TABLE OF CONTENTS

INTRODUCTION

Inch and Metric Seal Index ..... **ii - xxxi**
Repair Accessories ..... **xxxii - xxxiii**
Kits and Tools ..... **xxxiv - xxxv**
Typical Sealing Components ..... **xxxvi**

INCH SEALS

Index **1**
O-Ring Size Chart ..... **332 - 335**
Metric/Inch Conversion Table **438**

METRIC SEALS

Index **439**
O-Ring Size Chart for Metric Seals ..... **696 - 697**

REPAIR ACCESSORIES

Index **737**
Repair Accessories ..... **738 - 758**

ASSORTMENT KITS AND TOOLS

Index **759**
Assortment Kits ..... **760 - 776**
Tools ..... **776 - 790**

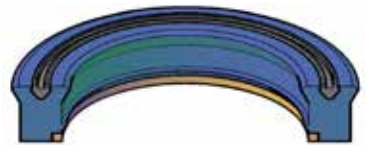
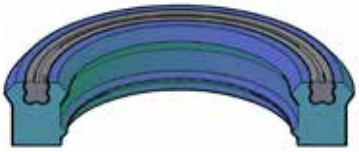
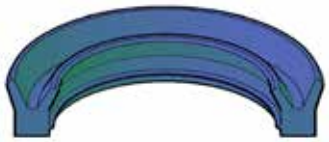
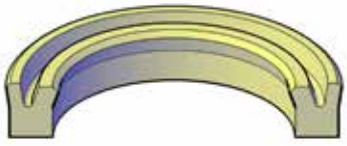
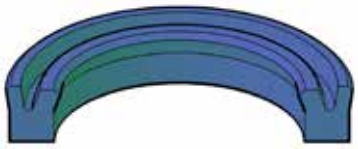
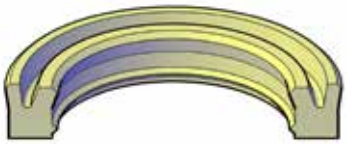
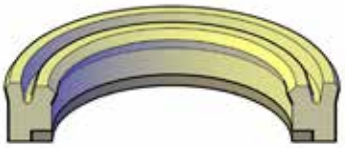
APPENDIX

Index **791**
Technical Information ..... **792 - 814**

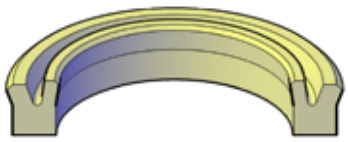
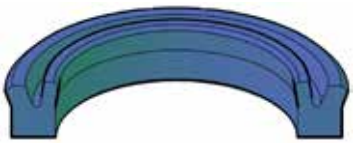
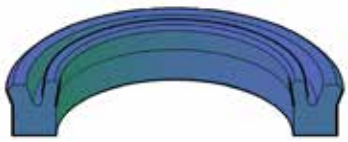
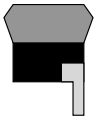
COPYRIGHT © 2018. All Rights Reserved.

SEAL PROFILE INDEX

INCH SEALS

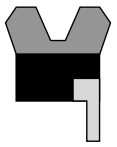
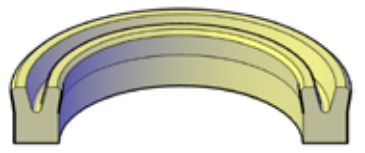
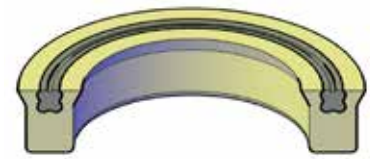
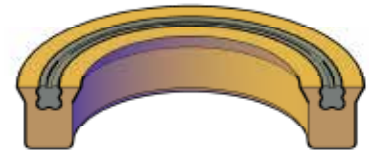
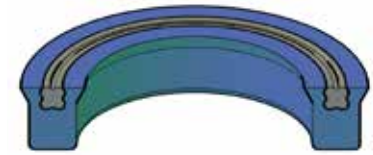
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
ROD U-SEALS	**RTUB** Super-Duty Rod U-Seals			Urethane Seal, Rubber Energizer, Polyacetal Ring	-50° - +230° F	0 - 6,000 PSI	3 FT/SEC	**2 - 4**
	RTUL Quad Ring Loaded Rod U-Seals			Urethane Seal, Rubber Energizer	-40° - +225° F	0 - 5,000 PSI	3 FT/SEC	**5**
	RTU Asymmetric Twin Lip Rod U-Seals			Urethane	-40° - +225° F	0 - 5,000 PSI	3 FT/SEC	**6 - 11**
	RU9 Urethane Rod U-Seals			Urethane	-31° - +270° F	0 - 5,800 PSI	1.65 FT/ SEC	**12 - 13**
	RU Urethane Rod U-Seals			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/SEC	**14 - 15**
	DRU Heavy Duty Rod U-Seals			Urethane	-65° - +230° F	0 - 6,000 PSI	3 FT/SEC	**16 - 19**
	DRU-BHT Heavy Duty Rod U-Seals			Urethane	-31° - +250° F	0 - 7,250 PSI	1.5 FT/ SEC	**20 - 21**
	DRTU Heavy Duty Rod U-Seals			Urethane	-65° - +230° F	0 - 6,000 PSI	3 FT/SEC	**22 - 24**
	DRTU-BHT Heavy Duty Rod U-Seals			Urethane	-31° - +250° F	0 - 7,250 PSI	1.5 FT/ SEC	**25 - 27**
	DRUB Heavy Duty Rod U-Seals w/Back-Up Rings			Urethane Seal, Nylon Back-Up	-40° - +230° F	0 - 6,000 PSI	3 FT/SEC	**28**

INCH SEALS

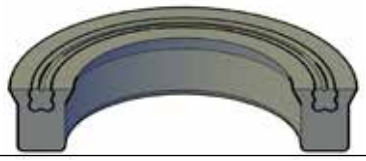
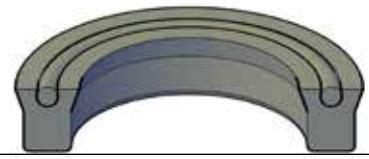
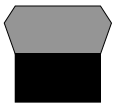
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
ROD U-SEALS	**UFN-EI** Rod Seals w/Back-Up Rings			Nitrile Seal, Fabric Reinforced Base, Acetal Back-Up	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**29 - 30**
	UFN-BR Rod Seals w/Headers			Rubber, Fabric, Polyester Elastomer	-22° - +212° F	1.64 FPS / 3600 PSI 0.49 FPS / 5800 PSI	1.5 FT/ SEC	**31**
	UFN-EI-SAG Rod Seals w/Back-up Rings			Rubber, Fabric, Acetal	-22° - +212° F	1.64 FPS / 3600 PSI 0.49 FPS / 5800 PSI	1.5 FT/ SEC	**32**
	HMU Urethane U-Seals			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/SEC	**33 - 34**
	HMU Homogeneous U-Seals			Buna-N Rubber Fluorocarbon	BUNA-N: -40° - +250° F FC: -20° - +400° F	BUNA-N: 0 TO 1,000 PSI FC: 0-2,000 PSI	3 FT/SEC	**35 - 36**
	UKR Rod U-Seals			Urethane	-40° - +200° F	0 - 150 PSI	3 FT/SEC	**37 - 38**
PISTON U-SEALS	**DPU** Heavy Duty Piston U-Seals			Urethane	-65° - +230° F	0 - 6,000 PSI	3 FT/SEC	**39 - 43**
	DPU-BHT Heavy Duty Piston U-Seals			Urethane	-31° - +250° F	0 - 7,250 PSI	1.5 FT/ SEC	**44 - 45**
	PU Piston U-Seals			Urethane	-40° - +225° F	0 - 5,000 PSI	3 FT/SEC	**46 - 47**
	UFN-PWO Piston Seals			Rubber / Fabric Seal, Acetal Back-Up Bearing	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**48 - 49**

SEAL PROFILE INDEX

INCH SEALS

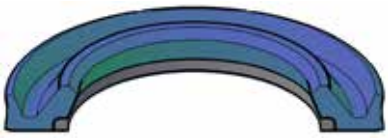
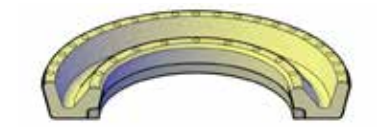
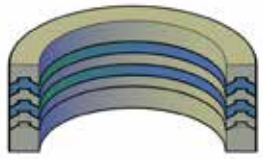
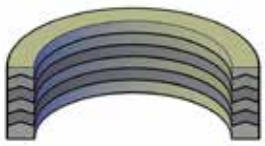
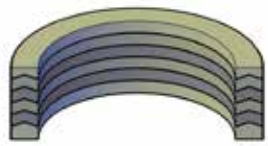
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON U-SEALS	**UFN-UEO** Piston U-Seals			Rubber / Fabric Seal, Acetal Back-Up Bearing	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**49 - 49**
	UFN-UWO Piston U-Seals			Rubber / Fabric Seal, Acetal Back-Up Bearing	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**48 - 49**
	UKP Piston U-Seals			Urethane	-40° - +200° F	0 TO 150 PSI	3 FT/ SEC	**50 - 51**
U-SEALS	**DSU** Heavy Duty Symmetrical U-Seals			Urethane	-40° - +230° F	0 - 4,000 PSI	3 FT/ SEC	**52 - 61**
	DSU-BHT Heavy Duty Symmetrical U-Seals			Urethane	-31° - +250° F	0 - 5,000 PSI	1.5 FT/ SEC	**62 - 63**
	HU Symmetrical Urethane U-Seals			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**64 - 69**
	UPU Premium U-Seals			Urethane	-65° - +265° F	0 - 5,000 PSI	3 FT/ SEC	**70 - 71**
	U U-Seals			Urethane Seal Rubber Expander	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**72 - 101**
	U-PM U-Seals			55D Hytrel Seal FKM Energizer	-65° - +275° F	0 - 5,000 PSI	3 FT/ SEC	**102 - 104**
	U-HT High-Temperature U-Seals			Urethane Seal Rubber Expander	-40° - +250° F	0 - 5,000 PSI	3 FT/ SEC	**105 - 106**

INCH SEALS

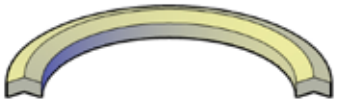
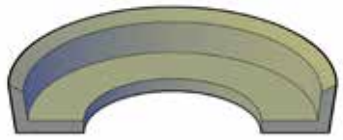
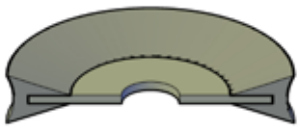
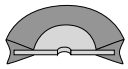
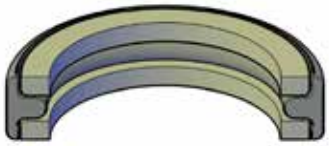
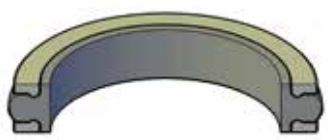
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
U-SEALS	**U-V** U-Seals			Fluorocarbon	-20° - +400° F	0 - 2,000 PSI	3 FT/ SEC	**107 - 112**
	U-Z Z-Seals			Urethane Base, Rubber Lip	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**113 - 118**
	P U-Seals			Urethane Seal, Rubber Expander	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**119 -133**
	P-V U-Seals			Fluorocarbon	-20° - +400° F	0 - 2,000 PSI	3 FT/ SEC	**134 - 135**
	855 PRC Rings			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**136 - 137**
	UFN-P Symmetrical Plain Seals			Nitrile Seal, Fabric Reinforced Base	-22° - +212° F	0 - 2,900 PSI	1.5 FT/ SEC	**138 - 140**
	870 U-Seals			Buna-N Rubber	-40° - +240° F	0 - 500 PSI	3 FT/ SEC	**141 - 143**
	HRU Homoge-neous U-Seals			Buna-N Rubber Fluorocarbon	BUNA-N: -40° - +250° F FC: -20° - +400° F	BUNA-N: 0 - 1,250 PSI FC: 0-2,000 PSI	3 FT/ SEC	**144 - 148**
	HSU Homoge-neous U-Seals			Buna-N Rubber Fluorocarbon	BUNA-N: -40° TO +250° F FC: -20° TO +400° F	0 - 2,000 PSI	3 FT/ SEC	**149 - 151**
	DYR Rod Buffer Seals			Urethane U-Seal Buffer Polyacetal Back-Up	-40° - +230° F	0 - 8,000 PSI	3 FT/ SEC	**152 - 153**

SEAL PROFILE INDEX

INCH SEALS

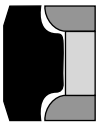
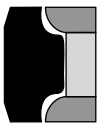
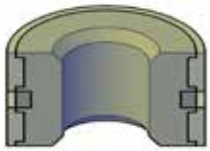
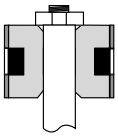
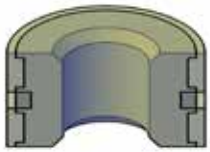
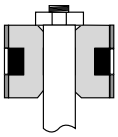
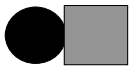
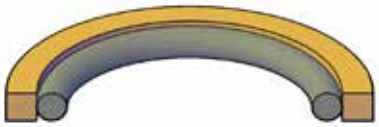
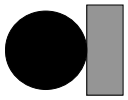
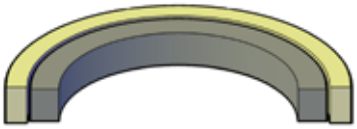
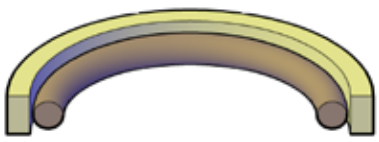
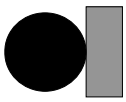
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
BUFFER SEALS	**DYR-BHT** Rod Buffer Seals			Urethane Seal Polyacetal Ring	-31° - +250° F	0 - 8,000 PSI	1.5 FT/ SEC	**154**
	KR Rod Buffer Seals			PTFE Buffer Rubber Expander	-40° - +225° F	0 - 5,000 PSI	12 FT/ SEC	**155 - 156**
	KR-V Rod Buffer Seals			Bronze PTFE Buffer, FKM Expander	-20° - +400° F	0 - 5,000 PSI	12 FT/ SEC	**157 - 158**
	RBS Rod Buffer Seals			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**159**
	CTC Caterpillar® Specific Buffers			DYR Style, Urethane or Bronze Filled PTFE Buffer Rubber Expander	-22° - +230° F -40° - +200° F -40° - +220° F	0 - 6,000 PSI 0 - 5,000 PSI	3 FT/ SEC 12 FT/ SEC	**160 - 162**
	BRS Rod Buffer Seals			Bronze PTFE Buffer Rubber Expander	-40° - +220° F	0 - 5,000 PSI	15 FT/ SEC	**163**
VEE PACKING	**HDLV** Hydrolocking Vee Packing Sets			Hytrel & Nylon	-40° - +220° F	0 - 6,000 PSI	1.5 FT/ SEC	**164 - 166**
	VS Vee Packing			Rubber & Urethane, Fluorocarbon Ring Nylon Adap-tor	-35° - +220° F	0 - 10,000 PSI	1.5 FT/ SEC	**167 - 171**
	CAS Cascade® Specific Vee Packing			Rubber & Urethane Ring Nylon Adap-tor	-35° - +220° F	0 - 10,000	1.5 FT/ SEC	**172**
	VR Individual Vee Rings & Adaptors			Fabric Reinforced Rubber, Urethane & Nylon Ring	-35° - +220° F	0 - 5,000 PSI	1.5 FT/ SEC	**173 - 175**

INCH SEALS

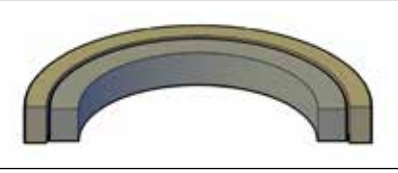
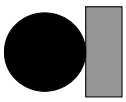
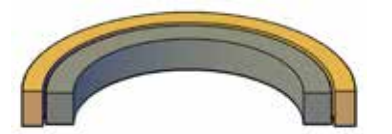
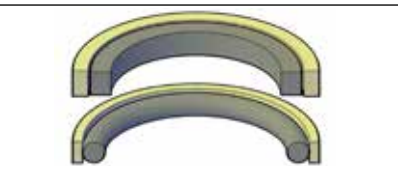
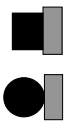
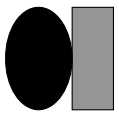
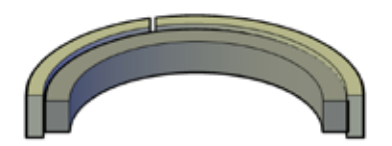
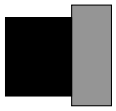
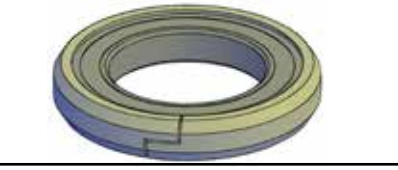
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
VEE PACKING	**935** Vee Rings			PTFE	-100° - +400° F	0 - 5,000 PSI	12 FT/ SEC	**176**
	835 Homoge-neous Rubber Vee Rings			70 Durom-eter Buna-N Rubber	-40° - +220° F	0 - 1,250 PSI	3 FT/ SEC	**177**
	WV Styles 850 - 855 WV Packing			Fabric Reinforced Rubber & Buna-N Rubber	-40° - +250° F	SEE CHART	1.5 FT/ SEC	**178 - 182**
PISTON CUPS	**6000** Piston Cups			Buna-N Rubber	-40° - +220° F	0 - 150 PSI	3 FT/ SEC	**182 - 184**
	8000 Piston Cups			Urethane	-65° - +220° F	0 - 1,200 PSI	3 FT/ SEC	**185**
	9000 Neo Fab Piston Cups			Fabric Reinforced Rubber	-35° - +220° F	0 - 2,500 PSI	1.5 FT/ SEC	**186 - 188**
	DAPC One Piece Double Acting Piston Cups			Rubber Lip, Zinc Coated Steel Plate	-40° - +220° F	0 - 800 PSI	3 FT/ SEC	**189**
T-SEALS	**TR** Rod T-Seals			Hard Plastic Back-Up Buna-N Rubber Seal	-35° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**190 - 191**
	TP Piston T-Seals			Hard Plastic Back-Up Buna-N Rubber Seal	-35° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**192 - 195**
	TP-L Locking Piston T-Seals			Hard Plastic Back-Up Buna-N Rubber Seal	-35° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**196 - 197**

SEAL PROFILE INDEX

INCH SEALS

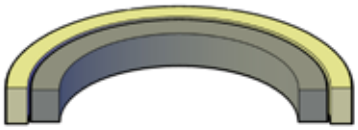
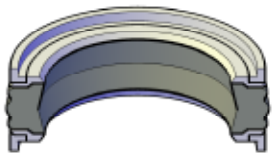
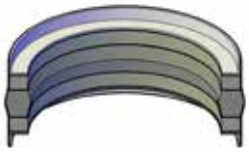
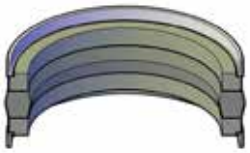
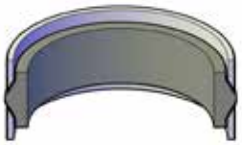
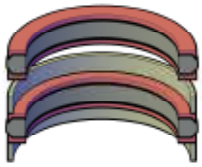
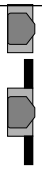
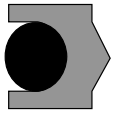
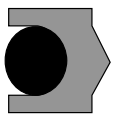
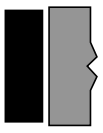
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
T-SEALS	**CPS** Capped Piston T-Seals			PTFE Cap Nylon Back-Up Rubber Expander	-40° - +220° F	0 - 6,000 psi	4.5 FT/ SEC	**198 - 200**
	CTC Piston T-Seals for Caterpillar			Buna-N Rubber Seal Hard Plastic Back-Up	-40° - +220° F	0 - 6,000 psi	-	**201**
UNITIZED PISTONS	**PA** Unitized Pistons			Steel Piston Glass Filled PTFE Seal Rubber Expander	-40° - +230° F	0 - 5,000 PSI	3 FT/ SEC	**202**
	BOBCAT Unitized Pistons			Steel, Nylon, NBR, PTFE	-40° - +230° F	0 - 5,000 PSI	3 FT/ SEC	**203**
PISTON SEAL ASSEMBLIES	**PS1400** Piston Seals			Glass Filled PTFE Piston Seal Rubber, Expander	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**204 - 206**
	PS1704 Piston Seals			Glass Filled Polyester Rubber Energizer	-40° - +230° F	0 - 5,000 PSI	3 FT/ SEC	**207 - 208**
	PS1500 Piston Seals			Urethane Seal Rubber, Expander	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**209 - 210**
	PS1600 Two Piece Piston Seals			Glass Filled PTFE Piston Seal Rubber, Expander	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**211 - 212**
	PS1800 Seals			Glass Filled PTFE Piston Seal Rubber, Expander	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**213 - 214**
	PS1800-V Seals			15% Glass Filled PTFE Piston Seal Rubber, Expander	-20° - +400° F	0 - 5,000 PSI	12 FT/ SEC	**215 - 216**

INCH SEALS

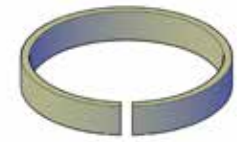
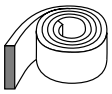
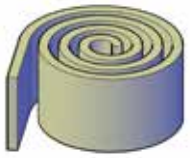
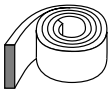
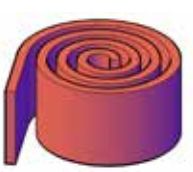
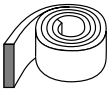
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**PS1850** Piston Seals			Bronze Filled PTFE Piston Seal Rubber, Expander	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**217 - 218**
	PS1850-V Piston Seals			15% Glass Filled PTFE Piston Seal, FKM Expander	-20° - +400° F	0 - 5,000 PSI	12 FT/ SEC	**219 - 220**
	PS1708 Piston Seals			Poly-Trel™ Thermoplastic Rubber Energizer	-40° - +230° F	0 - 5,000 PSI	3 FT/ SEC	**221**
	PS1900 Piston Seals			Glass Filled PTFE Seal, Rubber Energizer	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**222**
	PS2700 Piston Seals			55D Polyester Piston Seal, Rubber Expander	-40° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**223 - 224**
	PSQ Piston Seals			Bronze Filled PTFE, Piston Seal, Rubber Expander	-40° - +250° F	0 - 5,000 PSI	6 FT/ SEC	**225 - 226**
	PS2470 Piston Seals			Bronze Filled PTFE, Piston Seal, Rubber Expander	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**227**
	PS914 Step Cut Piston Seals			Glass Filled Nylon Piston Seal, Rubber Expander	-40° - +220°	0 - 6,000 PSI	3 FT/ SEC	**228 - 229**
	PS2000 Step Cut Piston Seals			Glass Filled Nylon Piston Seal, Rubber Expander	-40° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**230 - 231**
	PS3300 Step Cut Piston Seals			Glass Filled Nylon Piston Seal, Rubber Expander	-22° - +212° F	0 - 8,700 PSI	3 FT/ SEC	**232**

SEAL PROFILE INDEX

INCH SEALS

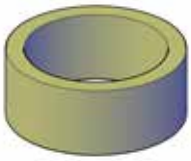
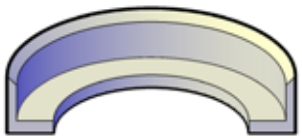
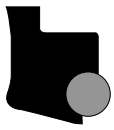
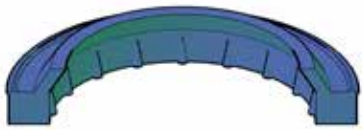
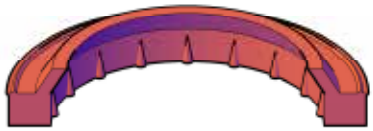
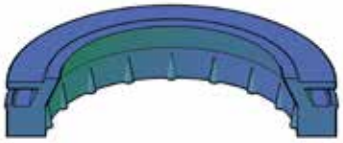
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**CTC** Caterpillar® Two Piece Piston Seals			Glass Filled Nylon or Glass Filled PTFE Piston Seal Rubber Expander	-40° - +220° F -40° - +220° F		3 FT/ SEC 12 FT/ SEC	**233 - 234**
	PSA Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti-Extrusion Ring	-22° - +212° F	0 - 6,000 PSI	1.5 FT/ SEC	**235 - 236**
	PSA-58 Three Piece Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti-Extrusion Ring	-22° - +212° F	0 - 5,000 PSI	1.5 FT/ SEC	**237 - 238**
	PSA-59 Three Piece Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti-Extrusion Ring	-22° - +212° F	0 - 5,000 PSI	1.5 FT/ SEC	**239 - 240**
	PSA-65 Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti-Extrusion Ring	-22° - +212° F	0 - 3,000 PSI	1.5 FT/ SEC	**241**
	PSA-83 **PSA-83-W** Piston Seals			Nitrile Piston Seal Polyacetal Anti-Extrusion Ring & Bearings	-22° - +212° F	0 - 6,000 PSI	1.5 FT/ SEC	**242**
	PSF Piston Seals			Rubber Seal PTFE Back-Up Polyacetal Anti-Extrusion Ring	-22° - +212° F	0 - 3,000 PSI	3 FT/ SEC	**243**
	PSC Piston Seals			Urethane Seal Rubber Energizer	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**244 - 246**
	PSC-F Piston Seals			55D Fluorotrel Seal, Nitrile Energizer	-40° - +235° F	0 - 5,000 PSI	3 FT/ SEC	**247**
	PSM Two Piece Piston Seals			Urethane Seal Rubber Energizer	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**248 - 249**

INCH SEALS

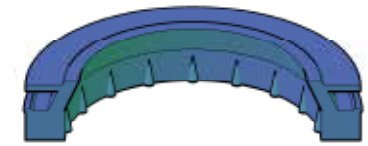
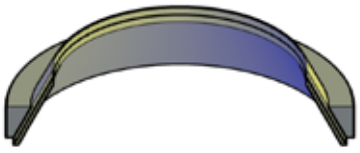
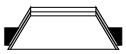
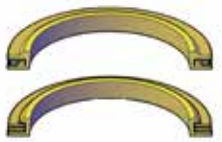
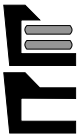
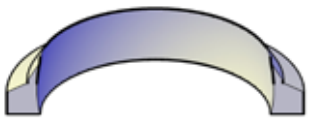
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**PSM-DPAC** Two Piece Piston Seals			Urethane Seal NBR Energizer	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**250 - 251**
	PSU Piston Seals			Urethane	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**252 - 253**
PISTON RINGS	**SPR** Iron Piston Rings			Iron	-	-		**254 - 260**
WEAR RINGS	**606-625** Wear Rings			Nylon	-40° - +275° F	-		**261 - 268**
	PB Powerbands			Nylon, Glass Fiber and PTFE Blend	-40° - +275° F	-		**269 - 271**
	614 Rod Bearings			Nylon	-40° - +275° F	-		**272 - 273**
	615 Rod Bearings			Phenolic	-67° - +248° F	-	3 FT/ SEC	**273**
	606T 612T Flexible Guide Bearings			PTFE	-50° - +400° F	-	12 FT/ SEC	**274**
	612F Flexible Guide Bearings			Fabric Reinforced Polyester	-40° - +250° F	-	3 FT/ SEC	**275**
	606F 612F Flexible Guide Bearings - Boxed			Fabric Reinforced Polyester	-40° - +250° F	-	3 FT/ SEC	**275**

SEAL PROFILE INDEX

INCH SEALS

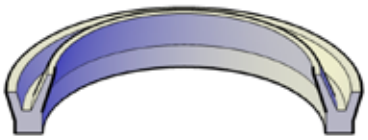
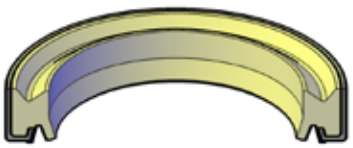
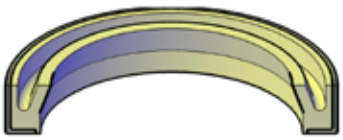
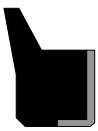
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WEAR RINGS	**660** Rod Bearings			Bronze	-	-	-	**276**
	FB Follower Bearings			Polyester	-65° - +220° F	-	3 FT/ SEC	**276**
	MB Modular Back-Up Bearings			70 Shore D Urethane	-40° - +230° F	-	3 FT/ SEC	**277**
	DU Rod Bushings			Bronze Linning PTFE/Lead Overlay Steel Backing	-325° - +536° F	-	12 FT/ SEC	**278**
WIPER RINGS	**ST** Wiper RIngs			Urethane & Fluorocarbon	URE-THANE: -40° - +200° F FLUORO-CARBON: -20° - +400° F	-	3 FT/ SEC	**279 - 282**
	ST-SH Wiper RIngs w/ Slotted Heel			90A Urethane	-40° - +200° F	-	3 FT/ SEC	**283 - 284**
	STXE Wiper Rings			Urethane Rubber Expander	-40° - +200° F	-	3 FT/ SEC	**285**
	ST-XL Wiper Rings			Urethane	-40° - +230° F	-	3 FT/ SEC	**286 - 287**
	ST-XL-PM Wiper Rings			55D Polyester	-40° - +250° F	-	12 FT/ SEC	**288**
	ST-XLF Wiper Rings			Urethane	-50° - +230° F	-	12 FT/ SEC	**289**

INCH SEALS

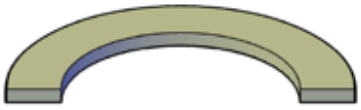
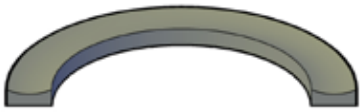
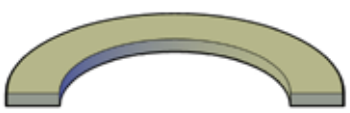
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WIPER RINGS	**ST-XLFT** Wiper Rings			Urethane	-50° - +230° F	-	12 FT/ SEC	**290**
	ST-E Wiper Rings			Urethane	-31° - +212° F	-	3 FT/ SEC	**291**
	SG Seal Guard Metallic Rod Wipers			Bronze Rubber Expander	-40° - +240° F	-	-	**292**
	AN Wiper Rings			Urethane	-40° - +200° F	-	3 FT/ SEC	**293 - 297**
	AN-M2 Wiper Rings			Brass	-30° - +300° F	-	-	**298**
	HW Wiper Rings			Urethane, Buna-N & Fluorocarbon	-40° - +200° F N: -40° - +225° F V: -20° - +350° F HT: -40° - +225° F	-	3 FT/ SEC	**299 - 302**
	BT Wiper Rings			Urethane	-40° - +200° F	-	3 FT/ SEC	**303 - 304**
	KW Wiper Rings			Urethane	-40° - +200° F	-	3 FT/ SEC	**306 - 307**
	SWNC Wiper Rings			Buna-N	-22° - +212° F	-	3 FT/ SEC	**308 - 309**
	CAS Wipers			Urethane	-65° - +220° F	-	3 FT/ SEC	**309**

SEAL PROFILE INDEX

INCH SEALS

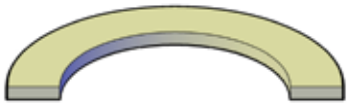
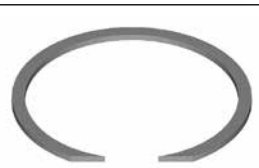
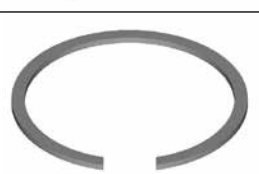
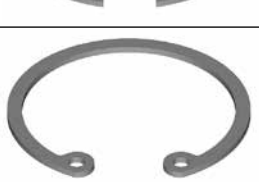
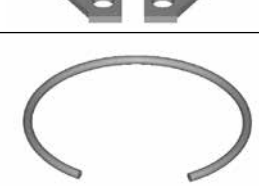
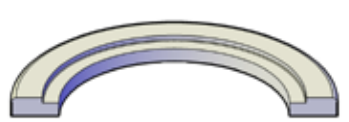
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WIPER RINGS	**SWSN** Wipers			Buna-N	-22° - +212° F	-	3 FT/ SEC	**310 - 311**
	SWNB Wiper Rings			Buna-N	-22° - +212° F	-	3 FT/ SEC	**312**
	CSW Snap-In Wipers			Nylon	-40° - +212° F	-	3 FT/ SEC	**313**
	MCKU Metal Clad Wiper Rings			Urethane Lip Steel Case	-31° - +212° F	-	3 FT/ SEC	**314**
	MCHD Metal Clad Wiper Rings			Urethane Lip Steel Case	-65° - +230° F	-	3 FT/ SEC	**315 - 316**
	MCU-D Heavy Duty Metal Clad Wiper Rings			Urethane Lip Steel Case	-65° - +230° F	-	3 FT/ SEC	**317 - 320**
	MCN Metal Clad Wiper Rings			Nitrile Lip Steel Case	-40° - +240° F	-	3 FT/ SEC	**321 - 322**
	CWN Metal Clad Wiper Rings			Nitrile Lip Steel Case	-22° - +212° F	-	3 FT/ SEC	**323**
OIL SEALS	**OS** Oil Seals			Rubber Lip Steel Case	-40° - +240° F	-	3 FT/ SEC	**324 - 330**
O-RINGS	**568** O-Rings			Buna-N Rubber, Fluorocarbon, Silicone, Ethylene Propylene, PTFE, Urethane	-40° - +240° F	VARIES ACCORDING TO DIAMETRAL CLEARANCE	-	**336 - 378**

INCH SEALS

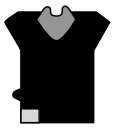
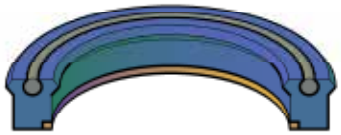
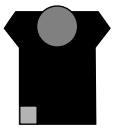
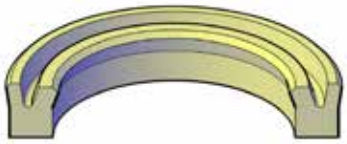
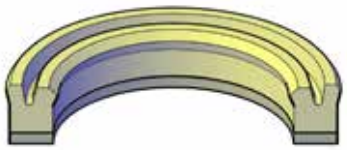
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
O-RINGS	**580** O-rings			Buna-N Rubber	-40° - +240° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	3 FT/ SEC	**379 - 383**
	QR Quad Rings			Buna-N Rubber	-40° - +240° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	3 FT/ SEC	**384 - 388**
	SFS Split Flange Seals			Urethane	-40° - +200° F	0 - 3,000 PSI	3 FT/ SEC	**389**
	PFS Split Flange Seals			Urethane	-40° - +212° F	0 - 7,200 PSI	-	**390**
	HS568 Head Seals			Urethane	-40° - +212° F	0 - 10,000 PSI	-	**391 - 392**
	VMG Fiber Gaskets			Fiber	MAX 250°F	-	-	**393**
FIBER GASKETS	**573** Back-Up Rings			Hytrel	-65° - +275° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	-	**394 - 398**
BACK-UP RINGS	**574** "Parback®" Back-Up Rings			90A Buna-N Rubber	-40° - +240° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	-	**399 - 405**
	575 Style 575 Back-Up Rings			Urethane PTFE	Urethane -65° - +220° F PTFE: -100° - +500° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	-	**406 - 418**
	576 Split Nylon Back-Up Rings			Nylon	-40° - +250° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	-	**419**

SEAL PROFILE INDEX

INCH SEALS

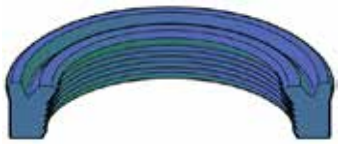
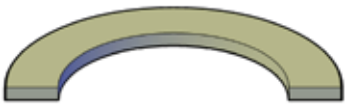
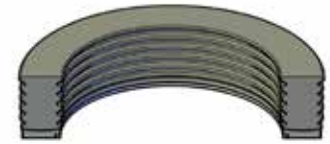
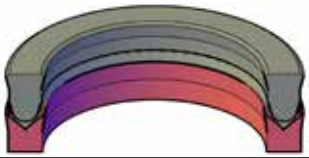
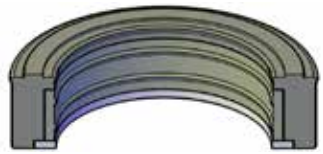
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
BACK-UP RINGS	**590** High Performance Back-Up Rings			High Performance Urethane	-40° - +275° F	VARIES ACCORD-ING TO DIAM-ETRAL CLEAR-ANCE	-	**420**
	595 U-Seal Back-Up Rings			PTFE	-100° - +500° F	VARIES ACCORD-ING - DIAM-ETRAL CLEAR-ANCE	-	**421**
RETAINER RINGS	**VH, WH, WHM, WHT** Spiral Internal Retainer Rings			Steel	-	-	-	**422 - 425**
	VS, WS, WST, WSM Spiral External Retainer Rings			Steel	-	-	-	**426 - 428**
	NAN Ea-n NAN Series Internal Retainer Rings			Steel	-	-	-	**429**
	XAN Ea-n XAN Series External Retainer Rings			Steel	-	-	-	**430**
	300 Retainer Rings			Steel	-	-	-	**431 - 433**
	310 Retainer Rings			Steel	-	-	-	**434 - 435**
	RSR Style RSR Retainer Rings			Steel	-	-	-	**436**
	SR U-Seal Retainer Rings			Acetal	-22° - +212° F	-		**437**

METRIC SEALS

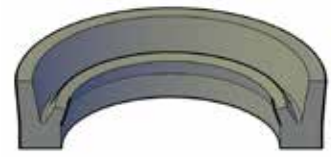
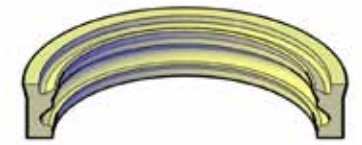
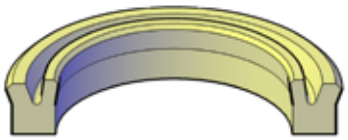
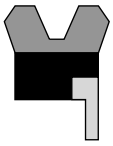
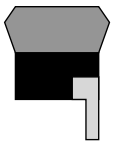
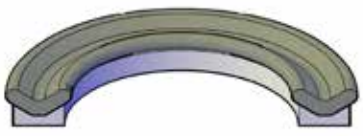
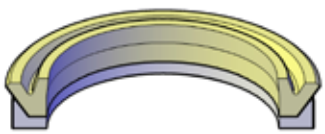
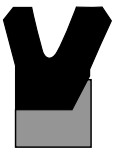
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
ROD U-SEALS	**MRTUB** Super-Duty Rod U-Seals			Urethane U-Seal Nitrile Expander Polyacetal Back-Up	-50° - +230° F	0 - 6,000 PSI	3 FT/ SEC	**440 - 442**
	MRUBL Super-Duty Rod U-Seals			Urethane U-Seal Rubber Energizer Polyacetal Back-Up	-50° - +230° F -32° - +140° F (HFA)	0 - 6,000 PSI	3 FT/ SEC	**443 - 444**
	MRT320			94A Urethane	-34° - +255° F	3,770 PSI 4,640 PSI 5,800 PSI 7,250 PSI	3 FT/ SEC	**445 - 446**
	MRTU Rod U-Seals			Urethane	-40° - +225° F	0 - 5,000 PSI	3 FT/ SEC	**447 - 454**
	MRU Rod U-Seals			Urethane	-65° - +230° F	0 - 5,000 PSI	3 FT/ SEC	**455 - 463**
	MRU-KYB Rod U-Seals			Urethane	-65° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**464 - 465**
	MRUB Rod U-Seals w/Back-Up Rings			Urethane U-Seal Nylon Back-Up	-40° - +230° F	0 - 5,500 PSI	3 FT/ SEC	**466 - 467**
	MRTS Rod U-Seals			Urethane	-22° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**468 - 471**
	MUTS Rod U-Seals			Urethane	-22° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**468 - 471**
	MRTSB Rod U-Seals			Urethane, Nylon Back-Up	-22° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**468 - 471**

SEAL PROFILE INDEX

METRIC SEALS

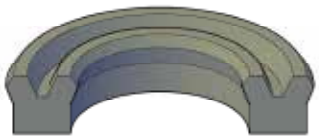
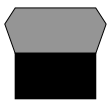
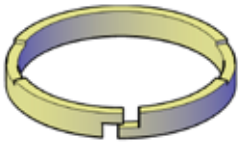
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
ROD U-SEALS	**MRU-LF** Rod U-Seals			Urethane	-22° - +230° F	0 - 4,600 PSI	2 FT/ SEC	**472**
	MHMU Rod U-Seals			Urethane	-50 - +230° F	0 - 5,000 PSI	3 FT/ SEC	**473**
	MRUN Rod U-Seals			Nitrile	-8° F - +212° F	0 - 2,000 psi W/O BACK-UP 0 - 3,000 psi W/ BACK-UP	3 FT/ SEC	**474 - 477**
ROD U-SEALS BACK-UP RINGS	**MRUNB** Rod U-Seals w/Back-up Rings			Nitrile Seal Bronze-Filled PTFE Back-Up	-8° F - +212° F	0 - 3,000 PSI	3 FT/ SEC	**478 - 479**
	MBN Rod U-Seal Back-Up Rings			Nylon	-67° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**480 - 481**
	MBT Back-Up Rings			PTFE	-100° - +500° F	0 - 5,000 PSI	3 FT/ SEC	**482 - 484**
	MSMR Rod Seal w/Back-Up Rings			Rubber Seal Cot-n Impreg. Rubber Header Acetal Anti-Extrusion Ring	-22° - +212° F	0 - 10,000 PSI	3 FT/ SEC	**485 - 486**
	MUFN-EI Rod Seal w/Back-Up Rings			Nitrile Seal Fabric Reinforced Base Acetal Back-Up	-22° - +212° F	0 - 6,000 PSI	1.5 FT/ SEC	**487 - 490**
ROD SEALS	**MUFN-BR** Rod Seal w/Headers			Rubber, Fabric, Polyester Elastomer	-22° - +212° F	1.64 FPS / 3600 PSI 0.49 FPS / 5800 PSI	1.5 FT/ SEC	**491**
	MPDS Rod Seal			NBR/NEO-FAB Seal Acetal Anti-Extrusion Ring	-22° - +230° F	0 - 3,600 PSI	1.5 FT/ SEC	**492**

METRIC SEALS

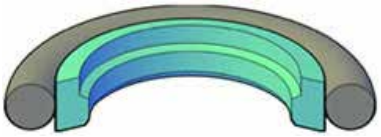
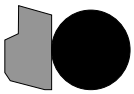
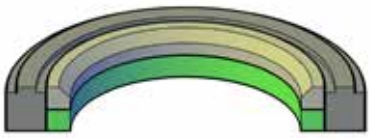
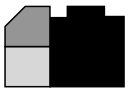
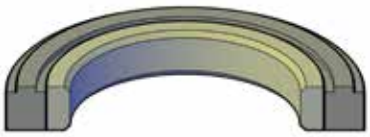
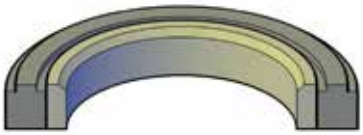
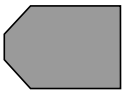
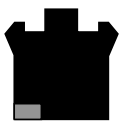
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
ROD SEALS	**MUKRN** Pneumatic Rod Seals			80A NBR	-31° - +212° F	0 - 1,160 PSI	1.5 FT/ SEC	**493 - 495**
	PU-TDI Hunger® Hydraulic Rod Seals			Urethane BRZ-PTFE	-31° - +212° F	0 - 6,500 PSI	3 FT/ SEC	**496 - 497**
	PU-TDT Hunger® Rod Seals			Urethane	-22° - +212° F	0 - 1,500 PSI	3 FT/ SEC	**497**
PISTON U-SEALS	**MPU** Piston Seals			Urethane	-22° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**498 - 500**
	MUFN-UWO Piston Seals			Rubber / Fabric Seal Acetal Back-Up Bearings	-22° - +220° F	0 - 6,000 PSI	1.5 FT/ SEC	**501**
	MUFN-PWO Piston Seals			Rubber / Fabric Seal Acetal Back-Up Bearings	-22° - +220° F	0 - 6,000 PSI	1.5 FT/ SEC	**502**
	MHP26 U-Type Two Piece Piston Seals			Nitrile Seal Nylon Back-Up	-20° - +220° F	0 - 3,000 PSI	3 FT/ SEC	**503 - 504**
	MHP27 U-Type Piston Seals			Rubber Piston Seal Acetal Back-Up	-20° - +220° F	0 - 4,000 PSI	3 FT/ SEC	**504**
	MHP28 U-Type Piston Seals			Rubber Piston Seal Nylon Back-Up	-20° - +220° F	0 - 3,000 PSI	3 FT/ SEC	**505**
	MHP29 U-Type Piston Seals			Urethane Piston Seal Nylon Back-Up	-40° - +200° F	0 - 3,000 PSI	3 FT/ SEC	**505**

SEAL PROFILE INDEX

METRIC SEALS

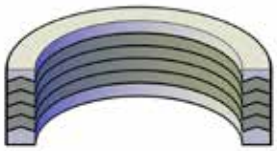
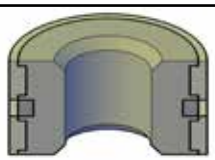
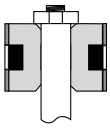
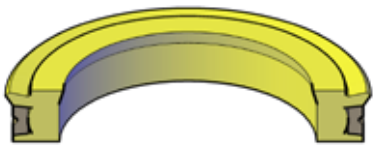
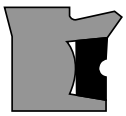
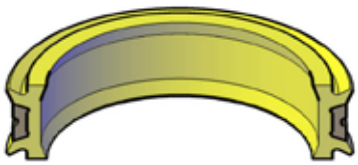
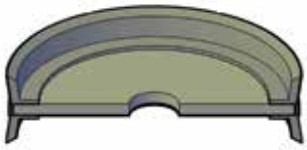
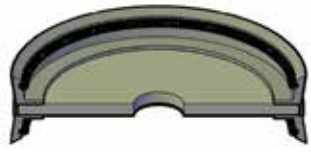
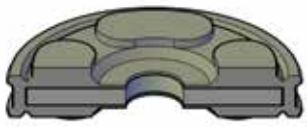
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
U-SEALS	**MUKPN** Pneumatic Piston Seal			80A NBR	-22° - +212° F	0 - 1,160 PSI	3 FT/ SEC	**506 - 508**
	MUU Symmetrical U-Seals			Urethane	-22° - +212° F	0 - 5,000 PSI	3 FT/ SEC	**509 - 520**
	MUUL Loaded Symmetrical U-Seals			Urethane U-Seal Rubber Expander	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**521 - 528**
	MUSN Symmetrical U-Seals			90 Durometer Nitrile	-13° - +212° F	0 - 2,000 PSI	3 FT/ SEC	**529 - 532**
	MUFN-U Symmetrical U-Seals			Nitrile U-Seal Fabric Reinforced Base	-22° - +212° F	0 - 2,900 PSI	1.5 FT/ SEC	**533**
CUSHION SEALS	**MUFN-P** Symmetrical Seals			Nitrile Seal Fabric Reinforced Base	-22° - +212° F	0 - 2,900 PSI	1.5 FT/ SEC	**534 - 536**
	MRT Cushion Seals			Filled Nylon or Reinforced Phenolic	Nylon -67° - +212° F Phenolic -67° - +248° F	0 - 5,000 PSI	-	**537 - 539**
BUFFER SEALS	**MCK53** Cushion Seals			Urethane	-22° - +176° F	0 - 230 PSI	1.5 FT/ SEC	**540 - 541**
	MYR Buffer Seals			Urethane Buffer Nylon Back-Up	-30° - +220° F	0 - 7,000 PSI	3 FT/ SEC	**542 - 543**
	MYR-HT Buffer Seals			Urethane Buffer Nylon Back-Up	-67° - +248° F	0 - 7,250 PSI	3 FT/ SEC	**544 - 545**

METRIC SEALS

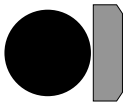
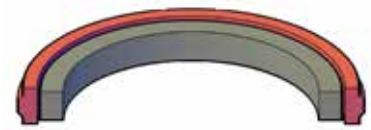
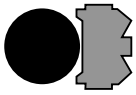
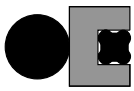
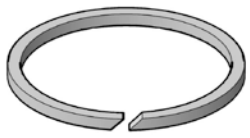
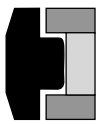
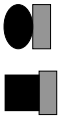
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
BUFFER SEALS	**MYR-KYB** Buffer Seals			Urethane	-67° - +212° F	0 - 7,000 PSI	3.3 FT/ SEC	**546**
	MKR Buffer Seals			Filled PTFE Buffer Rubber Energizer	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**547 - 549**
	MKR-U Buffer Seals			Urethane Buffer Rubber Energizer	-49° - +212° F	0 - 5,000 PSI	1.6 FT/ SEC	**550 - 551**
	MKR-V Buffer Seals			Filled PTFE Buffer FKM Energizer	-20° - +400° F	0 - 5,000 PSI	12 FT/ SEC	**552 - 553**
	MNBR Buffer Seals			Nylon / PTFE Buffer Rubber Energizer	-40° TP +220° F	0 - 5,000 PSI	3 FT/ SEC	**554**
	MSBR Buffer Seals			Nylon Buffer Rubber Energizer	-40° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**555**
	MYBR Buffer Seals			Filled PTFE Buffer Rubber Energizer	-40° - +220° F	0 - 5,000 PSI	12 FT/ SEC	**556 - 557**
	MIR Buffer Seals			Urethane Buffer	-40° - +200° F	0 - 5,000 PSI	3 FT/ SEC	**557**
	MBRW Buffer Seals			93A Urethane	-30° - +230° F	0 - 7,200 PSI	1.5 FT/ SEC	**558**
SWIVEL SEALS	**MUSW** Swivel Seals			Urethane	-50° - +220° F	0 - 5,000 PSI	3 FT/ SEC	**559**

SEAL PROFILE INDEX

METRIC SEALS

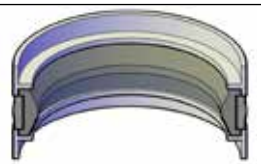
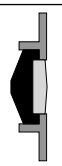
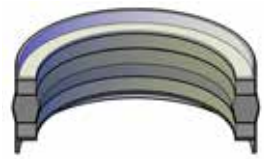
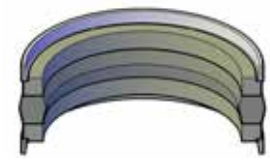
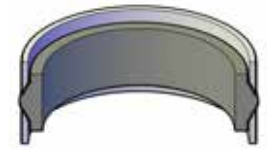
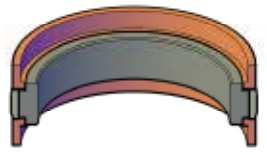
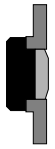
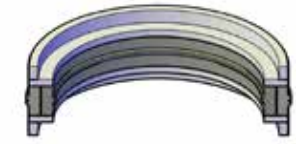
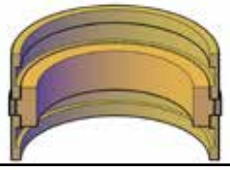
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
VEE PACKING	**MVS** Vee Packing			Rubber & Urethane Rings Nylon Adaptors	-35° - +220° F	0 - 5,000 PSI	1.5 FT/ SEC	**560 - 561**
UNITIZED PISTONS	**JD / NH** John Deere® / New Holland Unitized Pistons			Steel, Nylon, NBR, PTFE	-40° - +275° F	0 - 5,000 PSI	3 FT/ SEC	**562 - 563**
PISTON SEAL ASSEMBLIES	**MPK54** Pneumatic DA Piston Seal			70A NBR	-20° F, +220° F	0 - 175 PSI	3 FT/ SEC	**564**
	MPK62 Pneumatic DA Piston Seal			70A NBR	-20° - +220° F	0 - 175 PSI	3 FT/ SEC	**565**
	MAPA Pneumatic DA Piston Seal			80 NBR	-30° - +248° F	0 - 142 PSI	3 FT/ SEC	**566**
	PU-TDA Hunger® Hydraulic Piston Seal			Urethane BRZ-PTFE	-31° - +212° F	0 - 6,500 PSI	3 FT/ SEC	**566**
	PU-TDMA Hunger® Hydraulic Piston Seal			BRZ-PTFE Urethane	-31° - +212° F	0 - 3,600 PSI	3 FT/ SEC	**566**
	MDPC Pneumatic DA Piston Seal			75A Nitrile	-22° - +220° F	0 - 230 PSI	3 FT/ SEC	**567**
	MDPCS Hydraulic DA Piston Seal			90A Nitrile	-22° - +220° F	175 - 870 PSI	3 FT/ SEC	**568 - 569**
	MDPC-57			70A NBR	-22° - +220° F	0 - 175 PSI	3 FT/ SEC	**569**

METRIC SEALS

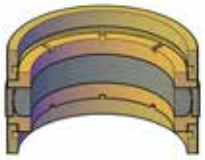
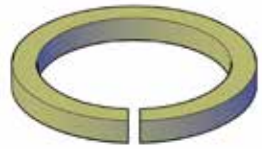
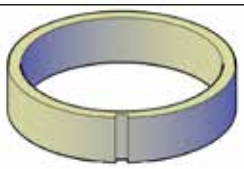
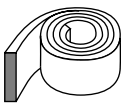
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**MPS** Two Piece Piston Seals			PTFE Piston Seal Rubber Energizer	-40° - +230° F	0 - 5,000 PSI	12 FT/ SEC	**570 - 574**
	MPSU Two Piece Piston Seals			55D Polyester Piston Seal Rubber Expander	-40 - +230° F	0 - 5,000 PSI	3 FT/ SEC	**575 - 576**
	MPSU 300 Two Piece Piston Seals			94A Urethane Seal 70/80A Nitrile Energizer	-22° - +212° F	0 - 5,800 PSI	1.5 FT/ SEC	**577 - 578**
	MKPD Two Piece Piston Seals			97A Urethane Seal 70A Nitrile Expander	-22° - +210° F	0 - 5,800 PSI	1.5 FT/ SEC	**579 - 580**
	MPS 2000 Step Cut Piston Seals			Nylon Seal with Nitrile Energizer	-22° F - +230° F	0 - 7250 PSI	3 FT/ SEC	**581 - 582**
	MPSQ Piston Seals			40% Bronze filled PTFE, NBR Energizer, NBR Quad Ring	-40° F - +220° F	0 - 5000 PSI	6 FT/ SEC	**583 - 584**
	MPSQ5 Four Piece Piston Seals			Bronze filled PTFE NBR Energizers NBR Quad-Ring®	-22° - +212° F	0 - 8,700 PSI	-	**585**
	MBNP Piston Seal Anti-Extrusion Rings			Nylon Back-Up Ring	-65° - +220° F	0 - 5,000 PSI	-	**586**
	MCPS Four Piece Piston Seals			PTFE Cap Nylon Back-Up Rubber Expander	-40° - +220° F	0 - 6,000 psi	4.5 FT/ SEC	**587 - 589**
	CTC Caterpillar® Specific Piston Seals			See Charts	See Charts	See Charts	-	**590 - 591**

SEAL PROFILE INDEX

METRIC SEALS

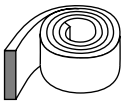
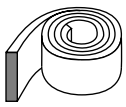
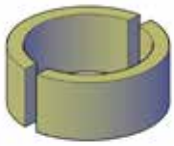
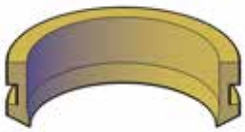
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**MPSA** Five Piece Piston Seals			Nitrile Piston Seal Polyacetal Anti- Extrusion Ring	-22° - +212° F	0 - 6,000 PSI	1.5 FT/ SEC	**592 - 596**
	MPSB Three Piece Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti- Extrusion Ring	-22° - +212° F	0 - 5,000 PSI	1.5 FT/ SEC	**597**
	MPSA-58 Three Piece Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti- Extrusion Ring	-22° - +212° F	0 - 5,000 PSI	1.5 FT/ SEC	**598 - 599**
	MPSA-59 Three Piece Piston Seals			Fabric Reinforced Piston Seal Polyacetal Anti- Extrusion Ring	-22° - +212° F`	0 - 5,000 PSI	1.5 FT/ SEC	**600 - 601**
	MPSA-65 Three Piece Piston Seals			Nitrile Piston Seal Acetal Bearings	-22° - +212° F	0 - 3,000 PSI	1.5 FT/ SEC	**602**
	MPSA-750 Three Piece Piston Seals			TPE Cap Nitrile Energizer Polyacetal Anti-Extrusion Rings	-22° - +212° F -32° - +140° F (HFA)	0 - 7,500 PSI	1.0 FT/ SEC	**603**
	MPSA-PDE Five Piece Piston Seals			Nitrile Plastic POM	-22° - +230° F	0 - 8,700 PSI	1.5 FT/ SEC	**604**
	MTPS Four Piece Piston Seals			TPE Cap Nitrile Energizer Polyacetal Anti-Extrusion Rings	-40° - +230° F -32° - +140° F (HFA)	0 - 10,000 PSI (DYNAMIC) 0 - 17,400 PSI (STATIC)	1 FT/ SEC	**605 - 606**
	MNCF Five Piece Piston Seals			Rubber / Fabric Piston Seal PTFE Back-Up Rings Nylon Bearings	-22° - +190° F	0 - 5,000 PSI	1.5 FT/ SEC	**607**
	PS-GKD Hunger® Five Piece Piston Seals			Urethane Plastic POM	-22° - +248° F	0 - 8,700 PSI	3 FT/ SEC	**608 - 609**

METRIC SEALS

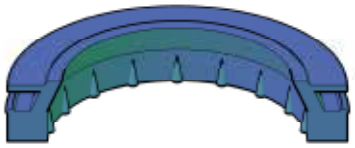
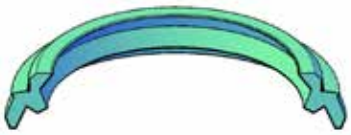
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
PISTON SEAL ASSEMBLIES	**PS-GD1000K** Hunger® Multi-Piece Piston Seals			BRZ-PTFE Urethane Filled POM	-22° - +248° F	-	3 FT/ SEC	**610 - 611**
PISTON RINGS	**MSPR** Piston Rings			Cast Iron	-	-	-	**612**
	MBR Piston Rings			Bronze	-	-	3 FT/ SEC	**613**
WEAR RINGS	**MWR** Wear Rings			Nylon	-40° - +275° F	-	3 FT/ SEC	**614 - 616**
	MWRB Wear Rings			Phenolic	-40° - +250° F	-	3 FT/ SEC	**617 - 621**
	MWRPEG Wear Rings			Graphite Filled Fabric Reinforced Polyester	-320° - +260° F	-	-	**622**
	MWRT Wear Rings			Filled PTFE	-100° - +550° F	-	12 FT/ SEC	**623 - 624**
	MWRZ Wear Rings			Filled PTFE	-100° - +550° F	-	12 FT/ SEC	**623 - 624**
	MWRA Wear Rings			Acetal	-40° - +230° F	-	3 FT/ SEC	**625**
	MGF Flexible Guide Bearings			Fabric Reinforced Polyester	-30° - +265° F	-	3 FT/ SEC	**626**

SEAL PROFILE INDEX

METRIC SEALS

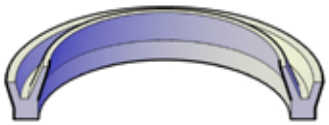
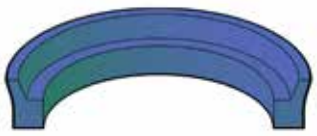
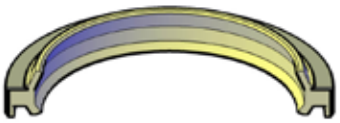
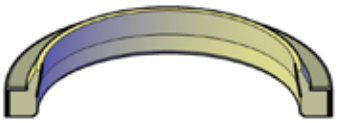
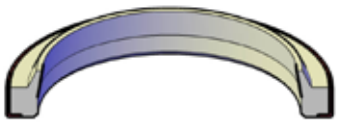
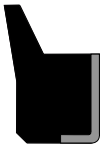
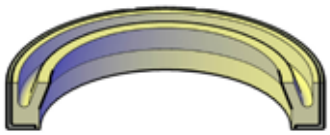
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WEAR RINGS	**MGF** Flexible Guide Bearings - Boxed			Fabric Reinforced Polyester	-30° - +265° F	-	3 FT/ SEC	**626**
	MGB Flexible Guide Bearings			Bronze Filled PTFE	-50° - +390° F	-	12 FT/ SEC	**627**
	MDU Rod Bushings			Bronze Lin-ing PTFE Lead Overlay Steel Back-ing	-325° - +536° F	-	12 FT/ SEC	**628 - 629**
	MRB Rod Bushings			Nylon	-40° - +250° F	-	3 FT/ SEC	**630**
	MWRA-L L-Shaped Rod Wear Rings			Acetal	-40° - +230° F	-	3 FT/ SEC	**631**
	MBB Piston Bushings			Bronze	-	-	3 FT/ SEC	**632**
	WRFAI Hunger® Wear Rings			POM-PTFE/ Bronze	-62° - +248° F	-	-	**633 - 634**
	WRFA Hunger® Wear Rings			POM-PTFE/ Bronze	-62° - +248° F	-	12 FT/ SEC	**635 - 636**
	WRFI Hunger® Wear Rings			POM-PTFE/ Bronze	-62° - +248° F	-	12 FT/ SEC	**637 - 638**
WIPER RINGS	**MSWP** Snap-In Wipers			Urethane	-30° - +220° F	-	3 FT/ SEC	**639 - 640**

METRIC SEALS

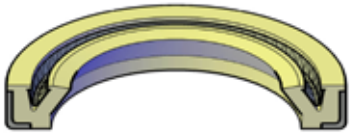
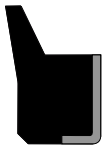
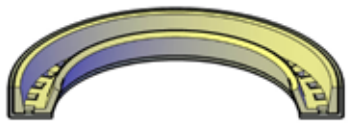
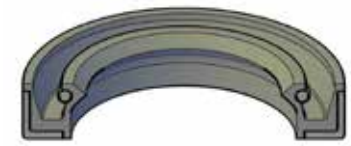
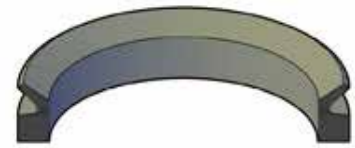
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WIPER RINGS	**MPRW** Wipers			94A Urethane	-34° - +255° F	-	1.6 FT/ SEC	**641**
	MK51 Rod Wiper / Seal			Urthane	-22° F, +200° F	230 PSI	3 FT/ SEC	**642**
	MW38 Snap-In Wipers			55D Polyester	-40° F, +250° F	-	12 FT/ SEC	**643 - 645**
	MSWE-XLF Snap-In Wipers			93A Urethane or 55D Urethane	-50° - +230° F -40° - +212° F	-	12 FT/ SEC	**646 - 647**
	MSWE Snap-In Wipers			Urethane	-30° - +200° F	-	3 FT/ SEC	**648 - 650**
	MSWH24 Wipers			Urethane	-31° - +230° F	0 - 725 PSI	1.5 FT/ SEC	**651**
	MSWH Snap-In Wipers			Urethane	-30° - +200° F	-	3 FT/ SEC	**652 - 654**
	MWSCK Snap-In Wipers			Nitrile	-49° - +212° F	-	3 FT/ SEC	**655 - 656**
	MSW Snap-In Wipers			Urethane	-30° - +200° F	-	3 FT/ SEC	**657 - 658**
	MSWS / MSWSN Snap-In Wipers			Urethane	-30° - +200° F	-	3 FT/ SEC	**659**

SEAL PROFILE INDEX

METRIC SEALS

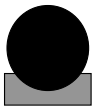
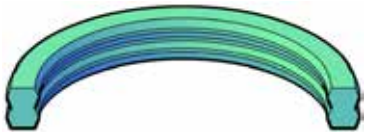
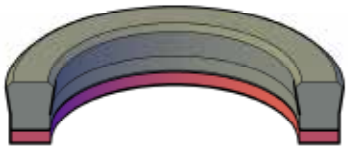
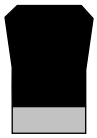
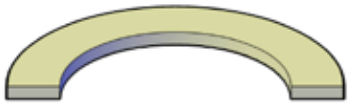
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WIPER RINGS	**MSWSHN** Snap-In Wipers			90A Nitrile	-22° - +230° F	-	3 FT/ SEC	**660 - 661**
	MSWN Snap-In Wipers			Nitrile	-22° - +212° F	-	3 FT/ SEC	**662 - 663**
	CSWM Snap-In Wipers			Nylon	-40° - +212° F	-	3 FT/ SEC	**664**
	MDK Snap-In Wipers			Nitrile	-22° - +212° F	-	3 FT/ SEC	**665**
	MDKP Snap-In Wipers			93A Urethane	-40° - +212° F	-	1.5 FT/ SEC	**666**
	MCKBI Metal Clad Wipers			Urethane Lip Steel Case	-30° - +200° F	-	3 FT/ SEC	**667 - 669**
	MCW Metal Clad Wipers			Urethane Lip Steel Case	-30° TO +200° F	-	3 FT/ SEC	**670 - 671**
	MCWE Snap-In Wipers			Urethane	-40° TO +200° F	-	3 FT/ SEC	**672 - 673**
	MCWI Metal Clad Wipers			Urethane Lip Steel Case	-30° TO +200° F	-	3 FT/ SEC	**674 - 676**
	MCWIN Metal Clad Wipers			Nitrile Lip Steel Case	-13° TO +212° F	-	3 FT/ SEC	**677**

METRIC SEALS

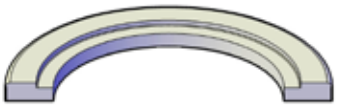
Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
WIPER RINGS	**MCWS** Metal Clad Wipers			Urethane Lip Steel Case SS Spring	-40° - +200° F	-	3 FT/ SEC	**678**
	MCKB Metal Clad Wipers			Nitrile LIp Steel Case	-20° - +250° F	-	3 FT/ SEC	**679 - 680**
	MCWN Metal Clad Wipers			Nitrile Lip Steel Case	-30° - +220° F	-	3 FT/ SEC	**681 - 683**
	MCWHD Metal Clad Wipers			Urethane Lip Steel Case	-65° - +230° F	-	3 FT/ SEC	**684**
DUST SEALS	**MDS** Link Pin Dust Seals			Nitrile Lip Steel Case	-40° - +220° F	-	3 FT/ SEC	**685**
	MDSU Link Pin Dust Seals			Urethane Lip Steel Case	-30° - +200° F	-	3 FT/ SEC	**686**
	MCWA Metal Clad Dust Seals			Urethane Lip Steel Case	-30° - +200° F	-	3 FT/ SEC	**687 - 689**
OIL SEALS	**MOS** Oil Seals			Rubber Lip Steel Case	-40° - +225° F	10 PSI @ 1000 FPM	3 FT/ SEC	**690 - 692**
	RVA Oil Seals			Nitrile	-40° - +225° F	0 - 5 PSI	1.5 FT/ SEC	**693 - 694**
	MOS-BABSL BABSLV Shaft Seals			Nitrile/ Fluorocarbon	-40° - +212° F/ -40° - +320° F	-	-	**695**

SEAL PROFILE INDEX

METRIC SEALS

Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
O-RINGS	**MOR** O-Rings			70A or 90A Durometer Nitrile or 75A Durometer Fluorocarbon	-40° - +220° F	-	3 FT/ SEC	**698 - 716**
	OBVD Static Seals			Nitrile O-Ring Urethane Back-Up	-22° - +212° F	0 - 7250 PSI	3 FT/ SEC	**718 - 719**
HEAD SEALS	**MHS8** Head Seals			Nitrile O-Ring Urethane Back-Up	-31° - +230° F	0 - 7250 PSI	STATIC	**720 - 721**
	MCVR84 Cover Seals			95A Urethane	-22° - +212° F	0 - 8700 PSI	STATIC TO 3FT/ SEC	**722 - 723**
	MHSNB Head Seals			Nitrile O-Ring Urethane Back-Up	-31° - +230° F	0 - 7250 PSI	STATIC	**724**
	MUHS Head Seals			Polyester Elastomer	-22° - +212° F -40° - +140° F (HFA)	0 - 7250 PSI	STATIC	**725**
BACK-UP RINGS	**MBT** Back-Up Rings			PTFE	-100° - +500° F	-	-	**726 - 728**
	MBU Back-Up Rings			Urethane	-40° - +200° F	-	-	**729 - 730**
RETAINER RINGS	**MSL** Spiral Internal Retainer Rings		-	Steel	-	-	-	**731**
	MNAN Internal Retainer RIngs		-	Steel	-	-	-	**731**

METRIC SEALS

Type	Prefix	Product Image	Profile	Material	Temp	Pressure	Speed	Page #
RETAINER RINGS	**M300** Internal Retainer RIngs		-	Steel	-	-	-	**732**
	M310 External Retainer RIngs		-	Steel	-	-	-	**733**
	M300-DHT Internal Retainer RIngs		-	Steel	-	-	-	**735**
	MSR U-Seal Retainer Rings			Acetal	-22° TO +212° F	-	-	**735**

SEAL PROFILE INDEX

REPAIR ACCESSORIES

Type	Prefix	Product Image	Products / Material	Page #
REPAIR ACCESSORIES	**CAP** Cap Plugs		Tapered for Miscellanous Applications, NPT Style Ports, and with Pull Rings. Female threaded for JIC Fittings, O-Ring and Flat Face Fitting Caps, Maile Threaded Pipe and cap plugs for flared JIC Fittings.	**738 - 742**
	BOLTED SPLIT Flange Protectors		3,000 PSI and 5,000 PSI Flanges	**742**
	Face and Thread Seals		Steel Washer and Rubber Seal for Style 110 and SB Face Seals, and Thread Seals	**743 - 744**
	Wave Springs and Shim		Wave Springs and Carbon Steel Shims	**746 - 747**
	LN Lock Nuts		Grade C Locknuts and Nylon Insert Locking Nuts	**748 - 749**
	HH & MHH Self Aligning Bearings		Inch and Metric Carbon Chromium Steel	**750 - 751**
	SS Set Screws		17 Various sizes	**752**
	NY-PLUG Nylon Plugs		15 Various sizes	**752**
	LOCK WIRE Wind-In		7 Various sizes	**752**
	FV Filter Vent Plugs		6 Various sizes	**752**

REPAIR ACCESSORIES

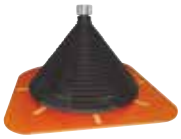
Type	Prefix	Product Image	Products / Material	Page #
REPAIR ACCESSORIES	Steel Plugs and Vents		Steel Plugs (O-Ring Boss), NPT Steel Plug and NPT Air Vent	**753**
	SHTPP Port Plugs		Zero-Leak Gold Standard Thread	**754**
	WH Manual Bleeder Valves		1/8 NPT	**754**
	Bushings		Split Tension	**755**
	Adhesives		Loctite and Thread Locker Adhesives	**756**
	SEAL LUBE		O-ring Lubricant	**756**
	GF Grease Fittings		Grease Fittings in 8 various sizes and Grease Fitting Cap	**757**
	TAPE		PTFE / Silicone	**757**
	CP Cotter Pins		Carbon Chromium Steel - 16 Sizes	**757**
	MCPL Couplings		4 Various sizes - 50H, 110H, 140H and 50A	**758**

SEAL PROFILE INDEX

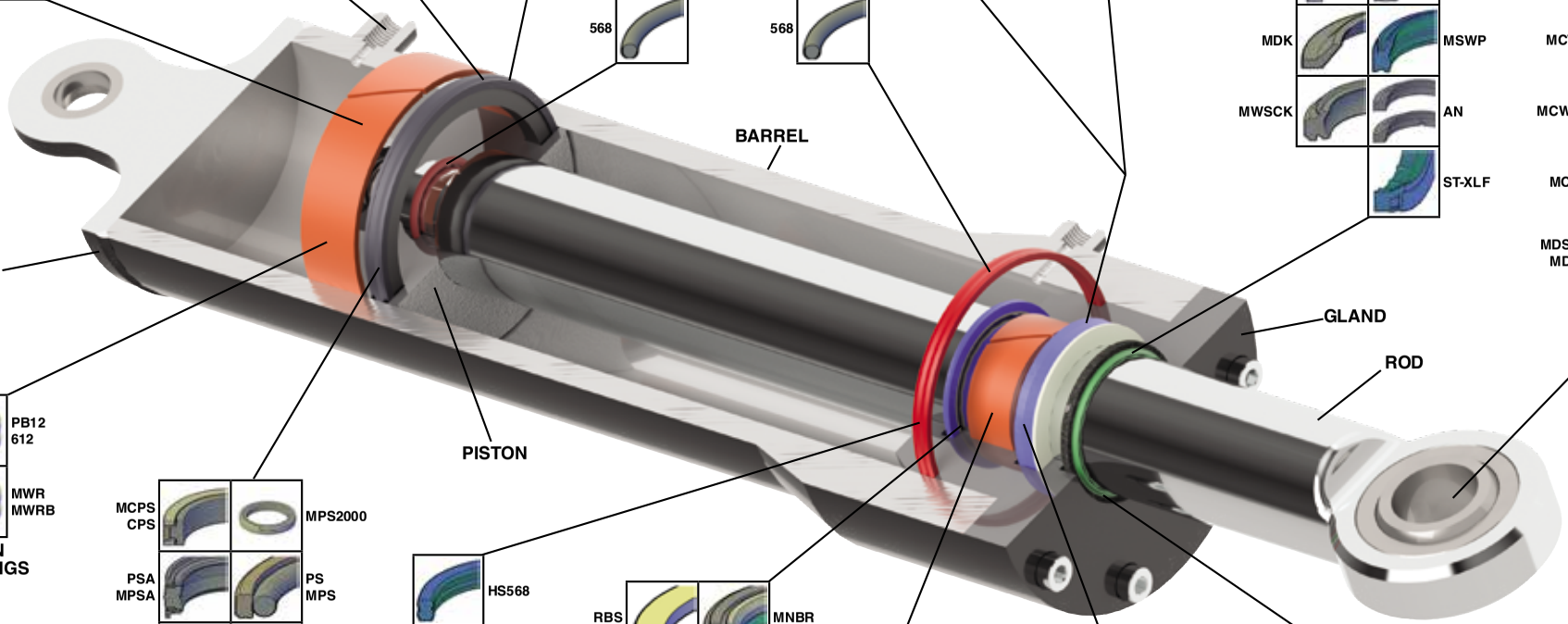
KITS AND TOOLS

Type	Prefix	Product Image	Products / Material	Page #
KITS AND TOOLS	O-Ring Kits		Inch and Metric Standard, Industrial and Warehouse O-Ring Assortment Kits. Kit include materials such as 70 and 90 Durometer, Fluorocarbon and PTFE. Additional kits include: Boss, Flange, Quad, Face and Hose End & Adapter.	**760 - 768**
	O-Ring Splice Kits		Inch and Metric Sizes, in 70 Durometer Buna and 75 Durometer Fluorocarbon O-Ring Cords.	**769**
	Back-Up Kits		Various Back-up Ring Kits include materials such as 90A Durometer Buna-N Rubber, Urethane and PTFE.	**770**
	Retainer Ring Kits		Eaton, Spiral Wound and Internal/External Retainer Ring Kits. All rings are made in the USA from carbon spring steel.	**771**
	Assortment Kits		Assortment kits include d-ring, silicone, flange and nitrile seals for use on Caterpillar®, John Deere and Komatsu® equipment. Additional assortion kits include Nitrile and Fluorocarbon O-ring, Cotter Pin, Woodruff Key, Grease Fitting, Set Screw, Cap and Nylon Plug and Seal Tools.	**771 - 776**
	Installation Tools		Various Rod U-Seal Intallation Tools	**776 - 777**
	Splicing Tools		Various Splicing Kits and Tools	**777**
	Cutting and Chopping		Various Cutters and Choppers for Wear Rings and O-ring Cord.	**777 - 778**
	Removal Tools		Removal tools include Oil Seal Removal and Installation, Assorted O-Ring Pick Sets, Packing Hooks, Chevron Assembly, Woodscrew and Corkscrew Tip, Stop Ring Wrenches and Solid Shaft Picks.	**778 - 780**
	Dismantling Tools		Dismantling Tools include Spanner Wrenches and Parker Gland Wrenches.	**781**

KITS AND TOOLS

Type	Prefix	Product Image	Products / Material	Page #
KITS AND TOOLS	Slings		Sling-Nylon	**782**
	Remanufac-turing Tools		Remanufacturing Tools include Hone Stone Sets, Portable Hones, Honing Oil, Piston Seal Stretcher and Reforming Tool and the Mini Grinder.	**783 - 787**
	Leak Detection		Leak Detection includes the Ultimate Leak Detection Kit, along with various Leak Detection Products.	**788**
	Measuring Tools		Various Measuring tools including Calipers, O-Ring Measuring Cone, Gauge and Chart. Additional tools include Pi Tape, a power punch set and several reference charts for seals, O-rings and Cylinders.	**789 - 790**

LIGHT TO MEDIUM DUTY SEALS



PNEUMATIC PISTON SEALS
MPK54 MDPC
MPK62 MDPC-57
HRU HSU
MUKPN MAPA

PISTON SEALS
(USED IN VARIOUS COMBINATIONS)
TP HU MUU
PS MPS DPU MPU

PISTON WEAR RINGS
PB12 612
MWR MWRB

PORT

ROD END SEAL
568

GLAND SEAL
568

PNEUMATIC ROD SEALS
MUKRN HSU
TR HRU

ROD SEALS
DRTU HU MUU
MRTU HMU
MRU TR

ROD WIPERS
(SNAP-IN)
ST HW
CSWM BT
MDK MSWP
MWSCK AN
ST-XLF

PIN SEALS
MCW
MCWA
MCN
MDSU MDS

BARREL

CAP

GLAND

ROD

PISTON

PISTON WEAR RINGS
PB12 612
MWR MWRB

PISTON SEALS
(USED IN VARIOUS COMBINATIONS)
MCPS CPS MPS2000
PSA MPSA PS MPS
DPU MPU PS914

GLAND SEALS
HS568
568

BUFFER RINGS
RBS MNBR
MBRW MYBR
DYR MYR KR MKR

ROD WEAR RINGS
(BEARINGS)
MWR MWRB PB12 612
DU MDU

ROD SEALS
MUTS RU9
DRTU MRUB
MRTU 800 MUUL
RTUB MRTUB MRT320

ROD WIPERS
(PRESS-IN)
MCKU
MCHD MCU
MCKBI MCKB

HEAVY DUTY SEALS

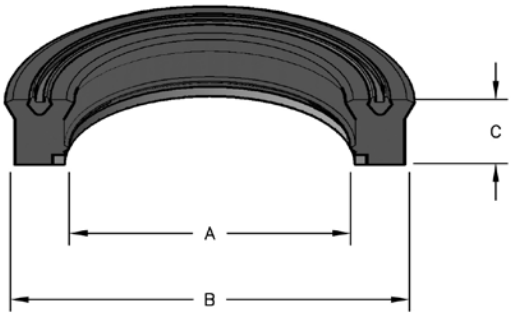
Inch Seals

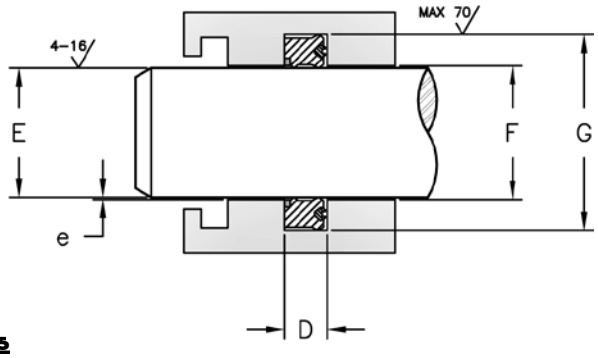
Contents

	Page
Rod U-Seals	2 - 38
Piston U-Seals	39 - 51
U-Seals	52 - 151
Rod Buffer Seals	152 - 163
Vee Packing Sets	164 - 172
Individual Vee Rings and Adaptors	173 - 177
WV Packing	178 - 182
Piston Cups	183 - 189
T-Seals	190 - 201
Unitized Pistons	202 - 203
Piston Seal Assemblies	204 - 253
Iron Piston Rings	254 - 260
Wear Rings, Power Bands and Bearings	261 - 278
Wiper Rings	279 - 323
Oil Seals	324 - 330
O-Rings, Quad Rings, Head and Flange Seals	331 - 392
Fiber Gaskets	393
Back-Up Rings	394 - 421
Retainer Rings	422 - 437
Metric / Inch Conversion Table	438

STYLE RTUB SUPER-DUTY ROD U-SEALS

Featuring high pressure and high shock load capability, this seal utilizes the same twin lip design found in the RTU style. With the main body of the seal molded from high performance polyurethane, this seal incorporates a dynamically designed nitrile energizer and a tough polyacetal anti-extrusion ring. RTUB is capable of pressures up to 10,000 psi in approved applications. Please consult Engineering for pressures above 6,000 psi.





PART NUMBERS

RTUB 18 - 1.25 - 25

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION					
MATERIAL	94A URETHANE SEAL RUBBER ENERGIZER POLYACETAL ANTI-EXTRUSION RING				
MAXIMUM OPERATING CONDITIONS					
MAXIMUM SPEED	PRESSURE RANGE		TEMPERATURE RANGE		
3 FT/SEC	0 - 6,000 PSI		-50° to +230° F		
MAXIMUM EXTRUSION GAP					
PRESSURE	2,400 PSI	3,750 PSI	6,000 PSI	7,500 PSI	10,000 PSI
MAX. DIAM. GAP	.040”	.032”	.024”	.016”	.010”

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
3/16" C/S							
RTUB18-1.25-25	1-1/4	1-5/8	1/4	.275 +.010 +.000	1.250 -.0010 -.0034	1.251 +.003 +.000	1.625 ±.0031
RTUB18-1.25-31	1-1/4	1-5/8	.313	.344 +.010 +.000	1.250 -.0010 -.0034	1.251 +.003 +.000	1.625 ±.0031
RTUB18-1.50-25	1-1/2	1-7/8	1/4	.275 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	1.875 ±.0031
RTUB18-1.50-31	1-1/2	1-7/8	5/16	.344 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	1.875 ±.0031
RTUB18-1.75-25	1-3/4	2-1/8	1/4	.275 +.010 +.000	1.750 -.0010 -.0034	1.751 +.003 +.000	2.125 ±.0037
RTUB18-1.75-37	1-3/4	2-1/8	3/8	.413 +.010 +.000	1.750 -.0010 -.0034	1.751 +.003 +.000	2.125 ±.0037
RTUB18-2.00-37	2	2-3/8	3/8	.413 +.010 +.000	2.000 -.0012 -.0041	2.001 +.004 +.000	2.375 ±.0037
RTUB18-3.75-37	3-3/4	4-1/8	3/8	.413 +.010 +.000	3.750 -.0014 -.0048	3.751 +.004 +.000	4.125 ±.0043

STYLE RTUB SUPER-DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
1/4" C/S							
RTUB25-1.37-37	1-3/8	1-7/8	3/8	.413 +.010 +.000	1.375 -.0010 -.0034	1.376 +.003 +.000	1.875 ±.0031
RTUB25-1.50-37	1-1/2	2	3/8	.413 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	2.000 ±.0037
RTUB25-1.75-37	1-3/4	2-1/4	3/8	.413 +.010 +.000	1.750 -.0010 -.0034	1.751 +.003 +.000	2.250 ±.0037
RTUB25-2.00-37	2	2-1/2	3/8	.413 +.010 +.000	2.000 -.0012 -.0041	2.001 +.004 +.000	2.500 ±.0037
RTUB25-2.12-37	2-1/8	2-5/8	3/8	.413 +.010 +.000	2.125 -.0012 -.0041	2.126 +.004 +.000	2.625 ±.0037
RTUB25-2.25-37	2-1/4	2-3/4	3/8	.413 +.010 +.000	2.250 -.0012 -.0041	2.251 +.004 +.000	2.750 ±.0037
RTUB25-2.37-37	2-3/8	2-7/8	3/8	.413 +.010 +.000	2.375 -.0012 -.0041	2.376 +.004 +.000	2.875 ±.0037
RTUB25-2.50-37	2-1/2	3	3/8	.413 +.010 +.000	2.500 -.0012 -.0041	2.501 +.004 +.000	3.000 ±.0037
RTUB25-2.75-37	2-3/4	3-1/4	3/8	.413 +.010 +.000	2.750 -.0012 -.0041	2.751 +.004 +.000	3.250 ±.0043
RTUB25-3.00-37	3	3-1/2	3/8	.413 +.010 +.000	3.000 -.0012 -.0041	3.001 +.004 +.000	3.500 ±.0043
RTUB25-3.25-37	3-1/4	3-3/4	3/8	.413 +.010 +.000	3.250 -.0014 -.0048	3.251 +.004 +.000	3.750 ±.0043
RTUB25-3.50-37	3-1/2	4	3/8	.413 +.010 +.000	3.500 -.0014 -.0048	3.501 +.004 +.000	4.000 ±.0043
RTUB25-3.62-37	3-5/8	4-1/8	3/8	.413 +.010 +.000	3.625 -.001 -.005	3.626 +.004 +.000	4.125 ±.004
RTUB25-3.75-37	3-3/4	4-1/4	3/8	.413 +.010 +.000	3.750 -.001 -.005	3.751 +.004 +.000	4.250 ±.004
RTUB25-4.00-37	4	4-1/2	3/8	.413 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.500 ±.0043
RTUB25-4.00-56	4	4-1/2	9/16	.619 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.500 ±.0043
RTUB25-4.50-37	4-1/2	5	3/8	.413 +.010 +.000	4.500 -.0014 -.0048	4.501 +.004 +.000	5.000 ±.0049
RTUB25-4.50-56	4-1/2	5	9/16	.619 +.010 +.000	4.500 -.0014 -.0048	4.501 +.004 +.000	5.000 ±.0049
RTUB25-5.00-56	5	5-1/2	9/16	.619 +.010 +.000	5.000 -.0017 -.0056	5.001 +.004 +.000	5.500 ±.0049
RTUB25-5.50-56	5-1/2	6	9/16	.619 +.010 +.000	5.500 -.0017 -.0056	5.501 +.004 +.000	6.000 ±.0049
RTUB25-6.00-56	6	6-1/2	9/16	.619 +.010 +.000	6.000 -.0017 -.0056	6.001 +.004 +.000	6.500 ±.0049
RTUB25-7.00-50	7	7-1/2	1/2	.550 +.010 +.000	7.000 -.013 -.049	7.001 +.003 +.000	7.500 ±.045
5/16" C/S							
RTUB31-2.50-50	2-1/2	3-1/8	1/2	.550 +.010 +.000	2.500 -.0012 -.0041	2.501 +.004 +.000	3.125 ±.0037
RTUB31-3.00-50	3	3-5/8	1/2	.550 +.010 +.000	3.000 -.0012 -.0041	3.001 +.004 +.000	3.625 ±.0043
RTUB31-3.50-50	3-1/2	4-1/8	1/2	.550 +.010 +.000	3.500 -.0014 -.0048	3.501 +.004 +.000	4.125 ±.0043
RTUB31-4.00-37	4	4-5/8	3/8	.413 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.625 ±.004
RTUB31-4.00-50	4	4-5/8	1/2	.550 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.625 ±.0043
RTUB31-4.00-56	4	4-5/8	9/16	.619 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.625 ±.0043
RTUB31-4.50-37	4-1/2	5-1/8	3/8	.413 +.010 +.000	4.500 -.001 -.005	4.501 +.004 +.000	5.125 ±.005
RTUB31-4.50-62	4-1/2	5-1/8	5/8	.688 +.010 +.000	4.500 -.0014 -.0048	4.501 +.004 +.000	5.125 ±.0049
RTUB31-5.00-62	5	5-5/8	5/8	.688 +.010 +.000	5.000 -.0017 -.0056	5.001 +.004 +.000	5.625 ±.0049

STYLE RTUB SUPER-DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTUB31-5.50-37	5-1/2	6-1/8	3/8	.413 +.010 +.000	5.500 -.002 -.006	5.501 +.004 +.000	6.125 ±.005
3/8" C/S							
RTUB37-3.00-62	3	3-3/4	5/8	.688 +.010 +.000	3.000 -.0012 -.0041	3.001 +.004 +.000	3.750 ±.0043
RTUB37-3.25-62	3-1/4	4	5/8	.688 +.010 +.000	3.250 -.0014 -.0048	3.251 +.004 +.000	4.000 ±.0043
RTUB37-3.50-62	3-1/2	4-1/4	5/8	.688 +.010 +.000	3.500 -.0014 -.0048	3.501 +.004 +.000	4.250 ±.0043
RTUB37-4.00-62	4	4-3/4	5/8	.688 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.750 ±.0049
RTUB37-4.25-62	4-1/4	5	5/8	.688 +.010 +.000	4.250 -.0014 -.0048	4.251 +.004 +.000	5.000 ±.0049
RTUB37-4.50-62	4-1/2	5-1/4	5/8	.688 +.010 +.000	4.500 -.0014 -.0048	4.501 +.004 +.000	5.250 ±.0049
RTUB37-4.75-37	4-3/4	5-1/2	3/8	.413 +.010 +.000	4.750 -.0017 -.0056	4.751 +.004 +.000	5.500 ±.0049
RTUB37-4.75-62	4-3/4	5-1/2	5/8	.688 +.010 +.000	4.750 -.0017 -.0056	4.751 +.004 +.000	5.500 ±.0049
RTUB37-5.00-62	5	5-3/4	5/8	.688 +.010 +.000	5.000 -.0017 -.0056	5.001 +.004 +.000	5.750 ±.0049
RTUB37-5.25-62	5-1/4	6	5/8	.688 +.010 +.000	5.250 -.002 -.006	5.251 +.004 +.000	6.000 ±.005
RTUB37-5.75-62	5-3/4	6-1/2	5/8	.688 +.010 +.000	5.750 -.0017 -.0056	5.751 +.004 +.000	6.500 ±.0049
RTUB37-6.00-62	6	6-3/4	5/8	.688 +.010 +.000	6.000 -.0017 -.0056	6.001 +.004 +.000	6.750 ±.0049
RTUB37-8.00-62	8	8-3/4	5/8	.688 +.010 +.000	8.000 -.0020 -.0065	8.001 +.004 +.000	8.750 ±.0057
1/2" C/S							
RTUB50-10.00-75	10	11	3/4	.825 +.010 +.000	10.000 -.0022 -.0073	10.001 +.004 +.000	11.000 ±.0063

Seal color may vary.

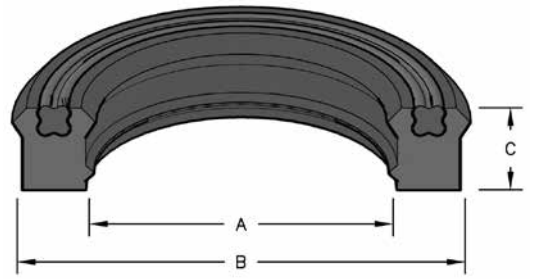
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE RTUL LOADED ROD U-SEAL

Molded from high performance polyurethane, style RTUL rod U-seals feature an expander for good low pressure sealing. The twin lip feature reduces friction and promotes stability.



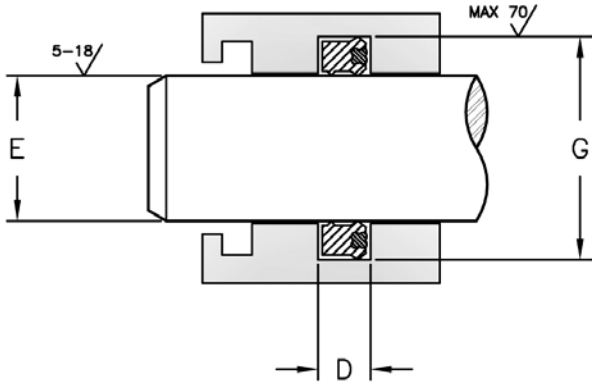
Note: RTUSL has a canted coil energizer

PART NUMBERS

RTUL 21 - 1.25 - 31 BHT

Type of Seal | Cross Section | Inside Diameter | Height

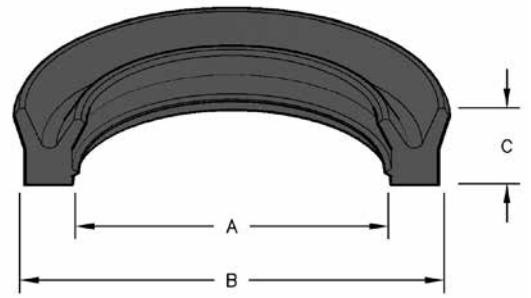
SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-40° TO +225°F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
7/32" C/S						
RTUL21-1.25-31BHT	1-1/4	1-11/16	5/16	.344 +.010 +.000	1.250 +.000 -.002	1.688 +.002 +.000
RTUL21-1.25-39BHT	1-1/4	1-11/16	25/64	.430 +.010 +.000	1.250 +.000 -.002	1.688 +.002 +.000
RTUL21-1.37-31BHT	1-3/8	1-13/16	5/16	.344 +.010 +.000	1.375 +.000 -.002	1.813 +.002 +.000
RTUL21-1.37-39BHT	1-3/8	1-13/16	25/64	.430 +.010 +.000	1.375 +.000 -.002	1.813 +.002 +.000
RTUL21-1.50-37BHT	1-1/2	1-15/16	3/8	.413 +.010 +.000	1.500 +.000 -.002	1.938 +.002 +.000
RTUL21-1.62-37BHT	1-5/8	2-1/16	3/8	.413 +.010 +.000	1.625 +.000 -.002	2.063 +.002 +.000
RTUL21-1.62-39BHT	1-5/8	2-1/16	25/64	.430 +.010 +.000	1.625 +.000 -.002	2.063 +.002 +.000
RTUL21-1.75-37BHT	1-3/4	2-3/16	3/8	.413 +.010 +.000	1.750 +.000 -.002	2.188 +.002 +.000
RTUL21-1.75-39BHT	1-3/4	2-3/16	25/64	.430 +.010 +.000	1.750 +.000 -.002	2.188 +.002 +.000
1/4" C/S						
RTUL25-1.75-37BHT	1-3/4	2-1/4	3/8	.413 +.010 +.000	1.750 +.000 -.002	2.250 +.003 +.000
RTUL25-2.00-37BHT	2	2-1/2	3/8	.413 +.010 +.000	2.000 +.000 -.002	2.500 +.003 +.000
RTUL25-2.25-37BHT	2-1/4	2-3/4	3/8	.413 +.010 +.000	2.250 +.000 -.002	2.750 +.003 +.000
11/32" C/S						
RTUSL34-5.00-37	5	5-11/16	3/8	.413	5.000	5.687
RTUSL34-7.50-37	7-1/2	8-3/16	3/8	.413	7.500	8.187
RTUSL34-8.50-37	8-1/2	9-3/16	3/8	.413	8.500	9.187

STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

The twin lip design helps solve difficult rod sealing problems by providing lower friction, increased stability, and high dynamic lip force, while preventing air penetration from outside the cylinder.



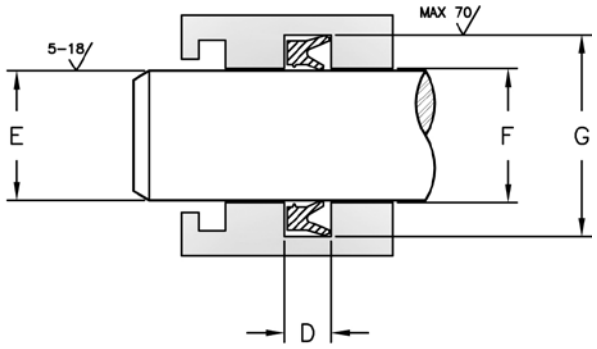
PART NUMBERS

RTU 12 - 0.37 - 19

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-40° TO +225°F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

HT= HIGH TEMP MATERIAL UP TO +250°F



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
1/8" C/S							
RTU12-0.37-19	3/8	5/8	.198	.218 +.010 +.000	.375 -.001 -.002	.376 +.003 +.000	.625 ±.002
RTU12-0.50-18	1/2	3/4	3/16	.207 +.010 +.000	.500 -.0006 -.0023	.501 +.003 +.000	.750 ±.0026
RTU12-0.62-18	5/8	7/8	.187	.207 +.010 +.000	.625 -.0006 -.0023	.626 +.003 +.000	.875 ±.0026
RTU12-0.62-25	5/8	7/8	.241	.265 +.010 +.000	.625 -.001 -.002	.626 +.003 +.000	.875 ±.003
RTU12-0.75-12	3/4	1	1/8	.138 +.010 +.000	.750 -.0008 -.0028	.751 +.003 +.000	1.000 ±.003
RTU12-0.75-18	3/4	1	.187	.207 +.010 +.000	.750 -.0008 -.0028	.751 +.003 +.000	1.000 ±.0026
RTU12-0.75-25	3/4	1	1/4	.275 +.010 +.000	.750 -.001 -.003	.751 +.003 +.000	1.000 ±.003
RTU12-0.87-18	7/8	1-1/8	.187	.207 +.010 +.000	.875 -.0008 -.0028	.876 +.003 +.000	1.125 ±.0026
RTU12-0.87-25	7/8	1-1/8	1/4	.275 +.010 +.000	.875 -.001 -.003	.876 +.003 +.000	1.125 ±.003
RTU12-1.00-18	1	1-1/4	3/16	.207 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.250 ±.003
RTU12-1.00-25	1	1-1/4	1/4	.275 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.250 ±.003
RTU12-1.00-25-BT4300	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000
RTU12-1.06-25	1.062	1.312	1/4	.275 +.010 +.000	1.062 -.001 -.003	1.063 +.003 +.000	1.312 ±.003
RTU12-1.12-18	1-1/8	1.368	.187	.207 +.010 +.000	1.125 -.001 -.003	1.126 +.003 +.000	1.368 ±.003
RTU12-1.12-25	1-1/8	1-3/8	1/4	.275 +.010 +.000	1.125 -.0008 -.0028	1.126 +.003 +.000	1.375 ±.003

STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTU12-1.25-19	1-1/4	1.491	.197	.217 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.491 ±.003
RTU12-1.25-25	1-1/4	1-1/2	1/4	.275 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.500 ±.003
RTU12-1.37-18	1-3/8	1-5/8	.187	.207 +.010 +.000	1.375 -.001 -.003	1.376 +.003 +.000	1.625 ±.003
RTU12-1.37-19	1-3/8	1.615	.197	.217 +.010 +.000	1.375 -.001 -.003	1.376 +.003 +.000	1.616 ±.003
RTU12-1.37-25	1-3/8	1-5/8	1/4	.275 +.010 +.000	1.375 -.0010 -.0034	1.376 +.003 +.000	1.625 ±.0031
RTU12-1.50-25	1-1/2	1-3/4	1/4	.275 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	1.750 ±.003
RTU12-1.75-25	1-3/4	2	1/4	.275 +.010 +.000	1.750 -.0010 -.0034	1.751 +.003 +.000	2.000 ±.0037
RTU12-2.00-25	2	2-1/4	1/4	.275 +.010 +.000	2.000 -.001 -.004	2.001 +.004 +.000	2.250 ±.004
3/16" C/S							
RTU18-0.37-31	3/8	3/4	5/16	.343 +.010 +.000	.375 -.0005 -.0019	.376 +.003 +.000	.750 ±.0026
RTU18-1.00-25	1	1-3/8	1/4	.275 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.375 ±.003
RTU18-1.00-31	1	1-3/8	5/16	.344 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.375 ±.003
RTU18-1.12-31	1-1/8	1-1/2	5/16	.344 +.010 +.000	1.125 -.001 -.003	1.126 +.003 +.000	1.500 ±.003
RTU18-1.18-25	1.187	1.562	1/4	.275 +.010 +.000	1.187 -.0010 -.0034	1.188 +.003 +.000	1.562 ±.0031
RTU18-1.25-23	1-1/4	1-5/8	.227	.250 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.625 ±.003
RTU18-1.25-25	1-1/4	1-5/8	1/4	.275 +.010 +.000	1.250 -.0010 -.0034	1.251 +.003 +.000	1.625 ±.0031
RTU18-1.25-31	1-1/4	1-5/8	5/16	.344 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.625 ±.003
RTU18-1.25-37HT	1-1/4	1-5/8	3/8	.413 +.010 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.625 +.002 +.000
RTU18-1.37-31	1-3/8	1-3/4	5/16	.344 +.010 +.000	1.375 -.001 -.003	1.376 +.003 +.000	1.750 ±.003
RTU12-1.50-18	1-1/2	1-3/4	3/16	.207 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	1.743 ±.003
RTU18-1.50-25	1-1/2	1-7/8	1/4	.275 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	1.875 ±.003
RTU18-1.50-31	1-1/2	1-7/8	5/16	.344 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	1.875 ±.003
RTU18-1.50-37	1-1/2	1-7/8	3/8	.413 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	1.875 ±.003
RTU18-1.62-31	1-5/8	2	5/16	.344 +.010 +.000	1.625 -.001 -.003	1.626 +.003 +.000	2.000 ±.004
RTU18-1.62-37	1-5/8	2	3/8	.413 +.010 +.000	1.625 -.0010 -.0034	1.626 +.003 +.000	2.000 ±.0037
RTU18-1.75-25	1-3/4	2-1/8	1/4	.275 +.010 +.000	1.750 -.001 -.003	1.751 +.003 +.000	2.125 ±.004
RTU18-1.75-31	1-3/4	2-1/8	5/16	.344 +.010 +.000	1.750 -.001 -.003	1.751 +.003 +.000	2.125 ±.004
RTU18-1.75-37	1-3/4	2-1/8	3/8	.413 +.010 +.000	1.750 -.001 -.003	1.751 +.003 +.000	2.125 ±.004
RTU18-1.87-31	1-7/8	2-1/4	5/16	.344 +.010 +.000	1.875 -.001 -.003	1.876 +.003 +.000	2.250 ±.004
RTU18-1.87-37	1-7/8	2-1/4	3/8	.413 +.010 +.000	1.875 -.0010 -.0034	1.876 +.003 +.000	2.250 ±.0037
RTU18-2.00-25	2	2-3/8	1/4	.275 +.010 +.000	2.000 -.0012 -.0041	2.001 +.003 +.000	2.375 ±.0037
RTU18-2.00-31	2	2-3/8	5/16	.344 +.010 +.000	2.000 -.001 -.004	2.001 +.003 +.000	2.375 ±.004
RTU18-2.00-37	2	2-3/8	3/8	.413 +.010 +.000	2.000 -.001 -.004	2.001 +.004 +.000	2.375 ±.004

STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTU18-2.50-31	2-1/2	2-7/8	5/16	.344 +.010 +.000	2.500 -.001 -.004	2.501 +.004 +.000	2.875 ±.004
RTU18-2.62-37	2-5/8	3	3/8	.413 +.010 +.000	2.625 -.0012 -.0041	2.626 +.004 +.000	3.000 ±.0037
RTU18-2.75-37	2-3/4	3-1/8	3/8	.413 +.010 +.000	2.750 -.0012 -.0041	2.751 +.004 +.000	3.125 ±.0037
RTU18-3.00-37	3	3-3/8	3/8	.413 +.010 +.000	3.000 -.001 -.004	3.001 +.004 +.000	3.375 ±.004
RTU18-3.12-62	3-1/8	3-1/2	5/8	.688 +.010 +.000	3.125 -.001 -.004	3.126 +.004 +.000	3.500 ±.004
RTU18-3.25-56	3-1/4	3-5/8	9/16	.619 +.010 +.000	3.250 -.001 -.005	3.251 +.004 +.000	3.625 ±.004
RTU18-3.50-37	3-1/2	3-7/8	3/8	.413 +.010 +.000	3.500 -.001 -.005	3.501 +.004 +.000	3.875 ±.004
RTU18-4.00-37	4	4-3/8	3/8	.413 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.375 ±.004
RTU18-4.50-37	4-1/2	4-7/8	3/8	.413 +.010 +.000	4.500 -.001 -.005	4.501 +.004 +.000	4.875 ±.004
RTU18-4.75-37	4-3/4	5-1/8	3/8	.413 +.010 +.000	4.750 -.001 -.005	4.751 +.003 +.000	5.125 ±.005
RTU18-5.00-37	5	5-3/8	3/8	.413 +.010 +.000	5.000 -.002 -.006	5.001 +.004 +.000	5.375 ±.005
.188" C/S							
RTU18-0.62-28	5/8	1	.281	.312 +.010 +.000	.625 -.001 -.002	.626 +.003 +.000	1.000 ±.003
RTU18-0.75-31	3/4	1-1/8	.312	.344 +.010 +.000	.750 -.001 -.003	.751 +.003 +.000	1.125 ±.003
RTU18-2.12-37	2-1/8	2-1/2	3/8	.413 +.010 +.000	2.125 -.001 -.004	2.126 +.003 +.000	2.500 ±.004
RTU18-2.37-37	2-3/8	2-3/4	3/8	.413 +.010 +.000	2.375 -.001 -.004	2.376 +.003 +.000	2.750 ±.004
RTU18-2.50-37	2-1/2	2-7/8	3/8	.413 +.010 +.000	2.500 -.001 -.004	2.501 +.003 +.000	2.875 ±.004
RTU18-3.75-37	3-3/4	4-1/8	3/8	.413 +.010 +.000	3.750 -.001 -.005	3.751 +.003 +.000	4.125 ±.004
RTU18-5.50-37	5-1/2	5-7/8	3/8	.413 +.010 +.000	5.500 -.002 -.006	5.501 +.003 +.000	5.875 ±.005
1/4" C/S							
RTU25-1.00-25	1	1-1/2	.255	.275 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.500 ±.003
RTU25-1.00-37	1	1-1/2	3/8	.413 +.010 +.000	1.000 -.001 -.003	1.001 +.003 +.000	1.500 ±.003
RTU25-1.12-25	1-1/8	1-5/8	1/4	.275 +.010 +.000	1.125 -.0008 -.0028	1.126 +.003 +.000	1.625 ±.0031
RTU25-1.25-25	1-1/4	1-3/4	1/4	.275 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.750 ±.003
RTU25-1.25-37	1-1/4	1-3/4	3/8	.413 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.750 ±.003
RTU25-1.37-37	1-3/8	1-7/8	3/8	.413 +.010 +.000	1.375 -.001 -.003	1.376 +.003 +.000	1.875 ±.003
RTU25-1.37-37HT	1-3/8	1-7/8	3/8	.413 +.010 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000
RTU25-1.50-25	1-1/2	2	1/4	.275 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	2.000 ±.0037
RTU25-1.50-34	1-1/2	2	.341	.375 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	2.000 ±.004
RTU25-1.50-37	1-1/2	2	3/8	.413 +.010 +.000	1.500 -.001 -.003	1.501 +.003 +.000	2.000 ±.004
RTU25-1.62-37	1-5/8	2-1/8	3/8	.413 +.010 +.000	1.625 -.001 -.003	1.626 +.003 +.000	2.125 ±.004
RTU25-1.75-25	1-3/4	2-1/4	1/4	.275 +.010 +.000	1.750 -.0010 -.0034	1.751 +.003 +.000	2.250 ±.0037
RTU25-1.75-34	1-3/4	2-1/4	.341	.375 +.010 +.000	1.750 -.001 -.003	1.751 +.003 +.000	2.250 ±.004

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTU25-1.75-37	1-3/4	2-1/4	3/8	.413 +.010 +.000	1.750 -.001 -.003	1.751 +.003 +.000	2.250 ±.004
RTU25-1.87-37	1-7/8	2-3/8	3/8	.413 +.010 +.000	1.875 -.001 -.003	1.876 +.003 +.000	2.250 ±.004
RTU25-2.00-25	2	2-1/2	1/4	.275 +.010 +.000	2.000 -.0012 -.0041	2.001 +.003 +.000	2.500 ±.0037
RTU25-2.00-31	2	2-1/2	5/16	.344 +.010 +.000	2.000 -.001 -.004	2.001 +.004 +.000	2.500 ±.004
RTU25-2.00-34	2	2-1/2	.341	.375 +.010 +.000	2.000 -.001 -.004	2.001 +.003 +.000	2.500 ±.004
RTU25-2.00-37	2	2-1/2	3/8	.413 +.010 +.000	2.000 -.001 -.004	2.001 +.004 +.000	2.500 ±.004
RTU25-2.00-37HT	2	2-1/2	3/8	.413 +.010 +.000	2.000 -.001 -.004	2.001 +.004 +.000	2.500 ±.004
RTU25-2.25-37	2-1/4	2-3/4	3/8	.413 +.010 +.000	2.250 -.001 -.004	2.251 +.004 +.000	2.750 ±.004
RTU25-2.37-37	2-3/8	2-7/8	3/8	.413 +.010 +.000	2.375 -.0012 -.0041	2.376 +.004 +.000	2.875 ±.0037
RTU25-2.50-25	2-1/2	3	1/4	.275 +.010 +.000	2.500 -.001 -.004	2.501 +.003 +.000	3.000 ±.004
RTU25-2.50-28	2-1/2	3	.284	.312 +.010 +.000	2.500 -.001 -.004	2.501 +.004 +.000	3.000 ±.004
RTU25-2.50-37	2-1/2	3	3/8	.413 +.010 +.000	2.500 -.001 -.004	2.501 +.004 +.000	3.000 ±.004
RTU25-2.75-31	2-3/4	3-1/4	.312	.344 +.010 +.000	2.750 -.001 -.004	2.751 +.004 +.000	3.250 ±.004
RTU25-2.75-37	2-3/4	3-1/4	3/8	.413 +.010 +.000	2.750 -.001 -.004	2.751 +.004 +.000	3.250 ±.004
RTU25-3.00-37	3	3-1/2	3/8	.413 +.010 +.000	3.000 -.001 -.004	3.001 +.004 +.000	3.500 ±.004
RTU25-3.00-75	3	3-1/2	.781	.859 +.010 +.000	3.000 -.001 -.004	3.001 +.004 +.000	3.500 ±.004
RTU25-3.25-37	3-1/4	3-3/4	3/8	.413 +.010 +.000	3.250 -.001 -.005	3.251 +.004 +.000	3.750 ±.004
RTU25-3.37-37	3-3/8	3-7/8	3/8	.413 +.010 +.000	3.375 -.001 -.005	3.376 +.003 +.000	3.875 ±.004
RTU25-3.50-31	3-1/2	4	.312	.344 +.010 +.000	3.500 -.001 -.005	3.501 +.004 +.000	4.000 ±.004
RTU25-3.50-37	3-1/2	4	3/8	.413 +.010 +.000	3.500 -.001 -.005	3.501 +.004 +.000	4.000 ±.004
RTU25-3.62-37	3-5/8	4-1/8	3/8	.413 +.010 +.000	3.625 -.001 -.005	3.626 +.003 +.000	4.125 ±.004
RTU25-3.75-37	3-3/4	4-1/4	3/8	.413 +.010 +.000	3.750 -.0014 -.0048	3.751 +.004 +.000	4.250 ±.0043
RTU25-3.75-50	3-3/4	4-1/4	1/2	.550 +.010 +.000	3.750 -.001 -.005	3.751 +.003 +.000	4.250 ±.004
RTU25-4.00-31	4	4-1/2	.312	.344 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.500 ±.0043
RTU25-4.00-37	4	4-1/2	3/8	.413 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.500 ±.004
RTU25-4.00-56	4	4-1/2	9/16	.619 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.500 ±.004
RTU25-4.00-75	4	4-1/2	.781	.859 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.500 ±.004
RTU25-4.25-56P	4-1/4	4-3/4	9/16	.618 +.150 +.000	4.250 +.000 -.002	4.251 +.004 +.000	4.750 +.000 -.003
RTU25-4.50-37	4-1/2	5	3/8	.413 +.010 +.000	4.500 -.001 -.005	4.501 +.004 +.000	5.000 ±.005
RTU25-4.75-62	4-3/4	5-1/4	5/8	.688 +.010 +.000	4.750 -.001 -.005	4.751 +.003 +.000	5.250 ±.005
RTU25-5.00-37	5	5-1/2	3/8	.413 +.010 +.000	5.000 -.002 -.006	5.001 +.004 +.000	5.500 ±.005
RTU25-5.00-75	5	5-1/2	.781	.859 +.010 +.000	5.000 -.002 -.006	5.001 +.004 +.000	5.500 ±.005
RTU25-5.50-37	5-1/2	6	3/8	.413 +.010 +.000	5.500 -.002 -.006	5.501 +.004 +.000	6.000 ±.005

STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTU25-6.00-75	6	6-1/2	.781	.859 +.010 +.000	6.000 -.002 -.006	6.001 +.004 +.000	6.500 ±.005
RTU25-6.37-37	6-3/8	6-7/8	3/8	.413 +.010 +.000	6.375 -.002 -.006	6.376 +.003 +.000	6.875 ±.005
RTU25-7.00-75	7	7-1/2	.78	.859 +.010 +.000	7.000 -.002 -.006	7.001 +.004 +.000	7.500 ±.006
RTU25-7.25-37	7-1/4	7-3/4	3/8	.413 +.010 +.000	7.250 -.002 -.006	7.251 +.003 +.000	7.750 ±.006
RTU25-8.12-75	8-1/8	8-5/8	.781	.859 +.010 +.000	8.125 -.002 -.007	8.126 +.004 +.000	8.625 ±.006
RTU25-9.37-75	9-3/8	9-7/8	.781	.859 +.010 +.000	9.375 -.002 -.007	9.376 +.004 +.000	9.875 ±.006
5/16" C/S							
RTU31-1.50-37	1-1/2	2-1/8	3/8	.413 +.010 +.000	1.500 -.0010 -.0034	1.501 +.003 +.000	2.125 ±.0037
RTU31-2.50-50	2-1/2	3-1/8	1/2	.550 +.010 +.000	2.500 -.0012 -.0041	2.501 +.004 +.000	3.125 ±.0037
RTU31-2.75-37	2-3/4	3-3/8	3/8	.413 +.010 +.000	2.750 -.0012 -.0041	2.751 +.004 +.000	3.375 ±.0043
RTU31-2.75-50	2-3/4	3-3/8	1/2	.550 +.010 +.000	2.750 -.0012 -.0041	2.751 +.004 +.000	3.375 ±.0043
RTU31-3.00-50	3	3-5/8	1/2	.550 +.010 +.000	3.000 -.0012 -.0041	3.001 +.004 +.000	3.625 ±.0043
RTU31-3.25-50	3-1/4	3-7/8	1/2	.550 +.010 +.000	3.250 -.0014 -.0048	3.251 +.004 +.000	3.875 ±.0043
RTU31-3.37-59	3-3/8	4	19/32	.653 +.010 +.000	3.375 -.001 -.005	3.376 +.004 +.000	4.000 ±.004
RTU31-4.00-37	4	4-5/8	3/8	.413 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.625 ±.0043
RTU31-4.00-50HT	4	4-5/8	1/2	.550 +.010 +.000	4.000 -.001 -.005	4.001 +.004 +.000	4.625 ±.004
RTU31-4.50-50	4-1/2	5-1/8	1/2	.550 +.010 +.000	4.500 -.001 -.005	4.501 +.004 +.000	5.125 ±.005
.313" C/S							
RTU31-1.25-39	1-1/4	1-7/8	.397	.437 +.010 +.000	1.250 -.001 -.003	1.251 +.003 +.000	1.875 ±.003
RTU31-1.37-39	1-3/8	2	.397	.437 +.010 +.000	1.375 -.001 -.003	1.376 +.003 +.000	2.000 ±.004
RTU31-2.00-31	2	2-5/8	.312	.344 +.010 +.000	2.000 -.001 -.004	2.001 +.003 +.000	2.625 ±.004
RTU31-2.00-39	2	2-5/8	.397	.437 +.010 +.000	2.000 -.001 -.004	2.001 +.003 +.000	2.625 ±.004
RTU31-2.00-50	2	2-5/8	1/2	.550 +.010 +.000	2.000 -.001 -.004	2.001 +.003 +.000	2.625 ±.004
RTU31-3.50-50	3-1/2	4-1/8	1/2	.550 +.010 +.000	3.500 -.001 -.005	3.501 +.003 +.000	4.125 ±.004
RTU31-4.00-50	4	4-5/8	1/2	.550 +.010 +.000	4.000 -.001 -.005	4.001 +.003 +.000	4.625 ±.004
RTU31-4.62-62	4-5/8	5-1/4	5/8	.688 +.010 +.000	4.625 -.001 -.005	4.626 +.003 +.000	5.250 ±.005
11/32" C/S							
RTU34-10.50-37	10-1/2	11-3/16	3/8	.413 +.010 +.000	10.500 -.002 -.007	10.501 +.004 +.000	11.1875 ±.006
3/8" C/S							
RTU37-3.00-62	3	3-3/4	5/8	.688 +.010 +.000	3.000 -.001 -.004	3.001 +.003 +.000	3.750 ±.004
RTU37-3.50-62	3-1/2	4-1/4	5/8	.688 +.010 +.000	3.500 -.001 -.005	3.501 +.003 +.000	4.250 ±.004
RTU37-4.00-50	4	4-3/4	1/2	.550 +.010 +.000	4.000 -.0014 -.0048	4.001 +.004 +.000	4.750 ±.0049
RTU37-4.00-62	4	4-3/4	5/8	.688 +.010 +.000	4.000 -.001 -.005	4.001 +.003 +.000	4.750 ±.005
RTU37-4.25-62	4-1/4	5	5/8	.688 +.010 +.000	4.250 -.001 -.005	4.251 +.003 +.000	5.000 ±.005

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

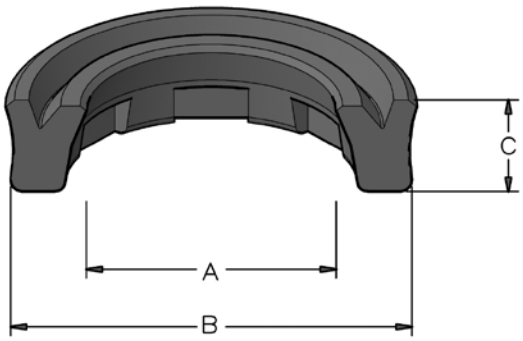
STYLE RTU ASYMMETRIC TWIN LIP ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
RTU37-4.50-62	4-1/2	5-1/4	5/8	.688 +.010 +.000	4.500 -.001 -.005	4.501 +.003 +.000	5.250 ±.005
RTU37-5.50-62	5-1/2	6-1/4	5/8	.688 +.010 +.000	5.500 -.002 -.006	5.501 +.003 +.000	6.250 ±.005
RTU37-6.00-62	6	6-3/4	5/8	.688 +.010 +.000	6.000 -.002 -.006	6.001 +.003 +.000	6.750 ±.005
RTU37-6.50-62	6-1/2	7-1/4	5/8	.688 +.010 +.000	6.500 -.002 -.006	6.501 +.003 +.000	7.250 ±.006
RTU37-7.00-62	7	7-3/4	5/8	.688 +.010 +.000	7.000 -.002 -.006	7.001 +.003 +.000	7.750 ±.006
RTU37-7.75-62	7-3/4	8-1/2	5/8	.688 +.010 +.000	7.750 -.002 -.006	7.751 +.003 +.000	8.500 ±.006

Seal color may vary.

STYLE RU9 URETHANE ROD U-SEALS

Style RU9 seals are molded from MDI based Zurcon® Z25 urethane. This seal offers good elasticity with low compression set while maintaining a high level of tribological characteristics. The dynamic seal lip incorporates slide segments that will increase back-pumping capabilities while reducing friction. The RU9 style rod seal is ideal for hydraulic applications where high temperature and high pressure performance is required.

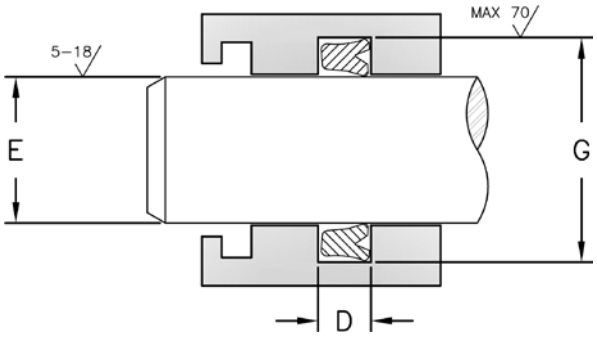


PART NUMBERS

RU9 18 - 1.12 - 31

RU9	18	1.12	31
Type of Seal	Cross Section	Inside Diameter	Height

SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-31° TO +270°F
PRESSURE RANGE	0 TO 5,800 PSI
SPEED	1.65 FT/SEC



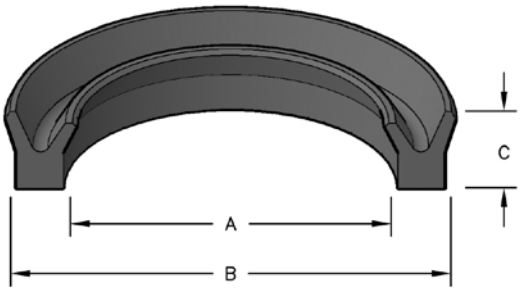
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
3/16" C/S						
RU918-1.12-31	1-1/8	1-1/2	.312	.343 +.010 +.000	1.125 +.0039 +.0000	1.501 +.000 -.002
RU918-1.25-31	1-1/4	1-5/8	.312	.343 +.010 +.000	1.250 +.0039 +.0000	1.626 +.000 -.002
RU918-1.37-31	1-3/8	1-3/4	5/16	.343 +.010 +.000	1.375 +.0039 +.0000	1.751 +.0000 -.0024
RU918-1.50-31	1-1/2	1-7/8	.312	.343 +.010 +.000	1.500 +.0039 +.0000	1.876 +.0000 -.0024
RU918-1.75-31	1-3/4	2-1/8	.312	.343 +.010 +.000	1.750 +.0047 +.0000	2.126 +.0000 -.0024
RU918-2.00-31	2	2-3/8	.312	.343 +.010 +.000	2.000 +.0047 +.0000	2.376 +.000 -.003
RU918-2.50-31	2-1/2	2-7/8	.312	.343 +.010 +.000	2.500 +.0047 +.0000	2.876 +.000 -.003
1/4" C/S						
RU925-1.50-37	1-1/2	2	3/8	.406 +.010 +.000	1.500 +.0047 +.0000	2.000 +.0000 -.0024
RU925-1.62-37	1-5/8	2-1/8	3/8	.406 +.010 +.000	1.625 +.0047 +.0000	2.125 +.0000 -.0024
RU925-1.75-37	1-3/4	2-1/4	3/8	.406 +.010 +.000	1.750 +.00047 +.00000	2.250 +.0000 -.0024
RU925-1.87-37	1-7/8	2-3/8	3/8	.406 +.010 +.000	1.875 +.0044 +.0000	2.375 +.0000 -.0024
RU925-2.00-37	2	2-1/2	3/8	.406 +.010 +.000	2.000 +.0047 +.0000	2.500 +.000 -.003
RU925-2.25-37	2-1/4	2-3/4	3/8	.406 +.010 +.000	2.250 +.0047 +.0000	2.750 +.000 -.003

STYLE RU9 URETHANE ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
RU925-2.50-37	2-1/2	3	3/8	.406 +.010 +.000	2.500 +.0047 +.0000	3.000 +.000 -.003
RU925-2.62-37	2-5/8	3-1/8	3/8	.406 +.010 +.000	2.625 +.0047 +.0000	3.125 +.000 -.003
RU925-2.75-37	2-3/4	3-1/4	3/8	.406 +.010 +.000	2.750 +.0055 +.0000	3.250 +.000 -.003
RU925-3.00-37	3	3-1/2	3/8	.406 +.010 +.000	3.000 +.0055 +.0000	3.500 +.000 -.003
RU925-3.25-37	3-1/4	3-3/4	3/8	.406 +.010 +.000	3.250 +.0055 +.0000	3.750 +.0000 -.0034
RU925-3.50-37	3-1/2	4	3/8	.406 +.010 +.000	3.500 +.0055 +.0000	4.000 +.0000 -.0034
RU925-3.75-37	3-3/4	4-1/4	3/8	.406 +.010 +.000	3.750 +.0055 +.0000	4.250 +.0000 -.0034
RU925-4.00-37	4	4-1/2	3/8	.406 +.010 +.000	4.000 +.0055 +.0000	4.500 +.0000 -.0034

STYLE RU URETHANE ROD U-SEALS

Style RU seals are molded from high quality urethane and designed specifically for rod applications.



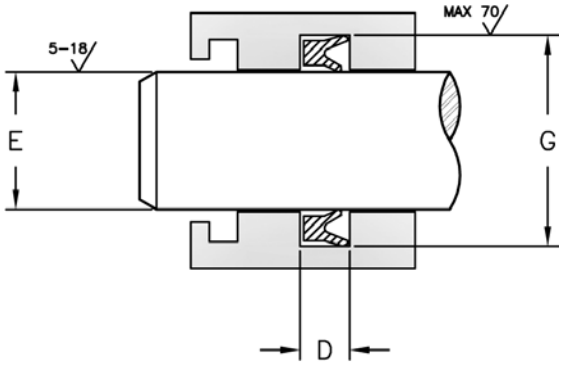
PART NUMBERS

RU 18 - 2.00 - 31 P

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200°F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

P= HIGH PERFORMANCE MATERIAL UP TO +275°F



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
3/16" C/S						
RU18-2.00-31P	2	2-3/8	5/16	.344 +.010 +.000	2.000 +.000 -.002	2.375 +.002 +.000
RU18-2.66-30	2.66	3.035	.3	.330 +.010 +.000	2.660 +.000 -.002	3.035 +.002 +.000
1/4" C/S						
RU25-1.50-37	1-1/2	2	3/8	.413 +.010 +.000	1.500 +.000 -.002	2.000 +.003 +.000
RU25-1.75-37	1-3/4	2-1/4	3/8	.413 +.010 +.000	1.750 +.000 -.002	2.250 +.003 +.000
RU25-1.75-50	1-3/4	2-1/4	1/2	.550 +.010 +.000	1.750 +.000 -.002	2.250 +.003 +.000
RU25-2.00-37	2	2-1/2	3/8	.413 +.010 +.000	2.000 +.000 -.002	2.500 +.003 +.000
RU25-2.50-37	2-1/2	3	3/8	.413 +.010 +.000	2.500 +.000 -.002	3.000 +.003 +.000
RU25-3.00-37	3	3-1/2	3/8	.413 +.010 +.000	3.000 +.000 -.002	3.500 +.003 +.000
5/16" C/S						
RU31-2.62-62	2-5/8	3-1/4	5/8	.688 +.010 +.000	2.625 +.000 -.002	3.250 +.004 +.000
RU31-3.37-50	3-3/8	4	1/2	.550 +.010 +.000	3.375 +.000 -.002	4.000 +.004 +.000
RU31-3.75-62	3-3/4	4-3/8	5/8	.688 +.010 +.000	3.750 +.000 -.002	4.375 +.004 +.000
RU31-4.62-62	4-5/8	5-1/4	5/8	.688 +.010 +.000	4.625 +.000 -.002	5.250 +.004 +.000
RU31-5.75-62	5-3/4	6-3/8	5/8	.688 +.010 +.000	5.750 +.000 -.002	6.375 +.004 +.000
RU31-6.75-62	6-3/4	7-3/8	5/8	.688 +.010 +.000	6.750 +.000 -.002	7.375 +.004 +.000

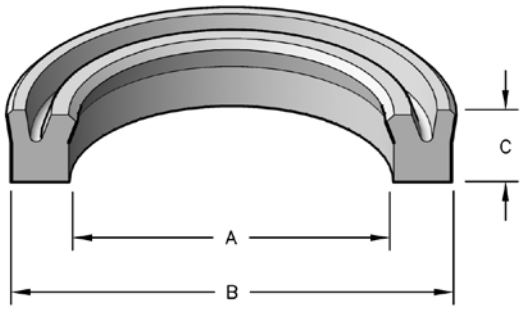
STYLE RU URETHANE ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
3/16" C/S						
RU18-2.00-31P	2	2-3/8	5/16	.344 +.010 +.000	2.000 +.000 -.002	2.375 +.002 +.000
RU18-2.66-30	2.66	3.035	.3	.330 +.010 +.000	2.660 +.000 -.002	3.035 +.002 +.000
1/4" C/S						
RU25-1.50-37	1-1/2	2	3/8	.413 +.010 +.000	1.500 +.000 -.002	2.000 +.003 +.000
RU25-1.75-37	1-3/4	2-1/4	3/8	.413 +.010 +.000	1.750 +.000 -.002	2.250 +.003 +.000
RU25-1.75-50	1-3/4	2-1/4	1/2	.550 +.010 +.000	1.750 +.000 -.002	2.250 +.003 +.000
RU25-2.00-37	2	2-1/2	3/8	.413 +.010 +.000	2.000 +.000 -.002	2.500 +.003 +.000
RU25-2.50-37	2-1/2	3	3/8	.413 +.010 +.000	2.500 +.000 -.002	3.000 +.003 +.000
RU25-3.00-37	3	3-1/2	3/8	.413 +.010 +.000	3.000 +.000 -.002	3.500 +.003 +.000
5/16" C/S						
RU31-2.62-62	2-5/8	3-1/4	5/8	.688 +.010 +.000	2.625 +.000 -.002	3.250 +.004 +.000
RU31-3.37-50	3-3/8	4	1/2	.550 +.010 +.000	3.375 +.000 -.002	4.000 +.004 +.000
RU31-3.75-62	3-3/4	4-3/8	5/8	.688 +.010 +.000	3.750 +.000 -.002	4.375 +.004 +.000
RU31-4.62-62	4-5/8	5-1/4	5/8	.688 +.010 +.000	4.625 +.000 -.002	5.250 +.004 +.000
RU31-5.75-62	5-3/4	6-3/8	5/8	.688 +.010 +.000	5.750 +.000 -.002	6.375 +.004 +.000
RU31-6.75-62	6-3/4	7-3/8	5/8	.688 +.010 +.000	6.750 +.000 -.002	7.375 +.004 +.000

Seal color may vary.

STYLE DRU HEAVY DUTY ROD U-SEALS

These seals are specifically designed to seal on their inside diameter and engineered to attain maximum life and reliability in dynamic rod sealing.

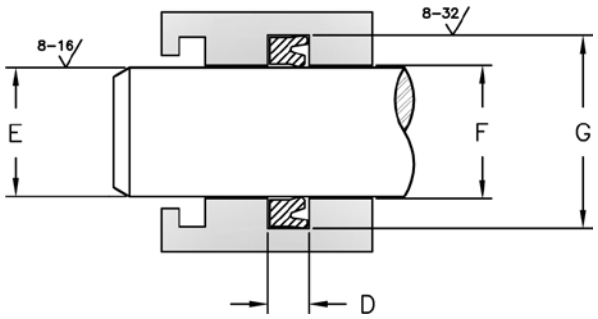


PART NUMBERS

DRU 12 - 0.62 - 18

Type of Seal	Cross Section	Inside Diameter	Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +230° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
1/8" C/S							
DRU12-0.62-18	5/8	7/8	3/16	.218 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	.875 +.005 +.000
DRU12-0.75-12	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000
DRU12-0.75-25	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000
DRU12-0.87-12	7/8	1-1/8	1/8	.156 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.125 +.005 +.000
DRU12-1.00-12	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000
DRU12-1.00-18	1	1-1/4	3/16	.218 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000
3/16" C/S							
DRU18-0.87-18	7/8	1-1/4	3/16	.218 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.250 +.005 +.000
DRU18-0.87-25	7/8	1-1/4	1/4	.281 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.250 +.005 +.000
DRU18-1.12-31	1-1/8	1-1/2	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.500 +.007 +.000
DRU18-1.12-37	1-1/8	1-1/2	3/8	.406 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.500 +.007 +.000
DRU18-1.75-25	1-3/4	2-1/8	1/4	.281 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.008 +.000
DRU18-1.87-31	1-7/8	2-1/4	5/16	.343 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.250 +.008 +.000
DRU18-2.00-25	2	2-3/8	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.375 +.008 +.000
DRU18-2.25-31	2-1/4	2-5/8	5/16	.343 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.625 +.008 +.000

STYLE DRU HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
DRU18-2.50-31	2-1/2	2-7/8	5/16	.343 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	2.875 +.008 +.000
1/4" C/S							
DRU25-0.93-37	15/16	1-7/16	3/8	.406 +.015 +.000	.937 +.000 -.003	.938 +.003 +.000	1.438 +.005 +.000
DRU25-1.00-25	1	1-1/2	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000
DRU25-1.12-25	1-1/8	1-5/8	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.625 +.007 +.000
DRU25-1.25-25	1-1/4	1-3/4	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000
DRU25-1.25-31	1-1/4	1-3/4	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000
DRU25-1.50-31	1-1/2	2	5/16	.343 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000
DRU25-1.62-31	1-5/8	2-1/8	5/16	.343 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.125 +.008 +.000
DRU25-1.87-37	1-7/8	2-3/8	3/8	.406 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.375 +.008 +.000
DRU25-2.00-25	2	2-1/2	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000
DRU25-2.00-31	2	2-1/2	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000
DRU25-2.12-37	2-1/8	2-5/8	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.625 +.008 +.000
DRU25-2.37-37	2-3/8	2-7/8	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	2.875 +.008 +.000
DRU25-2.50-25	2-1/2	3	1/4	.281 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000
DRU25-2.50-31	2-1/2	3	5/16	.343 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000
DRU25-2.62-37	2-5/8	3-1/8	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.125 +.008 +.000
DRU25-3.00-37	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.500 +.009 +.000
DRU25-3.37-37	3-3/8	3-7/8	3/8	.406 +.015 +.000	3.375 +.000 -.004	3.376 +.004 +.000	3.875 +.009 +.000
DRU25-3.50-37	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.000 +.009 +.000
DRU25-3.75-59	3-3/4	4-1/4	19/32	.620 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.250 +.009 +.000
DRU25-4.00-25	4	4-1/2	1/4	.281 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.500 +.009 +.000
DRU25-4.00-56	4	4-1/2	9/16	.594 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.500 +.009 +.000
DRU25-4.25-56	4-1/4	4-3/4	9/16	.594 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	4.750 +.009 +.000
DRU25-4.50-56	4-1/2	5	9/16	.594 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.000 +.010 +.000
DRU25-5.00-56	5	5-1/2	9/16	.594 +.015 +.000	5.000 +.000 -.004	5.001 +.004 +.000	5.500 +.010 +.000
DRU25-5.25-59	5-1/4	5-3/4	19/32	.620 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	5.750 +.010 +.000
DRU25-6.75-59	6-3/4	7-1/4	19/32	.620 +.015 +.000	6.750 +.000 -.004	6.751 +.004 +.000	7.250 +.011 +.000
.3" C/S							
DRU30-5.00-37	5	5.6	3/8	.406 +.015 +.000	5.000 +.000 -.004	5.001 +.004 +.000	5.600 +.010 +.000
5/16" C/S							
DRU31-1.37-37	1-3/8	2	3/8	.406 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	2.000 +.008 +.000
DRU31-2.00-37	2	2-5/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.625 +.008 +.000
DRU31-2.25-37	2-1/4	2-7/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000

STYLE DRU HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
DRU31-2.25-50	2-1/4	2-7/8	1/2	.531 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000
DRU31-2.37-37	2-3/8	3	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	3.000 +.008 +.000
DRU31-2.37-50	2-3/8	3	1/2	.531 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	3.000 +.008 +.000
DRU31-2.75-37	2-3/4	3-3/8	3/8	.406 +.015 +.000	2.750 +.000 -.003	2.751 +.004 +.000	3.375 +.009 +.000
DRU31-3.00-37	3	3-5/8	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.625 +.009 +.000
DRU31-3.25-50	3-1/4	3-7/8	1/2	.531 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	3.875 +.009 +.000
DRU31-3.37-50	3-3/8	4	1/2	.531 +.015 +.000	3.375 +.000 -.004	3.376 +.004 +.000	4.000 +.009 +.000
DRU31-4.00-50	4	4-5/8	1/2	.531 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.625 +.009 +.000
DRU31-4.50-37	4-1/2	5-1/8	3/8	.406 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.125 +.010 +.000
DRU31-5.50-37	5-1/2	6-1/8	3/8	.406 +.015 +.000	5.500 +.000 -.004	5.501 +.004 +.000	6.125 +.010 +.000
3/8" C/S							
DRU37-2.00-37	2	2-3/4	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.750 +.008 +.000
DRU37-2.00-50	2	2-3/4	1/2	.531 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.750 +.008 +.000
DRU37-3.00-37	3	3-3/4	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000
DRU37-3.00-62	3	3-3/4	5/8	.656 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000
DRU37-3.50-37	3-1/2	4-1/4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.250 +.009 +.000
DRU37-3.50-50	3-1/2	4-1/4	1/2	.531 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.250 +.009 +.000
DRU37-3.62-37	3-5/8	4-3/8	3/8	.406 +.015 +.000	3.625 +.000 -.004	3.626 +.004 +.000	4.375 +.009 +.000
DRU37-4.00-37	4	4-3/4	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000
DRU37-4.00-50	4	4-3/4	1/2	.531 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000
DRU37-4.00-62	4	4-3/4	5/8	.656 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000
DRU37-4.25-50	4-1/4	5	1/2	.531 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	5.000 +.010 +.000
DRU37-4.25-62	4-1/4	5	5/8	.656 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	5.000 +.010 +.000
DRU37-4.37-50	4-3/8	5-1/8	1/2	.531 +.015 +.000	4.375 +.000 -.004	4.376 +.004 +.000	5.125 +.010 +.000
DRU37-4.50-50	4-1/2	5-1/4	1/2	.531 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.250 +.010 +.000
DRU37-4.50-62	4-1/2	5-1/4	5/8	.656 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.250 +.010 +.000
DRU37-4.75-37	4-3/4	5-1/2	3/8	.406 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.500 +.010 +.000
DRU37-4.87-50	4-7/8	5-5/8	1/2	.531 +.015 +.000	4.875 +.000 -.004	4.876 +.004 +.000	5.625 +.010 +.000
DRU37-5.25-62	5-1/4	6	5/8	.656 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	6.000 +.010 +.000
DRU37-5.75-62	5-3/4	6-1/2	5/8	.656 +.015 +.000	5.750 +.000 -.004	5.751 +.004 +.000	6.500 +.010 +.000
DRU37-6.00-62	6	6-3/4	5/8	.656 +.015 +.000	6.000 +.000 -.004	6.001 +.004 +.000	6.750 +.010 +.000
DRU37-6.50-50	6-1/2	7-1/4	1/2	.531 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.250 +.011 +.000
DRU37-6.50-62	6-1/2	7-1/4	5/8	.656 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.250 +.011 +.000

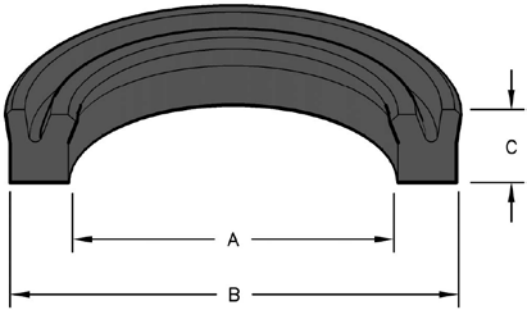
STYLE DRU HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
DRU37-7.00-50	7	7-3/4	1/2	.531 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	7.750 +.011 +.000
DRU37-7.00-62	7	7-3/4	5/8	.656 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	7.750 +.011 +.000
7/16" C/S							
DRU43-4.50-48	4-1/2	5-3/8	.49	.531 +.015 +.000	4.500 +.000 -.002	4.501 +.004 +.000	5.375 +.009 +.000
1/2" C/S							
DRU50-5.00-75	5	6	3/4	.781 +.015 +.000	5.000 +.000 -.004	5.001 +.004 +.000	6.000 +.010 +.000
DRU50-7.00-69	7	8	11/16	.720 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	8.000 +.011 +.000
DRU50-7.00-75	7	8	3/4	.781 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	8.000 +.011 +.000
DRU50-9.00-62	9	10	5/8	.656 +.015 +.000	9.000 +.000 -.005	9.001 +.004 +.000	10.000 +.012 +.000
DRU50-9.00-75	9	10	3/4	.781 +.015 +.000	9.000 +.000 -.005	9.001 +.004 +.000	10.000 +.012 +.000
DRU50-10.00-62	10	11	5/8	.656 +.015 +.000	10.000 +.000 -.006	10.001 +.004 +.000	11.000 +.012 +.000
DRU50-12.00-75	12	13	3/4	.781 +.015 +.000	12.000 +.000 -.006	12.001 +.004 +.000	13.000 +.012 +.000

Seal color may vary.

STYLE DRU-BHT HEAVY DUTY ROD U-SEALS

Style DRU-BHT rod seals are molded in Freudenberg® AU 30000 urethane. These seals are specifically designed to seal on their inside diameter and engineered to attain maximum life and reliability in dynamic rod sealing. This high tear-resistant urethane demonstrates stability throughout a wide range of temperatures. In addition, this material is well suited to mineral and biodegradable hydraulic fluids as well as being resistant to hydrolysis.

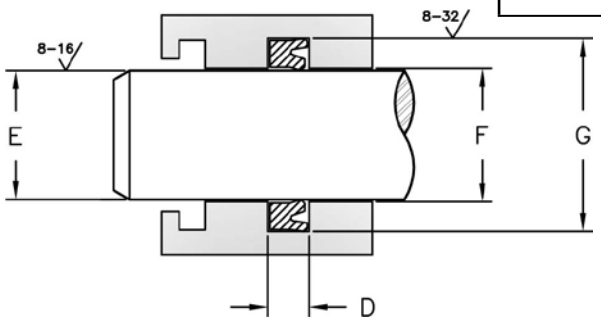


PART NUMBERS

DRU 12 - 0.62 - 18 BHT

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-31°F TO 250°F
PRESSURE RANGE	0 TO 7250 PSI
SPEED	1.5 FT/SEC



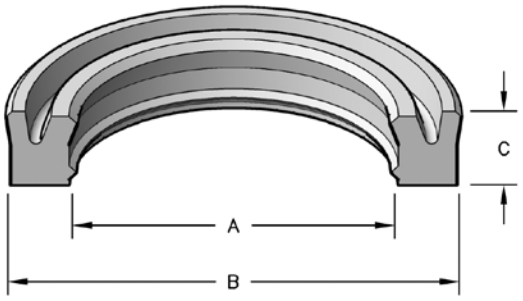
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
1/8" C/S							
DRU12-0.62-18-BHT	5/8	7/8	3/16	.218 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	.875 +.005 +.000
DRU12-0.75-12-BHT	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000
DRU12-0.75-25-BHT	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000
DRU12-0.87-12-BHT	7/8	1-1/8	1/8	.156 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.125 +.005 +.000
DRU12-1.00-12-BHT	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000
DRU12-1.00-18-BHT	1	1-1/4	3/16	.218 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000
3/16" C/S							
DRU18-1.50-25-BHT	1-1/2	1-7/8	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000
DRU18-1.75-25-BHT	1-3/4	2-1/8	1/4	.281 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.008 +.000
DRU18-1.75-26-BHT	1-3/4	2-1/8	.265	.281 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.007 +.000
DRU18-1.87-31-BHT	1-7/8	2-1/4	5/16	.343 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.250 +.008 +.000
1/4" C/S							
DRU25-1.00-25-BHT	1	1-1/2	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000
DRU25-1.25-25-BHT	1-1/4	1-3/4	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000
DRU25-1.87-37-BHT	1-7/8	2-3/8	3/8	.406 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.375 +.008 +.000

STYLE DRU-BHT HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
DRU25-2.00-31-BHT	2	2-1/2	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000
DRU25-2.12-37-BHT	2-1/8	2-5/8	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.625 +.008 +.000
DRU25-2.50-32-BHT	2-1/2	3	.327	.343 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000
DRU25-2.62-37-BHT	2-5/8	3-1/8	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.125 +.008 +.000
DRU25-3.00-37-BHT	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.500 +.009 +.000
DRU25-3.25-37-BHT	3-1/4	3-3/4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	3.750 +.009 +.000
DRU25-3.50-37-BHT	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.000 +.009 +.000
5/16" C/S							
DRU31-2.25-37-BHT	2-1/4	2-7/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000
DRU31-4.00-37-BHT	4	4-5/8	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.625 +.009 +.000
3/8" C/S							
DRU37-2.00-37-BHT	2	2-3/4	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.750 +.008 +.000
DRU37-3.00-37-BHT	3	3-3/4	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000

STYLE DRTU HEAVY DUTY ROD U-SEALS

These seals are specifically designed with a second lip on their inside diameter and engineered to attain maximum life and reliability in dynamic rod sealing. This feature results in reduced leakage, less friction, increased stability, and prevents air and contaminants from entering the cylinder.

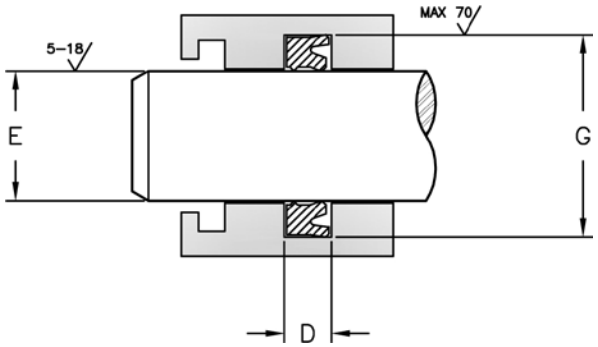


PART NUMBERS

DRTU 12 - 0.62 - 18

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +230° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC



MAXIMUM EXTRUSION GAP				
PRESSURE	1000 PSI	3000 PSI	5000 PSI	6000 PSI
MAX DIAM. GAP	0.032"	0.015"	0.012"	0.009"

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
DRTU12-0.62-18	5/8	7/8	3/16	.218 +.015 +.000	.625 +.000 -.002	.875 +.005 +.000
DRTU12-0.75-25	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	1.000 +.005 +.000
DRTU12-1.00-25	1	1-1/4	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.250 +.005 +.000
3/16" C/S						
DRTU18-0.75-25	3/4	1-1/8	1/4	.281 +.015 +.000	.750 +.000 -.003	1.125 +.005 +.000
DRTU18-0.75-31	3/4	1-1/8	5/16	.343 +.015 +.000	.750 +.000 -.003	1.125 +.005 +.000
DRTU18-1.00-31	1	1-3/8	5/16	.343 +.015 +.000	1.000 +.000 -.003	1.375 +.005 +.000
DRTU18-1.12-25	1-1/8	1-1/2	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000
DRTU18-1.12-31	1-1/8	1-1/2	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000
DRTU18-1.25-31	1-1/4	1-5/8	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.625 +.007 +.000

STYLE DRTU HEAVY DUTY ROD U-SEALS

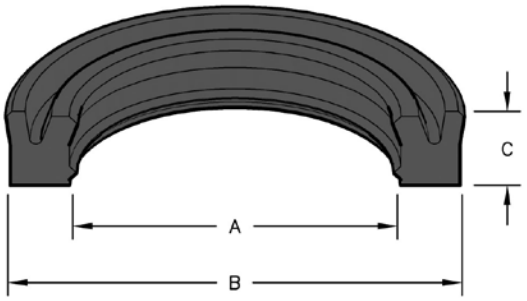
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DRTU18-1.25-37	1-1/4	1-5/8	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.625 +.007 +.000
DRTU18-1.37-31	1-3/8	1-3/4	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.750 +.007 +.000
DRTU18-1.50-25	1-1/2	1-7/8	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.50-31	1-1/2	1-7/8	5/16	.343 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.50-37	1-1/2	1-7/8	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.62-37	1-5/8	2	3/8	.406 +.015 +.000	1.625 +.000 -.003	2.000 +.008 +.000
DRTU18-1.75-25	1-3/4	2-1/8	1/4	.281 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-1.75-31	1-3/4	2-1/8	5/16	.343 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-1.75-37	1-3/4	2-1/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-1.87-37	1-7/8	2-1/4	3/8	.406 +.015 +.000	1.875 +.000 -.003	2.250 +.008 +.000
DRTU18-2.00-25	2	2-3/8	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DRTU18-2.00-31	2	2-3/8	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DRTU18-2.00-37	2	2-3/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DRTU18-2.25-37	2-1/4	2-5/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.625 +.008 +.000
DRTU18-2.50-37	2-1/2	2-7/8	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.875 +.008 +.000
.2185" C/S						
DRTU21-2.50-37	2-1/2	2.937	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.937 +.008 +.000
7/32" C/S						
DRTU21-2.50-28	2-1/2	2.937	9/32	.312 +.015 +.000	2.500 +.000 -.003	2.937 +.008 +.000
DRTU21-3.00-28	3	3-7/16	9/32	.312 +.015 +.000	3.000 +.000 -.004	3.4375 +.009 +.000
1/4" C/S						
DRTU25-1.00-37	1	1-1/2	3/8	.406 +.015 +.000	1.000 +.000 -.003	1.500 +.007 +.000
DRTU25-1.25-37	1-1/4	1-3/4	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.750 +.007 +.000
DRTU25-1.37-37	1-3/8	1-7/8	3/8	.406 +.015 +.000	1.375 +.000 -.003	1.875 +.007 +.000
DRTU25-1.50-37	1-1/2	2	3/8	.406 +.015 +.000	1.500 +.000 -.003	2.000 +.008 +.000
DRTU25-1.75-31	1-3/4	2-1/4	5/16	.343 +.015 +.000	1.750 +.000 -.003	2.250 +.008 +.000
DRTU25-1.75-37	1-3/4	2-1/4	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.250 +.008 +.000
DRTU25-2.00-37	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.500 +.008 +.000
DRTU25-2.25-37	2-1/4	2-3/4	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.750 +.008 +.000
DRTU25-2.37-37	2-3/8	2-7/8	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.875 +.008 +.000
DRTU25-2.50-37	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	3.000 +.008 +.000
DRTU25-2.75-37	2-3/4	3-1/4	3/8	.406 +.015 +.000	2.750 +.000 -.003	3.250 +.009 +.000
DRTU25-3.00-37	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.500 +.009 +.000
DRTU25-3.25-31	3-1/4	3-3/4	5/16	.343 +.015 +.000	3.250 +.000 -.004	3.750 +.009 +.000

STYLE DRTU HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DRTU25-3.25-37	3-1/4	3-3/4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.750 +.009 +.000
DRTU25-3.50-31	3-1/2	4	5/16	.343 +.015 +.000	3.500 +.000 -.004	4.000 +.009 +.000
DRTU25-3.50-37	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	4.000 +.009 +.000
DRTU25-3.75-37	3-3/4	4-1/4	3/8	.406 +.015 +.000	3.750 +.000 -.004	4.250 +.009 +.000
DRTU25-4.00-31	4	4-1/2	5/16	.343 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
DRTU25-4.00-37	4	4-1/2	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
DRTU25-4.50-31	4-1/2	5	5/16	.343 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000
DRTU25-4.50-56	4-1/2	5	9/16	.593 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000
DRTU25-4.75-56	4-3/4	5-1/4	9/16	.593 +.015 +.000	4.750 +.000 -.004	5.250 +.010 +.000
DRTU25-5.50-56	5-1/2	6	9/16	.593 +.015 +.000	5.500 +.000 -.004	6.000 +.010 +.000
5/16" C/S						
DRTU31-1.75-37	1-3/4	2-3/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.375 +.008 +.000
DRTU31-1.75-50	1-3/4	2-3/8	1/2	.531 +.015 +.000	1.750 +.000 -.003	2.375 +.008 +.000
DRTU31-2.00-50	2	2-5/8	1/2	.531 +.015 +.000	2.000 +.000 -.003	2.625 +.008 +.000
DRTU31-2.50-50	2-1/2	3-1/8	1/2	.531 +.015 +.000	2.500 +.000 -.003	3.125 +.008 +.000
DRTU31-2.75-50	2-3/4	3-3/8	1/2	.531 +.015 +.000	2.750 +.000 -.003	3.375 +.009 +.000
DRTU31-3.00-50	3	3-5/8	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.625 +.009 +.000
DRTU31-4.00-37	4	4-5/8	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.625 +.009 +.000
DRTU31-5.50-37	5-1/2	6-1/8	3/8	.406 +.015 +.000	5.500 +.000 -.004	6.125 +.015 +.000
DRTU31-7.00-37	7	7-5/8	3/8	.406 +.015 +.000	7.000 +.000 -.005	7.625 +.011 +.000
3/8" C/S						
DRTU37-2.75-62	2-3/4	3-1/2	5/8	.656 +.015 +.000	2.750 +.000 -.003	3.500 +.009 +.000
DRTU37-3.00-50	3	3-3/4	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.750 +.009 +.000
DRTU37-3.50-62	3-1/2	4-1/4	5/8	.656 +.015 +.000	3.500 +.000 -.004	4.250 +.009 +.000
DRTU37-4.00-62	4	4-3/4	5/8	.656 +.015 +.000	4.000 +.000 -.004	4.750 +.009 +.000
DRTU37-4.50-62	4-1/2	5-1/4	5/8	.656 +.015 +.000	4.500 +.000 -.004	5.250 +.010 +.000
DRTU37-4.75-62	4-3/4	5-1/2	5/8	.656 +.015 +.000	4.750 +.000 -.004	5.500 +.010 +.000
DRTU37-5.00-62	5	5-3/4	5/8	.656 +.015 +.000	5.000 +.000 -.004	5.750 +.010 +.000

STYLE DRTU-BHT HEAVY DUTY ROD U-SEALS

Style DRTU-BHT rod seals are molded in Freudenberg® AU 30000 urethane. These seals are specifically designed with a second lip on their inside diameter and engineered to attain maximum life and reliability in dynamic rod sealing. This feature results in reduced leakage, less friction, increased stability, and prevents air and contaminants from entering the cylinder. This high tear-resistant urethane demonstrates stability throughout a wide range of temperatures. In addition, this material is well suited to mineral and biodegradable hydraulic fluids as well as being resistant to hydrolysis.

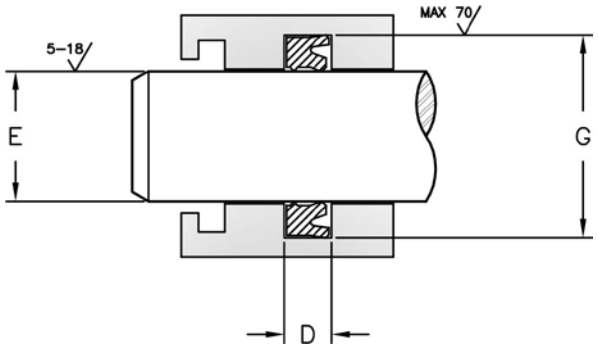


PART NUMBERS

DRTU 12 - 0.75 - 25 BHT

Type of Seal	Cross Section	Inside Diameter	Height

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-31°F TO 250°F
PRESSURE RANGE	0 TO 7250 PSI
SPEED	1.5 FT/SEC



MAXIMUM EXTRUSION GAP				
PRESSURE	1000 PSI	3000 PSI	5000 PSI	6000 PSI
MAX DIAM. GAP	0.032"	0.015"	0.012"	0.009"

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
DRTU12-0.75-25-BHT	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	1.000 +.005 +.000
DRTU12-1.00-25-BHT	1	1-1/4	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.250 +.005 +.000
3/16" C/S						
DRTU18-1.00-31-BHT	1	1-3/8	5/16	.343 +.015 +.000	1.000 +.000 -.003	1.375 +.005 +.000
DRTU18-1.12-25-BHT	1-1/8	1-1/2	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000
DRTU18-1.12-31-BHT	1-1/8	1-1/2	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000

STYLE DRTU-BHT HEAVY DUTY ROD U-SEALS

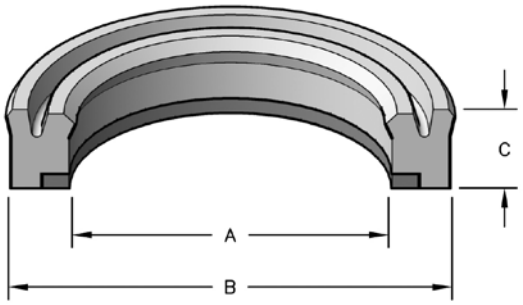
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DRTU18-1.25-31-BHT	1-1/4	1-5/8	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.625 +.007 +.000
DRTU18-1.37-31-BHT	1-3/8	1-3/4	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.750 +.007 +.000
DRTU18-1.50-25-BHT	1-1/2	1-7/8	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.50-31-BHT	1-1/2	1-7/8	5/16	.343 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.50-37-BHT	1-1/2	1-7/8	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.875 +.007 +.000
DRTU18-1.62-37-BHT	1-5/8	2	3/8	.406 +.015 +.000	1.625 +.000 -.003	2.000 +.008 +.000
DRTU18-1.75-25-BHT	1-3/4	2-1/8	1/4	.281 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-1.75-31-BHT	1-3/4	2-1/8	5/16	.343 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-1.75-37-BHT	1-3/4	2-1/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DRTU18-2.00-31-BHT	2	2-3/8	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DRTU18-2.00-37-BHT	2	2-3/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DRTU18-2.25-37-BHT	2-1/4	2-5/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.625 +.008 +.000
DRTU18-2.50-37-BHT	2-1/2	2-7/8	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.875 +.008 +.000
1/4" C/S						
DRTU25-1.25-37-BHT	1-1/4	1-3/4	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.750 +.007 +.000
DRTU25-1.50-37-BHT	1-1/2	2	.37	.406 +.015 +.000	1.500 +.000 -.003	2.000 +.008 +.000
DRTU25-1.75-37-BHT	1-3/4	2-1/4	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.250 +.008 +.000
DRTU25-2.00-37-BHT	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.500 +.008 +.000
DRTU25-2.25-37-BHT	2-1/4	2-3/4	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.750 +.008 +.000
DRTU25-2.37-37-BHT	2-3/8	2-7/8	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.875 +.008 +.000
DRTU25-2.50-37-BHT	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	3.000 +.008 +.000
DRTU25-2.75-37-BHT	2-3/4	3-1/4	3/8	.406 +.015 +.000	2.750 +.000 -.003	3.250 +.009 +.000
DRTU25-3.00-37-BHT	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.500 +.009 +.000
DRTU25-3.25-37-BHT	3-1/4	3-3/4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.750 +.009 +.000
DRTU25-3.50-37-BHT	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	4.000 +.009 +.000
DRTU25-4.00-37-BHT	4	4-1/2	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
5/16" C/S						
DRTU31-1.75-37-BHT	1-3/4	2-3/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.375 +.008 +.000
DRTU31-2.50-50-BHT	2-1/2	3-1/8	1/2	.531 +.015 +.000	2.500 +.000 -.003	3.125 +.008 +.000
DRTU31-2.75-50-BHT	2-3/4	3-3/8	1/2	.531 +.015 +.000	2.750 +.000 -.003	3.375 +.009 +.000
DRTU31-3.00-50-BHT	3	3-5/8	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.625 +.009 +.000
3/8" C/S						
DRTU37-3.00-50-BHT	3	3-3/4	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.750 +.009 +.000
DRTU37-3.50-62-BHT	3-1/2	4-1/4	5/8	.656 +.015 +.000	3.500 +.000 -.004	4.250 +.009 +.000

STYLE DRTU-BHT HEAVY DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
DRTU12-0.75-25-BHT	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	1.000 +.005 +.000
DRTU12-1.00-25-BHT	1	1-1/4	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.250 +.005 +.000
3/16" C/S						
DRTU18-1.00-31-BHT	1	1-3/8	5/16	.343 +.015 +.000	1.000 +.000 -.003	1.375 +.005 +.000
DRTU18-1.12-25-BHT	1-1/8	1-1/2	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000
DRTU18-1.12-31-BHT	1-1/8	1-1/2	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.500 +.007 +.000

STYLE DRUB HEAVY DUTY ROD U-SEALS

These seals are specifically designed to seal on their inside diameter and engineered to attain maximum life and reliability in dynamic rod sealing. They employ a hard plastic ID back-up ring to reduce the possibility of extrusion.

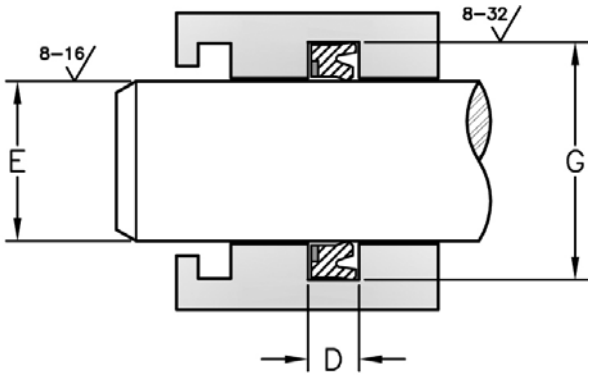


PART NUMBERS

DRUB 25 - 2.37 - 37

Type of Seal | Cross Section | Inside Diameter | Height

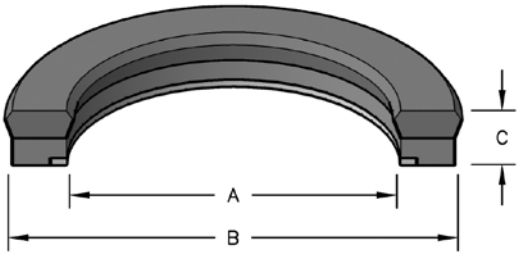
SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/4" C/S						
DRUB25-2.37-37	2-3/8	2-7/8	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.875 +.008 +.000
DRUB25-2.50-37	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	3.000 +.008 +.000
3/8" C/S						
DRUB37-5.75-62	5-3/4	6-1/2	5/8	.656 +.015 +.000	5.750 +.000 -.004	6.500 +.010 +.000
DRTUB37-6.50-45	6-1/2	7-1/4	.45	.540 +.015 +.000	6.500 +.000 -.003	7.250 +.003 +.000

STYLE UFN-EI ROD SEALS W / BACK-UP RINGS

Incorporating a rubber seal lip, a rubberized fabric heel, and an acetal back-up ring, this seal provides excellent sealability and high extrusion resistance.

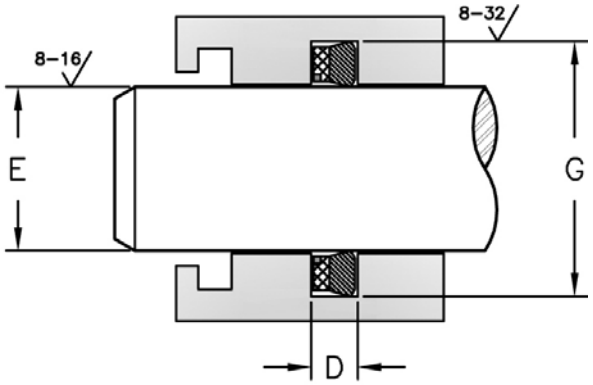


PART NUMBERS

UFN 12 - 1.00 - 18 EI

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	RUBBER, FABRIC, ACETAL
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,800 PSI
SPEED	1.5 FT/SEC



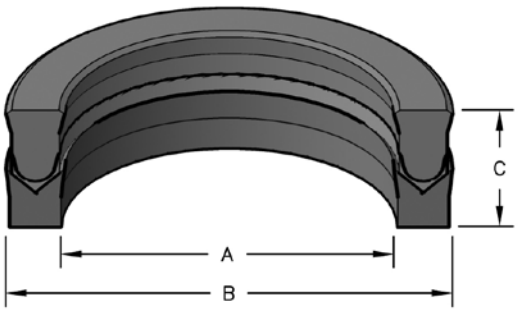
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
UFN12-1.00-18EI	1	1-1/4	3/16	.202 +.010 +.000	1.000 -.001 -.002	1.250 ±.003
UFN12-1.12-18EI	1-1/8	1-3/8	3/16	.202 +.010 +.000	1.125 -.001 -.002	1.375 ±.003
5/32" C/S						
UFN15-2.00-25EI	2	2-5/16	1/4	.265 +.010 +.000	2.000 -.001 -.003	2.312 ±.004
3/16" C/S						
UFN18-0.62-28EI	5/8	1	9/32	.296 +.010 +.000	.625 -.001 -.002	1.000 ±.003
UFN18-0.75-31EI	3/4	1-1/8	5/16	.327 +.010 +.000	.750 -.001 -.002	1.125 ±.003
UFN18-1.00-25EI	1	1-3/8	1/4	.265 +.010 +.000	1.000 -.001 -.002	1.375 ±.003
UFN18-1.25-25EI	1-1/4	1-5/8	1/4	.265 +.010 +.000	1.250 -.001 -.003	1.625 ±.003
UFN18-1.25-28EI	1-1/4	1-5/8	9/32	.296 +.010 +.000	1.250 -.001 -.003	1.625 ±.003
UFN18-1.37-28EI	1-3/8	1-3/4	9/32	.296 +.010 +.000	1.375 -.001 -.003	1.750 ±.003
UFN18-1.50-25EI	1-1/2	1-7/8	1/4	.265 +.010 +.000	1.500 -.001 -.003	1.875 ±.003
UFN18-1.50-28EI	1-1/2	1-7/8	9/32	.296 +.010 +.000	1.500 -.001 -.003	1.875 ±.003
UFN18-1.75-28EI	1-3/4	2-1/8	9/32	.296 +.010 +.000	1.750 -.001 -.003	2.125 ±.004

STYLE UFN-EI ROD SEALS W / BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
UFN18-1.75-30EI	1-3/4	2-1/8	5/16	.327 +.010 +.000	1.750 -.001 -.003	2.125 ±.004
UFN18-2.12-31EI	2-1/8	2-1/2	5/16	.327 +.010 +.000	2.125 -.001 -.003	2.500 ±.004
7/32" C/S						
UFN22-1.12-34EI	1-1/8	1-9/16	11/32	.358 +.010 +.000	1.125 -.001 -.002	1.562 ±.003
1/4" C/S						
UFN25-1.00-25EI	1	1-1/2	1/4	.265 +.010 +.000	1.000 -.001 -.002	1.500 ±.003
UFN25-1.00-37EI	1	1-1/2	3/8	.390 +.010 +.000	1.000 -.001 -.002	1.500 ±.003
UFN25-1.12-37EI	1-1/8	1-5/8	3/8	.390 +.010 +.000	1.125 -.001 -.002	1.625 ±.003
UFN25-1.25-37EI	1-1/4	1-3/4	3/8	.390 +.010 +.000	1.250 -.001 -.003	1.750 ±.003
UFN25-1.50-37EI	1-1/2	2	3/8	.390 +.010 +.000	1.500 -.001 -.003	2.000 ±.004
UFN25-1.50-46EI	1-1/2	2	15/32	.483 +.010 +.000	1.500 -.001 -.003	2.000 ±.004
UFN25-1.75-37EI	1-3/4	2-1/4	3/8	.390 +.010 +.000	1.750 -.001 -.003	2.250 ±.004
UFN25-2.00-37EI	2	2-1/2	3/8	.390 +.010 +.000	2.000 -.001 -.003	2.500 ±.004
UFN25-2.25-37EI	2-1/4	2-3/4	3/8	.390 +.010 +.000	2.250 -.001 -.003	2.750 ±.004
UFN25-2.50-31EI	2-1/2	3	5/16	.327 +.010 +.000	2.500 -.001 -.003	3.000 ±.004
UFN25-3.50-37EI	3-1/2	4	3/8	.390 +.010 +.000	3.500 -.001 -.004	4.000 ±.004
5/16" C/S						
UFN31-1.25-43EI	1-1/4	1-7/8	7/16	.452 +.010 +.000	1.250 -.001 -.003	1.875 ±.003
UFN31-1.50-43EI	1-1/2	2-1/8	7/16	.452 +.010 +.000	1.500 -.001 -.003	2.125 ±.004
UFN31-1.75-43EI	1-3/4	2-3/8	7/16	.452 +.010 +.000	1.750 -.001 -.003	2.375 ±.004
UFN31-2.00-43EI	2	2-5/8	7/16	.452 +.010 +.000	2.000 -.001 -.003	2.625 ±.004
3/8" C/S						
UFN37-2.50-56EI	2-1/2	3-1/4	9/16	.577 +.010 +.000	2.500 -.001 -.003	3.250 ±.004
UFN37-2.75-56EI	2-3/4	3-1/2	9/16	.577 +.010 +.000	2.750 -.001 -.003	3.500 ±.004
UFN37-3.00-56EI	3	3-3/4	9/16	.577 +.010 +.000	3.000 -.001 -.003	3.750 ±.004
UFN37-3.50-56EI	3-1/2	4-1/4	9/16	.577 +.010 +.000	3.500 -.001 -.004	4.250 ±.004

STYLE UFN-BR ROD U-SEALS W / HEADERS

This is a single acting rod seal designed for low and high pressure sealing and is commonly found in telescopic cylinders. The seal consists of a molded rubber sealing lip, rubberized fabric heel, and a polyester header for improved extrusion resistance.

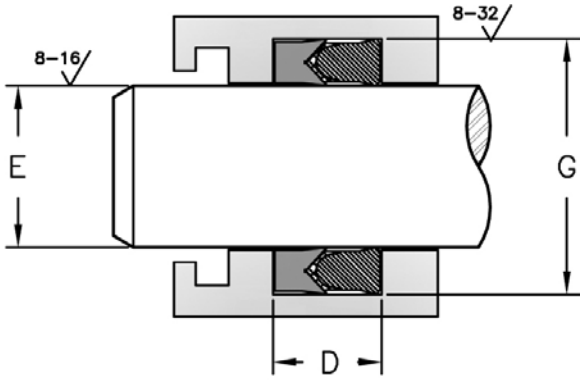


PART NUMBERS

UFN 22 - 2.75 - 75BR-L-F

Type of Seal | Cross Section | Inside Diameter | Height

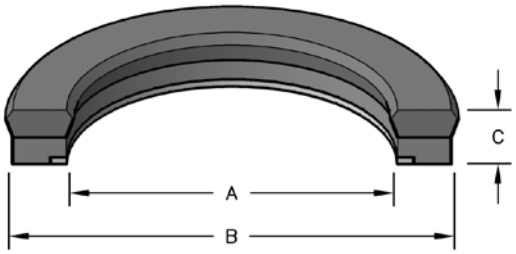
SEAL INFORMATION	
MATERIAL	RUBBER, FABRIC, POLYESTER ELASTOMER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	1.64 FPS @ 3600 PSI 0.49 FPS @ 5800 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
UFN22-2.75-75BR-L-F	2-3/4	3.2	3/4	.765 +.010 +.000	2.750 -.0012 -.0030	3.200 ±.003
UFN25-3.50-75BR-L-F	3-1/2	4.013	3/4	.765 +.010 +.000	3.500 -.0014 -.0035	4.013 ±.003
UFN25-4.37-75BR-L-F	4-3/8	4-7/8	3/4	.765 +.010 +.000	4.375 -.0014 -.0035	4.875 ±.003
UFN28-6.31-75BR-L-F	6.312	6-7/8	3/4	.765 +.010 +.000	6.312 -.0017 -.0042	6.875 ±.003
UFN32-7.31-75BR-L-F	7.312	7.954	3/4	.765 +.010 +.000	7.312 -.0020 -.0048	7.954 ±.003

STYLE UFN-EI-SAG ROD SEALS W / BACK-UP RINGS

This is a single acting rod seal designed for low and high pressure sealing and is commonly found in telescopic cylinders. The seal consists of a molded rubber sealing lip, rubberized fabic heel, and an acetal back-up ring for improved extrusion resistance.

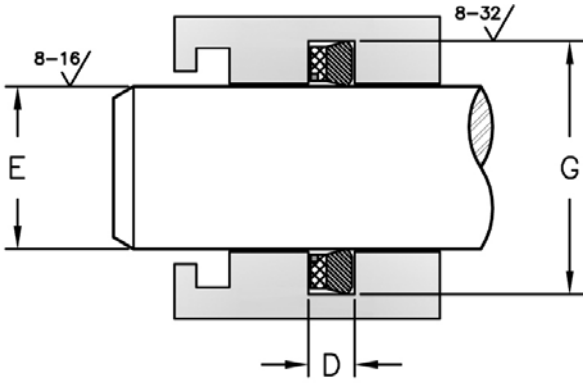


PART NUMBERS

UFN 21 - 2.00 - 41EI-SAG-F

Type of Seal | Cross Section | Inside Diameter | Height

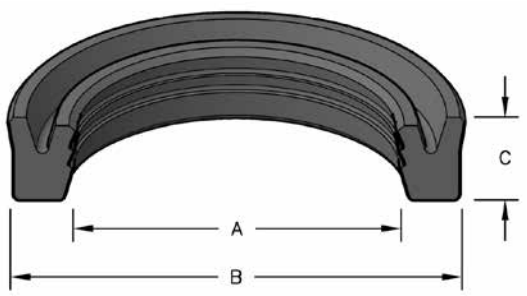
SEAL INFORMATION	
MATERIAL	RUBBER, FABRIC, ACETAL
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	1.64 FPS @ 3600 PSI 0.49 FPS @ 5800 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
UFN21-2.00-41EI-SAG-F	2	2-7/16	.406	.421 +.010 +.000	2.000 -.0012 -.0030	2.437 ±.0037
UFN21-2.75-41EI-SAG-F	2-3/4	3-3/16	.406	.421 +.010 +.000	2.750 -.0012 -.0030	3.187 ±.0043
UFN25-3.50-46EI-SAG-F	3-1/2	4	.468	.483 +.010 +.000	3.500 -.0014 -.0035	4.000 ±.0043
UFN25-4.37-46EI-SAG-F	4-3/8	4-7/8	.468	.483 +.010 +.000	4.375 -.0014 -.0035	4.875 ±.0049
UFN31-5.25-46EI-SAG-F	5-1/4	5-7/8	.468	.483 +.010 +.000	5.250 -.0017 -.0042	5.875 ±.0049

STYLE HMU POLYURETHANE U-SEALS

The HMU style multi-lip rod u-seal combines the pressure-compensating, uni-directional characteristics of a u-seal with the multi-lip sealing effectiveness of compression-type stacked-packings. Made from premium materials, the HMU utilizes several sealing lip edges for dry rod performance while minimizing friction. The multi-lip design maintains a critical sealing edge even though increasing pressure moves the line of contact down toward the heel.

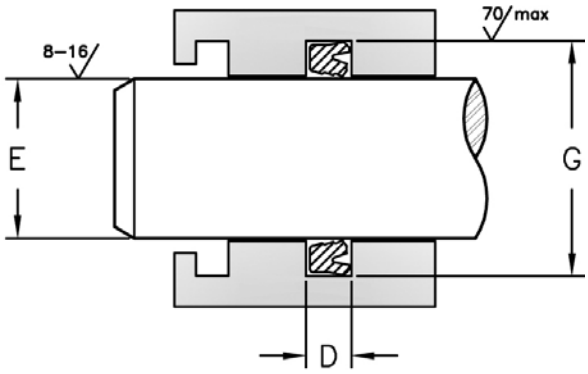


PART NUMBERS

HMU 12 - 0.50 - 21U

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
HMU12-0.50-21U	1/2	3/4	.209	.230 +.015 +.000	.500 -.001 -.002	.750 +.002 +.000
HMU12-0.62-17U	5/8	7/8	.17	.1875 +.016 -.001	.625 -.001 -.002	.875 +.002 +.000
HMU12-0.62-21U	5/8	7/8	.209	.230 +.015 +.000	.625 -.001 -.002	.875 +.002 +.000
HMU12-1.00-25U	1	1-1/4	1/4	.275 +.015 +.000	1.000 -.001 -.002	1.250 +.002 +.000
5/32" C/S						
HMU15-1.00-21U	1	1-5/16	.232	.250 +.015 +.000	1.000 -.001 -.002	1.313 +.002 +.000
HMU15-1.00-24U	1	1-5/16	.24	.250 +.015 +.000	1.000 -.001 -.002	1.312 +.002 +.000
HMU15-1.37-24U	1-3/8	1-11/16	.232	.250 +.015 +.000	1.375 -.001 -.003	1.688 +.002 +.000
3/16" C/S						
HMU18-1.37-31U	1-3/8	1-3/4	.313	.344 +.015 +.000	1.375 -.001 -.003	1.750 +.002 +.000
HMU18-1.75-27U	1-3/4	2-1/8	.272	.281 +.015 +.000	1.750 -.001 -.003	2.125 +.003 +.000
HMU18-1.75-38U	1-3/4	2-1/8	.38	.410 +.015 +.000	1.750 -.001 -.003	2.125 +.003 +.000
HMU18-2.00-27U	2	2-3/8	.272	.281 +.015 +.000	2.000 -.001 -.003	2.375 +.003 +.000

STYLE HMU POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
HMU18-2.00-38U	2	2-3/8	.38	.410 +.015 +.000	2.000 -.001 -.003	2.375 +.003 +.000
HMU18-2.50-38U	2-1/2	2-7/8	.38	.410 +.015 +.000	2.500 -.001 -.003	2.875 +.003 +.000
HMU18-3.00-38U	3	3-3/8	.38	.410 +.015 +.000	3.000 -.001 -.003	3.375 +.003 +.000
HMU18-3.50-38U	3-1/2	3-7/8	.38	.410 +.015 +.000	3.500 -.001 -.004	3.875 +.003 +.000
HMU18-4.00-38U	4	4-3/8	3/8	.410 +.015 +.000	4.000 -.001 -.003	4.375 +.003 +.000
7/32" C/S						
HMU21-2.50-30U	2-1/2	2-15/16	.29	.313 +.015 +.000	2.500 -.001 -.003	2.938 +.003 +.000
HMU21-3.00-30U	3	3-7/16	.29	.313 +.015 +.000	3.000 -.001 -.003	3.438 +.003 +.000
1/4" C/S						
HMU25-3.50-33U	3-1/2	4	.327	.355 +.015 +.000	3.500 -.001 -.004	4.000 +.003 +.000
HMU25-4.00-33U	4	4-1/2	.327	.355 +.015 +.000	4.000 -.001 -.004	4.500 +.003 +.000
HMU25-4.50-33U	4-1/2	5	.327	.355 +.015 +.000	4.500 -.001 -.004	5.000 +.004 +.000
9/32" C/S						
HMU28-5.00-35U	5	5-9/16	.352	.390 +.015 +.000	5.000 -.002 -.004	5.563 +.004 +.000
5/16" C/S						
HMU31-5.50-38U	5-1/2	6-1/8	.38	.410 +.015 +.000	5.500 -.002 -.004	6.120 +.004 +.000

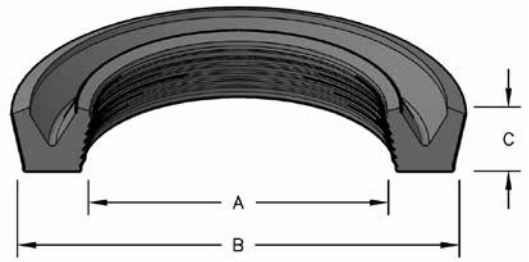
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE HMU HOMOGENOUS U-SEALS

The HMU style multi-lip rod u-seal combines the pressure-compensating, uni-directional characteristics of a u-seal with the multi-lip sealing effectiveness of compression-type stacked-packings. Made from premium materials, the HMU utilizes several sealing lip edges for dry rod performance while minimizing friction. The multi-lip design maintains a critical sealing edge even though increasing pressure moves the line of contact down toward the heel.



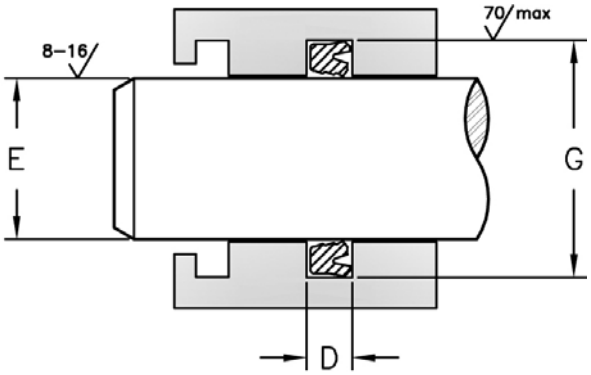
PART NUMBERS

HMU 15 - 0.62 - 15N

Type of Seal | Cross Section | Inside Diameter | Height

N=BUNA-N
V=FLUOROCARBON

SEAL INFORMATION	
MATERIAL	80A BUNA-N RUBBER 90A FLUOROCARBON
TEMPERATURE RANGE	BUNA-N: -40° TO +250° F FC: -20° TO +400° F
PRESSURE RANGE	BUNA-N: 0 TO 1,000 PSI FC: 0-2,000 PSI
SPEED	3 FT/SEC



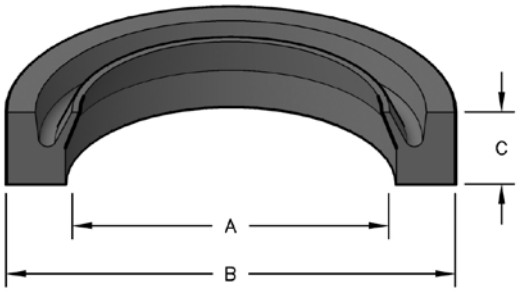
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
1/8" C/S						
HMU12-0.62-15N	5/8	7/8	5/32	.172 +.015 +.000	.625 -.001 -.002	.875 +.002 +.000
HMU12-0.62-15V	5/8	7/8	5/32	.172 +.015 +.000	.625 -.001 -.002	.875 +.002 +.000
5/32" C/S						
HMU15-1.00-18N	1	1-5/16	3/16	.206 +.015 +.000	1.000 -.001 -.002	1.3125 +.002 +.000
HMU15-1.00-18V	1	1-5/16	3/16	.206 +.015 +.000	1.000 -.001 -.002	1.3125 +.002 +.000
HMU15-1.37-18N	1-3/8	1-11/16	3/16	.206 +.015 +.000	1.375 -.001 -.003	1.6875 +.002 +.000
HMU15-1.37-18V	1-3/8	1-11/16	3/16	.206 +.015 +.000	1.375 -.001 -.003	1.6875 +.002 +.000
3/16" C/S						
HMU18-1.75-21N	1-3/4	2-1/8	7/32	.241 +.015 +.000	1.750 -.001 -.003	2.125 +.003 +.000
HMU18-1.75-21V	1-3/4	2-1/8	7/32	.241 +.015 +.000	1.750 -.001 -.003	2.125 +.003 +.000
HMU18-2.00-21N	2	2-3/8	7/32	.241 +.015 +.000	2.000 -.001 -.003	2.375 +.003 +.000
HMU18-2.00-21V	2	2-3/8	7/32	.241 +.015 +.000	2.000 -.001 -.003	2.375 +.003 +.000
7/32" C/S						
HMU21-2.50-24N	2-1/2	2-15/16	.24	.264 +.015 +.000	2.500 -.001 -.003	2.9375 +.003 +.000

STYLE HMU HOMOGENOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
HMU21-2.50-24V	2-1/2	2-15/16	.24	.264 +.015 +.000	2.500 -.001 -.003	2.9375 +.003 +.000
HMU21-3.00-24N	3	3-7/16	.24	.264 +.015 +.000	3.000 -.001 -.003	3.4375 +.003 +.000
HMU21-3.00-24V	3	3-7/16	.24	.264 +.015 +.000	3.000 -.001 -.003	3.4375 +.003 +.000
1/4" C/S						
HMU25-3.50-24N	3-1/2	4	.242	.264 +.015 +.000	3.500 -.001 -.004	4.000 +.003 +.000
HMU25-3.50-27N	3-1/2	4	.27	.297 +.015 +.000	3.500 -.001 -.003	4.000 +.003 +.000
HMU25-3.50-27V	3-1/2	4	.27	.300 +.015 +.000	3.500 -.001 -.004	4.000 +.003 +.000
HMU25-4.00-24V	4	4-1/2	.24	.264 +.015 +.000	4.000 -.001 -.004	4.500 +.003 +.000
HMU25-4.00-24N	4	4-1/2	.242	.264 +.015 +.000	4.000 -.001 -.004	4.500 +.003 +.000
HMU25-4.50-24N	4-1/2	5	.242	.264 +.015 +.000	4.500 -.001 -.004	5.000 +.004 +.000
9/32" C/S						
HMU28-5.00-27N	5	5-9/16	.278	.306 +.015 +.000	5.000 -.002 -.004	5.563 +.004 +.000
5/16" C/S						
HMU31-5.50-31N	5-1/2	6-1/8	5/16	.344 +.015 +.000	5.500 -.002 -.004	6.120 +.004 +.000

STYLE UKR ROD U-SEALS

UKR u-seals are designed to act as a positive sealing, low friction replacement for conventional rubber u-seals. Molded from polyurethane, UKR u-seals provide long life and high resistance against extrusion. Low friction allows these seals to run smoothly in a lubricated or non-lucricated cylinder. Available for rod sealing, the flexible dynamic lip provides very low breakaway friction and steady motion.

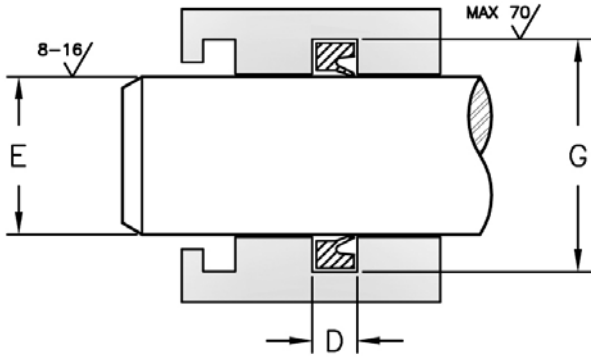


PART NUMBERS

UKR 09 - 0.25

Type of Seal | Cross Section | Inside Diameter

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 150 PSI
SPEED	3 FT/SEC



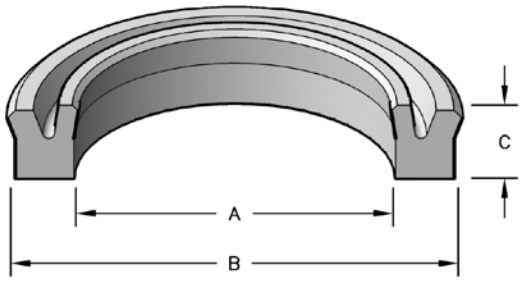
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
3/32" C/S						
UKR09-0.25	1/4	7/16	3/32	.125 +.015 +.000	.250 +.000 -.001	.438 +.002 +.000
UKR09-0.31	5/16	1/2	3/32	.125 +.015 +.000	.312 +.000 -.001	.500 +.002 +.000
UKR09-0.50	1/2	11/16	3/32	.125 +.015 +.000	.500 +.000 -.001	.688 +.002 +.000
1/8" C/S						
UKR12-0.37	3/8	5/8	1/8	.156 +.015 +.000	.375 +.000 -.001	.625 +.002 +.000
UKR12-0.50	1/2	3/4	1/8	.156 +.015 +.000	.500 +.000 -.001	.750 +.002 +.000
UKR12-0.62	5/8	7/8	1/8	.156 +.015 +.000	.625 +.000 -.001	.875 +.002 +.000
UKR12-0.75	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.001	1.000 +.002 +.000
UKR12-0.87	7/8	1-1/8	1/8	.156 +.015 +.000	.875 +.000 -.001	1.125 +.002 +.000
UKR12-1.00	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.001	1.250 +.002 +.000
UKR12-1.12	1-1/8	1-3/8	1/8	.156 +.015 +.000	1.125 +.000 -.001	1.375 +.002 +.000
5/32" C/S						
UKR15-1.00	1	1-5/16	5/32	.188 +.015 +.000	1.000 +.000 -.001	1.313 +.002 +.000
UKR15-1.25	1-1/4	1-9/16	5/32	.188 +.015 +.000	1.250 +.000 -.001	1.563 +.002 +.000

STYLE UKR ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
UKR15-1.37	1-3/8	1-11/16	5/32	.188 +.015 +.000	1.375 +.000 -.001	1.688 +.002 +.000
3/16" C/S						
UKR18-1.50	1-1/2	1-7/8	3/16	.218 +.015 +.000	1.500 +.000 -.002	1.875 +.002 +.000
UKR18-1.75	1-3/4	2-1/8	3/16	.218 +.015 +.000	1.750 +.000 -.002	2.125 +.002 +.000
UKR18-2.00	2	2-3/8	3/16	.218 +.015 +.000	2.000 +.000 -.002	2.375 +.002 +.000
UKR18-2.25	2-1/4	2-5/8	3/16	.218 +.015 +.000	2.250 +.000 -.002	2.625 +.002 +.000

STYLE DPU HEAVY DUTY PISTON U-SEALS

Specifically designed as piston seals, these u-seals are engineered to seal on their outside diameter. They offer extended service life and maximum reliability in piston sealing.

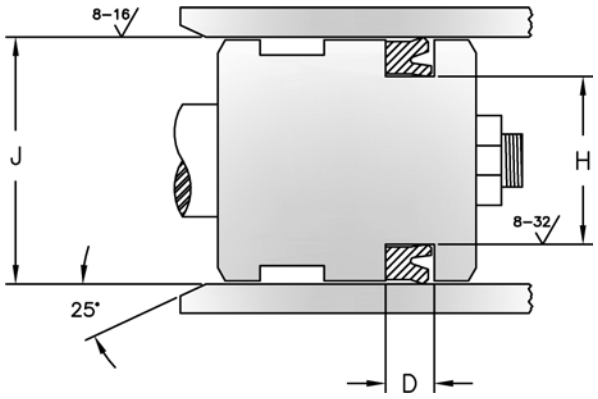


PART NUMBERS

DPU 12 - 0.75 - 12

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +230° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC



MAXIMUM EXTRUSION GAP				
PRESSURE	1000 psi	3000 psi	5000 psi	6000 psi
MAX DIAM. GAP	0.032"	0.015"	0.012"	0.009"

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
1/8" C/S						
DPU12-0.75-12	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	1.000 +.005 +.000
DPU12-0.75-25	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	1.000 +.005 +.000
DPU12-1.00-25	1	1-1/4	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.250 +.005 +.000
3/16" C/S						
DPU18-1.25-31	1-1/4	1-5/8	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.625 +.007 +.000
DPU18-1.37-31	1-3/8	1-3/4	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.750 +.007 +.000
DPU18-1.75-31	1-3/4	2-1/8	5/16	.343 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000
DPU18-1.75-37	1-3/4	2-1/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.125 +.008 +.000

STYLE DPU HEAVY DUTY PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
DPU18-2.00-37	2	2-3/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.375 +.008 +.000
DPU18-2.12-18	2-1/8	2-1/2	3/16	.217 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
DPU18-2.12-31	2-1/8	2-1/2	5/16	.343 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
DPU18-2.12-37	2-1/8	2-1/2	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
DPU18-3.12-37	3-1/8	3-1/2	3/8	.406 +.015 +.000	3.125 +.000 -.004	3.500 +.009 +.000
7/32" C/S						
DPU21-0.25-37	1/4	11/16	3/8	.406 +.015 +.000	.250 +.000 -.003	.688 +.005 +.000
1/4" C/S						
DPU25-1.00-35	1	1-1/2	.357	.388 +.015 +.000	1.000 +.000 -.003	1.500 +.007 +.000
DPU25-1.00-37	1	1-1/2	3/8	.406 +.015 +.000	1.000 +.000 -.003	1.500 +.007 +.000
DPU25-1.12-31	1-1/8	1-5/8	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.625 +.007 +.000
DPU25-1.25-37	1-1/4	1-3/4	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.750 +.007 +.000
DPU25-1.50-31	1-1/2	2	5/16	.343 +.015 +.000	1.500 +.000 -.003	2.000 +.008 +.000
DPU25-1.50-37	1-1/2	2	3/8	.406 +.015 +.000	1.500 +.000 -.003	2.000 +.008 +.000
DPU25-1.75-37	1-3/4	2-1/4	3/8	.406 +.015 +.000	1.750 +.000 -.003	2.250 +.008 +.000
DPU25-2.00-37	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.500 +.008 +.000
DPU25-2.06-25	2-1/16	2-9/16	1/4	.281 +.015 +.000	2.062 +.000 -.003	2.563 +.008 +.000
DPU25-2.06-34	2-1/16	2-9/16	11/32	.375 +.015 +.000	2.062 +.000 -.003	2.563 +.008 +.000
DPU25-2.25-31	2-1/4	2-3/4	5/16	.343 +.015 +.000	2.250 +.000 -.003	2.750 +.008 +.000
DPU25-2.25-37	2-1/4	2-3/4	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.750 +.008 +.000
DPU25-2.50-37	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	3.000 +.008 +.000
DPU25-2.75-37	2-3/4	3-1/4	3/8	.406 +.015 +.000	2.750 +.000 -.003	3.250 +.009 +.000
DPU25-3.00-37	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.500 +.009 +.000
DPU25-3.12-37	3-1/8	3-5/8	3/8	.406 +.015 +.000	3.125 +.000 -.004	3.625 +.009 +.000
DPU25-3.25-37	3-1/4	3-3/4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.750 +.009 +.000
DPU25-3.50-37	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	4.000 +.009 +.000
DPU25-3.62-37	3-5/8	4-1/8	3/8	.406 +.015 +.000	3.625 +.000 -.004	4.125 +.009 +.000
DPU25-3.75-37	3-3/4	4-1/4	3/8	.406 +.015 +.000	3.750 +.000 -.004	4.250 +.009 +.000
DPU25-4.00-37	4	4-1/2	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
DPU25-4.00-56	4	4-1/2	9/16	.594 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
DPU25-4.50-37	4-1/2	5	3/8	.406 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000
DPU25-4.50-43	4-1/2	5	7/16	.468 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000
DPU25-4.50-56	4-1/2	5	9/16	.594 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000

STYLE DPU HEAVY DUTY PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
DPU25-5.00-37	5	5-1/2	3/8	.406 +.015 +.000	5.000 +.000 -.004	5.500 +.010 +.000
DPU25-5.00-56	5	5-1/2	9/16	.594 +.015 +.000	5.000 +.000 -.004	5.500 +.010 +.000
DPU25-5.50-25	5-1/2	6	1/4	.281 +.015 +.000	5.500 +.000 -.004	6.000 +.010 +.000
DPU25-5.50-37	5-1/2	6	3/8	.406 +.015 +.000	5.500 +.000 -.004	6.000 +.010 +.000
DPU25-5.50-50	5-1/2	6	1/2	.531 +.015 +.000	5.500 +.000 -.004	6.000 +.010 +.000
DPU25-5.50-56	5-1/2	6	9/16	.594 +.015 +.000	5.500 +.000 -.004	6.000 +.010 +.000
5/16" C/S						
DPU31-1.12-50	1-1/8	1-3/4	1/2	.531 +.015 +.000	1.125 +.000 -.003	1.750 +.007 +.000
DPU31-1.25-47	1-1/4	1-7/8	.471	.500 +.015 +.000	1.250 +.000 -.003	1.875 +.007 +.000
DPU31-1.37-37	1-3/8	2	3/8	.406 +.015 +.000	1.375 +.000 -.003	2.000 +.008 +.000
DPU31-1.37-43	1-3/8	2	7/16	.468 +.015 +.000	1.375 +.000 -.003	2.000 +.008 +.000
DPU31-1.37-44	1-3/8	2	7/16	.468 +.015 +.000	1.375 +.000 -.003	2.000 +.008 +.000
DPU31-1.37-50	1-3/8	2	1/2	.531 +.015 +.000	1.375 +.000 -.003	2.000 +.008 +.000
DPU31-1.62-50	1-5/8	2-1/4	1/2	.531 +.015 +.000	1.625 +.000 -.003	2.250 +.008 +.000
DPU31-1.87-37	1-7/8	2-1/2	3/8	.406 +.015 +.000	1.875 +.000 -.003	2.500 +.008 +.000
DPU31-1.87-50	1-7/8	2-1/2	1/2	.531 +.015 +.000	1.875 +.000 -.003	2.500 +.008 +.000
DPU31-2.37-37	2-3/8	3	3/8	.406 +.015 +.000	2.375 +.000 -.003	3.000 +.008 +.000
DPU31-2.37-50	2-3/8	3	1/2	.531 +.015 +.000	2.375 +.000 -.003	3.000 +.008 +.000
DPU31-2.87-50	2-7/8	3-1/2	1/2	.531 +.015 +.000	2.875 +.000 -.003	3.500 +.009 +.000
DPU31-3.37-37	3-3/8	4	3/8	.406 +.015 +.000	3.375 +.000 -.004	4.000 +.009 +.000
DPU31-3.37-50	3-3/8	4	1/2	.531 +.015 +.000	3.375 +.000 -.004	4.000 +.009 +.000
DPU31-3.62-37	3-5/8	4-1/4	3/8	.406 +.015 +.000	3.625 +.000 -.004	4.250 +.009 +.000
DPU31-3.62-50	3-5/8	4-1/4	1/2	.531 +.015 +.000	3.625 +.000 -.004	4.250 +.009 +.000
DPU31-3.87-50	3-7/8	4-1/2	1/2	.531 +.015 +.000	3.875 +.000 -.004	4.500 +.009 +.000
DPU31-5.37-50	5-3/8	6	1/2	.531 +.015 +.000	5.375 +.000 -.004	6.000 +.010 +.000
.3205" C/S						
DPU32-1.62-39	1-5/8	2.266	.39	.421 +.015 +.000	1.625 +.000 -.003	2.266 +.008 +.000
3/8" C/S						
DPU37-1.75-62	1-3/4	2-1/2	5/8	.626 +.045 +.030	1.750 +.000 -.003	2.500 +.008 +.000
DPU37-2.25-62	2-1/4	3	5/8	.656 +.015 +.000	2.250 +.000 -.003	3.000 +.008 +.000
DPU37-2.50-62	2-1/2	3-1/4	5/8	.656 +.015 +.000	2.500 +.000 -.003	3.250 +.009 +.000
DPU37-2.75-37	2-3/4	3-1/2	3/8	.406 +.015 +.000	2.750 +.000 -.003	3.500 +.009 +.000
DPU37-2.75-62	2-3/4	3-1/2	5/8	.656 +.015 +.000	2.750 +.000 -.003	3.500 +.009 +.000
DPU37-3.00-37	3	3-3/4	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.750 +.009 +.000

STYLE DPU HEAVY DUTY PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
DPU37-3.00-47-AN	3	3-3/4	.469	.500 +.015 +.000	3.000 +.000 -.004	3.750 +.009 +.000
DPU37-3.00-50	3	3-3/4	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.750 +.009 +.000
DPU37-3.25-37	3-1/4	4	3/8	.406 +.015 +.000	3.250 +.000 -.004	4.000 +.009 +.000
DPU37-3.25-50	3-1/4	4	1/2	.531 +.015 +.000	3.250 +.000 -.004	4.000 +.009 +.000
DPU37-3.25-62	3-1/4	4	5/8	.656 +.015 +.000	3.250 +.000 -.004	4.000 +.009 +.000
DPU37-3.50-37	3-1/2	4-1/4	3/8	.406 +.015 +.000	3.500 +.000 -.004	4.250 +.009 +.000
DPU37-3.75-37	3-3/4	4-1/2	3/8	.406 +.015 +.000	3.750 +.000 -.004	4.500 +.009 +.000
DPU37-3.75-50	3-3/4	4-1/2	1/2	.531 +.015 +.000	3.750 +.000 -.004	4.500 +.009 +.000
DPU37-3.75-62	3-3/4	4-1/2	5/8	.656 +.015 +.000	3.750 +.000 -.004	4.500 +.009 +.000
DPU37-4.25-37	4-1/4	5	3/8	.406 +.015 +.000	4.250 +.000 -.004	5.000 +.010 +.000
DPU37-4.25-50	4-1/4	5	1/2	.531 +.015 +.000	4.250 +.000 -.004	5.000 +.010 +.000
DPU37-4.25-62	4-1/4	5	5/8	.656 +.015 +.000	4.250 +.000 -.004	5.000 +.010 +.000
DPU37-4.37-50	4-3/8	5-1/8	1/2	.531 +.015 +.000	4.375 +.000 -.004	5.125 +.010 +.000
DPU37-4.50-37	4-1/2	5-1/4	3/8	.406 +.015 +.000	4.500 +.000 -.004	5.250 +.010 +.000
DPU37-4.50-50	4-1/2	5-1/4	1/2	.531 +.015 +.000	4.500 +.000 -.004	5.250 +.010 +.000
DPU37-4.50-62	4-1/2	5-1/4	5/8	.656 +.015 +.000	4.500 +.000 -.004	5.250 +.010 +.000
DPU37-4.75-50	4-3/4	5-1/2	1/2	.531 +.015 +.000	4.750 +.000 -.004	5.500 +.010 +.000
DPU37-4.75-62	4-3/4	5-1/2	5/8	.656 +.015 +.000	4.750 +.000 -.004	5.500 +.010 +.000
DPU37-5.00-50	5	5-3/4	1/2	.531 +.015 +.000	5.000 +.000 -.004	5.750 +.010 +.000
DPU37-5.25-37	5-1/4	6	3/8	.406 +.015 +.000	5.250 +.000 -.004	6.000 +.010 +.000
DPU37-5.25-50	5-1/4	6	1/2	.531 +.015 +.000	5.250 +.000 -.004	6.000 +.010 +.000
DPU37-5.25-62	5-1/4	6	5/8	.656 +.015 +.000	5.250 +.000 -.004	6.000 +.010 +.000
DPU37-5.50-37	5-1/2	6-1/4	3/8	.406 +.015 +.000	5.500 +.000 -.004	6.250 +.010 +.000
DPU37-5.75-37	5-3/4	6-1/2	3/8	.406 +.015 +.000	5.750 +.000 -.004	6.500 +.010 +.000
DPU37-5.75-62	5-3/4	6-1/2	5/8	.656 +.015 +.000	5.750 +.000 -.004	6.500 +.010 +.000
DPU37-6.00-50	6	6-3/4	1/2	.531 +.015 +.000	6.000 +.000 -.004	6.750 +.010 +.000
DPU37-6.25-37	6-1/4	7	3/8	.406 +.015 +.000	6.250 +.000 -.004	7.000 +.011 +.000
DPU37-6.25-50	6-1/4	7	1/2	.531 +.015 +.000	6.250 +.000 -.004	7.000 +.011 +.000
DPU37-6.25-62	6-1/4	7	5/8	.656 +.015 +.000	6.250 +.000 -.004	7.000 +.011 +.000
DPU37-6.50-62	6-1/2	7-1/4	5/8	.656 +.015 +.000	6.500 +.000 -.004	7.250 +.011 +.000
DPU37-6.75-50	6-3/4	7-1/2	1/2	.531 +.015 +.000	6.750 +.000 -.004	7.500 +.011 +.000
DPU37-7.25-37	7-1/4	8	3/8	.406 +.015 +.000	7.250 +.000 -.005	8.000 +.011 +.000
DPU37-7.25-50	7-1/4	8	1/2	.531 +.015 +.000	7.250 +.000 -.005	8.000 +.011 +.000

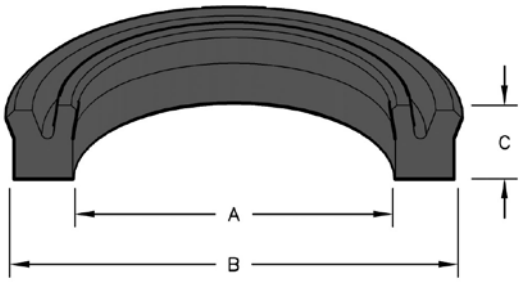
STYLE DPU HEAVY DUTY PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
DPU37-7.25-62	7-1/4	8	5/8	.656 +.015 +.000	7.250 +.000 -.005	8.000 +.011 +.000
.383" C/S						
DPU38-2.00-48	2	2.766	.486	.517 +.015 +.000	2.000 +.000 -.003	2.766 +.008 +.000
DPU38-2.50-48	2-1/2	3.266	.486	.517 +.015 +.000	2.500 +.000 -.003	3.266 +.009 +.000
1/2" C/S						
DPU50-4.12-59	4-1/8	5-1/8	19/32	.649 +.015 +.000	4.125 +.000 -.004	5.125 +.010 +.000
DPU50-5.00-50	5	6	1/2	.531 +.015 +.000	5.000 +.000 -.004	6.000 +.010 +.000
DPU50-5.25-62	5-1/4	6-1/4	5/8	.656 +.015 +.000	5.250 +.000 -.004	6.250 +.010 +.000
DPU50-5.50-62	5-1/2	6-1/2	5/8	.656 +.015 +.000	5.500 +.000 -.004	6.500 +.010 +.000
DPU50-6.00-75	6	7	3/4	.781 +.015 +.000	6.000 +.000 -.004	7.000 +.011 +.000
DPU50-6.50-62	6-1/2	7-1/2	5/8	.656 +.015 +.000	6.500 +.000 -.004	7.500 +.011 +.000
DPU50-6.50-75	6-1/2	7-1/2	3/4	.781 +.015 +.000	6.500 +.000 -.004	7.500 +.011 +.000
DPU50-7.00-50	7	8	1/2	.531 +.015 +.000	7.000 +.000 -.005	8.000 +.011 +.000
DPU50-7.00-75	7	8	3/4	.781 +.015 +.000	7.000 +.000 -.005	8.000 +.011 +.000
DPU50-7.50-62	7-1/2	8-1/2	5/8	.656 +.015 +.000	7.500 +.000 -.005	8.500 +.011 +.000
DPU50-7.50-75	7-1/2	8-1/2	3/4	.781 +.015 +.000	7.500 +.000 -.005	8.500 +.011 +.000
DPU50-8.00-75	8	9	3/4	.781 +.015 +.000	8.000 +.000 -.005	9.000 +.012 +.000
DPU50-9.00-62	9	10	5/8	.656 +.015 +.000	9.000 +.000 -.005	10.000 +.012 +.000
DPU50-9.00-75	9	10	3/4	.781 +.015 +.000	9.000 +.000 -.005	10.000 +.012 +.000
DPU50-10.00-62	10	11	5/8	.656 +.015 +.000	10.000 +.000 -.006	11.000 +.012 +.000
DPU50-10.00-75	10	11	3/4	.781 +.015 +.000	10.000 +.000 -.006	11.000 +.012 +.000
DPU50-11.00-62	11	12	5/8	.656 +.015 +.000	11.000 +.000 -.006	12.000 +.012 +.000
DPU50-11.00-75	11	12	3/4	.781 +.015 +.000	11.000 +.000 -.006	12.000 +.012 +.000
5/8" C/S						
DPU62-3.50-56	3-1/2	4-3/4	9/16	.594 +.015 +.000	3.500 +.000 -.004	4.750 +.009 +.000
DPU62-9.25-75	9-1/4	10-1/2	3/4	.781 +.015 +.000	9.250 +.000 -.005	10.500 +.012 +.000

Seal color may vary.

STYLE DPU-BHT HEAVY DUTY PISTON U-SEALS

Style DPU-BHT piston seals are molded in Freudenberg® AU 30000 urethane. Specifically designed as piston seals, these u-seals are engineered to seal on their outside diameter. They offer extended service life and maximum reliability in piston sealing. This high tear-resistant urethane demonstrates stability throughout a wide range of temperatures. In addition, this material is well suited to mineral and biodegradable hydraulic fluids as well as being resistant to hydrolysis.

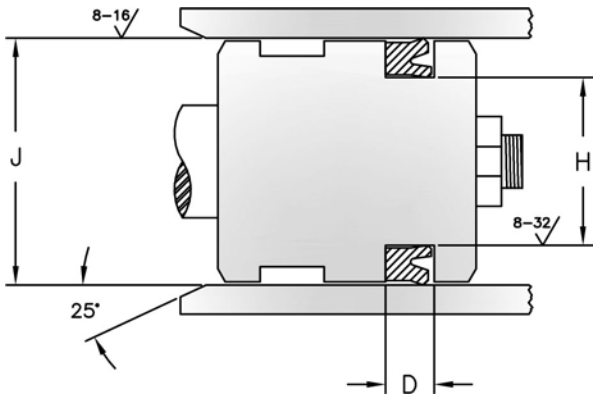


PART NUMBERS

DPU 18 - 2.12 - 18 BHT

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-31°F TO 250°F
PRESSURE RANGE	0 TO 7250 PSI
SPEED	1.5 FT/SEC



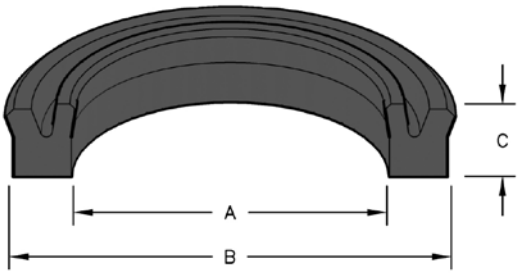
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
3/16" C/S						
DPU18-2.12-18-BHT	2-1/8	2-1/2	3/16	.217 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
DPU18-2.12-31-BHT	2-1/8	2-1/2	5/16	.343 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
DPU18-2.12-37-BHT	2-1/8	2-1/2	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.500 +.008 +.000
1/4" C/S						
DPU25-1.50-37-BHT	1-1/2	2	3/8	.406 +.015 +.000	1.500 +.000 -.003	2.000 +.008 +.000
DPU25-2.00-37-BHT	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.500 +.008 +.000
DPU25-2.50-37-BHT	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	3.000 +.008 +.000
DPU25-3.00-37-BHT	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.500 +.009 +.000
DPU25-3.50-37-BHT	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	4.000 +.009 +.000
DPU25-4.00-37-BHT	4	4-1/2	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.500 +.009 +.000
DPU25-4.50-37-BHT	4-1/2	5	3/8	.406 +.015 +.000	4.500 +.000 -.004	5.000 +.010 +.000

STYLE DPU-BHT HEAVY DUTY PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
3/8" C/S						
DPU37-3.25-37-BHT	3-1/4	4	3/8	.406 +.015 +.000	3.250 +.000 -.004	4.000 +.009 +.000
DPU37-3.75-62-BHT	3-3/4	4-1/2	5/8	.656 +.015 +.000	3.750 +.000 -.004	4.500 +.009 +.000
DPU37-4.25-37-BHT	4-1/4	5	3/8	.406 +.015 +.000	4.250 +.000 -.004	5.000 +.010 +.000
DPU37-4.25-50-BHT	4-1/4	5	1/2	.531 +.015 +.000	4.250 +.000 -.004	5.000 +.010 +.000
DPU37-5.25-37-BHT	5-1/4	6	3/8	.406 +.015 +.000	5.250 +.000 -.004	6.000 +.010 +.000
DPU37-5.25-50-BHT	5-1/4	6	1/2	.531 +.015 +.000	5.250 +.000 -.004	6.000 +.010 +.000

STYLE PU URETHANE PISTON U-SEALS

Style PU seals are molded from high quality urethane and designed specifically for piston applications.

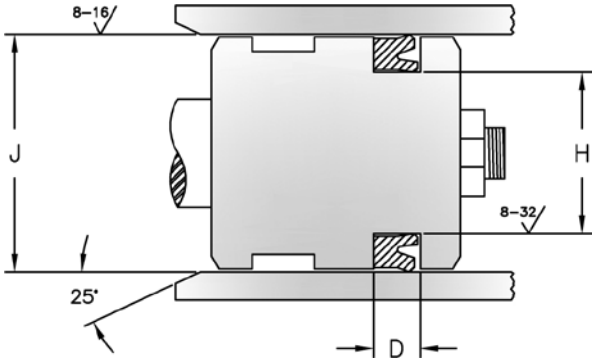


PART NUMBERS

PU 12 - 1.25 - 25

Type of Seal	Cross Section	Inside Diameter	Height

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +225° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



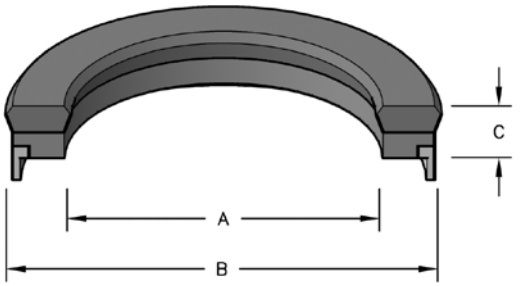
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
1/8" C/S						
PU12-1.25-25	1-1/4	1-1/2	1/4	.275 +.010 +.000	1.250 +.000 -.002	1.500 +.002 +.000
3/16" C/S						
PU18-0.75-31	3/4	1-1/8	5/16	.344 +.010 +.000	.750 +.000 -.002	1.125 +.002 +.000
PU18-1.62-31	1-5/8	2	5/16	.344 +.010 +.000	1.625 +.000 -.002	2.000 +.002 +.000
PU18-2.12-25	2-1/8	2-1/2	1/4	.275 +.010 +.000	2.125 +.000 -.002	2.500 +.002 +.000
PU18-2.12-37	2-1/8	2-1/2	3/8	.413 +.010 +.000	2.125 +.000 -.002	2.500 +.002 +.000
PU18-2.62-37	2-5/8	3	3/8	.413 +.010 +.000	2.625 +.000 -.002	3.000 +.002 +.000
1/4" C/S						
PU25-1.18-31	1.188	1.688	.313			
PU25-2.00-25	2	2-1/2	1/4	.275 +.010 +.000	2.000 +.000 -.003	2.500 +.003 +.000
PU25-3.00-37	3	3-1/2	3/8	.413 +.010 +.000	3.000 +.000 -.003	3.500 +.003 +.000
PU25-3.50-37	3-1/2	4	3/8	.413 +.010 +.000	3.500 +.000 -.003	4.000 +.003 +.000
PU25-4.50-37	4-1/2	5	3/8	.413 +.010 +.000	4.500 +.000 -.003	5.000 +.003 +.000
.2955" C/S						
PU29-1.61-38	1.614	2.205	.38	.425 +.016 +.000	1.614 +.000 -.002	2.205 +.002 +.000
3/8" C/S						

STYLE PU URETHANE PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
				3/8" C/S		
PU37-5.25-50	5-1/4	6	1/2	.550 +.010 +.000	5.250 +.000 -.005	6.000 +.004 +.000
				1/2" C/S		
PU50-2.00-50	2	3	1/2	.550 +.010 +.000	2.000 +.000 -.007	3.000 +.005 +.000
PU50-2.25-50	2-1/4	3-1/4	1/2	.550 +.010 +.000	2.250 +.000 -.007	3.250 +.005 +.000
PU50-3.00-50	3	4	1/2	.550 +.010 +.000	3.000 +.000 -.007	4.000 +.005 +.000

STYLE UFN PISTON SEALS

Constructed of a rubber seal lip with a rubberized fabric heel, these seals feature a polyacetal bearing ring or a poly-acetal anti-extrusion ring. These seals offer excellent sealing ability and high pressure capability. They are commonly used with the SR retention rings.



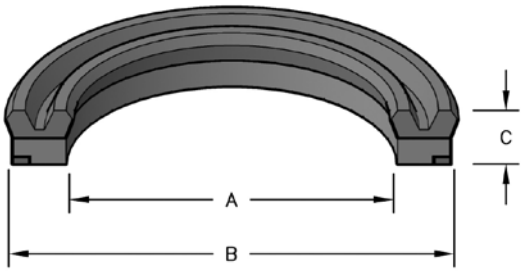
UFN-PWO

PART NUMBERS

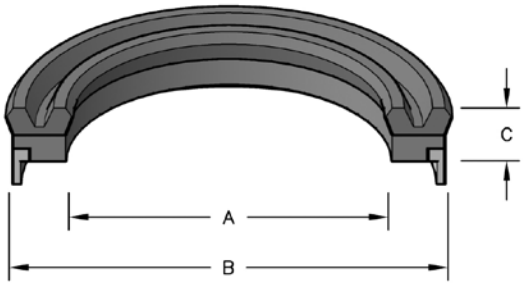
UFN 25 - 1.00 - 37 UWO

Type of Seal | Cross Section | Inside Diameter | Height

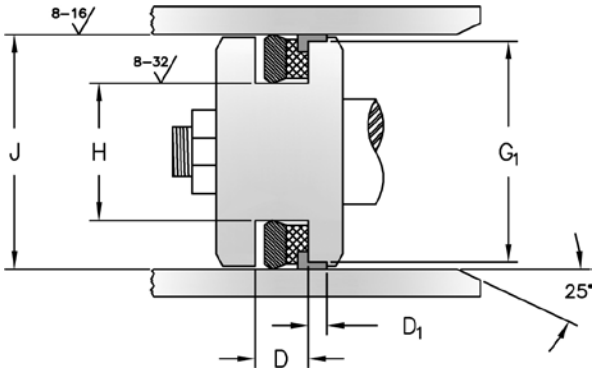
SEAL INFORMATION	
MATERIAL	RUBBER, FABRIC, ACETAL
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,800 PSI
SPEED	1.5 FT/SEC



UFN-UEO



UFN-UWO



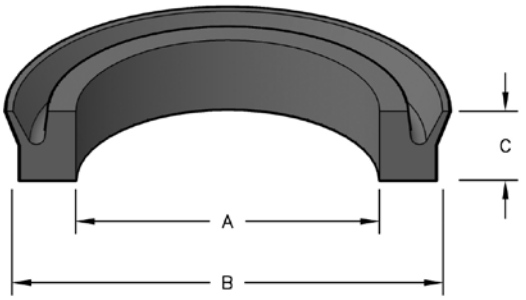
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	G_1 BEARING GROOVE DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
1/4" C/S								
UFN25-1.00-37UWO	1	1-1/2	3/8	.390 +.010 +.000	.250 +.004 +.000	1.360 ±.002	1.000 ±.003	1.500 +.004 +.000
UFN25-2.00-31PWO	2	2-1/2	5/16	.327 +.010 +.000	.250 +.004 +.000	2.360 ±.002	2.000 ±.004	2.500 +.005 +.000
.271" C/S								
UFN27-0.87-46UWO	7/8	1.417	15/32	.483 +.010 +.000	.250 +.004 +.000	1.277 ±.002	.875 ±.003	1.417 +.004 +.000
5/16" C/S								
UFN31-1.12-43PWO	1-1/8	1-3/4	7/16	.452 +.010 +.000	.250 +.004 +.000	1.570 ±.002	1.125 ±.003	1.750 +.004 +.000
UFN31-1.16-46UWO	1.161	1.786	15/32	.483 +.010 +.000	.250 +.004 +.000	1.606 ±.002	1.161 ±.003	1.786 +.004 +.000
UFN31-1.37-37PWO	1-3/8	2	3/8	.390 +.010 +.000	.250 +.004 +.000	1.820 ±.002	1.375 ±.003	2.000 +.005 +.000
UFN31-1.37-37UWO	1-3/8	2	3/8	.390 +.010 +.000	.250 +.004 +.000	1.820 ±.002	1.375 ±.003	2.000 +.005 +.000
UFN31-1.37-43PWO	1-3/8	2	7/16	.452 +.010 +.000	.250 +.004 +.000	1.820 ±.002	1.375 ±.003	2.000 +.005 +.000
UFN31-1.75-43UEO	1-3/4	2-3/8	7/16	.452 +.010 +.000	N/A	N/A	1.750 ±.003	2.375 +.005 +.000

STYLE UFN PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	G_1 BEARING GROOVE DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
UFN31-1.75-43UWO	1-3/4	2-3/8	7/16	.452 +.010 +.000	.250 +.004 +.000	2.194 ±.002	1.750 ±.003	2.375 +.005 +.000
UFN31-1.87-37UWO	1-7/8	2-1/2	3/8	.390 +.010 +.000	.250 +.004 +.000	2.320 ±.002	1.875 ±.003	2.500 +.005 +.000
UFN31-1.87-43PWO	1-7/8	2-1/2	7/16	.452 +.010 +.000	.250 +.004 +.000	2.319 ±.002	1.875 ±.003	2.500 +.005 +.000
UFN31-2.00-43UWO	2	2-5/8	7/16	.452 +.010 +.000	.250 +.004 +.000	2.443 ±.002	2.000 ±.004	2.625 +.005 +.000
UFN31-2.12-46UWO	2-1/8	2-3/4	15/32	.483 +.010 +.000	.250 +.004 +.000	2.569 ±.002	2.125 ±.004	2.750 +.005 +.000
3/8" C/S								
UFN37-2.00-56UWO	2	2-3/4	9/16	.577 +.010 +.000	.250 +.004 +.000	2.522 ±.002	2.000 ±.004	2.750 +.005 +.000
UFN37-2.25-50UEO	2-1/4	3	1/2	.515 +.010 +.000	N/A	N/A	2.250 ±.004	3.000 +.005 +.000
UFN37-2.25-50UWO	2-1/4	3	1/2	.515 +.010 +.000	.250 +.004 +.000	2.772 ±.002	2.250 ±.004	3.000 +.005 +.000
UFN37-2.75-56UWO	2-3/4	3-1/2	9/16	.577 +.010 +.000	.250 +.004 +.000	3.271 ±.003	2.750 ±.004	3.500 +.006 +.000
UFN37-3.25-56UWO	3-1/4	4	9/16	.577 +.010 +.000	.250 +.004 +.000	3.770 ±.003	3.250 ±.004	4.000 +.006 +.000
UFN37-3.50-56UEO	3-1/2	4-1/4	9/16	.577 +.010 +.000	N/A	N/A	3.500 ±.004	4.250 +.006 +.000
1/2" C/S								
UFN50-4.00-75UEO	4	5	3/4	.765 +.010 +.000	N/A	N/A	4.000 ±.004	5.000 +.006 +.000

STYLE UKP PISTON U-SEALS

UKP u-seals are designed to act as a positive sealing, low friction replacement for conventional rubber u-seals. Molded from polyurethane, UKP u-seals provide long life and high resistance against extrusion. Low friction allows these seals to run smoothly in a lubricated or non-lubricated cylinder. Available for bore sealing, the flexible dynamic lip provides very low breakaway friction and steady motion.

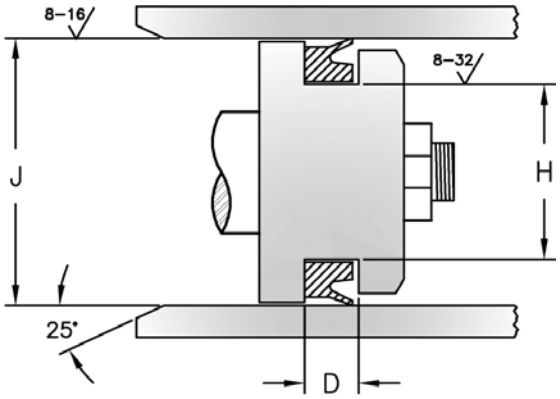


PART NUMBERS

UKP 09 - 0.37

Type of Seal | Cross Section | Outside Diameter

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 150 PSI
SPEED	3 FT/SEC



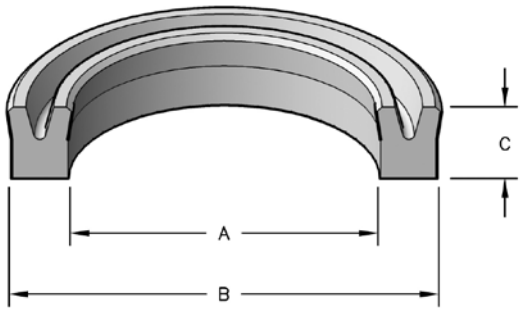
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
3/32" C/S						
UKP09-0.37	3/16	3/8	3/32	.125 +.015 +.000	.187 +.000 -.002	.375 +.002 +.000
UKP09-0.68	1/2	11/16	3/32	.125 +.015 +.000	.500 +.000 -.002	.688 +.002 +.000
1/8" C/S						
UKP12-0.56	5/16	9/16	1/8	.156 +.015 +.000	.312 +.000 -.002	.563 +.002 +.000
UKP12-0.62	3/8	5/8	1/8	.156 +.015 +.000	.375 +.000 -.002	.625 +.002 +.000
UKP12-0.75	1/2	3/4	1/8	.156 +.015 +.000	.500 +.000 -.002	.750 +.002 +.000
UKP12-0.87	5/8	7/8	1/8	.156 +.015 +.000	.625 +.000 -.002	.875 +.002 +.000
UKP12-1.00	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.002	1.000 +.002 +.000
UKP12-1.06	13/16	1-1/16	1/8	.156 +.015 +.000	.812 +.000 -.002	1.063 +.002 +.000
UKP12-1.12	7/8	1-1/8	1/8	.156 +.015 +.000	.875 +.000 -.002	1.125 +.002 +.000
UKP12-1.25	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.002	1.250 +.002 +.000
UKP12-1.50	1-1/4	1-1/2	1/8	.156 +.015 +.000	1.250 +.000 -.002	1.500 +.002 +.000
UKP12-2.00	1-3/4	2	1/8	.156 +.015 +.000	1.750 +.000 -.002	2.000 +.002 +.000

STYLE UKP PISTON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
5/32" C/S						
UKP15-1.50	1-3/16	1-1/2	5/32	.188 +.015 +.000	1.187 +.000 -.002	1.500 +.002 +.000
UKP15-1.56	1-1/4	1-9/16	5/32	.188 +.015 +.000	1.250 +.000 -.002	1.563 +.002 +.000
3/16" C/S						
UKP18-1.75	1-3/8	1-3/4	3/16	.219 +.015 +.000	1.375 +.000 -.002	1.750 +.002 +.000
UKP18-2.00	1-5/8	2	3/16	.219 +.015 +.000	1.625 +.000 -.002	2.000 +.002 +.000
UKP18-2.25	1-7/8	2-1/4	3/16	.219 +.015 +.000	1.875 +.000 -.002	2.250 +.002 +.000
UKP18-2.50	2-1/8	2-1/2	3/16	.219 +.015 +.000	2.125 +.000 -.002	2.500 +.002 +.000
UKP18-2.62	2-1/4	2-5/8	3/16	.219 +.015 +.000	2.250 +.000 -.002	2.625 +.002 +.000
UKP18-4.00	3-5/8	4	3/16	.219 +.015 +.000	3.625 +.000 -.002	4.000 +.002 +.000
7/32" C/S						
UKP21-3.00	2-9/16	3	7/32	.250 +.015 +.000	2.562 +.000 -.003	3.000 +.003 +.000
UKP21-3.25	2-13/16	3-1/4	7/32	.250 +.015 +.000	2.812 +.000 -.003	3.250 +.003 +.000
1/4" C/S						
UKP25-3.00	2-1/2	3	1/4	.281 +.015 +.000	2.500 +.000 -.003	3.000 +.003 +.000
UKP25-3.25	2-3/4	3-1/4	1/4	.281 +.015 +.000	2.750 +.000 -.003	3.250 +.003 +.000
UKP25-3.50	3	3-1/2	1/4	.281 +.015 +.000	3.000 +.000 -.003	3.500 +.003 +.000
UKP25-4.00	3-1/2	4	1/4	.281 +.015 +.000	3.500 +.000 -.003	4.000 +.003 +.000
UKP25-5.00	4-1/2	5	1/4	.281 +.015 +.000	4.500 +.000 -.003	5.000 +.003 +.000
UKP25-6.00	5-1/2	6	1/4	.281 +.015 +.000	5.500 +.000 -.003	6.000 +.003 +.000
UKP25-7.00	6-1/2	7	1/4	.281 +.015 +.000	6.500 +.000 -.003	7.000 +.003 +.000
UKP25-8.00	7-1/2	8	1/4	.281 +.015 +.000	7.500 +.000 -.003	8.000 +.003 +.000
UKP25-10.00	9-1/2	10	1/4	.281 +.015 +.000	9.500 +.000 -.003	10.000 +.003 +.000
5/16" C/S						
UKP31-6.00	5-3/8	6	5/16	.344 +.015 +.000	5.375 +.000 -.004	6.000 +.003 +.000
UKP31-8.00	7-3/8	8	5/16	.344 +.015 +.000	7.375 +.000 -.004	8.000 +.003 +.000
3/8" C/S						
UKP37-10.00	9-1/4	10	3/8	.406 +.015 +.000	9.250 +.000 -.005	10.000 +.004 +.000

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Used interchangeably for piston or rod sealing, these u-seals employ the same tough urethane material found in our Heavy Duty Rod and Piston U-Seals.

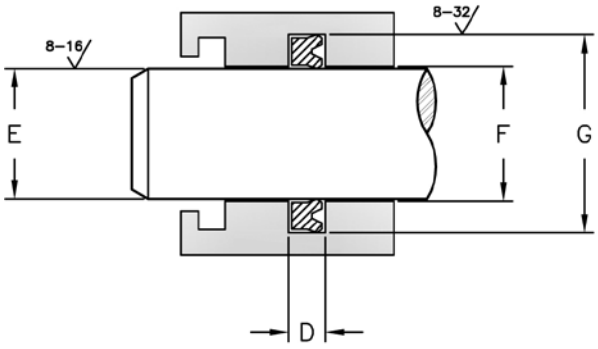


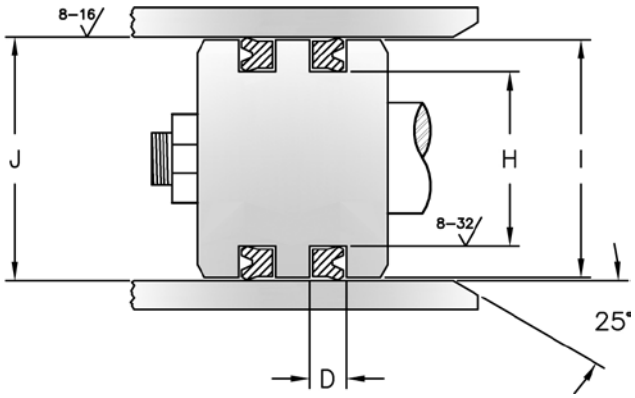
PART NUMBERS

DSU 12 - 0.18 - 12

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 4,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
DSU12-0.18-12	3/16	7/16	1/8	.156 +.015 +.000	.187 +.000 -.003	.189 +.003 +.000	.438 +.005 +.000	.187 +.000 -.003	.437 +.000 -.003	.438 +.005 +.000
DSU12-0.18-25	3/16	7/16	1/4	.281 +.015 +.000	.187 +.000 -.003	.189 +.003 +.000	.438 +.005 +.000	.187 +.000 -.003	.437 +.000 -.003	.438 +.005 +.000
DSU12-0.25-18	1/4	1/2	3/16	.218 +.015 +.000	.250 +.000 -.003	.251 +.003 +.000	.500 +.005 +.000	.250 +.000 -.003	.499 +.000 -.003	.500 +.005 +.000
DSU12-0.31-25	5/16	9/16	1/4	.281 +.015 +.000	.312 +.000 -.003	.313 +.003 +.000	.563 +.005 +.000	.312 +.000 -.003	.561 +.000 -.003	.563 +.005 +.000
DSU12-0.37-12	3/8	5/8	1/8	.156 +.015 +.000	.375 +.000 -.003	.376 +.003 +.000	.625 +.005 +.000	.375 +.000 -.003	.624 +.000 -.003	.625 +.005 +.000
DSU12-0.37-25	3/8	5/8	1/4	.281 +.015 +.000	.375 +.000 -.003	.376 +.003 +.000	.625 +.005 +.000	.375 +.000 -.003	.624 +.000 -.003	.625 +.005 +.000
DSU12-0.50-12	1/2	3/4	1/8	.156 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	.750 +.005 +.000	.500 +.000 -.003	.749 +.000 -.003	.750 +.005 +.000
DSU12-0.56-12	9/16	13/16	1/8	.156 +.015 +.000	.562 +.000 -.003	.564 +.003 +.000	.813 +.005 +.000	.562 +.000 -.003	.812 +.000 -.003	.813 +.005 +.000
DSU12-0.62-12	5/8	7/8	1/8	.156 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	.875 +.005 +.000	.625 +.000 -.003	.874 +.000 -.003	.875 +.005 +.000
DSU12-0.62-25	5/8	7/8	1/4	.281 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	.875 +.005 +.000	.625 +.000 -.003	.874 +.000 -.003	.875 +.005 +.000
DSU12-0.75-12	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU12-0.75-18	3/4	1	3/16	.218 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU12-0.75-25	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU12-0.87-12	7/8	1-1/8	1/8	.156 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.125 +.005 +.000	.875 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU12-0.87-17	7/8	1-1/8	11/64	.202 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.125 +.005 +.000	.875 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU12-0.87-25	7/8	1-1/8	1/4	.281 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.125 +.005 +.000	.875 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU12-1.00-12	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.00-15	1	1-1/4	5/32	.187 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.00-18	1	1-1/4	3/16	.218 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.00-25	1	1-1/4	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.12-12	1-1/8	1-3/8	1/8	.156 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.375 +.005 +.000	1.125 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU12-1.12-25	1-1/8	1-3/8	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.375 +.005 +.000	1.125 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU12-1.25-12	1-1/4	1-1/2	1/8	.156 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU12-1.25-15	1-1/4	1-1/2	5/32	.187 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU12-1.25-18	1-1/4	1-1/2	3/16	.218 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU12-1.25-25	1-1/4	1-1/2	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU12-1.31-25	1-5/16	1-9/16	1/4	.281 +.015 +.000	1.312 +.000 -.003	1.313 +.003 +.000	1.563 +.007 +.000	1.312 +.000 -.003	1.562 +.000 -.003	1.563 +.007 +.000
DSU12-1.37-25	1-3/8	1-5/8	1/4	.281 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.625 +.007 +.000	1.375 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU12-1.50-25	1-1/2	1-3/4	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.750 +.007 +.000	1.500 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
3/16" C/S										
DSU18-0.25-25	1/4	5/8	1/4	.281 +.015 +.000	.250 +.000 -.003	.251 +.003 +.000	.625 +.005 +.000	.250 +.000 -.003	.624 +.000 -.003	.625 +.005 +.000
DSU18-0.25-31	1/4	5/8	5/16	.343 +.015 +.000	.250 +.000 -.003	.251 +.003 +.000	.625 +.005 +.000	.250 +.000 -.003	.624 +.000 -.003	.625 +.005 +.000
DSU18-0.37-31	3/8	3/4	5/16	.343 +.015 +.000	.375 +.000 -.003	.376 +.003 +.000	.750 +.005 +.000	.375 +.000 -.003	.749 +.000 -.003	.750 +.005 +.000
DSU18-0.50-18	1/2	7/8	3/16	.218 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	.875 +.005 +.000	.500 +.000 -.003	.874 +.000 -.003	.875 +.005 +.000
DSU18-0.50-31	1/2	7/8	5/16	.343 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	.875 +.005 +.000	.500 +.000 -.003	.874 +.000 -.003	.875 +.005 +.000
DSU18-0.56-18	9/16	15/16	3/16	.218 +.015 +.000	.562 +.000 -.003	.564 +.003 +.000	.938 +.005 +.000	.562 +.000 -.003	.937 +.000 -.003	.938 +.005 +.000
DSU18-0.62-18	5/8	1	3/16	.218 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	1.000 +.005 +.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU18-0.62-25	5/8	1	1/4	.281 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	1.000 +.005 +.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU18-0.62-31	5/8	1	5/16	.343 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	1.000 +.005 +.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU18-0.75-18	3/4	1-1/8	3/16	.218 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.125 +.005 +.000	.750 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU18-0.75-25	3/4	1-1/8	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.125 +.005 +.000	.750 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU18-0.87-25	7/8	1-1/4	1/4	.281 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.250 +.005 +.000	.875 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU18-1.00-18	1	1-3/8	3/16	.218 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.375 +.005 +.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU18-1.00-25	1	1-3/8	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.375 +.005 +.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU18-1.00-31	1	1-3/8	5/16	.343 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.375 +.005 +.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU18-1.12-18	1-1/8	1-1/2	3/16	.218 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.500 +.007 +.000	1.125 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU18-1.12-25	1-1/8	1-1/2	1/4	.281 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.500 +.007 +.000	1.125 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU18-1.12-31	1-1/8	1-1/2	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.500 +.007 +.000	1.125 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU18-1.25-25	1-1/4	1-5/8	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.625 +.007 +.000	1.250 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU18-1.25-31	1-1/4	1-5/8	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.625 +.007 +.000	1.250 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU18-1.37-25	1-3/8	1-3/4	1/4	.281 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.750 +.007 +.000	1.375 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU18-1.37-31	1-3/8	1-3/4	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.750 +.007 +.000	1.375 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU18-1.43-25	1-7/16	1-13/16	1/4	.281 +.015 +.000	1.437 +.000 -.003	1.439 +.003 +.000	1.813 +.007 +.000	1.437 +.000 -.003	1.812 +.000 -.003	1.813 +.007 +.000
DSU18-1.50-18	1-1/2	1-7/8	3/16	.218 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU18-1.50-25	1-1/2	1-7/8	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU18-1.50-31	1-1/2	1-7/8	5/16	.343 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU18-1.50-37	1-1/2	1-7/8	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU18-1.62-25	1-5/8	2	1/4	.281 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.000 +.008 +.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU18-1.62-31	1-5/8	2	5/16	.343 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.000 +.008 +.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU18-1.62-37	1-5/8	2	3/8	.406 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.000 +.008 +.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU18-1.75-25	1-3/4	2-1/8	1/4	.281 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.008 +.000	1.750 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +.000
DSU18-1.75-37	1-3/4	2-1/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.008 +.000	1.750 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +.000
DSU18-1.87-37	1-7/8	2-1/4	3/8	.406 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.250 +.008 +.000	1.875 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU18-2.00-25	2	2-3/8	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.375 +.008 +.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU18-2.00-31	2	2-3/8	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.375 +.008 +.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU18-2.00-37	2	2-3/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.375 +.008 +.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU18-2.12-25	2-1/8	2-1/2	1/4	.281 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.500 +.008 +.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU18-2.12-31	2-1/8	2-1/2	5/16	.343 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.500 +.008 +.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU18-2.12-37	2-1/8	2-1/2	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.500 +.008 +.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU18-2.25-31	2-1/4	2-5/8	5/16	.343 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.625 +.008 +.000	2.250 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU18-2.25-37	2-1/4	2-5/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.625 +.008 +.000	2.250 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU18-2.37-37	2-3/8	2-3/4	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	2.750 +.008 +.000	2.375 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU18-2.50-25	2-1/2	2-7/8	1/4	.281 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	2.875 +.008 +.000	2.500 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU18-2.50-37	2-1/2	2-7/8	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	2.875 +.008 +.000	2.500 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU18-2.62-25	2-5/8	3	1/4	.281 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.000 +.008 +.000	2.625 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU18-2.62-37	2-5/8	3	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.000 +.008 +.000	2.625 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU18-2.87-25	2-7/8	3-1/4	1/4	.281 +.015 +.000	2.875 +.000 -.003	2.876 +.004 +.000	3.250 +.009 +.000	2.875 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU18-2.87-37	2-7/8	3-1/4	3/8	.406 +.015 +.000	2.875 +.000 -.003	2.876 +.004 +.000	3.250 +.009 +.000	2.875 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU18-3.00-37	3	3-3/8	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.375 +.009 +.000	3.000 +.000 -.004	3.374 +.000 -.004	3.375 +.009 +.000
DSU18-3.12-37	3-1/8	3-1/2	3/8	.406 +.015 +.000	3.125 +.000 -.004	3.126 +.004 +.000	3.500 +.009 +.000	3.125 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +.000
DSU18-3.25-37	3-1/4	3-5/8	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	3.625 +.009 +.000	3.250 +.000 -.004	3.624 +.000 -.004	3.625 +.009 +.000
DSU18-3.37-37	3-3/8	3-3/4	3/8	.406 +.015 +.000	3.375 +.000 -.004	3.376 +.004 +.000	3.750 +.009 +.000	3.375 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU18-3.50-37	3-1/2	3-7/8	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	3.875 +.009 +.000	3.500 +.000 -.004	3.874 +.000 -.004	3.875 +.009 +.000
DSU18-3.62-25	3-5/8	4	1/4	.281 +.015 +.000	3.625 +.000 -.004	3.626 +.004 +.000	4.000 +.009 +.000	3.625 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU18-3.62-37	3-5/8	4	3/8	.406 +.015 +.000	3.625 +.000 -.004	3.626 +.004 +.000	4.000 +.009 +.000	3.625 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU18-3.75-37	3-3/4	4-1/8	3/8	.406 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.125 +.009 +.000	3.750 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +.000
DSU18-4.00-37	4	4-3/8	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.375 +.009 +.000	4.000 +.000 -.004	4.374 +.000 -.004	4.375 +.009 +.000
DSU18-4.37-37	4-3/8	4-3/4	3/8	.406 +.015 +.000	4.375 +.000 -.004	4.376 +.004 +.000	4.750 +.009 +.000	4.375 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
1/4" C/S										
DSU25-0.50-25	1/2	1	1/4	.281 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	1.000 +.005 +.000	.500 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU25-0.50-37	1/2	1	3/8	.406 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	1.000 +.005 +.000	.500 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU25-0.62-25	5/8	1-1/8	1/4	.281 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	1.125 +.005 +.000	.625 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU25-0.62-37	5/8	1-1/8	3/8	.406 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	1.125 +.005 +.000	.625 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +.000
DSU25-0.68-37	11/16	1-3/16	3/8	.406 +.015 +.000	.687 +.000 -.003	.689 +.003 +.000	1.188 +.005 +.000	.687 +.000 -.003	1.187 +.000 -.003	1.188 +.005 +.000
DSU25-0.75-25	3/4	1-1/4	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.250 +.005 +.000	.750 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU25-0.75-37	3/4	1-1/4	3/8	.406 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.250 +.005 +.000	.750 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU25-0.87-25	7/8	1-3/8	1/4	.281 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.375 +.005 +.000	.875 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU25-0.87-37	7/8	1-3/8	3/8	.406 +.015 +.000	.875 +.000 -.003	.876 +.003 +.000	1.375 +.005 +.000	.875 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +.000
DSU25-0.93-25	15/16	1-7/16	1/4	.281 +.015 +.000	.937 +.000 -.003	.939 +.003 +.000	1.438 +.005 +.000	.937 +.000 -.003	1.437 +.000 -.003	1.438 +.005 +.000
DSU25-1.00-25	1	1-1/2	1/4	.281 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU25-1.00-31	1	1-1/2	5/16	.343 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU25-1.00-37	1	1-1/2	3/8	.406 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU25-1.12-31	1-1/8	1-5/8	5/16	.343 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.625 +.007 +.000	1.125 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU25-1.12-37	1-1/8	1-5/8	3/8	.406 +.015 +.000	1.125 +.000 -.003	1.126 +.003 +.000	1.625 +.007 +.000	1.125 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU25-1.18-25	1-3/16	1-11/16	1/4	.281 +.015 +.000	1.187 +.000 -.003	1.189 +.003 +.000	1.688 +.007 +.000	1.187 +.000 -.003	1.687 +.000 -.003	1.688 +.007 +.000
DSU25-1.25-25	1-1/4	1-3/4	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU25-1.25-31	1-1/4	1-3/4	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU25-1.25-37	1-1/4	1-3/4	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU25-1.37-25	1-3/8	1-7/8	1/4	.281 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.875 +.007 +.000	1.375 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU25-1.37-37	1-3/8	1-7/8	3/8	.406 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.875 +.007 +.000	1.375 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU25-1.50-25	1-1/2	2	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU25-1.50-31	1-1/2	2	5/16	.343 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU25-1.50-37	1-1/2	2	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU25-1.75-25	1-3/4	2-1/4	1/4	.281 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.250 +.008 +.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU25-1.75-31	1-3/4	2-1/4	5/16	.343 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.250 +.008 +.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU25-1.75-37	1-3/4	2-1/4	3/8	.406 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.250 +.008 +.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU25-2.00-25	2	2-1/2	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU25-2.00-37	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU25-2.12-37	2-1/8	2-5/8	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.625 +.008 +.000	2.125 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU25-2.25-31	2-1/4	2-3/4	5/16	.343 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.750 +.008 +.000	2.250 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU25-2.25-37	2-1/4	2-3/4	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.750 +.008 +.000	2.250 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU25-2.37-37	2-3/8	2-7/8	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	2.875 +.008 +.000	2.375 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU25-2.50-25	2-1/2	3	1/4	.281 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU25-2.50-31	2-1/2	3	5/16	.343 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU25-2.50-37	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU25-2.62-37	2-5/8	3-1/8	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.125 +.008 +.000	2.625 +.000 -.003	3.124 +.000 -.004	3.125 +.008 +.000
DSU25-2.75-37	2-3/4	3-1/4	3/8	.406 +.015 +.000	2.750 +.000 -.003	2.751 +.004 +.000	3.250 +.009 +.000	2.750 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU25-2.87-37	2-7/8	3-3/8	3/8	.406 +.015 +.000	2.875 +.000 -.003	2.876 +.004 +.000	3.375 +.009 +.000	2.875 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +.000
DSU25-3.00-25	3	3-1/2	1/4	.281 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.500 +.009 +.000	3.000 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +.000
DSU25-3.00-37	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.500 +.009 +.000	3.000 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +.000
DSU25-3.25-37	3-1/4	3-3/4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	3.750 +.009 +.000	3.250 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU25-3.37-37	3-3/8	3-7/8	3/8	.406 +.015 +.000	3.375 +.000 -.004	3.376 +.004 +.000	3.875 +.009 +.000	3.375 +.000 -.004	3.874 +.000 -.004	3.875 +.009 +.000
DSU25-3.50-25	3-1/2	4	1/4	.281 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.000 +.009 +.000	3.500 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU25-3.50-37	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.000 +.009 +.000	3.500 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU25-3.62-37	3-5/8	4-1/8	3/8	.406 +.015 +.000	3.625 +.000 -.004	3.626 +.004 +.000	4.125 +.009 +.000	3.625 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +.000
DSU25-3.75-37	3-3/4	4-1/4	3/8	.406 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.250 +.009 +.000	3.750 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +.000
DSU25-4.00-56	4	4-1/2	9/16	.594 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.500 +.009 +.000	4.000 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU25-4.12-56	4-1/8	4-5/8	9/16	.594 +.015 +.000	4.125 +.000 -.004	4.126 +.004 +.000	4.625 +.009 +.000	4.125 +.000 -.004	4.624 +.000 -.004	4.625 +.009 +.000
DSU25-4.25-37	4-1/4	4-3/4	3/8	.406 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	4.750 +.009 +.000	4.250 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
DSU25-4.50-37	4-1/2	5	3/8	.406 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.000 +.010 +.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU25-4.50-50	4-1/2	5	1/2	.531 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.000 +.010 +.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU25-4.50-56	4-1/2	5	9/16	.594 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.000 +.010 +.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU25-4.75-37	4-3/4	5-1/4	3/8	.406 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.250 +.010 +.000	4.750 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU25-4.75-56	4-3/4	5-1/4	9/16	.594 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.250 +.010 +.000	4.750 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +.000
DSU25-5.25-56	5-1/4	5-3/4	9/16	.594 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	5.750 +.010 +.000	5.250 +.000 -.004	5.749 +.000 -.004	5.750 +.010 +.000
DSU25-5.37-37	5-3/8	5-7/8	3/8	.406 +.015 +.000	5.375 +.000 -.004	5.376 +.004 +.000	5.875 +.010 +.000	5.375 +.000 -.004	5.874 +.000 -.004	5.875 +.010 +.000
DSU25-5.62-37	5-5/8	6-1/8	3/8	.406 +.015 +.000	5.625 +.000 -.004	5.626 +.004 +.000	6.125 +.010 +.000	5.625 +.000 -.004	6.124 +.000 -.004	6.125 +.010 +.000
DSU25-6.00-37	6	6-1/2	3/8	.406 +.015 +.000	6.000 +.000 -.004	6.001 +.004 +.000	6.500 +.010 +.000	6.000 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +.000
DSU25-6.00-56	6	6-1/2	9/16	.594 +.015 +.000	6.000 +.000 -.004	6.001 +.004 +.000	6.500 +.010 +.000	6.000 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +.000
DSU25-6.25-50	6-1/4	6-3/4	1/2	.531 +.015 +.000	6.250 +.000 -.004	6.251 +.004 +.000	6.750 +.010 +.000	6.250 +.000 -.004	6.749 +.000 -.004	6.750 +.010 +.000
DSU25-6.50-37	6-1/2	7	3/8	.406 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.000 +.011 +.000	6.500 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU25-6.50-50	6-1/2	7	1/2	.531 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.000 +.011 +.000	6.500 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU25-7.00-56	7	7-1/2	9/16	.594 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	7.500 +.011 +.000	7.000 +.000 -.005	7.499 +.000 -.004	7.500 +.011 +.000
DSU25-8.50-37	8-1/2	9	3/8	.406 +.015 +.000	8.500 +.000 -.005	8.501 +.004 +.000	9.000 +.012 +.000	8.500 +.000 -.005	8.999 +.000 -.004	9.000 +.012 +.000
5/16" C/S										
DSU31-1.25-37	1-1/4	1-7/8	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.875 +.007 +.000	1.250 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU31-1.25-50	1-1/4	1-7/8	1/2	.531 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.875 +.007 +.000	1.250 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU31-1.37-31	1-3/8	2	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	2.000 +.008 +.000	1.375 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +.000
DSU31-1.37-37	1-3/8	2	3/8	.406 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	2.000 +.008 +.000	1.375 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +.000
DSU31-1.50-37	1-1/2	2-1/8	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.125 +.008 +.000	1.500 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +.000
DSU31-1.62-37	1-5/8	2-1/4	3/8	.406 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.250 +.008 +.000	1.625 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU31-1.75-37	1-3/4	2-3/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.375 +.008 +.000	1.750 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU31-1.75-50	1-3/4	2-3/8	1/2	.531 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.375 +.008 +.000	1.750 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU31-1.87-37	1-7/8	2-1/2	3/8	.406 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.500 +.008 +.000	1.875 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU31-1.87-50	1-7/8	2-1/2	1/2	.531 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.500 +.008 +.000	1.875 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU31-2.00-25	2	2-5/8	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.625 +.008 +.000	2.000 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU31-2.00-31	2	2-5/8	5/16	.343 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.625 +.008 +.000	2.000 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU31-2.00-37	2	2-5/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.625 +.008 +.000	2.000 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU31-2.12-37	2-1/8	2-3/4	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.750 +.008 +.000	2.125 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU31-2.25-25	2-1/4	2-7/8	1/4	.281 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000	2.250 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU31-2.25-37	2-1/4	2-7/8	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000	2.250 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU31-2.25-50	2-1/4	2-7/8	1/2	.531 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.875 +.008 +.000	2.250 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU31-2.37-37	2-3/8	3	3/8	.406 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	3.000 +.008 +.000	2.375 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU31-2.37-50	2-3/8	3	1/2	.531 +.015 +.000	2.375 +.000 -.003	2.376 +.004 +.000	3.000 +.008 +.000	2.375 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU31-2.50-37	2-1/2	3-1/8	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.125 +.008 +.000	2.500 +.000 -.003	3.124 +.000 -.004	3.125 +.008 +.000
DSU31-2.50-50	2-1/2	3-1/8	1/2	.531 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.125 +.008 +.000	2.500 +.000 -.003	3.124 +.000 -.004	3.125 +.008 +.000

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU31-2.62-37	2-5/8	3-1/4	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.250 +.009 +.000	2.625 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU31-2.62-50	2-5/8	3-1/4	1/2	.531 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.250 +.009 +.000	2.625 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU31-2.87-37	2-7/8	3-1/2	3/8	.406 +.015 +.000	2.875 +.000 -.003	2.876 +.004 +.000	3.500 +.009 +.000	2.875 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU31-2.87-50	2-7/8	3-1/2	1/2	.531 +.015 +.000	2.875 +.000 -.003	2.876 +.004 +.000	3.500 +.009 +.000	2.875 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU31-3.00-37	3	3-5/8	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.625 +.009 +.000	3.000 +.000 -.004	3.624 +.000 -.004	3.625 +.009 +.000
DSU31-3.00-50	3	3-5/8	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.625 +.009 +.000	3.000 +.000 -.004	3.624 +.000 -.004	3.625 +.009 +.000
DSU31-3.12-37	3-1/8	3-3/4	3/8	.406 +.015 +.000	3.125 +.000 -.004	3.126 +.004 +.000	3.750 +.009 +.000	3.125 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU31-3.12-50	3-1/8	3-3/4	1/2	.531 +.015 +.000	3.125 +.000 -.004	3.126 +.004 +.000	3.750 +.009 +.000	3.125 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU31-3.50-37	3-1/2	4-1/8	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.125 +.009 +.000	3.500 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +.000
DSU31-3.50-50	3-1/2	4-1/8	1/2	.531 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.125 +.009 +.000	3.500 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +.000
DSU31-3.62-37	3-5/8	4-1/4	3/8	.406 +.015 +.000	3.625 +.000 -.004	3.626 +.004 +.000	4.250 +.009 +.000	3.625 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +.000
DSU31-3.87-37	3-7/8	4-1/2	3/8	.406 +.015 +.000	3.875 +.000 -.004	3.876 +.004 +.000	4.500 +.009 +.000	3.875 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU31-3.87-50	3-7/8	4-1/2	1/2	.531 +.015 +.000	3.875 +.000 -.004	3.876 +.004 +.000	4.500 +.009 +.000	3.875 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU31-4.00-37	4	4-5/8	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.625 +.009 +.000	4.000 +.000 -.004	4.624 +.000 -.004	4.625 +.009 +.000
DSU31-4.12-50	4-1/8	4-3/4	1/2	.531 +.015 +.000	4.125 +.000 -.004	4.126 +.004 +.000	4.750 +.009 +.000	4.125 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
DSU31-4.37-37	4-3/8	5	3/8	.406 +.015 +.000	4.375 +.000 -.004	4.376 +.004 +.000	5.000 +.010 +.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU31-4.37-50	4-3/8	5	1/2	.531 +.015 +.000	4.375 +.000 -.004	4.376 +.004 +.000	5.000 +.010 +.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU31-4.37-56	4-3/8	5	9/16	.594 +.015 +.000	4.375 +.000 -.004	4.376 +.004 +.000	5.000 +.010 +.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU31-4.50-37	4-1/2	5-1/8	3/8	.406 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.125 +.010 +.000	4.500 +.000 -.004	5.124 +.000 -.004	5.125 +.010 +.000
DSU31-4.50-62	4-1/2	5-1/8	5/8	.656 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.125 +.010 +.000	4.500 +.000 -.004	5.124 +.000 -.004	5.125 +.010 +.000
DSU31-4.75-37	4-3/4	5-3/8	3/8	.406 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.375 +.010 +.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +.000
DSU31-4.75-50	4-3/4	5-3/8	1/2	.531 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.375 +.010 +.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +.000
DSU31-4.75-62	4-3/4	5-3/8	5/8	.656 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.375 +.010 +.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +.000
DSU31-4.87-37	4-7/8	5-1/2	3/8	.406 +.015 +.000	4.875 +.000 -.004	4.876 +.004 +.000	5.500 +.010 +.000	4.875 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +.000
DSU31-4.87-50	4-7/8	5-1/2	1/2	.531 +.015 +.000	4.875 +.000 -.004	4.876 +.004 +.000	5.500 +.010 +.000	4.875 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +.000
DSU31-5.12-37	5-1/8	5-3/4	3/8	.406 +.015 +.000	5.125 +.000 -.004	5.126 +.004 +.000	5.750 +.010 +.000	5.125 +.000 -.004	5.749 +.000 -.004	5.750 +.010 +.000
DSU31-5.12-50	5-1/8	5-3/4	1/2	.531 +.015 +.000	5.125 +.000 -.004	5.126 +.004 +.000	5.750 +.010 +.000	5.125 +.000 -.004	5.749 +.000 -.004	5.750 +.010 +.000
DSU31-5.25-37	5-1/4	5-7/8	3/8	.406 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	5.875 +.010 +.000	5.250 +.000 -.004	5.874 +.000 -.004	5.875 +.010 +.000
DSU31-5.37-37	5-3/8	6	3/8	.406 +.015 +.000	5.375 +.000 -.004	5.376 +.004 +.000	6.000 +.010 +.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU31-5.37-50	5-3/8	6	1/2	.531 +.015 +.000	5.375 +.000 -.004	5.376 +.004 +.000	6.000 +.010 +.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU31-5.37-62	5-3/8	6	5/8	.656 +.015 +.000	5.375 +.000 -.004	5.376 +.004 +.000	6.000 +.010 +.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU31-5.50-37	5-1/2	6-1/8	3/8	.406 +.015 +.000	5.500 +.000 -.004	5.501 +.004 +.000	6.125 +.010 +.000	5.500 +.000 -.004	6.124 +.000 -.004	6.125 +.010 +.000
DSU31-5.62-50	5-5/8	6-1/4	1/2	.531 +.015 +.000	5.625 +.000 -.004	5.626 +.004 +.000	6.250 +.010 +.000	5.625 +.000 -.004	6.249 +.000 -.004	6.250 +.010 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU31-5.87-37	5-7/8	6-1/2	3/8	.406 +.015 +.000	5.875 +.000 -.004	5.876 +.004 +.000	6.500 +.010 +.000	5.875 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +.000
3/8" C/S										
DSU37-1.25-37	1-1/4	2	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	2.000 +.008 +.000	1.250 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +.000
DSU37-1.25-43	1-1/4	2	7/16	.468 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	2.000 +.008 +.000	1.250 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +.000
DSU37-1.25-50	1-1/4	2	1/2	.531 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	2.000 +.008 +.000	1.250 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +.000
DSU37-1.50-37	1-1/2	2-1/4	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.250 +.008 +.000	1.500 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU37-1.50-50	1-1/2	2-1/4	1/2	.531 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.250 +.008 +.000	1.500 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +.000
DSU37-1.62-37	1-5/8	2-3/8	3/8	.406 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.375 +.008 +.000	1.625 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU37-1.62-50	1-5/8	2-3/8	1/2	.531 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.375 +.008 +.000	1.625 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU37-1.75-37	1-3/4	2-1/2	3/8	.406 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.500 +.008 +.000	1.750 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU37-1.75-62	1-3/4	2-1/2	5/8	.656 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.500 +.008 +.000	1.750 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU37-2.00-37	2	2-3/4	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.750 +.008 +.000	2.000 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU37-2.00-50	2	2-3/4	1/2	.531 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.750 +.008 +.000	2.000 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU37-2.25-37	2-1/4	3	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	3.000 +.008 +.000	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU37-2.25-50	2-1/4	3	1/2	.531 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	3.000 +.008 +.000	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU37-2.25-62	2-1/4	3	5/8	.656 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	3.000 +.008 +.000	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU37-2.50-37	2-1/2	3-1/4	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.250 +.009 +.000	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU37-2.50-50	2-1/2	3-1/4	1/2	.531 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.250 +.009 +.000	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU37-2.50-62	2-1/2	3-1/4	5/8	.656 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.250 +.009 +.000	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +.000
DSU37-2.62-37	2-5/8	3-3/8	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.375 +.009 +.000	2.625 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +.000
DSU37-2.62-62	2-5/8	3-3/8	5/8	.656 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.375 +.009 +.000	2.625 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +.000
DSU37-2.75-37	2-3/4	3-1/2	3/8	.406 +.015 +.000	2.750 +.000 -.003	2.751 +.004 +.000	3.500 +.009 +.000	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU37-2.75-50	2-3/4	3-1/2	1/2	.531 +.015 +.000	2.750 +.000 -.003	2.751 +.004 +.000	3.500 +.009 +.000	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU37-2.75-62	2-3/4	3-1/2	5/8	.656 +.015 +.000	2.750 +.000 -.003	2.751 +.004 +.000	3.500 +.009 +.000	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU37-3.00-37	3	3-3/4	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU37-3.00-50	3	3-3/4	1/2	.531 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU37-3.00-62	3	3-3/4	5/8	.656 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.750 +.009 +.000	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +.000
DSU37-3.25-37	3-1/4	4	3/8	.406 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	4.000 +.009 +.000	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU37-3.25-50	3-1/4	4	1/2	.531 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	4.000 +.009 +.000	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU37-3.25-62	3-1/4	4	5/8	.656 +.015 +.000	3.250 +.000 -.004	3.251 +.004 +.000	4.000 +.009 +.000	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU37-3.50-37	3-1/2	4-1/4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.250 +.009 +.000	3.500 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +.000
DSU37-3.50-50	3-1/2	4-1/4	1/2	.531 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.250 +.009 +.000	3.500 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +.000
DSU37-3.50-62	3-1/2	4-1/4	5/8	.656 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.250 +.009 +.000	3.500 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +.000



STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU37-3.75-37	3-3/4	4-1/2	3/8	.406 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.500 +.009 +.000	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU37-3.75-50	3-3/4	4-1/2	1/2	.531 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.500 +.009 +.000	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU37-3.75-62	3-3/4	4-1/2	5/8	.656 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	4.500 +.009 +.000	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU37-4.00-37	4	4-3/4	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000	4.000 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
DSU37-4.00-50	4	4-3/4	1/2	.531 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000	4.000 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
DSU37-4.00-62	4	4-3/4	5/8	.656 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000	4.000 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +.000
DSU37-4.12-62	4-1/8	4-7/8	5/8	.656 +.015 +.000	4.125 +.000 -.004	4.126 +.004 +.000	4.875 +.009 +.000	4.125 +.000 -.004	4.874 +.000 -.004	4.875 +.009 +.000
DSU37-4.25-37	4-1/4	5	3/8	.406 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	5.000 +.010 +.000	4.250 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU37-4.25-50	4-1/4	5	1/2	.531 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	5.000 +.010 +.000	4.250 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU37-4.25-62	4-1/4	5	5/8	.656 +.015 +.000	4.250 +.000 -.004	4.251 +.004 +.000	5.000 +.010 +.000	4.250 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
DSU37-4.50-50	4-1/2	5-1/4	1/2	.531 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.250 +.010 +.000	4.500 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +.000
DSU37-4.50-62	4-1/2	5-1/4	5/8	.656 +.015 +.000	4.500 +.000 -.004	4.501 +.004 +.000	5.250 +.010 +.000	4.500 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +.000
DSU37-4.62-50	4-5/8	5-3/8	1/2	.531 +.015 +.000	4.625 +.000 -.004	4.626 +.004 +.000	5.375 +.010 +.000	4.625 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +.000
DSU37-4.75-50	4-3/4	5-1/2	1/2	.531 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.500 +.010 +.000	4.750 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +.000
DSU37-4.75-62	4-3/4	5-1/2	5/8	.656 +.015 +.000	4.750 +.000 -.004	4.751 +.004 +.000	5.500 +.010 +.000	4.750 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +.000
DSU37-4.87-50	4-7/8	5-5/8	1/2	.531 +.015 +.000	4.875 +.000 -.004	4.876 +.004 +.000	5.625 +.010 +.000	4.875 +.000 -.004	5.624 +.000 -.004	5.625 +.010 +.000
DSU37-5.25-37	5-1/4	6	3/8	.406 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	6.000 +.010 +.000	5.250 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU37-5.25-50	5-1/4	6	1/2	.531 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	6.000 +.010 +.000	5.250 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU37-5.25-62	5-1/4	6	5/8	.656 +.015 +.000	5.250 +.000 -.004	5.251 +.004 +.000	6.000 +.010 +.000	5.250 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +.000
DSU37-5.37-50	5-3/8	6-1/8	1/2	.531 +.015 +.000	5.375 +.000 -.004	5.376 +.004 +.000	6.125 +.010 +.000	5.375 +.000 -.004	6.124 +.000 -.004	6.125 +.010 +.000
DSU37-5.50-37	5-1/2	6-1/4	3/8	.406 +.015 +.000	5.500 +.000 -.004	5.501 +.004 +.000	6.250 +.010 +.000	5.500 +.000 -.004	6.249 +.000 -.004	6.250 +.010 +.000
DSU37-5.50-50	5-1/2	6-1/4	1/2	.531 +.015 +.000	5.500 +.000 -.004	5.501 +.004 +.000	6.250 +.010 +.000	5.500 +.000 -.004	6.249 +.000 -.004	6.250 +.010 +.000
DSU37-5.62-62	5-5/8	6-3/8	5/8	.656 +.015 +.000	5.625 +.000 -.004	5.626 +.004 +.000	6.375 +.010 +.000	5.625 +.000 -.004	6.374 +.000 -.004	6.375 +.010 +.000
DSU37-5.75-50	5-3/4	6-1/2	1/2	.531 +.015 +.000	5.750 +.000 -.004	5.751 +.004 +.000	6.500 +.010 +.000	5.750 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +.000
DSU37-5.75-62	5-3/4	6-1/2	5/8	.656 +.015 +.000	5.750 +.000 -.004	5.751 +.004 +.000	6.500 +.010 +.000	5.750 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +.000
DSU37-6.25-50	6-1/4	7	1/2	.531 +.015 +.000	6.250 +.000 -.004	6.251 +.004 +.000	7.000 +.011 +.000	6.250 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU37-6.25-62	6-1/4	7	5/8	.656 +.015 +.000	6.250 +.000 -.004	6.251 +.004 +.000	7.000 +.011 +.000	6.250 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU37-6.50-50	6-1/2	7-1/4	1/2	.531 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.250 +.011 +.000	6.500 +.000 -.004	7.249 +.000 -.004	7.250 +.011 +.000
DSU37-6.50-62	6-1/2	7-1/4	5/8	.656 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.250 +.011 +.000	6.500 +.000 -.004	7.249 +.000 -.004	7.250 +.011 +.000
DSU37-6.75-50	6-3/4	7-1/2	1/2	.531 +.015 +.000	6.750 +.000 -.004	6.751 +.004 +.000	7.500 +.011 +.000	6.750 +.000 -.004	7.499 +.000 -.004	7.500 +.011 +.000
DSU37-7.00-50	7	7-3/4	1/2	.531 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	7.750 +.011 +.000	7.000 +.000 -.005	7.749 +.000 -.004	7.750 +.011 +.000
DSU37-7.00-62	7	7-3/4	5/8	.656 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	7.750 +.011 +.000	7.000 +.000 -.005	7.749 +.000 -.004	7.750 +.011 +.000
DSU37-7.25-50	7-1/4	8	1/2	.531 +.015 +.000	7.250 +.000 -.005	7.251 +.004 +.000	8.000 +.011 +.000	7.250 +.000 -.005	7.999 +.000 -.004	8.000 +.011 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

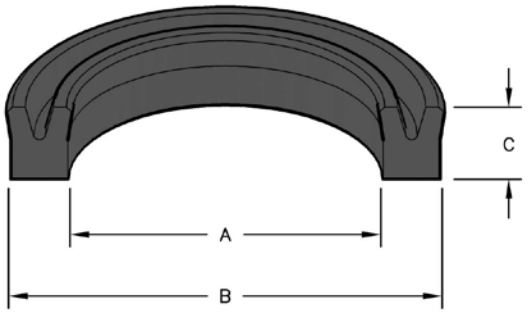
STYLE DSU HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU37-7.75-50	7-3/4	8-1/2	1/2	.531 +.015 +.000	7.750 +.000 -.005	7.751 +.004 +.000	8.500 +.011 +.000	7.750 +.000 -.005	8.499 +.000 -.004	8.500 +.011 +.000
DSU37-8.25-50	8-1/4	9	1/2	.531 +.015 +.000	8.250 +.000 -.005	8.251 +.004 +.000	9.000 +.012 +.000	8.250 +.000 -.005	8.999 +.000 -.004	9.000 +.012 +.000
DSU37-8.50-62	8-1/2	9-1/4	5/8	.656 +.015 +.000	8.500 +.000 -.005	8.501 +.004 +.000	9.250 +.012 +.000	8.500 +.000 -.005	9.249 +.000 -.004	9.250 +.012 +.000
1/2" C/S										
DSU50-1.87-62	1-7/8	2-7/8	5/8	.656 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.875 +.008 +.000	1.875 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000
DSU50-2.50-68	2-1/2	3-1/2	11/16	.718 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.500 +.009 +.000	2.500 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +.000
DSU50-3.00-62	3	4	5/8	.656 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	4.000 +.009 +.000	3.000 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
DSU50-3.50-50	3-1/2	4-1/2	1/2	.531 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.500 +.009 +.000	3.500 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU50-3.50-62	3-1/2	4-1/2	5/8	.656 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.500 +.009 +.000	3.500 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +.000
DSU50-6.00-62	6	7	5/8	.656 +.015 +.000	6.000 +.000 -.004	6.001 +.004 +.000	7.000 +.011 +.000	6.000 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU50-6.00-75	6	7	3/4	.781 +.015 +.000	6.000 +.000 -.004	6.001 +.004 +.000	7.000 +.011 +.000	6.000 +.000 -.004	6.999 +.000 -.004	7.000 +.011 +.000
DSU50-6.50-75	6-1/2	7-1/2	3/4	.781 +.015 +.000	6.500 +.000 -.004	6.501 +.004 +.000	7.500 +.011 +.000	6.500 +.000 -.004	7.499 +.000 -.004	7.500 +.011 +.000
DSU50-7.00-62	7	8	5/8	.656 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	8.000 +.011 +.000	7.000 +.000 -.005	7.999 +.000 -.004	8.000 +.011 +.000
DSU50-7.00-75	7	8	3/4	.781 +.015 +.000	7.000 +.000 -.005	7.001 +.004 +.000	8.000 +.011 +.000	7.000 +.000 -.005	7.999 +.000 -.004	8.000 +.011 +.000
DSU50-7.50-75	7-1/2	8-1/2	3/4	.781 +.015 +.000	7.500 +.000 -.005	7.501 +.004 +.000	8.500 +.011 +.000	7.500 +.000 -.005	8.499 +.000 -.004	8.500 +.011 +.000
DSU50-7.75-75	7-3/4	8-3/4	3/4	.781 +.015 +.000	7.750 +.000 -.005	7.751 +.004 +.000	8.750 +.011 +.000	7.750 +.000 -.005	8.749 +.000 -.004	8.750 +.011 +.000
DSU50-8.00-62	8	9	5/8	.656 +.015 +.000	8.000 +.000 -.005	8.001 +.004 +.000	9.000 +.012 +.000	8.000 +.000 -.005	8.999 +.000 -.004	9.000 +.012 +.000
DSU50-8.00-75	8	9	3/4	.781 +.015 +.000	8.000 +.000 -.005	8.001 +.004 +.000	9.000 +.012 +.000	8.000 +.000 -.005	8.999 +.000 -.004	9.000 +.012 +.000
DSU50-9.00-62	9	10	5/8	.656 +.015 +.000	9.000 +.000 -.005	9.001 +.004 +.000	10.000 +.012 +.000	9.000 +.000 -.005	9.999 +.000 -.004	10.000 +.012 +.000
DSU50-9.00-75	9	10	3/4	.781 +.015 +.000	9.000 +.000 -.005	9.001 +.004 +.000	10.000 +.012 +.000	9.000 +.000 -.005	9.999 +.000 -.004	10.000 +.012 +.000
DSU50-10.00-75	10	11	3/4	.781 +.015 +.000	10.000 +.000 -.006	10.001 +.004 +.000	11.000 +.012 +.000	10.000 +.000 -.006	10.999 +.000 -.004	11.000 +.012 +.000
DSU50-11.00-75	11	12	3/4	.781 +.015 +.000	11.000 +.000 -.006	11.001 +.004 +.000	12.000 +.012 +.000	11.000 +.000 -.006	11.999 +.000 -.004	12.000 +.012 +.000
DSU50-12.00-75	12	13	3/4	.781 +.015 +.000	12.000 +.000 -.006	12.001 +.004 +.000	13.000 +.012 +.000	12.000 +.000 -.006	12.999 +.000 -.004	13.000 +.012 +.000
DSU50-15.00-75	15	16	3/4	.781 +.015 +.000	15.000 +.000 -.006	15.001 +.004 +.000	16.000 +.012 +.000	15.000 +.000 -.006	15.999 +.000 -.004	16.000 +.012 +.000
DSU50-17.00-75	17	18	3/4	.781 +.015 +.000	17.000 +.000 -.006	17.001 +.004 +.000	18.000 +.012 +.000	17.000 +.000 -.006	17.999 +.000 -.004	18.000 +.012 +.000
5/8" C/S										
DSU62-3.75-62	3-3/4	5	5/8	.656 +.015 +.000	3.750 +.000 -.004	3.751 +.004 +.000	5.000 +.010 +.000	3.750 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +.000
3/4" C/S										
DSU75-12.50-100	12-1/2	14	1	1.031 +.015 +.000	12.500 +.000 -.006	12.501 +.004 +.000	14.000 +.012 +.000	12.500 +.000 -.006	13.999 +.000 -.004	14.000 +.012 +.000

Seal color may vary.

STYLE DSU-BHT HEAVY DUTY SYMMETRICAL U-SEALS

Style DSU-BHT symmetrical seals are molded in Freudenberg® AU 30000 urethane. Used interchangeably for piston or rod sealing. This high tear-resistant urethane demonstrates stability throughout a wide range of temperatures. In addition, this material is well suited to mineral and biodegradable hydraulic fluids as well as being resistant to hydrolysis.

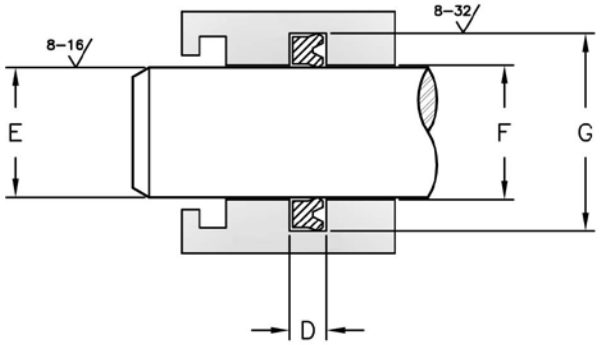


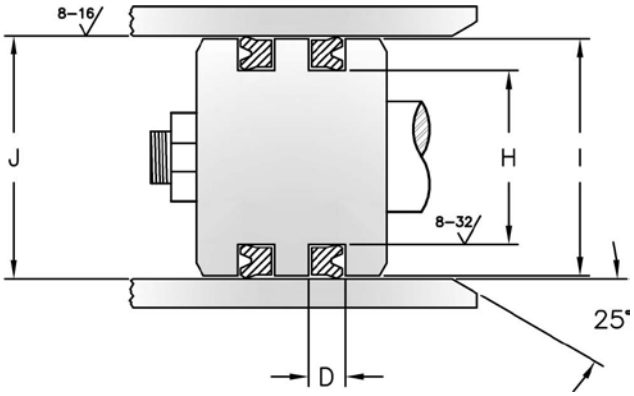
PART NUMBERS

DSU 12 - 0.50 - 12 BHT

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-31°F TO 250°F
PRESSURE RANGE	0 TO 5000 PSI
SPEED	1.5 FT/SEC





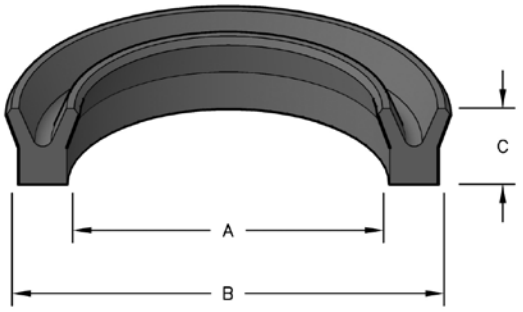
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
DSU12-0.50-12-BHT	1/2	3/4	1/8	.156 +.015 +.000	.500 +.000 -.003	.501 +.003 +.000	.750 +.005 +.000	.500 +.000 -.003	.749 +.000 -.003	.750 +.005 +.000
DSU12-0.62-12-BHT	5/8	7/8	1/8	.156 +.015 +.000	.625 +.000 -.003	.626 +.003 +.000	.875 +.005 +.000	.625 +.000 -.003	.874 +.000 -.003	.875 +.005 +.000
DSU12-0.75-12-BHT	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU12-0.75-18-BHT	3/4	1	3/16	.218 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU12-0.75-25-BHT	3/4	1	1/4	.281 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.000 +.005 +.000
DSU12-1.00-12-BHT	1	1-1/4	1/8	.156 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.00-18-BHT	1	1-1/4	3/16	.218 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.250 +.005 +.000	1.000 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +.000
DSU12-1.25-18-BHT	1-1/4	1-1/2	3/16	.218 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU12-1.25-25-BHT	1-1/4	1-1/2	1/4	.281 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.500 +.007 +.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
3/16" C/S										
DSU18-1.25-31-BHT	1-1/4	1-5/8	5/16	.343 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.625 +.007 +.000	1.250 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +.000
DSU18-1.37-31-BHT	1-3/8	1-3/4	5/16	.343 +.015 +.000	1.375 +.000 -.003	1.376 +.003 +.000	1.750 +.007 +.000	1.375 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU18-1.50-25-BHT	1-1/2	1-7/8	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000

STYLE DSU-BHT HEAVY DUTY SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
DSU18-1.50-37-BHT	1-1/2	1-7/8	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	1.875 +.007 +.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +.000
DSU18-1.62-25-BHT	1-5/8	2	1/4	.281 +.015 +.000	1.625 +.000 -.003	1.626 +.003 +.000	2.000 +.008 +.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU18-1.75-37-BHT	1-3/4	2-1/8	3/8	.406 +.015 +.000	1.750 +.000 -.003	1.751 +.003 +.000	2.125 +.008 +.000	1.750 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +.000
DSU18-2.00-37-BHT	2	2-3/8	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.375 +.008 +.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +.000
DSU18-2.62-37-BHT	2-5/8	3	3/8	.406 +.015 +.000	2.625 +.000 -.003	2.626 +.004 +.000	3.000 +.008 +.000	2.625 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
1/4" C/S										
DSU25-1.00-37-BHT	1	1-1/2	3/8	.406 +.015 +.000	1.000 +.000 -.003	1.001 +.003 +.000	1.500 +.007 +.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +.000
DSU25-1.25-37-BHT	1-1/4	1-3/4	3/8	.406 +.015 +.000	1.250 +.000 -.003	1.251 +.003 +.000	1.750 +.007 +.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +.000
DSU25-1.50-25-BHT	1-1/2	2	1/4	.281 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU25-1.50-37-BHT	1-1/2	2	3/8	.406 +.015 +.000	1.500 +.000 -.003	1.501 +.003 +.000	2.000 +.008 +.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +.000
DSU25-2.00-25-BHT	2	2-1/2	1/4	.281 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU25-2.00-37-BHT	2	2-1/2	3/8	.406 +.015 +.000	2.000 +.000 -.003	2.001 +.004 +.000	2.500 +.008 +.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +.000
DSU25-2.12-37-BHT	2-1/8	2-5/8	3/8	.406 +.015 +.000	2.125 +.000 -.003	2.126 +.004 +.000	2.625 +.008 +.000	2.125 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +.000
DSU25-2.25-37-BHT	2-1/4	2-3/4	3/8	.406 +.015 +.000	2.250 +.000 -.003	2.251 +.004 +.000	2.750 +.008 +.000	2.250 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +.000
DSU25-2.50-25-BHT	2-1/2	3	1/4	.281 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU25-2.50-37-BHT	2-1/2	3	3/8	.406 +.015 +.000	2.500 +.000 -.003	2.501 +.004 +.000	3.000 +.008 +.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +.000
DSU25-3.00-37-BHT	3	3-1/2	3/8	.406 +.015 +.000	3.000 +.000 -.004	3.001 +.004 +.000	3.500 +.009 +.000	3.000 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +.000
DSU25-3.50-37-BHT	3-1/2	4	3/8	.406 +.015 +.000	3.500 +.000 -.004	3.501 +.004 +.000	4.000 +.009 +.000	3.500 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +.000
1/2" C/S										
DSU50-1.87-62-BHT	1-7/8	2-7/8	5/8	.656 +.015 +.000	1.875 +.000 -.003	1.876 +.003 +.000	2.875 +.008 +.000	1.875 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +.000

STYLE HU SYMMETRICAL URETHANE U-SEALS

Style HU seals feature a reverse bevel lip design and are molded from high quality urethane. The balanced symmetrical design makes them ideal for rod or piston applications.

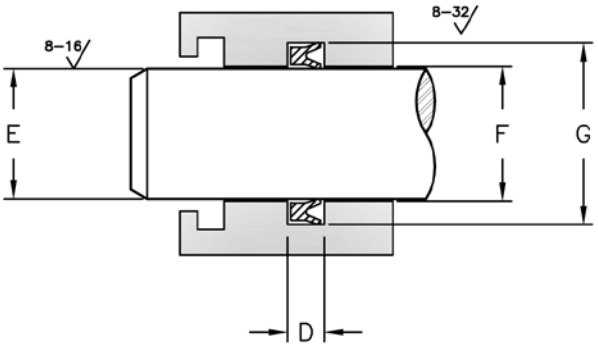


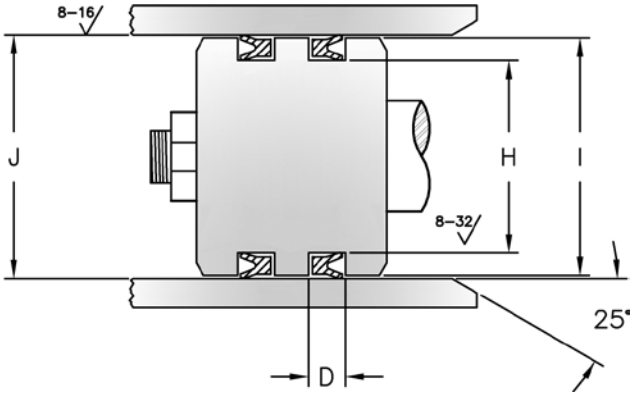
PART NUMBERS

HU 12 - 0.62 - 12

- HU — Type of Seal
- 12 — Cross Section
- 0.62 — Inside Diameter
- 12 — Height

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-50° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
HU12-0.62-12	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
HU12-0.62-18	5/8	7/8	3/16	.207 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
HU12-0.75-25	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
HU12-0.87-25	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
HU12-1.00-25	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
HU12-1.12-12	1-1/8	1-3/8	1/8	.138 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
HU12-1.25-25	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
HU12-1.50-25	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
5/32" C/S										
HU15-1.00-21	1	1-5/16	7/32	.241 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.312 +.000 -.002	1.313 +.002 +.000
HU15-1.37-21	1-3/8	1-11/16	7/32	.241 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.687 +.000 -.002	1.688 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE HU SYMMETRICAL URETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
3/16" C/S										
HU18-0.37-25	3/8	3/4	1/4	.275 +.015 +.000	.375 +.000 -.002	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.002	.749 +.000 -.002	.750 +.002 +.000
HU18-0.87-25	7/8	1-1/4	1/4	.275 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
HU18-1.00-25	1	1-3/8	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
HU18-1.12-18	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
HU18-1.12-25	1-1/8	1-1/2	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
HU18-1.25-18	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
HU18-1.25-25	1-1/4	1-5/8	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
HU18-1.25-31	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
HU18-1.25-37	1-1/4	1-5/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
HU18-1.37-18	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
HU18-1.50-25	1-1/2	1-7/8	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
HU18-1.50-31	1-1/2	1-7/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
HU18-1.62-18	1-5/8	2	3/16	.207 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
HU18-1.62-31	1-5/8	2	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
HU18-1.75-18	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
HU18-1.75-25	1-3/4	2-1/8	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
HU18-1.75-37	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
HU18-2.00-18	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
HU18-2.00-25	2	2-3/8	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
HU18-2.00-31	2	2-3/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
HU18-2.00-37	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
HU18-2.12-18	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
HU18-2.12-37	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
HU18-2.50-25	2-1/2	2-7/8	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
HU18-2.50-37	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
HU18-2.62-37	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
HU18-3.00-18	3	3-3/8	3/16	.207 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
HU18-3.12-37	3-1/8	3-1/2	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
HU18-3.62-37	3-5/8	4	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
HU18-3.87-18	3-7/8	4-1/4	3/16	.207 +.015 +.000	3.875 +.000 -.002	3.876 +.002 +.000	4.250 +.002 +.000	3.875 +.000 -.002	4.249 +.000 -.002	4.250 +.002 +.000
7/32" C/S										
HU21-2.50-28	2-1/2	2-15/16	9/32	.310 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.937 +.000 -.002	2.938 +.002 +.000
HU21-2.81-28	2-13/16	3-1/4	9/32	.310 +.015 +.000	2.812 +.000 -.002	2.813 +.003 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000

STYLE HU SYMMETRICAL URETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HU21-3.00-28	3	3-7/16	9/32	.310 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.437 +.000 -.002	3.438 +.002 +.000
1/4" C/S										
HU25-0.93-56	15/16	1-7/16	9/16	.619 +.015 +.000	.937 +.000 -.002	.939 +.003 +.000	1.438 +.003 +.000	.937 +.000 -.003	1.437 +.000 -.002	1.438 +.003 +.000
HU25-1.00-25	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
HU25-1.00-31	1	1-1/2	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
HU25-1.00-37	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
HU25-1.12-25	1-1/8	1-5/8	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
HU25-1.25-25	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
HU25-1.25-37	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
HU25-1.37-37	1-3/8	1-7/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
HU25-1.50-31	1-1/2	2	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
HU25-1.50-37	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
HU25-1.75-25	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
HU25-1.75-37	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
HU25-2.00-25	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
HU25-2.00-31	2	2-1/2	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
HU25-2.00-37	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
HU25-2.00-50	2	2-1/2	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
HU25-2.25-25	2-1/4	2-3/4	1/4	.275 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
HU25-2.25-37	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
HU25-2.50-25	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
HU25-2.50-37	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
HU25-2.75-25	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
HU25-2.75-37	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
HU25-2.87-37	2-7/8	3-3/8	3/8	.413 +.015 +.000	2.875 +.000 -.002	2.876 +.003 +.000	3.375 +.003 +.000	2.875 +.000 -.003	3.374 +.000 -.002	3.375 +.003 +.000
HU25-3.00-25	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
HU25-3.00-37	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
HU25-3.25-31	3-1/4	3-3/4	5/16	.344 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
HU25-3.25-37	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
HU25-3.37-37	3-3/8	3-7/8	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.376 +.003 +.000	3.875 +.003 +.000	3.375 +.000 -.003	3.874 +.000 -.002	3.875 +.003 +.000
HU25-3.50-31	3-1/2	4	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
HU25-3.50-37	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
HU25-3.50-50	3-1/2	4	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000

STYLE HU SYMMETRICAL URETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HU25-3.75-37	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
HU25-4.00-25	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
HU25-4.00-31	4	4-1/2	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
HU25-4.00-37	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
HU25-4.00-50	4	4-1/2	1/2	.550 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
HU25-4.00-56	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
HU25-4.25-25	4-1/4	4-3/4	1/4	.275 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
HU25-4.50-25	4-1/2	5	1/4	.275 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
HU25-4.50-31	4-1/2	5	5/16	.344 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
HU25-4.50-37	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
HU25-4.50-50	4-1/2	5	1/2	.550 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
HU25-4.50-56	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
HU25-4.75-25	4-3/4	5-1/4	1/4	.275 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
HU25-5.00-25	5	5-1/2	1/4	.275 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
HU25-5.00-37	5	5-1/2	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
HU25-5.00-56	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
HU25-5.50-25	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
HU25-5.50-37	5-1/2	6	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
HU25-5.50-56	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
HU25-5.75-25	5-3/4	6-1/4	1/4	.275 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
HU25-6.00-56	6	6-1/2	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
HU25-6.50-25	6-1/2	7	1/4	.275 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
9/32" C/S										
HU28-5.00-34	5	5-9/16	11/32	.379 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.562 +.000 -.002	5.563 +.003 +.000
5/16" C/S										
HU31-1.25-37	1-1/4	1-7/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.874 +.000 -.002	1.875 +.003 +.000
HU31-1.37-31	1-3/8	2	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.999 +.000 -.002	2.000 +.003 +.000
HU31-1.75-31	1-3/4	2-3/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.374 +.000 -.002	2.375 +.003 +.000
HU31-2.00-50	2	2-5/8	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.624 +.000 -.002	2.625 +.003 +.000
HU31-2.25-50	2-1/4	2-7/8	1/2	.550 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.874 +.000 -.002	2.875 +.003 +.000
HU31-2.37-31	2-3/8	3	5/16	.344 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.999 +.000 -.002	3.000 +.003 +.000
HU31-2.50-50	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.124 +.000 -.002	3.125 +.003 +.000
HU31-3.87-50	3-7/8	4-1/2	1/2	.550 +.015 +.000	3.875 +.000 -.002	3.876 +.003 +.000	4.500 +.004 +.000	3.875 +.000 -.004	4.499 +.000 -.002	4.500 +.003 +.000

STYLE HU SYMMETRICAL URETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HU31-5.25-62	5-1/4	5-7/8	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.875 +.004 +.000	5.250 +.000 -.004	5.874 +.000 -.002	5.875 +.003 +.000
HU31-5.37-37	5-3/8	6	3/8	.413 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.999 +.000 -.002	6.000 +.003 +.000
HU31-5.37-50	5-3/8	6	1/2	.550 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.999 +.000 -.002	6.000 +.003 +.000
HU31-5.37-62	5-3/8	6	5/8	.688 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.999 +.000 -.002	6.000 +.003 +.000
HU31-5.50-37	5-1/2	6-1/8	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.124 +.000 -.002	6.125 +.003 +.000
HU31-6.50-62	6-1/2	7-1/8	5/8	.688 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.125 +.004 +.000	6.500 +.000 -.004	7.124 +.000 -.002	7.125 +.003 +.000
3/8" C/S										
HU37-2.25-50	2-1/4	3	1/2	.550 +.015 +.000	2.250 +.000 -.002	2.251 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.999 +.000 -.002	3.000 +.004 +.000
HU37-2.50-37	2-1/2	3-1/4	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.249 +.000 -.002	3.250 +.004 +.000
HU37-2.62-62	2-5/8	3-3/8	5/8	.688 +.015 +.000	2.625 +.000 -.002	2.626 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.374 +.000 -.002	3.375 +.004 +.000
HU37-2.75-50	2-3/4	3-1/2	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.751 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.499 +.000 -.002	3.500 +.004 +.000
HU37-2.75-62	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.751 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.499 +.000 -.002	3.500 +.004 +.000
HU37-3.00-62	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.001 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.749 +.000 -.002	3.750 +.004 +.000
HU37-3.12-62	3-1/8	3-7/8	5/8	.688 +.015 +.000	3.125 +.000 -.002	3.126 +.004 +.000	3.875 +.005 +.000	3.125 +.000 -.005	3.874 +.000 -.002	3.875 +.004 +.000
HU37-3.25-37	3-1/4	4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.999 +.000 -.002	4.000 +.004 +.000
HU37-3.25-50	3-1/4	4	1/2	.550 +.015 +.000	3.250 +.000 -.002	3.251 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.999 +.000 -.002	4.000 +.004 +.000
HU37-3.37-87	3-3/8	4-1/8	7/8	.963 +.015 +.000	3.375 +.000 -.002	3.376 +.004 +.000	4.125 +.005 +.000	3.375 +.000 -.005	4.124 +.000 -.002	4.125 +.004 +.000
HU37-3.75-50	3-3/4	4-1/2	1/2	.550 +.015 +.000	3.750 +.000 -.002	3.751 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.499 +.000 -.002	4.500 +.004 +.000
HU37-3.75-62	3-3/4	4-1/2	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.751 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.499 +.000 -.002	4.500 +.004 +.000
HU37-4.25-37	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.999 +.000 -.002	5.000 +.004 +.000
HU37-4.25-50	4-1/4	5	1/2	.550 +.015 +.000	4.250 +.000 -.002	4.251 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.999 +.000 -.002	5.000 +.004 +.000
HU37-4.25-62	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.251 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.999 +.000 -.002	5.000 +.004 +.000
HU37-4.37-50	4-3/8	5-1/8	1/2	.550 +.015 +.000	4.375 +.000 -.002	4.376 +.004 +.000	5.125 +.005 +.000	4.375 +.000 -.005	5.124 +.000 -.002	5.125 +.004 +.000
HU37-4.50-37	4-1/2	5-1/4	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.249 +.000 -.002	5.250 +.004 +.000
HU37-4.50-50	4-1/2	5-1/4	1/2	.550 +.015 +.000	4.500 +.000 -.002	4.501 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.249 +.000 -.002	5.250 +.004 +.000
HU37-4.75-50	4-3/4	5-1/2	1/2	.550 +.015 +.000	4.750 +.000 -.002	4.751 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.499 +.000 -.002	5.500 +.004 +.000
HU37-5.00-37	5	5-3/4	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.749 +.000 -.002	5.750 +.004 +.000
HU37-5.00-50	5	5-3/4	1/2	.550 +.015 +.000	5.000 +.000 -.002	5.001 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.749 +.000 -.002	5.750 +.004 +.000
HU37-5.25-37	5-1/4	6	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.251 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.999 +.000 -.002	6.000 +.004 +.000
HU37-5.25-50	5-1/4	6	1/2	.550 +.015 +.000	5.250 +.000 -.002	5.251 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.999 +.000 -.002	6.000 +.004 +.000
HU37-5.25-62	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.251 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.999 +.000 -.002	6.000 +.004 +.000
HU37-5.50-62	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.501 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.249 +.000 -.002	6.250 +.004 +.000
HU37-6.00-50	6	6-3/4	1/2	.550 +.015 +.000	6.000 +.000 -.002	6.001 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.749 +.000 -.002	6.750 +.004 +.000

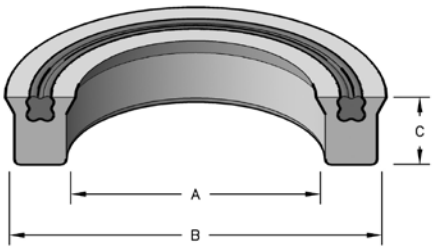
STYLE HU SYMMETRICAL URETHANE U-SEALS

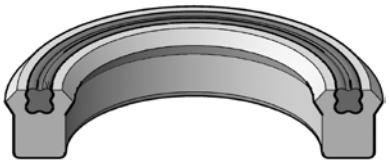
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HU37-6.25-37	6-1/4	7	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.251 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.999 +.000 -.002	7.000 +.004 +.000
HU37-6.25-50	6-1/4	7	1/2	.550 +.015 +.000	6.250 +.000 -.002	6.251 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.999 +.000 -.002	7.000 +.004 +.000
HU37-6.25-62	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.251 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.999 +.000 -.002	7.000 +.004 +.000
HU37-6.50-37	6-1/2	7-1/4	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.501 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.249 +.000 -.002	7.250 +.004 +.000
HU37-6.50-62	6-1/2	7-1/4	5/8	.688 +.015 +.000	6.500 +.000 -.002	6.501 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.249 +.000 -.002	7.250 +.004 +.000
HU37-7.25-37	7-1/4	8	3/8	.413 +.015 +.000	7.250 +.000 -.002	7.251 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.999 +.000 -.002	8.000 +.004 +.000
HU37-7.25-62	7-1/4	8	5/8	.688 +.015 +.000	7.250 +.000 -.002	7.251 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.999 +.000 -.002	8.000 +.004 +.000
1/2" C/S										
HU50-3.00-50	3	4	1/2	.550 +.015 +.000	3.000 +.000 -.003	3.001 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.999 +.000 -.003	4.000 +.005 +.000
HU50-4.00-50	4	5	1/2	.550 +.015 +.000	4.000 +.000 -.003	4.001 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.999 +.000 -.003	5.000 +.005 +.000
HU50-4.00-62	4	5	5/8	.688 +.015 +.000	4.000 +.000 -.003	4.001 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.999 +.000 -.003	5.000 +.005 +.000
HU50-5.00-50	5	6	1/2	.550 +.015 +.000	5.000 +.000 -.003	5.001 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.999 +.000 -.003	6.000 +.005 +.000
HU50-5.00-75	5	6	3/4	.825 +.015 +.000	5.000 +.000 -.003	5.001 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.999 +.000 -.003	6.000 +.005 +.000
HU50-6.00-50	6	7	1/2	.550 +.015 +.000	6.000 +.000 -.003	6.001 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.999 +.000 -.003	7.000 +.005 +.000

Seal color may vary.

STYLE UPU PREMIUM U-SEALS

Style UPU Premium U-Seals are molded from ultra tough urethane for severe service conditions. They feature higher tensile strength and modulus for extrusion resistance. These seals are used in high energy services such as rock drills and shock absorbing devices where high internal heat is generated.



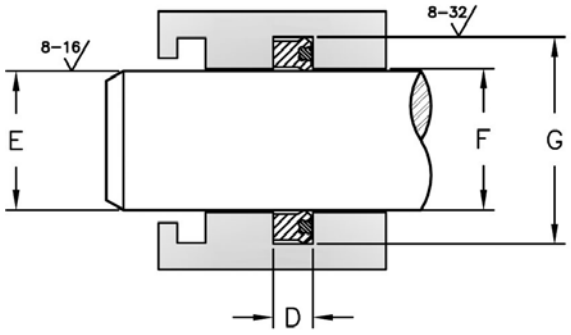


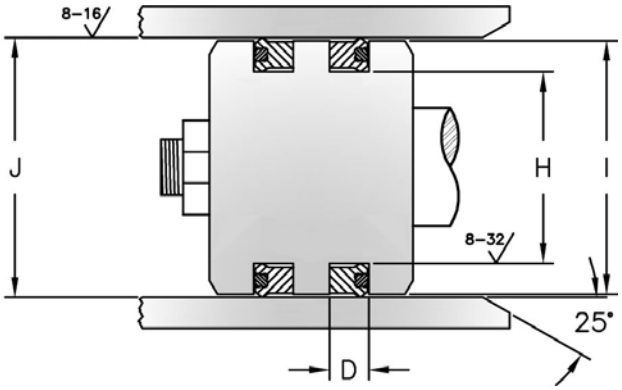
SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-65° TO +300° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

PART NUMBERS

UPU 12 - 0.75 - 25B

- UPU — Type of Seal
- 12 — Cross Section
- 0.75 — Inside Diameter
- 25B — Height







Standard -
Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip
Typical Part Number
UPU25-2.50



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number
UPU25-2.50-37D



Type SQB -
Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip.
Typical Part Number
UPU25-2.50-SQB



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number
UPU25-2.50-37B

These parts will no longer be available once the current stock has been depleted.
Suggested alternates for the UPU U-Seals are RU9, Style 850 BPM and Style 800 high temperature.

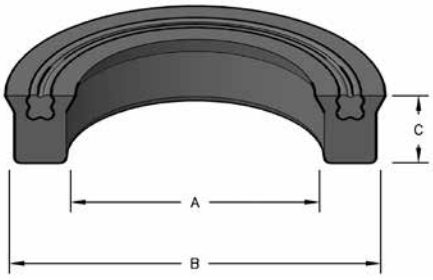
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
UPU12-0.62	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
5/32" C/S										
UPU15-1.00	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.312 +.000 -.001	1.313 +.002 +.000
UPU15-1.37	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.687 +.000 -.001	1.688 +.002 +.000

STYLE UPU PREMIUM U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
3/16" C/S										
UPU18-1.12	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.498 +.000 -.002	1.500 +.002 +.000
UPU18-1.50	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.873 +.000 -.002	1.875 +.002 +.000
UPU18-1.62-37B	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
UPU18-2.00-37B	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.373 +.000 -.002	2.375 +.002 +.000
1/4" C/S										
UPU25-1.00	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.498 +.000 -.002	1.500 +.003 +.000
UPU25-1.25	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.748 +.000 -.002	1.750 +.003 +.000
UPU25-1.75	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.248 +.000 -.002	2.250 +.003 +.000
UPU25-2.25-37B	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.748 +.000 -.002	2.750 +.003 +.000
UPU25-2.75	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.248 +.000 -.002	3.250 +.003 +.000
5/16" C/S										
UPU31-1.75-50B	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
UPU31-2.50	2-1/2	3-1/8	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
UPU31-3.00	3	3-5/8	5/16	.344 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Style 800 U-seals are molded from tough, abrasion-resistant polyurethane. The four lobed expander ring energizes the sealing lips, even at zero pressure, to help prevent "weeping" when the system is idle.



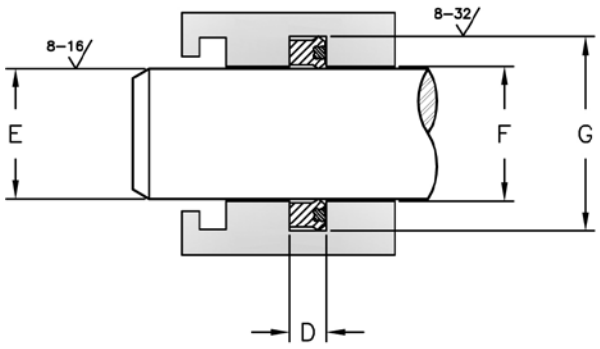


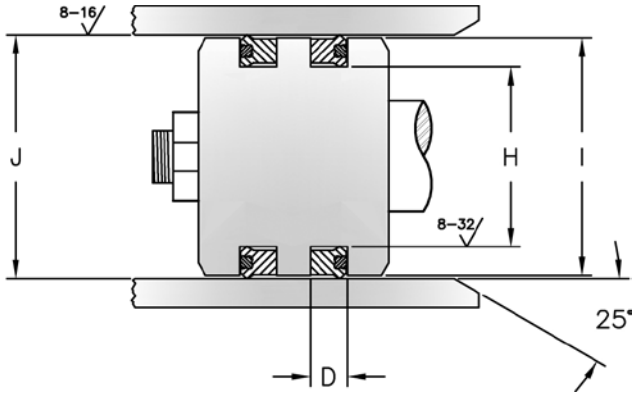
PART NUMBERS

U 12 - 0.18 - 25B

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC







Standard -
Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip
Typical Part Number U25-2.50



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number U25-2.50-37D



Type SQB -
Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip.
Typical Part Number U25-2.50-SQB



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number U25-2.50-37B

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
U12-0.12	1/8	3/8	1/8	.138 +.015 +.000	.125 +.000 -.001	.126 +.002 +.000	.375 +.002 +.000	.125 +.000 -.002	.374 +.000 -.001	.375 +.002 +.000
U12-0.14	9/64	25/64	1/8	.138 +.015 +.000	.140 +.000 -.001	.142 +.002 +.000	.391 +.002 +.000	.140 +.000 -.002	.390 +.000 -.001	.391 +.002 +.000
U12-0.18	3/16	7/16	1/8	.138 +.015 +.000	.187 +.000 -.001	.189 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.436 +.000 -.001	.438 +.002 +.000
U12-0.18-SQB	3/16	7/16	1/8	.138 +.015 +.000	.187 +.000 -.001	.189 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.436 +.000 -.001	.438 +.002 +.000
U12-0.18-25B	3/16	7/16	1/4	.275 +.015 +.000	.187 +.000 -.001	.189 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.436 +.000 -.001	.438 +.002 +.000
U12-0.25	1/4	1/2	1/8	.138 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
U12-0.25-SQB	1/4	1/2	1/8	.138 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
U12-0.25-25B	1/4	1/2	1/4	.275 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-0.28-25B	9/32	17/32	1/4	.275 +.015 +.000	.281 +.000 -.001	.282 +.002 +.000	.532 +.002 +.000	.281 +.000 -.002	.530 +.000 -.001	.532 +.002 +.000
U12-0.31	5/16	9/16	1/8	.138 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.562 +.000 -.001	.563 +.002 +.000
U12-0.31-SQB	5/16	9/16	1/8	.138 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.562 +.000 -.001	.563 +.002 +.000
U12-0.31-25B	5/16	9/16	1/4	.275 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.562 +.000 -.001	.563 +.002 +.000
U12-0.37	3/8	5/8	1/8	.138 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
U12-0.37-SQB	3/8	5/8	1/8	.138 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
U12-0.37-25B	3/8	5/8	1/4	.275 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
U12-0.43	7/16	11/16	1/8	.138 +.015 +.000	.437 +.000 -.001	.439 +.002 +.000	.688 +.002 +.000	.437 +.000 -.002	.687 +.000 -.001	.688 +.002 +.000
U12-0.43-SQB	7/16	11/16	1/8	.138 +.015 +.000	.437 +.000 -.001	.439 +.002 +.000	.688 +.002 +.000	.437 +.000 -.002	.687 +.000 -.001	.688 +.002 +.000
U12-0.43-25B	7/16	11/16	1/4	.275 +.015 +.000	.437 +.000 -.001	.439 +.002 +.000	.688 +.002 +.000	.437 +.000 -.002	.687 +.000 -.001	.688 +.002 +.000
U12-0.50	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.50-SQB	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.50CN	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.50-25B	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.56	9/16	13/16	1/8	.138 +.015 +.000	.562 +.000 -.001	.564 +.002 +.000	.813 +.002 +.000	.562 +.000 -.002	.812 +.000 -.001	.813 +.002 +.000
U12-0.56-SQB	9/16	13/16	1/8	.138 +.015 +.000	.562 +.000 -.001	.564 +.002 +.000	.813 +.002 +.000	.562 +.000 -.002	.812 +.000 -.001	.813 +.002 +.000
U12-0.56-25B	9/16	13/16	1/4	.275 +.015 +.000	.562 +.000 -.001	.564 +.002 +.000	.813 +.002 +.000	.562 +.000 -.002	.812 +.000 -.001	.813 +.002 +.000
U12-0.62	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.62-SQB	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.62CN	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.62-25B	5/8	7/8	1/4	.275 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.62-25D	5/8	7/8	1/4	.275 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.68	11/16	15/16	1/8	.138 +.015 +.000	.687 +.000 -.001	.689 +.002 +.000	.938 +.002 +.000	.687 +.000 -.002	.937 +.000 -.001	.938 +.002 +.000
U12-0.68-SQB	11/16	15/16	1/8	.138 +.015 +.000	.687 +.000 -.001	.689 +.002 +.000	.938 +.002 +.000	.687 +.000 -.002	.937 +.000 -.001	.938 +.002 +.000
U12-0.68-25B	11/16	15/16	1/4	.275 +.015 +.000	.687 +.000 -.001	.689 +.002 +.000	.938 +.002 +.000	.687 +.000 -.002	.937 +.000 -.001	.938 +.002 +.000
U12-0.75	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.75-SQB	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.75-18B	3/4	1	3/16	.206 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.75-25B	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.75-25D	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.81	13/16	1-1/16	1/8	.138 +.015 +.000	.812 +.000 -.001	.814 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.061 +.000 -.001	1.063 +.002 +.000
U12-0.81-SQB	13/16	1-1/16	1/8	.138 +.015 +.000	.812 +.000 -.001	.814 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.062 +.000 -.001	1.063 +.002 +.000
U12-0.81-25B	13/16	1-1/16	1/4	.275 +.015 +.000	.812 +.000 -.001	.814 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.061 +.000 -.001	1.063 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-0.87	7/8	1-1/8	1/8	.138 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
U12-0.87-SQB	7/8	1-1/8	1/8	.138 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
U12-0.87-25B	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
U12-0.87-25D	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
U12-0.93	15/16	1-3/16	1/8	.138 +.015 +.000	.937 +.000 -.001	.939 +.002 +.000	1.188 +.002 +.000	.937 +.000 -.002	1.187 +.000 -.001	1.188 +.002 +.000
U12-0.93-25B	15/16	1-3/16	1/4	.275 +.015 +.000	.937 +.000 -.001	.939 +.002 +.000	1.188 +.002 +.000	.937 +.000 -.002	1.187 +.000 -.001	1.188 +.002 +.000
U12-1.00	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-SQB	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-18B	1	1-1/4	3/16	.206 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-25B	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-25D	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.06-SQB	1-1/16	1-5/16	1/8	.138 +.015 +.000	1.062 +.000 -.001	1.063 +.002 +.000	1.313 +.002 +.000	1.062 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U12-1.06-25B	1-1/16	1-5/16	1/4	.275 +.015 +.000	1.062 +.000 -.001	1.063 +.002 +.000	1.313 +.002 +.000	1.062 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U12-1.12	1-1/8	1-3/8	1/8	.138 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.12-SQB	1-1/8	1-3/8	1/8	.138 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.12-18D	1-1/8	1-3/8	3/16	.206 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.12-25B	1-1/8	1-3/8	1/4	.275 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.12-25D	1-1/8	1-3/8	1/4	.275 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.18	1-3/16	1-7/16	1/8	.138 +.015 +.000	1.187 +.000 -.001	1.189 +.002 +.000	1.438 +.002 +.000	1.187 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
U12-1.18-18B	1-3/16	1-7/16	3/16	.206 +.015 +.000	1.187 +.000 -.001	1.189 +.002 +.000	1.438 +.002 +.000	1.187 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
U12-1.18-25B	1-3/16	1-7/16	1/4	.275 +.015 +.000	1.187 +.000 -.001	1.189 +.002 +.000	1.438 +.002 +.000	1.187 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
U12-1.25	1-1/4	1-1/2	1/8	.138 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-SQB	1-1/4	1-1/2	1/8	.138 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-18B	1-1/4	1-1/2	3/16	.206 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-25B	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-25D	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.31	1-5/16	1-9/16	1/8	.138 +.015 +.000	1.312 +.000 -.001	1.313 +.002 +.000	1.563 +.002 +.000	1.312 +.000 -.002	1.561 +.000 -.001	1.563 +.002 +.000
U12-1.31-SQB	1-5/16	1-9/16	1/8	.138 +.015 +.000	1.312 +.000 -.001	1.313 +.002 +.000	1.563 +.002 +.000	1.312 +.000 -.002	1.561 +.000 -.001	1.563 +.002 +.000
U12-1.31-18B	1-5/16	1-9/16	3/16	.206 +.015 +.000	1.312 +.000 -.001	1.313 +.002 +.000	1.563 +.002 +.000	1.312 +.000 -.002	1.561 +.000 -.001	1.563 +.002 +.000
U12-1.37-SQB	1-3/8	1-5/8	1/8	.138 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.37-18D	1-3/8	1-5/8	3/16	.206 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.37-25B	1-3/8	1-5/8	1/4	.275 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.43-SQB	1-7/16	1-11/16	1/8	.138 +.015 +.000	1.437 +.000 -.001	1.439 +.002 +.000	1.688 +.002 +.000	1.437 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-1.43-25B	1-7/16	1-11/16	1/4	.275 +.015 +.000	1.437 +.000 -.001	1.439 +.002 +.000	1.688 +.002 +.000	1.437 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
U12-1.50	1-1/2	1-3/4	1/8	.138 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.50-SQB	1-1/2	1-3/4	1/8	.138 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.50-18B	1-1/2	1-3/4	3/16	.206 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.50-25B	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.56	1-9/16	1-13/16	1/8	.138 +.015 +.000	1.562 +.000 -.001	1.564 +.002 +.000	1.813 +.002 +.000	1.562 +.000 -.002	1.811 +.000 -.001	1.813 +.002 +.000
U12-1.62	1-5/8	1-7/8	1/8	.138 +.015 +.000	1.625 +.000 -.001	1.626 +.002 +.000	1.875 +.002 +.000	1.625 +.000 -.002	1.874 +.000 -.001	1.875 +.002 +.000
U12-1.62-SQB	1-5/8	1-7/8	1/8	.138 +.015 +.000	1.625 +.000 -.001	1.626 +.002 +.000	1.875 +.002 +.000	1.625 +.000 -.002	1.874 +.000 -.001	1.875 +.002 +.000
U12-1.68	1-11/16	1-15/16	1/8	.138 +.015 +.000	1.687 +.000 -.001	1.689 +.002 +.000	1.938 +.002 +.000	1.687 +.000 -.002	1.936 +.000 -.001	1.938 +.002 +.000
U12-1.75	1-3/4	2	1/8	.138 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U12-1.75-SQB	1-3/4	2	1/8	.138 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U12-1.75-25B	1-3/4	2	1/4	.275 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U12-1.75-25D	1-3/4	2	1/4	.275 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U12-1.87	1-7/8	2-1/8	1/8	.138 +.015 +.000	1.875 +.000 -.001	1.876 +.002 +.000	2.125 +.002 +.000	1.875 +.000 -.002	2.124 +.000 -.001	2.125 +.002 +.000
U12-2.00	2	2-1/4	1/8	.138 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
U12-2.00-25D	2	2-1/4	1/4	.275 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
U12-2.12	2-1/8	2-3/8	1/8	.138 +.015 +.000	2.125 +.000 -.001	2.126 +.002 +.000	2.375 +.002 +.000	2.125 +.000 -.002	2.374 +.000 -.001	2.375 +.002 +.000
U12-2.12-25D	2-1/8	2-3/8	1/4	.275 +.015 +.000	2.125 +.000 -.001	2.126 +.002 +.000	2.375 +.002 +.000	2.125 +.000 -.002	2.374 +.000 -.001	2.375 +.002 +.000
U12-2.25	2-1/4	2-1/2	1/8	.138 +.015 +.000	2.250 +.000 -.001	2.251 +.002 +.000	2.500 +.002 +.000	2.250 +.000 -.002	2.499 +.000 -.001	2.500 +.002 +.000
U12-2.25-37D	2-1/4	2-1/2	3/8	.413 +.015 +.000	2.250 +.000 -.001	2.251 +.002 +.000	2.500 +.002 +.000	2.250 +.000 -.002	2.499 +.000 -.001	2.500 +.002 +.000
U12-2.37	2-3/8	2-5/8	1/8	.138 +.015 +.000	2.375 +.000 -.001	2.376 +.002 +.000	2.625 +.002 +.000	2.375 +.000 -.002	2.624 +.000 -.001	2.625 +.002 +.000
U12-2.37-18B	2-3/8	2-5/8	3/16	.206 +.015 +.000	2.375 +.000 -.001	2.376 +.002 +.000	2.625 +.002 +.000	2.375 +.000 -.002	2.624 +.000 -.001	2.625 +.002 +.000
U12-2.50	2-1/2	2-3/4	1/8	.138 +.015 +.000	2.500 +.000 -.001	2.501 +.002 +.000	2.750 +.002 +.000	2.500 +.000 -.002	2.749 +.000 -.001	2.750 +.002 +.000
U12-2.50-SQB	2-1/2	2-3/4	1/8	.138 +.015 +.000	2.500 +.000 -.001	2.501 +.002 +.000	2.750 +.002 +.000	2.500 +.000 -.002	2.749 +.000 -.001	2.750 +.002 +.000
U12-2.50-25B	2-1/2	2-3/4	1/4	.275 +.015 +.000	2.500 +.000 -.001	2.501 +.002 +.000	2.750 +.002 +.000	2.500 +.000 -.002	2.749 +.000 -.001	2.750 +.002 +.000
U12-2.75	2-3/4	3	1/8	.138 +.015 +.000	2.750 +.000 -.001	2.751 +.002 +.000	3.000 +.002 +.000	2.750 +.000 -.002	2.999 +.000 -.001	3.000 +.002 +.000
U12-2.75-25B	2-3/4	3	1/4	.275 +.015 +.000	2.750 +.000 -.001	2.751 +.002 +.000	3.000 +.002 +.000	2.750 +.000 -.002	2.999 +.000 -.001	3.000 +.002 +.000
U12-2.75-37B	2-3/4	3	3/8	.413 +.015 +.000	2.750 +.000 -.001	2.751 +.002 +.000	3.000 +.002 +.000	2.750 +.000 -.002	2.999 +.000 -.001	3.000 +.002 +.000
U12-2.87	2-7/8	3-1/8	1/8	.138 +.015 +.000	2.875 +.000 -.001	2.876 +.002 +.000	3.125 +.002 +.000	2.875 +.000 -.002	3.124 +.000 -.001	3.125 +.002 +.000
U12-3.00	3	3-1/4	1/8	.138 +.015 +.000	3.000 +.000 -.001	3.001 +.002 +.000	3.250 +.002 +.000	3.000 +.000 -.002	3.249 +.000 -.001	3.250 +.002 +.000
U12-3.12	3-1/8	3-3/8	1/8	.138 +.015 +.000	3.125 +.000 -.001	3.126 +.002 +.000	3.375 +.002 +.000	3.125 +.000 -.002	3.374 +.000 -.001	3.375 +.002 +.000
U12-3.25	3-1/4	3-1/2	1/8	.138 +.015 +.000	3.250 +.000 -.001	3.251 +.002 +.000	3.500 +.002 +.000	3.250 +.000 -.002	3.499 +.000 -.001	3.500 +.002 +.000
U12-3.50	3-1/2	3-3/4	1/8	.138 +.015 +.000	3.500 +.000 -.001	3.501 +.002 +.000	3.750 +.002 +.000	3.500 +.000 -.002	3.749 +.000 -.001	3.750 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-3.62-18B	3-5/8	3-7/8	3/16	.206 +.015 +.000	3.625 +.000 -.001	3.626 +.002 +.000	3.875 +.002 +.000	3.625 +.000 -.002	3.874 +.000 -.001	3.875 +.002 +.000
U12-3.75	3-3/4	4	1/8	.138 +.015 +.000	3.750 +.000 -.001	3.751 +.002 +.000	4.000 +.002 +.000	3.750 +.000 -.002	3.999 +.000 -.001	4.000 +.002 +.000
U12-4.00	4	4-1/4	1/8	.138 +.015 +.000	4.000 +.000 -.001	4.001 +.002 +.000	4.250 +.002 +.000	4.000 +.000 -.002	4.249 +.000 -.001	4.250 +.002 +.000
U12-4.25	4-1/4	4-1/2	1/8	.138 +.015 +.000	4.250 +.000 -.001	4.251 +.002 +.000	4.500 +.002 +.000	4.250 +.000 -.002	4.499 +.000 -.001	4.500 +.002 +.000
U12-4.37	4-3/8	4-5/8	1/8	.138 +.015 +.000	4.375 +.000 -.001	4.376 +.002 +.000	4.625 +.002 +.000	4.375 +.000 -.002	4.624 +.000 -.001	4.625 +.002 +.000
U12-4.50	4-1/2	4-3/4	1/8	.138 +.015 +.000	4.500 +.000 -.001	4.501 +.002 +.000	4.750 +.002 +.000	4.500 +.000 -.002	4.749 +.000 -.001	4.750 +.002 +.000
U12-4.75	4-3/4	5	1/8	.138 +.015 +.000	4.750 +.000 -.001	4.751 +.002 +.000	5.000 +.002 +.000	4.750 +.000 -.002	4.999 +.000 -.001	5.000 +.002 +.000
5/32" C/S										
U15-1.00	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U15-1.00-SQB	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U15-1.00CN	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U15-1.00-23B	1	1-5/16	.23	.253 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U15-1.12	1-1/8	1-7/16	5/32	.172 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.438 +.002 +.000	1.125 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
U15-1.18	1-3/16	1-1/2	5/32	.172 +.015 +.000	1.187 +.000 -.002	1.189 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U15-1.25	1-1/4	1-9/16	5/32	.172 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.563 +.002 +.000	1.250 +.000 -.002	1.561 +.000 -.001	1.563 +.002 +.000
U15-1.37	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
U15-1.37-SQB	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
U15-1.37CN	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
U15-1.50-31B	1-1/2	1-13/16	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.813 +.002 +.000	1.500 +.000 -.002	1.811 +.000 -.001	1.813 +.002 +.000
3/16" C/S										
U18-0.18-SQB	3/16	9/16	3/16	.207 +.015 +.000	.187 +.000 -.002	.189 +.002 +.000	.563 +.002 +.000	.187 +.000 -.002	.562 +.000 -.002	.563 +.002 +.000
U18-0.25-SQB	1/4	5/8	3/16	.207 +.015 +.000	.250 +.000 -.002	.251 +.002 +.000	.625 +.002 +.000	.250 +.000 -.002	.624 +.000 -.002	.625 +.002 +.000
U18-0.31-SQB	5/16	11/16	3/16	.207 +.015 +.000	.312 +.000 -.002	.313 +.002 +.000	.688 +.002 +.000	.312 +.000 -.002	.687 +.000 -.002	.688 +.002 +.000
U18-0.37	3/8	3/4	3/16	.207 +.015 +.000	.375 +.000 -.002	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.002	.749 +.000 -.002	.750 +.002 +.000
U18-0.37-SQB	3/8	3/4	3/16	.207 +.015 +.000	.375 +.000 -.002	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.002	.749 +.000 -.002	.750 +.002 +.000
U18-0.37-31B	3/8	3/4	5/16	.344 +.015 +.000	.375 +.000 -.002	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.002	.749 +.000 -.002	.750 +.002 +.000
U18-0.43	7/16	13/16	3/16	.207 +.015 +.000	.437 +.000 -.002	.439 +.002 +.000	.813 +.002 +.000	.437 +.000 -.002	.812 +.000 -.002	.813 +.002 +.000
U18-0.50	1/2	7/8	3/16	.207 +.015 +.000	.500 +.000 -.002	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.002	.874 +.000 -.002	.875 +.002 +.000
U18-0.50-31B	1/2	7/8	5/16	.344 +.015 +.000	.500 +.000 -.002	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.002	.874 +.000 -.002	.875 +.002 +.000
U18-0.56	9/16	15/16	3/16	.207 +.015 +.000	.562 +.000 -.002	.564 +.002 +.000	.938 +.002 +.000	.562 +.000 -.002	.937 +.000 -.002	.938 +.002 +.000
U18-0.62	5/8	1	3/16	.207 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
U18-0.62-SQB	5/8	1	3/16	.207 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
U18-0.62-31B	5/8	1	5/16	.344 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-0.62-31D	5/8	1	5/16	.344 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
U18-0.68	11/16	1-1/16	3/16	.207 +.015 +.000	.687 +.000 -.002	.689 +.002 +.000	1.063 +.002 +.000	.687 +.000 -.002	1.061 +.000 -.002	1.063 +.002 +.000
U18-0.75	3/4	1-1/8	3/16	.207 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-0.75-SQB	3/4	1-1/8	3/16	.207 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-0.75-31B	3/4	1-1/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-0.75-31D	3/4	1-1/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-0.81	13/16	1-3/16	3/16	.207 +.015 +.000	.812 +.000 -.002	.814 +.002 +.000	1.188 +.002 +.000	.812 +.000 -.002	1.187 +.000 -.002	1.188 +.002 +.000
U18-0.81-31B	13/16	1-3/16	5/16	.344 +.015 +.000	.812 +.000 -.002	.814 +.002 +.000	1.188 +.002 +.000	.812 +.000 -.002	1.187 +.000 -.002	1.188 +.002 +.000
U18-0.87	7/8	1-1/4	3/16	.207 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
U18-0.87-SQB	7/8	1-1/4	3/16	.207 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
U18-0.87-31B	7/8	1-1/4	5/16	.344 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
U18-0.93	15/16	1-5/16	3/16	.207 +.015 +.000	.937 +.000 -.002	.939 +.002 +.000	1.313 +.002 +.000	.937 +.000 -.002	1.311 +.000 -.002	1.313 +.002 +.000
U18-1.00	1	1-3/8	3/16	.207 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-SQB	1	1-3/8	3/16	.207 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-25B	1	1-3/8	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-31B	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-31D	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-37B	1	1-3/8	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.06	1-1/16	1-7/16	3/16	.207 +.015 +.000	1.062 +.000 -.002	1.063 +.002 +.000	1.438 +.002 +.000	1.062 +.000 -.002	1.437 +.000 -.002	1.438 +.002 +.000
U18-1.06-31B	1-1/16	1-7/16	5/16	.344 +.015 +.000	1.062 +.000 -.002	1.063 +.002 +.000	1.438 +.002 +.000	1.062 +.000 -.002	1.436 +.000 -.002	1.438 +.002 +.000
U18-1.12	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-SQB	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-25B	1-1/8	1-1/2	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-31B	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-31D	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-37B	1-1/8	1-1/2	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.18	1-3/16	1-9/16	3/16	.207 +.015 +.000	1.187 +.000 -.002	1.189 +.002 +.000	1.563 +.002 +.000	1.187 +.000 -.002	1.561 +.000 -.002	1.563 +.002 +.000
U18-1.18-25B	1-3/16	1-9/16	1/4	.275 +.015 +.000	1.187 +.000 -.002	1.189 +.002 +.000	1.563 +.002 +.000	1.187 +.000 -.002	1.561 +.000 -.002	1.563 +.002 +.000
U18-1.18-31B	1-3/16	1-9/16	5/16	.344 +.015 +.000	1.187 +.000 -.002	1.189 +.002 +.000	1.563 +.002 +.000	1.187 +.000 -.002	1.561 +.000 -.002	1.563 +.002 +.000
U18-1.25	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-SQB	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-25B	1-1/4	1-5/8	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-26B	1-1/4	1-5/8	.26	.286 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-1.25-31B	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-31D	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-37B	1-1/4	1-5/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.31	1-5/16	1-11/16	3/16	.207 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.002	1.688 +.002 +.000
U18-1.31-SQB	1-5/16	1-11/16	3/16	.207 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.002	1.688 +.002 +.000
U18-1.31-31B	1-5/16	1-11/16	5/16	.344 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.002	1.688 +.002 +.000
U18-1.37	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-SQB	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-25B	1-3/8	1-3/4	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-31B	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-31D	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-37B	1-3/8	1-3/4	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.43	1-7/16	1-13/16	3/16	.207 +.015 +.000	1.437 +.000 -.002	1.439 +.002 +.000	1.813 +.002 +.000	1.437 +.000 -.002	1.811 +.000 -.002	1.813 +.002 +.000
U18-1.50	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-SQB	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-25B	1-1/2	1-7/8	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-26B	1-1/2	1-7/8	.26	.286 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-29F	1-1/2	1-7/8	19/64	.327 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-31B	1-1/2	1-7/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-37B	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-37D	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.56-37B	1-9/16	1-15/16	3/8	.413 +.015 +.000	1.562 +.000 -.002	1.564 +.002 +.000	1.938 +.002 +.000	1.562 +.000 -.002	1.936 +.000 -.002	1.938 +.002 +.000
U18-1.62	1-5/8	2	3/16	.207 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-SQB	1-5/8	2	3/16	.207 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-25B	1-5/8	2	1/4	.275 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-31B	1-5/8	2	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-37B	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-37D	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.68	1-11/16	2-1/16	3/16	.207 +.015 +.000	1.687 +.000 -.002	1.689 +.002 +.000	2.063 +.002 +.000	1.687 +.000 -.002	2.061 +.000 -.002	2.063 +.002 +.000
U18-1.75	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-SQB	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75CN	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-25B	1-3/4	2-1/8	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-1.75-26B	1-3/4	2-1/8	.26	.286 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-31B	1-3/4	2-1/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-31D	1-3/4	2-1/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-37B	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-37D	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-37DF	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.87	1-7/8	2-1/4	3/16	.207 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-SQB	1-7/8	2-1/4	3/16	.207 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-25D	1-7/8	2-1/4	1/4	.275 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-26B	1-7/8	2-1/4	.26	.286 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-31B	1-7/8	2-1/4	5/16	.344 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-37B	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-37D	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-2.00	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-SQB	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00CN	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-25B	2	2-3/8	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-27D	2	2-3/8	.27	.297 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-31B	2	2-3/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-37B	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-37D	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.06	2-1/16	2-7/16	3/16	.207 +.015 +.000	2.062 +.000 -.002	2.063 +.002 +.000	2.438 +.002 +.000	2.062 +.000 -.002	2.436 +.000 -.002	2.438 +.002 +.000
U18-2.12	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-SQB	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-25B	2-1/8	2-1/2	1/4	.275 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-26B	2-1/8	2-1/2	.26	.286 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-31B	2-1/8	2-1/2	5/16	.344 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-37B	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-37D	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.18-37B	2-3/16	2-9/16	3/8	.413 +.015 +.000	2.187 +.000 -.002	2.189 +.002 +.000	2.563 +.002 +.000	2.187 +.000 -.002	2.561 +.000 -.002	2.563 +.002 +.000
U18-2.25	2-1/4	2-5/8	3/16	.207 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
U18-2.25-SQB	2-1/4	2-5/8	3/16	.207 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
U18-2.25-31B	2-1/4	2-5/8	5/16	.344 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-2.25-37B	2-1/4	2-5/8	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
U18-2.37	2-3/8	2-3/4	3/16	.207 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
U18-2.37-SQB	2-3/8	2-3/4	3/16	.207 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
U18-2.37-25B	2-3/8	2-3/4	1/4	.275 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
U18-2.37-37B	2-3/8	2-3/4	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
U18-2.37-50B	2-3/8	2-3/4	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
U18-2.50	2-1/2	2-7/8	3/16	.207 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-SQB	2-1/2	2-7/8	3/16	.207 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-25B	2-1/2	2-7/8	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-31B	2-1/2	2-7/8	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-37B	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.62	2-5/8	3	3/16	.207 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.62-SQB	2-5/8	3	3/16	.207 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.62-25B	2-5/8	3	1/4	.275 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.62-37B	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.62-37D	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.75	2-3/4	3-1/8	3/16	.207 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
U18-2.75-SQB	2-3/4	3-1/8	3/16	.207 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
U18-2.75-37B	2-3/4	3-1/8	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
U18-2.87	2-7/8	3-1/4	3/16	.207 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U18-2.87-25B	2-7/8	3-1/4	1/4	.275 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U18-2.87-37B	2-7/8	3-1/4	3/8	.413 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U18-2.87-37D	2-7/8	3-1/4	3/8	.413 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U18-3.00	3	3-3/8	3/16	.207 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.00-SQB	3	3-3/8	3/16	.207 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.00-31B	3	3-3/8	5/16	.344 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.00-37B	3	3-3/8	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.12	3-1/8	3-1/2	3/16	.207 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
U18-3.12-SQB	3-1/8	3-1/2	3/16	.207 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
U18-3.12-25B	3-1/8	3-1/2	1/4	.275 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
U18-3.12-37B	3-1/8	3-1/2	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
U18-3.12-37D	3-1/8	3-1/2	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
U18-3.25	3-1/4	3-5/8	3/16	.207 +.015 +.000	3.250 +.000 -.002	3.251 +.002 +.000	3.625 +.002 +.000	3.250 +.000 -.002	3.624 +.000 -.002	3.625 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-3.25-37B	3-1/4	3-5/8	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.002 +.000	3.625 +.002 +.000	3.250 +.000 -.002	3.624 +.000 -.002	3.625 +.002 +.000
U18-3.37	3-3/8	3-3/4	3/16	.207 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
U18-3.37-SQB	3-3/8	3-3/4	3/16	.207 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
U18-3.37-25B	3-3/8	3-3/4	1/4	.275 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
U18-3.37-37B	3-3/8	3-3/4	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
U18-3.50	3-1/2	3-7/8	3/16	.207 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
U18-3.50-SQB	3-1/2	3-7/8	3/16	.207 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
U18-3.50-37B	3-1/2	3-7/8	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
U18-3.62	3-5/8	4	3/16	.207 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
U18-3.62-SQB	3-5/8	4	3/16	.207 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
U18-3.62-37B	3-5/8	4	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
U18-3.75	3-3/4	4-1/8	3/16	.207 +.015 +.000	3.750 +.000 -.002	3.751 +.002 +.000	4.125 +.002 +.000	3.750 +.000 -.002	4.124 +.000 -.002	4.125 +.002 +.000
U18-3.75-37B	3-3/4	4-1/8	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.002 +.000	4.125 +.002 +.000	3.750 +.000 -.002	4.124 +.000 -.002	4.125 +.002 +.000
U18-3.87	3-7/8	4-1/4	3/16	.207 +.015 +.000	3.875 +.000 -.002	3.876 +.002 +.000	4.250 +.002 +.000	3.875 +.000 -.002	4.249 +.000 -.002	4.250 +.002 +.000
U18-3.87-37B	3-7/8	4-1/4	3/8	.413 +.015 +.000	3.875 +.000 -.002	3.876 +.002 +.000	4.250 +.002 +.000	3.875 +.000 -.002	4.249 +.000 -.002	4.250 +.002 +.000
U18-4.00	4	4-3/8	3/16	.207 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000
U18-4.00-SQB	4	4-3/8	3/16	.207 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000
U18-4.00-37B	4	4-3/8	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000
U18-4.12	4-1/8	4-1/2	3/16	.207 +.015 +.000	4.125 +.000 -.002	4.126 +.002 +.000	4.500 +.002 +.000	4.125 +.000 -.002	4.499 +.000 -.002	4.500 +.002 +.000
U18-4.12-37B	4-1/8	4-1/2	3/8	.413 +.015 +.000	4.125 +.000 -.002	4.126 +.002 +.000	4.500 +.002 +.000	4.125 +.000 -.002	4.499 +.000 -.002	4.500 +.002 +.000
U18-4.12-37D	4-1/8	4-1/2	3/8	.413 +.015 +.000	4.125 +.000 -.002	4.126 +.002 +.000	4.500 +.002 +.000	4.125 +.000 -.002	4.499 +.000 -.002	4.500 +.002 +.000
U18-4.25	4-1/4	4-5/8	3/16	.207 +.015 +.000	4.250 +.000 -.002	4.251 +.002 +.000	4.625 +.002 +.000	4.250 +.000 -.002	4.624 +.000 -.002	4.625 +.002 +.000
U18-4.25-37B	4-1/4	4-5/8	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.002 +.000	4.625 +.002 +.000	4.250 +.000 -.002	4.624 +.000 -.002	4.625 +.002 +.000
U18-4.37	4-3/8	4-3/4	3/16	.207 +.015 +.000	4.375 +.000 -.002	4.376 +.002 +.000	4.750 +.002 +.000	4.375 +.000 -.002	4.749 +.000 -.002	4.750 +.002 +.000
U18-4.37-37B	4-3/8	4-3/4	3/8	.413 +.015 +.000	4.375 +.000 -.002	4.376 +.002 +.000	4.750 +.002 +.000	4.375 +.000 -.002	4.749 +.000 -.002	4.750 +.002 +.000
U18-4.50	4-1/2	4-7/8	3/16	.207 +.015 +.000	4.500 +.000 -.002	4.501 +.002 +.000	4.875 +.002 +.000	4.500 +.000 -.002	4.874 +.000 -.002	4.875 +.002 +.000
U18-4.50-37B	4-1/2	4-7/8	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.002 +.000	4.875 +.002 +.000	4.500 +.000 -.002	4.874 +.000 -.002	4.875 +.002 +.000
U18-4.62	4-5/8	5	3/16	.207 +.015 +.000	4.625 +.000 -.002	4.626 +.002 +.000	5.000 +.002 +.000	4.625 +.000 -.002	4.999 +.000 -.002	5.000 +.002 +.000
U18-4.62-37D	4-5/8	5	3/8	.413 +.015 +.000	4.625 +.000 -.002	4.626 +.002 +.000	5.000 +.002 +.000	4.625 +.000 -.002	4.999 +.000 -.002	5.000 +.002 +.000
U18-4.75	4-3/4	5-1/8	3/16	.207 +.015 +.000	4.750 +.000 -.002	4.751 +.002 +.000	5.125 +.002 +.000	4.750 +.000 -.002	5.124 +.000 -.002	5.125 +.002 +.000
U18-4.87	4-7/8	5-1/4	3/16	.207 +.015 +.000	4.875 +.000 -.002	4.876 +.002 +.000	5.250 +.002 +.000	4.875 +.000 -.002	5.249 +.000 -.002	5.250 +.002 +.000
U18-5.00	5	5-3/8	3/16	.207 +.015 +.000	5.000 +.000 -.002	5.001 +.002 +.000	5.375 +.002 +.000	5.000 +.000 -.002	5.374 +.000 -.002	5.375 +.002 +.000
U18-5.00-31D	5	5-3/8	5/16	.344 +.015 +.000	5.000 +.000 -.002	5.001 +.002 +.000	5.375 +.002 +.000	5.000 +.000 -.002	5.374 +.000 -.002	5.375 +.002 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-5.00-37D	5	5-3/8	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.002 +.000	5.375 +.002 +.000	5.000 +.000 -.002	5.374 +.000 -.002	5.375 +.002 +.000
U18-6.00	6	6-3/8	3/16	.207 +.015 +.000	6.000 +.000 -.002	6.001 +.002 +.000	6.375 +.002 +.000	6.000 +.000 -.002	6.374 +.000 -.002	6.375 +.002 +.000
7/32" C/S										
U21-2.50-SQB	2-1/2	2-15/16	7/32	.241 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.936 +.000 -.002	2.938 +.002 +.000
U21-2.50CN	2-1/2	2-15/16	7/32	.241 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.936 +.000 -.002	2.938 +.002 +.000
U21-2.81	2-13/16	3-1/4	7/32	.241 +.015 +.000	2.812 +.000 -.002	2.814 +.002 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U21-3.00	3	3-7/16	7/32	.241 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.436 +.000 -.002	3.438 +.002 +.000
U21-3.00CN	3	3-7/16	7/32	.241 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.436 +.000 -.002	3.438 +.002 +.000
1/4" C/S										
U25-0.25	1/4	3/4	1/4	.275 +.015 +.000	.250 +.000 -.002	.251 +.003 +.000	.750 +.003 +.000	.250 +.000 -.003	.749 +.000 -.002	.750 +.003 +.000
U25-0.31	5/16	13/16	1/4	.275 +.015 +.000	.312 +.000 -.002	.313 +.003 +.000	.813 +.003 +.000	.312 +.000 -.003	.812 +.000 -.002	.813 +.003 +.000
U25-0.37	3/8	7/8	1/4	.275 +.015 +.000	.375 +.000 -.002	.376 +.003 +.000	.875 +.003 +.000	.375 +.000 -.003	.874 +.000 -.002	.875 +.003 +.000
U25-0.43	7/16	15/16	1/4	.275 +.015 +.000	.437 +.000 -.002	.438 +.003 +.000	.938 +.003 +.000	.437 +.000 -.003	.936 +.000 -.002	.938 +.003 +.000
U25-0.43-37B	7/16	15/16	3/8	.413 +.015 +.000	.437 +.000 -.002	.438 +.003 +.000	.938 +.003 +.000	.437 +.000 -.003	.936 +.000 -.002	.938 +.003 +.000
U25-0.50	1/2	1	1/4	.275 +.015 +.000	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.999 +.000 -.002	1.000 +.003 +.000
U25-0.50-37B	1/2	1	3/8	.413 +.015 +.000	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.999 +.000 -.002	1.000 +.003 +.000
U25-0.56	9/16	1-1/16	1/4	.275 +.015 +.000	.562 +.000 -.002	.563 +.003 +.000	1.063 +.003 +.000	.562 +.000 -.003	1.061 +.000 -.002	1.063 +.003 +.000
U25-0.62	5/8	1-1/8	1/4	.275 +.015 +.000	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.124 +.000 -.002	1.125 +.003 +.000
U25-0.62-37B	5/8	1-1/8	3/8	.413 +.015 +.000	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.124 +.000 -.002	1.125 +.003 +.000
U25-0.68	11/16	1-3/16	1/4	.275 +.015 +.000	.687 +.000 -.002	.688 +.003 +.000	1.188 +.003 +.000	.687 +.000 -.003	1.186 +.000 -.002	1.188 +.003 +.000
U25-0.68-37B	11/16	1-3/16	3/8	.413 +.015 +.000	.687 +.000 -.002	.688 +.003 +.000	1.188 +.003 +.000	.687 +.000 -.003	1.186 +.000 -.002	1.188 +.003 +.000
U25-0.75	3/4	1-1/4	1/4	.275 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
U25-0.75-SQB	3/4	1-1/4	1/4	.275 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
U25-0.75-37B	3/4	1-1/4	3/8	.413 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
U25-0.81	13/16	1-5/16	1/4	.275 +.015 +.000	.812 +.000 -.002	.813 +.003 +.000	1.313 +.003 +.000	.812 +.000 -.003	1.311 +.000 -.002	1.313 +.003 +.000
U25-0.81-37B	13/16	1-5/16	3/8	.413 +.015 +.000	.812 +.000 -.002	.813 +.003 +.000	1.313 +.003 +.000	.812 +.000 -.003	1.311 +.000 -.002	1.313 +.003 +.000
U25-0.87-SQB	7/8	1-3/8	1/4	.275 +.015 +.000	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.374 +.000 -.002	1.375 +.003 +.000
U25-0.87-37B	7/8	1-3/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.374 +.000 -.002	1.375 +.003 +.000
U25-0.87-37D	7/8	1-3/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.374 +.000 -.002	1.375 +.003 +.000
U25-0.93	15/16	1-7/16	1/4	.275 +.015 +.000	.937 +.000 -.002	.938 +.003 +.000	1.438 +.003 +.000	.937 +.000 -.003	1.436 +.000 -.002	1.438 +.003 +.000
U25-1.00	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.00-SQB	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.00-37B	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-1.00-37D	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.06	1-1/16	1-9/16	1/4	.275 +.015 +.000	1.062 +.000 -.002	1.063 +.003 +.000	1.563 +.003 +.000	1.062 +.000 -.003	1.561 +.000 -.002	1.563 +.003 +.000
U25-1.12	1-1/8	1-5/8	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
U25-1.12-SQB	1-1/8	1-5/8	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
U25-1.12-37B	1-1/8	1-5/8	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
U25-1.18	1-3/16	1-11/16	1/4	.275 +.015 +.000	1.187 +.000 -.002	1.188 +.003 +.000	1.688 +.003 +.000	1.187 +.000 -.003	1.686 +.000 -.002	1.688 +.003 +.000
U25-1.25	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.25-SQB	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.25-37B	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.25-37D	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.31	1-5/16	1-13/16	1/4	.275 +.015 +.000	1.312 +.000 -.002	1.313 +.003 +.000	1.813 +.003 +.000	1.312 +.000 -.003	1.811 +.000 -.002	1.813 +.003 +.000
U25-1.31-37B	1-5/16	1-13/16	3/8	.413 +.015 +.000	1.312 +.000 -.002	1.313 +.003 +.000	1.813 +.003 +.000	1.312 +.000 -.003	1.811 +.000 -.002	1.813 +.003 +.000
U25-1.37	1-3/8	1-7/8	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
U25-1.37-SQB	1-3/8	1-7/8	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
U25-1.37-37B	1-3/8	1-7/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
U25-1.43	1-7/16	1-15/16	1/4	.275 +.015 +.000	1.437 +.000 -.002	1.438 +.003 +.000	1.938 +.003 +.000	1.437 +.000 -.003	1.936 +.000 -.002	1.938 +.003 +.000
U25-1.43-37B	1-7/16	1-15/16	3/8	.413 +.015 +.000	1.437 +.000 -.002	1.438 +.003 +.000	1.938 +.003 +.000	1.437 +.000 -.003	1.936 +.000 -.002	1.938 +.003 +.000
U25-1.50	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-SQB	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-31B	1-1/2	2	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-37B	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-37D	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-50B	1-1/2	2	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.62	1-5/8	2-1/8	1/4	.275 +.015 +.000	1.625 +.000 -.002	1.626 +.003 +.000	2.125 +.003 +.000	1.625 +.000 -.003	2.124 +.000 -.002	2.125 +.003 +.000
U25-1.62-37B	1-5/8	2-1/8	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.003 +.000	2.125 +.003 +.000	1.625 +.000 -.003	2.124 +.000 -.002	2.125 +.003 +.000
U25-1.75	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.75-SQB	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.75-31B	1-3/4	2-1/4	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.75-37B	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.75-37D	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.87	1-7/8	2-3/8	1/4	.275 +.015 +.000	1.875 +.000 -.002	1.876 +.003 +.000	2.375 +.003 +.000	1.875 +.000 -.003	2.374 +.000 -.002	2.375 +.003 +.000
U25-1.87-37B	1-7/8	2-3/8	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.003 +.000	2.375 +.003 +.000	1.875 +.000 -.003	2.374 +.000 -.002	2.375 +.003 +.000
U25-2.00	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-2.00-SQB	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-31B	2	2-1/2	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-37B	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-37D	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.12	2-1/8	2-5/8	1/4	.275 +.015 +.000	2.125 +.000 -.002	2.126 +.003 +.000	2.625 +.003 +.000	2.125 +.000 -.003	2.624 +.000 -.002	2.625 +.003 +.000
U25-2.12-37B	2-1/8	2-5/8	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.003 +.000	2.625 +.003 +.000	2.125 +.000 -.003	2.624 +.000 -.002	2.625 +.003 +.000
U25-2.18-37B	2-3/16	2-11/16	3/8	.413 +.015 +.000	2.187 +.000 -.002	2.189 +.003 +.000	2.688 +.003 +.000	2.187 +.000 -.003	2.687 +.000 -.002	2.688 +.003 +.000
U25-2.25	2-1/4	2-3/4	1/4	.275 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.25-37B	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.25-37D	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.37	2-3/8	2-7/8	1/4	.275 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000
U25-2.37-37B	2-3/8	2-7/8	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000
U25-2.50	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-SQB	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-31B	2-1/2	3	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-31D	2-1/2	3	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-37B	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-37D	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-50B	2-1/2	3	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.62	2-5/8	3-1/8	1/4	.275 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
U25-2.62-37B	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
U25-2.75	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.75-SQB	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.75-37B	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.75-37D	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.75-50B	2-3/4	3-1/4	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.87	2-7/8	3-3/8	1/4	.275 +.015 +.000	2.875 +.000 -.002	2.876 +.003 +.000	3.375 +.003 +.000	2.875 +.000 -.003	3.374 +.000 -.002	3.375 +.003 +.000
U25-2.87-37B	2-7/8	3-3/8	3/8	.413 +.015 +.000	2.875 +.000 -.002	2.876 +.003 +.000	3.375 +.003 +.000	2.875 +.000 -.003	3.374 +.000 -.002	3.375 +.003 +.000
U25-3.00	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.00-SQB	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.00-37B	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.00-37D	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.12	3-1/8	3-5/8	1/4	.275 +.015 +.000	3.125 +.000 -.002	3.126 +.003 +.000	3.625 +.003 +.000	3.125 +.000 -.003	3.624 +.000 -.002	3.625 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-3.12-37B	3-1/8	3-5/8	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.126 +.003 +.000	3.625 +.003 +.000	3.125 +.000 -.003	3.624 +.000 -.002	3.625 +.003 +.000
U25-3.25	3-1/4	3-3/4	1/4	.275 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.25-37B	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.25-37D	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.25-50B	3-1/4	3-3/4	1/2	.550 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.37	3-3/8	3-7/8	1/4	.275 +.015 +.000	3.375 +.000 -.002	3.376 +.003 +.000	3.875 +.003 +.000	3.375 +.000 -.003	3.874 +.000 -.002	3.875 +.003 +.000
U25-3.37-SQB	3-3/8	3-7/8	1/4	.275 +.015 +.000	3.375 +.000 -.002	3.376 +.003 +.000	3.875 +.003 +.000	3.375 +.000 -.003	3.874 +.000 -.002	3.875 +.003 +.000
U25-3.37-37B	3-3/8	3-7/8	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.376 +.003 +.000	3.875 +.003 +.000	3.375 +.000 -.003	3.874 +.000 -.002	3.875 +.003 +.000
U25-3.50	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-SQB	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50CN	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-37B	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-37D	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-50B	3-1/2	4	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-50D	3-1/2	4	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.62	3-5/8	4-1/8	1/4	.275 +.015 +.000	3.625 +.000 -.002	3.626 +.003 +.000	4.125 +.003 +.000	3.625 +.000 -.003	4.124 +.000 -.002	4.125 +.003 +.000
U25-3.69-50B	3.69	4.19	1/2	.550 +.015 +.000	3.690 +.000 -.002	3.691 +.003 +.000	4.190 +.003 +.000	3.690 +.000 -.003	4.189 +.000 -.002	4.190 +.003 +.000
U25-3.75-SQB	3-3/4	4-1/4	1/4	.275 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
U25-3.75-37B	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
U25-3.75-50B	3-3/4	4-1/4	1/2	.550 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
U25-3.75-56B	3-3/4	4-1/4	9/16	.619 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
U25-3.87	3-7/8	4-3/8	1/4	.275 +.015 +.000	3.875 +.000 -.002	3.876 +.003 +.000	4.375 +.003 +.000	3.875 +.000 -.003	4.374 +.000 -.002	4.375 +.003 +.000
U25-4.00	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-SQB	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-31B	4	4-1/2	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-37B	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-37D	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-50B	4	4-1/2	1/2	.550 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-50D	4	4-1/2	1/2	.550 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-56B	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-56D	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-56F	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.12	4-1/8	4-5/8	1/4	.275 +.015 +.000	4.125 +.000 -.002	4.126 +.003 +.000	4.625 +.003 +.000	4.125 +.000 -.003	4.624 +.000 -.002	4.625 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-4.12-37B	4-1/8	4-5/8	3/8	.413 +.015 +.000	4.125 +.000 -.002	4.126 +.003 +.000	4.625 +.003 +.000	4.125 +.000 -.003	4.624 +.000 -.002	4.625 +.003 +.000
U25-4.25	4-1/4	4-3/4	1/4	.275 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
U25-4.25-37B	4-1/4	4-3/4	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
U25-4.25-56B	4-1/4	4-3/4	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
U25-4.37-SQB	4-3/8	4-7/8	1/4	.275 +.015 +.000	4.375 +.000 -.002	4.376 +.003 +.000	4.875 +.003 +.000	4.375 +.000 -.003	4.874 +.000 -.002	4.875 +.003 +.000
U25-4.37-56B	4-3/8	4-7/8	9/16	.619 +.015 +.000	4.375 +.000 -.002	4.376 +.003 +.000	4.875 +.003 +.000	4.375 +.000 -.003	4.874 +.000 -.002	4.875 +.003 +.000
U25-4.50	4-1/2	5	1/4	.275 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-31B	4-1/2	5	5/16	.344 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-37B	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-37D	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-50B	4-1/2	5	1/2	.550 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-50D	4-1/2	5	1/2	.550 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-56B	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-56D	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.50-62B	4-1/2	5	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.62-SQB	4-5/8	5-1/8	1/4	.275 +.015 +.000	4.625 +.000 -.002	4.626 +.003 +.000	5.125 +.003 +.000	4.625 +.000 -.003	5.124 +.000 -.002	5.125 +.003 +.000
U25-4.62-56B	4-5/8	5-1/8	9/16	.619 +.015 +.000	4.625 +.000 -.002	4.626 +.003 +.000	5.125 +.003 +.000	4.625 +.000 -.003	5.124 +.000 -.002	5.125 +.003 +.000
U25-4.75	4-3/4	5-1/4	1/4	.275 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
U25-4.75-37B	4-3/4	5-1/4	3/8	.413 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
U25-4.75-56B	4-3/4	5-1/4	9/16	.619 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
U25-4.87	4-7/8	5-3/8	1/4	.275 +.015 +.000	4.875 +.000 -.002	4.876 +.003 +.000	5.375 +.003 +.000	4.875 +.000 -.003	5.374 +.000 -.002	5.375 +.003 +.000
U25-5.00	5	5-1/2	1/4	.275 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.00-37B	5	5-1/2	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.00-50B	5	5-1/2	1/2	.550 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.00-50D	5	5-1/2	1/2	.550 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.00-56B	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.12	5-1/8	5-5/8	1/4	.275 +.015 +.000	5.125 +.000 -.002	5.126 +.003 +.000	5.625 +.003 +.000	5.125 +.000 -.003	5.624 +.000 -.002	5.625 +.003 +.000
U25-5.25	5-1/4	5-3/4	1/4	.275 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000
U25-5.25-SQB	5-1/4	5-3/4	1/4	.275 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000
U25-5.25-37B	5-1/4	5-3/4	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000
U25-5.25-56B	5-1/4	5-3/4	9/16	.619 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000
U25-5.37	5-3/8	5-7/8	1/4	.275 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	5.875 +.003 +.000	5.375 +.000 -.003	5.874 +.000 -.002	5.875 +.003 +.000
U25-5.50	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-5.50-SQB	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.50-37B	5-1/2	6	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.50-50D	5-1/2	6	1/2	.550 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.50-56B	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.50-56D	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.50-62D	5-1/2	6	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U25-5.62	5-5/8	6-1/8	1/4	.275 +.015 +.000	5.625 +.000 -.002	5.626 +.003 +.000	6.125 +.003 +.000	5.625 +.000 -.003	6.124 +.000 -.002	6.125 +.003 +.000
U25-5.75	5-3/4	6-1/4	1/4	.275 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
U25-5.75-37B	5-3/4	6-1/4	3/8	.413 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
U25-5.75-56B	5-3/4	6-1/4	9/16	.619 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
U25-6.00	6	6-1/2	1/4	.275 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
U25-6.00-37B	6	6-1/2	3/8	.413 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
U25-6.00-37D	6	6-1/2	3/8	.413 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
U25-6.00-56B	6	6-1/2	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
U25-6.00-56D	6	6-1/2	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
U25-6.25	6-1/4	6-3/4	1/4	.275 +.015 +.000	6.250 +.000 -.002	6.251 +.003 +.000	6.750 +.003 +.000	6.250 +.000 -.003	6.749 +.000 -.002	6.750 +.003 +.000
U25-6.25-37B	6-1/4	6-3/4	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.251 +.003 +.000	6.750 +.003 +.000	6.250 +.000 -.003	6.749 +.000 -.002	6.750 +.003 +.000
U25-6.50	6-1/2	7	1/4	.275 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
U25-6.50-SQB	6-1/2	7	1/4	.275 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
U25-6.50-37D	6-1/2	7	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
U25-6.50-56B	6-1/2	7	9/16	.619 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
U25-6.75	6-3/4	7-1/4	1/4	.275 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
U25-6.75-37B	6-3/4	7-1/4	3/8	.413 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
U25-6.75-56B	6-3/4	7-1/4	9/16	.619 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
U25-6.75-56D	6-3/4	7-1/4	9/16	.619 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
U25-7.00	7	7-1/2	1/4	.275 +.015 +.000	7.000 +.000 -.002	7.001 +.003 +.000	7.500 +.003 +.000	7.000 +.000 -.003	7.499 +.000 -.002	7.500 +.003 +.000
U25-7.00-37B	7	7-1/2	3/8	.413 +.015 +.000	7.000 +.000 -.002	7.001 +.003 +.000	7.500 +.003 +.000	7.000 +.000 -.003	7.499 +.000 -.002	7.500 +.003 +.000
U25-7.00-56B	7	7-1/2	9/16	.619 +.015 +.000	7.000 +.000 -.002	7.001 +.003 +.000	7.500 +.003 +.000	7.000 +.000 -.003	7.499 +.000 -.002	7.500 +.003 +.000
U25-7.25	7-1/4	7-3/4	1/4	.275 +.015 +.000	7.250 +.000 -.002	7.251 +.003 +.000	7.750 +.003 +.000	7.250 +.000 -.003	7.749 +.000 -.002	7.750 +.003 +.000
U25-7.50	7-1/2	8	1/4	.275 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
U25-7.50-SQB	7-1/2	8	1/4	.275 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
U25-7.50-56B	7-1/2	8	9/16	.619 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
U25-7.75	7-3/4	8-1/4	1/4	.275 +.015 +.000	7.750 +.000 -.002	7.751 +.003 +.000	8.250 +.003 +.000	7.750 +.000 -.003	8.249 +.000 -.002	8.250 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-8.00	8	8-1/2	1/4	.275 +.015 +.000	8.000 +.000 -.002	8.001 +.003 +.000	8.500 +.003 +.000	8.000 +.000 -.003	8.499 +.000 -.002	8.500 +.003 +.000
U25-8.00-56B	8	8-1/2	9/16	.619 +.015 +.000	8.000 +.000 -.002	8.001 +.003 +.000	8.500 +.003 +.000	8.000 +.000 -.003	8.499 +.000 -.002	8.500 +.003 +.000
U25-8.12-56B	8-1/8	8-5/8	9/16	.619 +.015 +.000	8.125 +.000 -.002	8.126 +.003 +.000	8.625 +.003 +.000	8.125 +.000 -.003	8.624 +.000 -.002	8.625 +.003 +.000
U25-8.25-56B	8-1/4	8-3/4	9/16	.619 +.015 +.000	8.250 +.000 -.002	8.251 +.003 +.000	8.750 +.003 +.000	8.250 +.000 -.003	8.749 +.000 -.002	8.750 +.003 +.000
U25-8.50	8-1/2	9	1/4	.275 +.015 +.000	8.500 +.000 -.002	8.501 +.003 +.000	9.000 +.003 +.000	8.500 +.000 -.003	8.999 +.000 -.002	9.000 +.003 +.000
U25-8.50-56B	8-1/2	9	9/16	.619 +.015 +.000	8.500 +.000 -.002	8.501 +.003 +.000	9.000 +.003 +.000	8.500 +.000 -.003	8.999 +.000 -.002	9.000 +.003 +.000
U25-9.00	9	9-1/2	1/4	.275 +.015 +.000	9.000 +.000 -.002	9.001 +.003 +.000	9.500 +.003 +.000	9.000 +.000 -.003	9.499 +.000 -.002	9.500 +.003 +.000
U25-9.50	9-1/2	10	1/4	.275 +.015 +.000	9.500 +.000 -.002	9.501 +.003 +.000	10.000 +.003 +.000	9.500 +.000 -.003	9.999 +.000 -.002	10.000 +.003 +.000
U25-9.50-56B	9-1/2	10	9/16	.619 +.015 +.000	9.500 +.000 -.002	9.501 +.003 +.000	10.000 +.003 +.000	9.500 +.000 -.003	9.999 +.000 -.002	10.000 +.003 +.000
U25-9.75	9-3/4	10-1/4	1/4	.275 +.015 +.000	9.750 +.000 -.002	9.751 +.003 +.000	10.250 +.003 +.000	9.750 +.000 -.003	10.249 +.000 -.002	10.250 +.003 +.000
U25-10.00	10	10-1/2	1/4	.275 +.015 +.000	10.000 +.000 -.002	10.001 +.003 +.000	10.500 +.003 +.000	10.000 +.000 -.003	10.499 +.000 -.002	10.500 +.003 +.000
U25-10.00-56B	10	10-1/2	9/16	.619 +.015 +.000	10.000 +.000 -.002	10.001 +.003 +.000	10.500 +.003 +.000	10.000 +.000 -.003	10.499 +.000 -.002	10.500 +.003 +.000
U25-10.25	10-1/4	10-3/4	1/4	.275 +.015 +.000	10.250 +.000 -.002	10.251 +.003 +.000	10.750 +.003 +.000	10.250 +.000 -.003	10.749 +.000 -.002	10.750 +.003 +.000
U25-13.50	13-1/2	14	1/4	.275 +.015 +.000	13.500 +.000 -.002	13.501 +.003 +.000	14.000 +.003 +.000	13.500 +.000 -.003	13.999 +.000 -.002	14.000 +.003 +.000
.27" C/S										
U27-1.97-50B	1.97	2.51	1/2	.550 +.015 +.000	1.970 +.000 -.002	1.971 +.003 +.000	2.510 +.003 +.000	1.970 +.000 -.003	2.509 -.002 +.000	2.510 +.003 +.000
.275" C/S										
U27-2.97-50B	2.97	3.52	1/2	.550 +.015 +.000	2.970 +.000 -.002	2.971 +.003 +.000	3.520 +.003 +.000	2.970 +.000 -.003	3.519 -.002 +.000	3.520 +.003 +.000
U27-3.97-50B	3.97	4.52	1/2	.550 +.015 +.000	3.970 +.000 -.002	3.971 +.003 +.000	4.520 +.003 +.000	3.970 +.000 -.003	4.519 -.002 +.000	4.520 +.003 +.000
9/32" C/S										
U28-1.00	1	1-9/16	9/32	.310 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.563 +.003 +.000	1.000 +.000 -.003	1.561 +.000 -.002	1.563 +.003 +.000
U28-3.18-50B	3-3/16	3-3/4	1/2	.550 +.015 +.000	3.187 +.000 -.002	3.189 +.003 +.000	3.750 +.003 +.000	3.187 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U28-5.43	5-7/16	6	9/32	.310 +.015 +.000	5.437 +.000 -.002	5.439 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
U28-5.43-56B	5-7/16	6	9/16	.619 +.015 +.000	5.437 +.000 -.002	5.439 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
.285" C/S										
U28-2.20-50B	2.2	2.77	1/2	.550 +.015 +.000	2.200 +.000 -.002	2.201 +.003 +.000	2.770 +.003 +.000	2.200 +.000 -.003	2.769 +.000 -.002	2.770 +.003 +.000
U28-3.20-50B	3.2	3.77	1/2	.550 +.015 +.000	3.200 +.000 -.002	3.201 +.003 +.000	3.770 +.003 +.000	3.200 +.000 -.003	3.769 +.000 -.002	3.770 +.003 +.000
5/16" C/S										
U31-0.25	1/4	7/8	5/16	.344 +.015 +.000	.250 +.000 -.002	.252 +.003 +.000	.875 +.004 +.000	.250 +.000 -.004	.873 +.000 -.002	.875 +.003 +.000
U31-0.37	3/8	1	5/16	.344 +.015 +.000	.375 +.000 -.002	.377 +.003 +.000	1.000 +.004 +.000	.375 +.000 -.004	.998 +.000 -.002	1.000 +.003 +.000
U31-0.43	7/16	1-1/16	5/16	.344 +.015 +.000	.437 +.000 -.002	.440 +.003 +.000	1.063 +.004 +.000	.437 +.000 -.004	1.060 +.000 -.002	1.063 +.003 +.000
U31-0.50	1/2	1-1/8	5/16	.344 +.015 +.000	.500 +.000 -.002	.502 +.003 +.000	1.125 +.004 +.000	.500 +.000 -.004	1.123 +.000 -.002	1.125 +.003 +.000
U31-0.62	5/8	1-1/4	5/16	.344 +.015 +.000	.625 +.000 -.002	.627 +.003 +.000	1.250 +.004 +.000	.625 +.000 -.004	1.248 +.000 -.002	1.250 +.003 +.000
U31-0.75	3/4	1-3/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.752 +.003 +.000	1.375 +.004 +.000	.750 +.000 -.004	1.373 +.000 -.002	1.375 +.003 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U31-0.75-50B	3/4	1-3/8	1/2	.550 +.015 +.000	.750 +.000 -.002	.752 +.003 +.000	1.375 +.004 +.000	.750 +.000 -.004	1.373 +.000 -.002	1.375 +.003 +.000
U31-0.87	7/8	1-1/2	5/16	.344 +.015 +.000	.875 +.000 -.002	.877 +.003 +.000	1.500 +.004 +.000	.875 +.000 -.004	1.498 +.000 -.002	1.500 +.003 +.000
U31-1.00	1	1-5/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.002 +.003 +.000	1.625 +.004 +.000	1.000 +.000 -.004	1.623 +.000 -.002	1.625 +.003 +.000
U31-1.00-37B	1	1-5/8	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.002 +.003 +.000	1.625 +.004 +.000	1.000 +.000 -.004	1.623 +.000 -.002	1.625 +.003 +.000
U31-1.00-50B	1	1-5/8	1/2	.550 +.015 +.000	1.000 +.000 -.002	1.002 +.003 +.000	1.625 +.004 +.000	1.000 +.000 -.004	1.623 +.000 -.002	1.625 +.003 +.000
U31-1.12-SQB	1-1/8	1-3/4	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.127 +.003 +.000	1.750 +.004 +.000	1.125 +.000 -.004	1.748 +.000 -.002	1.750 +.003 +.000
U31-1.12-37B	1-1/8	1-3/4	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.127 +.003 +.000	1.750 +.004 +.000	1.125 +.000 -.004	1.748 +.000 -.002	1.750 +.003 +.000
U31-1.18	1-3/16	1-13/16	5/16	.344 +.015 +.000	1.187 +.000 -.002	1.190 +.003 +.000	1.813 +.004 +.000	1.187 +.000 -.004	1.810 +.000 -.002	1.813 +.003 +.000
U31-1.25	1-1/4	1-7/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.25-SQB	1-1/4	1-7/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.25-37B	1-1/4	1-7/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.25-50B	1-1/4	1-7/8	1/2	.550 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.25-50D	1-1/4	1-7/8	1/2	.550 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.37	1-3/8	2	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.37-SQB	1-3/8	2	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.37-37B	1-3/8	2	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.37-50B	1-3/8	2	1/2	.550 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.37-50D	1-3/8	2	1/2	.550 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.50	1-1/2	2-1/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.50-37B	1-1/2	2-1/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.50-43B	1-1/2	2-1/8	7/16	.482 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.50-50B	1-1/2	2-1/8	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.50-50D	1-1/2	2-1/8	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.62	1-5/8	2-1/4	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.627 +.003 +.000	2.250 +.004 +.000	1.625 +.000 -.004	2.248 +.000 -.002	2.250 +.003 +.000
U31-1.62-37B	1-5/8	2-1/4	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.627 +.003 +.000	2.250 +.004 +.000	1.625 +.000 -.004	2.248 +.000 -.002	2.250 +.003 +.000
U31-1.62-50B	1-5/8	2-1/4	1/2	.550 +.015 +.000	1.625 +.000 -.002	1.627 +.003 +.000	2.250 +.004 +.000	1.625 +.000 -.004	2.248 +.000 -.002	2.250 +.003 +.000
U31-1.68	1-11/16	2-5/16	5/16	.344 +.015 +.000	1.687 +.000 -.002	1.690 +.003 +.000	2.313 +.004 +.000	1.687 +.000 -.004	2.310 +.000 -.002	2.313 +.003 +.000
U31-1.75	1-3/4	2-3/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-1.75-37B	1-3/4	2-3/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-1.75-50B	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-1.75-50D	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-1.87	1-7/8	2-1/2	5/16	.344 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000
U31-1.87-37B	1-7/8	2-1/2	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U31-1.87-50B	1-7/8	2-1/2	1/2	.550 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000
U31-1.87-50D	1-7/8	2-1/2	1/2	.550 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000
U31-1.93	1-15/16	2-9/16	5/16	.344 +.015 +.000	1.937 +.000 -.002	1.940 +.003 +.000	2.563 +.004 +.000	1.937 +.000 -.004	2.560 +.000 -.002	2.563 +.003 +.000
U31-2.00	2	2-5/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
U31-2.00-37B	2	2-5/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
U31-2.00-50B	2	2-5/8	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
U31-2.12-SQB	2-1/8	2-3/4	5/16	.344 +.015 +.000	2.125 +.000 -.002	2.127 +.003 +.000	2.750 +.004 +.000	2.125 +.000 -.004	2.748 +.000 -.002	2.750 +.003 +.000
U31-2.12-50B	2-1/8	2-3/4	1/2	.550 +.015 +.000	2.125 +.000 -.002	2.127 +.003 +.000	2.750 +.004 +.000	2.125 +.000 -.004	2.748 +.000 -.002	2.750 +.003 +.000
U31-2.25	2-1/4	2-7/8	5/16	.344 +.015 +.000	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.002	2.875 +.003 +.000
U31-2.25-50B	2-1/4	2-7/8	1/2	.550 +.015 +.000	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.002	2.875 +.003 +.000
U31-2.37	2-3/8	3	5/16	.344 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
U31-2.37-50B	2-3/8	3	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
U31-2.37-50D	2-3/8	3	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
U31-2.50	2-1/2	3-1/8	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
U31-2.50-50B	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
U31-2.50-50D	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
U31-2.56	2-9/16	3-3/16	5/16	.344 +.015 +.000	2.562 +.000 -.002	2.565 +.003 +.000	3.188 +.004 +.000	2.562 +.000 -.004	3.186 +.000 -.002	3.188 +.003 +.000
U31-2.62	2-5/8	3-1/4	5/16	.344 +.015 +.000	2.625 +.000 -.002	2.627 +.003 +.000	3.250 +.004 +.000	2.625 +.000 -.004	3.248 +.000 -.002	3.250 +.003 +.000
U31-2.62-50B	2-5/8	3-1/4	1/2	.550 +.015 +.000	2.625 +.000 -.002	2.627 +.003 +.000	3.250 +.004 +.000	2.625 +.000 -.004	3.248 +.000 -.002	3.250 +.003 +.000
U31-2.75	2-3/4	3-3/8	5/16	.344 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
U31-2.75-50B	2-3/4	3-3/8	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
U31-2.87	2-7/8	3-1/2	5/16	.344 +.015 +.000	2.875 +.000 -.002	2.877 +.003 +.000	3.500 +.004 +.000	2.875 +.000 -.004	3.498 +.000 -.002	3.500 +.003 +.000
U31-2.87-50B	2-7/8	3-1/2	1/2	.550 +.015 +.000	2.875 +.000 -.002	2.877 +.003 +.000	3.500 +.004 +.000	2.875 +.000 -.004	3.498 +.000 -.002	3.500 +.003 +.000
U31-3.00	3	3-5/8	5/16	.344 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
U31-3.00-37B	3	3-5/8	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
U31-3.00-50B	3	3-5/8	1/2	.550 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
U31-3.12-SQB	3-1/8	3-3/4	5/16	.344 +.015 +.000	3.125 +.000 -.002	3.127 +.003 +.000	3.750 +.004 +.000	3.125 +.000 -.004	3.748 +.000 -.002	3.750 +.003 +.000
U31-3.25	3-1/4	3-7/8	5/16	.344 +.015 +.000	3.250 +.000 -.002	3.252 +.003 +.000	3.875 +.004 +.000	3.250 +.000 -.004	3.873 +.000 -.002	3.875 +.003 +.000
U31-3.25-50B	3-1/4	3-7/8	1/2	.550 +.015 +.000	3.250 +.000 -.002	3.252 +.003 +.000	3.875 +.004 +.000	3.250 +.000 -.004	3.873 +.000 -.002	3.875 +.003 +.000
U31-3.37	3-3/8	4	5/16	.344 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
U31-3.37-50B	3-3/8	4	1/2	.550 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
U31-3.37-62B	3-3/8	4	5/8	.688 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
U31-3.50	3-1/2	4-1/8	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U31-3.50-50B	3-1/2	4-1/8	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000
U31-3.50-50D	3-1/2	4-1/8	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000
U31-3.62	3-5/8	4-1/4	5/16	.344 +.015 +.000	3.625 +.000 -.002	3.627 +.003 +.000	4.250 +.004 +.000	3.625 +.000 -.004	4.248 +.000 -.002	4.250 +.003 +.000
U31-3.62-50B	3-5/8	4-1/4	1/2	.550 +.015 +.000	3.625 +.000 -.002	3.627 +.003 +.000	4.250 +.004 +.000	3.625 +.000 -.004	4.248 +.000 -.002	4.250 +.003 +.000
U31-3.75	3-3/4	4-3/8	5/16	.344 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
U31-3.75-37B	3-3/4	4-3/8	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
U31-3.75-50B	3-3/4	4-3/8	1/2	.550 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
U31-3.75-62B	3-3/4	4-3/8	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
U31-3.87	3-7/8	4-1/2	5/16	.344 +.015 +.000	3.875 +.000 -.002	3.877 +.003 +.000	4.500 +.004 +.000	3.875 +.000 -.004	4.498 +.000 -.002	4.500 +.003 +.000
U31-3.87-50B	3-7/8	4-1/2	1/2	.550 +.015 +.000	3.875 +.000 -.002	3.877 +.003 +.000	4.500 +.004 +.000	3.875 +.000 -.004	4.498 +.000 -.002	4.500 +.003 +.000
U31-4.00	4	4-5/8	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.002 +.003 +.000	4.625 +.004 +.000	4.000 +.000 -.004	4.623 +.000 -.002	4.625 +.003 +.000
U31-4.00-56B	4	4-5/8	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.002 +.003 +.000	4.625 +.004 +.000	4.000 +.000 -.004	4.623 +.000 -.002	4.625 +.003 +.000
U31-4.12	4-1/8	4-3/4	5/16	.344 +.015 +.000	4.125 +.000 -.002	4.127 +.003 +.000	4.750 +.004 +.000	4.125 +.000 -.004	4.748 +.000 -.002	4.750 +.003 +.000
U31-4.12-56B	4-1/8	4-3/4	9/16	.619 +.015 +.000	4.125 +.000 -.002	4.127 +.003 +.000	4.750 +.004 +.000	4.125 +.000 -.004	4.748 +.000 -.002	4.750 +.003 +.000
U31-4.25	4-1/4	4-7/8	5/16	.344 +.015 +.000	4.250 +.000 -.002	4.252 +.003 +.000	4.875 +.004 +.000	4.250 +.000 -.004	4.873 +.000 -.002	4.875 +.003 +.000
U31-4.25-56B	4-1/4	4-7/8	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.252 +.003 +.000	4.875 +.004 +.000	4.250 +.000 -.004	4.873 +.000 -.002	4.875 +.003 +.000
U31-4.37	4-3/8	5	5/16	.344 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
U31-4.37-50B	4-3/8	5	1/2	.550 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
U31-4.37-56B	4-3/8	5	9/16	.619 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
U31-4.50	4-1/2	5-1/8	5/16	.344 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	4.500 +.000 -.004	5.123 +.000 -.002	5.125 +.003 +.000
U31-4.50-50B	4-1/2	5-1/8	1/2	.550 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	4.500 +.000 -.004	5.123 +.000 -.002	5.125 +.003 +.000
U31-4.50-62B	4-1/2	5-1/8	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	4.500 +.000 -.004	5.123 +.000 -.002	5.125 +.003 +.000
U31-4.62-62B	4-5/8	5-1/4	5/8	.688 +.015 +.000	4.625 +.000 -.002	4.627 +.003 +.000	5.250 +.004 +.000	4.625 +.000 -.004	5.248 +.000 -.002	5.250 +.003 +.000
U31-4.75	4-3/4	5-3/8	5/16	.344 +.015 +.000	4.750 +.000 -.002	4.752 +.003 +.000	5.375 +.004 +.000	4.750 +.000 -.004	5.373 +.000 -.002	5.375 +.003 +.000
U31-4.75-62B	4-3/4	5-3/8	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.003 +.000	5.375 +.004 +.000	4.750 +.000 -.004	5.373 +.000 -.002	5.375 +.003 +.000
U31-4.87	4-7/8	5-1/2	5/16	.344 +.015 +.000	4.875 +.000 -.002	4.877 +.003 +.000	5.500 +.004 +.000	4.875 +.000 -.004	5.498 +.000 -.002	5.500 +.003 +.000
U31-5.00	5	5-5/8	5/16	.344 +.015 +.000	5.000 +.000 -.002	5.002 +.003 +.000	5.625 +.004 +.000	5.000 +.000 -.004	5.623 +.000 -.002	5.625 +.003 +.000
U31-5.00-62B	5	5-5/8	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.003 +.000	5.625 +.004 +.000	5.000 +.000 -.004	5.623 +.000 -.002	5.625 +.003 +.000
U31-5.00-62D	5	5-5/8	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.003 +.000	5.625 +.004 +.000	5.000 +.000 -.004	5.623 +.000 -.002	5.625 +.003 +.000
U31-5.12	5-1/8	5-3/4	5/16	.344 +.015 +.000	5.125 +.000 -.002	5.127 +.003 +.000	5.750 +.004 +.000	5.125 +.000 -.004	5.748 +.000 -.002	5.750 +.003 +.000
U31-5.25	5-1/4	5-7/8	5/16	.344 +.015 +.000	5.250 +.000 -.002	5.252 +.003 +.000	5.875 +.004 +.000	5.250 +.000 -.004	5.873 +.000 -.002	5.875 +.003 +.000
U31-5.25-62B	5-1/4	5-7/8	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.003 +.000	5.875 +.004 +.000	5.250 +.000 -.004	5.873 +.000 -.002	5.875 +.003 +.000
U31-5.37	5-3/8	6	5/16	.344 +.015 +.000	5.375 +.000 -.002	5.377 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.002	6.000 +.003 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U31-5.37-SQB	5-3/8	6	5/16	.344 +.015 +.000	5.375 +.000 -.002	5.377 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.002	6.000 +.003 +.000
U31-5.37-62B	5-3/8	6	5/8	.688 +.015 +.000	5.375 +.000 -.002	5.377 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.002	6.000 +.003 +.000
U31-5.50-SQB	5-1/2	6-1/8	5/16	.344 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000
U31-5.50-62B	5-1/2	6-1/8	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000
U31-5.62	5-5/8	6-1/4	5/16	.344 +.015 +.000	5.625 +.000 -.002	5.627 +.003 +.000	6.250 +.004 +.000	5.625 +.000 -.004	6.248 +.000 -.002	6.250 +.003 +.000
U31-5.75-62B	5-3/4	6-3/8	5/8	.688 +.015 +.000	5.750 +.000 -.002	5.752 +.003 +.000	6.375 +.004 +.000	5.750 +.000 -.004	6.373 +.000 -.002	6.375 +.003 +.000
U31-5.87	5-7/8	6-1/2	5/16	.344 +.015 +.000	5.875 +.000 -.002	5.877 +.003 +.000	6.500 +.004 +.000	5.875 +.000 -.004	6.498 +.000 -.002	6.500 +.003 +.000
U31-6.00	6	6-5/8	5/16	.344 +.015 +.000	6.000 +.000 -.002	6.002 +.003 +.000	6.625 +.004 +.000	6.000 +.000 -.004	6.623 +.000 -.002	6.625 +.003 +.000
U31-6.00-62B	6	6-5/8	5/8	.688 +.015 +.000	6.000 +.000 -.002	6.002 +.003 +.000	6.625 +.004 +.000	6.000 +.000 -.004	6.623 +.000 -.002	6.625 +.003 +.000
U31-6.12	6-1/8	6-3/4	5/16	.344 +.015 +.000	6.125 +.000 -.002	6.127 +.003 +.000	6.750 +.004 +.000	6.125 +.000 -.004	6.748 +.000 -.002	6.750 +.003 +.000
U31-6.25	6-1/4	6-7/8	5/16	.344 +.015 +.000	6.250 +.000 -.002	6.252 +.003 +.000	6.875 +.004 +.000	6.250 +.000 -.004	6.873 +.000 -.002	6.875 +.003 +.000
U31-6.37	6-3/8	7	5/16	.344 +.015 +.000	6.375 +.000 -.002	6.377 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.002	7.000 +.003 +.000
U31-6.37N	6-3/8	7	5/16	.344 +.015 +.000	6.375 +.000 -.002	6.377 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.002	7.000 +.003 +.000
U31-6.37-62D	6-3/8	7	5/8	.688 +.015 +.000	6.375 +.000 -.002	6.377 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.002	7.000 +.003 +.000
U31-6.50	6-1/2	7-1/8	5/16	.344 +.015 +.000	6.500 +.000 -.002	6.502 +.003 +.000	7.125 +.004 +.000	6.500 +.000 -.004	7.123 +.000 -.002	7.125 +.003 +.000
U31-6.50-62B	6-1/2	7-1/8	5/8	.688 +.015 +.000	6.500 +.000 -.002	6.502 +.003 +.000	7.125 +.004 +.000	6.500 +.000 -.004	7.123 +.000 -.002	7.125 +.003 +.000
U31-6.62	6-5/8	7-1/4	5/16	.344 +.015 +.000	6.625 +.000 -.002	6.627 +.003 +.000	7.250 +.004 +.000	6.625 +.000 -.004	7.248 +.000 -.002	7.250 +.003 +.000
U31-7.00-62B	7	7-5/8	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.003 +.000	7.625 +.004 +.000	7.000 +.000 -.004	7.623 +.000 -.002	7.625 +.003 +.000
U31-7.37	7-3/8	8	5/16	.344 +.015 +.000	7.375 +.000 -.002	7.377 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.002	8.000 +.003 +.000
U31-7.37N	7-3/8	8	5/16	.344 +.015 +.000	7.375 +.000 -.002	7.377 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.002	8.000 +.003 +.000
U31-8.00-62B	8	8-5/8	5/8	.688 +.015 +.000	8.000 +.000 -.002	8.002 +.003 +.000	8.625 +.004 +.000	8.000 +.000 -.004	8.623 +.000 -.002	8.625 +.003 +.000
11/32" C/S										
U34-9.31	9-5/16	10	11/32	.379 +.015 +.000	9.312 +.000 -.002	9.314 +.003 +.000	10.000 +.004 +.000	9.312 +.000 -.004	9.998 +.000 -.002	10.000 +.003 +.000
3/8" C/S										
U37-0.50	1/2	1-1/4	3/8	.413 +.015 +.000	.500 +.000 -.002	.502 +.004 +.000	1.250 +.005 +.000	.500 +.000 -.005	1.248 +.000 -.002	1.250 +.004 +.000
U37-0.75	3/4	1-1/2	3/8	.413 +.015 +.000	.750 +.000 -.002	.751 +.004 +.000	1.500 +.005 +.000	.750 +.000 -.005	1.499 +.000 -.002	1.500 +.004 +.000
U37-0.81	13/16	1-9/16	3/8	.413 +.015 +.000	.812 +.000 -.002	.814 +.004 +.000	1.563 +.005 +.000	.812 +.000 -.005	1.560 +.000 -.002	1.563 +.004 +.000
U37-0.81-SQB	13/16	1-9/16	3/8	.413 +.015 +.000	.812 +.000 -.002	.814 +.004 +.000	1.563 +.005 +.000	.812 +.000 -.005	1.560 +.000 -.002	1.563 +.004 +.000
U37-0.87	7/8	1-5/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.877 +.004 +.000	1.625 +.005 +.000	.875 +.000 -.005	1.623 +.000 -.002	1.625 +.004 +.000
U37-0.93	15/16	1-11/16	3/8	.413 +.015 +.000	.937 +.000 -.002	.939 +.004 +.000	1.688 +.005 +.000	.937 +.000 -.005	1.685 +.000 -.002	1.688 +.004 +.000
U37-1.00	1	1-3/4	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.002 +.004 +.000	1.750 +.005 +.000	1.000 +.000 -.005	1.748 +.000 -.002	1.750 +.004 +.000
U37-1.00-62D	1	1-3/4	5/8	.688 +.015 +.000	1.000 +.000 -.002	1.002 +.004 +.000	1.750 +.005 +.000	1.000 +.000 -.005	1.748 +.000 -.002	1.750 +.004 +.000
U37-1.12	1-1/8	1-7/8	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.127 +.004 +.000	1.875 +.005 +.000	1.125 +.000 -.005	1.873 +.000 -.002	1.875 +.004 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-1.25	1-1/4	2	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.252 +.004 +.000	2.000 +.005 +.000	1.250 +.000 -.005	1.998 +.000 -.002	2.000 +.004 +.000
U37-1.25-62D	1-1/4	2	5/8	.688 +.015 +.000	1.250 +.000 -.002	1.252 +.004 +.000	2.000 +.005 +.000	1.250 +.000 -.005	1.998 +.000 -.002	2.000 +.004 +.000
U37-1.37	1-3/8	2-1/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.377 +.004 +.000	2.125 +.005 +.000	1.375 +.000 -.005	2.123 +.000 -.002	2.125 +.004 +.000
U37-1.50	1-1/2	2-1/4	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.502 +.004 +.000	2.250 +.005 +.000	1.500 +.000 -.005	2.248 +.000 -.002	2.250 +.004 +.000
U37-1.50-50B	1-1/2	2-1/4	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.502 +.004 +.000	2.250 +.005 +.000	1.500 +.000 -.005	2.248 +.000 -.002	2.250 +.004 +.000
U37-1.50-62B	1-1/2	2-1/4	5/8	.688 +.015 +.000	1.500 +.000 -.002	1.502 +.004 +.000	2.250 +.005 +.000	1.500 +.000 -.005	2.248 +.000 -.002	2.250 +.004 +.000
U37-1.56	1-9/16	2-5/16	3/8	.413 +.015 +.000	1.562 +.000 -.002	1.565 +.004 +.000	2.313 +.005 +.000	1.562 +.000 -.005	2.310 +.000 -.002	2.313 +.004 +.000
U37-1.62-SQB	1-5/8	2-3/8	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.627 +.004 +.000	2.375 +.005 +.000	1.625 +.000 -.005	2.373 +.000 -.002	2.375 +.004 +.000
U37-1.62-62B	1-5/8	2-3/8	5/8	.688 +.015 +.000	1.625 +.000 -.002	1.627 +.004 +.000	2.375 +.005 +.000	1.625 +.000 -.005	2.373 +.000 -.002	2.375 +.004 +.000
U37-1.75	1-3/4	2-1/2	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000
U37-1.75-62B	1-3/4	2-1/2	5/8	.688 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000
U37-1.87	1-7/8	2-5/8	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.877 +.004 +.000	2.625 +.005 +.000	1.875 +.000 -.005	2.623 +.000 -.002	2.625 +.004 +.000
U37-2.00	2	2-3/4	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
U37-2.00-SQB	2	2-3/4	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
U37-2.00-50B	2	2-3/4	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
U37-2.00-62B	2	2-3/4	5/8	.688 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
U37-2.12	2-1/8	2-7/8	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.127 +.004 +.000	2.875 +.005 +.000	2.125 +.000 -.005	2.873 +.000 -.002	2.875 +.004 +.000
U37-2.25	2-1/4	3	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
U37-2.25-SQB	2-1/4	3	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
U37-2.25-50B	2-1/4	3	1/2	.550 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
U37-2.25-62B	2-1/4	3	5/8	.688 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
U37-2.25-62D	2-1/4	3	5/8	.688 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
U37-2.37	2-3/8	3-1/8	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.377 +.004 +.000	3.125 +.005 +.000	2.375 +.000 -.005	3.123 +.000 -.002	3.125 +.004 +.000
U37-2.50	2-1/2	3-1/4	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.50-SQB	2-1/2	3-1/4	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.50-50B	2-1/2	3-1/4	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.50-62B	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.50-62D	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.62	2-5/8	3-3/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.627 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.373 +.000 -.002	3.375 +.004 +.000
U37-2.62-62B	2-5/8	3-3/8	5/8	.688 +.015 +.000	2.625 +.000 -.002	2.627 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.373 +.000 -.002	3.375 +.004 +.000
U37-2.75	2-3/4	3-1/2	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
U37-2.75-50B	2-3/4	3-1/2	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
U37-2.75-50D	2-3/4	3-1/2	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-2.75-62B	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
U37-2.75-62D	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
U37-2.81	2-13/16	3-9/16	3/8	.413 +.015 +.000	2.812 +.000 -.002	2.814 +.004 +.000	3.563 +.005 +.000	2.812 +.000 -.005	3.560 +.000 -.002	3.563 +.004 +.000
U37-2.93	2-15/16	3-11/16	3/8	.413 +.015 +.000	2.937 +.000 -.002	2.939 +.004 +.000	3.688 +.005 +.000	2.937 +.000 -.005	3.685 +.000 -.002	3.688 +.004 +.000
U37-3.00	3	3-3/4	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
U37-3.00-SQB	3	3-3/4	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
U37-3.00-50B	3	3-3/4	1/2	.550 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
U37-3.00-62B	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
U37-3.12-SQB	3-1/8	3-7/8	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.127 +.004 +.000	3.875 +.005 +.000	3.125 +.000 -.005	3.873 +.000 -.002	3.875 +.004 +.000
U37-3.25	3-1/4	4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
U37-3.25-50B	3-1/4	4	1/2	.550 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
U37-3.25-62B	3-1/4	4	5/8	.688 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
U37-3.37	3-3/8	4-1/8	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.377 +.004 +.000	4.125 +.005 +.000	3.375 +.000 -.005	4.123 +.000 -.002	4.125 +.004 +.000
U37-3.37-62B	3-3/8	4-1/8	5/8	.688 +.015 +.000	3.375 +.000 -.002	3.377 +.004 +.000	4.125 +.005 +.000	3.375 +.000 -.005	4.123 +.000 -.002	4.125 +.004 +.000
U37-3.50	3-1/2	4-1/4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
U37-3.50-50D	3-1/2	4-1/4	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
U37-3.50-62B	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
U37-3.62	3-5/8	4-3/8	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.627 +.004 +.000	4.375 +.005 +.000	3.625 +.000 -.005	4.373 +.000 -.002	4.375 +.004 +.000
U37-3.62-50B	3-5/8	4-3/8	1/2	.550 +.015 +.000	3.625 +.000 -.002	3.627 +.004 +.000	4.375 +.005 +.000	3.625 +.000 -.005	4.373 +.000 -.002	4.375 +.004 +.000
U37-3.62-62B	3-5/8	4-3/8	5/8	.688 +.015 +.000	3.625 +.000 -.002	3.627 +.004 +.000	4.375 +.005 +.000	3.625 +.000 -.005	4.373 +.000 -.002	4.375 +.004 +.000
U37-3.75	3-3/4	4-1/2	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
U37-3.75-SQB	3-3/4	4-1/2	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
U37-3.75-50D	3-3/4	4-1/2	1/2	.550 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
U37-3.75-62B	3-3/4	4-1/2	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
U37-3.87	3-7/8	4-5/8	3/8	.413 +.015 +.000	3.875 +.000 -.002	3.877 +.004 +.000	4.625 +.005 +.000	3.875 +.000 -.005	4.623 +.000 -.002	4.625 +.004 +.000
U37-4.00	4	4-3/4	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.00-50D	4	4-3/4	1/2	.550 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.00-62B	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.00-62D	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.12	4-1/8	4-7/8	3/8	.413 +.015 +.000	4.125 +.000 -.002	4.127 +.004 +.000	4.875 +.005 +.000	4.125 +.000 -.005	4.873 +.000 -.002	4.875 +.004 +.000
U37-4.25	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.25-SQB	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.25-50B	4-1/4	5	1/2	.550 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-4.25-50D	4-1/4	5	1/2	.550 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.25-62B	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.25-62D	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.37	4-3/8	5-1/8	3/8	.413 +.015 +.000	4.375 +.000 -.002	4.377 +.004 +.000	5.125 +.005 +.000	4.375 +.000 -.005	5.123 +.000 -.002	5.125 +.004 +.000
U37-4.37-62B	4-3/8	5-1/8	5/8	.688 +.015 +.000	4.375 +.000 -.002	4.377 +.004 +.000	5.125 +.005 +.000	4.375 +.000 -.005	5.123 +.000 -.002	5.125 +.004 +.000
U37-4.50	4-1/2	5-1/4	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
U37-4.50-SQB	4-1/2	5-1/4	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
U37-4.50-62B	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
U37-4.62	4-5/8	5-3/8	3/8	.413 +.015 +.000	4.625 +.000 -.002	4.627 +.004 +.000	5.375 +.005 +.000	4.625 +.000 -.005	5.373 +.000 -.002	5.375 +.004 +.000
U37-4.62-62B	4-5/8	5-3/8	5/8	.688 +.015 +.000	4.625 +.000 -.002	4.627 +.004 +.000	5.375 +.005 +.000	4.625 +.000 -.005	5.373 +.000 -.002	5.375 +.004 +.000
U37-4.75-SQB	4-3/4	5-1/2	3/8	.413 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
U37-4.75-50B	4-3/4	5-1/2	1/2	.550 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
U37-4.75-62B	4-3/4	5-1/2	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
U37-4.87	4-7/8	5-5/8	3/8	.413 +.015 +.000	4.875 +.000 -.002	4.877 +.004 +.000	5.625 +.005 +.000	4.875 +.000 -.005	5.623 +.000 -.002	5.625 +.004 +.000
U37-4.87-62B	4-7/8	5-5/8	5/8	.688 +.015 +.000	4.875 +.000 -.002	4.877 +.004 +.000	5.625 +.005 +.000	4.875 +.000 -.005	5.623 +.000 -.002	5.625 +.004 +.000
U37-5.00-SQB	5	5-3/4	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
U37-5.00-62B	5	5-3/4	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
U37-5.25	5-1/4	6	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-SQB	5-1/4	6	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-50B	5-1/4	6	1/2	.550 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-50D	5-1/4	6	1/2	.550 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-62B	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-62D	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.37	5-3/8	6-1/8	3/8	.413 +.015 +.000	5.375 +.000 -.002	5.377 +.004 +.000	6.125 +.005 +.000	5.375 +.000 -.005	6.123 +.000 -.002	6.125 +.004 +.000
U37-5.37-62B	5-3/8	6-1/8	5/8	.688 +.015 +.000	5.375 +.000 -.002	5.377 +.004 +.000	6.125 +.005 +.000	5.375 +.000 -.005	6.123 +.000 -.002	6.125 +.004 +.000
U37-5.50-SQB	5-1/2	6-1/4	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
U37-5.50-62B	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
U37-5.75	5-3/4	6-1/2	3/8	.413 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000
U37-5.75-62B	5-3/4	6-1/2	5/8	.688 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000
U37-5.87	5-7/8	6-5/8	3/8	.413 +.015 +.000	5.875 +.000 -.002	5.877 +.004 +.000	6.625 +.005 +.000	5.875 +.000 -.005	6.623 +.000 -.002	6.625 +.004 +.000
U37-5.87-62B	5-7/8	6-5/8	5/8	.688 +.015 +.000	5.875 +.000 -.002	5.877 +.004 +.000	6.625 +.005 +.000	5.875 +.000 -.005	6.623 +.000 -.002	6.625 +.004 +.000
U37-6.00-SQB	6	6-3/4	3/8	.413 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000
U37-6.00-62B	6	6-3/4	5/8	.688 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-6.25	6-1/4	7	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.25-50D	6-1/4	7	1/2	.550 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.25-62B	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.37	6-3/8	7-1/8	3/8	.413 +.015 +.000	6.375 +.000 -.002	6.377 +.004 +.000	7.125 +.005 +.000	6.375 +.000 -.005	7.123 +.000 -.002	7.125 +.004 +.000
U37-6.50	6-1/2	7-1/4	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
U37-6.50-50B	6-1/2	7-1/4	1/2	.550 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
U37-6.50-62B	6-1/2	7-1/4	5/8	.688 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
U37-6.75-62B	6-3/4	7-1/2	5/8	.688 +.015 +.000	6.750 +.000 -.002	6.752 +.004 +.000	7.500 +.005 +.000	6.750 +.000 -.005	7.498 +.000 -.002	7.500 +.004 +.000
U37-6.87-62B	6-7/8	7-5/8	5/8	.688 +.015 +.000	6.875 +.000 -.002	6.877 +.004 +.000	7.625 +.005 +.000	6.875 +.000 -.005	7.623 +.000 -.002	7.625 +.004 +.000
U37-7.00	7	7-3/4	3/8	.413 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	7.000 +.000 -.005	7.748 +.000 -.002	7.750 +.004 +.000
U37-7.00-50B	7	7-3/4	1/2	.550 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	7.000 +.000 -.005	7.748 +.000 -.002	7.750 +.004 +.000
U37-7.00-62B	7	7-3/4	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	7.000 +.000 -.005	7.748 +.000 -.002	7.750 +.004 +.000
U37-7.25	7-1/4	8	3/8	.413 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-7.25-SQB	7-1/4	8	3/8	.413 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-7.25-50D	7-1/4	8	1/2	.550 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-7.25-62B	7-1/4	8	5/8	.688 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-7.50-50B	7-1/2	8-1/4	1/2	.550 +.015 +.000	7.500 +.000 -.002	7.502 +.004 +.000	8.250 +.005 +.000	7.500 +.000 -.005	8.248 +.000 -.002	8.250 +.004 +.000
U37-7.75	7-3/4	8-1/2	3/8	.413 +.015 +.000	7.750 +.000 -.002	7.752 +.004 +.000	8.500 +.005 +.000	7.750 +.000 -.005	8.498 +.000 -.002	8.500 +.004 +.000
U37-7.75-62B	7-3/4	8-1/2	5/8	.688 +.015 +.000	7.750 +.000 -.002	7.752 +.004 +.000	8.500 +.005 +.000	7.750 +.000 -.005	8.498 +.000 -.002	8.500 +.004 +.000
U37-8.00-50D	8	8-3/4	1/2	.550 +.015 +.000	8.000 +.000 -.002	8.002 +.004 +.000	8.750 +.005 +.000	8.000 +.000 -.005	8.748 +.000 -.002	8.750 +.004 +.000
U37-8.00-62B	8	8-3/4	5/8	.688 +.015 +.000	8.000 +.000 -.002	8.002 +.004 +.000	8.750 +.005 +.000	8.000 +.000 -.005	8.748 +.000 -.002	8.750 +.004 +.000
U37-8.25	8-1/4	9	3/8	.413 +.015 +.000	8.250 +.000 -.002	8.252 +.004 +.000	9.000 +.005 +.000	8.250 +.000 -.005	8.998 +.000 -.002	9.000 +.004 +.000
U37-8.25-62B	8-1/4	9	5/8	.688 +.015 +.000	8.250 +.000 -.002	8.252 +.004 +.000	9.000 +.005 +.000	8.250 +.000 -.005	8.998 +.000 -.002	9.000 +.004 +.000
U37-8.75-62D	8-3/4	9-1/2	5/8	.688 +.015 +.000	8.750 +.000 -.002	8.752 +.004 +.000	9.500 +.005 +.000	8.750 +.000 -.005	9.498 +.000 -.002	9.500 +.004 +.000
U37-9.00	9	9-3/4	3/8	.413 +.015 +.000	9.000 +.000 -.002	9.002 +.004 +.000	9.750 +.005 +.000	9.000 +.000 -.005	9.748 +.000 -.002	9.750 +.004 +.000
U37-9.00-62B	9	9-3/4	5/8	.688 +.015 +.000	9.000 +.000 -.002	9.002 +.004 +.000	9.750 +.005 +.000	9.000 +.000 -.005	9.748 +.000 -.002	9.750 +.004 +.000
U37-9.25	9-1/4	10	3/8	.413 +.015 +.000	9.250 +.000 -.002	9.252 +.004 +.000	10.000 +.005 +.000	9.250 +.000 -.005	9.998 +.000 -.002	10.000 +.004 +.000
U37-9.25-50D	9-1/4	10	1/2	.550 +.015 +.000	9.250 +.000 -.002	9.252 +.004 +.000	10.000 +.005 +.000	9.250 +.000 -.005	9.998 +.000 -.002	10.000 +.004 +.000
U37-9.25-62B	9-1/4	10	5/8	.688 +.015 +.000	9.250 +.000 -.002	9.252 +.004 +.000	10.000 +.005 +.000	9.250 +.000 -.005	9.998 +.000 -.002	10.000 +.004 +.000
U37-9.50	9-1/2	10-1/4	3/8	.413 +.015 +.000	9.500 +.000 -.002	9.502 +.004 +.000	10.250 +.005 +.000	9.500 +.000 -.005	10.248 +.000 -.002	10.250 +.004 +.000
U37-9.50-62B	9-1/2	10-1/4	5/8	.688 +.015 +.000	9.500 +.000 -.002	9.502 +.004 +.000	10.250 +.005 +.000	9.500 +.000 -.005	10.248 +.000 -.002	10.250 +.004 +.000
U37-9.75-62B	9-3/4	10-1/2	5/8	.688 +.015 +.000	9.750 +.000 -.002	9.752 +.004 +.000	10.500 +.005 +.000	9.750 +.000 -.005	10.498 +.000 -.002	10.500 +.004 +.000
U37-10.00	10	10-3/4	3/8	.413 +.015 +.000	10.000 +.000 -.002	10.002 +.004 +.000	10.750 +.005 +.000	10.000 +.000 -.005	10.748 +.000 -.002	10.750 +.004 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-10.00-62B	10	10-3/4	5/8	.688 +.015 +.000	10.000 +.000 -.002	10.002 +.004 +.000	10.750 +.005 +.000	10.000 +.000 -.005	10.748 +.000 -.002	10.750 +.004 +.000
U37-10.50-62B	10-1/2	11-1/4	5/8	.688 +.015 +.000	10.500 +.000 -.002	10.502 +.004 +.000	11.250 +.005 +.000	10.500 +.000 -.005	11.248 +.000 -.002	11.250 +.004 +.000
U37-11.00-62B	11	11-3/4	5/8	.688 +.015 +.000	11.000 +.000 -.002	11.002 +.004 +.000	11.750 +.005 +.000	11.000 +.000 -.005	11.748 +.000 -.002	11.750 +.004 +.000
U37-11.25	11-1/4	12	3/8	.413 +.015 +.000	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.002	12.000 +.004 +.000
U37-11.25-62B	11-1/4	12	5/8	.688 +.015 +.000	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.002	12.000 +.004 +.000
U37-11.25-62D	11-1/4	12	5/8	.688 +.015 +.000	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.002	12.000 +.004 +.000
U37-12.00-62B	12	12-3/4	5/8	.688 +.015 +.000	12.000 +.000 -.002	12.002 +.004 +.000	12.750 +.005 +.000	12.000 +.000 -.005	12.748 +.000 -.002	12.750 +.004 +.000
U37-12.25	12-1/4	13	3/8	.413 +.015 +.000	12.250 +.000 -.002	12.252 +.004 +.000	13.000 +.005 +.000	12.250 +.000 -.005	12.998 +.000 -.002	13.000 +.004 +.000
U37-13.25	13-1/4	14	3/8	.413 +.015 +.000	13.250 +.000 -.002	13.252 +.004 +.000	14.000 +.005 +.000	13.250 +.000 -.005	13.998 +.000 -.002	14.000 +.004 +.000
U37-14.25-62B	14-1/4	15	5/8	.688 +.015 +.000	14.250 +.000 -.002	14.252 +.004 +.000	15.000 +.005 +.000	14.250 +.000 -.005	14.998 +.000 -.002	15.000 +.004 +.000
7/16" C/S										
U43-1.50	1-1/2	2-3/8	7/16	.482 +.015 +.000	1.500 +.000 -.003	1.502 +.004 +.000	2.375 +.006 +.000	1.500 +.000 -.006	2.373 +.000 -.002	2.375 +.005 +.000
U43-2.50	2-1/2	3-3/8	7/16	.482 +.015 +.000	2.500 +.000 -.003	2.502 +.004 +.000	3.375 +.006 +.000	2.500 +.000 -.006	3.373 +.000 -.002	3.375 +.005 +.000
U43-3.12	3-1/8	4	7/16	.482 +.015 +.000	3.125 +.000 -.003	3.127 +.004 +.000	4.000 +.006 +.000	3.125 +.000 -.006	3.998 +.000 -.002	4.000 +.005 +.000
U43-3.87-75B	3-7/8	4-3/4	3/4	.825 +.015 +.000	3.875 +.000 -.003	3.877 +.004 +.000	4.750 +.006 +.000	3.875 +.000 -.006	4.748 +.000 -.002	4.750 +.005 +.000
U43-4.50	4-1/2	5-3/8	7/16	.482 +.015 +.000	4.500 +.000 -.003	4.502 +.004 +.000	5.375 +.006 +.000	4.500 +.000 -.006	5.373 +.000 -.002	5.375 +.005 +.000
U43-4.75	4-3/4	5-5/8	7/16	.482 +.015 +.000	4.750 +.000 -.003	4.752 +.004 +.000	5.625 +.006 +.000	4.750 +.000 -.006	5.623 +.000 -.002	5.625 +.005 +.000
U43-4.75-75B	4-3/4	5-5/8	3/4	.825 +.015 +.000	4.750 +.000 -.003	4.752 +.004 +.000	5.625 +.006 +.000	4.750 +.000 -.006	5.623 +.000 -.002	5.625 +.005 +.000
U43-5.12	5-1/8	6	7/16	.482 +.015 +.000	5.125 +.000 -.003	5.127 +.004 +.000	6.000 +.006 +.000	5.125 +.000 -.006	5.998 +.000 -.002	6.000 +.005 +.000
U43-5.25	5-1/4	6-1/8	7/16	.482 +.015 +.000	5.250 +.000 -.003	5.252 +.004 +.000	6.125 +.006 +.000	5.250 +.000 -.006	6.123 +.000 -.002	6.125 +.005 +.000
1/2" C/S										
U50-1.00	1	2	1/2	.550 +.015 +.000	1.000 +.000 -.003	1.002 +.005 +.000	2.000 +.007 +.000	1.000 +.000 -.007	1.998 +.000 -.003	2.000 +.005 +.000
U50-1.25	1-1/4	2-1/4	1/2	.550 +.015 +.000	1.250 +.000 -.003	1.252 +.005 +.000	2.250 +.007 +.000	1.250 +.000 -.007	2.248 +.000 -.003	2.250 +.005 +.000
U50-1.50	1-1/2	2-1/2	1/2	.550 +.015 +.000	1.500 +.000 -.003	1.502 +.005 +.000	2.500 +.007 +.000	1.500 +.000 -.007	2.498 +.000 -.003	2.500 +.005 +.000
U50-1.75	1-3/4	2-3/4	1/2	.550 +.015 +.000	1.750 +.000 -.003	1.752 +.005 +.000	2.750 +.007 +.000	1.750 +.000 -.007	2.748 +.000 -.003	2.750 +.005 +.000
U50-1.87-62B	1-7/8	2-7/8	5/8	.688 +.015 +.000	1.875 +.000 -.003	1.877 +.005 +.000	2.875 +.007 +.000	1.875 +.000 -.007	2.873 +.000 -.003	2.875 +.005 +.000
U50-2.00	2	3	1/2	.550 +.015 +.000	2.000 +.000 -.003	2.002 +.005 +.000	3.000 +.007 +.000	2.000 +.000 -.007	2.998 +.000 -.003	3.000 +.005 +.000
U50-2.00-SQB	2	3	1/2	.550 +.015 +.000	2.000 +.000 -.003	2.002 +.005 +.000	3.000 +.007 +.000	2.000 +.000 -.007	2.998 +.000 -.003	3.000 +.005 +.000
U50-2.00-75B	2	3	3/4	.825 +.015 +.000	2.000 +.000 -.003	2.002 +.005 +.000	3.000 +.007 +.000	2.000 +.000 -.007	2.998 +.000 -.003	3.000 +.005 +.000
U50-2.25	2-1/4	3-1/4	1/2	.550 +.015 +.000	2.250 +.000 -.003	2.252 +.005 +.000	3.250 +.007 +.000	2.250 +.000 -.007	3.248 +.000 -.003	3.250 +.005 +.000
U50-2.37-SQB	2-3/8	3-3/8	1/2	.550 +.015 +.000	2.375 +.000 -.003	2.377 +.005 +.000	3.375 +.007 +.000	2.375 +.000 -.007	3.373 +.000 -.003	3.375 +.005 +.000
U50-2.50	2-1/2	3-1/2	1/2	.550 +.015 +.000	2.500 +.000 -.003	2.502 +.005 +.000	3.500 +.007 +.000	2.500 +.000 -.007	3.498 +.000 -.003	3.500 +.005 +.000
U50-2.50-75B	2-1/2	3-1/2	3/4	.825 +.015 +.000	2.500 +.000 -.003	2.502 +.005 +.000	3.500 +.007 +.000	2.500 +.000 -.007	3.498 +.000 -.003	3.500 +.005 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U50-2.75	2-3/4	3-3/4	1/2	.550 +.015 +.000	2.750 +.000 -.003	2.752 +.005 +.000	3.750 +.007 +.000	2.750 +.000 -.007	3.748 +.000 -.003	3.750 +.005 +.000
U50-3.00	3	4	1/2	.550 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
U50-3.00-SQB	3	4	1/2	.550 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
U50-3.00-62B	3	4	5/8	.688 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
U50-3.00-75B	3	4	3/4	.825 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
U50-3.00-75D	3	4	3/4	.825 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
U50-3.25	3-1/4	4-1/4	1/2	.550 +.015 +.000	3.250 +.000 -.003	3.252 +.005 +.000	4.250 +.007 +.000	3.250 +.000 -.007	4.248 +.000 -.003	4.250 +.005 +.000
U50-3.50	3-1/2	4-1/2	1/2	.550 +.015 +.000	3.500 +.000 -.003	3.502 +.005 +.000	4.500 +.007 +.000	3.500 +.000 -.007	4.498 +.000 -.003	4.500 +.005 +.000
U50-3.50-75B	3-1/2	4-1/2	3/4	.825 +.015 +.000	3.500 +.000 -.003	3.502 +.005 +.000	4.500 +.007 +.000	3.500 +.000 -.007	4.498 +.000 -.003	4.500 +.005 +.000
U50-3.50-75D	3-1/2	4-1/2	3/4	.825 +.015 +.000	3.500 +.000 -.003	3.502 +.005 +.000	4.500 +.007 +.000	3.500 +.000 -.007	4.498 +.000 -.003	4.500 +.005 +.000
U50-3.62	3-5/8	4-5/8	1/2	.550 +.015 +.000	3.625 +.000 -.003	3.627 +.005 +.000	4.625 +.007 +.000	3.625 +.000 -.007	4.623 +.000 -.003	4.625 +.005 +.000
U50-3.75	3-3/4	4-3/4	1/2	.550 +.015 +.000	3.750 +.000 -.003	3.752 +.005 +.000	4.750 +.007 +.000	3.750 +.000 -.007	4.748 +.000 -.003	4.750 +.005 +.000
U50-4.00	4	5	1/2	.550 +.015 +.000	4.000 +.000 -.003	4.002 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.003	5.000 +.005 +.000
U50-4.00-67D	4	5	43/64	.740 +.015 +.000	4.000 +.000 -.003	4.002 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.003	5.000 +.005 +.000
U50-4.00-75B	4	5	3/4	.825 +.015 +.000	4.000 +.000 -.003	4.002 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.003	5.000 +.005 +.000
U50-4.25	4-1/4	5-1/4	1/2	.550 +.015 +.000	4.250 +.000 -.003	4.252 +.005 +.000	5.250 +.007 +.000	4.250 +.000 -.007	5.248 +.000 -.003	5.250 +.005 +.000
U50-4.25-75B	4-1/4	5-1/4	3/4	.825 +.015 +.000	4.250 +.000 -.003	4.252 +.005 +.000	5.250 +.007 +.000	4.250 +.000 -.007	5.248 +.000 -.003	5.250 +.005 +.000
U50-4.50	4-1/2	5-1/2	1/2	.550 +.015 +.000	4.500 +.000 -.003	4.502 +.005 +.000	5.500 +.007 +.000	4.500 +.000 -.007	5.498 +.000 -.003	5.500 +.005 +.000
U50-4.50-75B	4-1/2	5-1/2	3/4	.825 +.015 +.000	4.500 +.000 -.003	4.502 +.005 +.000	5.500 +.007 +.000	4.500 +.000 -.007	5.498 +.000 -.003	5.500 +.005 +.000
U50-4.50-75D	4-1/2	5-1/2	3/4	.825 +.015 +.000	4.500 +.000 -.003	4.502 +.005 +.000	5.500 +.007 +.000	4.500 +.000 -.007	5.498 +.000 -.003	5.500 +.005 +.000
U50-4.75	4-3/4	5-3/4	1/2	.550 +.015 +.000	4.750 +.000 -.003	4.752 +.005 +.000	5.750 +.007 +.000	4.750 +.000 -.007	5.748 +.000 -.003	5.750 +.005 +.000
U50-4.75-69B	4-3/4	5-3/4	.69	.759 +.015 +.000	4.750 +.000 -.003	4.752 +.005 +.000	5.750 +.007 +.000	4.750 +.000 -.007	5.748 +.000 -.003	5.750 +.005 +.000
U50-5.00	5	6	1/2	.550 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
U50-5.00-SQB	5	6	1/2	.550 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
U50-5.00-75B	5	6	3/4	.825 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
U50-5.00-75D	5	6	3/4	.825 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
U50-5.25	5-1/4	6-1/4	1/2	.550 +.015 +.000	5.250 +.000 -.003	5.252 +.005 +.000	6.250 +.007 +.000	5.250 +.000 -.007	6.248 +.000 -.003	6.250 +.005 +.000
U50-5.25-75B	5-1/4	6-1/4	3/4	.825 +.015 +.000	5.250 +.000 -.003	5.252 +.005 +.000	6.250 +.007 +.000	5.250 +.000 -.007	6.248 +.000 -.003	6.250 +.005 +.000
U50-5.37-75B	5-3/8	6-3/8	3/4	.825 +.015 +.000	5.375 +.000 -.003	5.377 +.005 +.000	6.375 +.007 +.000	5.375 +.000 -.007	6.373 +.000 -.003	6.375 +.005 +.000
U50-5.50	5-1/2	6-1/2	1/2	.550 +.015 +.000	5.500 +.000 -.003	5.502 +.005 +.000	6.500 +.007 +.000	5.500 +.000 -.007	6.498 +.000 -.003	6.500 +.005 +.000
U50-5.50-75B	5-1/2	6-1/2	3/4	.825 +.015 +.000	5.500 +.000 -.003	5.502 +.005 +.000	6.500 +.007 +.000	5.500 +.000 -.007	6.498 +.000 -.003	6.500 +.005 +.000
U50-5.50-75D	5-1/2	6-1/2	3/4	.825 +.015 +.000	5.500 +.000 -.003	5.502 +.005 +.000	6.500 +.007 +.000	5.500 +.000 -.007	6.498 +.000 -.003	6.500 +.005 +.000
U50-5.75	5-3/4	6-3/4	1/2	.550 +.015 +.000	5.750 +.000 -.003	5.752 +.005 +.000	6.750 +.007 +.000	5.750 +.000 -.007	6.748 +.000 -.003	6.750 +.005 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U50-5.75-75B	5-3/4	6-3/4	3/4	.825 +.015 +.000	5.750 +.000 -.003	5.752 +.005 +.000	6.750 +.007 +.000	5.750 +.000 -.007	6.748 +.000 -.003	6.750 +.005 +.000
U50-6.00-SQB	6	7	1/2	.550 +.015 +.000	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
U50-6.00-75B	6	7	3/4	.825 +.015 +.000	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
U50-6.00-75D	6	7	3/4	.825 +.015 +.000	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
U50-6.25	6-1/4	7-1/4	1/2	.550 +.015 +.000	6.250 +.000 -.003	6.252 +.005 +.000	7.250 +.007 +.000	6.250 +.000 -.007	7.248 +.000 -.003	7.250 +.005 +.000
U50-6.50	6-1/2	7-1/2	1/2	.550 +.015 +.000	6.500 +.000 -.003	6.502 +.005 +.000	7.500 +.007 +.000	6.500 +.000 -.007	7.498 +.000 -.003	7.500 +.005 +.000
U50-6.50-75B	6-1/2	7-1/2	3/4	.825 +.015 +.000	6.500 +.000 -.003	6.502 +.005 +.000	7.500 +.007 +.000	6.500 +.000 -.007	7.498 +.000 -.003	7.500 +.005 +.000
U50-6.75-75B	6-3/4	7-3/4	3/4	.825 +.015 +.000	6.750 +.000 -.003	6.752 +.005 +.000	7.750 +.007 +.000	6.750 +.000 -.007	7.748 +.000 -.003	7.750 +.005 +.000
U50-7.00	7	8	1/2	.550 +.015 +.000	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
U50-7.00-75B	7	8	3/4	.825 +.015 +.000	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
U50-7.25	7-1/4	8-1/4	1/2	.550 +.015 +.000	7.250 +.000 -.003	7.252 +.005 +.000	8.250 +.007 +.000	7.250 +.000 -.007	8.248 +.000 -.003	8.250 +.005 +.000
U50-7.50	7-1/2	8-1/2	1/2	.550 +.015 +.000	7.500 +.000 -.003	7.502 +.005 +.000	8.500 +.007 +.000	7.500 +.000 -.007	8.498 +.000 -.003	8.500 +.005 +.000
U50-7.50-75D	7-1/2	8-1/2	3/4	.825 +.015 +.000	7.500 +.000 -.003	7.502 +.005 +.000	8.500 +.007 +.000	7.500 +.000 -.007	8.498 +.000 -.003	8.500 +.005 +.000
U50-8.00	8	9	1/2	.550 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
U50-8.00-75B	8	9	3/4	.825 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
U50-8.00-75D	8	9	3/4	.825 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
U50-8.50	8-1/2	9-1/2	1/2	.550 +.015 +.000	8.500 +.000 -.003	8.502 +.005 +.000	9.500 +.007 +.000	8.500 +.000 -.007	9.498 +.000 -.003	9.500 +.005 +.000
U50-8.50-75B	8-1/2	9-1/2	3/4	.825 +.015 +.000	8.500 +.000 -.003	8.502 +.005 +.000	9.500 +.007 +.000	8.500 +.000 -.007	9.498 +.000 -.003	9.500 +.005 +.000
U50-8.75	8-3/4	9-3/4	1/2	.550 +.015 +.000	8.750 +.000 -.003	8.752 +.005 +.000	9.750 +.007 +.000	8.750 +.000 -.007	9.748 +.000 -.003	9.750 +.005 +.000
U50-9.00	9	10	1/2	.550 +.015 +.000	9.000 +.000 -.003	9.002 +.005 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000
U50-9.00N	9	10	1/2	.550 +.015 +.000	9.000 +.000 -.003	9.002 +.005 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000
U50-9.00-75B	9	10	3/4	.825 +.015 +.000	9.000 +.000 -.003	9.002 +.005 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000
U50-9.25-75B	9-1/4	10-1/4	3/4	.825 +.015 +.000	9.250 +.000 -.003	9.252 +.005 +.000	10.250 +.007 +.000	9.250 +.000 -.007	10.248 +.000 -.003	10.250 +.005 +.000
U50-9.50	9-1/2	10-1/2	1/2	.550 +.015 +.000	9.500 +.000 -.003	9.502 +.005 +.000	10.500 +.007 +.000	9.500 +.000 -.007	10.498 +.000 -.003	10.500 +.005 +.000
U50-10.00	10	11	1/2	.550 +.015 +.000	10.000 +.000 -.003	10.002 +.005 +.000	11.000 +.007 +.000	10.000 +.000 -.007	10.998 +.000 -.003	11.000 +.005 +.000
U50-10.00-75B	10	11	3/4	.825 +.015 +.000	10.000 +.000 -.003	10.002 +.005 +.000	11.000 +.007 +.000	10.000 +.000 -.007	10.998 +.000 -.003	11.000 +.005 +.000
U50-10.00-75D	10	11	3/4	.825 +.015 +.000	10.000 +.000 -.003	10.002 +.005 +.000	11.000 +.007 +.000	10.000 +.000 -.007	10.998 +.000 -.003	11.000 +.005 +.000
U50-10.50	10-1/2	11-1/2	1/2	.550 +.015 +.000	10.500 +.000 -.003	10.502 +.005 +.000	11.500 +.007 +.000	10.500 +.000 -.007	11.498 +.000 -.003	11.500 +.005 +.000
U50-10.62-75B	10-5/8	11-5/8	3/4	.825 +.015 +.000	10.625 +.000 -.003	10.627 +.005 +.000	11.625 +.007 +.000	10.625 +.000 -.007	11.623 +.000 -.003	11.625 +.005 +.000
U50-11.00	11	12	1/2	.550 +.015 +.000	11.000 +.000 -.003	11.002 +.005 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.003	12.000 +.005 +.000
U50-11.00-75B	11	12	3/4	.825 +.015 +.000	11.000 +.000 -.003	11.002 +.005 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.003	12.000 +.005 +.000
U50-11.50-75D	11-1/2	12-1/2	3/4	.825 +.015 +.000	11.500 +.000 -.003	11.502 +.005 +.000	12.500 +.007 +.000	11.500 +.000 -.007	12.498 +.000 -.003	12.500 +.005 +.000
U50-12.00	12	13	1/2	.550 +.015 +.000	12.000 +.000 -.003	12.002 +.005 +.000	13.000 +.007 +.000	12.000 +.000 -.007	12.998 +.000 -.003	13.000 +.005 +.000

STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U50-12.00-75B	12	13	3/4	.825 +.015 +.000	12.000 +.000 -.003	12.002 +.005 +.000	13.000 +.007 +.000	12.000 +.000 -.007	12.998 +.000 -.003	13.000 +.005 +.000
U50-13.00	13	14	1/2	.550 +.015 +.000	13.000 +.000 -.003	13.002 +.005 +.000	14.000 +.007 +.000	13.000 +.000 -.007	13.998 +.000 -.003	14.000 +.005 +.000
U50-13.00-75B	13	14	3/4	.825 +.015 +.000	13.000 +.000 -.003	13.002 +.005 +.000	14.000 +.007 +.000	13.000 +.000 -.007	13.998 +.000 -.003	14.000 +.005 +.000
U50-13.50-75D	13-1/2	14-1/2	3/4	.825 +.015 +.000	13.500 +.000 -.003	13.502 +.005 +.000	14.500 +.007 +.000	13.500 +.000 -.007	14.498 +.000 -.003	14.500 +.005 +.000
U50-14.00-75B	14	15	3/4	.825 +.015 +.000	14.000 +.000 -.003	14.002 +.005 +.000	15.000 +.007 +.000	14.000 +.000 -.007	14.998 +.000 -.003	15.000 +.005 +.000
U50-15.00	15	16	1/2	.550 +.015 +.000	15.000 +.000 -.003	15.002 +.005 +.000	16.000 +.007 +.000	15.000 +.000 -.007	15.998 +.000 -.003	16.000 +.005 +.000
U50-15.00-75B	15	16	3/4	.825 +.015 +.000	15.000 +.000 -.003	15.002 +.005 +.000	16.000 +.007 +.000	15.000 +.000 -.007	15.998 +.000 -.003	16.000 +.005 +.000
U50-15.50-75D	15-1/2	16-1/2	3/4	.825 +.015 +.000	15.500 +.000 -.003	15.502 +.005 +.000	16.500 +.007 +.000	15.500 +.000 -.007	16.498 +.000 -.003	16.500 +.005 +.000
U50-17.00-75B	17	18	3/4	.825 +.015 +.000	17.000 +.000 -.003	17.002 +.005 +.000	18.000 +.007 +.000	17.000 +.000 -.007	17.998 +.000 -.003	18.000 +.005 +.000
5/8" C/S										
U62-1.25	1-1/4	2-1/2	5/8	.688 +.015 +.000	1.250 +.000 -.003	1.252 +.006 +.000	2.500 +.009 +.000	1.250 +.000 -.009	2.498 +.000 -.003	2.500 +.006 +.000
U62-1.75	1-3/4	3	5/8	.688 +.015 +.000	1.750 +.000 -.003	1.752 +.006 +.000	3.000 +.009 +.000	1.750 +.000 -.009	2.998 +.000 -.003	3.000 +.006 +.000
U62-2.75	2-3/4	4	5/8	.688 +.015 +.000	2.750 +.000 -.003	2.752 +.006 +.000	4.000 +.009 +.000	2.750 +.000 -.009	3.998 +.000 -.003	4.000 +.006 +.000
U62-3.00	3	4-1/4	5/8	.688 +.015 +.000	3.000 +.000 -.003	3.002 +.006 +.000	4.250 +.009 +.000	3.000 +.000 -.009	4.248 +.000 -.003	4.250 +.006 +.000
U62-3.25	3-1/4	4-1/2	5/8	.688 +.015 +.000	3.250 +.000 -.003	3.252 +.006 +.000	4.500 +.009 +.000	3.250 +.000 -.009	4.498 +.000 -.003	4.500 +.006 +.000
U62-3.50	3-1/2	4-3/4	5/8	.688 +.015 +.000	3.500 +.000 -.003	3.502 +.006 +.000	4.750 +.009 +.000	3.500 +.000 -.009	4.748 +.000 -.003	4.750 +.006 +.000
U62-3.75	3-3/4	5	5/8	.688 +.015 +.000	3.750 +.000 -.003	3.752 +.006 +.000	5.000 +.009 +.000	3.750 +.000 -.009	4.998 +.000 -.003	5.000 +.006 +.000
U62-4.00	4	5-1/4	5/8	.688 +.015 +.000	4.000 +.000 -.003	4.002 +.006 +.000	5.250 +.009 +.000	4.000 +.000 -.009	5.248 +.000 -.003	5.250 +.006 +.000
U62-4.25	4-1/4	5-1/2	5/8	.688 +.015 +.000	4.250 +.000 -.003	4.252 +.006 +.000	5.500 +.009 +.000	4.250 +.000 -.009	5.498 +.000 -.003	5.500 +.006 +.000
U62-4.75	4-3/4	6	5/8	.688 +.015 +.000	4.750 +.000 -.003	4.752 +.006 +.000	6.000 +.009 +.000	4.750 +.000 -.009	5.998 +.000 -.003	6.000 +.006 +.000
U62-4.75-75D	4-3/4	6	3/4	.825 +.015 +.000	4.750 +.000 -.003	4.752 +.006 +.000	6.000 +.009 +.000	4.750 +.000 -.009	5.998 +.000 -.003	6.000 +.006 +.000
U62-5.00	5	6-1/4	5/8	.688 +.015 +.000	5.000 +.000 -.003	5.002 +.006 +.000	6.250 +.009 +.000	5.000 +.000 -.009	6.248 +.000 -.003	6.250 +.006 +.000
U62-5.25	5-1/4	6-1/2	5/8	.688 +.015 +.000	5.250 +.000 -.003	5.252 +.006 +.000	6.500 +.009 +.000	5.250 +.000 -.009	6.498 +.000 -.003	6.500 +.006 +.000
U62-5.50	5-1/2	6-3/4	5/8	.688 +.015 +.000	5.500 +.000 -.003	5.502 +.006 +.000	6.750 +.009 +.000	5.500 +.000 -.009	6.748 +.000 -.003	6.750 +.006 +.000
U62-5.75	5-3/4	7	5/8	.688 +.015 +.000	5.750 +.000 -.003	5.752 +.006 +.000	7.000 +.009 +.000	5.750 +.000 -.009	6.998 +.000 -.003	7.000 +.006 +.000
U62-6.00	6	7-1/4	5/8	.688 +.015 +.000	6.000 +.000 -.003	6.002 +.006 +.000	7.250 +.009 +.000	6.000 +.000 -.009	7.248 +.000 -.003	7.250 +.006 +.000
U62-6.25	6-1/4	7-1/2	5/8	.688 +.015 +.000	6.250 +.000 -.003	6.252 +.006 +.000	7.500 +.009 +.000	6.250 +.000 -.009	7.498 +.000 -.003	7.500 +.006 +.000
U62-7.00-100B	7	8-1/4	1	1.100 +.015 +.000	7.000 +.000 -.003	7.002 +.006 +.000	8.250 +.009 +.000	7.000 +.000 -.009	8.248 +.000 -.003	8.250 +.006 +.000
U62-7.25	7-1/4	8-1/2	5/8	.688 +.015 +.000	7.250 +.000 -.003	7.252 +.006 +.000	8.500 +.009 +.000	7.250 +.000 -.009	8.498 +.000 -.003	8.500 +.006 +.000
U62-8.00	8	9-1/4	5/8	.688 +.015 +.000	8.000 +.000 -.003	8.002 +.006 +.000	9.250 +.009 +.000	8.000 +.000 -.009	9.248 +.000 -.003	9.250 +.006 +.000
U62-8.50	8-1/2	9-3/4	5/8	.688 +.015 +.000	8.500 +.000 -.003	8.502 +.006 +.000	9.750 +.009 +.000	8.500 +.000 -.009	9.748 +.000 -.003	9.750 +.006 +.000
U62-8.75	8-3/4	10	5/8	.688 +.015 +.000	8.750 +.000 -.003	8.752 +.006 +.000	10.000 +.009 +.000	8.750 +.000 -.009	9.998 +.000 -.003	10.000 +.006 +.000
U62-9.00	9	10-1/4	5/8	.688 +.015 +.000	9.000 +.000 -.003	9.002 +.006 +.000	10.250 +.009 +.000	9.000 +.000 -.009	10.248 +.000 -.003	10.250 +.006 +.000

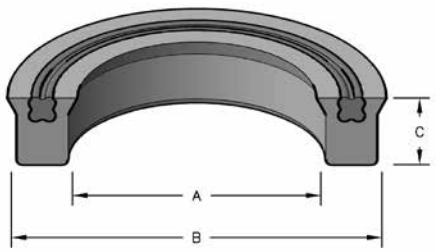
STYLE 800 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U62-9.50	9-1/2	10-3/4	5/8	.688 +.015 +.000	9.500 +.000 -.003	9.502 +.006 +.000	10.750 +.009 +.000	9.500 +.000 -.009	10.748 +.000 -.003	10.750 +.006 +.000
U62-9.75	9-3/4	11	5/8	.688 +.015 +.000	9.750 +.000 -.003	9.752 +.006 +.000	11.000 +.009 +.000	9.750 +.000 -.009	10.998 +.000 -.003	11.000 +.006 +.000
U62-10.00-100B	10	11-1/4	1	1.100 +.015 +.000	10.000 +.000 -.003	10.002 +.006 +.000	11.250 +.009 +.000	10.000 +.000 -.009	11.248 +.000 -.003	11.250 +.006 +.000
U62-12.00	12	13-1/4	5/8	.688 +.015 +.000	12.000 +.000 -.003	12.002 +.006 +.000	13.250 +.009 +.000	12.000 +.000 -.009	13.248 +.000 -.003	13.250 +.006 +.000
U62-14.00-100D	14	15-1/4	1	1.100 +.015 +.000	14.000 +.000 -.003	14.002 +.006 +.000	15.250 +.009 +.000	14.000 +.000 -.009	15.248 +.000 -.003	15.250 +.006 +.000
U62-14.75-100B	14-3/4	16	1	1.100 +.015 +.000	14.750 +.000 -.003	14.752 +.006 +.000	16.000 +.009 +.000	14.750 +.000 -.009	15.998 +.000 -.003	16.000 +.006 +.000
3/4" C/S										
U75-3.50-SQB	3-1/2	5	3/4	.825 +.015 +.000	3.500 +.000 -.004	3.502 +.007 +.000	5.000 +.011 +.000	3.500 +.000 -.010	4.998 +.000 -.004	5.000 +.007 +.000
U75-4.50	4-1/2	6	3/4	.825 +.015 +.000	4.500 +.000 -.004	4.502 +.007 +.000	6.000 +.011 +.000	4.500 +.000 -.010	5.998 +.000 -.004	6.000 +.007 +.000
U75-6.00	6	7-1/2	3/4	.825 +.015 +.000	6.000 +.000 -.004	6.002 +.007 +.000	7.500 +.011 +.000	6.000 +.000 -.010	7.498 +.000 -.004	7.500 +.007 +.000
U75-6.50	6-1/2	8	3/4	.825 +.015 +.000	6.500 +.000 -.004	6.502 +.007 +.000	8.000 +.011 +.000	6.500 +.000 -.010	7.998 +.000 -.004	8.000 +.007 +.000
U75-7.00	7	8-1/2	3/4	.825 +.015 +.000	7.000 +.000 -.004	7.002 +.007 +.000	8.500 +.011 +.000	7.000 +.000 -.010	8.498 +.000 -.004	8.500 +.007 +.000
U75-8.00	8	9-1/2	3/4	.825 +.015 +.000	8.000 +.000 -.004	8.002 +.007 +.000	9.500 +.011 +.000	8.000 +.000 -.010	9.498 +.000 -.004	9.500 +.007 +.000
U75-9.50	9-1/2	11	3/4	.825 +.015 +.000	9.500 +.000 -.004	9.502 +.007 +.000	11.000 +.011 +.000	9.500 +.000 -.010	10.998 +.000 -.004	11.000 +.007 +.000
U75-10.00	10	11-1/2	3/4	.825 +.015 +.000	10.000 +.000 -.004	10.002 +.006 +.000	11.500 +.011 +.000	10.000 +.000 -.010	11.498 +.000 -.003	11.500 +.007 +.000
U75-10.50	10-1/2	12	3/4	.825 +.015 +.000	10.500 +.000 -.004	10.502 +.006 +.000	12.000 +.011 +.000	10.500 +.000 -.010	11.998 +.000 -.003	12.000 +.007 +.000
U75-11.00	11	12-1/2	3/4	.825 +.015 +.000	11.000 +.000 -.004	11.002 +.006 +.000	12.500 +.011 +.000	11.000 +.000 -.010	12.498 +.000 -.003	12.500 +.007 +.000
U75-12.50	12-1/2	14	3/4	.825 +.015 +.000	12.500 +.000 -.004	12.502 +.006 +.000	14.000 +.011 +.000	12.500 +.000 -.010	13.998 +.000 -.003	14.000 +.007 +.000
U75-14.00	14	15-1/2	3/4	.825 +.015 +.000	14.000 +.000 -.004	14.002 +.006 +.000	15.500 +.011 +.000	14.000 +.000 -.010	15.498 +.000 -.003	15.500 +.007 +.000
U75-14.50	14-1/2	16	3/4	.825 +.015 +.000	14.500 +.000 -.004	14.501 +.006 +.000	16.000 +.011 +.000	14.500 +.000 -.010	15.999 +.000 -.003	16.000 +.007 +.000
1" C/S										
U100-10.00	10	12	1	1.100 +.015 +.000	10.000 +.000 -.005	10.002 +.007 +.000	12.000 +.015 +.000	10.000 +.000 -.012	11.998 +.000 -.004	12.000 +.009 +.000
U100-12.00-150D	12	14	1-1/2	1.650 +.015 +.000	12.000 +.000 -.005	12.002 +.007 +.000	14.000 +.015 +.000	12.000 +.000 -.012	13.998 +.000 -.004	14.000 +.009 +.000
U100-16.00	16	18	1	1.100 +.015 +.000	16.000 +.000 -.005	16.002 +.007 +.000	18.000 +.015 +.000	16.000 +.000 -.012	17.998 +.000 -.004	18.000 +.009 +.000
U100-18.00	18	20	1	1.100 +.015 +.000	18.000 +.000 -.005	18.002 +.007 +.000	20.000 +.015 +.000	18.000 +.000 -.012	19.998 +.000 -.004	20.000 +.009 +.000

Seal color may vary.

STYLE 800 PM U-SEALS

Our Style 800 orange Hytrel U-seals offer superior resistance to abrasion, extrusion, and heat. As a drop-in replacement for our standard Style 800 U-seals, they can prolong equipment life under today's increased demands. These seals are suitable for both petroleum-based and water-based fluids.



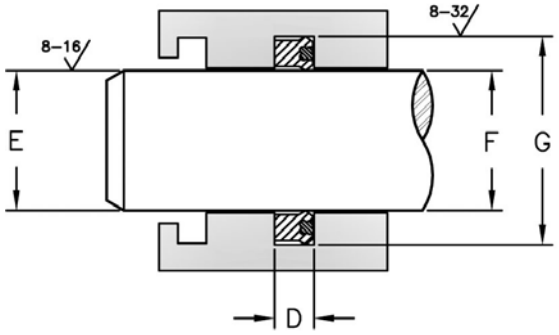


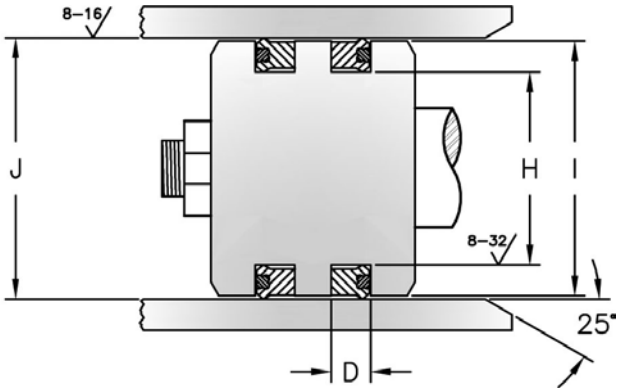
PART NUMBERS

U 12 - 0.25 - 25 BPM

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	55D HYTREL SEAL FKM ENERGIZER
TEMPERATURE RANGE	-65° TO +275° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC







Standard -
Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip
Typical Part Number U25-0.18PM



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number U25-2.00-37DPM



Type SQB -
Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip.
Typical Part Number U25-2.50-SQBPM



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number U25-2.25-37BPM

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
U12-0.25-25BPM	1/4	1/2	1/4	.275 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
U12-0.31-SQBPM	5/16	9/16	1/8	.138 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.562 +.000 -.001	.563 +.002 +.000
U12-0.50-25BPM	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.75-SQBPM	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.75-25BPM	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.87-25BPM	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 PM U-SEALS

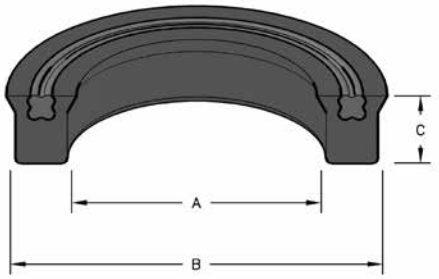
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-1.00-SQBPM	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.12-SQBPM	1-1/8	1-3/8	1/8	.138 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.25-25BPM	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.37-SQBPM	1-3/8	1-5/8	1/8	.138 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.50-SQBPM	1-1/2	1-3/4	1/8	.138 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.50-25BPM	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
3/16" C/S										
U18-0.75-SQBPM	3/4	1-1/8	3/16	.207 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-1.00-SQBPM	1	1-3/8	3/16	.207 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.12-SQBPM	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.37-SQBPM	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-31BPM	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.50-SQBPM	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.62-37BPM	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.75-SQBPM	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-31BPM	1-3/4	2-1/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-37BPM	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.87-SQBPM	1-7/8	2-1/4	3/16	.207 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-1.87-37BPM	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
U18-2.00-SQBPM	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-37BPM	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.25-SQBPM	2-1/4	2-5/8	3/16	.207 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
U18-3.12-SQBPM	3-1/8	3-1/2	3/16	.207 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
1/4" C/S										
U25-1.00-37BPM	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.18PM	1-3/16	1-11/16	1/4	.275 +.015 +.000	1.187 +.000 -.002	1.188 +.003 +.000	1.688 +.003 +.000	1.187 +.000 -.003	1.687 +.000 -.002	1.688 +.003 +.000
U25-1.50-SQBPM	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-2.12-37BPM	2-1/8	2-5/8	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.003 +.000	2.625 +.003 +.000	2.125 +.000 -.003	2.624 +.000 -.002	2.625 +.003 +.000
U25-2.25PM	2-1/4	2-3/4	1/4	.275 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.37-37BPM	2-3/8	2-7/8	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000
U25-2.50-SQBPM	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50PM	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-3.00-SQBPM	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000

STYLE 800 PM U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-3.25-37BPM	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.50PM	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-5.00PM	5	5-1/2	1/4	.275 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.50PM	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
5/16" C/S										
U31-1.50-37BPM	1-1/2	2-1/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-2.50-50BPM	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
U31-3.00-50BPM	3	3-5/8	1/2	.550 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
3/8" C/S										
U37-2.50-50BPM	2-1/2	3-1/4	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
U37-2.75PM	2-3/4	3-1/2	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
U37-3.25PM	3-1/4	4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
U37-3.50-62BPM	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
U37-4.00-62BPM	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.25-50DPM	4-1/4	5	1/2	.550 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.50-62BPM	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
U37-5.00-62BPM	5	5-3/4	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
U37-5.25-62BPM	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.50-62BPM	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
U37-6.25PM	6-1/4	7	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.25-62BPM	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-7.25PM	7-1/4	8	3/8	.413 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000

STYLE 800 HIGH TEMPERATURE POLYURETHANE U-SEALS

Style 800 U-seals are molded from tough, abrasion-resistant polyurethane. The four lobed expander ring energizes the sealing lips, even at zero pressure, to help prevent "weeping" when the system is idle.



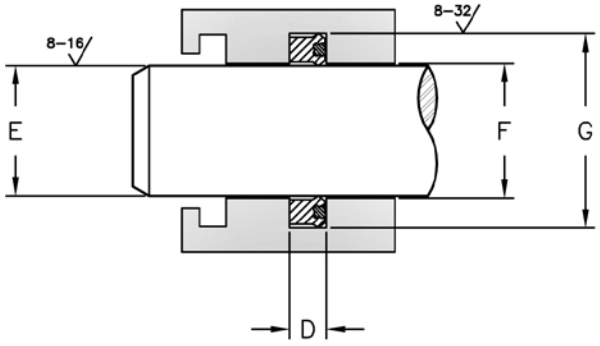


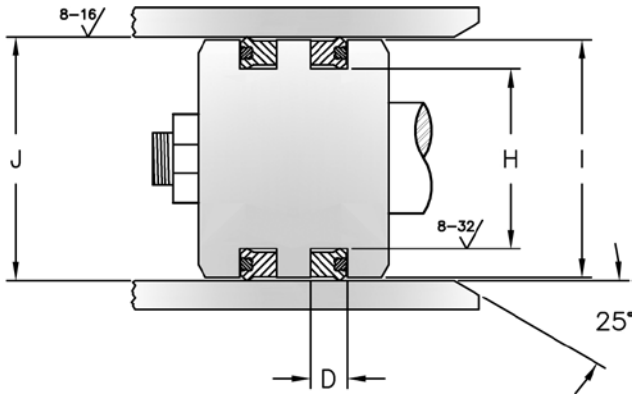
PART NUMBERS

U 12 - 1.00 - 25 BHT

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-40° TO +250° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC







Standard -
Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip
Typical Part Number
U12-1.00BHT



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number
U12-1.00-25DBHT



Type SQB -
Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip.
Typical Part Number
U12-1.00-SQBHT



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number
U12-1.00-25BHT

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
U12-1.00-SQBHT	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-25BHT	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.12-25BHT	1-1/8	1-3/8	1/4	.275 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U12-1.25-SQBHT	1-1/4	1-1/2	1/8	.138 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-25BHT	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
3/16" C/S										
U18-0.87-31BHT	7/8	1-1/4	5/16	.344 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U18-1.00-31BHT	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
U18-1.12-SQBHT	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000

STYLE 800 HIGH TEMPERATURE POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-1.25-SQBHT	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U18-1.25-31BHT	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U18-1.31-31BHT	1-5/16	1-11/16	5/16	.344 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
U18-1.50-37BHT	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.001	1.875 +.002 +.000
U18-1.62-37BHT	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U18-1.75-37BHT	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.001	2.125 +.002 +.000
U18-1.87-37BHT	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
1/4" C/S										
U25-1.25-SQBHT	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.25-37BHT	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.50-37BHT	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.75-37BHT	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-2.00-SQBHT	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-37BHT	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.25-37BHT	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.001	2.750 +.003 +.000
U25-2.50-37BHT	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.62-37BHT	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
U25-3.00-SQBHT	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.00-37BHT	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.25-37BHT	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.50-37BHT	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-4.00-37BHT	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000

Seal color may vary.

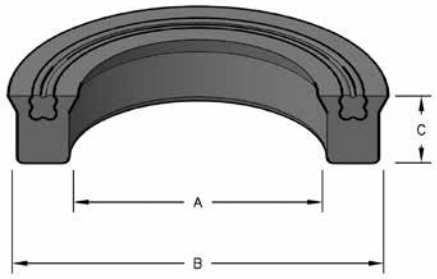
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 FLUOROCARBON U-SEALS

Utilizing the same profiles as the Style 800 Polyurethane U-Seal line, these u-seals are molded from a fluorocarbon compound. While being compatible with a broader range of fluids, these fluorocarbon seals will also operate continuously at temperatures from -20° to +400° F. **NOTE:** If you are not sure of fluid/seal compatibility, please refer to the fluid compatibility chart in the appendix or contact our Engineering Department.





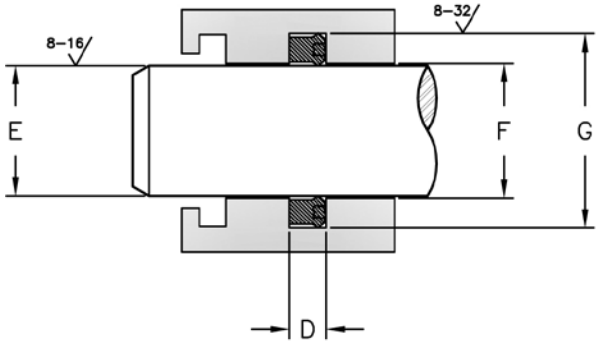
PART NUMBERS

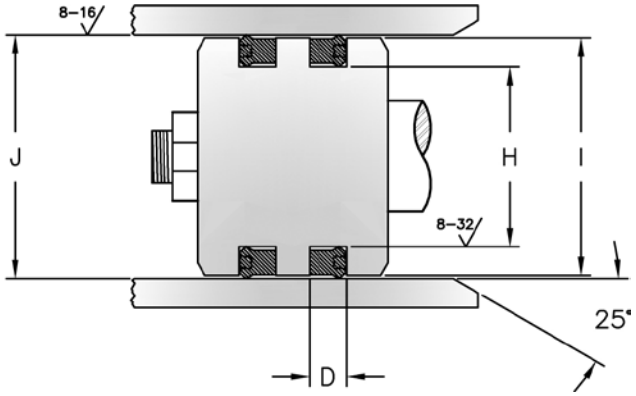
U 12 - 0.50 - 25BV

Type of Seal | Cross Section | Inside Diameter | Height

V= FLUOROCARBON
D= DEEP
B= B-LIP

SEAL INFORMATION	
MATERIAL	95A FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	0 TO 2,000 PSI
SPEED	3 FT/SEC







Standard -
Height and cross section are equal, thus giving a square seal.
Utilizes type "D" lip
Typical Part Number
U12-0.25V



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number
U12-1.37-25DV



Type SQB -
Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip.
Typical Part Number
U12-0.25-SQBV



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number
U12-0.50-25BV

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
U12-0.25V	1/4	1/2	1/8	.138 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
U12-0.31V	5/16	9/16	1/8	.138 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.562 +.000 -.001	.563 +.002 +.000
U12-0.37V	3/8	5/8	1/8	.138 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
U12-0.50V	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.50-25BV	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
U12-0.62V	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.62-25BV	5/8	7/8	1/4	.275 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
U12-0.75V	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000

STYLE 800 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U12-0.75-25BV	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
U12-0.87V	7/8	1-1/8	1/8	.138 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
U12-1.00V	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.00-25BV	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
U12-1.25V	1-1/4	1-1/2	1/8	.138 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.25-25BV	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U12-1.37V	1-3/8	1-5/8	1/8	.138 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.37-25DV	1-3/8	1-5/8	1/4	.275 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
U12-1.50V	1-1/2	1-3/4	1/8	.138 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.50-25BV	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
U12-1.75V	1-3/4	2	1/8	.138 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
U12-2.00V	2	2-1/4	1/8	.138 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
5/32" C/S										
U15-1.00V	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
U15-1.18V	1-3/16	1-1/2	5/32	.172 +.015 +.000	1.187 +.000 -.002	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
U15-1.37V	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
3/16" C/S										
U18-0.50-31BV	1/2	7/8	5/16	.344 +.015 +.000	.500 +.000 -.002	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.002	.874 +.000 -.002	.875 +.002 +.000
U18-0.62V	5/8	1	3/16	.207 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
U18-0.62-31BV	5/8	1	5/16	.344 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
U18-0.75-31BV	3/4	1-1/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
U18-1.00V	1	1-3/8	3/16	.207 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.00-31BV	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
U18-1.12V	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-31BV	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.12-37BV	1-1/8	1-1/2	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
U18-1.25V	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.25-31BV	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
U18-1.37V	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-25BV	1-3/8	1-3/4	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.37-31BV	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
U18-1.50V	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.50-25BV	1-1/2	1-7/8	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U18-1.50-37BV	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
U18-1.62V	1-5/8	2	3/16	.207 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.62-37BV	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
U18-1.75V	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-31BV	1-3/4	2-1/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-1.75-37BV	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
U18-2.00V	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.00-37BV	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
U18-2.12V	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.12-37BV	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
U18-2.25V	2-1/4	2-5/8	3/16	.207 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
U18-2.50V	2-1/2	2-7/8	3/16	.207 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-25DV	2-1/2	2-7/8	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.50-37BV	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
U18-2.62V	2-5/8	3	3/16	.207 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.62-37BV	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
U18-2.75V	2-3/4	3-1/8	3/16	.207 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
* U18-2.87V	2-7/8	3-1/4	3/16	.207 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
U18-3.00V	3	3-3/8	3/16	.207 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.00-37BV	3	3-3/8	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
U18-3.25-37BV	3-1/4	3-5/8	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.002 +.000	3.625 +.002 +.000	3.250 +.000 -.002	3.624 +.000 -.002	3.625 +.002 +.000
U18-3.50-37BV	3-1/2	3-7/8	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
U18-3.62V	3-5/8	4	3/16	.207 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
7/32" C/S										
U21-2.81V	2-13/16	3-1/4	7/32	.241 +.015 +.000	2.812 +.000 -.002	2.813 +.002 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
1/4" C/S										
U25-0.62V	5/8	1-1/8	1/4	.275 +.015 +.000	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.124 +.000 -.002	1.125 +.003 +.000
U25-0.75-37BV	3/4	1-1/4	3/8	.413 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
U25-0.87-37BV	7/8	1-3/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.374 +.000 -.002	1.375 +.003 +.000
U25-1.00V	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.00-37BV	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
U25-1.12V	1-1/8	1-5/8	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
U25-1.12-37BV	1-1/8	1-5/8	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000

* Closeout item. This item will no longer be available once stock has been depleted.

STYLE 800 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-1.25V	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.25-37BV	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
U25-1.37V	1-3/8	1-7/8	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
U25-1.37-37BV	1-3/8	1-7/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
U25-1.50V	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.50-37BV	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
U25-1.75V	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-1.75-37BV	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
U25-2.00V	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-37BV	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.00-37DV	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
U25-2.25V	2-1/4	2-3/4	1/4	.275 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.25-37BV	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
U25-2.50V	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-37BV	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.50-37DV	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
U25-2.62-37BV	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
U25-2.75V	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-2.75-37BV	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
U25-3.00V	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.00-37BV	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
U25-3.25V	3-1/4	3-3/4	1/4	.275 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.25-37BV	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
U25-3.50V	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-37BV	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-3.50-37DV	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
U25-4.00V	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-37BV	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.00-56BV	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
U25-4.25-56BV	4-1/4	4-3/4	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
U25-4.50V	4-1/2	5	1/4	.275 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
U25-4.75-56BV	4-3/4	5-1/4	9/16	.619 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
U25-5.00V	5	5-1/2	1/4	.275 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 800 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U25-5.00-37BV	5	5-1/2	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.00-56BV	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
U25-5.50V	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
9/32" C/S										
U28-5.43V	5-7/16	6	9/32	.310 +.015 +.000	5.437 +.000 -.002	5.439 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
5/16" C/S										
U31-1.00V	1	1-5/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.002 +.003 +.000	1.625 +.004 +.000	1.000 +.000 -.004	1.623 +.000 -.002	1.625 +.003 +.000
U31-1.25V	1-1/4	1-7/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
U31-1.37V	1-3/8	2	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.37-50BV	1-3/8	2	1/2	.550 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
U31-1.50V	1-1/2	2-1/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
U31-1.75V	1-3/4	2-3/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-1.75-50BV	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
U31-2.00V	2	2-5/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
U31-2.00-50BV	2	2-5/8	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
U31-2.25V	2-1/4	2-7/8	5/16	.344 +.015 +.000	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.002	2.875 +.003 +.000
U31-2.37V	2-3/8	3	5/16	.344 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
U31-2.37-50BV	2-3/8	3	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
U31-2.50V	2-1/2	3-1/8	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
U31-2.75V	2-3/4	3-3/8	5/16	.344 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
U31-2.75-50BV	2-3/4	3-3/8	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
U31-3.00V	3	3-5/8	5/16	.344 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
U31-3.25V	3-1/4	3-7/8	5/16	.344 +.015 +.000	3.250 +.000 -.002	3.252 +.003 +.000	3.875 +.004 +.000	3.250 +.000 -.004	3.873 +.000 -.002	3.875 +.003 +.000
U31-3.50V	3-1/2	4-1/8	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000
U31-3.62V	3-5/8	4-1/4	5/16	.344 +.015 +.000	3.625 +.000 -.002	3.626 +.003 +.000	4.250 +.004 +.000	3.625 +.000 -.004	4.249 +.000 -.002	4.250 +.003 +.000
U31-4.00V	4	4-5/8	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.002 +.003 +.000	4.625 +.004 +.000	4.000 +.000 -.004	4.623 +.000 -.002	4.625 +.003 +.000
U31-4.37V	4-3/8	5	5/16	.344 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
U31-4.37-50DV	4-3/8	5	1/2	.550 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
U31-5.37V	5-3/8	6	5/16	.344 +.015 +.000	5.375 +.000 -.002	5.377 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.002	6.000 +.003 +.000
U31-6.37V	6-3/8	7	5/16	.344 +.015 +.000	6.375 +.000 -.002	6.377 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.002	7.000 +.003 +.000
U31-7.37V	7-3/8	8	5/16	.344 +.015 +.000	7.375 +.000 -.002	7.377 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.002	8.000 +.003 +.000
3/8" C/S										
U37-1.75-62BV	1-3/4	2-1/2	5/8	.688 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000
U37-2.75-62BV	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000

STYLE 800 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
U37-3.00-62BV	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
U37-3.25V	3-1/4	4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
U37-3.50-62BV	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
U37-3.75-62BV	3-3/4	4-1/2	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
U37-4.00-62BV	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
U37-4.25V	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.25-62DV	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
U37-4.50-62BV	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
U37-4.75-62BV	4-3/4	5-1/2	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
U37-5.00V	5	5-3/4	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
U37-5.00-62BV	5	5-3/4	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
U37-5.25V	5-1/4	6	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.25-62DV	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
U37-5.50V	5-1/2	6-1/4	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
U37-5.50-62BV	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
U37-6.00-62BV	6	6-3/4	5/8	.688 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000
U37-6.25V	6-1/4	7	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.25-50DV	6-1/4	7	1/2	.550 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.25-62BV	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
U37-6.50V	6-1/2	7-1/4	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
U37-7.25V	7-1/4	8	3/8	.413 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-7.25-62DV	7-1/4	8	5/8	.688 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
U37-9.25V	9-1/4	10	3/8	.413 +.015 +.000	9.250 +.000 -.002	9.252 +.004 +.000	10.000 +.005 +.000	9.250 +.000 -.005	9.998 +.000 -.002	10.000 +.004 +.000
1/2" C/S										
U50-4.00V	4	5	1/2	.550 +.015 +.000	4.000 +.000 -.003	4.002 +.004 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.002	5.000 +.005 +.000
U50-5.00V	5	6	1/2	.550 +.015 +.000	5.000 +.000 -.003	5.002 +.004 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.002	6.000 +.005 +.000
U50-6.00V	6	7	1/2	.550 +.015 +.000	6.000 +.000 -.003	6.002 +.004 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.002	7.000 +.005 +.000
U50-6.00-75DV	6	7	3/4	.825 +.015 +.000	6.000 +.000 -.003	6.002 +.004 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.002	7.000 +.005 +.000
U50-7.00V	7	8	1/2	.550 +.015 +.000	7.000 +.000 -.003	7.002 +.004 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.002	8.000 +.005 +.000
U50-8.00V	8	9	1/2	.550 +.015 +.000	8.000 +.000 -.003	8.002 +.004 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.002	9.000 +.005 +.000
U50-9.00V	9	10	1/2	.550 +.015 +.000	9.000 +.000 -.003	9.002 +.004 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.002	10.000 +.005 +.000

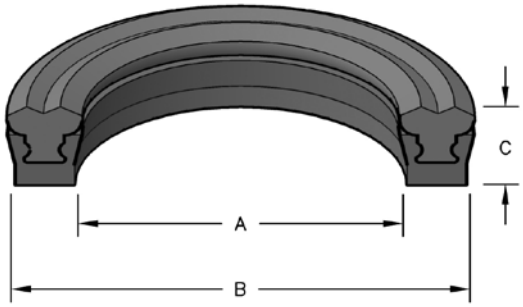
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Z-SEALS

The Z-Seal™ is a squeeze type seal, combining the excellent sealability and low compression set of a resilient rubber lip with the greater anti-extrusion characteristics of a hard thermoplastic base. Under low pressure conditions, the sealing lip provides its own compressive seal force. As pressure increases, hydrostatic pressure is mechanically transmitted through the elastomeric seal element into the anti-extrusion base. The applied force then deflects radially in a controlled manner, closing the extrusion gap behind the sealing lip. Under this condition, maximum sealing effectiveness is achieved.





PART NUMBERS

U 12 - 0.18 - 25DZ

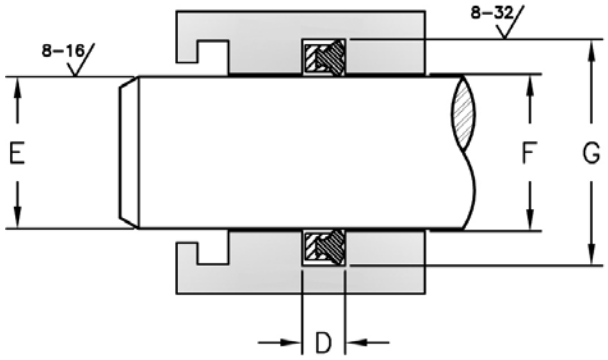
Type of Seal | Cross Section | Inside Diameter | Height

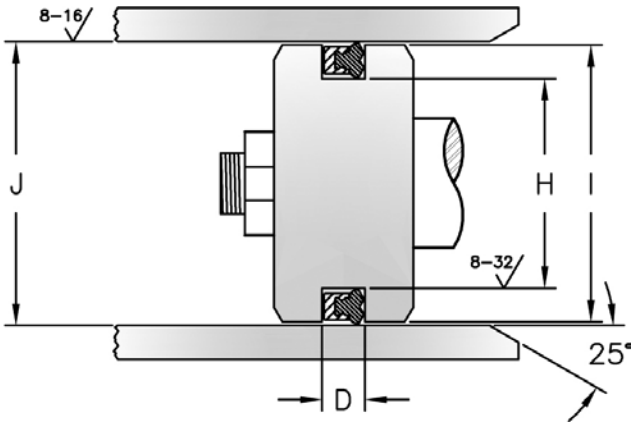
SEAL INFORMATION	
MATERIAL	95A URETHANE 70A NITRILE RUBBER
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

ZF = FLUOROTREL (-40° TO +235° F)

ZL = LOW TEMPERATURE NITRILE SEALING LIP (-65° TO +200° F)

ZLF = (-65° TO +200° F)





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
1/8" C/S											
U12-0.18-25DZ	3/16	7/16	1/4	.275 +.015 +.000	.187 +.000 -.001	.188 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.437 +.000 -.001	.438 +.002 +.000	.198 +.060 -.008
U12-0.50-25DZ	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000	.198 +.060 -.008
U12-0.75-18DZL	3/4	1	3/16	.207 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000	.187 ±.008
U12-0.75-25DZL	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000	.198 +.060 -.008
U12-0.87-25DZL	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000	.198 +.060 -.008
U12-0.87-25Z	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000	.250 ±.008
U12-1.00-25DZ	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000	.198 +.060 -.008
U12-1.00-25DZLF	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000	.198 +.060 -.008
U12-1.12-25DZ	1-1/8	1-3/8	1/4	.275 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000	.198 +.060 -.008
U12-1.25-25DZ	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000	.198 +.060 -.008

Z-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
5/32" C/S											
U15-1.50-31DZ	1-1/2	1-13/16	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.813 +.002 +.000	1.500 +.000 -.002	1.812 +.000 -.001	1.813 +.002 +.000	.312 ±.012
3/16" C/S											
U18-1.00-31DZL	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000	.288 +.036 -.012
U18-1.00-31Z	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000	.312 ±.012
U18-1.12-31DZ	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000	.288 +.036 -.012
U18-1.12-31Z	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000	.312 ±.012
U18-1.18-31DZL	1-3/16	1-9/16	5/16	.344 +.015 +.000	1.187 +.000 -.002	1.188 +.002 +.000	1.563 +.002 +.000	1.187 +.000 -.002	1.562 +.000 -.002	1.563 +.002 +.000	.288 +.036 -.012
U18-1.25-31DZ	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000	.288 +.036 -.012
U18-1.25-31DZR	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	N/A	N/A	N/A	.288 +.036 -.012
U18-1.25-31Z	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000	.312 ±.012
U18-1.25-37DZLF	1-1/4	1-5/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000	.352 +.035 -.012
U18-1.25-37Z	1-1/4	1-5/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000	.375 ±.012
U18-1.37-31DZ	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000	.288 +.036 -.012
U18-1.37-31DZLF	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000	.288 +.036 -.012
U18-1.50-31DZ	1-1/2	1-7/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000	.288 +.036 -.012
U18-1.50-37DZ	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000	.352 +.035 -.012
U18-1.50-37Z	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000	.375 ±.012
U18-1.62-31DZL	1-5/8	2	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000	.288 +.036 -.012
U18-1.62-37Z	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000	.375 ±.012
U18-1.75-25Z	1-3/4	2-1/8	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000	.250 ±.008
U18-1.75-37DZ	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000	.352 +.035 -.012
U18-1.75-37DZLF	1-3/4	2-1/8	3/8	.413 +.010 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000	.352 +.035 -.012
U18-1.75-37Z	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000	.375 ±.012
U18-1.87-37Z	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000	.375 ±.012
U18-2.00-25Z	2	2-3/8	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000	.250 ±.008
U18-2.00-31DZL	2	2-3/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000	.288 +.036 -.012
U18-2.00-37DZL	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000	.352 +.035 -.012
U18-2.00-37Z	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000	.375 ±.012
U18-2.25-37DZ	2-1/4	2-5/8	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000	.352 +.035 -.012
U18-2.25-37DZF	2-1/4	2-5/8	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000	.352 +.035 -.012
U18-2.37-31DZL	2-3/8	2-3/4	5/16	.344 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000	.288 +.036 -.012
U18-2.50-37Z	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000	.375 ±.012

Z-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
U18-2.75-31DZL	2-3/4	3-1/8	5/16	.344 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000	.288 +.036 -.012
U18-3.00-37Z	3	3-3/8	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000	.375 ±.012
U18-3.50-37Z	3-1/2	3-7/8	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000	.375 ±.012
U18-4.00-37ZF	4	4-3/8	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000	.375 ±.012
1/4" C/S											
U25-0.37-37DZ	3/8	7/8	3/8	.413 +.015 +.000	.375 +.000 -.002	.376 +.003 +.000	.875 +.003 +.000	.375 +.000 -.003	.874 +.000 -.002	.875 +.003 +.000	.383 +.012 -.020
U25-1.00-37DZL	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000	.383 +.012 -.020
U25-1.00-37Z	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000	.375 ±.012
U25-1.00-56DZ	1	1-1/2	9/16	.619 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000	.510 +.068 -.016
U25-1.25-37DZL	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000	.383 +.012 -.020
U25-1.25-37Z	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000	.375 ±.012
U25-1.50-37DZ	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000	.383 +.012 -.020
U25-1.50-37DZR	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-1.50-37Z	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000	.375 ±.012
U25-1.50-37ZF	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000	.375 ±.012
U25-1.75-31ZF	1-3/4	2-1/4	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000	.312 ±.012
U25-1.75-37DZ	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000	.383 +.012 -.020
U25-1.75-37DZF	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000	.383 +.012 -.020
U25-1.75-37Z	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000	.375 ±.012
U25-1.75-37ZF	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000	.375 ±.012
U25-2.00-37DZ	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000	.383 +.012 -.020
U25-2.00-37DZF	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000	.383 +.012 -.020
U25-2.00-37DZL	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.503 -.003	2.499 +.000 -.002	2.500 +.003 +.000	.383 +.012 -.020
U25-2.00-37DZR	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-2.00-37Z	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000	.375 ±.012
U25-2.25-37DZ	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000	.383 +.012 -.020
U25-2.25-37DZLF	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000	.383 +.012 -.020
U25-2.25-37Z	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000	.375 ±.012
U25-2.37-37Z	2-3/8	2-7/8	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000	.375 ±.012
U25-2.50-37DZ	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000	.383 +.012 -.020
U25-2.50-37DZF	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000	.383 +.012 -.020
U25-2.50-37DZR	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-2.50-37Z	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000	.375 ±.012

Z-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
U25-2.50-37ZF	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000	.375 ±.012
U25-2.62-37DZ	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000	.383 +.012 -.020
U25-2.62-37Z	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000	.375 ±.012
U25-2.75-37DZ	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000	.383 +.012 -.020
U25-2.75-37DZLF	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000	.383 +.012 -.020
U25-2.75-37DZR	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-2.75-37Z	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000	.375 ±.012
U25-3.00-37DZ	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000	.383 +.012 -.020
U25-3.00-37DZF	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000	.383 +.012 -.020
U25-3.00-37DZR	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-3.00-37Z	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000	.375 ±.012
U25-3.25-37Z	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000	.375 ±.012
U25-3.37-37DZL	3-3/8	3-7/8	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.376 +.003 +.000	3.875 +.003 +.000	3.375 +.000 -.003	3.874 +.000 -.002	3.875 +.003 +.000	.383 +.012 -.020
U25-3.50-37DZ	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000	.383 +.012 -.020
U25-3.50-37DZF	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000	.383 +.012 -.020
U25-3.50-37DZR	3-1/2	4	3/8	.413 +.010 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-3.50-37Z	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000	.375 ±.012
U25-3.75-37DZL	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000	.383 +.012 -.020
U25-3.75-37Z	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000	.375 ±.012
U25-3.75-56DZ	3-3/4	4-1/4	9/16	.619 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000	.510 +.068 -.016
U25-3.87-37DZL	3-7/8	4-3/8	3/8	.413 +.015 +.000	3.875 +.000 -.002	3.876 +.003 +.000	4.375 +.003 +.000	3.875 +.000 -.003	4.374 +.000 -.002	4.375 +.003 +.000	.383 +.012 -.020
U25-4.00-37DZLF	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000	.383 +.012 -.020
U25-4.00-37Z	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000	.375 ±.012
U25-4.00-56DZR	4	4-1/2	.562	.618 +.010 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	N/A	N/A	N/A	.510 +.068 -.016
U25-4.50-37DZR	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	N/A	N/A	N/A	.383 +.012 -.020
U25-4.50-37Z	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000	.375 ±.012
U25-4.50-56DZ	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000	.510 +.068 -.016
U25-5.00-56Z	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000	.562 ±.016
U25-5.25-56DZ	5-1/4	5-3/4	9/16	.619 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000	.510 +.068 -.016
U25-5.50-37Z	5-1/2	6	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000	.375 ±.012
U25-5.50-56ZF	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000	.562 ±.016
U25-6.50-37DZ	6-1/2	7	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000	.383 +.012 -.020

5/16" C/S

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Z-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
U31-1.37-50Z	1-3/8	2	1/2	.550 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000	.500 ±.012
U31-1.87-50Z	1-7/8	2-1/2	1/2	.550 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000	.500 ±.012
U31-2.50-50DZL	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000	.481 +.031 -.012
U31-3.00-50DZLF	3	3-5/8	1/2	.550 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000	.481 +.031 -.012
U31-3.50-50DZ	3-1/2	4-1/8	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000	.481 +.031 -.012
U31-4.50-62DZLF	4-1/2	5-1/8	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	4.500 +.000 -.004	5.123 +.000 -.002	5.125 +.003 +.000	.625 ±.016
U31-4.50-62DZRF	4-1/2	5-1/8	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	N/A	N/A	N/A	.625 +.016 -.018
U31-4.50-62Z	4-1/2	5-1/8	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.003 +.000	5.125 +.004 +.000	4.500 +.000 -.004	5.123 +.000 -.002	5.125 +.003 +.000	.625 ±.016
U31-7.00-62DZ	7	7-5/8	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.003 +.000	7.625 +.004 +.000	7.000 +.000 -.004	7.623 +.000 -.002	7.625 +.003 +.000	.559 ±.016
U31-7.00-62DZR	7	7-5/8	5/8	.688 +.100 +.000	7.000 +.000 -.002	7.002 +.003 +.000	7.625 +.004 +.000	N/A	N/A	N/A	.577 +.064 -.016
U31-10.50-62DZ	10-1/2	11-1/8	5/8	.688 +.015 +.000	10.500 +.000 -.002	10.502 +.003 +.000	11.125 +.004 +.000	10.500 +.000 -.004	11.123 +.000 -.002	11.125 +.003 +.000	.559 ±.016
U31-10.50-62DZR	10-1/2	11-1/8	5/8	.688 +.010 +.000	10.500 +.000 -.002	10.502 +.003 +.000	11.125 +.004 +.000	N/A	N/A	N/A	.577 +.064 -.016
U31-13.00-62DZR	13	13-5/8	5/8	.688 +.015 +.000	13.000 +.000 -.002	13.002 +.003 +.000	13.625 +.004 +.000	N/A	N/A	N/A	.559 ±.016
3/8" C/S											
U37-1.75-62Z	1-3/4	2-1/2	5/8	.688 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000	.625 ±.016
U37-2.25-62Z	2-1/4	3	5/8	.688 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000	.625 ±.016
U37-2.50-62DZ	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000	.577 +.064 -.016
U37-2.50-62Z	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000	.625 ±.016
U37-2.62-62Z	2-5/8	3-3/8	5/8	.688 +.015 +.000	2.625 +.000 -.002	2.627 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.373 +.000 -.002	3.375 +.004 +.000	.625 ±.016
U37-2.75-62Z	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000	.625 ±.016
U37-3.00-62Z	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000	.625 ±.016
U37-3.25-62Z	3-1/4	4	5/8	.688 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000	.625 ±.016
U37-3.50-62DZ	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000	.577 +.064 -.016
U37-3.62-62Z	3-5/8	4-3/8	5/8	.688 +.015 +.000	3.625 +.000 -.002	3.627 +.004 +.000	4.375 +.005 +.000	3.625 +.000 -.005	4.373 +.000 -.002	4.375 +.004 +.000	.625 ±.016
U37-3.75-62Z	3-3/4	4-1/2	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000	.625 ±.016
U37-4.00-62DZ	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 -.750	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000	.577 +.064 -.016
U37-4.00-62Z	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000	.625 ±.016
U37-4.25-62Z	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000	.625 ±.016
U37-4.37-50Z	4-3/8	5-1/8	1/2	.550 +.015 +.000	4.375 +.000 -.002	4.377 +.004 +.000	5.125 +.005 +.000	4.375 +.000 -.005	5.123 +.000 -.002	5.125 +.004 +.000	.500 ±.012
U37-4.50-62DZ	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000	.577 +.064 -.016
U37-4.50-62DZR	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	N/A	N/A	N/A	.577 +.064 -.016
U37-4.50-62Z	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000	.625 ±.016
U37-4.75-62Z	4-3/4	5-1/2	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000	.625 ±.016

Z-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
U37-5.25-62DZR	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	N/A	N/A	N/A	.577 +.064 -.016
U37-5.25-62Z	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000	.625 ±.016
U37-5.50-62Z	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000	.625 ±.016
U37-5.75-62Z	5-3/4	6-1/2	5/8	.688 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000	.625 ±.016
U37-6.00-56Z	6	6-3/4	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000	.562 ±.016
U37-6.00-62Z	6	6-3/4	5/8	.688 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000	.625 ±.016
U37-6.25-50Z	6-1/4	7	1/2	.550 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 -.002 +.000	7.000 +.004 +.000	.500 ±.016
U37-6.25-62Z	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000	.625 ±.016
U37-7.00-62DZ	7	7-3/4	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	7.000 +.000 -.005	7.748 +.000 -.002	7.750 +.004 +.000	.577 +.064 -.016
U37-7.00-62DZR	7	7-3/4	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	N/A	N/A	N/A	.577 +.064 -.016
U37-7.00-62DZRF	7	7-3/4	5/8	.688 +.010 +.000	7.000 +.000 -.002	7.002 +.005 +.000	7.750 +.005 +.000	N/A	N/A	N/A	.577 +.064 -.016
U37-8.00-62DZRF	8	8-3/4	5/8	.688 +.015 +.000	8.000 +.000 -.002	8.002 +.004 +.000	8.750 +.005 +.000	N/A	N/A	N/A	.577 +.064 -.016
1/2" C/S											
U50-8.00-75DZ	8	9	3/4	.825 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000	.768 +.022 -.040
U50-12.00-75DZR	12	13	3/4	.825 +.015 +.000	12.000 +.000 -.003	12.002 +.005 +.000	13.000 +.007 +.000	N/A	N/A	N/A	.768 +.022 -.040
U50-14.00-75DZR	14	15	3/4	.825 +.015 +.000	14.000 +.000 -.003	14.002 +.005 +.000	15.000 +.007 +.000	N/A	N/A	N/A	.768 +.022 -.040
U50-15.75-75DZR	15-3/4	16-3/4	3/4	.825 +.010 +.000	15.750 +.000 -.003	15.752 +.005 +.000	16.750 +.007 +.000	N/A	N/A	N/A	.768 +.022 -.040

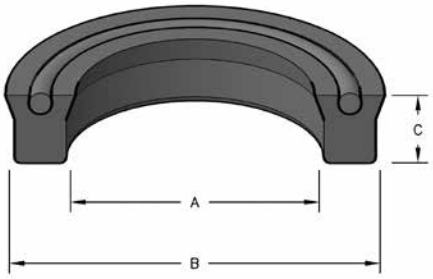
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Style 850 u-seals offer excellent resistance to extrusion and abrasion. The round cross-section expander offers energized sealing from zero to 5,000 psi.





PART NUMBERS

P 125 - 00.125 - 250B

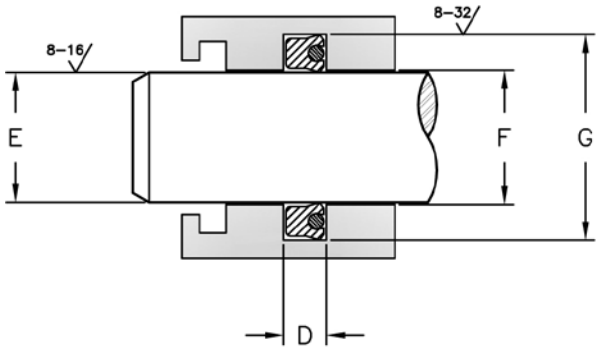
Type of Seal | Cross Section | Inside Diameter | Height

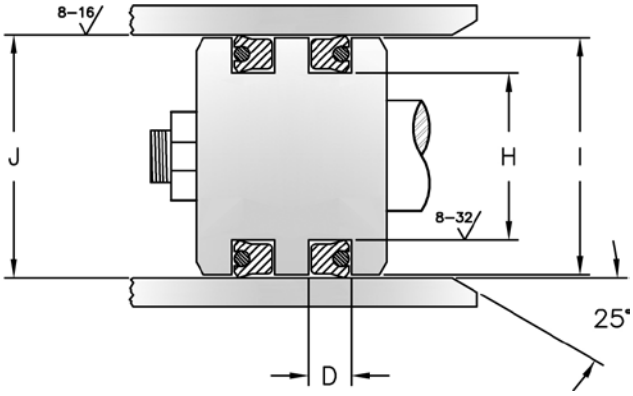
SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

BFM = 58D DUROMETER FLUOROTREL -65° TO +275° F

BHN = 85A DUROMETER HYDROGENATED NITRILE -50° to +320° F

BPM = 58D DUROMETER POLYMYTE -65° to +275° F / -65° to +180° F IN WATER BASED FLUIDS







Standard -
Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip
Typical Part Number
P250-02.500



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number
P250-02.500-37D



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number
P250-02.500-375B

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
P125-00.062	1/16	5/16	1/8	.138 +.015 +.000	.062 +.000 -.001	.063 +.002 +.000	.313 +.002 +.000	.062 +.000 -.002	.311 +.000 -.001	.313 +.002 +.000
P125-00.125-250B	1/8	3/8	1/4	.275 +.015 +.000	.125 +.000 -.001	.126 +.002 +.000	.375 +.002 +.000	.125 +.000 -.002	.374 +.000 -.001	.375 +.002 +.000
P125-00.187-250B	3/16	7/16	1/4	.275 +.015 +.000	.187 +.000 -.001	.188 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.436 +.000 -.001	.438 +.002 +.000
P125-00.250	1/4	1/2	1/8	.138 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
P125-00.250-250B	1/4	1/2	1/4	.275 +.015 +.000	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.499 +.000 -.001	.500 +.002 +.000
P125-00.312-250B	5/16	9/16	1/4	.275 +.015 +.000	.312 +.000 -.001	.313 +.002 +.000	.563 +.002 +.000	.312 +.000 -.002	.561 +.000 -.001	.563 +.002 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P125-00.375	3/8	5/8	1/8	.138 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
P125-00.375-187B	3/8	5/8	3/16	.207 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
P125-00.375-250B	3/8	5/8	1/4	.275 +.015 +.000	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.624 +.000 -.001	.625 +.002 +.000
P125-00.500	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
P125-00.500-125B	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
P125-00.500-250B	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
P125-00.500-250D	1/2	3/4	1/4	.275 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
P125-00.562-SQB	9/16	13/16	1/8	.138 +.015 +.000	.562 +.000 -.001	.563 +.002 +.000	.813 +.002 +.000	.562 +.000 -.002	.811 +.000 -.001	.813 +.002 +.000
P125-00.625	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
P125-00.625-187B	5/8	7/8	3/16	.207 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
P125-00.625-250B	5/8	7/8	1/4	.275 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
P125-00.687	11/16	15/16	1/8	.138 +.015 +.000	.687 +.000 -.001	.688 +.002 +.000	.938 +.002 +.000	.687 +.000 -.002	.936 +.000 -.001	.938 +.002 +.000
P125-00.750	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
P125-00.750-125B	3/4	1	1/8	.138 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
P125-00.750-250B	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
P125-00.750-250D	3/4	1	1/4	.275 +.015 +.000	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.999 +.000 -.001	1.000 +.002 +.000
P125-00.812	13/16	1-1/16	1/8	.138 +.015 +.000	.812 +.000 -.001	.813 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.061 +.000 -.001	1.063 +.002 +.000
P125-00.812-250B	13/16	1-1/16	1/4	.275 +.015 +.000	.812 +.000 -.001	.813 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.061 +.000 -.001	1.063 +.002 +.000
P125-00.875	7/8	1-1/8	1/8	.138 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
P125-00.875-250B	7/8	1-1/8	1/4	.275 +.015 +.000	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.124 +.000 -.001	1.125 +.002 +.000
P125-00.937	15/16	1-3/16	1/8	.138 +.015 +.000	.937 +.000 -.001	.938 +.002 +.000	1.188 +.002 +.000	.937 +.000 -.002	1.186 +.000 -.001	1.188 +.002 +.000
P125-01.000	1	1-1/4	1/8	.138 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
P125-01.000-187B	1	1-1/4	3/16	.207 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
P125-01.000-250B	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
P125-01.000-250D	1	1-1/4	1/4	.275 +.015 +.000	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
P125-01.062-250B	1-1/16	1-5/16	1/4	.275 +.015 +.000	1.062 +.000 -.001	1.063 +.002 +.000	1.313 +.002 +.000	1.062 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
P125-01.125	1-1/8	1-3/8	1/8	.138 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
P125-01.125-187B	1-1/8	1-3/8	3/16	.207 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
P125-01.125-250B	1-1/8	1-3/8	1/4	.275 +.015 +.000	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.374 +.000 -.001	1.375 +.002 +.000
P125-01.187	1-3/16	1-7/16	1/8	.138 +.015 +.000	1.187 +.000 -.001	1.188 +.002 +.000	1.438 +.002 +.000	1.187 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
P125-01.187-250B	1-3/16	1-7/16	1/4	.275 +.015 +.000	1.187 +.000 -.001	1.188 +.002 +.000	1.438 +.002 +.000	1.187 +.000 -.002	1.436 +.000 -.001	1.438 +.002 +.000
P125-01.250	1-1/4	1-1/2	1/8	.138 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
P125-01.250-187B	1-1/4	1-1/2	3/16	.207 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P125-01.250-250B	1-1/4	1-1/2	1/4	.275 +.015 +.000	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
P125-01.375	1-3/8	1-5/8	1/8	.138 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
P125-01.375-250B	1-3/8	1-5/8	1/4	.275 +.015 +.000	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.624 +.000 -.001	1.625 +.002 +.000
P125-01.500	1-1/2	1-3/4	1/8	.138 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
P125-01.500-250B	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
P125-01.500-250D	1-1/2	1-3/4	1/4	.275 +.015 +.000	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.749 +.000 -.001	1.750 +.002 +.000
P125-01.625	1-5/8	1-7/8	1/8	.138 +.015 +.000	1.625 +.000 -.001	1.626 +.002 +.000	1.875 +.002 +.000	1.625 +.000 -.002	1.874 +.000 -.001	1.875 +.002 +.000
P125-01.750	1-3/4	2	1/8	.138 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
P125-01.750-250D	1-3/4	2	1/4	.275 +.015 +.000	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.999 +.000 -.001	2.000 +.002 +.000
P125-01.875	1-7/8	2-1/8	1/8	.138 +.015 +.000	1.875 +.000 -.001	1.876 +.002 +.000	2.125 +.002 +.000	1.875 +.000 -.002	2.124 +.000 -.001	2.125 +.002 +.000
P125-02.000	2	2-1/4	1/8	.138 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
P125-02.000-250B	2	2-1/4	1/4	.275 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
P125-02.000-250D	2	2-1/4	1/4	.275 +.015 +.000	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.249 +.000 -.001	2.250 +.002 +.000
P125-02.500-250B	2-1/2	2-3/4	1/4	.275 +.015 +.000	2.500 +.000 -.001	2.501 +.002 +.000	2.750 +.002 +.000	2.500 +.000 -.002	2.749 +.000 -.001	2.750 +.002 +.000
P125-02.750-250B	2-3/4	3	1/4	.275 +.015 +.000	2.750 +.000 -.001	2.751 +.002 +.000	3.000 +.002 +.000	2.750 +.000 -.002	2.999 +.000 -.001	3.000 +.002 +.000
P125-03.000	3	3-1/4	1/8	.138 +.015 +.000	3.000 +.000 -.001	3.001 +.002 +.000	3.250 +.002 +.000	3.000 +.000 -.002	3.249 +.000 -.001	3.250 +.002 +.000
P125-03.250	3-1/4	3-1/2	1/8	.138 +.015 +.000	3.250 +.000 -.001	3.251 +.002 +.000	3.500 +.002 +.000	3.250 +.000 -.002	3.499 +.000 -.001	3.500 +.002 +.000
P125-03.500	3-1/2	3-3/4	1/8	.138 +.015 +.000	3.500 +.000 -.001	3.501 +.002 +.000	3.750 +.002 +.000	3.500 +.000 -.002	3.749 +.000 -.001	3.750 +.002 +.000
P125-03.750	3-3/4	4	1/8	.138 +.015 +.000	3.750 +.000 -.001	3.751 +.002 +.000	4.000 +.002 +.000	3.750 +.000 -.002	3.999 +.000 -.001	4.000 +.002 +.000
P125-04.500	4-1/2	4-3/4	1/8	.138 +.015 +.000	4.500 +.000 -.001	4.501 +.002 +.000	4.750 +.002 +.000	4.500 +.000 -.002	4.749 +.000 -.001	4.750 +.002 +.000
P125-04.750	4-3/4	5	1/8	.138 +.015 +.000	4.750 +.000 -.001	4.751 +.002 +.000	5.000 +.002 +.000	4.750 +.000 -.002	4.999 +.000 -.001	5.000 +.002 +.000
5/32" C/S										
P156-01.000	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
P156-01.187	1-3/16	1-1/2	5/32	.172 +.015 +.000	1.187 +.000 -.002	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
P156-01.375	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
3/16" C/S										
P187-00.375	3/8	3/4	3/16	.207 +.015 +.000	.375 +.000 -.002	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.002	.749 +.000 -.002	.750 +.002 +.000
P187-00.500	1/2	7/8	3/16	.207 +.015 +.000	.500 +.000 -.002	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.002	.874 +.000 -.002	.875 +.002 +.000
P187-00.500-312B	1/2	7/8	5/16	.344 +.015 +.000	.500 +.000 -.002	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.002	.874 +.000 -.002	.875 +.002 +.000
P187-00.562	9/16	15/16	3/16	.207 +.015 +.000	.562 +.000 -.002	.563 +.002 +.000	.938 +.002 +.000	.562 +.000 -.002	.936 +.000 -.002	.938 +.002 +.000
P187-00.625-312B	5/8	1	5/16	.344 +.015 +.000	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.999 +.000 -.002	1.000 +.002 +.000
P187-00.750	3/4	1-1/8	3/16	.207 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
P187-00.750-312B	3/4	1-1/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P187-00.750-312D	3/4	1-1/8	5/16	.344 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.124 +.000 -.002	1.125 +.002 +.000
P187-00.875	7/8	1-1/4	3/16	.207 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
P187-00.875-312B	7/8	1-1/4	5/16	.344 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
P187-00.875-375D	7/8	1-1/4	3/8	.413 +.015 +.000	.875 +.000 -.002	.876 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.002	1.249 +.000 -.002	1.250 +.002 +.000
P187-00.937	15/16	1-5/16	3/16	.207 +.015 +.000	.937 +.000 -.002	.938 +.002 +.000	1.313 +.002 +.000	.937 +.000 -.002	1.311 +.000 -.002	1.313 +.002 +.000
P187-00.937-312B	15/16	1-5/16	5/16	.344 +.015 +.000	.937 +.000 -.002	.938 +.002 +.000	1.313 +.002 +.000	.937 +.000 -.002	1.311 +.000 -.002	1.313 +.002 +.000
P187-01.000	1	1-3/8	3/16	.207 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
P187-01.000-287B	1	1-3/8	9/32	.310 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
P187-01.000-312B	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
P187-01.000-312D	1	1-3/8	5/16	.344 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.374 +.000 -.002	1.375 +.002 +.000
P187-01.125	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
P187-01.125-187B	1-1/8	1-1/2	3/16	.207 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
P187-01.125-312B	1-1/8	1-1/2	5/16	.344 +.015 +.000	1.125 +.000 -.002	1.126 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
P187-01.187	1-3/16	1-9/16	3/16	.207 +.015 +.000	1.187 +.000 -.002	1.188 +.002 +.000	1.563 +.002 +.000	1.187 +.000 -.002	1.561 +.000 -.002	1.563 +.002 +.000
P187-01.250	1-1/4	1-5/8	3/16	.207 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
P187-01.250-250B	1-1/4	1-5/8	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
P187-01.250-312B	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
P187-01.250-312D	1-1/4	1-5/8	5/16	.344 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
P187-01.250-375B	1-1/4	1-5/8	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.624 +.000 -.002	1.625 +.002 +.000
P187-01.312	1-5/16	1-11/16	3/16	.207 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.002	1.688 +.002 +.000
P187-01.312-312B	1-5/16	1-11/16	5/16	.344 +.015 +.000	1.312 +.000 -.002	1.313 +.002 +.000	1.688 +.002 +.000	1.312 +.000 -.002	1.686 +.000 -.002	1.688 +.002 +.000
P187-01.375	1-3/8	1-3/4	3/16	.207 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
P187-01.375-312B	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
P187-01.375-312D	1-3/8	1-3/4	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
P187-01.500	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
P187-01.500-187B	1-1/2	1-7/8	3/16	.207 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
P187-01.500-312B	1-1/2	1-7/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
P187-01.500-375B	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
P187-01.500-375BP	1-1/2	1-7/8	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
P187-01.562	1-9/16	1-15/16	3/16	.207 +.015 +.000	1.562 +.000 -.002	1.563 +.002 +.000	1.938 +.002 +.000	1.562 +.000 -.002	1.936 +.000 -.002	1.938 +.002 +.000
P187-01.625	1-5/8	2	3/16	.207 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
P187-01.625-250D	1-5/8	2	1/4	.275 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
P187-01.625-312B	1-5/8	2	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P187-01.625-375B	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
P187-01.625-375D	1-5/8	2	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
P187-01.750	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-01.750-230B	1-3/4	2-1/8	7/32	.241 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-01.750-250D	1-3/4	2-1/8	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-01.750-312B	1-3/4	2-1/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-01.750-375B	1-3/4	2-1/8	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-01.875	1-7/8	2-1/4	3/16	.207 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
P187-01.875-375B	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
P187-01.875-375D	1-7/8	2-1/4	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.249 +.000 -.002	2.250 +.002 +.000
P187-02.000	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.000-230B	2	2-3/8	7/32	.241 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.000-250B	2	2-3/8	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.000-275B	2	2-3/8	9/32	.310 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.000-312B	2	2-3/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.000-375B	2	2-3/8	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000
P187-02.125	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
P187-02.125-187B	2-1/8	2-1/2	3/16	.207 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
P187-02.125-312D	2-1/8	2-1/2	5/16	.344 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
P187-02.125-375B	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
P187-02.125-375D	2-1/8	2-1/2	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.499 +.000 -.002	2.500 +.002 +.000
P187-02.250	2-1/4	2-5/8	3/16	.207 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
P187-02.250-375B	2-1/4	2-5/8	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
P187-02.250-375D	2-1/4	2-5/8	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
P187-02.375	2-3/8	2-3/4	3/16	.207 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
P187-02.375-375B	2-3/8	2-3/4	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
P187-02.500	2-1/2	2-7/8	3/16	.207 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
P187-02.500-250B	2-1/2	2-7/8	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
P187-02.500-375B	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
P187-02.500-375BPM	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
P187-02.500-375D	2-1/2	2-7/8	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
P187-02.625	2-5/8	3	3/16	.207 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
P187-02.625-375B	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P187-02.625-375D	2-5/8	3	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.002 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
P187-02.750	2-3/4	3-1/8	3/16	.207 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
P187-02.750-187B	2-3/4	3-1/8	3/16	.207 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
P187-02.750-375B	2-3/4	3-1/8	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
P187-02.750-375D	2-3/4	3-1/8	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.002 +.000	3.125 +.002 +.000	2.750 +.000 -.002	3.124 +.000 -.002	3.125 +.002 +.000
P187-02.875	2-7/8	3-1/4	3/16	.207 +.015 +.000	2.875 +.000 -.002	2.876 +.002 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.249 +.000 -.002	3.250 +.002 +.000
P187-03.000	3	3-3/8	3/16	.207 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
P187-03.000-375B	3	3-3/8	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.002 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
P187-03.125	3-1/8	3-1/2	3/16	.207 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
P187-03.125-187B	3-1/8	3-1/2	3/16	.207 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
P187-03.125-375B	3-1/8	3-1/2	3/8	.413 +.015 +.000	3.125 +.000 -.002	3.126 +.002 +.000	3.500 +.002 +.000	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
P187-03.250	3-1/4	3-5/8	3/16	.207 +.015 +.000	3.250 +.000 -.002	3.251 +.002 +.000	3.625 +.002 +.000	3.250 +.000 -.002	3.624 +.000 -.002	3.625 +.002 +.000
P187-03.375	3-3/8	3-3/4	3/16	.207 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
P187-03.375-187B	3-3/8	3-3/4	3/16	.207 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
P187-03.375-375B	3-3/8	3-3/4	3/8	.413 +.015 +.000	3.375 +.000 -.002	3.376 +.002 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.749 +.000 -.002	3.750 +.002 +.000
P187-03.500	3-1/2	3-7/8	3/16	.207 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
P187-03.500-375B	3-1/2	3-7/8	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
P187-03.500-375D	3-1/2	3-7/8	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.002 +.000	3.875 +.002 +.000	3.500 +.000 -.002	3.874 +.000 -.002	3.875 +.002 +.000
P187-03.625	3-5/8	4	3/16	.207 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
P187-03.625-375B	3-5/8	4	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
P187-03.625-375D	3-5/8	4	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.626 +.002 +.000	4.000 +.002 +.000	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000
P187-03.750	3-3/4	4-1/8	3/16	.207 +.015 +.000	3.750 +.000 -.002	3.751 +.002 +.000	4.125 +.002 +.000	3.750 +.000 -.002	4.124 +.000 -.002	4.125 +.002 +.000
P187-03.750-375B	3-3/4	4-1/8	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.002 +.000	4.125 +.002 +.000	3.750 +.000 -.002	4.124 +.000 -.002	4.125 +.002 +.000
P187-04.000-375B	4	4-3/8	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000
P187-04.000-375D	4	4-3/8	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.002 +.000	4.375 +.002 +.000	4.000 +.000 -.002	4.374 +.000 -.002	4.375 +.002 +.000
P187-04.125	4-1/8	4-1/2	3/16	.207 +.015 +.000	4.125 +.000 -.002	4.126 +.002 +.000	4.500 +.002 +.000	4.125 +.000 -.002	4.499 +.000 -.002	4.500 +.002 +.000
P187-04.250-375B	4-1/4	4-5/8	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.002 +.000	4.625 +.002 +.000	4.250 +.000 -.002	4.624 +.000 -.002	4.625 +.002 +.000
P187-04.250-375D	4-1/4	4-5/8	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.002 +.000	4.625 +.002 +.000	4.250 +.000 -.002	4.624 +.000 -.002	4.625 +.002 +.000
P187-04.375-375D	4-3/8	4-3/4	3/8	.413 +.015 +.000	4.375 +.000 -.002	4.376 +.002 +.000	4.750 +.002 +.000	4.375 +.000 -.002	4.749 +.000 -.002	4.750 +.002 +.000
P187-04.500	4-1/2	4-7/8	3/16	.207 +.015 +.000	4.500 +.000 -.002	4.501 +.002 +.000	4.875 +.002 +.000	4.500 +.000 -.002	4.874 +.000 -.002	4.875 +.002 +.000
P187-04.750	4-3/4	5-1/8	3/16	.207 +.015 +.000	4.750 +.000 -.002	4.751 +.002 +.000	5.125 +.002 +.000	4.750 +.000 -.002	5.124 +.000 -.002	5.125 +.002 +.000
P187-05.500-375B	5-1/2	5-7/8	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.002 +.000	5.875 +.002 +.000	5.500 +.000 -.002	5.874 +.000 -.002	5.875 +.002 +.000
P187-05.875	5-7/8	6-1/4	3/16	.207 +.015 +.000	5.875 +.000 -.002	5.876 +.002 +.000	6.250 +.002 +.000	5.875 +.000 -.002	6.249 +.000 -.002	6.250 +.002 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
7/32" C/S										
P218-02.500	2-1/2	2-15/16	7/32	.241 +.015 +.000	2.500 +.000 -.002	2.501 +.002 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.936 +.000 -.002	2.938 +.002 +.000
P218-02.562	2-9/16	3	7/32	.241 +.015 +.000	2.562 +.000 -.002	2.563 +.002 +.000	3.000 +.002 +.000	2.562 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
1/4" C/S										
P250-00.500	1/2	1	1/4	.275 +.015 +.000	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.999 +.000 -.002	1.000 +.003 +.000
P250-00.500-375B	1/2	1	3/8	.413 +.015 +.000	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.999 +.000 -.002	1.000 +.003 +.000
P250-00.500-375D	1/2	1	3/8	.413 +.015 +.000	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.999 +.000 -.002	1.000 +.003 +.000
P250-00.625	5/8	1-1/8	1/4	.275 +.015 +.000	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.124 +.000 -.002	1.125 +.003 +.000
P250-00.625-375B	5/8	1-1/8	3/8	.413 +.015 +.000	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.124 +.000 -.002	1.125 +.003 +.000
P250-00.687	11/16	1-3/16	1/4	.275 +.015 +.000	.687 +.000 -.002	.688 +.003 +.000	1.188 +.003 +.000	.687 +.000 -.003	1.186 +.000 -.002	1.188 +.003 +.000
P250-00.750	3/4	1-1/4	1/4	.275 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
P250-00.750-375B	3/4	1-1/4	3/8	.413 +.015 +.000	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.002	1.250 +.003 +.000
P250-00.875-375B	7/8	1-3/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.374 +.000 -.002	1.375 +.003 +.000
P250-00.937	15/16	1-7/16	1/4	.275 +.015 +.000	.937 +.000 -.002	.938 +.003 +.000	1.438 +.003 +.000	.937 +.000 -.003	1.436 +.000 -.002	1.438 +.003 +.000
P250-01.000	1	1-1/2	1/4	.275 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
P250-01.000-375B	1	1-1/2	3/8	.413 +.015 +.000	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
P250-01.125	1-1/8	1-5/8	1/4	.275 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
P250-01.125-375B	1-1/8	1-5/8	3/8	.413 +.015 +.000	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.624 +.000 -.002	1.625 +.003 +.000
P250-01.187	1-3/16	1-11/16	1/4	.275 +.015 +.000	1.187 +.000 -.002	1.188 +.003 +.000	1.688 +.003 +.000	1.187 +.000 -.003	1.686 +.000 -.002	1.688 +.003 +.000
P250-01.250	1-1/4	1-3/4	1/4	.275 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
P250-01.250-375B	1-1/4	1-3/4	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.749 +.000 -.002	1.750 +.003 +.000
P250-01.375	1-3/8	1-7/8	1/4	.275 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
P250-01.375-375B	1-3/8	1-7/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.376 +.003 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.874 +.000 -.002	1.875 +.003 +.000
P250-01.500	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.002 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
P250-01.500-250B	1-1/2	2	1/4	.275 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
P250-01.500-375B	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
P250-01.500-375D	1-1/2	2	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.501 +.003 +.000	2.000 +.003 +.000	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
P250-01.625	1-5/8	2-1/8	1/4	.275 +.015 +.000	1.625 +.000 -.002	1.626 +.003 +.000	2.125 +.003 +.000	1.625 +.000 -.003	2.124 +.000 -.002	2.125 +.003 +.000
P250-01.625-375B	1-5/8	2-1/8	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.626 +.003 +.000	2.125 +.003 +.000	1.625 +.000 -.003	2.124 +.000 -.002	2.125 +.003 +.000
P250-01.750	1-3/4	2-1/4	1/4	.275 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
P250-01.750-375B	1-3/4	2-1/4	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.751 +.003 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
P250-01.875	1-7/8	2-3/8	1/4	.275 +.015 +.000	1.875 +.000 -.002	1.876 +.003 +.000	2.375 +.003 +.000	1.875 +.000 -.003	2.374 +.000 -.002	2.375 +.003 +.000
P250-01.875-375B	1-7/8	2-3/8	3/8	.413 +.015 +.000	1.875 +.000 -.002	1.876 +.003 +.000	2.375 +.003 +.000	1.875 +.000 -.003	2.374 +.000 -.002	2.375 +.003 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P250-02.000	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
P250-02.000-250B	2	2-1/2	1/4	.275 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
P250-02.000-375B	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
P250-02.000-375D	2	2-1/2	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.001 +.003 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
P250-02.125-375B	2-1/8	2-5/8	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.003 +.000	2.625 +.003 +.000	2.125 +.000 -.003	2.624 +.000 -.002	2.625 +.003 +.000
P250-02.250	2-1/4	2-3/4	1/4	.275 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
P250-02.250-375B	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
P250-02.250-375D	2-1/4	2-3/4	3/8	.413 +.015 +.000	2.250 +.000 -.002	2.251 +.003 +.000	2.750 +.003 +.000	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
P250-02.375	2-3/8	2-7/8	1/4	.275 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000
P250-02.375-375B	2-3/8	2-7/8	3/8	.413 +.015 +.000	2.375 +.000 -.002	2.376 +.003 +.000	2.875 +.003 +.000	2.375 +.000 -.003	2.874 +.000 -.002	2.875 +.003 +.000
P250-02.500	2-1/2	3	1/4	.275 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
P250-02.500-375B	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
P250-02.500-375D	2-1/2	3	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
P250-02.625-375B	2-5/8	3-1/8	3/8	.413 +.015 +.000	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
P250-02.750	2-3/4	3-1/4	1/4	.275 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
P250-02.750-375B	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
P250-02.750-375BPM	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
P250-02.750-375D	2-3/4	3-1/4	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
P250-02.875-375B	2-7/8	3-3/8	3/8	.413 +.015 +.000	2.875 +.000 -.002	2.876 +.003 +.000	3.375 +.003 +.000	2.875 +.000 -.003	3.374 +.000 -.002	3.375 +.003 +.000
P250-03.000	3	3-1/2	1/4	.275 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
P250-03.000-375B	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
P250-03.000-375D	3	3-1/2	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.500 +.003 +.000	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
P250-03.125	3-1/8	3-5/8	1/4	.275 +.015 +.000	3.125 +.000 -.002	3.126 +.003 +.000	3.625 +.003 +.000	3.125 +.000 -.003	3.624 +.000 -.002	3.625 +.003 +.000
P250-03.250	3-1/4	3-3/4	1/4	.275 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
P250-03.250-375B	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
P250-03.250-375D	3-1/4	3-3/4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.251 +.003 +.000	3.750 +.003 +.000	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
P250-03.500	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.500-312BHN	3-1/2	4	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.500-375B	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.500-375BPM	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.500-375D	3-1/2	4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.625-375B	3-5/8	4-1/8	3/8	.413 +.015 +.000	3.625 +.000 -.002	3.626 +.003 +.000	4.125 +.003 +.000	3.625 +.000 -.003	4.124 +.000 -.002	4.125 +.003 +.000
P250-03.750	3-3/4	4-1/4	1/4	.275 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P250-03.750-375B	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
P250-03.750-375D	3-3/4	4-1/4	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.249 +.000 -.002	4.250 +.003 +.000
P250-04.000	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-312BHN	4	4-1/2	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-375B	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-375D	4	4-1/2	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-562B	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-562D	4	4-1/2	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.250	4-1/4	4-3/4	1/4	.275 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
P250-04.250-375B	4-1/4	4-3/4	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
P250-04.250-375BPM	4-1/4	4-3/4	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
P250-04.250-562B	4-1/4	4-3/4	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
P250-04.250-562D	4-1/4	4-3/4	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.251 +.003 +.000	4.750 +.003 +.000	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
P250-04.375	4-3/8	4-7/8	1/4	.275 +.015 +.000	4.375 +.000 -.002	4.376 +.003 +.000	4.875 +.003 +.000	4.375 +.000 -.003	4.874 +.000 -.002	4.875 +.003 +.000
P250-04.500	4-1/2	5	1/4	.275 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-312BHN	4-1/2	5	5/16	.344 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-375B	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-375D	4-1/2	5	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-562B	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-562D	4-1/2	5	9/16	.619 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.750	4-3/4	5-1/4	1/4	.275 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
P250-04.750-375B	4-3/4	5-1/4	3/8	.413 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
P250-04.750-562B	4-3/4	5-1/4	9/16	.619 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
P250-04.750-562D	4-3/4	5-1/4	9/16	.619 +.015 +.000	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.249 +.000 -.002	5.250 +.003 +.000
P250-05.000	5	5-1/2	1/4	.275 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
P250-05.000-375B	5	5-1/2	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
P250-05.000-375D	5	5-1/2	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
P250-05.000-562B	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
P250-05.000-562D	5	5-1/2	9/16	.619 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.500 +.003 +.000	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
P250-05.250	5-1/4	5-3/4	1/4	.275 +.015 +.000	5.250 +.000 -.002	5.251 +.003 +.000	5.750 +.003 +.000	5.250 +.000 -.003	5.749 +.000 -.002	5.750 +.003 +.000
P250-05.375	5-3/8	5-7/8	1/4	.275 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	5.875 +.003 +.000	5.375 +.000 -.003	5.874 +.000 -.002	5.875 +.003 +.000
P250-05.500	5-1/2	6	1/4	.275 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
P250-05.500-375B	5-1/2	6	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000



STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P250-05.500-375D	5-1/2	6	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
P250-05.500-562B	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
P250-05.500-562D	5-1/2	6	9/16	.619 +.015 +.000	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
P250-05.625	5-5/8	6-1/8	1/4	.275 +.015 +.000	5.625 +.000 -.002	5.626 +.003 +.000	6.125 +.003 +.000	5.625 +.000 -.003	6.124 +.000 -.002	6.125 +.003 +.000
P250-05.750-375BPM	5-3/4	6-1/4	3/8	.413 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
P250-05.750-562B	5-3/4	6-1/4	9/16	.619 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
P250-05.750-562D	5-3/4	6-1/4	9/16	.619 +.015 +.000	5.750 +.000 -.002	5.751 +.003 +.000	6.250 +.003 +.000	5.750 +.000 -.003	6.249 +.000 -.002	6.250 +.003 +.000
P250-06.000	6	6-1/2	1/4	.275 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
P250-06.000-375B	6	6-1/2	3/8	.413 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
P250-06.000-562B	6	6-1/2	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
P250-06.000-562D	6	6-1/2	9/16	.619 +.015 +.000	6.000 +.000 -.002	6.001 +.003 +.000	6.500 +.003 +.000	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
P250-06.250-562B	6-1/4	6-3/4	9/16	.619 +.015 +.000	6.250 +.000 -.002	6.251 +.003 +.000	6.750 +.003 +.000	6.250 +.000 -.003	6.749 +.000 -.002	6.750 +.003 +.000
P250-06.500	6-1/2	7	1/4	.275 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
P250-06.500-375B	6-1/2	7	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
P250-06.500-375D	6-1/2	7	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
P250-06.500-562B	6-1/2	7	9/16	.619 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
P250-06.500-562D	6-1/2	7	9/16	.619 +.015 +.000	6.500 +.000 -.002	6.501 +.003 +.000	7.000 +.003 +.000	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
P250-06.750	6-3/4	7-1/4	1/4	.275 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
P250-06.750-562B	6-3/4	7-1/4	9/16	.619 +.015 +.000	6.750 +.000 -.002	6.751 +.003 +.000	7.250 +.003 +.000	6.750 +.000 -.003	7.249 +.000 -.002	7.250 +.003 +.000
P250-07.000-375B	7	7-1/2	3/8	.413 +.015 +.000	7.000 +.000 -.002	7.001 +.003 +.000	7.500 +.003 +.000	7.000 +.000 -.003	7.499 +.000 -.002	7.500 +.003 +.000
P250-07.000-562B	7	7-1/2	9/16	.619 +.015 +.000	7.000 +.000 -.002	7.001 +.003 +.000	7.500 +.003 +.000	7.000 +.000 -.003	7.499 +.000 -.002	7.500 +.003 +.000
P250-07.500	7-1/2	8	1/4	.275 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
P250-07.500-562B	7-1/2	8	9/16	.619 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
P250-07.500-562D	7-1/2	8	9/16	.619 +.015 +.000	7.500 +.000 -.002	7.501 +.003 +.000	8.000 +.003 +.000	7.500 +.000 -.003	7.999 +.000 -.002	8.000 +.003 +.000
P250-08.000-562B	8	8-1/2	9/16	.619 +.015 +.000	8.000 +.000 -.002	8.001 +.003 +.000	8.500 +.003 +.000	8.000 +.000 -.003	8.499 +.000 -.002	8.500 +.003 +.000
P250-08.500-562B	8-1/2	9	9/16	.619 +.015 +.000	8.500 +.000 -.002	8.501 +.003 +.000	9.000 +.003 +.000	8.500 +.000 -.003	8.999 +.000 -.002	9.000 +.003 +.000
P250-10.000-562B	10	10-1/2	9/16	.619 +.015 +.000	10.000 +.000 -.002	10.001 +.003 +.000	10.500 +.003 +.000	10.000 +.000 -.003	10.499 +.000 -.002	10.500 +.003 +.000
P250-11.500	11-1/2	12	1/4	.275 +.015 +.000	11.500 +.000 -.002	11.501 +.003 +.000	12.000 +.003 +.000	11.500 +.000 -.003	11.999 +.000 -.002	12.000 +.003 +.000
9/32" C/S										
P281-05.000-343BHN	5	5-9/16	11/32	.379 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.562 +.000 -.002	5.563 +.003 +.000
5/16" C/S										
P312-00.875	7/8	1-1/2	5/16	.344 +.015 +.000	.875 +.000 -.002	.877 +.003 +.000	1.500 +.004 +.000	.875 +.000 -.004	1.498 +.000 -.002	1.500 +.003 +.000
P312-01.000-500B	1	1-5/8	1/2	.550 +.015 +.000	1.000 +.000 -.002	1.002 +.003 +.000	1.625 +.004 +.000	1.000 +.000 -.004	1.623 +.000 -.002	1.625 +.003 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P312-01.187	1-3/16	1-13/16	5/16	.344 +.015 +.000	1.187 +.000 -.002	1.189 +.003 +.000	1.813 +.004 +.000	1.187 +.000 -.004	1.810 +.000 -.002	1.813 +.003 +.000
P312-01.250-500B	1-1/4	1-7/8	1/2	.550 +.015 +.000	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
P312-01.375	1-3/8	2	5/16	.344 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
P312-01.375-500B	1-3/8	2	1/2	.550 +.015 +.000	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.002	2.000 +.003 +.000
P312-01.500	1-1/2	2-1/8	5/16	.344 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
P312-01.500-500B	1-1/2	2-1/8	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
P312-01.500-500D	1-1/2	2-1/8	1/2	.550 +.015 +.000	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.002	2.125 +.003 +.000
P312-01.625	1-5/8	2-1/4	5/16	.344 +.015 +.000	1.625 +.000 -.002	1.627 +.003 +.000	2.250 +.004 +.000	1.625 +.000 -.004	2.248 +.000 -.002	2.250 +.003 +.000
P312-01.750	1-3/4	2-3/8	5/16	.344 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
P312-01.750-500B	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
P312-01.750-500D	1-3/4	2-3/8	1/2	.550 +.015 +.000	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000
P312-01.875	1-7/8	2-1/2	5/16	.344 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000
P312-01.875-500B	1-7/8	2-1/2	1/2	.550 +.015 +.000	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.002	2.500 +.003 +.000
P312-02.000	2	2-5/8	5/16	.344 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
P312-02.000-500B	2	2-5/8	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
P312-02.000-500D	2	2-5/8	1/2	.550 +.015 +.000	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.002	2.625 +.003 +.000
P312-02.125-500B	2-1/8	2-3/4	1/2	.550 +.015 +.000	2.125 +.000 -.002	2.126 +.003 +.000	2.750 +.004 +.000	2.125 +.000 -.004	2.749 +.000 -.002	2.750 +.003 +.000
P312-02.250	2-1/4	2-7/8	5/16	.344 +.015 +.000	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.002	2.875 +.003 +.000
P312-02.250-500B	2-1/4	2-7/8	1/2	.550 +.015 +.000	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.002	2.875 +.003 +.000
P312-02.375	2-3/8	3	5/16	.344 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
P312-02.375-500B	2-3/8	3	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
P312-02.375-500D	2-3/8	3	1/2	.550 +.015 +.000	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
P312-02.500	2-1/2	3-1/8	5/16	.344 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
P312-02.500-500B	2-1/2	3-1/8	1/2	.550 +.015 +.000	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.002	3.125 +.003 +.000
P312-02.625-500B	2-5/8	3-1/4	1/2	.550 +.015 +.000	2.625 +.000 -.002	2.627 +.003 +.000	3.250 +.004 +.000	2.625 +.000 -.004	3.248 +.000 -.002	3.250 +.003 +.000
P312-02.750	2-3/4	3-3/8	5/16	.344 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
P312-02.750-500B	2-3/4	3-3/8	1/2	.550 +.015 +.000	2.750 +.000 -.002	2.752 +.003 +.000	3.375 +.004 +.000	2.750 +.000 -.004	3.373 +.000 -.002	3.375 +.003 +.000
P312-03.000-500B	3	3-5/8	1/2	.550 +.015 +.000	3.000 +.000 -.002	3.002 +.003 +.000	3.625 +.004 +.000	3.000 +.000 -.004	3.623 +.000 -.002	3.625 +.003 +.000
P312-03.125	3-1/8	3-3/4	5/16	.344 +.015 +.000	3.125 +.000 -.002	3.127 +.003 +.000	3.750 +.004 +.000	3.125 +.000 -.004	3.748 +.000 -.002	3.750 +.003 +.000
P312-03.250-500B	3-1/4	3-7/8	1/2	.550 +.015 +.000	3.250 +.000 -.002	3.252 +.003 +.000	3.875 +.004 +.000	3.250 +.000 -.004	3.873 +.000 -.002	3.875 +.003 +.000
P312-03.375	3-3/8	4	5/16	.344 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
P312-03.375-500B	3-3/8	4	1/2	.550 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
P312-03.375-500D	3-3/8	4	1/2	.550 +.015 +.000	3.375 +.000 -.002	3.377 +.003 +.000	4.000 +.004 +.000	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P312-03.500	3-1/2	4-1/8	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000
P312-03.500-500B	3-1/2	4-1/8	1/2	.550 +.015 +.000	3.500 +.000 -.002	3.502 +.003 +.000	4.125 +.004 +.000	3.500 +.000 -.004	4.123 +.000 -.002	4.125 +.003 +.000
P312-03.750	3-3/4	4-3/8	5/16	.344 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
P312-03.750-375B	3-3/4	4-3/8	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.752 +.003 +.000	4.375 +.004 +.000	3.750 +.000 -.004	4.373 +.000 -.002	4.375 +.003 +.000
P312-03.875-500D	3-7/8	4-1/2	1/2	.550 +.015 +.000	3.875 +.000 -.002	3.877 +.003 +.000	4.500 +.004 +.000	3.875 +.000 -.004	4.498 +.000 -.002	4.500 +.003 +.000
P312-04.000	4	4-5/8	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.002 +.003 +.000	4.625 +.004 +.000	4.000 +.000 -.004	4.623 +.000 -.002	4.625 +.003 +.000
P312-04.000-562B	4	4-5/8	9/16	.619 +.015 +.000	4.000 +.000 -.002	4.002 +.003 +.000	4.625 +.004 +.000	4.000 +.000 -.004	4.623 +.000 -.002	4.625 +.003 +.000
P312-04.125-562B	4-1/8	4-3/4	9/16	.619 +.015 +.000	4.125 +.000 -.002	4.127 +.003 +.000	4.750 +.004 +.000	4.125 +.000 -.004	4.748 +.000 -.002	4.750 +.003 +.000
P312-04.250-562B	4-1/4	4-7/8	9/16	.619 +.015 +.000	4.250 +.000 -.002	4.252 +.003 +.000	4.875 +.004 +.000	4.250 +.000 -.004	4.873 +.000 -.002	4.875 +.003 +.000
P312-04.375	4-3/8	5	5/16	.344 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
P312-04.375-500D	4-3/8	5	1/2	.550 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
P312-04.375-562D	4-3/8	5	9/16	.619 +.015 +.000	4.375 +.000 -.002	4.377 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
P312-04.750	4-3/4	5-3/8	5/16	.344 +.015 +.000	4.750 +.000 -.002	4.752 +.003 +.000	5.375 +.004 +.000	4.750 +.000 -.004	5.373 +.000 -.002	5.375 +.003 +.000
P312-04.750-625B	4-3/4	5-3/8	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.003 +.000	5.375 +.004 +.000	4.750 +.000 -.004	5.373 +.000 -.002	5.375 +.003 +.000
P312-04.875	4-7/8	5-1/2	5/16	.344 +.015 +.000	4.875 +.000 -.002	4.877 +.003 +.000	5.500 +.004 +.000	4.875 +.000 -.004	5.498 +.000 -.002	5.500 +.003 +.000
P312-05.375-625D	5-3/8	6	5/8	.688 +.015 +.000	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.002	6.000 +.003 +.000
P312-05.500	5-1/2	6-1/8	5/16	.344 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000
P312-05.500-375BHN	5-1/2	6-1/8	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000
P312-07.000	7	7-5/8	5/16	.344 +.015 +.000	7.000 +.000 -.002	7.002 +.003 +.000	7.625 +.004 +.000	7.000 +.000 -.004	7.623 +.000 -.002	7.625 +.003 +.000
P312-07.250	7-1/4	7-7/8	5/16	.344 +.015 +.000	7.250 +.000 -.002	7.252 +.003 +.000	7.875 +.004 +.000	7.250 +.000 -.004	7.873 +.000 -.002	7.875 +.003 +.000
P312-07.375	7-3/8	8	5/16	.344 +.015 +.000	7.375 +.000 -.002	7.377 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.002	8.000 +.003 +.000
P312-07.875-625B	7-7/8	8-1/2	5/8	.688 +.015 +.000	7.875 +.000 -.002	7.877 +.003 +.000	8.500 +.004 +.000	7.875 +.000 -.004	8.498 +.000 -.002	8.500 +.003 +.000
P312-08.000	8	8-5/8	5/16	.344 +.015 +.000	8.000 +.000 -.002	8.002 +.003 +.000	8.625 +.004 +.000	8.000 +.000 -.004	8.623 +.000 -.002	8.625 +.003 +.000
3/8" C/S										
P375-00.750	3/4	1-1/2	3/8	.413 +.015 +.000	.750 +.000 -.002	.752 +.004 +.000	1.500 +.005 +.000	.750 +.000 -.005	1.498 +.000 -.002	1.500 +.004 +.000
P375-00.875	7/8	1-5/8	3/8	.413 +.015 +.000	.875 +.000 -.002	.877 +.004 +.000	1.625 +.005 +.000	.875 +.000 -.005	1.623 +.000 -.002	1.625 +.004 +.000
P375-01.250	1-1/4	2	3/8	.413 +.015 +.000	1.250 +.000 -.002	1.252 +.004 +.000	2.000 +.005 +.000	1.250 +.000 -.005	1.998 +.000 -.002	2.000 +.004 +.000
P375-01.375	1-3/8	2-1/8	3/8	.413 +.015 +.000	1.375 +.000 -.002	1.377 +.004 +.000	2.125 +.005 +.000	1.375 +.000 -.005	2.123 +.000 -.002	2.125 +.004 +.000
P375-01.375-625B	1-3/8	2-1/8	5/8	.688 +.015 +.000	1.375 +.000 -.002	1.377 +.004 +.000	2.125 +.005 +.000	1.375 +.000 -.005	2.123 +.000 -.002	2.125 +.004 +.000
P375-01.500	1-1/2	2-1/4	3/8	.413 +.015 +.000	1.500 +.000 -.002	1.502 +.004 +.000	2.250 +.005 +.000	1.500 +.000 -.005	2.248 +.000 -.002	2.250 +.004 +.000
P375-01.500-625B	1-1/2	2-1/4	5/8	.688 +.015 +.000	1.500 +.000 -.002	1.502 +.004 +.000	2.250 +.005 +.000	1.500 +.000 -.005	2.248 +.000 -.002	2.250 +.004 +.000
P375-01.625	1-5/8	2-3/8	3/8	.413 +.015 +.000	1.625 +.000 -.002	1.627 +.004 +.000	2.375 +.005 +.000	1.625 +.000 -.005	2.373 +.000 -.002	2.375 +.004 +.000
P375-01.750	1-3/4	2-1/2	3/8	.413 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P375-01.750-625B	1-3/4	2-1/2	5/8	.688 +.015 +.000	1.750 +.000 -.002	1.752 +.004 +.000	2.500 +.005 +.000	1.750 +.000 -.005	2.498 +.000 -.002	2.500 +.004 +.000
P375-02.000	2	2-3/4	3/8	.413 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
P375-02.000-625B	2	2-3/4	5/8	.688 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
P375-02.000-625D	2	2-3/4	5/8	.688 +.015 +.000	2.000 +.000 -.002	2.002 +.004 +.000	2.750 +.005 +.000	2.000 +.000 -.005	2.748 +.000 -.002	2.750 +.004 +.000
P375-02.125	2-1/8	2-7/8	3/8	.413 +.015 +.000	2.125 +.000 -.002	2.126 +.004 +.000	2.875 +.005 +.000	2.125 +.000 -.005	2.874 +.000 -.002	2.875 +.004 +.000
P375-02.250-625B	2-1/4	3	5/8	.688 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
P375-02.250-625D	2-1/4	3	5/8	.688 +.015 +.000	2.250 +.000 -.002	2.252 +.004 +.000	3.000 +.005 +.000	2.250 +.000 -.005	2.998 +.000 -.002	3.000 +.004 +.000
P375-02.375-625B	2-3/8	3-1/8	5/8	.688 +.015 +.000	2.375 +.000 -.002	2.377 +.004 +.000	3.125 +.005 +.000	2.375 +.000 -.005	3.123 +.000 -.002	3.125 +.004 +.000
P375-02.500	2-1/2	3-1/4	3/8	.413 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
P375-02.500-625B	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
P375-02.500-625D	2-1/2	3-1/4	5/8	.688 +.015 +.000	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
P375-02.625-625B	2-5/8	3-3/8	5/8	.688 +.015 +.000	2.625 +.000 -.002	2.627 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.373 +.000 -.002	3.375 +.004 +.000
P375-02.750	2-3/4	3-1/2	3/8	.413 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
P375-02.750-625B	2-3/4	3-1/2	5/8	.688 +.015 +.000	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
P375-03.000	3	3-3/4	3/8	.413 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
P375-03.000-625B	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
P375-03.000-625D	3	3-3/4	5/8	.688 +.015 +.000	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.002	3.750 +.004 +.000
P375-03.250	3-1/4	4	3/8	.413 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
P375-03.250-625B	3-1/4	4	5/8	.688 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
P375-03.250-625D	3-1/4	4	5/8	.688 +.015 +.000	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
P375-03.375-625B	3-3/8	4-1/8	5/8	.688 +.015 +.000	3.375 +.000 -.002	3.377 +.004 +.000	4.125 +.005 +.000	3.375 +.000 -.005	4.123 +.000 -.002	4.125 +.004 +.000
P375-03.500	3-1/2	4-1/4	3/8	.413 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
P375-03.500-625B	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
P375-03.500-625D	3-1/2	4-1/4	5/8	.688 +.015 +.000	3.500 +.000 -.002	3.502 +.004 +.000	4.250 +.005 +.000	3.500 +.000 -.005	4.248 +.000 -.002	4.250 +.004 +.000
P375-03.625-625B	3-5/8	4-3/8	5/8	.688 +.015 +.000	3.625 +.000 -.002	3.627 +.004 +.000	4.375 +.005 +.000	3.625 +.000 -.005	4.373 +.000 -.002	4.375 +.004 +.000
P375-03.750	3-3/4	4-1/2	3/8	.413 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
P375-03.750-625B	3-3/4	4-1/2	5/8	.688 +.015 +.000	3.750 +.000 -.002	3.752 +.004 +.000	4.500 +.005 +.000	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
P375-04.000	4	4-3/4	3/8	.413 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
P375-04.000-625B	4	4-3/4	5/8	.688 +.015 +.000	4.000 +.000 -.002	4.002 +.004 +.000	4.750 +.005 +.000	4.000 +.000 -.005	4.748 +.000 -.002	4.750 +.004 +.000
P375-04.250	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
P375-04.250-375B	4-1/4	5	3/8	.413 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
P375-04.250-625B	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
P375-04.250-625D	4-1/4	5	5/8	.688 +.015 +.000	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P375-04.500	4-1/2	5-1/4	3/8	.413 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
P375-04.500-625B	4-1/2	5-1/4	5/8	.688 +.015 +.000	4.500 +.000 -.002	4.502 +.004 +.000	5.250 +.005 +.000	4.500 +.000 -.005	5.248 +.000 -.002	5.250 +.004 +.000
P375-04.750	4-3/4	5-1/2	3/8	.413 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
P375-04.750-625B	4-3/4	5-1/2	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
P375-04.750-625D	4-3/4	5-1/2	5/8	.688 +.015 +.000	4.750 +.000 -.002	4.752 +.004 +.000	5.500 +.005 +.000	4.750 +.000 -.005	5.498 +.000 -.002	5.500 +.004 +.000
P375-05.000	5	5-3/4	3/8	.413 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
P375-05.000-625B	5	5-3/4	5/8	.688 +.015 +.000	5.000 +.000 -.002	5.002 +.004 +.000	5.750 +.005 +.000	5.000 +.000 -.005	5.748 +.000 -.002	5.750 +.004 +.000
P375-05.250	5-1/4	6	3/8	.413 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
P375-05.250-500B	5-1/4	6	1/2	.550 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
P375-05.250-500D	5-1/4	6	1/2	.550 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
P375-05.250-625B	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
P375-05.250-625D	5-1/4	6	5/8	.688 +.015 +.000	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
P375-05.500	5-1/2	6-1/4	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
P375-05.500-625B	5-1/2	6-1/4	5/8	.688 +.015 +.000	5.500 +.000 -.002	5.502 +.004 +.000	6.250 +.005 +.000	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
P375-05.750	5-3/4	6-1/2	3/8	.413 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000
P375-05.750-625B	5-3/4	6-1/2	5/8	.688 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000
P375-05.750-625D	5-3/4	6-1/2	5/8	.688 +.015 +.000	5.750 +.000 -.002	5.752 +.004 +.000	6.500 +.005 +.000	5.750 +.000 -.005	6.498 +.000 -.002	6.500 +.004 +.000
P375-06.000	6	6-3/4	3/8	.413 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000
P375-06.000-625B	6	6-3/4	5/8	.688 +.015 +.000	6.000 +.000 -.002	6.002 +.004 +.000	6.750 +.005 +.000	6.000 +.000 -.005	6.748 +.000 -.002	6.750 +.004 +.000
P375-06.250	6-1/4	7	3/8	.413 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
P375-06.250-500D	6-1/4	7	1/2	.550 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
P375-06.250-625B	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
P375-06.250-625D	6-1/4	7	5/8	.688 +.015 +.000	6.250 +.000 -.002	6.252 +.004 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
P375-06.500	6-1/2	7-1/4	3/8	.413 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
P375-06.500-625B	6-1/2	7-1/4	5/8	.688 +.015 +.000	6.500 +.000 -.002	6.502 +.004 +.000	7.250 +.005 +.000	6.500 +.000 -.005	7.248 +.000 -.002	7.250 +.004 +.000
P375-06.750-625B	6-3/4	7-1/2	5/8	.688 +.015 +.000	6.750 +.000 -.002	6.752 +.004 +.000	7.500 +.005 +.000	6.750 +.000 -.005	7.498 +.000 -.002	7.500 +.004 +.000
P375-07.000-625B	7	7-3/4	5/8	.688 +.015 +.000	7.000 +.000 -.002	7.002 +.004 +.000	7.750 +.005 +.000	7.000 +.000 -.005	7.748 +.000 -.002	7.750 +.004 +.000
P375-07.250-625B	7-1/4	8	5/8	.688 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
P375-07.250-625D	7-1/4	8	5/8	.688 +.015 +.000	7.250 +.000 -.002	7.252 +.004 +.000	8.000 +.005 +.000	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
P375-07.500	7-1/2	8-1/4	3/8	.413 +.015 +.000	7.500 +.000 -.002	7.502 +.004 +.000	8.250 +.005 +.000	7.500 +.000 -.005	8.248 +.000 -.002	8.250 +.004 +.000
P375-07.500-625B	7-1/2	8-1/4	5/8	.688 +.015 +.000	7.500 +.000 -.002	7.502 +.004 +.000	8.250 +.005 +.000	7.500 +.000 -.005	8.248 +.000 -.002	8.250 +.004 +.000
P375-08.000	8	8-3/4	3/8	.413 +.015 +.000	8.000 +.000 -.002	8.002 +.004 +.000	8.750 +.005 +.000	8.000 +.000 -.005	8.748 +.000 -.002	8.750 +.004 +.000
P375-08.250-625B	8-1/4	9	5/8	.688 +.015 +.000	8.250 +.000 -.002	8.252 +.004 +.000	9.000 +.005 +.000	8.250 +.000 -.005	8.998 +.000 -.002	9.000 +.004 +.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

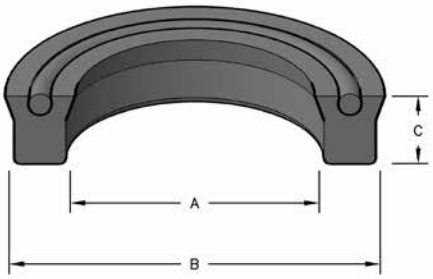
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 850 POLYURETHANE U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
P375-08.750	8-3/4	9-1/2	3/8	.413 +.015 +.000	8.750 +.000 -.002	8.752 +.004 +.000	9.500 +.005 +.000	8.750 +.000 -.005	9.498 +.000 -.002	9.500 +.004 +.000
P375-09.000-625B	9	9-3/4	5/8	.688 +.015 +.000	9.000 +.000 -.002	9.002 +.004 +.000	9.750 +.005 +.000	9.000 +.000 -.005	9.748 +.000 -.002	9.750 +.004 +.000
P375-10.000	10	10-3/4	3/8	.413 +.015 +.000	10.000 +.000 -.002	10.002 +.004 +.000	10.750 +.005 +.000	10.000 +.000 -.005	10.748 +.000 -.002	10.750 +.004 +.000
1/2" C/S										
P500-01.500	1-1/2	2-1/2	1/2	.550 +.015 +.000	1.500 +.000 -.003	1.502 +.005 +.000	2.500 +.007 +.000	1.500 +.000 -.007	2.498 +.000 -.003	2.500 +.005 +.000
P500-01.750-750B	1-3/4	2-3/4	3/4	.825 +.015 +.000	1.750 +.000 -.003	1.752 +.005 +.000	2.750 +.007 +.000	1.750 +.000 -.007	2.748 +.000 -.003	2.750 +.005 +.000
P500-02.000-750B	2	3	3/4	.825 +.015 +.000	2.000 +.000 -.003	2.002 +.005 +.000	3.000 +.007 +.000	2.000 +.000 -.007	2.998 +.000 -.003	3.000 +.005 +.000
P500-02.500	2-1/2	3-1/2	1/2	.550 +.015 +.000	2.500 +.000 -.003	2.502 +.005 +.000	3.500 +.007 +.000	2.500 +.000 -.007	3.498 +.000 -.003	3.500 +.005 +.000
P500-02.500-750B	2-1/2	3-1/2	3/4	.825 +.015 +.000	2.500 +.000 -.003	2.502 +.005 +.000	3.500 +.007 +.000	2.500 +.000 -.007	3.498 +.000 -.003	3.500 +.005 +.000
P500-03.000	3	4	1/2	.550 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
P500-03.000-750B	3	4	3/4	.825 +.015 +.000	3.000 +.000 -.003	3.002 +.005 +.000	4.000 +.007 +.000	3.000 +.000 -.007	3.998 +.000 -.003	4.000 +.005 +.000
P500-03.250-750B	3-1/4	4-1/4	3/4	.825 +.015 +.000	3.250 +.000 -.003	3.252 +.005 +.000	4.250 +.007 +.000	3.250 +.000 -.007	4.248 +.000 -.003	4.250 +.005 +.000
P500-03.500-625	3-1/2	4-1/2	5/8	.688 +.015 +.000	3.500 +.000 -.003	3.502 +.005 +.000	4.500 +.007 +.000	3.500 +.000 -.007	4.498 +.000 -.003	4.500 +.005 +.000
P500-04.000	4	5	1/2	.550 +.015 +.000	4.000 +.000 -.003	4.002 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.003	5.000 +.005 +.000
P500-04.000-750B	4	5	3/4	.825 +.015 +.000	4.000 +.000 -.003	4.002 +.005 +.000	5.000 +.007 +.000	4.000 +.000 -.007	4.998 +.000 -.003	5.000 +.005 +.000
P500-04.250	4-1/4	5-1/4	1/2	.550 +.015 +.000	4.250 +.000 -.003	4.252 +.005 +.000	5.250 +.007 +.000	4.250 +.000 -.007	5.248 +.000 -.003	5.250 +.005 +.000
P500-04.500-750B	4-1/2	5-1/2	3/4	.825 +.015 +.000	4.500 +.000 -.003	4.502 +.005 +.000	5.500 +.007 +.000	4.500 +.000 -.007	5.498 +.000 -.003	5.500 +.005 +.000
P500-05.000	5	6	1/2	.550 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
P500-05.000-750B	5	6	3/4	.825 +.015 +.000	5.000 +.000 -.003	5.002 +.005 +.000	6.000 +.007 +.000	5.000 +.000 -.007	5.998 +.000 -.003	6.000 +.005 +.000
P500-05.500-750B	5-1/2	6-1/2	3/4	.825 +.015 +.000	5.500 +.000 -.003	5.502 +.005 +.000	6.500 +.007 +.000	5.500 +.000 -.007	6.498 +.000 -.003	6.500 +.005 +.000
P500-06.000	6	7	1/2	.550 +.015 +.000	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
P500-06.000-750B	6	7	3/4	.825 +.015 +.000	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
P500-07.000	7	8	1/2	.550 +.015 +.000	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
P500-07.000-750B	7	8	3/4	.825 +.015 +.000	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
P500-07.000-750D	7	8	3/4	.825 +.015 +.000	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
P500-08.000	8	9	1/2	.550 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
P500-08.000-750B	8	9	3/4	.825 +.015 +.000	8.000 +.000 -.003	8.002 +.005 +.000	9.000 +.007 +.000	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
P500-09.000	9	10	1/2	.550 +.015 +.000	9.000 +.000 -.003	9.002 +.005 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000
5/8" C/S										
P625-02.750	2-3/4	4	5/8	.688 +.015 +.000	2.750 +.000 -.003	2.753 +.006 +.000	4.000 +.009 +.000	2.750 +.000 -.009	3.997 +.000 -.003	4.000 +.006 +.000
P625-03.250	3-1/4	4-1/2	5/8	.688 +.015 +.000	3.250 +.000 -.003	3.253 +.006 +.000	4.500 +.009 +.000	3.250 +.000 -.009	4.497 +.000 -.003	4.500 +.006 +.000
P625-04.750	4-3/4	6	5/8	.688 +.015 +.000	4.750 +.000 -.003	4.753 +.006 +.000	6.000 +.009 +.000	4.750 +.000 -.009	5.997 +.000 -.003	6.000 +.006 +.000

STYLE 850 FLUOROCARBON U-SEALS

Utilizing the same profiles as the Style 850 Polyurethane U-Seals, these u-seals are molded from a fluorocarbon compound. While being compatible with a broader range of fluids, these fluorocarbon seals will also operate continuously at temperatures from -20° to +400° F. **NOTE:** If you are not sure of fluid/seal compatibility, please refer to the fluid compatibility chart in the appendix or contact our Engineering Department.



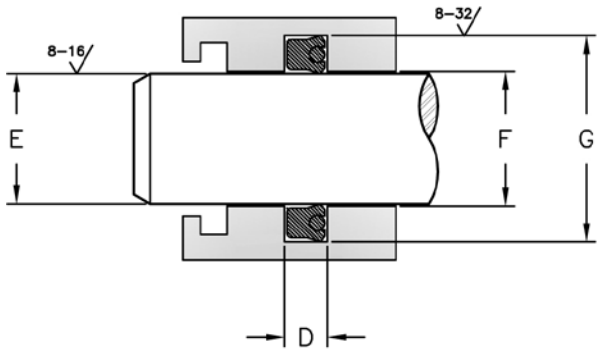


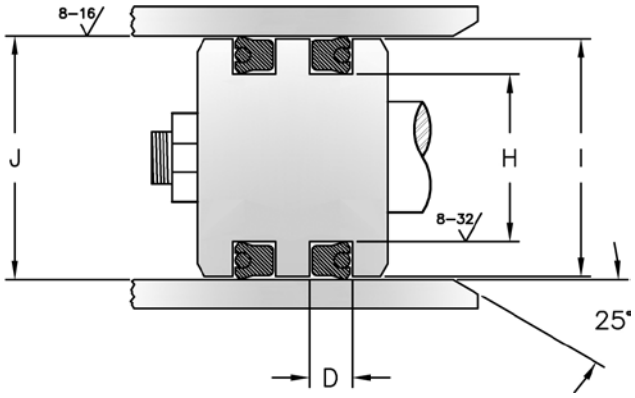
PART NUMBERS

P 125 - 00.625 - 187BV

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	90A FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	0 TO 2,000 PSI
SPEED	3 FT/SEC







Standard -
Height and cross section are equal, thus giving a square seal.
Utilizes type "D" lip
Typical Part Number
P250-00.750V



Deep -
Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a retangular shape.
Typical Part Number
P250-03.500-312DV



Type B -
Same dimensions as the Deep seal. Beveled lip design provides better film breaking.
Utilizes type "B" lip.
Typical Part Number
P250-03.500-312BV

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S										
P125-00.500V	1/2	3/4	1/8	.138 +.015 +.000	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.749 +.000 -.001	.750 +.002 +.000
P125-00.625-SQBV	5/8	7/8	1/8	.138 +.015 +.000	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.874 +.000 -.001	.875 +.002 +.000
5/32" C/S										
P156-01.000-SQBV	1	1-5/16	5/32	.172 +.015 +.000	1.000 +.000 -.002	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.311 +.000 -.001	1.313 +.002 +.000
P156-01.375-SQBV	1-3/8	1-11/16	5/32	.172 +.015 +.000	1.375 +.000 -.002	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.686 +.000 -.001	1.688 +.002 +.000
3/16" C/S										
P187-01.750-SQBV	1-3/4	2-1/8	3/16	.207 +.015 +.000	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
P187-02.000-SQBV	2	2-3/8	3/16	.207 +.015 +.000	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.374 +.000 -.002	2.375 +.002 +.000

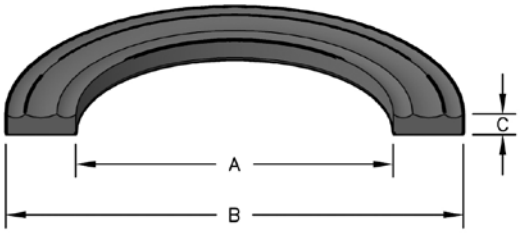
STYLE 850 FLUOROCARBON U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
7/32" C/S										
P218-02.500-SQBV	2-1/2	2-15/16	7/32	.241 +.015 +.000	2.500 +.000 -.002	2.501 +.003 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.936 +.000 -.003	2.938 +.002 +.000
P218-03.000-SQBV	3	3-7/16	7/32	.241 +.015 +.000	3.000 +.000 -.002	3.001 +.003 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.436 +.000 -.003	3.438 +.002 +.000
1/4" C/S										
P250-00.750V	3/4	1-1/4	1/4	.275 +.015 +.000	.750 +.000 -.002	.751 +.002 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.249 +.000 -.001	1.250 +.003 +.000
P250-03.500-SQBV	3-1/2	4	1/4	.275 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-03.500-312BV	3-1/2	4	5/16	.344 +.015 +.000	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
P250-04.000-SQBV	4	4-1/2	1/4	.275 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.000-312BV	4	4-1/2	5/16	.344 +.015 +.000	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
P250-04.500-SQBV	4-1/2	5	1/4	.275 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
P250-04.500-312BV	4-1/2	5	5/16	.344 +.015 +.000	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
9/32" C/S										
P281-05.000-SQBV	5	5-9/16	9/32	.310 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.561 +.000 -.002	5.563 +.003 +.000
P281-05.000-343BV	5	5-9/16	11/32	.379 +.015 +.000	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.561 +.000 -.002	5.563 +.003 +.000
5/16" C/S										
P312-05.500-SQBV	5-1/2	6-1/8	5/16	.344 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000
P312-05.500-375BV	5-1/2	6-1/8	3/8	.413 +.015 +.000	5.500 +.000 -.002	5.502 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.002	6.125 +.003 +.000

Seal color may vary.

STYLE 855 PRC RINGS

Used as a companion to our "B" lip configured Style 850 u-seal, Style 855 PRC rings convert a uni-directional u-seal into a bi-directional seal. **NOTE:** Height dimension is the increase in groove width required.

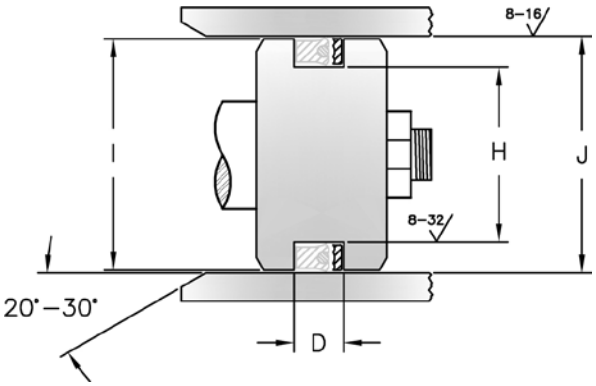


PART NUMBERS

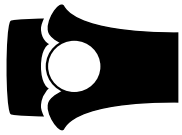
PRC 125 - 01.000

Type of Seal | Cross Section | Inside Diameter

SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Style 855
Companion Ring



Style 850
Loaded Lip U-Seal

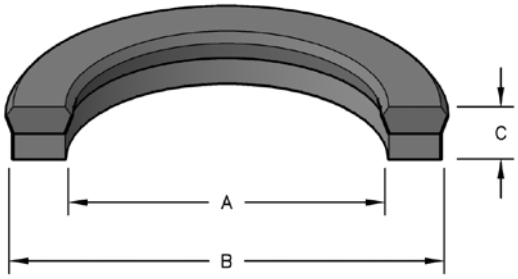
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S						
PRC125-01.000	1	1-1/4	.065	1.000 +.000 -.002	1.249 +.000 -.001	1.250 +.002 +.000
PRC125-01.250	1-1/4	1-1/2	.065	1.250 +.000 -.002	1.499 +.000 -.001	1.500 +.002 +.000
3/16" C/S						
PRC187-01.125	1-1/8	1-1/2	.11	1.125 +.000 -.002	1.499 +.000 -.002	1.500 +.002 +.000
PRC187-01.375	1-3/8	1-3/4	.11	1.375 +.000 -.002	1.749 +.000 -.002	1.750 +.002 +.000
PRC187-01.500	1-1/2	1-7/8	.11	1.500 +.000 -.002	1.874 +.000 -.002	1.875 +.002 +.000
PRC187-01.625	1-5/8	2	.11	1.625 +.000 -.002	1.999 +.000 -.002	2.000 +.002 +.000
PRC187-01.750	1-3/4	2-1/8	.11	1.750 +.000 -.002	2.124 +.000 -.002	2.125 +.002 +.000
PRC187-02.375	2-3/8	2-3/4	.11	2.375 +.000 -.002	2.749 +.000 -.002	2.750 +.002 +.000
PRC187-02.625	2-5/8	3	.11	2.625 +.000 -.002	2.999 +.000 -.002	3.000 +.002 +.000
PRC187-03.000	3	3-3/8	.11	3.000 +.000 -.002	3.374 +.000 -.002	3.375 +.002 +.000
PRC187-03.125	3-1/8	3-1/2	.11	3.125 +.000 -.002	3.499 +.000 -.002	3.500 +.002 +.000
PRC187-03.625	3-5/8	4	.11	3.625 +.000 -.002	3.999 +.000 -.002	4.000 +.002 +.000

STYLE 855 PRC RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/4" C/S						
PRC250-01.000	1	1-1/2	.137	1.000 +.000 -.003	1.499 +.000 -.002	1.500 +.003 +.000
PRC250-01.500	1-1/2	2	.137	1.500 +.000 -.003	1.999 +.000 -.002	2.000 +.003 +.000
PRC250-01.750	1-3/4	2-1/4	.137	1.750 +.000 -.003	2.249 +.000 -.002	2.250 +.003 +.000
PRC250-02.000	2	2-1/2	.137	2.000 +.000 -.003	2.499 +.000 -.002	2.500 +.003 +.000
PRC250-02.250	2-1/4	2-3/4	.137	2.250 +.000 -.003	2.749 +.000 -.002	2.750 +.003 +.000
PRC250-02.500	2-1/2	3	.137	2.500 +.000 -.003	2.999 +.000 -.002	3.000 +.003 +.000
PRC250-02.750	2-3/4	3-1/4	.137	2.750 +.000 -.003	3.249 +.000 -.002	3.250 +.003 +.000
PRC250-03.000	3	3-1/2	.137	3.000 +.000 -.003	3.499 +.000 -.002	3.500 +.003 +.000
PRC250-03.250	3-1/4	3-3/4	.137	3.250 +.000 -.003	3.749 +.000 -.002	3.750 +.003 +.000
PRC250-03.500	3-1/2	4	.137	3.500 +.000 -.003	3.999 +.000 -.002	4.000 +.003 +.000
PRC250-04.000	4	4-1/2	.137	4.000 +.000 -.003	4.499 +.000 -.002	4.500 +.003 +.000
PRC250-04.250	4-1/4	4-3/4	.137	4.250 +.000 -.003	4.749 +.000 -.002	4.750 +.003 +.000
PRC250-04.500	4-1/2	5	.137	4.500 +.000 -.003	4.999 +.000 -.002	5.000 +.003 +.000
PRC250-05.000	5	5-1/2	.137	5.000 +.000 -.003	5.499 +.000 -.002	5.500 +.003 +.000
PRC250-05.500	5-1/2	6	.137	5.500 +.000 -.003	5.999 +.000 -.002	6.000 +.003 +.000
PRC250-06.000	6	6-1/2	.137	6.000 +.000 -.003	6.499 +.000 -.002	6.500 +.003 +.000
PRC250-06.500	6-1/2	7	.137	6.500 +.000 -.003	6.999 +.000 -.002	7.000 +.003 +.000
5/16" C/S						
PRC312-02.375	2-3/8	3	.165	2.375 +.000 -.004	2.998 +.000 -.002	3.000 +.003 +.000
PRC312-03.375	3-3/8	4	.165	3.375 +.000 -.004	3.998 +.000 -.002	4.000 +.003 +.000
PRC312-04.375	4-3/8	5	.165	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
3/8" C/S						
PRC375-02.750	2-3/4	3-1/2	.207	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
PRC375-03.250	3-1/4	4	.207	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
PRC375-03.750	3-3/4	4-1/2	.207	3.750 +.000 -.005	4.498 +.000 -.002	4.500 +.004 +.000
PRC375-04.250	4-1/4	5	.207	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
PRC375-05.250	5-1/4	6	.207	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
PRC375-05.500	5-1/2	6-1/4	.207	5.500 +.000 -.005	6.248 +.000 -.002	6.250 +.004 +.000
PRC375-06.250	6-1/4	7	.207	6.250 +.000 -.005	6.998 +.000 -.002	7.000 +.004 +.000
PRC375-07.250	7-1/4	8	.207	7.250 +.000 -.005	7.998 +.000 -.002	8.000 +.004 +.000
1/2" C/S						
PRC500-08.000	8	9	.275	8.000 +.000 -.007	8.998 +.000 -.003	9.000 +.005 +.000
PRC500-09.000	9	10	.275	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000

STYLE UFN-P SYMMETRICAL PLAIN SEALS

Incorporating a rubber seal lip and a rubberized fabric heel, this seal provides excellent sealability and high strength.

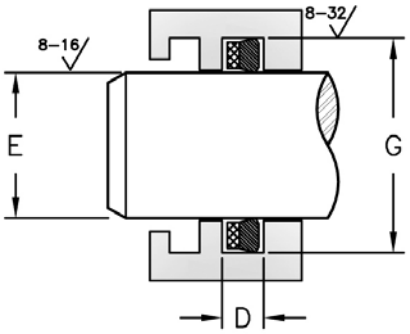


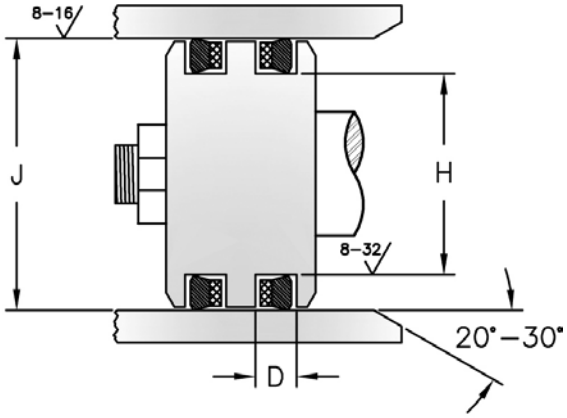
PART NUMBERS

UFN 12 - 0.50 - 18P

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	RUBBER & FABRIC
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 2,900 PSI
SPEED	1.5 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
1/8" C/S								
UFN12-0.50-18P	1/2	3/4	3/16	.202 +.010 +.000	.500 -.001 -.002	.750 ±.003	.500 ±.002	.750 +.003 +.000
UFN12-0.62-18P	5/8	7/8	3/16	.202 +.010 +.000	.625 -.001 -.002	.875 ±.003	.625 ±.002	.875 +.003 +.000
UFN12-0.75-18P	3/4	1	3/16	.202 +.010 +.000	.750 -.001 -.002	1.000 ±.003	.750 ±.003	1.000 +.003 +.000
UFN12-0.87-15P	7/8	1-1/8	5/32	.171 +.010 +.000	.875 -.001 -.002	1.125 ±.003	.875 ±.003	1.125 +.003 +.000
UFN12-1.00-18P	1	1-1/4	3/16	.202 +.010 +.000	1.000 -.001 -.002	1.250 ±.003	1.000 ±.003	1.250 +.004 +.000
UFN12-1.12-18P	1-1/8	1-3/8	3/16	.202 +.010 +.000	1.125 -.001 -.002	1.375 ±.003	1.125 ±.003	1.375 +.004 +.000
UFN12-1.25-18P	1-1/4	1-1/2	3/16	.202 +.010 +.000	1.250 -.001 -.003	1.500 ±.003	1.250 ±.003	1.500 +.004 +.000
UFN12-1.50-18P	1-1/2	1-3/4	3/16	.202 +.010 +.000	1.500 -.001 -.003	1.750 ±.003	1.500 ±.003	1.750 +.004 +.000
5/32" C/S								
UFN16-0.18-25P	3/16	1/2	1/4	.265 +.010 +.000	.187 +.000 -.001	.500 ±.002	.187 ±.001	.500 +.003 +.000
UFN15-0.25-25P	1/4	9/16	1/4	.265 +.010 +.000	.250 -.001 -.001	.563 ±.002	.250 ±.002	.563 +.003 +.000
UFN15-0.31-25P	5/16	5/8	1/4	.265 +.010 +.000	.312 -.001 -.001	.625 ±.002	.312 ±.002	.625 +.003 +.000
3/16" C/S								

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE UFN-P SYMMETRICAL PLAIN SEALS

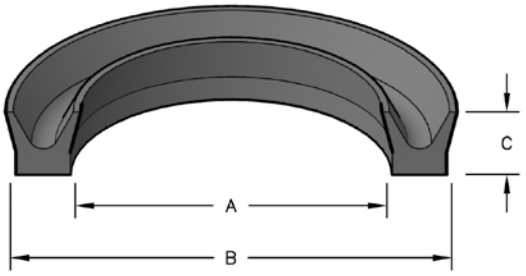
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
UFN18-0.50-28P	1/2	7/8	9/32	.296 +.010 +.000	.500 -.001 -.002	.875 ±.003	.500 ±.002	.875 +.003 +.000
UFN18-0.62-28P	5/8	1	9/32	.296 +.010 +.000	.625 -.001 -.002	1.000 ±.003	.625 ±.002	1.000 +.003 +.000
UFN18-0.87-37P	7/8	1-1/4	3/8	.390 +.010 +.000	.875 -.001 -.002	1.250 ±.003	.875 ±.003	1.250 +.004 +.000
UFN18-1.00-25P	1	1-3/8	1/4	.265 +.010 +.000	1.000 -.001 -.002	1.375 ±.003	1.000 ±.003	1.375 +.004 +.000
UFN18-1.37-28P	1-3/8	1-3/4	9/32	.296 +.010 +.000	1.375 -.001 -.003	1.750 ±.003	1.375 ±.003	1.750 +.004 +.000
UFN18-1.50-17P	1-1/2	1-7/8	11/64	.187 +.010 +.000	1.500 -.001 -.003	1.875 ±.003	1.500 ±.003	1.875 +.004 +.000
UFN18-1.50-25P	1-1/2	1-7/8	1/4	.265 +.010 +.000	1.500 -.001 -.003	1.875 ±.003	1.500 ±.003	1.875 +.004 +.000
UFN18-1.75-17P	1-3/4	2-1/8	11/64	.187 +.010 +.000	1.750 -.001 -.003	2.125 ±.004	1.750 ±.003	2.125 +.005 +.000
UFN18-1.75-28P	1-3/4	2-1/8	9/32	.296 +.010 +.000	1.750 -.001 -.003	2.125 ±.004	1.750 ±.003	2.125 +.005 +.000
UFN18-2.25-25P	2-1/4	2-5/8	1/4	.265 +.010 +.000	2.250 -.001 -.003	2.625 ±.004	2.250 ±.004	2.625 +.005 +.000
UFN18-3.00-31P	3	3-3/8	5/16	.327 +.010 +.000	3.000 -.001 -.003	3.375 ±.004	3.000 ±.004	3.375 +.006 +.000
7/32" C/S								
UFN22-0.56-28P	9/16	1	9/32	.296 +.010 +.000	.562 -.001 -.002	1.000 ±.003	.562 ±.002	1.000 +.003 +.000
1/4" C/S								
UFN25-0.62-37P	5/8	1-1/8	3/8	.390 +.010 +.000	.625 -.001 -.002	1.125 ±.003	.625 ±.002	1.125 +.003 +.000
UFN25-0.75-31P	3/4	1-1/4	5/16	.327 +.010 +.000	.750 -.001 -.002	1.250 ±.003	.750 ±.003	1.250 +.004 +.000
UFN25-0.87-37P	7/8	1-3/8	3/8	.390 +.010 +.000	.875 -.001 -.002	1.375 ±.003	.875 ±.003	1.375 +.004 +.000
UFN25-1.12-37P	1-1/8	1-5/8	3/8	.390 +.010 +.000	1.125 -.001 -.002	1.625 ±.003	1.125 ±.003	1.625 +.004 +.000
UFN25-1.25-37P	1-1/4	1-3/4	3/8	.390 +.010 +.000	1.250 -.001 -.003	1.750 ±.003	1.250 ±.003	1.750 +.004 +.000
UFN25-1.50-28P	1-1/2	2	9/32	.296 +.010 +.000	1.500 -.001 -.003	2.000 ±.004	1.500 ±.003	2.000 +.005 +.000
UFN25-1.50-37P	1-1/2	2	3/8	.390 +.010 +.000	1.500 -.001 -.003	2.000 ±.004	1.500 ±.003	2.000 +.005 +.000
UFN25-1.75-37P	1-3/4	2-1/4	3/8	.390 +.010 +.000	1.750 -.001 -.003	2.250 ±.004	1.750 ±.003	2.250 +.005 +.000
UFN25-2.00-31P	2	2-1/2	5/16	.327 +.010 +.000	2.000 -.001 -.003	2.500 ±.004	2.000 ±.004	2.500 +.005 +.000
UFN25-2.00-37P	2	2-1/2	3/8	.390 +.010 +.000	2.000 -.001 -.003	2.500 ±.004	2.000 ±.004	2.500 +.005 +.000
UFN25-3.00-37P	3	3-1/2	3/8	.390 +.010 +.000	3.000 -.001 -.003	3.500 ±.004	3.000 ±.004	3.500 +.006 +.000
5/16" C/S								
UFN31-0.87-37P	7/8	1-1/2	3/8	.390 +.010 +.000	.875 -.001 -.002	1.500 ±.003	.875 ±.003	1.500 +.004 +.000
UFN31-1.12-43P	1-1/8	1-3/4	7/16	.452 +.010 +.000	1.125 -.001 -.002	1.750 ±.003	1.125 ±.003	1.750 +.004 +.000
UFN31-1.25-43P	1-1/4	1-7/8	7/16	.452 +.010 +.000	1.250 -.001 -.003	1.875 ±.003	1.250 ±.003	1.875 +.004 +.000
UFN31-1.37-37P	1-3/8	2	3/8	.390 +.010 +.000	1.375 -.001 -.003	2.000 ±.004	1.375 ±.003	2.000 +.005 +.000
UFN31-1.37-43P	1-3/8	2	7/16	.452 +.010 +.000	1.375 -.001 -.003	2.000 ±.004	1.375 ±.003	2.000 +.005 +.000
UFN31-1.50-31P	1-1/2	2-1/8	5/16	.327 +.010 +.000	1.500 -.001 -.003	2.125 ±.004	1.500 ±.003	2.125 +.005 +.000
UFN31-1.62-43P	1-5/8	2-1/4	7/16	.452 +.010 +.000	1.625 -.001 -.003	2.250 ±.004	1.625 ±.003	2.250 +.005 +.000
UFN31-1.75-43P	1-3/4	2-3/8	7/16	.452 +.010 +.000	1.750 -.001 -.003	2.375 ±.004	1.750 ±.003	2.375 +.005 +.000

STYLE UFN-P SYMMETRICAL PLAIN SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
UFN31-1.87-37P	1-7/8	2-1/2	3/8	.390 +.010 +.000	1.875 -.001 -.003	2.500 ±.004	1.875 ±.003	2.500 +.005 +.000
UFN31-1.87-43P	1-7/8	2-1/2	7/16	.452 +.010 +.000	1.875 -.001 -.003	2.500 ±.004	1.875 ±.003	2.500 +.005 +.000
UFN31-2.00-43P	2	2-5/8	7/16	.452 +.010 +.000	2.000 -.001 -.003	2.625 ±.004	2.000 ±.004	2.625 +.005 +.000
11/32" C/S								
UFN34-1.50-43P	1-1/2	2-3/16	7/16	.453 +.010 +.000	1.500 -.001 -.003	2.188 ±.004	1.500 ±.003	2.188 +.005 +.000
3/8" C/S								
UFN37-1.50-47P	1-1/2	2-1/4	15/32	.483 +.010 +.000	1.500 -.001 -.003	2.250 ±.004	1.500 ±.003	2.250 +.005 +.000
UFN37-1.75-50P	1-3/4	2-1/2	1/2	.515 +.010 +.000	1.750 -.001 -.003	2.500 ±.004	1.750 ±.003	2.500 +.005 +.000
UFN37-2.00-56P	2	2-3/4	9/16	.577 +.010 +.000	2.000 -.001 -.003	2.750 ±.004	2.000 ±.004	2.750 +.005 +.000
UFN37-2.25-37P	2-1/4	3	3/8	.390 +.010 +.000	2.250 -.001 -.003	3.000 ±.004	2.250 ±.004	3.000 +.005 +.000
UFN37-2.25-50P	2-1/4	3	1/2	.515 +.010 +.000	2.250 -.001 -.003	3.000 ±.004	2.250 ±.004	3.000 +.005 +.000
UFN37-2.25-56P	2-1/4	3	9/16	.577 +.010 +.000	2.250 -.001 -.003	3.000 ±.004	2.250 ±.004	3.000 +.005 +.000
UFN37-2.50-56P	2-1/2	3-1/4	9/16	.577 +.010 +.000	2.500 -.001 -.003	3.250 ±.004	2.500 ±.004	3.250 +.006 +.000
UFN37-2.75-56P	2-3/4	3-1/2	9/16	.577 +.010 +.000	2.750 -.001 -.003	3.500 ±.004	2.750 ±.004	3.500 +.006 +.000
UFN37-3.00-50P	3	3-3/4	1/2	.515 +.010 +.000	3.000 -.001 -.003	3.750 ±.004	3.000 ±.004	3.750 +.006 +.000
UFN37-3.00-56P	3	3-3/4	9/16	.577 +.010 +.000	3.000 -.001 -.003	3.750 ±.004	3.000 ±.004	3.750 +.006 +.000
UFN37-3.25-50P	3-1/4	4	1/2	.515 +.010 +.000	3.250 -.001 -.004	4.000 ±.004	3.250 ±.004	4.000 +.006 +.000
UFN37-3.25-56P	3-1/4	4	9/16	.577 +.010 +.000	3.250 -.001 -.004	4.000 ±.004	3.250 ±.004	4.000 +.006 +.000
UFN37-3.50-56P	3-1/2	4-1/4	9/16	.577 +.010 +.000	3.500 -.001 -.004	4.250 ±.004	3.500 ±.004	4.250 +.006 +.000
1/2" C/S								
UFN50-3.00-62P	3	4	5/8	.640 +.010 +.000	3.000 -.001 -.003	4.000 ±.004	3.000 ±.004	4.000 +.006 +.000
UFN50-4.00-75P	4	5	3/4	.765 +.010 +.000	4.000 -.001 -.004	5.000 ±.005	4.000 ±.004	5.000 +.006 +.000
UFN50-6.00-75P	6	7	3/4	.765 +.010 +.000	6.000 -.002 -.004	7.000 ±.005	6.000 ±.005	7.000 +.006 +.000

STYLE 870 HOMOGENEOUS U-SEALS

Style 870 u-seals are precision molded from Buna-N synthetic rubber. Style 870 u-seal numbers conform in size to Army-Navy specification AN6226.

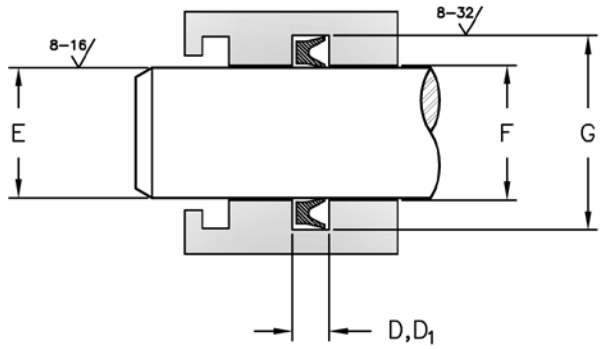


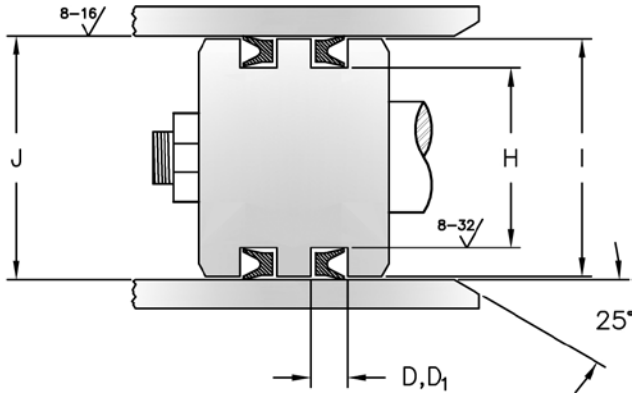
PART NUMBERS

870 - 006

Type of Seal — AN Dash Number

SEAL INFORMATION	
MATERIAL	70A BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	0 TO 500 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
870-006	1/8	1/4	1/16	.094 +.010 +.000	.156 ±.010	.125 +.000 -.001	.126 +.001 +.000	.250 +.001 +.000	.125 +.000 -.001	.249 +.000 -.001	.250 +.002 +.000
870-41	1/8	3/8	1/8	.156 +.010 +.000	.218 ±.010	.125 +.000 -.001	.127 +.002 +.000	.375 +.002 +.000	.125 +.000 -.001	.373 +.000 -.002	.375 +.003 +.000
870-01	1/8	1/2	3/16	.218 +.010 +.000	.280 ±.010	.125 +.000 -.001	.126 +.002 +.000	.500 +.002 +.000	.125 +.000 -.004	.498 +.000 -.001	.500 +.003 +.000
870-42	3/16	7/16	1/8	.156 +.010 +.000	.218 ±.010	.187 +.000 -.001	.189 +.002 +.000	.438 +.002 +.000	.187 +.000 -.001	.435 +.000 -.002	.438 +.003 +.000
870-02	3/16	9/16	3/16	.218 +.010 +.000	.280 ±.010	.187 +.000 -.001	.188 +.002 +.000	.563 +.002 +.000	.187 +.000 -.004	.560 +.000 -.001	.563 +.003 +.000
870-43	1/4	1/2	1/8	.156 +.010 +.000	.218 ±.010	.250 +.000 -.001	.252 +.002 +.000	.500 +.002 +.000	.250 +.000 -.001	.498 +.000 -.002	.500 +.003 +.000
870-03	1/4	5/8	3/16	.218 +.010 +.000	.280 ±.010	.250 +.000 -.001	.251 +.002 +.000	.625 +.002 +.000	.250 +.000 -.004	.623 +.000 -.001	.625 +.003 +.000
870-08	1/4	3/4	1/4	.281 +.010 +.000	.343 ±.010	.250 +.000 -.002	.251 +.003 +.000	.750 +.003 +.000	.250 +.000 -.003	.748 +.000 -.001	.750 +.003 +.000
870-44	5/16	9/16	1/8	.156 +.010 +.000	.218 ±.010	.312 +.000 -.001	.314 +.002 +.000	.563 +.002 +.000	.312 +.000 -.001	.560 +.000 -.002	.563 +.003 +.000
870-04	5/16	11/16	3/16	.218 +.010 +.000	.280 ±.010	.312 +.000 -.001	.313 +.002 +.000	.688 +.002 +.000	.312 +.000 -.004	.685 +.000 -.001	.688 +.003 +.000
870-09	5/16	13/16	1/4	.281 +.010 +.000	.343 ±.010	.312 +.000 -.002	.313 +.003 +.000	.813 +.003 +.000	.312 +.000 -.003	.810 +.000 -.001	.813 +.003 +.000
870-45	3/8	5/8	1/8	.156 +.010 +.000	.218 ±.010	.375 +.000 -.001	.377 +.002 +.000	.625 +.002 +.000	.375 +.000 -.001	.623 +.000 -.002	.625 +.003 +.000
870-05	3/8	3/4	3/16	.218 +.010 +.000	.280 ±.010	.375 +.000 -.001	.376 +.002 +.000	.750 +.002 +.000	.375 +.000 -.004	.748 +.000 -.001	.750 +.003 +.000

STYLE 870 HOMOGENEOUS U-SEALS

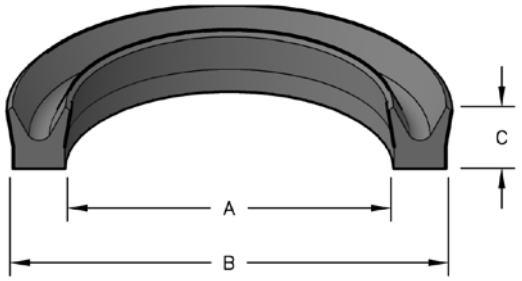
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
870-10	3/8	7/8	1/4	.281 +.010 +.000	.343 ±.010	.375 +.000 -.002	.376 +.003 +.000	.875 +.003 +.000	.375 +.000 -.003	.873 +.000 -.001	.875 +.003 +.000
870-46	7/16	11/16	1/8	.156 +.010 +.000	.218 ±.010	.437 +.000 -.001	.439 +.002 +.000	.688 +.002 +.000	.437 +.000 -.001	.685 +.000 -.002	.688 +.003 +.000
870-06	7/16	13/16	3/16	.218 +.010 +.000	.280 ±.010	.437 +.000 -.001	.438 +.002 +.000	.813 +.002 +.000	.437 +.000 -.004	.810 +.000 -.001	.813 +.003 +.000
870-11	7/16	15/16	1/4	.281 +.010 +.000	.343 ±.010	.437 +.000 -.002	.438 +.003 +.000	.938 +.003 +.000	.437 +.000 -.003	.935 +.000 -.001	.938 +.003 +.000
870-47	1/2	3/4	1/8	.156 +.010 +.000	.218 ±.010	.500 +.000 -.001	.502 +.002 +.000	.750 +.002 +.000	.500 +.000 -.001	.748 +.000 -.002	.750 +.003 +.000
870-07	1/2	7/8	3/16	.218 +.010 +.000	.280 ±.010	.500 +.000 -.001	.501 +.002 +.000	.875 +.002 +.000	.500 +.000 -.004	.873 +.000 -.001	.875 +.003 +.000
870-12	1/2	1	1/4	.281 +.010 +.000	.343 ±.010	.500 +.000 -.002	.501 +.003 +.000	1.000 +.003 +.000	.500 +.000 -.003	.998 +.000 -.001	1.000 +.003 +.000
870-13	9/16	1-1/16	1/4	.281 +.010 +.000	.343 ±.010	.562 +.000 -.002	.563 +.003 +.000	1.063 +.003 +.000	.562 +.000 -.003	1.060 +.000 -.001	1.063 +.003 +.000
870-48	5/8	1	3/16	.218 +.010 +.000	.280 ±.010	.625 +.000 -.001	.627 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.004	.998 +.000 -.002	1.000 +.003 +.000
870-14	5/8	1-1/8	1/4	.281 +.010 +.000	.343 ±.010	.625 +.000 -.002	.626 +.003 +.000	1.125 +.003 +.000	.625 +.000 -.003	1.123 +.000 -.001	1.125 +.003 +.000
870-15	11/16	1-3/16	1/4	.281 +.010 +.000	.343 ±.010	.687 +.000 -.002	.688 +.003 +.000	1.188 +.003 +.000	.687 +.000 -.003	1.185 +.000 -.001	1.188 +.003 +.000
870-49	3/4	1-1/8	3/16	.218 +.010 +.000	.280 ±.010	.750 +.000 -.001	.752 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.004	1.123 +.000 -.002	1.125 +.003 +.000
870-16	3/4	1-1/4	1/4	.281 +.010 +.000	.343 ±.010	.750 +.000 -.002	.751 +.003 +.000	1.250 +.003 +.000	.750 +.000 -.003	1.248 +.000 -.001	1.250 +.003 +.000
870-17	13/16	1-5/16	1/4	.281 +.010 +.000	.343 ±.010	.812 +.000 -.002	.813 +.003 +.000	1.313 +.003 +.000	.812 +.000 -.003	1.310 +.000 -.001	1.313 +.003 +.000
870-50	7/8	1-1/4	3/16	.218 +.010 +.000	.280 ±.010	.875 +.000 -.001	.877 +.002 +.000	1.250 +.002 +.000	.875 +.000 -.004	1.248 +.000 -.002	1.250 +.003 +.000
870-18	7/8	1-3/8	1/4	.281 +.010 +.000	.343 ±.010	.875 +.000 -.002	.876 +.003 +.000	1.375 +.003 +.000	.875 +.000 -.003	1.373 +.000 -.001	1.375 +.003 +.000
870-19	15/16	1-7/16	1/4	.281 +.010 +.000	.343 ±.010	.937 +.000 -.002	.938 +.003 +.000	1.438 +.003 +.000	.937 +.000 -.003	1.435 +.000 -.001	1.438 +.003 +.000
870-51	1	1-3/8	3/16	.218 +.010 +.000	.280 ±.010	1.000 +.000 -.001	1.002 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.004	1.373 +.000 -.001	1.375 +.003 +.000
870-20	1	1-1/2	1/4	.281 +.010 +.000	.343 ±.010	1.000 +.000 -.002	1.001 +.003 +.000	1.500 +.003 +.000	1.000 +.000 -.003	1.498 +.000 -.001	1.500 +.003 +.000
870-21	1-1/16	1-9/16	1/4	.281 +.010 +.000	.343 ±.010	1.062 +.000 -.002	1.063 +.003 +.000	1.563 +.003 +.000	1.062 +.000 -.003	1.560 +.000 -.001	1.563 +.003 +.000
870-52	1-1/8	1-1/2	3/16	.218 +.010 +.000	.280 ±.010	1.125 +.000 -.001	1.127 +.002 +.000	1.500 +.002 +.000	1.125 +.000 -.004	1.498 +.000 -.001	1.500 +.003 +.000
870-22	1-1/8	1-5/8	1/4	.281 +.010 +.000	.343 ±.010	1.125 +.000 -.002	1.126 +.003 +.000	1.625 +.003 +.000	1.125 +.000 -.003	1.623 +.000 -.001	1.625 +.003 +.000
870-23	1-3/16	1-11/16	1/4	.281 +.010 +.000	.343 ±.010	1.187 +.000 -.002	1.188 +.003 +.000	1.688 +.003 +.000	1.187 +.000 -.003	1.685 +.000 -.001	1.688 +.003 +.000
870-53	1-1/4	1-5/8	3/16	.218 +.010 +.000	.280 ±.010	1.250 +.000 -.001	1.252 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.004	1.623 +.000 -.001	1.625 +.003 +.000
870-24	1-1/4	1-3/4	1/4	.281 +.010 +.000	.343 ±.010	1.250 +.000 -.002	1.251 +.003 +.000	1.750 +.003 +.000	1.250 +.000 -.003	1.748 +.000 -.001	1.750 +.003 +.000
870-25	1-1/4	1-7/8	5/16	.344 +.010 +.000	.406 ±.010	1.250 +.000 -.002	1.252 +.003 +.000	1.875 +.004 +.000	1.250 +.000 -.004	1.873 +.000 -.002	1.875 +.003 +.000
870-26	1-3/8	2	5/16	.344 +.010 +.000	.406 ±.010	1.375 +.000 -.002	1.377 +.003 +.000	2.000 +.004 +.000	1.375 +.000 -.004	1.998 +.000 -.001	2.000 +.003 +.000
870-27	1-1/2	2-1/8	5/16	.344 +.010 +.000	.406 ±.010	1.500 +.000 -.002	1.502 +.003 +.000	2.125 +.004 +.000	1.500 +.000 -.004	2.123 +.000 -.001	2.125 +.003 +.000
870-28	1-5/8	2-1/4	5/16	.344 +.010 +.000	.406 ±.010	1.625 +.000 -.002	1.627 +.003 +.000	2.250 +.004 +.000	1.625 +.000 -.004	2.248 +.000 -.001	2.250 +.003 +.000
870-29	1-3/4	2-3/8	5/16	.344 +.010 +.000	.406 ±.010	1.750 +.000 -.002	1.752 +.003 +.000	2.375 +.004 +.000	1.750 +.000 -.004	2.373 +.000 -.001	2.375 +.003 +.000
870-30	1-7/8	2-1/2	5/16	.344 +.010 +.000	.406 ±.010	1.875 +.000 -.002	1.877 +.003 +.000	2.500 +.004 +.000	1.875 +.000 -.004	2.498 +.000 -.001	2.500 +.003 +.000
870-2X2-3/8	2	2-3/8	3/16	.218 +.010 +.000	.280 ±.010	2.000 +.000 -.001	2.002 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.004	2.373 +.000 -.002	2.375 +.003 +.000

STYLE 870 HOMOGENEOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
870-31	2	2-5/8	5/16	.344 +.010 +.000	.406 ±.010	2.000 +.000 -.002	2.002 +.003 +.000	2.625 +.004 +.000	2.000 +.000 -.004	2.623 +.000 -.001	2.625 +.003 +.000
870-32	2-1/8	2-3/4	5/16	.344 +.010 +.000	.406 ±.010	2.125 +.000 -.002	2.127 +.003 +.000	2.750 +.004 +.000	2.125 +.000 -.004	2.748 +.000 -.001	2.750 +.003 +.000
870-33	2-1/4	2-7/8	5/16	.344 +.010 +.000	.406 ±.010	2.250 +.000 -.002	2.252 +.003 +.000	2.875 +.004 +.000	2.250 +.000 -.004	2.873 +.000 -.001	2.875 +.003 +.000
870-34	2-3/8	3	5/16	.344 +.010 +.000	.406 ±.010	2.375 +.000 -.002	2.377 +.003 +.000	3.000 +.004 +.000	2.375 +.000 -.004	2.998 +.000 -.001	3.000 +.003 +.000
870-134	2-1/2	3	1/4	.281 +.010 +.000	.343 ±.010	2.500 +.000 -.002	2.502 +.003 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.998 +.000 -.002	3.000 +.003 +.000
870-35	2-1/2	3-1/8	5/16	.344 +.010 +.000	.406 ±.010	2.500 +.000 -.002	2.502 +.003 +.000	3.125 +.004 +.000	2.500 +.000 -.004	3.123 +.000 -.001	3.125 +.003 +.000
870-36	2-1/2	3-1/4	3/8	.406 +.010 +.000	.468 ±.010	2.500 +.000 -.002	2.502 +.004 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.001	3.250 +.004 +.000
870-2.62X3.12	2-5/8	3-1/8	1/4	.281 +.010 +.000	.343 ±.010	2.625 +.000 -.002	2.626 +.003 +.000	3.125 +.003 +.000	2.625 +.000 -.003	3.124 +.000 -.002	3.125 +.003 +.000
870-37	2-5/8	3-3/8	3/8	.406 +.010 +.000	.468 ±.010	2.625 +.000 -.002	2.627 +.004 +.000	3.375 +.005 +.000	2.625 +.000 -.005	3.373 +.000 -.001	3.375 +.004 +.000
870-38	2-3/4	3-1/2	3/8	.406 +.010 +.000	.468 ±.010	2.750 +.000 -.002	2.752 +.004 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.001	3.500 +.004 +.000
870-39	2-7/8	3-5/8	3/8	.406 +.010 +.000	.468 ±.010	2.875 +.000 -.002	2.877 +.004 +.000	3.625 +.005 +.000	2.875 +.000 -.005	3.623 +.000 -.001	3.625 +.004 +.000
870-40	3	3-3/4	3/8	.406 +.010 +.000	.468 ±.010	3.000 +.000 -.002	3.002 +.004 +.000	3.750 +.005 +.000	3.000 +.000 -.005	3.748 +.000 -.001	3.750 +.004 +.000
870-3.12X3.62	3-1/8	3-5/8	1/4	.281 +.010 +.000	.343 ±.010	3.125 +.000 -.002	3.126 +.003 +.000	3.625 +.003 +.000	3.125 +.000 -.003	3.624 +.000 -.002	3.625 +.003 +.000
870-60	3-1/4	4	3/8	.406 +.010 +.000	.468 ±.010	3.250 +.000 -.002	3.252 +.004 +.000	4.000 +.005 +.000	3.250 +.000 -.005	3.998 +.000 -.002	4.000 +.004 +.000
870-3.62X4.12	3-5/8	4-1/8	1/4	.281 +.010 +.000	.343 ±.010	3.625 +.000 -.002	3.626 +.003 +.000	4.125 +.003 +.000	3.625 +.000 -.003	4.124 +.000 -.002	4.125 +.003 +.000
870-4.12X4.62	4-1/8	4-5/8	1/4	.281 +.010 +.000	.343 ±.010	4.125 +.000 -.002	4.126 +.003 +.000	4.625 +.003 +.000	4.125 +.000 -.003	4.624 +.000 -.002	4.625 +.003 +.000
870-65	4-1/4	5	3/8	.406 +.010 +.000	.468 ±.010	4.250 +.000 -.002	4.252 +.004 +.000	5.000 +.005 +.000	4.250 +.000 -.005	4.998 +.000 -.002	5.000 +.004 +.000
870-5.12X6	5-1/8	6	7/16	.469 +.010 +.000	.531 ±.010	5.125 +.000 -.003	5.127 +.004 +.000	6.000 +.006 +.000	5.125 +.000 -.006	5.998 +.000 -.002	6.000 +.005 +.000
870-5.2X6	5-1/4	6	3/8	.406 +.010 +.000	.468 ±.010	5.250 +.000 -.002	5.252 +.004 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.002	6.000 +.004 +.000
870-5.2X6X.50	5-1/4	6	1/2	.531 +.010 +.000	.593 ±.010	5.250 +.000 -.002	5.252 +.005 +.000	6.000 +.005 +.000	5.250 +.000 -.005	5.998 +.000 -.003	6.000 +.004 +.000
870-6X7X.5	6	7	1/2	.531 +.010 +.000	.593 ±.010	6.000 +.000 -.003	6.002 +.005 +.000	7.000 +.007 +.000	6.000 +.000 -.007	6.998 +.000 -.003	7.000 +.005 +.000
870-6.12X7	6-1/8	7	7/16	.469 +.010 +.000	.531 ±.010	6.125 +.000 -.003	6.127 +.004 +.000	7.000 +.006 +.000	6.125 +.000 -.006	6.998 +.000 -.002	7.000 +.005 +.000
870-6.2X7X.50	6-1/4	7	1/2	.531 +.010 +.000	.593 ±.010	6.250 +.000 -.002	6.252 +.005 +.000	7.000 +.005 +.000	6.250 +.000 -.005	6.998 +.000 -.003	7.000 +.004 +.000
870-80	7	8	1/2	.531 +.010 +.000	.593 ±.010	7.000 +.000 -.003	7.002 +.005 +.000	8.000 +.007 +.000	7.000 +.000 -.007	7.998 +.000 -.003	8.000 +.005 +.000
870-9X10	9	10	1/2	.531 +.010 +.000	.593 ±.010	9.000 +.000 -.003	9.002 +.005 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.003	10.000 +.005 +.000
870-90	11	12	1/2	.531 +.010 +.000	.593 ±.010	11.000 +.000 -.003	11.002 +.005 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.003	12.000 +.005 +.000
870-95	13	14	1/2	.531 +.010 +.000	.593 ±.010	13.000 +.000 -.003	13.002 +.005 +.000	14.000 +.007 +.000	13.000 +.000 -.007	13.998 +.000 -.003	14.000 +.005 +.000

STYLE HRU HOMOGENEOUS U-SEALS

Style HRU u-seals are precision molded from 80 Durometer Buna-N rubber. Sizes include those found in Army-Navy spec. AN6226 and narrow cross-section sizes found in J.I.C. cylinders and the popularly termed "Huva Cup".



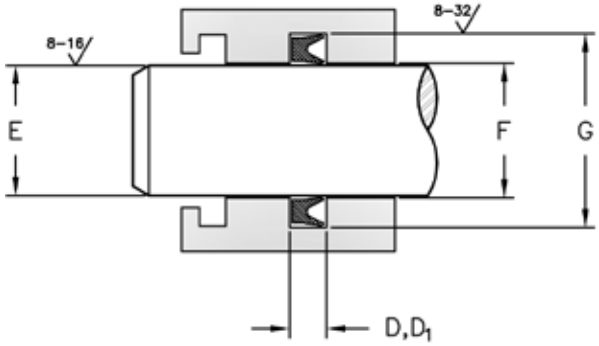
PART NUMBERS

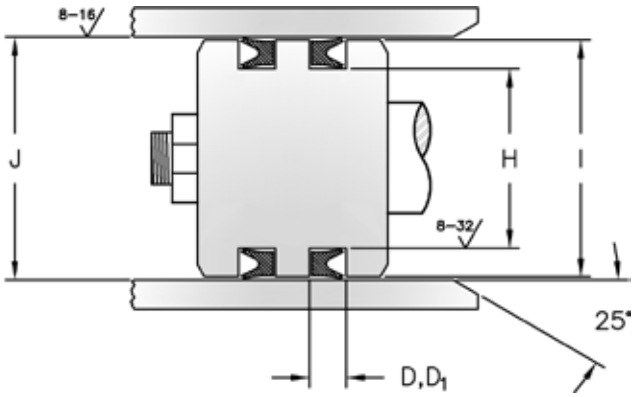
HRU 09 - 0.12 - 09

Type of Seal | Cross Section | Inside Diameter | Height

V= FLUOROCARBON

SEAL INFORMATION	
MATERIAL	80A BUNA-N RUBBER 90A FLUOROCARBON
TEMPERATURE RANGE	BUNA-N: -40° TO +250° F FC: -20° TO +400° F
PRESSURE RANGE	BUNA-N: 0 TO 1,250 PSI FC: 0 TO 2,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
3/32" C/S											
HRU09-0.12-09	1/8	5/16	3/32	.125 +.015 +.000	.188 ±.010	.125 +.000 -.001	.126 +.002 +.000	.313 +.002 +.000	.125 +.000 -.001	.310 +.000 -.001	.313 +.002 +.000
HRU09-0.18-09	3/16	3/8	3/32	.125 +.015 +.000	.188 ±.010	.187 +.000 -.001	.188 +.002 +.000	.375 +.002 +.000	.187 +.000 -.001	.373 +.000 -.001	.375 +.002 +.000
HRU09-0.25-09	1/4	7/16	3/32	.125 +.015 +.000	.188 ±.010	.250 +.000 -.001	.251 +.002 +.000	.438 +.002 +.000	.250 +.000 -.001	.435 +.000 -.001	.438 +.002 +.000
HRU09-0.31-09	5/16	1/2	3/32	.125 +.015 +.000	.188 ±.010	.312 +.000 -.001	.313 +.002 +.000	.500 +.002 +.000	.312 +.000 -.001	.498 +.000 -.001	.500 +.002 +.000
HRU09-0.43-09	7/16	5/8	3/32	.125 +.015 +.000	.188 ±.010	.437 +.000 -.001	.438 +.002 +.000	.625 +.002 +.000	.437 +.000 -.001	.623 +.000 -.001	.625 +.002 +.000
HRU09-0.50-09	1/2	11/16	3/32	.125 +.015 +.000	.188 ±.010	.500 +.000 -.001	.501 +.002 +.000	.688 +.002 +.000	.500 +.000 -.001	.685 +.000 -.001	.688 +.002 +.000
HRU09-0.56-09	9/16	3/4	3/32	.125 +.015 +.000	.188 ±.010	.562 +.000 -.001	.563 +.002 +.000	.750 +.002 +.000	.562 +.000 -.001	.748 +.000 -.001	.750 +.002 +.000
HRU09-0.62-09	5/8	13/16	3/32	.125 +.015 +.000	.188 ±.010	.625 +.000 -.001	.626 +.002 +.000	.813 +.002 +.000	.625 +.000 -.001	.810 +.000 -.001	.813 +.002 +.000
HRU09-0.68-09	11/16	7/8	3/32	.125 +.015 +.000	.188 ±.010	.687 +.000 -.001	.688 +.002 +.000	.875 +.002 +.000	.687 +.000 -.001	.873 +.000 -.001	.875 +.002 +.000
HRU09-0.75-09	3/4	15/16	3/32	.125 +.015 +.000	.188 ±.010	.750 +.000 -.001	.751 +.002 +.000	.938 +.002 +.000	.750 +.000 -.001	.935 +.000 -.001	.938 +.002 +.000

STYLE HRU HOMOGENEOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S											
HRU12-0.18-12	3/16	7/16	1/8	.156 +.015 +.000	.219 ±.010	.187 +.000 -.001	.188 +.002 +.000	.438 +.002 +.000	.187 +.000 -.002	.435 +.000 -.001	.438 +.002 +.000
HRU12-0.25-12	1/4	1/2	1/8	.156 +.015 +.000	.219 ±.010	.250 +.000 -.001	.251 +.002 +.000	.500 +.002 +.000	.250 +.000 -.002	.498 +.000 -.001	.500 +.002 +.000
HRU12-0.37-12	3/8	5/8	1/8	.156 +.015 +.000	.219 ±.010	.375 +.000 -.001	.376 +.002 +.000	.625 +.002 +.000	.375 +.000 -.002	.623 +.000 -.001	.625 +.002 +.000
HRU12-0.43-12	7/16	11/16	1/8	.156 +.015 +.000	.219 ±.010	.437 +.000 -.001	.438 +.002 +.000	.688 +.002 +.000	.437 +.000 -.002	.685 +.000 -.001	.688 +.002 +.000
HRU12-0.50-12	1/2	3/4	1/8	.156 +.015 +.000	.219 ±.010	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.748 +.000 -.001	.750 +.002 +.000
HRU12-0.50-12V	1/2	3/4	1/8	.156 +.015 +.000	.219 ±.010	.500 +.000 -.001	.501 +.002 +.000	.750 +.002 +.000	.500 +.000 -.002	.748 +.000 -.001	.750 +.002 +.000
HRU12-0.56-12	9/16	13/16	1/8	.156 +.015 +.000	.219 ±.010	.562 +.000 -.001	.563 +.002 +.000	.813 +.002 +.000	.562 +.000 -.002	.810 +.000 -.001	.813 +.002 +.000
HRU12-0.62-12	5/8	7/8	1/8	.156 +.015 +.000	.219 ±.010	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.873 +.000 -.001	.875 +.002 +.000
HRU12-0.62-12V	5/8	7/8	1/8	.156 +.015 +.000	.219 ±.010	.625 +.000 -.001	.626 +.002 +.000	.875 +.002 +.000	.625 +.000 -.002	.873 +.000 -.001	.875 +.002 +.000
HRU12-0.68-12	11/16	15/16	1/8	.156 +.015 +.000	.219 ±.010	.687 +.000 -.001	.688 +.002 +.000	.938 +.002 +.000	.687 +.000 -.002	.935 +.000 -.001	.938 +.002 +.000
HRU12-0.75-12	3/4	1	1/8	.156 +.015 +.000	.219 ±.010	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
HRU12-0.75-12V	3/4	1	1/8	.156 +.015 +.000	.219 ±.010	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
HRU12-0.81-12	13/16	1-1/16	1/8	.156 +.015 +.000	.219 ±.010	.812 +.000 -.001	.813 +.002 +.000	1.063 +.002 +.000	.812 +.000 -.002	1.060 +.000 -.001	1.063 +.002 +.000
HRU12-0.87-12	7/8	1-1/8	1/8	.156 +.015 +.000	.219 ±.010	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.123 +.000 -.001	1.125 +.002 +.000
HRU12-0.87-12V	7/8	1-1/8	1/8	.156 +.015 +.000	.219 ±.010	.875 +.000 -.001	.876 +.002 +.000	1.125 +.002 +.000	.875 +.000 -.002	1.123 +.000 -.001	1.125 +.002 +.000
HRU12-1.00-12	1	1-1/4	1/8	.156 +.015 +.000	.219 ±.010	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.248 +.000 -.001	1.250 +.002 +.000
HRU12-1.00-12V	1	1-1/4	1/8	.156 +.015 +.000	.219 ±.010	1.000 +.000 -.001	1.001 +.002 +.000	1.250 +.002 +.000	1.000 +.000 -.002	1.248 +.000 -.001	1.250 +.002 +.000
HRU12-1.12-12	1-1/8	1-3/8	1/8	.156 +.015 +.000	.219 ±.010	1.125 +.000 -.001	1.126 +.002 +.000	1.375 +.002 +.000	1.125 +.000 -.002	1.373 +.000 -.001	1.375 +.002 +.000
HRU12-1.25-12	1-1/4	1-1/2	1/8	.156 +.015 +.000	.219 ±.010	1.250 +.000 -.001	1.251 +.002 +.000	1.500 +.002 +.000	1.250 +.000 -.002	1.498 +.000 -.001	1.500 +.002 +.000
HRU12-1.37-12	1-3/8	1-5/8	1/8	.156 +.015 +.000	.219 ±.010	1.375 +.000 -.001	1.376 +.002 +.000	1.625 +.002 +.000	1.375 +.000 -.002	1.623 +.000 -.001	1.625 +.002 +.000
HRU12-1.50-12	1-1/2	1-3/4	1/8	.156 +.015 +.000	.219 ±.010	1.500 +.000 -.001	1.501 +.002 +.000	1.750 +.002 +.000	1.500 +.000 -.002	1.748 +.000 -.001	1.750 +.002 +.000
HRU12-1.75-12	1-3/4	2	1/8	.156 +.015 +.000	.219 ±.010	1.750 +.000 -.001	1.751 +.002 +.000	2.000 +.002 +.000	1.750 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
HRU12-2.00-12	2	2-1/4	1/8	.156 +.015 +.000	.219 ±.010	2.000 +.000 -.001	2.001 +.002 +.000	2.250 +.002 +.000	2.000 +.000 -.002	2.248 +.000 -.002	2.250 +.002 +.000
5/32" C/S											
HRU15-0.50-15	1/2	13/16	5/32	.188 +.015 +.000	.250 ±.010	.500 +.000 -.001	.501 +.002 +.000	.813 +.002 +.000	.500 +.000 -.002	.810 +.000 -.001	.813 +.002 +.000
HRU15-0.68-15	11/16	1	5/32	.188 +.015 +.000	.250 ±.010	.687 +.000 -.001	.688 +.002 +.000	1.000 +.002 +.000	.687 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
HRU15-0.75-15	3/4	1-1/16	5/32	.188 +.015 +.000	.250 ±.010	.750 +.000 -.001	.751 +.002 +.000	1.063 +.002 +.000	.750 +.000 -.002	1.060 +.000 -.001	1.063 +.002 +.000
HRU15-0.93-15	15/16	1-1/4	5/32	.188 +.015 +.000	.250 ±.010	.937 +.000 -.001	.938 +.002 +.000	1.250 +.002 +.000	.937 +.000 -.002	1.248 +.000 -.001	1.250 +.002 +.000
HRU15-1.00-15	1	1-5/16	5/32	.188 +.015 +.000	.250 ±.010	1.000 +.000 -.001	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.310 +.000 -.001	1.313 +.002 +.000
HRU15-1.00-15V	1	1-5/16	5/32	.188 +.015 +.000	.250 ±.010	1.000 +.000 -.001	1.001 +.002 +.000	1.313 +.002 +.000	1.000 +.000 -.002	1.310 +.000 -.001	1.313 +.002 +.000
HRU15-1.06-15	1-1/16	1-3/8	5/32	.188 +.015 +.000	.250 ±.010	1.062 +.000 -.001	1.063 +.002 +.000	1.375 +.002 +.000	1.062 +.000 -.002	1.373 +.000 -.001	1.375 +.002 +.000
HRU15-1.18-15	1-3/16	1-1/2	5/32	.188 +.015 +.000	.250 ±.010	1.187 +.000 -.001	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.498 +.000 -.001	1.500 +.002 +.000

STYLE HRU HOMOGENEOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HRU15-1.18-15V	1-3/16	1-1/2	5/32	.188 +.015 +.000	.250 ±.010	1.187 +.000 -.001	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.498 +.000 -.001	1.500 +.002 +.000
HRU15-1.25-15	1-1/4	1-9/16	5/32	.188 +.015 +.000	.250 ±.010	1.250 +.000 -.001	1.251 +.002 +.000	1.563 +.002 +.000	1.250 +.000 -.002	1.560 +.000 -.001	1.563 +.002 +.000
HRU15-1.31-15	1-5/16	1-5/8	5/32	.188 +.015 +.000	.250 ±.010	1.312 +.000 -.001	1.313 +.002 +.000	1.625 +.002 +.000	1.312 +.000 -.002	1.623 +.000 -.001	1.625 +.002 +.000
HRU15-1.37-15	1-3/8	1-11/16	5/32	.188 +.015 +.000	.250 ±.010	1.375 +.000 -.001	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.685 +.000 -.001	1.688 +.002 +.000
HRU15-1.37-15V	1-3/8	1-11/16	5/32	.188 +.015 +.000	.250 ±.010	1.375 +.000 -.001	1.376 +.002 +.000	1.688 +.002 +.000	1.375 +.000 -.002	1.685 +.000 -.001	1.688 +.002 +.000
HRU15-1.43-15	1-7/16	1-3/4	5/32	.188 +.015 +.000	.250 ±.010	1.437 +.000 -.001	1.438 +.002 +.000	1.750 +.002 +.000	1.437 +.000 -.002	1.748 +.000 -.001	1.750 +.002 +.000
HRU15-1.50-15	1-1/2	1-13/16	5/32	.188 +.015 +.000	.250 ±.010	1.500 +.000 -.001	1.501 +.002 +.000	1.813 +.002 +.000	1.500 +.000 -.002	1.810 +.000 -.001	1.813 +.002 +.000
3/16" C/S											
HRU18-0.62-18	5/8	1	3/16	.218 +.015 +.000	.281 ±.010	.625 +.000 -.002	.626 +.002 +.000	1.000 +.002 +.000	.625 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
HRU18-0.75-18	3/4	1-1/8	3/16	.218 +.015 +.000	.281 ±.010	.750 +.000 -.002	.751 +.002 +.000	1.125 +.002 +.000	.750 +.000 -.002	1.123 +.000 -.001	1.125 +.002 +.000
HRU18-1.00-18	1	1-3/8	3/16	.218 +.015 +.000	.281 ±.010	1.000 +.000 -.002	1.001 +.002 +.000	1.375 +.002 +.000	1.000 +.000 -.002	1.373 +.000 -.001	1.375 +.002 +.000
HRU18-1.25-18	1-1/4	1-5/8	3/16	.218 +.015 +.000	.281 ±.010	1.250 +.000 -.002	1.251 +.002 +.000	1.625 +.002 +.000	1.250 +.000 -.002	1.623 +.000 -.001	1.625 +.002 +.000
HRU18-1.37-18	1-3/8	1-3/4	3/16	.218 +.015 +.000	.281 ±.010	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.748 +.000 -.001	1.750 +.002 +.000
HRU18-1.37-18V	1-3/8	1-3/4	3/16	.218 +.015 +.000	.281 ±.010	1.375 +.000 -.002	1.376 +.002 +.000	1.750 +.002 +.000	1.375 +.000 -.002	1.748 +.000 -.001	1.750 +.002 +.000
HRU18-1.50-18	1-1/2	1-7/8	3/16	.218 +.015 +.000	.281 ±.010	1.500 +.000 -.002	1.501 +.002 +.000	1.875 +.002 +.000	1.500 +.000 -.002	1.873 +.000 -.002	1.875 +.002 +.000
HRU18-1.62-18	1-5/8	2	3/16	.218 +.015 +.000	.281 ±.010	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
HRU18-1.62-18V	1-5/8	2	3/16	.218 +.015 +.000	.281 ±.010	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
HRU18-1.75-18	1-3/4	2-1/8	3/16	.218 +.015 +.000	.281 ±.010	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.123 +.000 -.002	2.125 +.002 +.000
HRU18-1.75-18V	1-3/4	2-1/8	3/16	.218 +.015 +.000	.281 ±.010	1.750 +.000 -.002	1.751 +.002 +.000	2.125 +.002 +.000	1.750 +.000 -.002	2.123 +.000 -.002	2.125 +.002 +.000
HRU18-1.87-18	1-7/8	2-1/4	3/16	.218 +.015 +.000	.281 ±.010	1.875 +.000 -.002	1.876 +.002 +.000	2.250 +.002 +.000	1.875 +.000 -.002	2.248 +.000 -.002	2.250 +.002 +.000
HRU18-2.00-18	2	2-3/8	3/16	.218 +.015 +.000	.281 ±.010	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.373 +.000 -.002	2.375 +.002 +.000
HRU18-2.00-18V	2	2-3/8	3/16	.218 +.015 +.000	.281 ±.010	2.000 +.000 -.002	2.001 +.002 +.000	2.375 +.002 +.000	2.000 +.000 -.002	2.373 +.000 -.002	2.375 +.002 +.000
HRU18-2.12-18	2-1/8	2-1/2	3/16	.218 +.015 +.000	.281 ±.010	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
HRU18-2.12-18V	2-1/8	2-1/2	3/16	.218 +.015 +.000	.281 ±.010	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
HRU18-2.25-18	2-1/4	2-5/8	3/16	.218 +.015 +.000	.281 ±.010	2.250 +.000 -.002	2.251 +.002 +.000	2.625 +.002 +.000	2.250 +.000 -.002	2.624 +.000 -.002	2.625 +.002 +.000
HRU18-2.37-18	2-3/8	2-3/4	3/16	.218 +.015 +.000	.281 ±.010	2.375 +.000 -.002	2.376 +.002 +.000	2.750 +.002 +.000	2.375 +.000 -.002	2.748 +.000 -.002	2.750 +.002 +.000
HRU18-2.50-18	2-1/2	2-7/8	3/16	.218 +.015 +.000	.281 ±.010	2.500 +.000 -.002	2.501 +.002 +.000	2.875 +.002 +.000	2.500 +.000 -.002	2.874 +.000 -.002	2.875 +.002 +.000
HRU18-2.62-18	2-5/8	3	3/16	.218 +.015 +.000	.281 ±.010	2.625 +.000 -.002	2.626 +.003 +.000	3.000 +.002 +.000	2.625 +.000 -.002	2.998 +.000 -.002	3.000 +.002 +.000
HRU18-2.87-18	2-7/8	3-1/4	3/16	.218 +.015 +.000	.281 ±.010	2.875 +.000 -.002	2.876 +.003 +.000	3.250 +.002 +.000	2.875 +.000 -.002	3.248 +.000 -.002	3.250 +.002 +.000
HRU18-3.00-18	3	3-3/8	3/16	.218 +.015 +.000	.281 ±.010	3.000 +.000 -.002	3.001 +.003 +.000	3.375 +.002 +.000	3.000 +.000 -.002	3.373 +.000 -.002	3.375 +.002 +.000
HRU18-3.25-18	3-1/4	3-5/8	3/16	.218 +.015 +.000	.281 ±.010	3.250 +.000 -.002	3.251 +.003 +.000	3.625 +.002 +.000	3.250 +.000 -.002	3.623 +.000 -.002	3.625 +.002 +.000
HRU18-3.37-18	3-3/8	3-3/4	3/16	.218 +.015 +.000	.281 ±.010	3.375 +.000 -.002	3.376 +.003 +.000	3.750 +.002 +.000	3.375 +.000 -.002	3.748 +.000 -.002	3.750 +.002 +.000

STYLE HRU HOMOGENEOUS U-SEALS

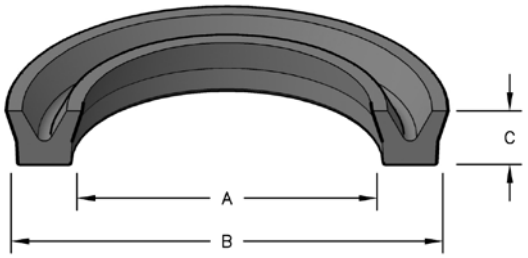
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
7/32" C/S											
HRU21-2.50-21	2-1/2	2-15/16	7/32	.250 +.015 +.000	.312 ±.010	2.500 +.000 -.002	2.501 +.002 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.935 +.000 -.002	2.938 +.002 +.000
HRU21-2.50-21V	2-1/2	2-15/16	7/32	.250 +.015 +.000	.312 ±.010	2.500 +.000 -.002	2.501 +.002 +.000	2.938 +.002 +.000	2.500 +.000 -.002	2.935 +.000 -.002	2.938 +.002 +.000
HRU21-2.56-21	2-9/16	3	7/32	.250 +.015 +.000	.312 ±.010	2.562 +.000 -.002	2.563 +.003 +.000	3.000 +.002 +.000	2.562 +.000 -.002	2.998 +.000 -.002	3.000 +.002 +.000
HRU21-2.75-21	2-3/4	3-3/16	7/32	.250 +.015 +.000	.312 ±.010	2.750 +.000 -.002	2.751 +.003 +.000	3.188 +.002 +.000	2.750 +.000 -.002	3.185 +.000 -.002	3.188 +.002 +.000
HRU21-2.81-21	2-13/16	3-1/4	7/32	.250 +.015 +.000	.312 ±.010	2.812 +.000 -.002	2.813 +.003 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.248 +.000 -.002	3.250 +.002 +.000
HRU21-2.81-21V	2-13/16	3-1/4	7/32	.250 +.015 +.000	.312 ±.010	2.812 +.000 -.002	2.813 +.003 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.248 +.000 -.002	3.250 +.002 +.000
HRU21-3.00-21	3	3-7/16	7/32	.250 +.015 +.000	.312 ±.010	3.000 +.000 -.002	3.001 +.003 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.435 +.000 -.002	3.438 +.002 +.000
HRU21-3.00-21V	3	3-7/16	7/32	.250 +.015 +.000	.312 ±.010	3.000 +.000 -.002	3.001 +.003 +.000	3.438 +.002 +.000	3.000 +.000 -.002	3.435 +.000 -.002	3.438 +.002 +.000
HRU21-3.06-21	3-1/16	3-1/2	7/32	.250 +.015 +.000	.312 ±.010	3.062 +.000 -.002	3.063 +.003 +.000	3.500 +.002 +.000	3.062 +.000 -.002	3.498 +.000 -.002	3.500 +.002 +.000
HRU21-3.31-21	3-5/16	3-3/4	7/32	.250 +.015 +.000	.312 ±.010	3.312 +.000 -.002	3.313 +.003 +.000	3.750 +.002 +.000	3.312 +.000 -.002	3.748 +.000 -.002	3.750 +.002 +.000
1/4" C/S											
HRU25-1.37-25	1-3/8	1-7/8	1/4	.281 +.015 +.000	.344 ±.010	1.375 +.000 -.002	1.376 +.002 +.000	1.875 +.003 +.000	1.375 +.000 -.003	1.873 +.000 -.002	1.875 +.003 +.000
HRU25-1.75-25	1-3/4	2-1/4	1/4	.281 +.015 +.000	.344 ±.010	1.750 +.000 -.002	1.751 +.002 +.000	2.250 +.003 +.000	1.750 +.000 -.003	2.248 +.000 -.002	2.250 +.003 +.000
HRU25-2.00-25	2	2-1/2	1/4	.281 +.015 +.000	.344 ±.010	2.000 +.000 -.002	2.001 +.002 +.000	2.500 +.003 +.000	2.000 +.000 -.003	2.498 +.000 -.002	2.500 +.003 +.000
HRU25-2.50-25	2-1/2	3	1/4	.281 +.015 +.000	.344 ±.010	2.500 +.000 -.002	2.501 +.002 +.000	3.000 +.003 +.000	2.500 +.000 -.003	2.998 +.000 -.002	3.000 +.003 +.000
HRU25-2.75-25	2-3/4	3-1/4	1/4	.281 +.015 +.000	.344 ±.010	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.248 +.000 -.002	3.250 +.003 +.000
HRU25-2.75-25V	2-3/4	3-1/4	1/4	.281 +.015 +.000	.344 ±.010	2.750 +.000 -.002	2.751 +.003 +.000	3.250 +.003 +.000	2.750 +.000 -.003	3.248 +.000 -.002	3.250 +.003 +.000
HRU25-3.50-25	3-1/2	4	1/4	.281 +.015 +.000	.344 ±.010	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.998 +.000 -.002	4.000 +.003 +.000
HRU25-3.50-25V	3-1/2	4	1/4	.281 +.015 +.000	.344 ±.010	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.998 +.000 -.002	4.000 +.003 +.000
HRU25-3.75-25	3-3/4	4-1/4	1/4	.281 +.015 +.000	.344 ±.010	3.750 +.000 -.002	3.751 +.003 +.000	4.250 +.003 +.000	3.750 +.000 -.003	4.248 +.000 -.002	4.250 +.003 +.000
HRU25-4.00-25	4	4-1/2	1/4	.281 +.015 +.000	.344 ±.010	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.498 +.000 -.002	4.500 +.003 +.000
HRU25-4.00-25V	4	4-1/2	1/4	.281 +.015 +.000	.344 ±.010	4.000 +.000 -.002	4.001 +.003 +.000	4.500 +.003 +.000	4.000 +.000 -.003	4.498 +.000 -.002	4.500 +.003 +.000
HRU25-4.50-25	4-1/2	5	1/4	.281 +.015 +.000	.344 ±.010	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HRU25-4.50-25V	4-1/2	5	1/4	.281 +.015 +.000	.344 ±.010	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HRU25-4.75-25	4-3/4	5-1/4	1/4	.281 +.015 +.000	.344 ±.010	4.750 +.000 -.002	4.751 +.003 +.000	5.250 +.003 +.000	4.750 +.000 -.003	5.248 +.000 -.002	5.250 +.003 +.000
HRU25-5.50-25	5-1/2	6	1/4	.281 +.015 +.000	.344 ±.010	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HRU25-5.50-25V	5-1/2	6	1/4	.281 +.015 +.000	.344 ±.010	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HRU25-5.50-37	5-1/2	6	3/8	.406 +.015 +.000	.469 ±.010	5.500 +.000 -.002	5.501 +.003 +.000	6.000 +.003 +.000	5.500 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
9/32" C/S											
HRU28-4.43-28	4-7/16	5	9/32	.312 +.015 +.000	.375 ±.010	4.437 +.000 -.002	4.438 +.003 +.000	5.000 +.003 +.000	4.437 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HRU28-4.43-28V	4-7/16	5	9/32	.312 +.015 +.000	.375 ±.010	4.437 +.000 -.002	4.438 +.003 +.000	5.000 +.003 +.000	4.437 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000

STYLE HRU HOMOGENEOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
HRU28-4.56-28	4-9/16	5-1/8	9/32	.312 +.015 +.000	.375 ±.010	4.562 +.000 -.002	4.563 +.003 +.000	5.125 +.003 +.000	4.562 +.000 -.003	5.123 +.000 -.002	5.125 +.003 +.000
HRU28-5.00-28	5	5-9/16	9/32	.312 +.015 +.000	.375 ±.010	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.560 +.000 -.003	5.563 +.003 +.000
HRU28-5.00-28V	5	5-9/16	9/32	.312 +.015 +.000	.375 ±.010	5.000 +.000 -.002	5.001 +.003 +.000	5.563 +.003 +.000	5.000 +.000 -.003	5.560 +.000 -.003	5.563 +.003 +.000
HRU28-5.43-28	5-7/16	6	9/32	.312 +.015 +.000	.375 ±.010	5.437 +.000 -.002	5.438 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HRU28-5.43-28V	5-7/16	6	9/32	.312 +.015 +.000	.375 ±.010	5.437 +.000 -.002	5.438 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HRU28-6.43-28	6-7/16	7	9/32	.312 +.015 +.000	.375 ±.010	6.437 +.000 -.002	6.438 +.003 +.000	7.000 +.003 +.000	6.437 +.000 -.003	6.998 +.000 -.003	7.000 +.003 +.000
5/16" C/S											
HRU31-2.87-31	2-7/8	3-1/2	5/16	.344 +.015 +.000	.406 ±.010	2.875 +.000 -.002	2.876 +.003 +.000	3.500 +.004 +.000	2.875 +.000 -.004	3.498 +.000 -.002	3.500 +.003 +.000
HRU31-4.37-31	4-3/8	5	5/16	.344 +.015 +.000	.406 ±.010	4.375 +.000 -.002	4.376 +.003 +.000	5.000 +.004 +.000	4.375 +.000 -.004	4.998 +.000 -.002	5.000 +.003 +.000
HRU31-5.37-31	5-3/8	6	5/16	.344 +.015 +.000	.406 ±.010	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.003	6.000 +.003 +.000
HRU31-5.37-31V	5-3/8	6	5/16	.344 +.015 +.000	.406 ±.010	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.003	6.000 +.003 +.000
HRU31-5.50-31	5-1/2	6-1/8	5/16	.344 +.015 +.000	.406 ±.010	5.500 +.000 -.002	5.501 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.003	6.125 +.003 +.000
HRU31-5.50-31V	5-1/2	6-1/8	5/16	.344 +.015 +.000	.406 ±.010	5.500 +.000 -.002	5.501 +.003 +.000	6.125 +.004 +.000	5.500 +.000 -.004	6.123 +.000 -.003	6.125 +.003 +.000
HRU31-6.37-31	6-3/8	7	5/16	.344 +.015 +.000	.406 ±.010	6.375 +.000 -.002	6.376 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.003	7.000 +.003 +.000
HRU31-6.37-31V	6-3/8	7	5/16	.344 +.015 +.000	.406 ±.010	6.375 +.000 -.002	6.376 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.003	7.000 +.003 +.000
HRU31-7.37-31	7-3/8	8	5/16	.344 +.015 +.000	.406 ±.010	7.375 +.000 -.002	7.376 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.004	8.000 +.003 +.000
HRU31-7.37-31V	7-3/8	8	5/16	.344 +.015 +.000	.406 ±.010	7.375 +.000 -.002	7.376 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.004	8.000 +.003 +.000
11/32" C/S											
HRU34-9.31-34	9-5/16	10	11/32	.375 +.015 +.000	.438 ±.010	9.312 +.000 -.002	9.314 +.004 +.000	10.000 +.004 +.000	9.312 +.000 -.004	9.998 +.000 -.004	10.000 +.003 +.000
HRU34-9.31-34V	9-5/16	10	11/32	.375 +.015 +.000	.438 ±.010	9.312 +.000 -.002	9.314 +.004 +.000	10.000 +.004 +.000	9.312 +.000 -.004	9.998 +.000 -.004	10.000 +.003 +.000
3/8" C/S											
HRU37-2.50-37	2-1/2	3-1/4	3/8	.406 +.015 +.000	.469 ±.010	2.500 +.000 -.002	2.501 +.002 +.000	3.250 +.005 +.000	2.500 +.000 -.005	3.248 +.000 -.002	3.250 +.004 +.000
HRU37-2.75-37	2-3/4	3-1/2	3/8	.406 +.015 +.000	.469 ±.010	2.750 +.000 -.002	2.751 +.003 +.000	3.500 +.005 +.000	2.750 +.000 -.005	3.498 +.000 -.002	3.500 +.004 +.000
HRU37-9.25-37	9-1/4	10	3/8	.406 +.015 +.000	.469 ±.010	9.250 +.000 -.002	9.252 +.004 +.000	10.000 +.005 +.000	9.250 +.000 -.005	9.998 +.000 -.004	10.000 +.004 +.000
HRU37-11.25-37	11-1/4	12	3/8	.406 +.015 +.000	.469 ±.010	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.004	12.000 +.004 +.000
13/32" C/S											
HRU40-13.18-40	13-3/16	14	13/32	.438 +.015 +.000	.500 ±.010	13.187 +.000 -.002	13.189 +.004 +.000	14.000 +.005 +.000	13.187 +.000 -.005	13.998 +.000 -.004	14.000 +.004 +.000
1/2" C/S											
HRU50-9.00-50	9	10	1/2	.531 +.015 +.000	.594 ±.010	9.000 +.000 -.003	9.002 +.004 +.000	10.000 +.007 +.000	9.000 +.000 -.007	9.998 +.000 -.004	10.000 +.005 +.000
HRU50-11.00-50	11	12	1/2	.531 +.015 +.000	.594 ±.010	11.000 +.000 -.003	11.002 +.004 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.004	12.000 +.005 +.000

STYLE HSU HOMOGENEOUS U-SEALS

Style HSU u-seals are precision molded from 90 Durometer Buna-N rubber or 90A Fluorocarbon (suffix "V") -- 90 Durometer Rubber for abrasion resistance and Fluorocarbon for heat resistance. These seals are commonly found in industrial cylinders as piston, rod and cushion seals.

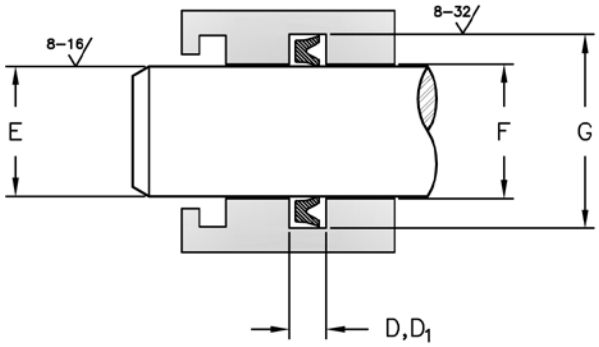


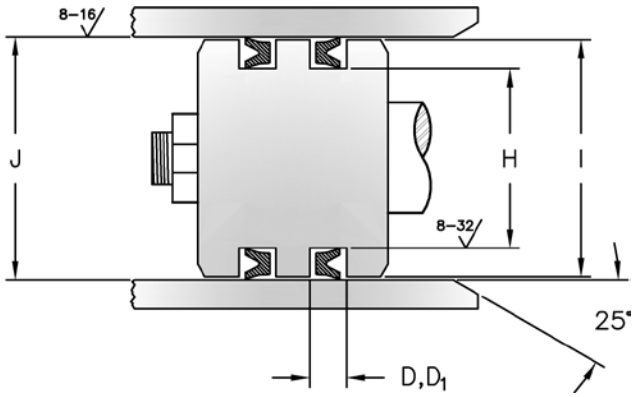
PART NUMBERS

HSU 12 - 0.75 - 90D

Type of Seal | Cross Section | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	90A BUNA-N RUBBER 90A FLUOROCARBON
TEMPERATURE RANGE	BUNA-N: -40° TO +250° F FC: -20° TO +400° F
PRESSURE RANGE	0 TO 2,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/8" C/S											
HSU12-0.75-12-90D	3/4	1	1/8	.156 +.015 +.000	.219 ±.010	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
HSU12-0.75-12-90DV	3/4	1	1/8	.156 +.015 +.000	.219 ±.010	.750 +.000 -.001	.751 +.002 +.000	1.000 +.002 +.000	.750 +.000 -.002	.998 +.000 -.001	1.000 +.002 +.000
5/32" C/S											
HSU15-1.18-15-90D	1-3/16	1-1/2	5/32	.188 +.015 +.000	.250 ±.010	1.187 +.000 -.001	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.498 +.000 -.001	1.500 +.002 +.000
HSU15-1.18-15-90DV	1-3/16	1-1/2	5/32	.188 +.015 +.000	.250 ±.010	1.187 +.000 -.001	1.188 +.002 +.000	1.500 +.002 +.000	1.187 +.000 -.002	1.498 +.000 -.001	1.500 +.002 +.000
HSU15-1.25-15-90D	1-1/4	1-9/16	5/32	.188 +.015 +.000	.250 ±.010	1.250 +.000 -.001	1.251 +.002 +.000	1.563 +.002 +.000	1.250 +.000 -.002	1.560 +.000 -.001	1.563 +.002 +.000
HSU15-1.25-15-90DV	1-1/4	1-9/16	5/32	.188 +.015 +.000	.250 ±.010	1.250 +.000 -.001	1.251 +.002 +.000	1.563 +.002 +.000	1.250 +.000 -.002	1.560 +.000 -.001	1.563 +.002 +.000
3/16" C/S											
HSU18-1.62-18-90D	1-5/8	2	3/16	.218 +.015 +.000	.281 ±.010	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
HSU18-1.62-18-90DV	1-5/8	2	3/16	.218 +.015 +.000	.281 ±.010	1.625 +.000 -.002	1.626 +.002 +.000	2.000 +.002 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
HSU18-2.12-18-90D	2-1/8	2-1/2	3/16	.218 +.015 +.000	.281 ±.010	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
HSU18-2.12-18-90DV	2-1/8	2-1/2	3/16	.218 +.015 +.000	.281 ±.010	2.125 +.000 -.002	2.126 +.002 +.000	2.500 +.002 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000

STYLE HSU HOMOGENEOUS U-SEALS

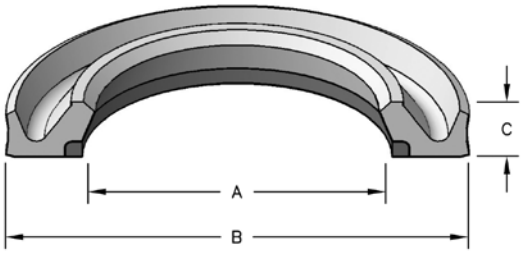
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
7/32" C/S											
HSU21-2.81-21-90D	2-13/16	3-1/4	7/32	.250 +.015 +.000	.312 ±.010	2.812 +.000 -.002	2.813 +.003 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.248 +.000 -.002	3.250 +.002 +.000
HSU21-2.81-21-90DV	2-13/16	3-1/4	7/32	.250 +.015 +.000	.312 ±.010	2.812 +.000 -.002	2.813 +.003 +.000	3.250 +.002 +.000	2.812 +.000 -.002	3.248 +.000 -.002	3.250 +.002 +.000
1/4" C/S											
HSU25-3.50-25-90D	3-1/2	4	1/4	.281 +.015 +.000	.344 ±.010	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.998 +.000 -.002	4.000 +.003 +.000
HSU25-3.50-25-90DV	3-1/2	4	1/4	.281 +.015 +.000	.344 ±.010	3.500 +.000 -.002	3.501 +.003 +.000	4.000 +.003 +.000	3.500 +.000 -.003	3.998 +.000 -.002	4.000 +.003 +.000
HSU25-4.50-25-90D	4-1/2	5	1/4	.281 +.015 +.000	.344 ±.010	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HSU25-4.50-25-90DV	4-1/2	5	1/4	.281 +.015 +.000	.344 ±.010	4.500 +.000 -.002	4.501 +.003 +.000	5.000 +.003 +.000	4.500 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
9/32" C/S											
HSU28-4.43-28-90D	4-7/16	5	9/32	.312 +.015 +.000	.375 ±.010	4.437 +.000 -.002	4.438 +.003 +.000	5.000 +.003 +.000	4.437 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HSU28-4.43-28-90DV	4-7/16	5	9/32	.312 +.015 +.000	.375 ±.010	4.437 +.000 -.002	4.438 +.003 +.000	5.000 +.003 +.000	4.437 +.000 -.003	4.998 +.000 -.002	5.000 +.003 +.000
HSU28-5.43-28-90D	5-7/16	6	9/32	.312 +.015 +.000	.375 ±.010	5.437 +.000 -.002	5.438 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HSU28-5.43-28-90DV	5-7/16	6	9/32	.312 +.015 +.000	.375 ±.010	5.437 +.000 -.002	5.438 +.003 +.000	6.000 +.003 +.000	5.437 +.000 -.003	5.998 +.000 -.003	6.000 +.003 +.000
HSU28-6.43-28-90D	6-7/16	7	9/32	.312 +.015 +.000	.375 ±.010	6.437 +.000 -.002	6.438 +.003 +.000	7.000 +.003 +.000	6.437 +.000 -.003	6.998 +.000 -.003	7.000 +.003 +.000
HSU28-6.43-28-90DV	6-7/16	7	9/32	.312 +.015 +.000	.375 ±.010	6.437 +.000 -.002	6.438 +.003 +.000	7.000 +.003 +.000	6.437 +.000 -.003	6.998 +.000 -.003	7.000 +.003 +.000
5/16" C/S											
HSU31-5.37-31-90D	5-3/8	6	5/16	.344 +.015 +.000	.406 ±.010	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.003	6.000 +.003 +.000
HSU31-5.37-31-90DV	5-3/8	6	5/16	.344 +.015 +.000	.406 ±.010	5.375 +.000 -.002	5.376 +.003 +.000	6.000 +.004 +.000	5.375 +.000 -.004	5.998 +.000 -.003	6.000 +.003 +.000
HSU31-6.37-31-90D	6-3/8	7	5/16	.344 +.015 +.000	.406 ±.010	6.375 +.000 -.002	6.376 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.003	7.000 +.003 +.000
HSU31-6.37-31-90DV	6-3/8	7	5/16	.344 +.015 +.000	.406 ±.010	6.375 +.000 -.002	6.376 +.003 +.000	7.000 +.004 +.000	6.375 +.000 -.004	6.998 +.000 -.003	7.000 +.003 +.000
HSU31-7.37-31-90D	7-3/8	8	5/16	.344 +.015 +.000	.406 ±.010	7.375 +.000 -.002	7.376 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.004	8.000 +.003 +.000
HSU31-7.37-31-90DV	7-3/8	8	5/16	.344 +.015 +.000	.406 ±.010	7.375 +.000 -.002	7.376 +.003 +.000	8.000 +.004 +.000	7.375 +.000 -.004	7.998 +.000 -.004	8.000 +.003 +.000
11/32" C/S											
HSU34-9.31-34-90D	9-5/16	10	11/32	.375 +.015 +.000	.438 ±.010	9.312 +.000 -.002	9.314 +.003 +.000	10.000 +.004 +.000	9.312 +.000 -.004	9.998 +.000 -.004	10.000 +.003 +.000
HSU34-9.31-34-90DV	9-5/16	10	11/32	.375 +.015 +.000	.438 ±.010	9.312 +.000 -.002	9.314 +.003 +.000	10.000 +.004 +.000	9.312 +.000 -.004	9.998 +.000 -.004	10.000 +.003 +.000
3/8" C/S											
HSU37-11.25-37-90D	11-1/4	12	3/8	.406 +.015 +.000	.469 ±.010	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.004	12.000 +.004 +.000
HSU37-11.25-37-90DV	11-1/4	12	3/8	.406 +.015 +.000	.469 ±.010	11.250 +.000 -.002	11.252 +.004 +.000	12.000 +.005 +.000	11.250 +.000 -.005	11.998 +.000 -.004	12.000 +.004 +.000
13/32" C/S											
HSU40-13.18-40-90D	13-3/16	14	13/32	.438 +.015 +.000	.500 ±.010	13.187 +.000 -.002	13.189 +.004 +.000	14.000 +.005 +.000	13.187 +.000 -.005	13.998 +.000 -.004	14.000 +.004 +.000
HSU40-13.18-40-90DV	13-3/16	14	13/32	.438 +.015 +.000	.500 ±.010	13.187 +.000 -.002	13.189 +.004 +.000	14.000 +.005 +.000	13.187 +.000 -.005	13.998 +.000 -.004	14.000 +.004 +.000
1/2" C/S											
HSU50-11.00-50-90D	11	12	1/2	.531 +.015 +.000	.594 ±.010	11.000 +.000 -.003	11.002 +.004 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.004	12.000 +.005 +.000

STYLE HSU HOMOGENEOUS U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 GROOVE WIDTH WITH BACKUP	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
1/2" C/S											
HSU50-11.00-50-90D	11	12	1/2	.531 +.015 +.000	.594 ±.010	11.000 +.000 -.003	11.002 +.004 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.004	12.000 +.005 +.000
HSU50-11.00-50-90DV	11	12	1/2	.531 +.015 +.000	.594 ±.010	11.000 +.000 -.003	11.002 +.004 +.000	12.000 +.007 +.000	11.000 +.000 -.007	11.998 +.000 -.004	12.000 +.005 +.000
HSU50-13.00-50-90D	13	14	1/2	.531 +.015 +.000	.594 ±.010	13.000 +.000 -.003	13.002 +.004 +.000	14.000 +.007 +.000	13.000 +.000 -.007	13.998 +.000 -.004	14.000 +.005 +.000

STYLE DYR ROD BUFFER SEALS

This U-cup style buffer ring offers an asymmetric sealing lip profile, chamfered sealing edges, and pressure relieving capabilities to prevent inner pressure entrapment when employed in a tandem sealing system. This rod buffer seal is designed to absorb impact pressure fluctuations under high-load conditions thus increasing the life of the primary seal.



PART NUMBERS

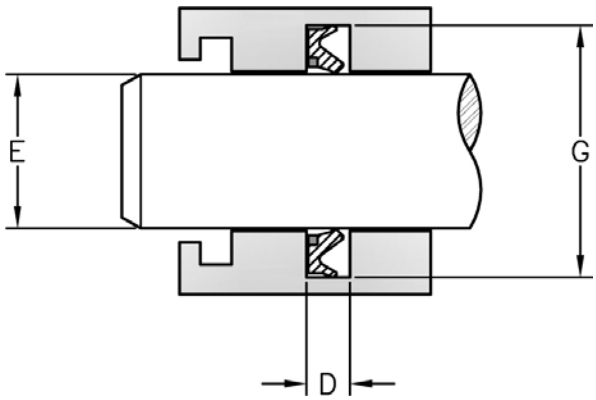
DYR 28 - 1.25 - 12

Type of Seal | Cross Section | Inside Diameter | Nominal Seal Height

DYR - 250 03

Type of Seal | Nominal Seal ID | O-Ring Cross Section

SEAL INFORMATION	
MATERIAL	URETHANE U-STYLE POLYACETAL BACK-UP
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 8,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DYR28-1.25-12	1-1/4	1-13/16	1/8	.140 +.008 +.000	1.250 -.001 -.003	1.813 +.008 +.000
DYR28-1.37-12	1-3/8	1-15/16	1/8	.140 +.010 +.000	1.375 -.001 -.003	1.937 +.004 +.000
DYR28-1.50-12	1-1/2	2-1/16	1/8	.140 +.008 +.000	1.500 -.001 -.003	2.063 +.008 +.000
DYR28-1.62-12	1-5/8	2-3/16	1/8	.140 +.008 +.000	1.625 -.001 -.003	2.187 +.008 +.000
DYR28-1.75-12	1-3/4	2-5/16	1/8	.140 +.008 +.000	1.750 -.001 -.003	2.313 +.008 +.000
DYR32-1.75-20BU	1-3/4	2.4	.2	.220 +.008 +.000	1.750 -.001 -.003	2.400 +.008 +.000
DYR32-1.87-22BU	1-7/8	2.531	.22	.235 +.008 +.000	1.875 -.001 -.003	2.531 +.008 +.000
DYR28-2.00-12	2	2-9/16	1/8	.140 +.008 +.000	2.000 -.001 -.003	2.563 +.008 +.000
DYR32-2.12-22BU	2-1/8	2.77	.22	.220 ±.008	2.125 +.000 -.003	2.770 ±.005
DYR34-2.25-22BU	2-1/4	2-15/16	3/16	.234 +.008 +.000	2.250 -.001 -.003	2.938 +.008 +.000
DYR-25003	2-1/2	3.116	.235	.247 +.010 +.000	2.500 +.000 -.004	3.116 +.005 +.000
DYR34-2.50-22BU	2-1/2	3-3/16	3/16	.234 +.008 +.000	2.500 -.001 -.003	3.188 +.008 +.000
DYR-27503	2-3/4	3.366	.235	.247 +.010 +.000	2.750 +.000 -.004	3.366 +.005 +.000

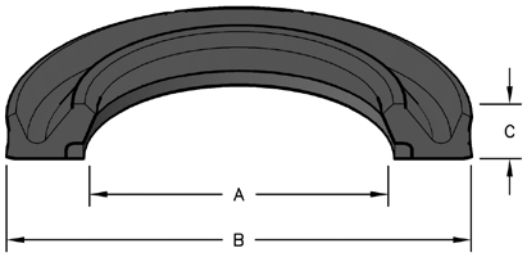
STYLE DYR ROD BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DYR31-2.75-22BU	2-3/4	3-3/8	3/16	.234 +.008 +.000	2.750 -.001 -.003	3.375 +.008 +.000
DYR-30003	3	3.616	.235	.247 +.010 +.000	3.000 +.000 -.004	3.616 +.005 +.000
DYR31-3.00-22BU	3	3-5/8	3/16	.234 +.008 +.000	3.000 -.001 -.003	3.625 +.008 +.000
DYR-35003	3-1/2	4.116	.235	.247 +.010 +.000	3.500 +.000 -.004	4.116 +.005 +.000
DYR34-3.50-22BU	3-1/2	4-3/16	3/16	.234 +.008 +.000	3.500 -.001 -.004	4.188 +.008 +.000
DYR-40003	4	4.616	.235	.247 +.010 +.000	4.000 +.000 -.004	4.616 +.005 +.000
DYR31-4.00-22BU	4	4-5/8	3/16	.234 +.008 +.000	4.000 -.001 -.004	4.669 +.009 +.000
DYR-45003	4-1/2	5.116	.235	.247 +.010 +.000	4.500 +.000 -.004	5.116 +.005 +.000
DYR-47503	4-3/4	5.366	.235	.247 +.010 +.000	4.750 +.000 -.004	5.366 +.005 +.000
DYR-50003	5	5.616	.235	.247 +.010 +.000	5.000 +.000 -.004	5.616 +.005 +.000
DYR-55003	5-1/2	6.116	.235	.247 +.010 +.000	5.500 +.000 -.004	6.116 +.005 +.000
DYR31-5.75-23BU	5-3/4	6-3/8	.235	.250 +.005 -.003	5.750 -.0017 -.0042	6.375 +.008 +.000
DYR-60003	6	6.616	.235	.247 +.010 +.000	6.000 +.000 -.004	6.616 +.005 +.000
DYR-65003	6-1/2	7.116	.235	.247 +.010 +.000	6.500 +.000 -.004	7.116 +.005 +.000
DYR-70003	7	7.616	.235	.247 +.010 +.000	7.000 +.000 -.004	7.616 +.005 +.000
DYR-75003	7-1/2	8.116	.235	.247 +.010 +.000	7.500 +.000 -.004	8.116 +.005 +.000
DYR-80003	8	8.616	.235	.247 +.010 +.000	8.000 +.000 -.004	8.616 +.005 +.000
DYR37-15.75-31BU	15-3/4	16-1/2	.305	.319 +.008 +.000	15.750 +.000 -.006	16.500 +.006 +.000

Seal color may vary.

STYLE DYR-BHT ROD BUFFER SEALS

Style DYR-BHT buffer seals are molded in Freudenberg® AU 30000 urethane. This U-cup style buffer ring offers an asymmetric sealing lip profile, chamfered sealing edges, and pressure relieving capabilities to prevent inner pressure entrapment when employed in a tandem sealing system. This rod buffer seal is designed to absorb impact pressure fluctuations under high-load conditions thus increasing the life of the primary seal. This high tear-resistant urethane demonstrates stability throughout a wide range of temperatures. In addition, this material is well suited to mineral and biodegradable hydraulic fluids as well as being resistant to hydrolysis.

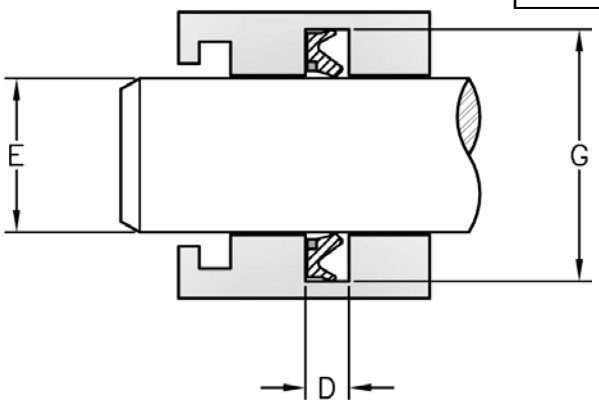


PART NUMBERS

DYR 28 - 1.50 - 12 BHT

Type of Seal | Cross Section | Inside Diameter | Nominal Seal Height

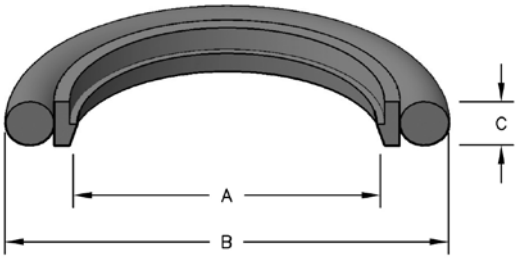
SEAL INFORMATION	
MATERIAL	94A URETHANE "BU" INCLUDES POLYACETAL BACK-UP
TEMPERATURE RANGE	-31°F TO 250°F
PRESSURE RANGE	0 TO 8000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
DYR28-1.50-12-BHT	1-1/2	2-1/16	1/8	.140 +.008 +.000	1.500 -.001 -.003	2.063 +.008 +.000
DYR28-1.75-12-BHT	1-3/4	2-5/16	1/8	.140 +.008 +.000	1.750 -.001 -.003	2.313 +.008 +.000
DYR28-2.00-12-BHT	2	2-9/16	1/8	.140 +.008 +.000	2.000 -.001 -.003	2.563 +.008 +.000
DYR31-4.00-22BU-BHT	4	4-5/8	3/16	.234 +.008 +.000	4.000 -.001 -.004	4.669 +.009 +.000

STYLE KR ROD BUFFER SEALS

Molded in PTFE with a rubber energizer, this seal absorbs the shock of pressure spikes to protect the rod seal.

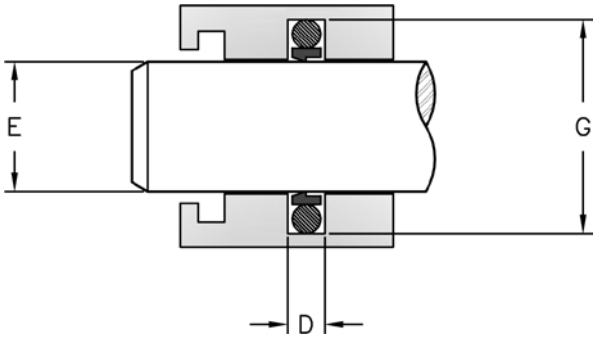


PART NUMBERS

KR - 050 01

- KR — Type of Seal
- 050 — Nominal Seal ID
- 01 — O-Ring Cross Section

SEAL INFORMATION	
MATERIAL	BRONZE FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
KR-05001	1/2	.787	.122	.126 +.010 +.000	.500 +.000 -.002	.787 +.005 +.000
KR-10001	1	1.287	.122	.126 +.010 +.000	1.000 +.000 -.002	1.287 +.005 +.000
KR-10002	1	1.421	.155	.166 +.010 +.000	1.000 +.000 -.003	1.421 +.005 +.000
KR-11201	1-1/8	1.407	.122	.126 +.010 +.000	1.120 +.000 -.002	1.407 +.005 +.000
KR-12501	1-1/4	1.537	.122	.126 +.010 +.000	1.250 +.000 -.002	1.537 +.005 +.000
KR-12502	1-1/4	1.671	.155	.166 +.010 +.000	1.250 +.000 -.003	1.671 +.005 +.000
KR-13702	1-3/8	1.791	.155	.166 +.010 +.000	1.370 +.000 -.003	1.791 +.005 +.000
KR-15001	1-1/2	1.787	.122	.126 +.010 +.000	1.500 +.000 -.002	1.787 +.005 +.000
KR-15002	1-1/2	1.921	.155	.166 +.010 +.000	1.500 +.000 -.003	1.921 +.005 +.000
KR-15003	1-1/2	2.094	.235	.247 +.010 +.000	1.500 +.000 -.004	2.094 +.005 +.000
KR-17501	1-3/4	2.037	.122	.126 +.010 +.000	1.750 +.000 -.002	2.037 +.005 +.000
KR-17502	1-3/4	2.171	.155	.166 +.010 +.000	1.750 +.000 -.003	2.171 +.005 +.000
KR-17503	1-3/4	2.344	.235	.247 +.010 +.000	1.750 +.000 -.004	2.344 +.005 +.000
KR-18702	1-7/8	2.291	.155	.166 +.010 +.000	1.870 +.000 -.003	2.291 +.005 +.000
KR-20002	2	2.421	.155	.166 +.010 +.000	2.000 +.000 -.003	2.421 +.005 +.000
KR-20003	2	2.594	.235	.247 +.010 +.000	2.000 +.000 -.004	2.594 +.005 +.000

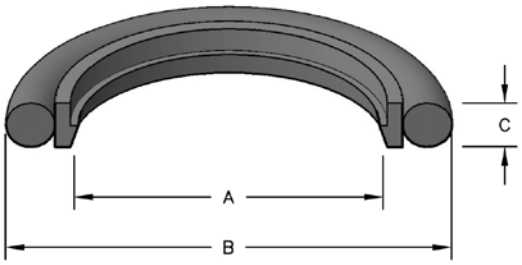
STYLE KR ROD BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
KR-21202	2-1/8	2.541	.155	.166 +.010 +.000	2.120 +.000 -.003	2.541 +.005 +.000
KR-22502	2-1/4	2.671	.155	.166 +.010 +.000	2.250 +.000 -.003	2.671 +.005 +.000
KR-25002	2-1/2	2.921	.155	.166 +.010 +.000	2.500 +.000 -.003	2.921 +.005 +.000
KR-25003	2-1/2	3.094	.235	.247 +.010 +.000	2.500 +.000 -.004	3.094 +.005 +.000
KR-26203	2-5/8	3.214	.235	.247 +.010 +.000	2.620 +.000 -.004	3.214 +.005 +.000
KR-27502	2-3/4	3.171	.155	.166 +.010 +.000	2.750 +.000 -.003	3.171 +.005 +.000
KR-27503	2-3/4	3.344	.235	.247 +.010 +.000	2.750 +.000 -.004	3.344 +.005 +.000
KR-30002	3	3.421	.155	.166 +.010 +.000	3.000 +.000 -.003	3.421 +.005 +.000
KR-30003	3	3.594	.235	.247 +.010 +.000	3.000 +.000 -.004	3.594 +.005 +.000
KR-32503	3-1/4	3.844	.235	.247 +.010 +.000	3.250 +.000 -.004	3.844 +.005 +.000
KR-35003	3-1/2	4.094	.235	.247 +.010 +.000	3.500 +.000 -.004	4.094 +.005 +.000
KR-37503	3-3/4	4.344	.235	.247 +.010 +.000	3.750 +.000 -.004	4.344 +.005 +.000
KR-40002	4	4.421	.155	.166 +.010 +.000	4.000 +.000 -.003	4.421 +.005 +.000
KR-40003	4	4.594	.235	.247 +.010 +.000	4.000 +.000 -.004	4.594 +.005 +.000
KR-40004	4	4.807	.305	.320 +.010 +.000	4.000 +.000 -.005	4.807 +.005 +.000
KR-45003	4-1/2	5.094	.235	.247 +.010 +.000	4.500 +.000 -.004	5.094 +.005 +.000
KR-45004	4-1/2	5.307	.305	.320 +.010 +.000	4.500 +.000 -.005	5.307 +.005 +.000
KR-47503	4-3/4	5.344	.235	.247 +.010 +.000	4.750 +.000 -.004	5.344 +.005 +.000
KR-50003	5	5.594	.235	.247 +.010 +.000	5.000 +.000 -.004	5.594 +.005 +.000
KR-50004	5	5.807	.305	.320 +.010 +.000	5.000 +.000 -.005	5.807 +.005 +.000
KR-55003	5-1/2	6.094	.235	.247 +.010 +.000	5.500 +.000 -.002	6.094 +.005 +.000
KR-55004	5-1/2	6.307	.305	.320 +.010 +.000	5.500 +.000 -.005	6.307 +.005 +.000
KR-57504	5-3/4	6.557	.305	.320 +.010 +.000	5.750 +.000 -.005	6.557 +.005 +.000
KR-60003	6	6.594	.235	.247 +.010 +.000	6.000 +.000 -.004	6.594 +.005 +.000
KR-60004	6	6.807	.305	.320 +.010 +.000	6.000 +.000 -.005	6.807 +.005 +.000
KR-65003	6-1/2	7.094	.235	.247 +.010 +.000	6.500 +.000 -.004	7.094 +.005 +.000
KR-67504	6-3/4	7.557	.305	.320 +.010 +.000	6.750 +.000 -.005	7.557 +.005 +.000
KR-70003	7	7.594	.235	.247 +.010 +.000	7.000 +.000 -.004	7.594 +.005 +.000
KR-70004	7	7.807	.305	.320 +.010 +.000	7.000 +.000 -.005	7.807 +.005 +.000
KR-90004	9	9.807	.305	.320 +.010 +.000	9.000 +.000 -.005	9.807 +.005 +.000

Seal color may vary.

STYLE KR ROD BUFFER SEALS - FLUOROCARBON

Molded in bronze-filled PTFE with an FKM energizer, this seal is used to protect the primary seal from damage caused by pressure spikes and excessive heat build up.

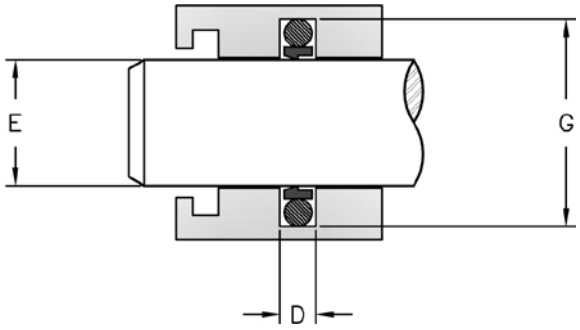


PART NUMBERS

KR - 100 01V

- KR — Type of Seal
- 100 — Nominal Seal ID
- 01V — O-Ring Cross Section

SEAL INFORMATION	
MATERIAL	BRONZE PTFE BUFFER FKM ENERGIZER
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



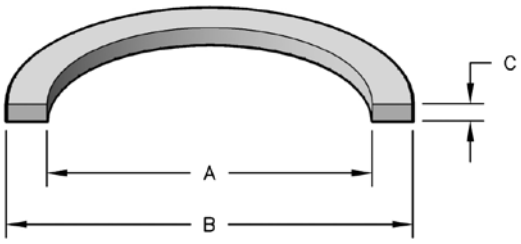
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
KR-10001V	1	1.287	.122	.126 +.010 +.000	1.000 +.000 -.002	1.287 +.005 +.000
KR-11201V	1-1/8	1.407	.122	.126 +.010 +.000	1.120 +.000 -.002	1.407 +.005 +.000
KR-12501V	1-1/4	1.537	.122	.126 +.010 +.000	1.250 +.000 -.002	1.537 +.005 +.000
KR-12502V	1-1/4	1.671	.155	.166 +.010 +.000	1.250 +.000 -.003	1.671 +.005 +.000
KR-13702V	1-3/8	1.791	.155	.166 +.010 +.000	1.370 +.000 -.003	1.791 +.005 +.000
KR-15001V	1-1/2	1.787	.122	.126 +.010 +.000	1.500 +.000 -.002	1.787 +.005 +.000
KR-15002V	1-1/2	1.921	.155	.166 +.010 +.000	1.500 +.000 -.003	1.921 +.005 +.000
KR-15003V	1-1/2	2.094	.235	.247 +.010 +.000	1.500 +.000 -.004	2.094 +.005 +.000
KR-17501V	1-3/4	2.037	.122	.126 +.010 +.000	1.750 +.000 -.002	2.037 +.005 +.000
KR-17502V	1-3/4	2.171	.155	.166 +.010 +.000	1.750 +.000 -.003	2.171 +.005 +.000
KR-17503V	1-3/4	2.344	.235	.247 +.010 +.000	1.750 +.000 -.004	2.344 +.005 +.000
KR-18702V	1-7/8	2.291	.155	.166 +.010 +.000	1.870 +.000 -.003	2.291 +.005 +.000
KR-20002V	2	2.421	.155	.166 +.010 +.000	2.000 +.000 -.003	2.421 +.005 +.000
KR-20003V	2	2.594	.235	.247 +.010 +.000	2.000 +.000 -.004	2.594 +.005 +.000
KR-21202V	2-1/8	2.541	.155	.166 +.010 +.000	2.120 +.000 -.003	2.541 +.005 +.000
KR-22502V	2-1/4	2.671	.155	.166 +.010 +.000	2.250 +.000 -.003	2.671 +.005 +.000

STYLE KR ROD BUFFER SEALS - FLUOROCARBON

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
KR-25002V	2-1/2	2.921	.155	.166 +.010 +.000	2.500 +.000 -.003	2.921 +.005 +.000
KR-25003V	2-1/2	3.094	.235	.247 +.010 +.000	2.500 +.000 -.004	3.094 +.005 +.000
KR-26203V	2-5/8	3.214	.235	.247 +.010 +.000	2.620 +.000 -.004	3.214 +.005 +.000
KR-27503V	2-3/4	3.344	.235	.247 +.010 +.000	2.750 +.000 -.004	3.344 +.005 +.000
KR-30002V	3	3.421	.155	.166 +.010 +.000	3.000 +.000 -.003	3.421 +.005 +.000
KR-30003V	3	3.594	.235	.247 +.010 +.000	3.000 +.000 -.004	3.594 +.005 +.000
KR-32503V	3-1/4	3.844	.235	.247 +.010 +.000	3.250 +.000 -.004	3.844 +.005 +.000
KR-35003V	3-1/2	4.094	.235	.247 +.010 +.000	3.500 +.000 -.004	4.094 +.005 +.000
KR-37503V	3-3/4	4.344	.235	.247 +.010 +.000	3.750 +.000 -.004	4.344 +.005 +.000
KR-40002V	4	4.421	.155	.166 +.010 +.000	4.000 +.000 -.003	4.421 +.005 +.000
KR-40003V	4	4.594	.235	.247 +.010 +.000	4.000 +.000 -.004	4.594 +.005 +.000
KR-45003V	4-1/2	5.094	.235	.247 +.010 +.000	4.500 +.000 -.004	5.094 +.005 +.000
KR-45004V	4-1/2	5.307	.305	.320 +.010 +.000	4.500 +.000 -.005	5.307 +.005 +.000
KR-47503V	4-3/4	5.344	.235	.247 +.010 +.000	4.750 +.000 -.004	5.344 +.005 +.000
KR-50003V	5	5.594	.235	.247 +.010 +.000	5.000 +.000 -.004	5.594 +.005 +.000
KR-50004V	5	5.807	.305	.320 +.010 +.000	5.000 +.000 -.005	5.807 +.005 +.000
KR-55004V	5-1/2	6.307	.305	.320 +.010 +.000	5.500 +.000 -.005	6.307 +.005 +.000
KR-57504V	5-3/4	6.557	.305	.320 +.010 +.000	5.750 +.000 -.005	6.557 +.005 +.000
KR-60003V	6	6.594	.235	.247 +.010 +.000	6.000 +.000 -.004	6.594 +.005 +.000
KR-60004V	6	6.807	.305	.320 +.010 +.000	6.000 +.000 -.005	6.807 +.005 +.000
KR-65003V	6-1/2	7.094	.235	.247 +.010 +.000	6.500 +.000 -.004	7.094 +.005 +.000
KR-67504V	6-3/4	7.557	.305	.320 +.010 +.000	6.750 +.000 -.005	7.557 +.005 +.000
KR-70003V	7	7.594	.235	.247 +.010 +.000	7.000 +.000 -.004	7.594 +.005 +.000
KR-90004V	9	9.807	.305	.320 +.010 +.000	9.000 +.000 -.005	9.807 +.005 +.000

STYLE RBS ROD BUFFER SEALS

The RBS style rod buffer seals are a rectangular urethane buffer ring designed to absorb pressure fluctuations to protect the primary rod seal. Some sizes include a radial and axial slot, which faces the pressure, to relieve back pressure between the primary and buffer seal. This simple design is commonly found on older construction equipment.



SL = SLOTTED

PART NUMBERS

RBS - 1.2 X 1.6

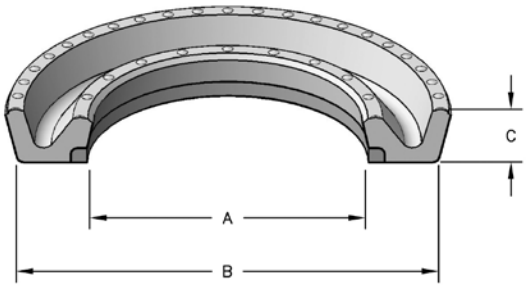
Type of Seal | Inside Diameter | Outside Diameter

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

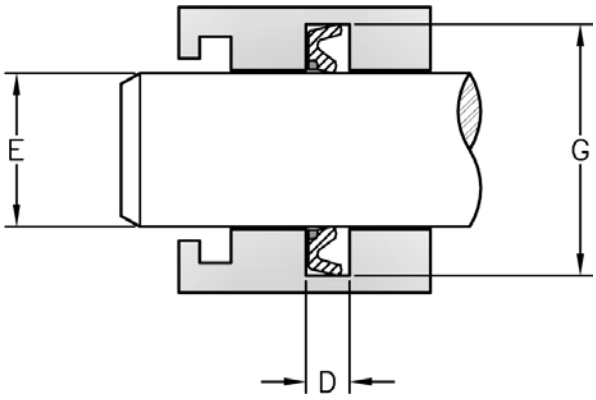
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E ROD DIAMETER
RBS-1.2X1.6	1-1/4	1.62	.118	1.250
RBS-1.25X1.77SL	1-1/4	1.77	.114	1.250
RBS-1.50X2.00SL	1-1/2	2	.118	1.500
RBS-1.75X2.25SL	1-3/4	2-1/4	.118	1.750
RBS-2.00X2.50SL	2	2-1/2	.115	2.000
RBS-2.25X2.87SL	2-1/4	2.87	.19	2.250
RBS-2.50X3.12SL	2-1/2	3.124	3/16	2.500
RBS-3.00X3.62SL	3	3.62	.19	3.000
RBS-4.0X4.4X.19	4	4.38	.19	4.000
RBS-4.5X5.2X.17	4-1/2	5.22	.17	4.500
RBS-6X6.7X.17	6	6.72	.17	6.000
RBS-7.5X8.2X.17	7-1/2	8.22	.17	7.500
RBS-10.45X11.20X.185	10.456	11.2	.185	10.500

CATERPILLAR® SPECIFIC BUFFER SEALS - DYR STYLE

These lip-type buffer seals are designed for replacement in Caterpillar® cylinders. The hinged-lip design reduces friction, heat, and wear under low-pressure conditions and acts as a check valve allowing back-pressure relief. Seals for rod sizes 2-1/8" and under do not have a back-up ring.



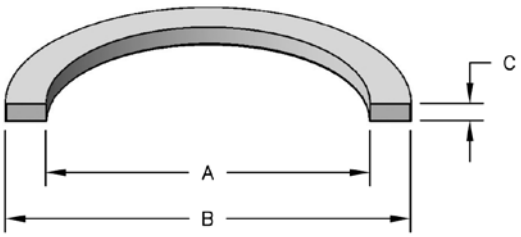
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +230° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC 12 FT/SEC



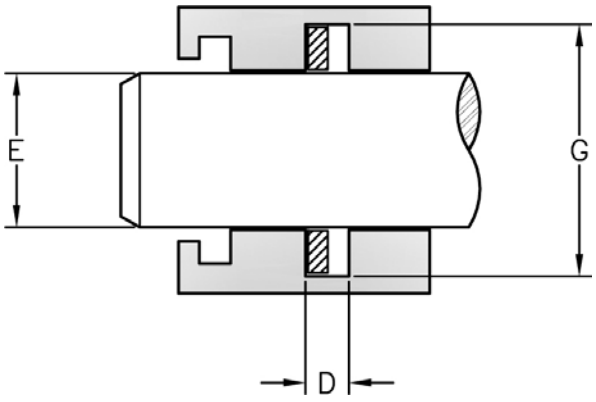
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
CTC-1672186	1-1/2	2	.115	.140 ±.005	1.500	2.033 ±.005
CTC-1672190	1-3/4	2-5/16	.115	.140 ±.005	1.750	2.283 ±.005
CTC-1672192	1-7/8	2-1/4	.115	.140 ±.005	1.875	2.252 ±.005
CTC-1672195	2	2-9/16	.115	.140 ±.005	2.000	2.533 ±.005
CTC-1672198	2-1/8	2-5/8	.115	.140 ±.005	2.125	2.627 ±.005
CTC-1672200	2-1/4	2-7/8	.21	.220 ±.005	2.250	2.891 ±.005
CTC-1672202	2-3/8	3	.21	.220 ±.005	2.375	3.016 ±.005
CTC-1672201	2-1/2	3-3/16	.21	.220 ±.005	2.500	3.141 ±.005
CTC-1672207	2-3/4	3-3/8	.21	.220 ±.005	2.750	3.391 ±.005
CTC-1672208	3	3-5/8	.21	.220 ±.005	3.000	3.641 ±.005
CTC-1672209	3-1/4	3-7/8	.21	.220 ±.005	3.250	3.891 ±.005
CTC-1672211	3-1/2	4-3/16	.21	.220 ±.005	3.500	4.141 ±.005
CTC-1672214	3-3/4	4-3/8	.21	.220 ±.005	3.750	4.391 ±.005
CTC-1672216	4	4-5/8	.21	.220 ±.005	4.000	4.641 ±.005
CTC-1672218	4-1/4	5-1/4	.235	.250 ±.005	4.250	5.225 ±.005
CTC-3358964	4-1/2	5-1/2	.235	.250 +.000 -.005	4.500	5.500 ±.005
CTC-1672221	4-3/4	5-3/4	.235	.250 ±.005	4.750	5.725 ±.005
CTC-1351995	7	7-15/16	1/4	.250 ±.005	7.000	7.945 ±.005
CTC-1672233	7	7-15/16	1/4	.250 ±.005	7.000	7.945 ±.005
CTC-3469380	7	7-15/16	1/4	.250 ±.005	7.000	7.945 ±.005

CATERPILLAR® SPECIFIC BUFFER SEALS - 1 PIECE

See Caterpillar® heading in kit catalog for more Caterpillar® replacement parts.



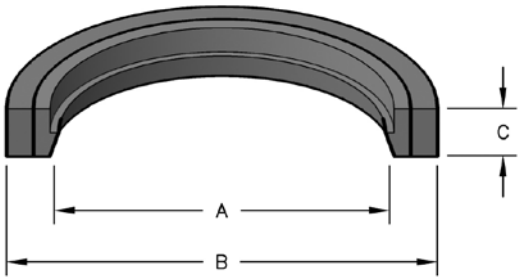
SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC 12 FT/SEC



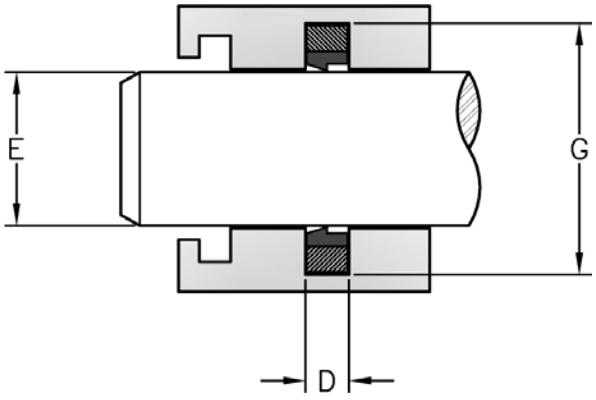
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
CTC-5P4673	7/8	1-1/4	.115	.140 ±.005	.875	1.240 ±.005
CTC-9J3497	1-1/4	1-13/16	.115	.140 ±.005	1.250	1.783 ±.005
CTC-6J9733	1-1/2	2-1/16	.115	.140 ±.005	1.500	2.033 ±.005
CTC-6J9178	1-3/4	2-5/16	.115	.140 ±.005	1.750	2.283 ±.005
CTC-4T6778	1-7/8	2-1/4	.115	.140 ±.005	1.875	2.252 ±.005
CTC-6J6917	2	2-9/16	.115	.140 ±.005	2.000	2.533 ±.005
CTC-4T6127	2-1/8	2-5/8	.115	.140 ±.005	2.125	2.627 ±.005
CTC-5J3616	2-1/4	2-15/16	.188	.220 ±.005	2.250	2.891 ±.005
CTC-6J6916	2-3/8	3-1/16	.188	.220 ±.005	2.375	3.016 ±.005
CTC-5J3620	2-1/2	3-3/16	.188	.220 ±.005	2.500	3.141 ±.005
CTC-1U4020	2-5/8	3-1/4	.21	.220 ±.005	2.625	3.266 ±.005
CTC-6J6553	2-3/4	3-7/16	.188	.220 ±.005	2.750	3.391 ±.005
CTC-6J6915	3	3-5/8	.188	.220 ±.005	3.000	3.641 ±.005
CTC-6J7167	3-1/4	3-15/16	.188	.220 ±.005	3.250	3.891 ±.005
CTC-6J6736	3-1/2	4-3/16	.188	.220 ±.005	3.500	4.141 ±.005
CTC-8J6070	3-3/4	4-7/16	.188	.220 ±.005	3.750	4.391 ±.005
CTC-8J4627	4	4-11/16	.188	.220 ±.005	4.000	4.641 ±.005
CTC-7J8943	4-1/4	5-1/4	.218	.250 ±.005	4.250	5.225 ±.005
CTC-3G5055	4-3/8	5-1/4	.218	.250 ±.005	4.375	5.225 ±.005
CTC-7J9257	4-3/4	5-3/4	.218	.250 ±.005	4.750	5.725 ±.005
CTC-8J4509	5	6	.221	.250 ±.005	5.000	5.960 ±.005
CTC-6J8631	6-1/2	7-9/16	.218	.250 ±.005	6.500	7.502 ±.005
CTC-9J2495	7	8	.22	.250 ±.005	7.000	7.945 ±.005

CATERPILLAR® SPECIFIC BUFFER SEALS - 2 PIECE

See Caterpillar® heading in kit catalog for more Caterpillar® replacement parts.



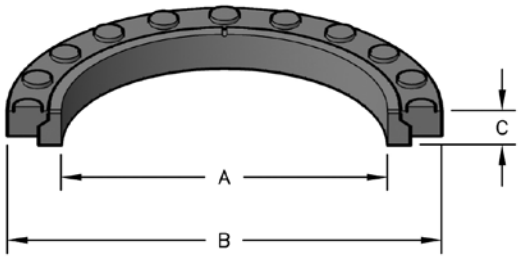
SEAL INFORMATION	
MATERIAL	BRONZE FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC 12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
CTC-8C9122	1-1/2	2-1/16	.128	.140 ±.005	1.500	2.033 ±.005
CTC-8C9123	1-3/4	2-5/16	.128	.140 ±.005	1.750	2.283 ±.005
CTC-9X3566	1-7/8	2-1/4	.128	.140 ±.005	1.875	2.252 ±.005
CTC-8C9124	2	2-9/16	.128	.140 ±.005	2.000	2.533 ±.005
CTC-9X3568	2-1/8	2-5/8	.128	.140 ±.005	2.125	2.627 ±.005
CTC-8C9125	2-1/4	2-7/8	.2	.220 ±.005	2.250	2.891 ±.005
CTC-8C9138	2-3/8	3	.2	.220 ±.005	2.375	3.016 ±.005
CTC-8C3839	2-1/2	3-1/8	.2	.220 ±.005	2.500	3.141 ±.005
CTC-9T9363	2-5/8	3-1/4	.2	.220 ±.005	2.625	3.266 ±.005
CTC-8C3841	2-3/4	3-3/8	.2	.220 ±-.005	2.750	3.391 ±.005
CTC-8C9126	3	3-11/16	.2	.220 ±.005	3.000	3.641 ±.005
CTC-8C9121	3-1/4	3-7/8	.2	.220 ±.005	3.250	3.891 ±.005
CTC-8C9127	3-1/2	4-3/16	.2	.220 ±.005	3.500	4.141 ±.005
CTC-8C9128	3-3/4	4-3/8	.2	.220 ±.005	3.750	4.391 ±.005
CTC-8C9129	4	4-5/8	.2	.220 ±.005	4.000	4.641 ±.005
CTC-8C9144	4-1/2	5-1/2	.23	.250 ±.005	4.500	5.475 ±.005
CTC-8C9130	7	7-15/16	.23	.250 ±.005	7.000	7.945 ±.005

STYLE BRS BUFFER SEALS

Molded in Bronze filled PTFE with a rubber energizer, this heavy duty buffer seal is ideal for heavy duty service to protect the primary seal from damage caused by pressure spikes and excessive heat build up.

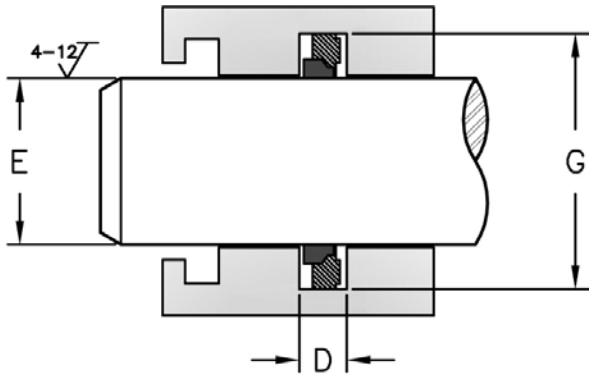


PART NUMBERS

BRS - 175 02

Type of Seal | Nominal Seal ID | O-Ring Cross Section

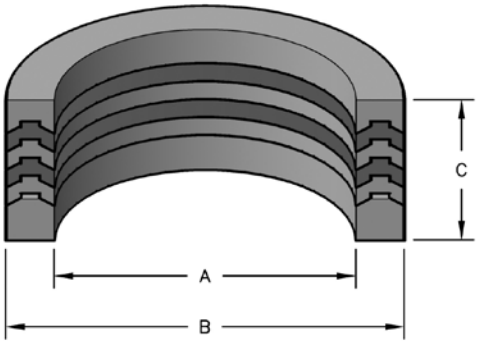
SEAL INFORMATION	
MATERIAL	BRONZE PTFE BUFFER, RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	15 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
BRS-17502	1-3/4	2.174	.166	.166 +.010 +.000	1.750 +.000 -.003	2.174 +.004 +.000
BRS-20003	2	2.616	.247	.247 +.010 +.000	2.000 +.000 -.004	2.616 +.005 +.000
BRS-25003	2-1/2	3.116	.247	.247 +.010 +.000	2.500 +.000 -.004	3.116 +.005 +.000
BRS-27503	2-3/4	3.366	.247	.247 +.010 +.000	2.750 +.000 -.004	3.366 +.005 +.000
BRS-30003	3	3.616	.247	.247 +.010 +.000	3.000 +.000 -.004	3.616 +.005 +.000
BRS-32503	3-1/4	3.866	.247	.247 +.010 +.000	3.250 +.000 -.004	3.866 +.005 +.000
BRS-35003	3-1/2	4.116	.247	.247 +.010 +.000	3.500 +.000 -.004	4.116 +.005 +.000
BRS-40003	4	4.616	.247	.247 +.010 +.000	4.000 +.000 -.004	4.616 +.005 +.000
BRS-45003	4-1/2	5.116	.247	.247 +.010 +.000	4.500 +.000 -.004	5.116 +.005 +.000
BRS-50003	5	5.616	.247	.247 +.010 +.000	5.000 +.000 -.004	5.616 +.005 +.000
BRS-80003	8	8.83	.32	.320 +.010 +.000	8.000 +.000 -.005	8.830 +.006 +.000

HYDROLOCK VEE PACKING SETS

These vee sets utilize hytrel & nylon vees to cover pressure from 0 to 6,000 psi and provide excellent extrusion resistance. Male & female bearings are molded from glass filled nylon. **NOTE:** These vee sets do not contain guidelock bearings. They are sold seperately as shown in the next section.



PART NUMBERS

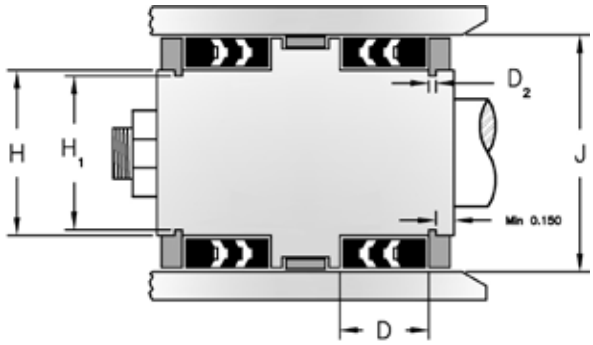
HDLV 1741 - 275 - 100FB

- HDLV: Type of Seal
- 1741: # of Vees
- 275: Outside Diameter
- 100FB: Bearing Height

1740 = 3 VEES
1741 = 4 VEES
1742 = 5 VEES

SEAL INFORMATION	
MATERIAL	HYTREL & NYLON
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC

FB= FEMALE BEARING



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER	D_2 BASE GROOVE WIDTH
HDLV-1741-175	1-1/4	1-3/4	.82	.820 ±.005	1.250 +.000 -.005	N/A	1.750 +.010 +.000	N/A
HDLV-1742-200	1-1/2	2	1	1.000 ±.005	1.500 +.000 -.005	1.375 +.000 -.003	2.000 +.010 +.000	.252 +.005 +.000
HDLV-1742-225	1-3/4	2-1/4	1	1.000 ±.005	1.750 +.000 -.005	1.500 +.000 -.003	2.250 +.010 +.000	.252 +.005 +.000
HDLV-1742-250	2	2-1/2	1	1.000 ±.005	2.000 +.000 -.005	1.750 +.000 -.003	2.500 +.010 +.000	.252 +.005 +.000
HDLV-1742-250-100FB	2	2-1/2	1-3/4	1.750 ±.005	2.000 +.000 -.005	1.750 +.000 -.003	2.500 +.010 +.000	.252 +.005 +.000
HDLV-275-200-175	2	2-3/4	1-3/4	1.750 ±.005	2.000 +.000 -.005	N/A	2.750 +.010 +.000	N/A
HDLV-1742-275	2-1/4	2-3/4	1	1.000 ±.005	2.250 +.000 -.005	2.000 +.000 -.003	2.750 +.010 +.000	.252 +.005 +.000
HDLV-1741-275-100FB	2-1/4	2-3/4	1-5/8	1.625 ±.005	2.250 +.000 -.005	2.250 +.000 -.008	2.750 +.010 +.000	.252 +.005 +.000
HDLV-1742-275-100FB	2-1/4	2-3/4	1-3/4	1.750 ±.005	2.250 +.000 -.005	2.000 +.000 -.003	2.750 +.010 +.000	.252 +.005 +.000
HDLV-300-250-082	2-1/2	3	13/16	.813 ±.005	2.500 +.000 -.005	N/A	3.000 +.010 +.000	N/A
HDLV-300-250-087	2-1/2	3	7/8	.875 ±.005	2.500 +.000 -.005	N/A	3.000 +.010 +.000	N/A
HDLV-1742-300	2-1/2	3	1	1.000 ±.005	2.500 +.000 -.005	2.250 +.000 -.003	3.000 +.010 +.000	.252 +.005 +.000
HDLV-1741-300-050FB	2-1/2	3	1-1/8	1.125 ±.005	2.500 +.000 -.005	2.250 +.000 -.003	3.000 +.010 +.000	.252 +.005 +.000
HDLV-1742-300-100FB	2-1/2	3	1-3/4	1.750 ±.005	2.500 +.000 -.005	2.250 +.000 -.003	3.000 +.010 +.000	.252 +.005 +.000
HDLV-1742-312-100FB	2-1/2	3-1/8	1-11/16	1.687 ±.005	2.500 +.000 -.005	N/A	3.125 +.010 +.000	N/A

HYDROLOCK VEE PACKING SETS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER	D_2 BASE GROOVE WIDTH
HDLV-1742-325	2-3/4	3-1/4	1	1.000 ±.005	2.750 +.000 -.005	2.500 +.000 -.003	3.250 +.010 +.000	.252 +.005 +.000
HDLV-1742-325-100FB	2-3/4	3-1/4	1-3/4	1.750 ±.005	2.750 +.000 -.005	2.500 +.000 -.003	3.250 +.010 +.000	.252 +.005 +.000
HDLV-1740-350	3	3-1/2	3/4	.750 ±.005	3.000 +.000 -.005	2.750 +.000 -.003	3.500 +.010 +.000	.252 +.005 +.000
HDLV-350-300-082	3	3-1/2	13/16	.813 ±.005	3.000 +.000 -.005	N/A	3.500 +.010 +.000	N/A
HDLV-1742-350	3	3-1/2	1	1.000 ±.005	3.000 +.000 -.005	2.750 +.000 -.003	3.500 +.010 +.000	.252 +.005 +.000
HDLV-1741-350-050FB	3	3-1/2	1-1/8	1.125 ±.005	3.000 +.000 -.005	2.750 +.000 -.003	3.500 +.010 +.000	.252 +.005 +.000
HDLV-1742-350-100FB	3	3-1/2	1-3/4	1.750 ±.005	3.000 +.000 -.005	2.750 +.000 -.003	3.500 +.010 +.000	.252 +.005 +.000
HDLV-375-300-175	3	3-3/4	1-3/4	1.750 ±.005	3.000 +.000 -.005	N/A	3.750 +.010 +.000	N/A
HDLV-1740-400	3-1/2	4	3/4	.750 ±.005	3.500 +.000 -.005	3.250 +.000 -.003	4.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-400	3-1/2	4	1	1.000 ±.005	3.500 +.000 -.005	3.250 +.000 -.003	4.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-400-050FB	3-1/2	4	1-1/8	1.125 ±.005	3.500 +.000 -.005	3.250 +.000 -.003	4.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-400-100FB	3-1/2	4	1-3/4	1.750 ±.005	3.500 +.000 -.005	3.250 +.000 -.003	4.000 +.010 +.000	.377 +.005 +.000
HDLV-425-350-087	3-1/2	4-1/4	7/8	.875 ±.005	3.500 +.000 -.005	N/A	4.250 +.010 +.000	N/A
HDLV-1741-425-100FB	3-3/4	4-1/4	1-5/8	1.625 ±.005	3.750 +.000 -.005	3.500 +.000 -.003	4.250 +.010 +.000	.377 +.005 +.000
HDLV-450-400-082	4	4-1/2	13/16	.813 ±.005	4.000 +.000 -.005	N/A	4.500 +.010 +.000	N/A
HDLV-1742-450	4	4-1/2	1	1.000 ±.005	4.000 +.000 -.005	3.750 +.000 -.030	4.500 +.010 +.000	.377 +.005 +.000
HDLV-1741-450-050FB	4	4-1/2	1-1/8	1.125 ±.005	4.000 +.000 -.005	3.750 +.000 -.003	4.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-450-100FB	4	4-1/2	1-3/4	1.750 ±.005	4.000 +.000 -.005	3.750 +.000 -.003	4.500 +.010 +.000	.377 +.005 +.000
HDLV-503-402-152	4.02	5.03	1.527	1.527 ±.005	4.020 +.000 -.005	N/A	5.030 +.010 +.000	N/A
HDLV-1740-500	4-1/2	5	3/4	.750 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-500	4-1/2	5	7/8	.875 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-500	4-1/2	5	1	1.000 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-500-050FB	4-1/2	5	1-1/8	1.125 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-500-075FB	4-1/2	5	1-3/8	1.375 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-500-100FB	4-1/2	5	1-3/4	1.750 ±.005	4.500 +.000 -.005	4.125 +.000 -.003	5.000 +.010 +.000	.377 +.005 +.000
HDLV-550-500-082	5	5-1/2	13/16	.813 ±.005	5.000 +.000 -.005	N/A	5.500 +.010 +.000	N/A
HDLV-1742-550	5	5-1/2	1	1.000 ±.005	5.000 +.000 -.005	4.625 +.000 -.003	5.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-550-050FB	5	5-1/2	1-1/4	1.250 ±.005	5.000 +.000 -.005	4.625 +.000 -.003	5.500 +.010 +.000	.377 +.005 +.000
HDLV-603-503-150	5.03	6.03	1-1/2	1.500 ±.005	5.030 +.000 -.005	N/A	6.030 +.010 +.000	N/A
HDLV-1740-600	5-1/2	6	3/4	.750 ±.005	5.500 +.000 -.005	5.125 +.000 -.003	6.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-600	5-1/2	6	1	1.000 ±.005	5.500 +.000 -.005	5.125 +.000 -.003	6.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-600-050FB	5-1/2	6	1-1/8	1.125 ±.005	5.500 +.000 -.005	5.125 +.000 -.003	6.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-600-100FB	5-1/2	6	1-3/4	1.750 ±.005	5.500 +.000 -.005	5.125 +.000 -.003	6.000 +.010 +.000	.377 +.005 +.000

HYDROLOCK VEE PACKING SETS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER	D_2 BASE GROOVE WIDTH
HDLV-1740-627	5-3/4	6.265	3/4	.750 ±.005	5.750 +.000 -.005	5.375 +.000 -.003	6.265 +.010 +.000	.377 +.005 +.000
HDLV-1742-650	6	6-1/2	1	1.000 ±.005	6.000 +.000 -.005	5.625 +.000 -.003	6.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-650-050FB	6	6-1/2	1-1/4	1.250 ±.005	6.000 +.000 -.005	5.625 +.000 -.003	6.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-650-100FB	6	6-1/2	1-3/4	1.750 ±.005	6.000 +.000 -.005	5.625 +.000 -.003	6.500 +.010 +.000	.377 +.005 +.000
HDLV-703-603-150	6.03	7.03	1-1/2	1.500 ±.005	6.030 +.000 -.005	N/A	7.030 +.010 +.000	N/A
HDLV-1742-700	6-1/2	7	1	1.000 ±.005	6.500 +.000 -.005	6.125 +.000 -.003	7.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-700-100FB	6-1/2	7	1-3/4	1.750 ±.005	6.500 +.000 -.005	6.125 +.000 -.003	7.000 +.010 +.000	.377 +.005 +.000
HDLV-1741-725	6-3/4	7-1/4	7/8	.875 ±.005	6.750 +.000 -.005	N/A	7.250 +.010 +.000	N/A
HDLV-1742-750	7	7-1/2	1	1.000 ±.005	7.000 +.000 -.005	6.625 +.000 -.003	7.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-750-100FB	7	7-1/2	1-3/4	1.750 ±.005	7.000 +.000 -.005	6.625 +.000 -.003	7.500 +.010 +.000	.377 +.005 +.000
HDLV-800-080	7-1/2	8	.8	.800 ±.005	7.500 +.000 -.005	7.125 +.000 -.003	8.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-800	7-1/2	8	1	1.000 ±.005	7.500 +.000 -.005	7.125 +.000 -.003	8.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-800-100FB	7-1/2	8	1-3/4	1.750 ±.005	7.500 +.000 -.005	7.125 +.000 -.003	8.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-850-100FB	8	8-1/2	1-3/4	1.750 ±.005	8.000 +.000 -.005	7.625 +.000 -.003	8.500 +.010 +.000	.377 +.005 +.000
HDLV-1742-900	8-1/2	9	1	1.000 ±.005	8.500 +.000 -.005	8.125 +.000 -.003	9.000 +.010 +.000	.377 +.005 +.000
HDLV-1742-900-100FB	8-1/2	9	1-3/4	1.750 ±.005	8.500 +.000 -.005	8.125 +.000 -.003	9.000 +.010 +.000	.377 +.005 +.000

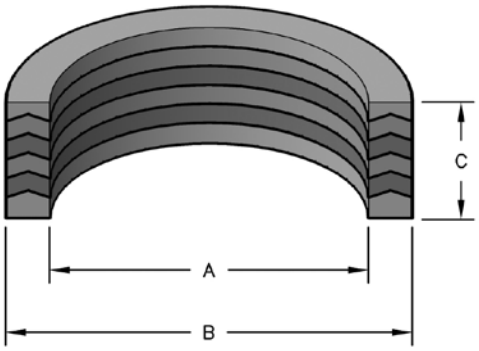
GUIDELOCK PISTON BEARINGS

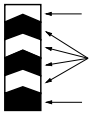
Molded from glass filled nylon, these step-cut bearings also act as retainers for Hydrolock vee sets. The following bore sizes are available.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
HDLG-200	1-3/8	2	5/16
HDLG-250	1-3/4	2-1/2	3/8
HDLG-300	2-1/4	3	3/8
HDLG-325	2-1/2	3-1/4	3/8
HDLG-350	2-3/4	3-1/2	3/8
HDLG-400	3-1/4	4	1/2
HDLG-450	3-3/4	4-1/2	1/2
HDLG-500	4-1/8	5	1/2
HDLG-550	4-5/8	5-1/2	1/2
HDLG-600	5-1/8	6	1/2
HDLG-627	5-3/8	6.27	1/2
HDLG-650	5-5/8	6-1/2	1/2
HDLG-700	6-1/8	7	1/2
HDLG-750	6-5/8	7-1/2	1/2
HDLG-800	7-1/8	8	1/2
HDLG-900	8-1/8	9	1/2

VEE PACKING SETS

Our vee sets are the finest quality available in the industry. While all sets incorporate fabric reinforced rubber pressure rings, one or two urethane rings are included to improve low pressure sealing, when it is feasible. Most sets use nylon adaptors. Properly installed the pressure limits are as follows:





PART NUMBERS

VS 037 03 X 075

Type of Seal | Inside Diameter | Cross Section | Height

3,000 PSI = 4 VEES
5,000 PSI = 5 VEES
10,000 PSI = 6 VEES

CONSTRUCTION CODE
Example: FA-2U-3F-MA

FA - 1 TOP ADAPTOR
2U - 2 URETHANE VEE RINGS
2F - 2 FABRIC VEE RINGS
MA - 1 BOTTOM ADAPTOR

U= SPECIAL URETHANE VEE
H= HYTREL
W= WIPER INCLUDED

SEAL INFORMATION

MATERIAL	FABRIC REINFORCED RUBBER URETHANE RING/NYLON ADAPTORS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 10,000 PSI
SPEED	1.5 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS03703X075	3/8	3/4	3/4	FA-4F-MA
VS03704X050	3/8	7/8	1/2	FA-1F-MA
VS05003X062	1/2	7/8	5/8	FA-3F-MA
VS05004X075	1/2	1	3/4	FA-3F-MA
VS05004X087	1/2	1	7/8	FA-4F-MA
VS06203X082	5/8	1	13/16	FA-4F-MA
VS06204X100	5/8	1-1/8	1	FA-5F-MA
VS06205X125	5/8	1-1/4	1-1/4	FA-5F-MA
VS07503X075	3/4	1-1/8	3/4	FA-3F-MA
VS07503X082	3/4	1-1/8	13/16	FA-4F-MA
VS07504X068	3/4	1-1/4	11/16	FA-2F-MA
VS07504X100	3/4	1-1/4	1	FA-5F-MA
VS07505X103	3/4	1-3/8	1-1/32	FA-4F-MA
VS07506X112	3/4	1-1/2	1-1/8	FA-3F-MA
VS08104X071	13/16	1-5/16	.71	4F-MA
VS08104X087	13/16	1-5/16	7/8	FA-4F-MA
VS08703X075	7/8	1-1/4	3/4	FA-3F-MA
VS08704X075	7/8	1-3/8	3/4	FA-3F-MA
VS08704X100	7/8	1-3/8	1	FA-4F-MA
VS08705X103	7/8	1-1/2	1-1/32	FA-4F-MA
VS10003X095	1	1-3/8	61/64	FA-2U-3F-MA
VS10003X100	1	1-3/8	1	FA-6F-MA
VS10004X075	1	1-1/2	3/4	FA-3F-MA
VS10004X100	1	1-1/2	1	FA-5F-MA
VS10004X112	1	1-1/2	1-1/8	FA-6F-MA
VS10005X103	1	1-5/8	1-1/32	FA-4F-MA
VS10006X100	1	1-3/4	1	FA-3F-MA
VS10604X100	1-1/16	1-9/16	1	FA-5F-MA
VS11204X087	1-1/8	1-5/8	7/8	FA-4F-MA
VS11205X103	1-1/8	1-3/4	1-1/32	FA-4F-MA
VS11803X125	1-3/16	1-9/16	1-1/4	FA-6F-MA
VS11804X087	1-3/16	1-11/16	7/8	FA-4F-MA
VS12504X075	1-1/4	1-3/4	3/4	FA-3F-MA
VS12504X082	1-1/4	1-3/4	.82	FA-2U-2F-MA

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS12504X078	1-1/4	1-3/4	7/8	FA-3R-2T-MA
VS12504X100	1-1/4	1-3/4	1	FA-5F-MA
VS12504X112	1-1/4	1-3/4	1-1/8	FA-6F-MA
VS12505X103	1-1/4	1-7/8	1-1/32	FA-4F-MA
VS12506X100	1-1/4	2	1	FA-1U-2F-MA
VS12508X100	1-1/4	2-1/4	1	FA-2F-MA
VS12508X150	1-1/4	2-1/4	1-1/2	FA-4F-MA
VS13703X106	1-3/8	1-3/4	1-1/16	FA-6F-MA
VS13704X075	1-3/8	1-7/8	3/4	FA-3F-MA
VS13704X100	1-3/8	1-7/8	1	FA-2U-3F-MA
VS13705X103	1-3/8	2	1-1/32	FA-4F-MA
VS13706X125	1-3/8	2-1/8	1-1/4	FA-4F-MA
VS15003X082	1-1/2	1-7/8	.82	FA-2U-3F-MA
VS15004X075	1-1/2	2	3/4	FA-1U-2F-MA
VS15004X082	1-1/2	2	.82	FA-4F-MA
VS15004X087	1-1/2	2	7/8	FA-1U-3F-MA
VS15004X100	1-1/2	2	1	FA-2U-3F-MA
VS15004X112	1-1/2	2	1-1/8	FA-2U-4F-MA
VS15004X125	1-1/2	2	1-1/4	FA-7F-MA
VS15005X103	1-1/2	2-1/8	1.031	FA-2U-2F-MA
VS15005X106	1-1/2	2-1/8	1-1/16	FA-3R-2T-MA
VS15005X118	1-1/2	2-1/8	1-3/16	FA-5F-MA
VS15006X100	1-1/2	2-1/4	1	FA-3F-MA
VS15007X175	1-1/2	2-3/8	1-3/4	FA-5F-MA
VS15008X125	1-1/2	2-1/2	1-1/4	FA-1U-2F-MA
VS15008X150	1-1/2	2-1/2	1-1/2	FA-2U-2F-MA
VS16204X075	1-5/8	2-1/8	3/4	FA-3U-MA
VS16204X100	1-5/8	2-1/8	1	FA-5F-MA
VS16204X112	1-5/8	2-1/8	1-1/8	FA-6F-MA
VS16205X087	1-5/8	2-1/4	7/8	FA-3F-MA
VS16205X103	1-5/8	2-1/4	1-1/32	FA-4F-MA
VS17503X087	1-3/4	2-1/8	7/8	FA-2U-3F-MA
VS17503X043	1-3/4	2-1/8	23	4F
VS17504X068	1-3/4	2-1/4	11/16	FA-2R-2T

VEE PACKING SETS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS17504X082	1-3/4	2-1/4	.82	FA-1U-3F-MA
VS17504X087	1-3/4	2-1/4	7/8	FA-1U-3F-MA
VS17504X100	1-3/4	2-1/4	1	FA-5F-MA
VS17504X112	1-3/4	2-1/4	1-1/8	FA-2U-4F-MA
VS17505X089	1-3/4	2-3/8	.894	FA-1U-2F-MA
VS17505X100S	1-3/4	2-3/8	1	FA-3R-2T
VS17505X103	1-3/4	2-3/8	1-1/32	FA-2U-2F-MA
VS17505X112	1-3/4	2-3/8	1-1/8	FA-5F-MA
VS17505X118	1-3/4	2-3/8	1-3/16	FA-5F-MA
VS17506X100	1-3/4	2-1/2	1	FA-3F-MA
VS17506X111H	1-3/4	2-1/2	1.11	FA-4R-MA
VS17506X156	1-3/4	2-1/2	1-9/16	FA-6F-MA
VS18704X112	1-7/8	2-3/8	1-1/8	FA-6F-MA
VS18705X103	1-7/8	2-1/2	1-1/32	FA-4F-MA
VS18706X112	1-7/8	2-5/8	1-1/8	FA-4F-MA
VS19304X112	1-15/16	2-7/16	1-1/8	FA-6F-MA
VS20003X075	2	2-3/8	3/4	FA-4F-MA
VS20004X062	2	2-1/2	5/8	FA-1U-1F-MA
VS20004X082	2	2-1/2	.82	FA-4F-MA
VS20004X087	2	2-1/2	7/8	FA-2U-2F-MA
VS20004X087W	2	2-1/2	7/8	2U-2F
VS20004X100	2	2-1/2	1	FA-2U-3F-MA
VS20004X112	2	2-1/2	1-1/8	FA-2U-4F-MA
VS20005X087	2	2-5/8	7/8	FA-3F-MA
VS20005X103	2	2-5/8	1-1/32	FA-4F-MA
VS20006X100	2	2-3/4	1	FA-1U-2F-MA
VS20006X118	2	2-3/4	1-3/16	FA-2U-2F-MA
VS20006X137	2	2-3/4	1-3/8	FA-2U-3F-MA
VS20008X125	2	3	1-1/4	FA-3F-MA
VS20008X150	2	3	1-1/2	FA-4F-MA
VS21204X087F	2-1/8	2-5/8	7/8	FA-4F-MA
VS21205X103	2-1/8	2-3/4	1-1/32	FA-4F-MA
VS21206X118	2-1/8	2-7/8	1-3/16	FA-4F-MA
VS21206X137	2-1/8	2-7/8	1-3/8	FA-5F-MA
VS21806X3V	2-3/16	2-15/16	.561	3F
VS21806X156	2-3/16	2-15/16	1-9/16	FA-6F-MA
VS22004X100	2.2	2.7	1	FA-2U-3F-MA
VS22504X082	2-1/4	2-3/4	.82	FA-1U-3F-MA
VS22504X100	2-1/4	2-3/4	1	FA-2U-3F-MA
VS22505X103	2-1/4	2-7/8	1-1/32	FA-4F-MA
VS22505X118	2-1/4	2-7/8	1-3/16	FA-5F-MA
VS22506X100	2-1/4	3	1	FA-3F-MA
VS22506X111H	2-1/4	3	1.13	FA-4R-MA
VS22508X150	2-1/4	3-1/4	1-1/2	FA-4F-MA
VS23704X100	2-3/8	2-7/8	1	FA-5F-MA
VS23705X103	2-3/8	3	1-1/32	FA-4F-MA
VS23705X118	2-3/8	3	1-3/16	FA-5F-MA
VS23706X125	2-3/8	3-1/8	1-1/4	FA-4F-MA
VS25003X043	2-1/2	2-7/8	7/16	4F
VS25004X075	2-1/2	3	3/4	FA-1U-2F-MA
VS25004X082	2-1/2	3	.82	FA-4F-MA
VS25004X087	2-1/2	3	7/8	FA-1U-3F-MA
VS25004X100	2-1/2	3	1	FA-2U-3F-MA
VS25004X112	2-1/2	3	1-1/8	FA-2U-4F-MA
VS25005X087	2-1/2	3-1/8	7/8	FA-3F-MA
VS25005X118	2-1/2	3-1/8	1-3/16	FA-2U-3F-MA
VS25005X118U	2-1/2	3-1/8	1-3/16	FA-1U-3F-MA
VS25006X100	2-1/2	3-1/4	1	FA-1U-2F-MA

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS25006X102	2-1/2	3-1/4	1.02	FA-1U-2F-MA
VS25006X137	2-1/2	3-1/4	1-3/8	FA-2U-3F-MA
VS25008X125	2-1/2	3-1/2	1-1/4	FA-3F-MA
VS26204X087	2-5/8	3-1/8	7/8	FA-2U-2F-MA
VS26204X137	2-5/8	3-1/8	1-3/8	FA-7F-MA
VS26205X075	2-5/8	3-1/4	3/4	FA-2U-2T
VS26205X100	2-5/8	3-1/4	1.11	FA-4F-MA
VS26206X118	2-5/8	3-3/8	1-3/16	FA-3F-MA
VS27006X106	2.7	3.45	1-1/16	FA-1U-2F-MA
VS27504X075	2-3/4	3-1/4	3/4	FA-2N-1R-MA
VS27504X087	2-3/4	3-1/4	7/8	FA-4F-MA
VS27504X100	2-3/4	3-1/4	1	FA-1U-4F-MA
VS27505X103	2-3/4	3-3/8	1-1/32	FA-2U-2F-MA
VS27506X100	2-3/4	3-1/2	1	FA-3F-MA
VS27506X112	2-3/4	3-1/2	1-1/8	FA-3R-2T
VS27506X111H	2-3/4	3-1/2	1.15	FA-4R-MA
VS27506X118	2-3/4	3-1/2	1-3/16	FA-2U-2F-MA
VS27506X150	2-3/4	3-1/2	1-1/2	FA-3U-3F-MA
VS27508X200	2-3/4	3-3/4	2	FA-6F-MA
VS27706X100	2.775	3.525	1	FA-3F-MA
VS27706X125	2.775	3.525	1-1/4	FA-1U-3F-MA
VS28704X100	2-7/8	3-3/8	1	FA-4F-MA
VS29504X100	2.95	3.45	1	FA-2U-3F-MA
VS29704.4X112W	2.97	3.52	1-1/8	2U-3F-MA
VS30004X062	3	3-1/2	5/8	FA-2F-MA
VS30004X087	3	3-1/2	7/8	FA-4F-MA
VS30004X087U	3	3-1/2	7/8	FA-1U-3F-MA
VS30004X087W	3	3-1/2	7/8	4F
VS30004X100	3	3-1/2	1	FA-2U-3F-MA
VS30004X112	3	3-1/2	1-1/8	FA-2U-4F-MA
VS30005X089	3	3-5/8	.894	FA-1U-2F-MA
VS30005X103	3	3-5/8	1-1/32	FA-4F-MA
VS30006X100	3	3-3/4	1	FA-1U-2F-MA
VS30006X118	3	3-3/4	1-3/16	FA-2U-2F-MA
VS30006X137	3	3-3/4	1-3/8	FA-2U-3F-MA
VS30006X137U	3	3-3/4	1-3/8	FA-1U-3F-MA
VS30008X150	3	4	1-1/2	FA-2U-2F-MA
VS31203X087W	3-1/8	3-1/2	7/8	2U-2F
VS31206X100	3-1/8	3-7/8	1	FA-2R-2T
VS32503X043	3-1/4	3-5/8	7/16	4F
VS32504X082	3-1/4	3-3/4	.82	FA-4F-MA
VS32504X100	3-1/4	3-3/4	1	FA-5F-MA
VS32504X125	3-1/4	3-3/4	1-1/4	FA-2U-3F-MA
VS32504X125W	3-1/4	3-3/4	1-1/4	FA-2U-3F-MA
VS32505X100	3-1/4	3-7/8	1	FA-4F-MA
VS32506X118	3-1/4	4	1-3/16	FA-4F-MA
VS32506X137	3-1/4	4	1-3/8	FA-5F-MA
VS32506X156	3-1/4	4	1-9/16	FA-6F-MA
VS32508X150	3-1/4	4-1/4	1-1/2	FA-2U-2F-MA
VS32706X118	3.275	4.025	1.187	FA-4F-MA
VS33704X100	3-3/8	3-7/8	1	FA-5F-MA
VS33704X112	3-3/8	3-7/8	1-1/8	FA-6F-MA
VS33705X087	3-3/8	4	7/8	FA-3F-MA
VS33705X103	3-3/8	4	1-1/32	FA-4F-MA
VS33706X100	3-3/8	4-1/8	1	FA-3F-MA
VS33706X118	3-3/8	4-1/8	1-3/16	FA-4F-MA
VS34506.4X150	3.45	4-1/4	1-1/2	FA-2U-3F-MA
VS35004X075	3-1/2	4	3/4	FA-1U-2F-MA

VEE PACKING SETS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS35004X082	3-1/2	4	.82	FA-4F-MA
VS35004X100	3-1/2	4	1	FA-2U-3F-MA
VS35004X150	3-1/2	4	1-1/2	FA-3U-6F-MA
VS35006X100	3-1/2	4-1/4	1	FA-3F-MA
VS35006X118	3-1/2	4-1/4	1-3/16	FA-2U-2F-MA
VS35006X150	3-1/2	4-1/4	1-1/2	FA-5F-MA
VS35008X125	3-1/2	4-1/2	1-1/4	FA-3F-MA
VS35012X150	3-1/2	5	1-1/2	FA-3F-MA
VS35012X225	3-1/2	5	2-1/4	FA-4F-MA
VS35804.2X100W	3.58	4.11	1	FA-2U-3F-MA
VS37504X082	3-3/4	4-1/4	.82	FA-4F-MA
VS37504X100	3-3/4	4-1/4	1	FA-2U-3F-MA
VS37505X087	3-3/4	4-3/8	7/8	FA-3F-MA
VS37505X106	3-3/4	4-3/8	1-1/16	FA-2U-2F-MA
VS37505X118W	3-3/4	4-3/8	1-3/16	FA-2U-2F-MA
VS37506X106	3-3/4	4-1/2	1-1/16	FA-2R-2T
VS37506X118	3-3/4	4-1/2	1-3/16	FA-2U-2F-MA
VS37506X137	3-3/4	4-1/2	1-3/8	FA-2U-3F-MA
VS38704X075	3-7/8	4-3/8	3/4	4F-MA
VS39704.4X100W	3.97	4.52	1	2U-3F-MA
VS40004X087W	4	4-1/2	7/8	2U-2R
VS40004X100	4	4-1/2	1	FA-2U-3F-MA
VS40004X112	4	4-1/2	1-1/8	FA-2U-4F-MA
VS40006X118	4	4-3/4	1-3/16	FA-2U-2F-MA
VS40007X112	4	4-7/8	1-1/8	FA-3F-MA
VS40007X131	4	4-7/8	1-5/16	FA-4F-MA
VS40007X175	4	4-7/8	1-3/4	FA-6F-MA
VS40008X131	4	5	1-5/16	FA-1U-2F-MA
VS40008X137	4	5	1-3/8	3U-2F
VS40008X156	4	5	1-9/16	FA-4F-MA
VS40606X100	4-1/16	4-13/16	1	FA-3F-MA
VS42504X100	4-1/4	4-3/4	1	FA-5F-MA
VS42504X125	4-1/4	4-3/4	1-1/4	FA-3U-4F-MA
VS42504X125W	4-1/4	4-3/4	1-1/4	FA-2U-3F-MA
VS42506X100	4-1/4	5	1	FA-3F-MA
VS42506X150	4-1/4	5	1-1/2	FA-6F-MA
VS42506X162	4-1/4	5	1-5/8	FA-6F-MA
VS42507X150	4-1/4	5-1/8	1-1/2	FA-5F-MA
VS42508X162	4-1/4	5-1/4	1-5/8	FA-4F-MA
VS43704X100	4-3/8	4-7/8	1	FA-5F-MA
VS44704.4X093	4.475	5.025	15/16	3U-2F
VS45004X087	4-1/2	5	7/8	FA-4F-MA
VS45004X087A	4-1/2	5	7/8	FA-2U-2F-MA
VS45004X100	4-1/2	5	1	FA-5F-MA
VS45005X137	4-1/2	5-1/8	1-3/8	FA-6F-MA
VS45006X100	4-1/2	5-1/4	1	FA-1U-2F-MA
VS45006X150	4-1/2	5-1/4	1-1/2	FA-6F-MA
VS45007X118	4-1/2	5-3/8	1-3/16	FA-2R-2T
VS45007X137	4-1/2	5-3/8	1-3/8	FA-4F-MA
VS45008X125	4-1/2	5-1/2	1-1/4	FA-3F-MA
VS46205X112	4-5/8	5-1/4	1	FA-4F-MA
VS47504X087	4-3/4	5-1/4	7/8	FA-4F-MA
VS47504X100	4-3/4	5-1/4	1	FA-5F-MA
VS47505X125W	4-3/4	5-3/8	1-1/4	FA-2U-2F-MA
VS47506X087	4-3/4	5-1/2	7/8	2N-1R-MA
VS47506X118	4-3/4	5-1/2	1-3/16	FA-2U-2F-MA
VS47506X137	4-3/4	5-1/2	1-3/8	FA-5F-MA
VS47506XXX	4-3/4	5-1/2	1-3/4	7F

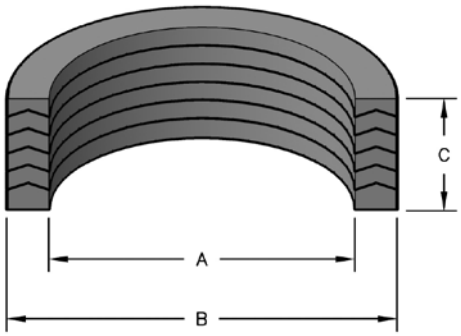
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS47507X150	4-3/4	5-5/8	1-1/2	FA-5F-MA
VS49704.4X112W	4.97	5.52	1-1/8	2U-3F-MA
VS50004X087	5	5-1/2	7/8	FA-2U-2F-MA
VS50004X100	5	5-1/2	1	FA-2U-3F-MA
VS50004X112W	5	5-1/2	1	FA-2U-3F-MA
VS50004X112	5	5-1/2	1-1/8	FA-2U-4F-MA
VS50005X103	5	5-5/8	1-1/32	FA-4F-MA
VS50006X150	5	5-3/4	1-1/2	FA-6F-MA
VS50007X131	5	5-7/8	1-5/16	FA-4F-MA
VS50008X125	5	6	1-1/4	FA-1U-2F-MA
VS50008X175	5	6	1-3/4	FA-2U-3F-MA
VS51204X100	5-1/8	5-5/8	1	FA-5F-MA
VS51204X112	5-1/8	5-5/8	1-1/8	FA-6F-MA
VS52504X125	5-1/4	5-3/4	1-1/4	FA-2U-3F-MA
VS52506X087	5-1/4	6	7/8	2N-1R-MA
VS52506X118	5-1/4	6	1-3/16	FA-4F-MA
VS52508X122	5-1/4	6-1/4	1.22	FA-3F-MA
VS53707X150	5-3/8	6-1/4	1-1/2	FA-5F-MA
VS54404X112W	5.445	5.945	1-1/8	FA-2U-3F-MA
VS54704.4X093	5.475	6.025	15/16	3U-2F
VS55004X075	5-1/2	6	3/4	FA-3F-MA
VS55004X100	5-1/2	6	1	FA-5F-MA
VS55006X175	5-1/2	6-1/4	1-3/4	FA-7F-MA
VS55008X125	5-1/2	6-1/2	1-1/4	FA-3F-MA
VS55008X175	5-1/2	6-1/2	1-3/4	FA-5F-MA
VS57006X106	5.7	6.45	1-1/16	FA-1U-2F-MA
VS57504X100	5-3/4	6-1/4	1	FA-5F-MA
VS57504X112	5-3/4	6-1/4	1-1/8	FA-6F-MA
VS57505X087	5-3/4	6-3/8	7/8	FA-2R-2T
VS57505X125W	5-3/4	6-3/8	1-1/4	FA-2U-2F-MA
VS57506X100	5-3/4	6-1/2	1	FA-3F-MA
VS57506X137	5-3/4	6-1/2	1-3/8	FA-5F-MA
VS57508X175	5-3/4	6-3/4	1-3/4	FA-5F-MA
VS58704X100W	5-7/8	6-3/8	1	FA-4F-MA
VS59704.4X112W	5.97	6.52	1-1/8	2U-3F-MA
VS60004X087W	6	6-1/2	7/8	2U-2F
VS60004X100	6	6-1/2	1	FA-2U-3F-MA
VS60004X112W	6	6-1/2	1	FA-2U-3F-MA
VS60004X112	6	6-1/2	1-1/8	FA-2U-4F-MA
VS60006X100	6	6-3/4	1	FA-1U-2F-MA
VS60008X150	6	7	1-1/2	FA-4F-MA
VS60010X175	6	7-1/4	1-3/4	FA-4F-MA
VS62505X125	6-1/4	6-7/8	1-1/4	FA-2U-3F-MA
VS62505X125W	6-1/4	6-7/8	1-1/4	FA-2U-3F-MA
VS62506X118	6-1/4	7	1-3/16	FA-4F-MA
VS64404X112W	6.445	6.945	1-1/8	FA-2U-3F-MA
VS64704.4X093	6.475	7.025	15/16	3U-2F
VS65004X100	6-1/2	7	1	FA-1U-4F-MA
VS65006X137	6-1/2	7-1/4	1-3/8	FA-5F-MA
VS65008X150	6-1/2	7-1/2	1-1/2	FA-4F-MA
VS67504X100	6-3/4	7-1/4	1	FA-5F-MA
VS67505X125	6-3/4	7-3/8	1-1/4	FA-2U-3F-MA
VS67505X125W	6-3/4	7-3/8	1-1/4	FA-2U-2F-MA
VS67506X118	6-3/4	7-1/2	1-3/16	FA-4F-MA
VS69704.4X112W	6.97	7.52	1-1/8	2U-3F-MA
VS70004X100	7	7-1/2	1	FA-2U-3F-MA
VS70004X112	7	7-1/2	1-1/8	FA-2U-4F-MA
VS70004X112W	7	7-1/2	1-1/8	FA-2U-3F-MA

VEE PACKING SETS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
VS70008X125	7	8	1-1/4	FA-1U-2F-MA
VS70008X200	7	8	2	FA-3U-3F-MA
VS72504X087	7-1/4	7-3/4	7/8	FA-4F-MA
VS74404X112W	7.445	7.945	1-1/8	FA-2U-3F-MA
VS75004X100	7-1/2	8	1	FA-2U-3F-MA
VS75005X125	7-1/2	8-1/8	1-1/4	FA-2U-3F-MA
VS75005X125W	7-1/2	8-1/8	1-1/4	FA-2U-3F-MA
VS75006X109	7-1/2	8-1/4	1-3/32	3U-2F-MA
VS79005.1X125W	7.905	8.543	1-1/4	FA-2U-2F-MA
VS79704.4X112W	7.97	8.52	1-1/8	2U-3F-MA
VS80004X075	8	8-1/2	3/4	FA-1U-2F-MA
VS80004X100	8	8-1/2	1	FA-2U-3F-MA
VS80004X112W	8	8-1/2	1-1/8	FA-2U-3F-MA
VS80006X118	8	8-3/4	1-3/16	FA-4F-MA
VS80008X200	8	9	2	FA-6F-MA
VS81204X112	8-1/8	8-5/8	1-1/8	FA-1U-5F-MA
VS82504X112	8-1/4	8-3/4	1-1/8	FA-6F-MA
VS82506X118W	8-1/4	9	1-3/16	FA-1U-3F-MA
VS85004X100	8-1/2	9	1	FA-2U-3F-MA
VS85008X187	8-1/2	9-1/2	1-7/8	FA-5F-MA
VS87505X125	8-3/4	9-3/8	1-1/4	FA-6F-MA
VS87505X125W	8-3/4	9-3/8	1-1/4	FA-2U-3F-MA
VS90004X125	9	9-1/2	1-1/4	FA-7F-MA
VS90006X118W	9	9-3/4	1-3/16	FA-4F-MA
VS90008X187	9	10	1-7/8	FA-5F-MA
VS91204.5X112W	9-1/8	9-11/16	1-1/8	2U-2F-MA
VS91205X125W	9-1/8	9-3/4	1-1/4	FA-2U-3F-MA
VS93705X121W	9-3/8	10	1-7/32	FA-4F-MA
VS95004X100	9-1/2	10	1	FA-5F-MA
VS95006X118	9-1/2	10-1/4	1-3/16	FA-4F-MA
VS97506X100W	9-3/4	10-1/2	1	1U-3F-MA
VS100008X187	10	11	1-7/8	FA-5F-MA
VS105004X100	10-1/2	11	1	FA-5F-MA
VS105008X187	10-1/2	11-1/2	1-7/8	FA-5F-MA
VS110008X187	11	12	1-7/8	FA-5F-MA
VS112506X125	11-1/4	12	1-1/4	FA-2N-2U-MA
VS120008X187	12	13	1-7/8	FA-5F-MA
VS140008X187	14	15	1-7/8	FA-5F-MA

FLUOROCARBON VEE PACKING SETS

Not different in application from standard vee sets, these sets are made entirely of cotton duck and fluorocarbon. Excellent heat resistance.

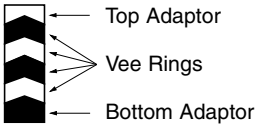


PART NUMBERS

VS 100 04 X 100V

Type of Seal | Inside Diameter | Cross Section | Height

3,000 PSI = 4 VEES
5,000 PSI = 5 VEES



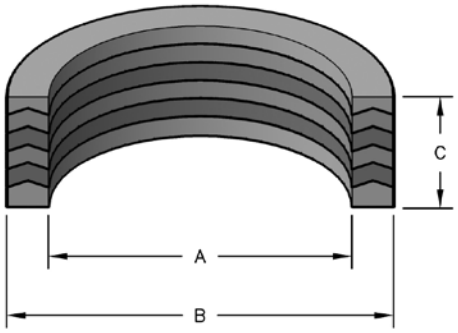
SEAL INFORMATION	
MATERIAL	FLUOROCARBON / DUCK
TEMPERATURE RANGE	-20° TO +350° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
VS10004X100V	1	1-1/2	1
VS15005X100V	1-1/2	2-1/8	1
VS17505X100V	1-3/4	2-3/8	1
VS17506X100V	1-3/4	2-1/2	1
VS18705X100V	1-7/8	2-1/2	1
VS20004X100V	2	2-1/2	1
VS20005X100V	2	2-5/8	1
VS20006X100V	2	2-3/4	1
VS21206X100V	2-1/8	2-7/8	1
VS22504X100V	2-1/4	2-3/4	1
VS25004X100V	2-1/2	3	1
VS25005X100V	2-1/2	3-1/8	1
VS25006X100V	2-1/2	3-1/4	1
VS27506X100V	2-3/4	3-1/2	1
VS30004X100V	3	3-1/2	1
VS30005X100V	3	3-5/8	1
VS30006X100V	3	3-3/4	1
VS32506X100V	3-1/4	4	1
VS35004X100V	3-1/2	4	1
VS35006X100V	3-1/2	4-1/4	1
VS35008X112V	3-1/2	4-1/2	1-1/8
VS37506X100V	3-3/4	4-1/2	1
VS40006X100V	4	4-3/4	1
VS40008X094V	4	5	.94
VS42507X106V	4-1/4	5-1/8	1-1/16
VS45008X112V	4-1/2	5-1/2	1-1/8
VS50004X100V	5	5-1/2	1
VS50006X100V	5	5-3/4	1
VS50007X109V	5	5-7/8	1.09
VS57506X100V	5-3/4	6-1/2	1

Seal color may vary.

CASCADE VEE SETS

Employed mainly in cylinders made by Cascade Corp., these vee sets are often over-sized or are different from standard vee sets. They are often used with Follower bearings

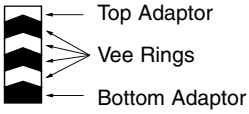


PART NUMBERS

CAS - C7501

Prefix — OEM Number

3,000 PSI = 4 VEES
5,000 PSI = 5 VEES
10,000 PSI = 6 VEES

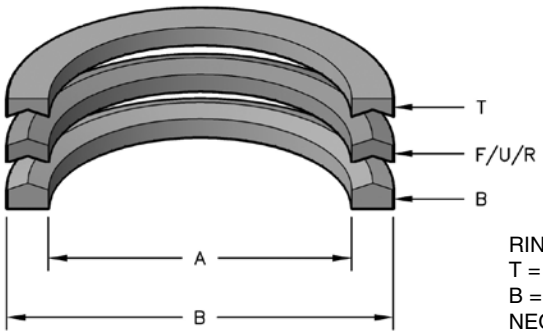


SEAL INFORMATION	
MATERIAL	FABRIC REINFORCED RUBBER & URETHANE RINGS/NYLON ADAPTORS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 10,000
SPEED	1.5 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
CAS-C7501	7/8	1-3/8	3/4
CAS-7500	1	1-1/2	.781
CAS-C1809	1-1/4	1-3/4	.671
CAS-C7502	1-1/2	2	.781
CAS-C7606	1-3/4	2.265	.635
CAS-7505	1-3/4	2.265	.781
CAS-C7609	2	2.515	5/8
CAS-C1861	2	2.76	1.218
CAS-1468	2-1/4	3.02	1.03
CAS-7542A	2.45	3.02	.671
CAS-7633	2-1/2	3	1.094
CAS-7547	2-3/4	3.27	.85
CAS-C1469	2-3/4	3.52	1.03
CAS-C7608	3	3.52	.671
CAS-7565	3	3.52	.89
CAS-7514A	3.2	3.77	.781
CAS-7576	3.2	3.77	.828
CAS-1470	3-1/4	4.02	1
CAS-C7538	3-1/2	4.02	5/8
CAS-C7636	3-1/2	4.27	1.03
CAS-C7561	3-1/2	4.27	1.4
CAS-1471A	3-3/4	4.52	1
CAS-C827	3-3/4	4.52	1.218
CAS-C7554	4	4.77	.813
CAS-7525	4-1/4	5.03	1.2
CAS-7562	4-1/4	5.03	1.344
CAS-7651	6	6.53	7/8

INDIVIDUAL VEE RINGS & ADAPTORS

The individual vee rings and adaptors listed here are the same high quality product found in our assembled vee packing sets. Stocking individual vee rings allows you to assemble sets to your specific requirements.



PART NUMBERS

VR 050 03 F

Prefix — Inside Diameter — Cross Section — Type of Ring

RING TYPES
T = TOP ADAPTOR - NYLON
B = BOTTOM ADAPTOR - NYLON/ NEO-FAB
F = NEO-FAB VEE RING
U = URETHANE VEE RING
R = RUBBER VEE RING.
(FOR MORE RUBBER VEE RINGS SEE OUR STYLE 835 RINGS)

SEAL INFORMATION	
MATERIAL	NYLON, NEO-FAB, URETHANE
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

VEE RING STACK HEIGHTS WITH TOP & BOTTOM ADAPTORS									
# OF	VEE RING CROSS SECTIONS								
VEES	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
1	.410	.500	.562	.625	.645	.750	.812	.875	1.00
2	.520	.625	.719	.812	.863	1.000	1.093	1.187	1.375
3	.630	.750	.875	1.000	1.081	1.250	1.375	1.500	1.750
4	.740	.875	1.031	1.187	1.300	1.500	1.656	1.812	2.125
5	.850	1.000	1.187	1.375	1.517	1.750	1.937	2.125	2.500

Part Number	A Nom. ID	B Nom. OD
VR05003F	1/2	7/8
VR05003T	1/2	7/8
VR06204B	5/8	1-1/8
VR06204F	5/8	1-1/8
VR06204R	5/8	1-1/8
VR06204T	5/8	1-1/8
VR06204U	5/8	1-1/8
VR07504B	3/4	1-1/4
VR07504F	3/4	1-1/4
VR07504T	3/4	1-1/4
VR07505F	3/4	1-3/8
VR08703B	7/8	1-1/4
VR08703F	7/8	1-1/4
VR08703T	7/8	1-1/4
VR08704F	7/8	1-3/8
VR08705F	7/8	1-1/2
VR10004B	1	1-1/2
VR10004F	1	1-1/2
VR10004T	1	1-1/2
VR10005B	1	1-5/8
VR10005F	1	1-5/8
VR10005T	1	1-5/8
VR10006F	1	1-3/4
VR11204B	1-1/8	1-5/8

Part Number	A Nom. ID	B Nom. OD
VR11204F	1-1/8	1-5/8
VR11204T	1-1/8	1-5/8
VR12504B	1-1/4	1-3/4
VR12504F	1-1/4	1-3/4
VR12504T	1-1/4	1-3/4
VR12504U	1-1/4	1-3/4
VR12505F	1-1/4	1-7/8
VR12505T	1-1/4	1-7/8
VR12506B	1-1/4	2
VR12506F	1-1/4	2
VR12506T	1-1/4	2
VR12506U	1-1/4	2
VR13704B	1-3/8	1-7/8
VR13704B-25	1-3/8	1-7/8
VR13704F	1-3/8	1-7/8
VR13704R	1-3/8	1-7/8
VR13704T	1-3/8	1-7/8
VR13704U	1-3/8	1-7/8
VR13705B	1-3/8	2
VR13705F	1-3/8	2
VR13705T	1-3/8	2
VR13706B	1-3/8	2-1/8
VR13706F	1-3/8	2-1/8
VR13706T	1-3/8	2-1/8

INDIVIDUAL VEE RINGS & ADAPTORS

Part Number	A Nom. ID	B Nom. OD
VR15004B	1-1/2	2
VR15004F	1-1/2	2
VR15004R	1-1/2	2
VR15004T	1-1/2	2
VR15004U	1-1/2	2
VR15005B	1-1/2	2-1/8
VR15005F	1-1/2	2-1/8
VR15005T	1-1/2	2-1/8
VR15006B	1-1/2	2-1/4
VR15006F	1-1/2	2-1/4
VR15006R	1-1/2	2-1/4
VR15006T	1-1/2	2-1/4
VR15008B	1-1/2	2-1/2
VR15008F	1-1/2	2-1/2
VR15008T	1-1/2	2-1/2
VR15008U	1-1/2	2-1/2
VR16204B	1-5/8	2-1/8
VR16204F	1-5/8	2-1/8
VR16204T	1-5/8	2-1/8
VR16204U	1-5/8	2-1/8
VR16205B	1-5/8	2-1/4
VR16205F	1-5/8	2-1/4
VR16205T	1-5/8	2-1/4
VR17504B	1-3/4	2-1/4
VR17504B-20	1-3/4	2-1/4
VR17504F	1-3/4	2-1/4
VR17504T	1-3/4	2-1/4
VR17504U	1-3/4	2-1/4
VR17505B	1-3/4	2-3/8
VR17505F	1-3/4	2-3/8
VR17505T	1-3/4	2-3/8
VR17505U	1-3/4	2-3/8
VR17506B	1-3/4	2-1/2
VR17506F	1-3/4	2-1/2
VR17506T	1-3/4	2-1/2
VR17508B	1-3/4	2-3/4
VR17508F	1-3/4	2-3/4
VR17508T	1-3/4	2-3/4
VR18704B	1-7/8	2-3/8
VR18704F	1-7/8	2-3/8
VR18704R	1-7/8	2-3/8
VR18704T	1-7/8	2-3/8
VR18705B	1-7/8	2-1/2
VR18705F	1-7/8	2-1/2
VR18705T	1-7/8	2-1/2
VR20004B	2	2-1/2
VR20004F	2	2-1/2
VR20004R	2	2-1/2
VR20004T	2	2-1/2
VR20004U	2	2-1/2
VR20005B	2	2-5/8
VR20005F	2	2-5/8
VR20005T	2	2-5/8
VR20006B	2	2-3/4
VR20006F	2	2-3/4
VR20006T	2	2-3/4
VR20006U	2	2-3/4
VR22504B	2-1/4	2-3/4

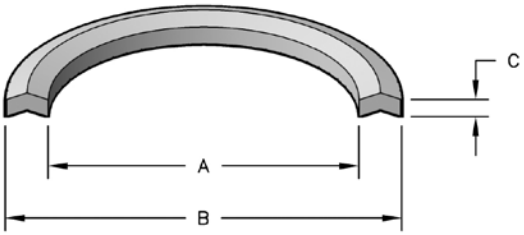
Part Number	A Nom. ID	B Nom. OD
VR22504F	2-1/4	2-3/4
VR22504T	2-1/4	2-3/4
VR22504U	2-1/4	2-3/4
VR22505B	2-1/4	2-7/8
VR22506B	2-1/4	3
VR22506F	2-1/4	3
VR22506R	2-1/4	3
VR22506T	2-1/4	3
VR25003B	2-1/2	2-7/8
VR25003F	2-1/2	2-7/8
VR25003T	2-1/2	2-7/8
VR25004B	2-1/2	3
VR25004F	2-1/2	3
VR25004R	2-1/2	3
VR25004T	2-1/2	3
VR25004U	2-1/2	3
VR25005B	2-1/2	3-1/8
VR25005F	2-1/2	3-1/8
VR25005T	2-1/2	3-1/8
VR25005U	2-1/2	3-1/8
VR25006B	2-1/2	3-1/4
VR25006F	2-1/2	3-1/4
VR25006T	2-1/2	3-1/4
VR25006U	2-1/2	3-1/4
VR25008B	2-1/2	3-1/2
VR25008F	2-1/2	3-1/2
VR25008T	2-1/2	3-1/2
VR26204F	2-5/8	3-1/8
VR26205U	2-5/8	3-1/4
VR27504B	2-3/4	3-1/4
VR27504F	2-3/4	3-1/4
VR27504T	2-3/4	3-1/4
VR27504U	2-3/4	3-1/4
VR27505B	2-3/4	3-3/8
VR27505F	2-3/4	3-3/8
VR27505T	2-3/4	3-3/8
VR27506B	2-3/4	3-1/2
VR27506F	2-3/4	3-1/2
VR27506T	2-3/4	3-1/2
VR27506U	2-3/4	3-1/2
VR27508F	2-3/4	3-3/4
VR30004B	3	3-1/2
VR30004B-25	3	3-1/2
VR30004F	3	3-1/2
VR30004R	3	3-1/2
VR30004T	3	3-1/2
VR30004U	3	3-1/2
VR30006B	3	3-3/4
VR30006F	3	3-3/4
VR30006T	3	3-3/4
VR30006U	3	3-3/4
VR32503B	3-1/4	3-5/8
VR32503F	3-1/4	3-5/8
VR32503T	3-1/4	3-5/8
VR32504B	3-1/4	3-3/4
VR32504F	3-1/4	3-3/4
VR32504T	3-1/4	3-3/4
VR32506B	3-1/4	4

INDIVIDUAL VEE RINGS & ADAPTORS

Part Number	A Nom. ID	B Nom. OD
VR32506F	3-1/4	4
VR32506T	3-1/4	4
VR34504F	3.45	4
VR35004B	3-1/2	4
VR35004F	3-1/2	4
VR35004T	3-1/2	4
VR35004U	3-1/2	4
VR35005B	3-1/2	4-1/8
VR35005F	3-1/2	4-1/8
VR35005T	3-1/2	4-1/8
VR35006B	3-1/2	4-1/4
VR35006F	3-1/2	4-1/4
VR35006T	3-1/2	4-1/4
VR35006U	3-1/2	4-1/4
VR35008B	3-1/2	4-1/2
VR35008F	3-1/2	4-1/2
VR35008T	3-1/2	4-1/2
VR37504B	3-3/4	4-1/4
VR37504F	3-3/4	4-1/4
VR37504T	3-3/4	4-1/4
VR37505B	3-3/4	4-3/8
VR37505F	3-3/4	4-3/8
VR37505T	3-3/4	4-3/8
VR37506B	3-3/4	4-1/2
VR37506F	3-3/4	4-1/2
VR37506T	3-3/4	4-1/2
VR37506U	3-3/4	4-1/2
VR38707T	3-7/8	4-3/4
VR40004B	4	4-1/2
VR40004B-25	4	4-1/2
VR40004F	4	4-1/2
VR40004T	4	4-1/2
VR40004U	4	4-1/2
VR40004R	4	4-1/2
VR40006B	4	4-3/4
VR40006F	4	4-3/4
VR40006T	4	4-3/4
VR40006U	4	4-3/4
VR40007F	4	4-7/8
VR40007T	4	4-7/8
VR40008B	4	5
VR40008F	4	5
VR40008T	4	5
VR40008U	4	5
VR42504B	4-1/4	4-3/4
VR42504F	4-1/4	4-3/4
VR42506B	4-1/4	5
VR42506F	4-1/4	5
VR42506T	4-1/4	5
VR42506U	4-1/4	5
VR42508B	4-1/4	5-1/4
VR42508F	4-1/4	5-1/4
VR42508T	4-1/4	5-1/4
VR45004B	4-1/2	5
VR45004F	4-1/2	5
VR45004T	4-1/2	5
VR45006F	4-1/2	5-1/4
VR47506B	4-3/4	5-1/2

Part Number	A Nom. ID	B Nom. OD
VR47506F	4-3/4	5-1/2
VR47506T	4-3/4	5-1/2
VR50004B	5	5-1/2
VR50004F	5	5-1/2
VR50004R	5	5-1/2
VR50004T	5	5-1/2
VR50004U	5	5-1/2
VR50008B	5	6
VR50008F	5	6
VR50008T	5	6
VR52504B	5-1/4	5-3/4
VR52504F	5-1/4	5-3/4
VR52506B	5-1/4	6
VR52506F	5-1/4	6
VR52506T	5-1/4	6
VR52508F	5-1/4	6-1/4
VR55004B	5-1/2	6
VR55004F	5-1/2	6
VR55004T	5-1/2	6
VR55004U	5-1/2	6
VR55006F	5-1/2	6-1/4
VR55008B	5-1/2	6-1/2
VR55008F	5-1/2	6-1/2
VR55008R	5-1/2	6-1/2
VR55008T	5-1/2	6-1/2
VR57505T	5-3/4	6-3/8
VR57506F	5-3/4	6-1/2
VR57508F	5-3/4	6-3/4
VR60004B	6	6-1/2
VR60004F	6	6-1/2
VR60004T	6	6-1/2
VR60004U	6	6-1/2
VR60008B	6	7
VR60008F	6	7
VR60008T	6	7
VR62506B	6-1/4	7
VR62506F	6-1/4	7
VR62506T	6-1/4	7
VR65008B	6-1/2	7-1/2
VR65008F	6-1/2	7-1/2
VR67506F	6-3/4	7-1/2
VR70004B	7	7-1/2
VR70004F	7	7-1/2
VR70004T	7	7-1/2
VR70004U	7	7-1/2
VR70008B	7	8
VR70008F	7	8
VR70008T	7	8
VR75006F	7-1/2	8-1/4
VR75006U	7-1/2	8-1/4
VR75006T	7-1/2	8-1/4
VR75008F	7-1/2	8-1/2
VR79209.9F	7.925	9.17
VR79209.9R	7.925	9.17
VR80004B	8	8-1/2
VR80004F	8	8-1/2
VR80004T	8	8-1/2
VR80008F	8	9

STYLE 935 PTFE VEE RINGS



PART NUMBERS

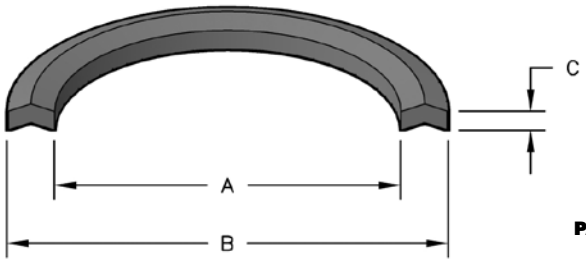
935 - 05

Prefix Size

SEAL INFORMATION	
MATERIAL	PTFE
TEMPERATURE RANGE	-100° TO +400° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
935-05	3/8	3/4	.083
935-16	3/4	1-1/4	.083
935-20	1	1-1/2	.083
935-24	1-1/4	1-3/4	.083
935-26	1-3/8	2	.14
935-27	1-1/2	2-1/8	.14
935-128	1-3/4	2-1/4	.083
935-29	1-3/4	2-3/8	.14
935-31	2	2-5/8	.14
935-2X2-3/4	2	2-3/4	.14
935-32	2-1/8	2-3/4	.14
935-33	2-1/4	2-7/8	.14
935-35	2-1/2	3-1/8	.14
935-135	2-5/8	3-1/4	.14
935-38	2-3/4	3-1/2	.156
935-41	3-1/8	3-7/8	.156
935-42	3-1/4	4	.156
935-44	3-1/2	4-1/4	.156
935-46	3-3/4	4-1/2	.156
935-48	3-7/8	4-3/4	5/32
935-50	4-1/4	5-1/8	.197
935-51	4-1/2	5-3/8	.197
935-156	5-3/4	6-3/8	.14

STYLE 835 HOMOGENEOUS RUBBER VEE RINGS



PART NUMBERS

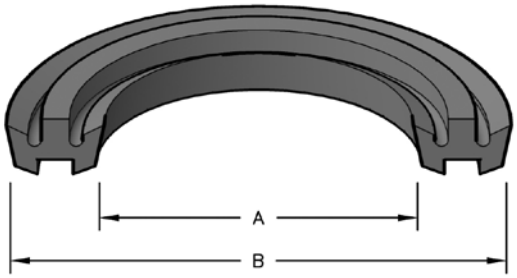
835 - 05

Prefix Size

SEAL INFORMATION	
MATERIAL	70A DURO BUNA-N
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 1,250 PSI
SPEED	3 FT/SEC
PART NUMBER	(Prefix) - (Size)

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
835-05	3/8	3/4	.083
835-07	1/2	7/8	.083
835-07-90D	1/2	7/8	.083
835-12	1/2	1	.083
835-14	5/8	1-1/8	
835-14-90D	5/8	1-1/8	.083
835-16	3/4	1-1/4	.083
835-20	1	1-1/2	.083
835-20-90D	1	1-1/2	.083
835-22	1-1/8	1-5/8	.083
835-24	1-1/4	1-3/4	.083
835-25	1-1/4	1-7/8	.14
835-400-90D	1-3/8	1-7/8	.09
835-26	1-3/8	2	.14
835-26-90D	1-3/8	2	.14
835-27	1-1/2	2-1/8	.14
835-28	1-5/8	2-1/4	.14
835-128	1-3/4	2-1/4	.14
835-29	1-3/4	2-3/8	.14
835-29-90D	1-3/4	2-3/8	.14
835-31	2	2-5/8	.14
835-31-90D	2	2-5/8	.14
835-2X2-3/4	2	2-3/4	.14
835-32	2-1/8	2-3/4	.14
835-33	2-1/4	2-7/8	.14
835-35	2-1/2	3-1/8	.14
835-35-90D	2-1/2	3-1/8	.14
835-38	2-3/4	3-1/2	.156
835-40	3	3-3/4	.156
835-40-90D	3	3-3/4	.158
835-41	3-1/8	3-7/8	.156
835-42	3-1/4	4	.156
835-44	3-1/2	4-1/4	.156
835-46	3-3/4	4-1/2	.156
835-48	3-7/8	4-3/4	.156
835-49	4	4-7/8	.197
835-50	4-1/4	5-1/8	.197
835-51	4-1/2	5-3/8	.197
835-55	5-1/2	6-3/8	.197
835-156	5-3/4	6-3/8	.14
835-57	5-3/4	6-3/4	.197

STYLE 850 WV PACKING



STYLE 850 - NEO FAB

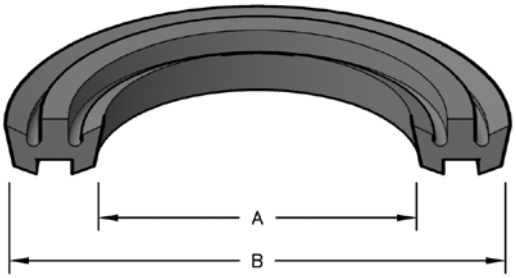
PART NUMBERS

850 - 0.62 X 1.12

Prefix — Inside Diameter — Outside Diameter

Part Number	A Nom. ID	B Nom. OD
850-0.62X1.12	5/8	1-1/8
850-0.75X1.25	3/4	1-1/4
850-1.00X1.50	1	1-1/2
850-1.25X1.75	1-1/4	1-3/4
850-1.25X2.00	1-1/4	2
850-1.50X2.00	1-1/2	2
850-1.75X2.25	1-3/4	2-1/4
850-1.87X2.37	1-7/8	2-3/8
850-2.00X2.50	2	2-1/2
850-2.00X3.00	2	3
850-2.25X2.75	2-1/4	2-3/4
850-2.45X3.002	2.45	3.002
850-2.50X3.00	2-1/2	3
850-2.75X3.50	2-3/4	3-1/2
850-3.43X4.00	3-7/16	4
850-3.50X4.50	3-1/2	4-1/2
850-3.68X4.25	3-11/16	4-1/4
850-3.95X4.50	3.95	4-1/2
850-4.25X5.00	4-1/4	5

STYLE 851 WV PACKING



STYLE 851 - BUNA-N

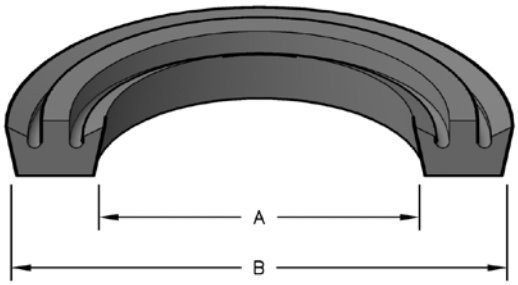
PART NUMBERS

851 - **0.62** X **1.12**

Prefix — Inside Diameter — Outside Diameter

Part Number	A Nom. ID	B Nom. OD
851-0.62X1.12	5/8	1-1/8
851-0.75X1.25	3/4	1-1/4
851-0.87X1.37	7/8	1-3/8
851-1.00X1.50	1	1-1/2
851-1.05X1.63	1-1/16	1-5/8
851-1.12X1.87	1-1/8	1-7/8
851-1.25X1.75	1-1/4	1-3/4
851-1.25X1.87	1-1/4	1-7/8
851-1.37X1.87	1-3/8	1-7/8
851-1.50X2.00	1-1/2	2
851-1.50X2.12	1-1/2	2-1/8
851-1.75X2.25	1-3/4	2-1/4
851-1.87X2.37	1-7/8	2-3/8
851-2.00X2.50	2	2-1/2
851-2.12X2.75	2-1/8	2-3/4
851-2.25X2.75	2-1/4	2-3/4
851-2.37X3.00	2-3/8	3
851-2.50X3.00	2-1/2	3
851-2.75X3.50	2-3/4	3-1/2
851-2.95X3.45	2.95	3.45
851-3.00X3.62	3	3-5/8
851-3.00X4.00	3	4
851-3.18X3.81	3-3/16	3-13/16
851-3.43X4.00	3-7/16	4
851-3.45X4.00	3.45	4
851-3.68X4.25	3-11/16	4-1/4
851-3.95X4.50	3.95	4-1/2
851-4.43X5.00	4-7/16	5
851-4.50X5.00	4-1/2	5
851-4.93X5.68	4-15/16	5-11/16

STYLE 852 WV PACKING



STYLE 852 - NEO FAB

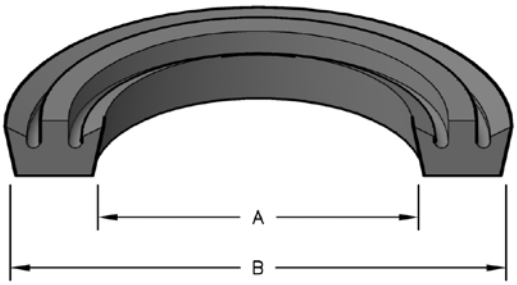
PART NUMBERS

852 - 0.62 X 1.12

Prefix — Inside Diameter — Outside Diameter

Part Number	A Nom. ID	B Nom. OD
852-0.62X1.12	5/8	1-1/8
852-0.75X1.25	3/4	1-1/4
852-1.00X1.50	1	1-1/2
852-1.25X1.75	1-1/4	1-3/4
852-1.25X2.00	1-1/4	2
852-1.37X2.12	1-3/8	2-1/8
852-1.50X2.00	1-1/2	2
852-1.50X2.12	1-1/2	2-1/8
852-1.75X2.25	1-3/4	2-1/4
852-1.87X2.37	1-7/8	2-3/8
852-2.00X2.50	2	2-1/2
852-2.50X3.00	2-1/2	3
852-2.75X3.50	2-3/4	3-1/2
852-2.95X3.45	2.95	3.45
852-3.00X4.00	3	4
852-3.45X4.00	3.45	4
852-3.50X4.50	3-1/2	4-1/2
852-3.68X4.25	3-11/16	4-1/4
852-3.95X4.50	3.95	4-1/2
852-4.25X5.00	4-1/4	5
852-4.43X5.00	4-7/16	5
852-4.50X5.00	4-1/2	5

STYLE 853 WV PACKING



STYLE 853 - BUNA-N

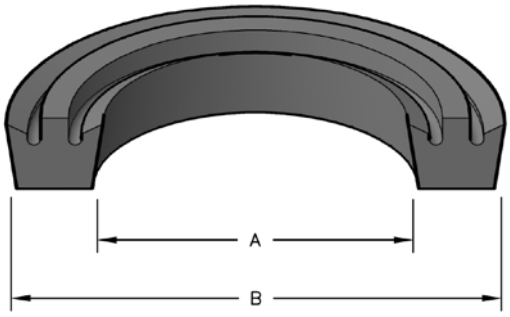
PART NUMBERS

853 - 0.62 X 1.12

Prefix — Inside Diameter — Outside Diameter

Part Number	A Nom. ID	B Nom. OD
853-0.62X1.12	5/8	1-1/8
853-0.87X1.37	7/8	1-3/8
853-1.00X1.50	1	1-1/2
853-1.25X1.87	1-1/4	1-7/8
853-2.12X2.75	2-1/8	2-3/4
853-3.00X3.62	3	3-5/8

STYLE 855 WV PACKING



PART NUMBERS

855 - 0.75 X 1.25

Prefix — Inside Diameter — Outside Diameter

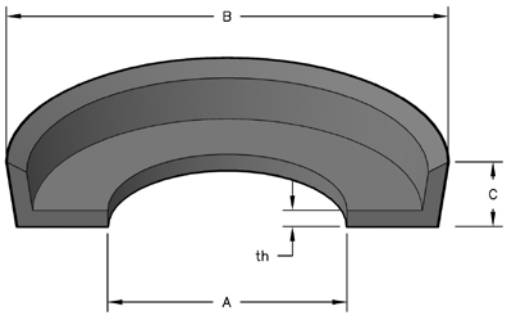
STYLE 855 - BUNA-N

C = Carboxilated Nitrile

Part Number	A Nom. ID	B Nom. OD
855-0.75X1.25	3/4	1-1/4
855-1.00X1.50	1	1-1/2
855-1.25X1.87	1-1/4	1-7/8
855-1.37X2.00	1-3/8	2
855-1.50X2.12	1-1/2	2-1/8
855-2.00X3.00	2	3
855-2.37X3.00	2-3/8	3
855-2.37X3.00-C	2-3/8	3
855-3.25X4.00	3-1/4	4

STYLE 6000 RUBBER PISTON CUPS

NOTE: The 6000 piston cups are center punched if there is no hole size indicated.

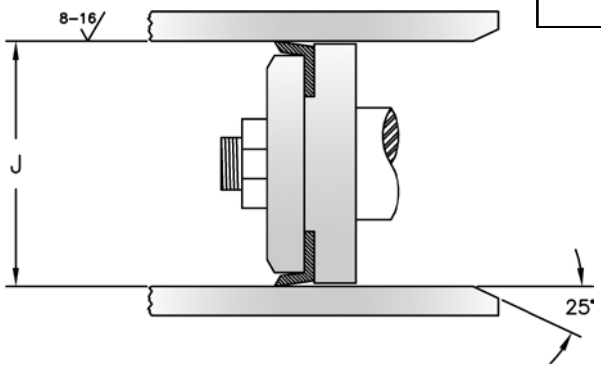


PART NUMBERS

6 100 - 037

Piston Cup Type | Bore | Hole Size

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 150 PSI
SPEED	3 FT/SEC



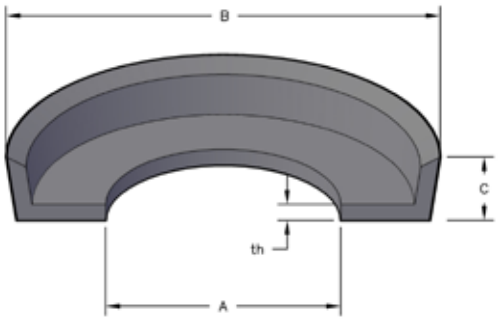
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
6062	N/A	5/8	.305	.625	.115
6075	N/A	3/4	5/16	.750	.093
6100	N/A	1	7/16	1.000	.093
6100-037	3/8	1	7/16	1.000	.093
6125	N/A	1-1/4	1/2	1.250	.125
6137	N/A	1-3/8	1/2	1.375	.125
6150	N/A	1-1/2	1/2	1.500	.125
6150-062	5/8	1-1/2	1/2	1.500	.125
6162	N/A	1-5/8	1/2	1.625	.125
6175	N/A	1-3/4	1/2	1.750	.125
6187	N/A	1-7/8	1/2	1.875	.125
6200	N/A	2	1/2	2.000	.125
6225	N/A	2-1/4	1/2	2.250	.125
6237-050	1/2	2-3/8	1/2	2.375	.125
6237-100	1	2-3/8	1/2	2.375	.125
6250	N/A	2-1/2	1/2	2.500	.125
6250-062	5/8	2-1/2	1/2	2.500	.125
6262	N/A	2-5/8	1/2	2.625	.125
6275	N/A	2-3/4	1/2	2.750	.125
6275-068	11/16	2-3/4	1/2	2.750	.125
6287	N/A	2-7/8	1/2	2.875	.125
6300	N/A	3	5/8	3.000	.156
6312	N/A	3-1/8	5/8	3.125	.156
6325	N/A	3-1/4	5/8	3.250	.156
6350	N/A	3-1/2	5/8	3.500	.156
6375	N/A	3-3/4	5/8	3.750	.156
6400	N/A	4	5/8	4.000	.156
6400-275-90D	2-3/4	4	5/8	4.000	.156
6425	N/A	4-1/4	5/8	4.250	.156
6450	N/A	4-1/2	5/8	4.500	.156

STYLE 6000 RUBBER PISTON CUPS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
6475	N/A	4-3/4	5/8	4.750	.156
6500	N/A	5	3/4	5.000	.187
6500-075	3/4	5	3/4	5.000	.187
6550	N/A	5-1/2	3/4	5.500	.187
6575	N/A	5-3/4	3/4	5.750	.187
6600	N/A	6	3/4	6.000	.187
6610	N/A	6	1	6.000	.187
6600-100	1	6	3/4	6.000	.187
6600-400-90D	4	6	3/4	6.000	.187
6625	N/A	6-1/4	3/4	6.250	.187
6650	N/A	6-1/2	3/4	6.500	.187
6700	N/A	7	3/4	7.000	.187
6800	N/A	8	1	8.000	.187
6800-525A-90D	5-1/4	8	3/4	8.000	.187
6900	N/A	9	1	9.000	.187
61000	N/A	10	1	10.000	.187
61200	N/A	12	1	12.000	.187
61400	N/A	14	1	14.000	.187

STYLE 8000 URETHANE PISTON CUPS

NOTE: The 8000 piston cups are center punched.

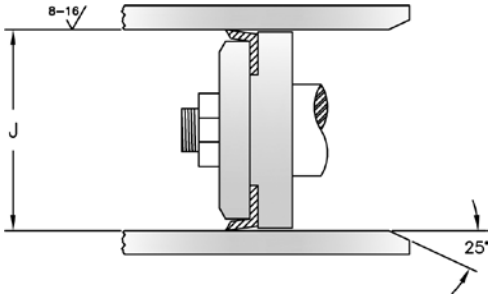


PART NUMBERS

8 050 - 000

Piston Cup Type | Bore | Hole Size

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 1,200 PSI
SPEED	3 FT/SEC

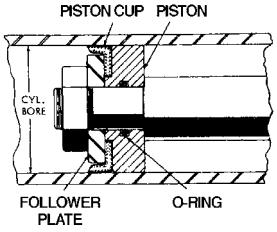


To obtain best results from any style of piston cup, it is recommended that the piston properly support the heel of the cup.
Recommended diametral clearance between the piston and cylinder wall are as follows:

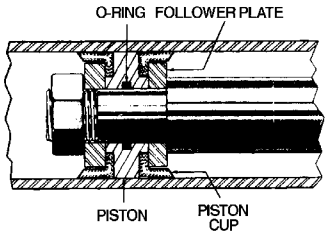
1" to 2-1/4"	.005"
2-1/2" to 4-3/4"	.008"
5" to 10"	.010"

The following piston designs meet standard industry practices:

SINGLE ACTING PISTON



DOUBLE ACTING PISTON



The height of the machined shoulder most frequently used to control squeeze on the heel of the cup is as follows:

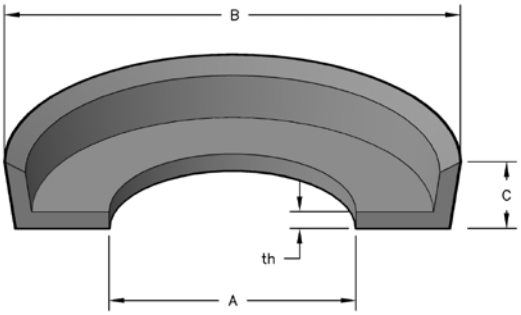
Cups 1/8" thick	.116/.119"
Cups 5/32" thick	.146/.149"
Cups 3/16" thick	.178/.181"

The follower plate should be approximately .110" smaller than the ID of the cup. To reduce any tendency of the cup to extrude under pressure a phonograph finish may be machined on the surface of the follower plate.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	C LIP HEIGHT	th THICKNESS
8050-000	N/A	1/2	1/4	.500	.250	.09375
8100-000	N/A	1	1/2	1.000	.500	.125
8150-000	N/A	1-1/2	1/2	1.500	.500	.125
8175-000	N/A	1-3/4	1/2	1.750	.500	.125
8275-000	N/A	2-3/4	5/8	2.750	.625	.1875
8300-000	N/A	3	5/8	3.000	.625	.1875
8325-000	N/A	3-1/4	5/8	3.250	.625	.1875
8337-000	N/A	3-3/8	5/8	3.375	.625	.1875
8350-000	N/A	3-1/2	5/8	3.500	.625	.1875
8400-000	N/A	4	5/8	4.000	.625	.1875
8450-000	N/A	4-1/2	5/8	4.500	.625	.1875
8500-000	N/A	5	5/8	5.000	.625	.1875
8550-000	N/A	5-1/2	3/4	5.500	.750	.1875
8600-000	N/A	6	3/4	6.000	.750	.1875
8650-000	N/A	6-1/2	3/4	6.500	.750	.1875

STYLE 9000 NEO-FAB PISTON CUPS

Piston cups are constructed of rubberized fabric. Cups with no hole are center punched.

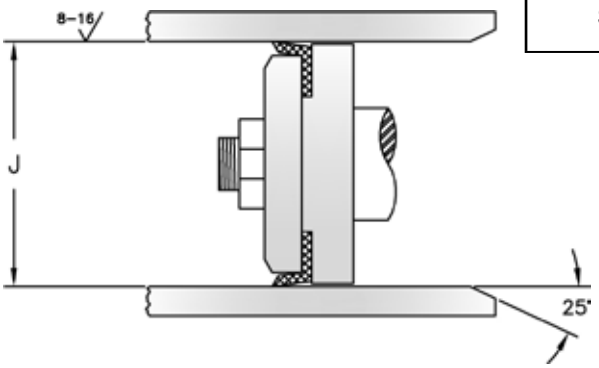


PART NUMBERS

9 062 - 000F

Piston Cup Type | Bore | Hole Size

SEAL INFORMATION	
MATERIAL	COTTON FABRIC & RUBBER
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 2,500 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
9062-000F	N/A	5/8	5/16	.625	.09375
9075-000F	N/A	3/4	7/16	.750	.09375
9087-000F	N/A	7/8	3/8	.875	.09375
9100-000F	N/A	1	7/16	1.000	.09375
9100-025F	1/4	1	7/16	1.000	.09375
9100-037F	3/8	1	7/16	1.000	.09375
9100-050F	1/2	1	7/16	1.000	.09375
9112-000F	N/A	1-1/8	7/16	1.125	.09375
9125-000F	N/A	1-1/4	7/16	1.250	.09375
9125-037F	3/8	1-1/4	7/16	1.250	.09375
9137-000F	N/A	1-3/8	7/16	1.375	.09375
9137-062F	5/8	1-3/8	7/16	1.375	.09375
9150-000F	N/A	1-1/2	1/2	1.500	.125
9150-037F	3/8	1-1/2	1/2	1.500	.125
9150-062F	5/8	1-1/2	1/2	1.500	.125
9162-000F	N/A	1-5/8	1/2	1.625	.125
9175-000F	N/A	1-3/4	1/2	1.750	.125
9175-062F	5/8	1-3/4	1/2	1.750	.125
9175-069F	11/16	1-3/4	1/2	1.750	.125
9187-000F	N/A	1-7/8	1/2	1.875	.125
9187-062F	5/8	1-7/8	1/2	1.875	.125
9200-000F	N/A	2	1/2	2.000	.125
9200-037F	3/8	2	1/2	2.000	.125
9200-050F	1/2	2	1/2	2.000	.125
9200-062F	5/8	2	1/2	2.000	.125
9200-100F	1	2	1/2	2.000	.125
9212-000F	N/A	2-1/8	1/2	2.125	.125
9225-000F	N/A	2-1/4	1/2	2.250	.125
9225-075F	3/4	2-1/4	1/2	2.250	.125
9225-100F	1	2-1/4	1/2	2.250	.125

STYLE 9000 NEO-FAB PISTON CUPS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
9237-000F	N/A	2-3/8	1/2	2.375	.125
9237-050F	1/2	2-3/8	1/2	2.375	.125
9237-100F	1	2-3/8	1/2	2.375	.125
9250-000F	N/A	2-1/2	1/2	2.500	.125
9250-037F	3/8	2-1/2	1/2	2.500	.125
9250-062F	5/8	2-1/2	1/2	2.500	.125
9250-075F	3/4	2-1/2	1/2	2.500	.125
9250-100F	1	2-1/2	1/2	2.500	.125
9250-125F	1-1/4	2-1/2	1/2	2.500	.125
9250-137F	1-3/8	2-1/2	1/2	2.500	.125
9262-000F	N/A	2-5/8	1/2	2.625	.125
9275-000F	N/A	2-3/4	1/2	2.750	.125
9275-075F	3/4	2-3/4	1/2	2.750	.125
9275-100F	1	2-3/4	1/2	2.750	.125
9275-150F	1-1/2	2-3/4	1/2	2.750	.125
9287-000F	N/A	2-7/8	1/2	2.875	.125
9300-000F	N/A	3	5/8	3.000	.15625
9300-050F	1/2	3	5/8	3.000	.15625
9300-100F	1	3	5/8	3.000	.15625
9300-125F	1-1/4	3	5/8	3.000	.15625
9300-137F	1-3/8	3	5/8	3.000	.15625
9300-150F	1-1/2	3	5/8	3.000	.15625
9300-162F	1-5/8	3	5/8	3.000	.15625
9300-175F	1-3/4	3	5/8	3.000	.15625
9300-187F	1-7/8	3	5/8	3.000	.15625
9312-100F	1	3-1/8	5/8	3.125	.15625
9325-000F	N/A	3-1/4	5/8	3.250	.15625
9325-037F	3/8	3-1/4	5/8	3.250	.15625
9325-050F	1/2	3-1/4	5/8	3.250	.15625
9325-100F	1	3-1/4	5/8	3.250	.15625
9337-037F	3/8	3-3/8	5/8	3.375	.15625
9350-000F	N/A	3-1/2	5/8	3.500	.15625
9350-025F	1/4	3-1/2	5/8	3.500	.15625
9350-050F	1/2	3-1/2	5/8	3.500	.15625
9350-100F	1	3-1/2	5/8	3.500	.15625
9350-125F	1-1/4	3-1/2	5/8	3.500	.15625
9350-150F	1-1/2	3-1/2	5/8	3.500	.15625
9350-187F	1-7/8	3-1/2	5/8	3.500	.15625
9350-200F	2	3-1/2	5/8	3.500	.15625
9350-237F	2-3/8	3-1/2	5/8	3.500	.15625
9362-000F	N/A	3-5/8	5/8	3.625	.15625
9375-000F	N/A	3-3/4	5/8	3.750	.15625
9375-050F	1/2	3-3/4	5/8	3.750	.15625
9375-075F	3/4	3-3/4	5/8	3.750	.15625
9387-000F	N/A	3-7/8	5/8	3.875	.15625
9400-000F	N/A	4	5/8	4.000	.15625
9400-050F	1/2	4	5/8	4.000	.15625
9400-150F	1-1/2	4	5/8	4.000	.15625
9400-162F	1-5/8	4	5/8	4.000	.15625
9400-175F	1-3/4	4	5/8	4.000	.15625
9400-187F	1-7/8	4	5/8	4.000	.15625
9400-200F	2	4	5/8	4.000	.15625
9400-225F	2-1/4	4	5/8	4.000	.15625
9400-250F	2-1/2	4	5/8	4.000	.15625
9425-000F	N/A	4-1/4	5/8	4.250	.15625
9425-137F	1-3/8	4-1/4	5/8	4.250	.15625
9450-000F	N/A	4-1/2	5/8	4.500	.15625
9450-075F	3/4	4-1/2	5/8	4.500	.15625

STYLE 9000 NEO-FAB PISTON CUPS

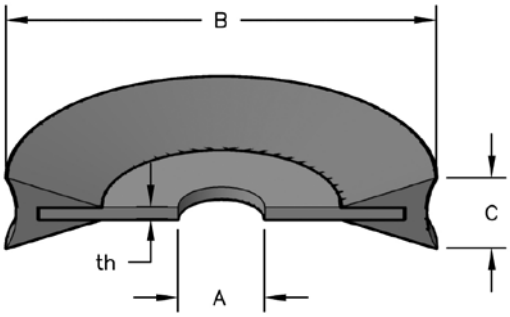
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
9450-187F	1-7/8	4-1/2	5/8	4.500	.15625
9450-225F	2-1/4	4-1/2	5/8	4.500	.15625
9450-250F	2-1/2	4-1/2	5/8	4.500	.15625
9475-000F	N/A	4-3/4	5/8	4.750	.15625
9475-050F	1/2	4-3/4	5/8	4.750	.15625
9500-000F	N/A	5	3/4	5.000	.1875
9500-100F	1	5	3/4	5.000	.1875
9500-125F	1-1/4	5	3/4	5.000	.1875
9500-250F	2-1/2	5	3/4	5.000	.1875
9525-050F	1/2	5-1/4	3/4	5.250	.1875
9550-000F	N/A	5-1/2	3/4	5.500	.1875
9550-200F	2	5-1/2	3/4	5.500	.1875
9575-000F	N/A	5-3/4	3/4	5.750	.1875
9600-000F	N/A	6	3/4	6.000	.1875
9600-050F	1/2	6	3/4	6.000	.1875
9600-200F	2	6	3/4	6.000	.1875
9600-250F	2-1/2	6	3/4	6.000	.1875
9600-350F	3-1/2	6	3/4	6.000	.1875
9650-000F	N/A	6-1/2	3/4	6.500	.1875
9700-000F	N/A	7	3/4	7.000	.1875
9700-275F	2-3/4	7	1	7.000	.219
9700-400F	4	7	3/4	7.000	.1875
9800-000F	N/A	8	1	8.000	.1875
9800-100F	1	8	1	8.000	.1875
9800-125F	1-1/4	8	1	8.000	.1875
9900-000F	N/A	9	1	9.000	.1875
91000-100F	1	10	1	10.000	.1875
91200-000F	N/A	12	1	12.000	.1875

Note: These piston cups are specially sized for use in EDBRO Cylinders.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	th THICKNESS
9200-062ED	5/8	2	7/8	2.000	.21875
9262-087ED	7/8	2-5/8	7/8	2.625	.21875
9325-100ED	1	3-1/4	13/16	3.250	.21875
9387-112ED	1-1/8	3-7/8	7/8	3.875	.21875
9475-125ED	1-1/4	4-3/4	7/8	4.750	.21875
9575-150ED	1-1/2	5-3/4	7/8	5.750	.21875

STYLE DAPC ONE PIECE DOUBLE ACTING PISTON CUPS

This complete piston cup with a simple, one-piece construction serves the same purpose as a multi-assembly unit and is more economical with easy maintenance, dependability and long life. The unique piston cup consists of homogeneous rubber bonded to a zinc-coated steel plate. The center hole may be enlarged to accommodate larger piston rods. Recommended for pneumatic and low-pressure hydraulic applications.

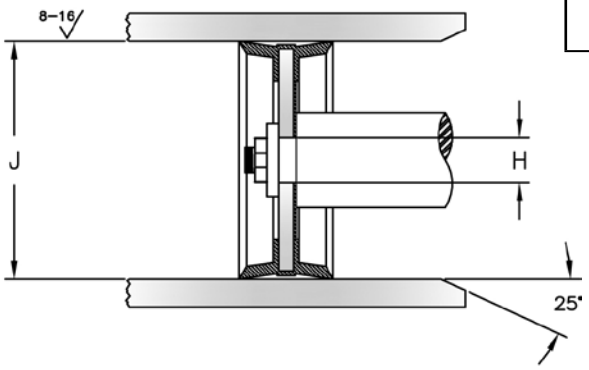


PART NUMBERS

DAPC - 100

Prefix — Bore Size

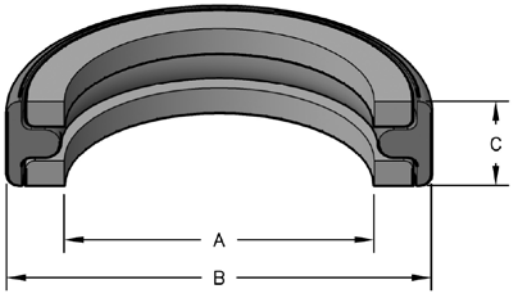
SEAL INFORMATION	
MATERIAL	RUBBER LIP, ZINC COATED STEEL PLATE
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 800 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS
DAPC-100	1/4	1	3/8	1.000	.250	.375	.09375
DAPC-125	1/4	1-1/4	1/2	1.250	.250	.500	.09375
DAPC-137	1/4	1-3/8	1/2	1.375	.250	.500	.09375
DAPC-150	1/4	1-1/2	1/2	1.500	.250	.500	.09375
DAPC-175	1/4	1-3/4	1/2	1.750	.250	.500	.09375
DAPC-200	3/8	2	9/16	2.000	.375	.5625	.125
DAPC-225	3/8	2-1/4	9/16	2.250	.375	.5625	.125
DAPC-250	3/8	2-1/2	9/16	2.500	.375	.5625	.125
DAPC-300	1/2	3	9/16	3.000	.500	.5625	.125
DAPC-325	1/2	3-1/4	9/16	3.250	.500	.5625	.125
DAPC-350	1/2	3-1/2	3/4	3.500	.500	.750	.1875
DAPC-400	1/2	4	3/4	4.000	.500	.750	.1875
DAPC-450	3/4	4-1/2	3/4	4.500	.750	.750	.1875
DAPC-500	3/4	5	15/16	5.000	.750	.9375	.250
DAPC-600	3/4	6	15/16	6.000	.750	.9375	.250

STYLE TR ROD T-SEALS

T-Seals combine a resilient sealing ring with a hard, split back-up ring on each side of the sealing element. The assembly installs in a standard o-ring groove. T-Seals are non-spiraling and extrusion resistant to 5,000 psi with improved tolerances.

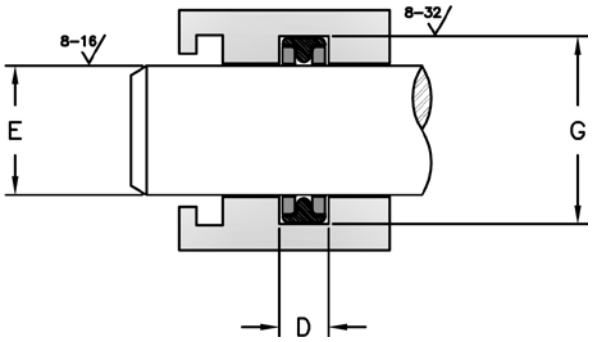


PART NUMBERS

TR - 001

Prefix Size

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER SEAL HARD PLASTIC BACK-UPS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
TR-001	3/16	3/8	.15	-106	.150 +.010 +.000	.187 +.000 -.002	.370 ±.002
TR-004	3/8	5/8	.185	-204	.185 +.010 +.000	.375 -.001 -.003	.618 ±.002
TR-006	1/2	3/4	.185	-206	.185 +.010 +.000	.500 -.001 -.003	.743 ±.002
TR-008	5/8	7/8	.185	-208	.185 +.010 +.000	.625 -.001 -.003	.868 ±.002
TR-009	11/16	15/16	.185	-209	.185 +.010 +.000	.687 -.001 -.003	.930 ±.002
TR-010	3/4	1	.185	-210	.185 +.010 +.000	.750 -.002 -.004	.992 ±.002
TR-012	7/8	1-1/8	.185	-212	.185 +.010 +.000	.875 -.002 -.004	1.117 ±.002
TR-014	1	1-1/4	.185	-214	.185 +.010 +.000	1.000 -.002 -.004	1.242 ±.002
TR-015	1-1/16	1-5/16	.185	-215	.185 +.010 +.000	1.062 -.002 -.004	1.304 ±.002
TR-016	1-1/8	1-3/8	.185	-216	.185 +.010 +.000	1.125 -.002 -.004	1.367 ±.002
TR-017	1-3/16	1-7/16	.185	-217	.185 +.010 +.000	1.187 -.002 -.004	1.429 ±.002
TR-018	1-1/4	1-1/2	.185	-218	.185 +.010 +.000	1.250 -.002 -.004	1.492 ±.002
TR-020	1-3/8	1-5/8	.185	-220	.185 +.010 +.000	1.375 -.002 -.004	1.617 ±.002
TR-022	1-1/2	1-3/4	.185	-222	.185 +.010 +.000	1.500 -.002 -.004	1.742 ±.002
TR-023	1-1/2	1-7/8	.28	-325	.280 +.010 +.000	1.500 -.002 -.004	1.871 ±.002
TR-024	1-5/8	2	.28	-326	.280 +.010 +.000	1.625 -.002 -.004	1.996 ±.002
TR-025	1-3/4	2-1/8	.28	-327	.280 +.010 +.000	1.750 -.002 -.004	2.121 ±.002

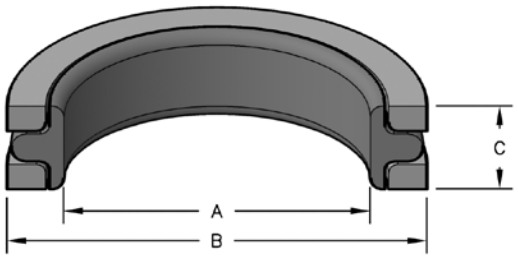
STYLE TR ROD T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
TR-026	1-7/8	2-1/4	.28	-328	.280 +.010 +.000	1.875 -.002 -.004	2.246 ±.002
TR-027	2	2-3/8	.28	-329	.280 +.010 +.000	2.000 -.002 -.004	2.371 ±.002
TR-027-WB	2	2-3/8	.405	-329	.405 +.010 +.000	2.000 -.002 -.004	2.371 ±.002
TR-028	2-1/8	2-1/2	.28	-330	.280 +.010 +.000	2.125 -.002 -.004	2.496 ±.002
TR-029	2-1/4	2-5/8	.28	-331	.280 +.010 +.000	2.250 -.002 -.004	2.613 ±.002
TR-030	2-3/8	2-3/4	.28	-332	.280 +.010 +.000	2.375 -.001 -.005	2.746 +.001 -.003
TR-031	2-1/2	2-7/8	.28	-333	.280 +.010 +.000	2.500 -.001 -.005	2.871 +.001 -.003
TR-032	2-5/8	3	.28	-334	.280 +.010 +.000	2.625 -.001 -.005	2.996 +.001 -.003
TR-033	2-3/4	3-1/8	.28	-335	.280 +.010 +.000	2.750 -.001 -.005	3.121 +.001 -.003
TR-034	2-7/8	3-1/4	.28	-336	.280 +.010 +.000	2.875 -.001 -.005	3.246 +.001 -.003
TR-035	3	3-3/8	.28	-337	.280 +.010 +.000	3.000 -.002 -.006	3.370 +.001 -.003
TR-036	3-1/8	3-1/2	.28	-338	.280 +.010 +.000	3.125 -.002 -.006	3.495 +.001 -.003
TR-037	3-1/4	3-5/8	.28	-339	.280 +.010 +.000	3.250 -.002 -.006	3.620 +.001 -.003
TR-038	3-3/8	3-3/4	.28	-340	.280 +.010 +.000	3.375 -.002 -.006	3.745 +.001 -.003
TR-039	3-1/2	3-7/8	.28	-341	.280 +.010 +.000	3.500 -.002 -.006	3.870 +.001 -.003
TR-040	3-5/8	4	.28	-342	.280 +.010 +.000	3.625 -.002 -.006	3.995 +.001 -.003
TR-041	3-3/4	4-1/8	.28	-343	.280 +.010 +.000	3.750 -.002 -.006	4.120 +.001 -.003
TR-042	3-7/8	4-1/4	.28	-344	.280 +.010 +.000	3.875 -.002 -.006	4.245 +.001 -.003
TR-043	4	4-3/8	.28	-345	.280 +.010 +.000	4.000 -.002 -.006	4.370 +.001 -.003
TR-045	4-1/4	4-5/8	.28	-347	.280 +.010 +.000	4.250 -.002 -.006	4.620 +.001 -.003
TR-046	4-3/8	4-3/4	.28	-348	.280 +.010 +.000	4.375 -.002 -.006	4.745 +.001 -.003
TR-047	4-1/2	4-7/8	.28	-349	.280 +.010 +.000	4.500 -.002 -.006	4.870 +.001 -.003
TR-048	5	5-1/2	.366	-429	.366 +.010 +.000	5.000 -.002 -.006	5.475 +.001 -.003
TR-049	5-1/4	5-3/4	.366	-431	.366 +.010 +.000	5.250 -.002 -.006	5.725 +.001 -.003
TR-050	5-1/2	6	.366	-433	.366 +.010 +.000	5.500 -.002 -.006	5.975 +.001 -.003
TR-052	6	6-1/2	.366	-437	.366 +.010 +.000	6.000 -.001 -.007	6.475 +.002 -.004
TR-054	6-1/2	7	.366	-439	.366 +.010 +.000	6.500 -.001 -.007	6.975 +.002 -.004
TR-056	7	7-1/2	.366	-441	.366 +.010 +.000	7.000 -.001 -.007	7.475 +.002 -.004
TR-058	7-1/2	8	.366	-443	.366 +.010 +.000	7.500 -.001 -.007	7.984 +.002 -.004
TR-059	8	8-1/2	.366	-445	.366 +.010 +.000	8.000 -.001 -.007	8.475 +.002 -.004
TR-060	9	9-1/2	.366	-447	.366 +.010 +.000	9.000 -.001 -.007	9.475 +.002 -.004

Seal color may vary.

STYLE TP PISTON T-SEALS

T-Seals combine a resilient sealing ring with a hard, split back-up ring on each side of the sealing element. The assembly installs in a standard o-ring groove. T-Seals are non-spiraling and extrusion resistant to 5,000 psi with improved tolerances. Intermediate and Wide Base T-Seals are designed to fit MIL-5514F o-ring glands only and interchange with 1 o-ring / 1 back-up ring and 1 o-ring / 2 back-up ring grooves, respectively.

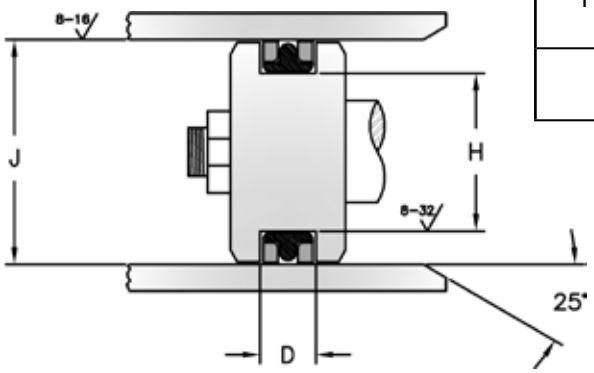


PART NUMBERS

TP - 007

Prefix Size

IB = Intermediate Base
WB = Wide Base



SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER SEAL HARD PLASTIC BACK-UPS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-007	1/2	3/4	.185	-206	.185 +.010 +.000	.505 +.002 +.000	.750 ±.001
TP-009	5/8	7/8	.185	-208	.185 +.010 +.000	.630 +.002 +.000	.875 ±.001
TP-011	3/4	1	.185	-210	.185 +.010 +.000	.756 +.002 +.000	1.000 +.002 +.000
TP-012	13/16	1-1/16	.185	-211	.185 +.010 +.000	.818 +.002 +.000	1.063 +.002 +.000
TP-013	7/8	1-1/8	.185	-212	.185 +.010 +.000	.881 +.002 +.000	1.125 +.002 +.000
TP-014	15/16	1-3/16	.185	-213	.185 +.010 +.000	.943 +.002 +.000	1.188 +.002 +.000
TP-015	1	1-1/4	.185	-214	.185 +.010 +.000	1.006 +.002 +.000	1.250 +.002 +.000
TP-016	1-1/16	1-5/16	.185	-215	.185 +.010 +.000	1.068 +.002 +.000	1.313 +.002 +.000
TP-017	1-1/8	1-3/8	.185	-216	.185 +.010 +.000	1.131 +.002 +.000	1.375 +.002 +.000
TP-018	1-3/16	1-7/16	.185	-217	.185 +.010 +.000	1.193 +.002 +.000	1.438 +.002 +.000
TP-019	1-1/4	1-1/2	.185	-218	.185 +.010 +.000	1.256 +.002 +.000	1.500 +.002 +.000
TP-218-WB	1-1/4	1-1/2	.304	-218	.304 +.010 +.000	1.256 +.002 +.000	1.500 +.002 +.000
TP-021	1-3/8	1-5/8	.185	-220	.185 +.010 +.000	1.381 +.002 +.000	1.625 +.002 +.000
TP-221	1-7/16	1-11/16	.185	-221	.185 +.010 +.000	1.442 +.002 +.000	1.688 +.002 +.000
TP-022	1-1/2	1-3/4	.185	-222	.185 +.010 +.000	1.506 +.002 +.000	1.750 +.002 +.000
TP-222-IB	1-1/2	1-3/4	.235	-222	.235 +.010 +.000	1.506 +.002 +.000	1.750 +.002 +.000
TP-023	1-1/2	1-7/8	.28	-325	.280 +.010 +.000	1.502 +.002 +.000	1.875 +.002 +.000

STYLE TP PISTON T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-024	1-5/8	2	.28	-326	.280 +.010 +.000	1.627 +.002 +.000	2.000 +.002 +.000
TP-326-IB	1-5/8	2	.334	-326	.334 +.010 +.000	1.627 +.002 +.000	2.000 +.002 +.000
TP-025	1-3/4	2-1/8	.28	-327	.280 +.010 +.000	1.752 +.002 +.000	2.125 +.002 +.000
TP-026	1-7/8	2-1/4	.28	-328	.280 +.010 +.000	1.877 +.002 +.000	2.250 +.002 +.000
TP-328-IB	1-7/8	2-1/4	.334	-328	.334 +.010 +.000	1.877 +.002 +.000	2.250 +.002 +.000
TP-328-WB	1-7/8	2-1/4	.424	-328	.424 +.010 +.000	1.877 +.002 +.000	2.250 +.002 +.000
TP-027	2	2-3/8	.28	-329	.280 +.010 +.000	2.002 +.002 +.000	2.375 +.002 +.000
TP-028	2-1/8	2-1/2	.28	-330	.280 +.010 +.000	2.127 +.002 +.000	2.500 +.002 +.000
TP-330-IB	2-1/8	2-1/2	.334	-330	.334 +.010 +.000	2.127 +.002 +.000	2.500 +.002 +.000
TP-330-WB	2-1/8	2-1/2	.424	-330	.424 +.010 +.000	2.127 +.002 +.000	2.500 +.002 +.000
TP-029	2-1/4	2-5/8	.28	-331	.280 +.010 +.000	2.252 +.002 +.000	2.625 +.002 +.000
TP-030	2-3/8	2-3/4	.28	-332	.280 +.010 +.000	2.377 +.003 -.001	2.750 +.003 -.001
TP-031	2-1/2	2-7/8	.28	-333	.280 +.010 +.000	2.502 +.003 -.001	2.875 +.003 -.001
TP-333-WB	2-1/2	2-7/8	.424	-333	.424 +.010 +.000	2.502 +.003 -.001	2.875 +.003 -.001
TP-032	2-5/8	3	.28	-334	.280 +.010 +.000	2.627 +.003 -.001	3.000 +.003 -.001
TP-334-IB	2-5/8	3	.334	-334	.334 +.010 +.000	2.627 +.003 -.001	3.000 +.003 -.001
TP-334-WB	2-5/8	3	.424	-334	.424 +.010 +.000	2.627 +.003 -.001	3.000 +.003 -.001
TP-033	2-3/4	3-1/8	.28	-335	.280 +.010 +.000	2.752 +.003 -.001	3.125 +.003 -.001
TP-034	2-7/8	3-1/4	.28	-336	.280 +.010 +.000	2.877 +.003 -.001	3.250 +.003 -.001
TP-035	3-1/8	3-1/2	.28	-338	.280 +.010 +.000	3.128 +.003 -.001	3.500 +.004 +.000
TP-338-IB	3-1/8	3-1/2	.334	-338	.334 +.010 +.000	3.128 +.003 -.001	3.500 +.004 +.000
TP-338-WB	3-1/8	3-1/2	.424	-338	.424 +.010 +.000	3.128 +.003 -.001	3.500 +.004 +.000
TP-036	3-1/4	3-5/8	.28	-339	.280 +.010 +.000	3.253 +.003 -.001	3.625 +.004 +.000
TP-037	3-3/8	3-3/4	.28	-340	.280 +.010 +.000	3.378 +.003 -.001	3.750 +.004 +.000
TP-038	3-1/2	3-7/8	.28	-341	.280 +.010 +.000	3.503 +.003 -.001	3.875 +.004 +.000
TP-039	3-5/8	4	.28	-342	.280 +.010 +.000	3.628 +.003 -.001	4.000 +.004 +.000
TP-342-WB	3-5/8	4	.424	-342	.424 +.010 +.000	3.628 +.003 -.001	4.000 +.004 +.000
TP-040	3-3/4	4-1/8	.28	-343	.280 +.010 +.000	3.753 +.003 -.001	4.125 +.004 +.000
TP-041	3-7/8	4-1/4	.28	-344	.280 +.010 +.000	3.878 +.003 -.001	4.250 +.004 +.000
TP-042	4	4-3/8	.28	-345	.280 +.010 +.000	4.003 +.003 -.001	4.375 +.004 +.000
TP-043	4-1/8	4-1/2	.28	-346	.280 +.010 +.000	4.128 +.003 -.001	4.500 +.004 +.000
TP-346-IB	4-1/8	4-1/2	.334	-346	.334 +.010 +.000	4.128 +.003 -.001	4.500 +.004 +.000
TP-346-WB	4-1/8	4-1/2	.424	-346	.424 +.010 +.000	4.128 +.003 -.001	4.500 +.004 +.000

STYLE TP PISTON T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-044	4-1/4	4-5/8	.28	-347	.280 +.010 +.000	4.253 +.003 -.001	4.625 +.004 +.000
TP-347-IB	4-1/4	4-5/8	.334	-347	.334 +.010 +.000	4.253 +.003 -.001	4.625 +.004 +.000
TP-045	4-3/8	4-3/4	.28	-348	.280 +.010 +.000	4.378 +.003 -.001	4.750 +.004 +.000
TP-046	4-1/2	4-7/8	.28	-349	.280 +.010 +.000	4.503 +.003 -.001	4.875 +.004 +.000
TP-425-IB	4-1/2	5	.475	-425	.475 +.010 +.000	4.524 +.003 -.001	5.000 +.005 +.001
TP-425-WB	4-1/2	5	.579	-425	.579 +.010 +.000	4.524 +.003 -.001	5.000 +.005 +.001
TP-047	4-5/8	5	.28	-350	.280 +.010 +.000	4.629 +.003 -.001	5.000 +.005 +.001
TP-350-WB	4-5/8	5	.424	-350	.424 +.010 +.000	4.629 +.003 -.001	5.000 +.005 +.001
TP-048	4-5/8	5-1/8	.366	-426	.366 +.010 +.000	4.649 +.003 -.001	5.125 +.005 +.001
TP-049	4-3/4	5-1/4	.366	-427	.366 +.010 +.000	4.774 +.003 -.001	5.250 +.005 +.001
TP-427-WB	4-3/4	5-1/4	.579	-427	.579 +.010 +.000	4.774 +.003 -.001	5.250 +.005 +.001
TP-051	5	5-1/2	.366	-429	.366 +.010 +.000	5.024 +.003 -.001	5.500 +.005 +.001
TP-429-IB	5	5-1/2	.475	-429	.475 +.010 +.000	5.024 +.003 -.001	5.500 +.005 +.001
TP-053	5-1/4	5-3/4	.366	-431	.366 +.010 +.000	5.274 +.003 -.001	5.750 +.005 +.001
TP-054	5-3/8	5-7/8	.366	-432	.366 +.010 +.000	5.399 +.003 -.001	5.875 +.005 +.001
TP-055	5-1/2	6	.366	-433	.366 +.010 +.000	5.524 +.003 -.001	6.000 +.005 +.001
TP-433-IB	5-1/2	6	.475	-433	.475 +.010 +.000	5.524 +.003 -.001	6.000 +.005 +.001
TP-433-WB	5-1/2	6	.579	-433	.579 +.010 +.000	5.524 +.003 -.001	6.000 +.005 +.001
TP-057	5-3/4	6-1/4	.366	-435	.366 +.010 +.000	5.774 +.003 -.001	6.250 +.005 +.001
TP-435-IB	5-3/4	6-1/4	.475	-435	.475 +.010 +.000	5.774 +.003 -.001	6.250 +.005 +.001
TP-058	6	6-1/2	.366	-437	.366 +.010 +.000	6.024 +.004 -.002	6.500 +.006 +.000
TP-060	6-1/2	7	.366	-439	.366 +.010 +.000	6.524 +.004 -.002	7.000 +.006 +.000
TP-439-IB	6-1/2	7	.475	-439	.475 +.010 +.000	6.524 +.004 -.002	7.000 +.006 +.000
TP-439-WB	6-1/2	7	.579	-439	.579 +.010 +.000	6.524 +.004 -.002	7.000 +.006 +.000
TP-061	6-3/4	7-1/4	.366	-440	.366 +.010 +.000	6.774 +.004 -.002	7.250 +.006 +.000
TP-062	7	7-1/2	.366	-441	.366 +.010 +.000	7.024 +.004 -.002	7.500 +.006 +.000
TP-064	7-1/2	8	.366	-443	.366 +.010 +.000	7.524 +.004 -.002	8.000 +.006 +.000
TP-443-WB	7-1/2	8	.579	-443	.579 +.010 +.000	7.524 +.004 -.002	8.000 +.006 +.000
TP-444-IB	7-3/4	8-1/4	.475	-444	.475 +.010 +.000	7.774 +.004 -.002	8.250 +.006 +.000
TP-066	8	8-1/2	.366	-445	.366 +.010 +.000	8.024 +.004 -.002	8.500 +.006 +.000
TP-067	8-1/2	9	.366	-446	.366 +.010 +.000	8.524 +.004 -.002	9.000 +.006 +.000
TP-446-IB	8-1/2	9	.475	-446	.475 +.010 +.000	8.524 +.004 -.002	9.000 +.006 +.000
TP-068	9	9-1/2	.366	-447	.366 +.010 +.000	9.024 +.004 -.002	9.500 +.006 +.000

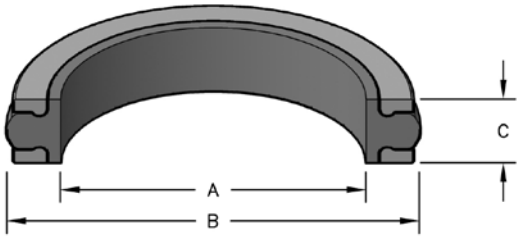
STYLE TP PISTON T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-069	9-1/2	10	.366	-448	.366 +.010 +.000	9.524 +.004 -.002	10.000 +.006 +.000
TP-448-IB	9-1/2	10	.475	-448	.475 +.010 +.000	9.524 +.004 -.002	10.000 +.006 +.000
TP-070	10	10-1/2	.366	-449	.366 +.010 +.000	10.024 +.004 -.002	10.500 +.006 +.000
TP-071	10-1/2	11	.366	-450	.366 +.010 +.000	10.524 +.004 -.002	11.000 +.006 +.000
TP-450-IB	10-1/2	11	.475	-450	.475 +.010 +.000	10.524 +.004 -.002	11.000 +.006 +.000
TP-072	11	11-1/2	.366	-451	.366 +.010 +.000	11.024 +.004 -.002	11.500 +.006 +.000
TP-073	11-1/2	12	.366	-452	.366 +.010 +.000	11.524 +.004 -.002	12.000 +.006 +.000

Seal color may vary.

STYLE TP-L LOCKING PISTON T-SEALS

The Style TP-L seal is a zero drift piston seal for bi-directional pressure applications. The locking anti-extrusion rings provide for an easier installation. It is designed to retrofit O-Ring and standard T-seal grooves. The 70 Shore A NBR is designed specifically for performance in compression type dynamic seals. Other features include a net molded dynamic sealing surface and backup chamfers.

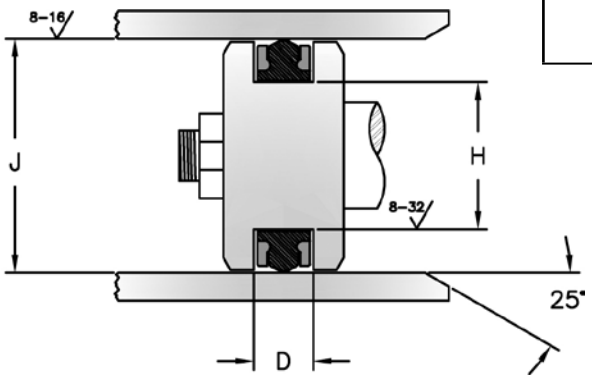


PART NUMBERS

TP - 009-L

Prefix Size

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER SEAL HARD PLASTIC BACK-UPS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



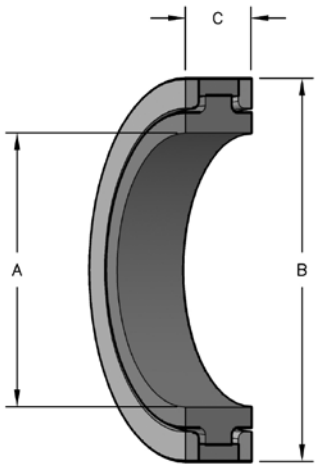
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-009-L	5/8	7/8	.185	-208	.185 +.010 +.000	.630 +.002 +.000	.875 ±.001
TP-011-L	3/4	1	.185	-210	.185 +.010 +.000	.756 +.002 +.000	1.000 +.002 +.000
TP-013-L	7/8	1-1/8	.185	-212	.185 +.010 +.000	.881 +.002 +.000	1.125 +.002 +.000
TP-015-L	1	1-1/4	.185	-214	.185 +.010 +.000	1.006 +.002 +.000	1.250 +.002 +.000
TP-017-L	1-1/8	1-3/8	.185	-216	.185 +.010 +.000	1.131 +.002 +.000	1.375 +.002 +.000
TP-019-L	1-1/4	1-1/2	.185	-218	.185 +.010 +.000	1.256 +.002 +.000	1.500 +.002 +.000
TP-021-L	1-3/8	1-5/8	.185	-220	.185 +.010 +.000	1.381 +.002 +.000	1.625 +.002 +.000
TP-022-L	1-1/2	1-3/4	.185	-222	.185 +.010 +.000	1.506 +.002 +.000	1.750 +.002 +.000
TP-023-L	1-1/2	1-7/8	.28	-325	.280 +.010 +.000	1.502 +.002 +.000	1.875 +.002 +.000
TP-024-L	1-5/8	2	.28	-326	.280 +.010 +.000	1.627 +.002 +.000	2.000 +.002 +.000
TP-025-L	1-3/4	2-1/8	.28	-327	.280 +.010 +.000	1.752 +.002 +.000	2.125 +.002 +.000
TP-026-L	1-7/8	2-1/4	.28	-328	.280 +.010 +.000	1.877 +.002 +.000	2.250 +.002 +.000
TP-027-L	2	2-3/8	.28	-329	.280 +.010 +.000	2.002 +.002 +.000	2.375 +.002 +.000
TP-028-L	2-1/8	2-1/2	.28	-330	.280 +.010 +.000	2.127 +.002 +.000	2.500 +.002 +.000
TP-029-L	2-1/4	2-5/8	.28	-331	.280 +.010 +.000	2.252 +.002 +.000	2.625 +.002 +.000
TP-030-L	2-3/8	2-3/4	.28	-332	.280 +.010 +.000	2.377 +.003 -.001	2.750 +.003 -.001

STYLE TP-L LOCKING PISTON T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
TP-031-L	2-1/2	2-7/8	.28	-333	.280 +.010 +.000	2.502 +.003 -.001	2.875 +.003 -.001
TP-032-L	2-5/8	3	.28	-334	.280 +.010 +.000	2.627 +.003 -.001	3.000 +.003 -.001
TP-033-L	2-3/4	3-1/8	.28	-335	.280 +.010 +.000	2.752 +.003 -.001	3.125 +.003 -.001
TP-034-L	2-7/8	3-1/4	.28	-336	.280 +.010 +.000	2.877 +.003 -.001	3.250 +.003 -.001
TP-035-L	3-1/8	3-1/2	.28	-338	.280 +.010 +.000	3.128 +.003 -.001	3.500 +.004 +.000
TP-037-L	3-3/8	3-3/4	.28	-340	.280 +.010 +.000	3.378 +.003 -.001	3.750 +.004 +.000
TP-039-L	3-5/8	4	.28	-342	.280 +.010 +.000	3.628 +.003 -.001	4.000 +.004 +.000
TP-041-L	3-7/8	4-1/4	.28	-344	.280 +.010 +.000	3.878 +.003 -.001	4.250 +.004 +.000
TP-043-L	4-1/8	4-1/2	.28	-346	.280 +.010 +.000	4.128 +.003 -.001	4.500 +.004 +.000
TP-045-L	4-3/8	4-3/4	.28	-348	.280 +.010 +.000	4.378 +.003 -.001	4.750 +.004 +.000
TP-047-L	4-5/8	5	.28	-350	.280 +.010 +.000	4.629 +.003 -.001	5.000 +.005 +.001
TP-049-L	4-3/4	5-1/4	.366	-427	.366 +.010 +.000	4.774 +.003 -.001	5.250 +.005 +.001
TP-051-L	5	5-1/2	.366	-429	.366 +.010 +.000	5.024 +.003 -.001	5.500 +.005 +.001
TP-053-L	5-1/4	5-3/4	.366	-431	.366 +.010 +.000	5.274 +.003 -.001	5.750 +.005 +.001
TP-055-L	5-1/2	6	.366	-433	.366 +.010 +.000	5.524 +.003 -.001	6.000 +.005 +.001
TP-058-L	6	6-1/2	.366	-437	.366 +.010 +.000	6.024 +.004 -.002	6.500 +.006 +.000
TP-443-WB-L	7-1/2	8	.579	-443	.579 +.010 +.000	7.524 +.004 -.002	8.000 +.006 +.000

STYLE CPS CAPPED PISTON T-SEALS

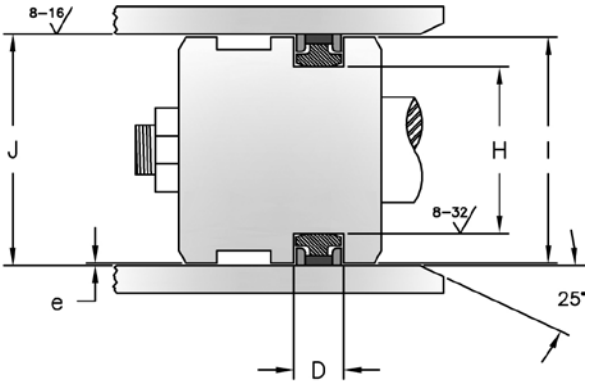
A heavy duty double-acting assembly, the capped piston T-seal exhibits excellent sealability, extrusion resistance, and wearability. T-seals with "BR" suffix utilize a Bronze Filled PTFE cap instead of the standard Glass Filled PTFE cap.



PART NUMBERS

CPS - 1750BR

Prefix — Bore Size



SEAL INFORMATION	
MATERIAL	PTFE CAP NYLON BACK-UP RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 6,000 psi
SPEED	4.5 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	I PISTON DIAMETER W/WR	J BORE DIAMETER
CPS-1750BR	1.376	1-3/4	.424	.424 +.010 +.000	1.376 +.000 -.002	1.749 +.000 -.006	1.749 +.000 -.024	1.750 +.002 +.000
CPS-2000	1.626	2	.424	.424 +.010 +.000	1.626 +.000 -.002	1.999 +.000 -.006	1.999 +.000 -.024	2.000 +.002 +.000
CPS-2500	2.126	2-1/2	.424	.424 +.010 +.000	2.126 +.000 -.002	2.499 +.000 -.006	2.499 +.000 -.024	2.500 +.002 +.000
CPS-2750BR	2.376	2-3/4	.424	.424 +.010 +.000	2.376 +.000 -.002	2.749 +.000 -.006	2.749 +.000 -.024	2.750 +.002 +.000
CPS-3000A	2.442	3	.42	.420 +.010 +.000	2.442 +.000 -.002	2.999 +.000 -.006	2.999 +.000 -.029	3.000 +.003 +.000
CPS-3000	2.52	3	.579	.579 +.010 +.000	2.520 +.000 -.003	2.999 +.000 -.006	2.999 +.000 -.029	3.000 +.003 +.000
CPS-3000BR	2.52	3	.579	.579 +.010 +.000	2.520 +.000 -.003	2.999 +.000 -.006	2.999 +.000 -.029	3.000 +.003 +.000
CPS-3250	2.77	3-1/4	.579	.579 +.010 +.000	2.770 +.000 -.003	3.249 +.000 -.006	3.249 +.000 -.029	3.250 +.003 +.000
CPS-3500A	2-15/16	3-1/2	.4	.433 +.010 +.000	2.937 ±.003	3.499 +.000 -.006	3.499 +.000 -.029	3.500 +.003 +.000
CPS-3500	3.02	3-1/2	.579	.579 +.010 +.000	3.020 +.000 -.003	3.499 +.000 -.006	3.499 +.000 -.029	3.500 +.003 +.000
CPS-3500BR	3.02	3-1/2	.579	.579 +.010 +.000	3.020 +.000 -.003	3.499 +.000 -.006	3.499 +.000 -.029	3.500 +.003 +.000
CPS-3750	3.27	3-3/4	.579	.579 +.010 +.000	3.270 +.000 -.003	3.749 +.000 -.006	3.749 +.000 -.029	3.750 +.003 +.000
CPS-4001	3.384	4	.271	.288 +.005 +.000	3.384 +.000 -.003	3.999 +.000 -.002	3.999 +.000 -.029	4.000 +.002 +.000
CPS-4000-288	3.384	4	.288	.288 +.010 +.000	3.384 +.000 -.002	3.999 +.000 -.006	3.999 +.000 -.029	4.000 +.003 +.000

STYLE CPS CAPPED PISTON T-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	I PISTON DIAMETER W/WR	J BORE DIAMETER
CPS-4000	3.52	4	.579	.579 +.010 +.000	3.520 +.000 -.003	3.999 +.000 -.006	3.999 +.000 -.029	4.000 +.003 +.000
CPS-4000BR	3.52	4	.579	.579 +.010 +.000	3.520 +.000 -.003	3.999 +.000 -.006	3.999 +.000 -.029	4.000 +.003 +.000
CPS-4250	3.77	4-1/4	.579	.579 +.010 +.000	3.770 +.000 -.003	4.249 +.000 -.006	4.249 +.000 -.029	4.250 +.003 +.000
CPS-4500	4.02	4-1/2	.579	.579 +.010 +.000	4.020 +.000 -.003	4.499 +.000 -.007	4.499 +.000 -.029	4.500 +.003 +.000
CPS-4500BR	4.02	4-1/2	.579	.579 +.010 +.000	4.020 +.000 -.003	4.499 +.000 -.007	4.499 +.000 -.029	4.500 +.003 +.000
CPS-4750A	4.192	4-3/4	.42	.420 +.010 +.000	4.192 +.000 -.002	4.749 +.000 -.007	4.749 +.000 -.036	4.750 +.003 +.000
CPS-4750	4.27	4-3/4	.579	.579 +.010 +.000	4.270 +.002 +.000	4.749 +.000 -.007	4.749 +.000 -.036	4.750 +.002 +.000
CPS-5000	4.27	5	3/4	.750 +.010 +.000	4.270 +.000 -.004	4.999 +.000 -.008	4.999 +.000 -.029	5.000 +.004 +.000
CPS-5000BR	4.27	5	3/4	.750 +.010 +.000	4.270 +.000 -.004	4.999 +.000 -.008	4.999 +.000 -.029	5.000 +.004 +.000
CPS-5000A	4.316	5	.268	.268 +.010 +.000	4.316 +.000 -.003	4.999 +.000 -.008	4.999 +.000 -.029	5.000 +.003 +.000
CPS-5000D	4.52	5	.579	.579 +.010 +.000	4.520 +.002 +.000	4.999 +.000 -.007	4.999 +.000 -.036	5.000 +.002 +.000
CPS-5250	4.52	5-1/4	3/4	.750 +.010 +.000	4.520 +.000 -.004	5.249 +.000 -.008	5.249 +.000 -.029	5.250 +.004 +.000
CPS-5250A	4.77	5-1/4	.579	.579 +.010 +.000	4.770 +.002 +.000	5.249 +.000 -.007	5.249 +.000 -.036	5.250 +.002 +.000
CPS-5500	4.77	5-1/2	3/4	.750 +.010 +.000	4.770 +.000 -.004	5.499 +.000 -.008	5.499 +.000 -.029	5.500 +.004 +.000
CPS-5500BR	4.77	5-1/2	3/4	.750 +.010 +.000	4.770 +.000 -.004	5.499 +.000 -.008	5.499 +.000 -.029	5.500 +.004 +.000
CPS-5500A	4.942	5-1/2	.42	.420 +.010 +.000	4.942 +.000 -.004	5.499 +.000 -.008	5.499 +.000 -.029	5.500 +.004 +.000
CPS-5504	5.02	5-1/2	.579	.579 +.010 +.000	5.020 +.002 +.000	5.499 +.000 -.007	5.499 +.000 -.036	5.500 +.002 +.000
CPS-5504BR	5.02	5-1/2	.579	.579 +.010 +.000	5.020 +.000 -.004	5.499 +.000 -.008	5.499 +.000 -.029	5.500 +.004 +.000
CPS-5750	5.024	5-3/4	3/4	.750 +.010 +.000	5.024 +.000 -.004	5.749 +.000 -.008	5.749 +.000 -.029	5.750 +.004 +.000
CPS-6000	5.27	6	3/4	.750 +.010 +.000	5.270 +.000 -.004	5.999 +.000 -.008	5.999 +.000 -.029	6.000 +.004 +.000
CPS-6000A	5.52	6	.579	.579 +.010 +.000	5.520 +.000 -.003	5.999 +.000 -.008	5.999 +.000 -.029	6.000 +.003 +.000
CPS-6015	5.285	6.015	3/4	.750 +.010 +.000	5.285 +.000 -.004	6.014 +.000 -.008	6.014 +.000 -.029	6.015 +.004 +.000
CPS-6250	5.52	6-1/4	3/4	.750 +.010 +.000	5.520 +.000 -.004	6.249 +.000 -.008	6.249 +.000 -.029	6.250 +.004 +.000
CPS-6250BR	5.52	6-1/4	3/4	.750 +.010 +.000	5.520 +.000 -.004	6.249 +.000 -.008	6.249 +.000 -.029	6.250 +.004 +.000
CPS-6500	5.77	6-1/2	3/4	.750 +.010 +.000	5.770 +.000 -.004	6.499 +.000 -.008	6.499 +.000 -.029	6.500 +.004 +.000
CPS-6504	6.02	6-1/2	.579	.579 +.010 +.000	6.020 +.000 -.004	6.499 +.000 -.008	6.499 +.000 -.029	6.500 +.004 +.000
CPS-6504BR	6.02	6-1/2	.579	.579 +.010 +.000	6.020 +.000 -.004	6.499 +.000 -.008	6.499 +.000 -.029	6.500 +.004 +.000
CPS-7000	6.27	7	3/4	.750 +.010 +.000	6.270 +.000 -.004	6.999 +.000 -.008	6.999 +.000 -.029	7.000 +.004 +.000
CPS-7000BR	6.27	7	3/4	.750 +.010 +.000	6.270 +.000 -.004	6.999 +.000 -.008	6.999 +.000 -.029	7.000 +.004 +.000
CPS-7250BR	6.52	7-1/4	3/4	.750 +.010 +.000	6.520 +.000 -.004	7.249 +.000 -.008	7.249 +.000 -.029	7.250 +.004 +.000
CPS-7500	6.77	7-1/2	3/4	.750 +.010 +.000	6.770 +.000 -.004	7.499 +.000 -.008	7.499 +.000 -.029	7.500 +.004 +.000
CPS-8000	7.27	8	3/4	.750 +.010 +.000	7.270 +.000 -.004	7.999 +.000 -.008	7.999 +.000 -.029	8.000 +.004 +.000
CPS-8000BR	7.274	8	3/4	.750 +.010 +.000	7.274 +.000 -.004	7.999 +.000 -.008	7.999 +.000 -.029	8.000 +.0045 +.0000

STYLE CPS CAPPED PISTON T-SEALS

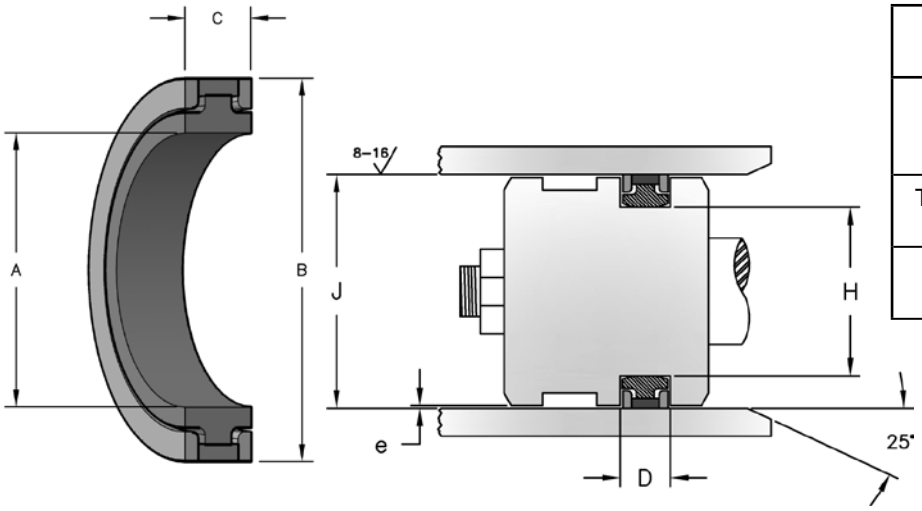
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	I PISTON DIAMETER W/WR	J BORE DIAMETER
CPS-8500	7.77	8-1/2	3/4	.750 +.010 +.000	7.770 +.000 -.004	8.499 +.000 -.008	8.499 +.000 -.029	8.500 +.004 +.000
CPS-8500BR	7.774	8-1/2	3/4	.750 +.010 +.000	7.774 +.000 -.004	8.499 +.000 -.008	8.499 +.000 -.029	8.500 +.0045 +.0000
CPS-9000	8.27	9	3/4	.750 +.010 +.000	8.270 +.000 -.004	8.999 +.000 -.008	8.999 +.000 -.029	9.000 +.004 +.000
CPS-10000	9.27	10	3/4	.750 +.010 +.000	9.270 +.000 -.004	9.999 +.000 -.008	9.999 +.000 -.029	10.000 +.004 +.000
CPS-10000BR	9.275	10	3/4	.750 +.010 +.000	9.275 +.000 -.004	9.999 +.000 -.008	9.999 +.000 -.029	10.000 +.0051 +.0000
CPS-11000BR	10.275	11	3/4	.750 +.010 +.000	10.275 +.000 -.004	10.999 +.000 -.008	10.999 +.000 -.029	11.000 +.0051 +.0000
CPS-12000BR	11.275	12	3/4	.750 +.010 +.000	11.275 +.000 -.004	11.999 +.000 -.008	11.999 +.000 -.029	12.000 +.005 +.000
CPS-13000BR	12.275	13	3/4	.750 +.010 +.000	12.275 +.000 -.004	12.999 +.000 -.008	12.999 +.000 -.029	13.000 +.005 +.000
CPS-14000BR	13.275	14	3/4	.750 +.010 +.000	13.275 +.000 -.004	13.999 +.000 -.008	13.999 +.000 -.029	14.000 +.005 +.000
CPS-15000BR	14.275	15	3/4	.750 +.010 +.000	14.275 +.000 -.004	14.999 +.000 -.008	14.999 +.000 -.029	15.000 +.0055 +.0000
CPS-16000BR	15.275	16	3/4	.750 +.010 +.000	15.275 +.000 -.004	15.999 +.000 -.008	15.999 +.000 -.029	16.000 +.0061 +.0000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

REPLACEMENT CAPPED PISTON T-SEALS
FOR CATERPILLAR EQUIPMENT*



SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER SEALHARD PLASTIC BACK-UPS
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 6,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-8J3747	3.825	4-1/2	1/2	.500 ±.002	3.830 ±.003	4.500
CTC-9J7868	4-1/4	5	5/8	.640 ±.002	4.220 ±.003	5.000
CTC-8J8767	4-11/16	5-1/2	5/8	.640 ±.002	4.720 ±.003	5.500
CTC-9J1242	5-1/16	6	5/8	.640 ±.002	5.090 ±.003	6.000
CTC-9J5558	5-5/16	6-1/4	5/8	.640 ±.002	5.340 ±.003	6.250
CTC-8J8703	5.5925	6-1/2	5/8	.640 ±.002	5.590 ±.003	6.500
CTC-8J3749	6-1/16	7	5/8	.640 ±.002	6.090 ±.003	7.000
CTC-8J4510	6-3/8	7-1/4	5/8	.640 ±.002	6.340 ±.003	7.250
CTC-9J5567	6-9/16	7-1/2	5/8	.640 ±.002	6.590 ±.003	7.500
CTC-8J5644	6-13/16	7-3/4	5/8	.640 ±.002	6.840 ±.003	7.750
CTC-8J4390	7-1/4	8-1/4	5/8	.640 ±.002	7.260 ±.003	8.250
CTC-3G4762	7-1/2	8-1/2	5/8	.640 ±.002	7.500 ±.003	8.500
CTC-9J3406	8-7/8	10	11/16	.690 ±.002	8.880 ±.003	10.000
CTC-3G4765	9-3/8	10-1/2	11/16	.690 ±.002	9.380 ±.003	10.500
CTC-9J2987	10-3/8	11-1/2	11/16	.690 ±.002	10.380 ±.003	11.500

INSTALLATION OF PTFE PISTON SEALS

Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications. Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, knead the ring over the piston into the groove. With rings of larger cross-sections it may be necessary to heat the ring. Warming the ring in water or oil at 130° F or 140° F for about 5 minutes will soften the material for easier installation. Always avoid inconsistent stretching or overstretching of the PTFE seal.

To prevent the PTFE ring from snapping into the wrong groove, cover wear ring grooves with plastic tape.

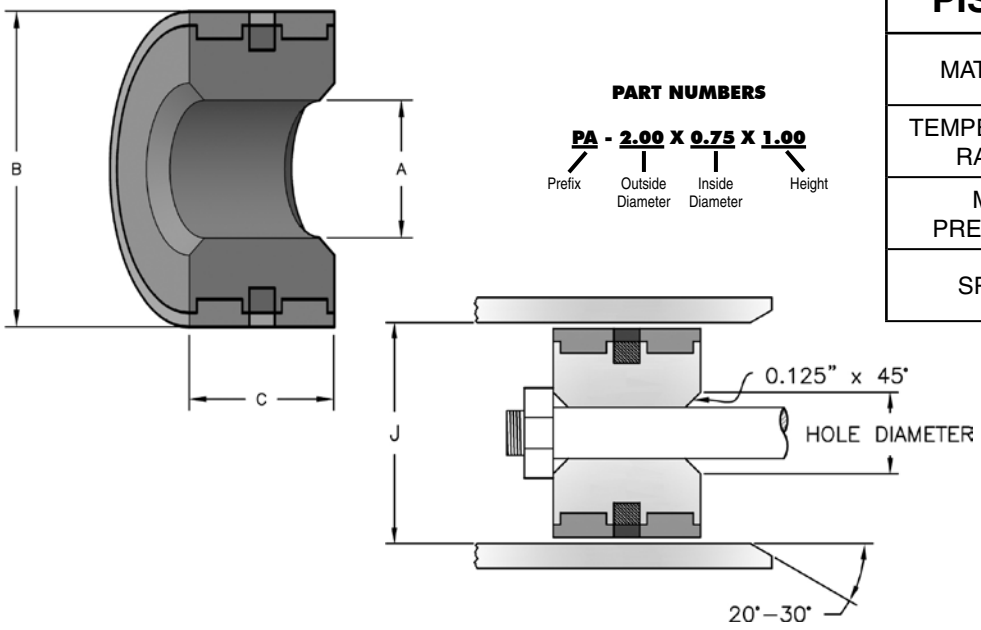
After seal installation, assembly of the cylinder may be difficult if the piston seal is loose on the piston or the cylinder has an inadequate leading edge chamfer. In such cases, compress the piston seal with belting or a suitable hose clamp. If the piston seal must pass threads or any other sharp edges during the cylinder assembly, cover the edges with plastic tape or wrap.

NOTE: Caterpillar® part numbers are used as a reference only. We do not imply that these parts are original equipment parts.

*Seal color may vary.

STYLE PA UNITIZED PISTONS

The PA Unitized Pistons are designed to handle a broad range of application parameters. The piston body is machined to exact dimensions and is constructed using four components: A high strength steel body, a non-metallic bearing, a rubber loading ring and a filled PTFE seal ring. The non-metallic bearing is molded to the piston using a special proprietary process.



PART NUMBERS

PA - 2.00 X 0.75 X 1.00

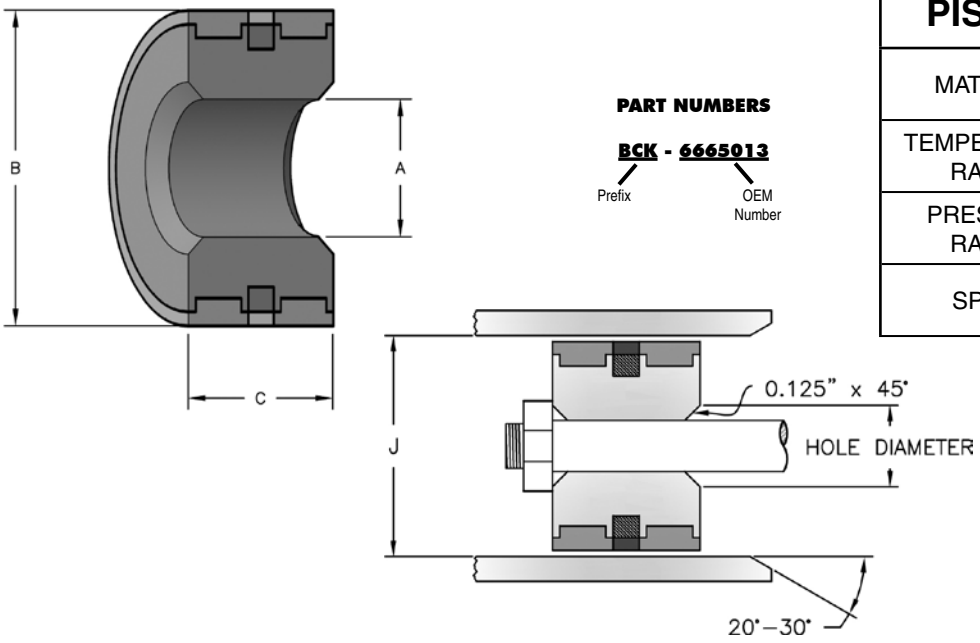
Prefix — Outside Diameter — Inside Diameter — Height

PISTON INFORMATION	
MATERIAL	STEEL, NYLON, NBR, PTFE
TEMPERATURE RANGE	-40° TO +230° F
MAX PRESSURE	5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	J BORE DIAMETER	H HOLE SIZE
PA-2.00X0.75X1.00	3/4	2	1	1.000 +.000 -.005	2.000 +.003 +.000	.752 +.003 +.000
PA-2.50X1.00X1.00	1	2-1/2	1	1.000 +.002 +.000	2.500 +.003 +.000	1.000 +.002 +.000
PA-3.50X1.00X1.50	1	3-1/2	1-1/2	1.500 +.002 +.000	3.500 +.004 +.000	1.000 +.002 +.000
PA-4.00X1.25X1.50	1-1/4	4	1-1/2	1.500 +.002 +.000	4.000 +.004 +.000	1.250 +.002 +.000

UNITIZED PISTONS FOR BOBCAT

The Bobcat Unitized Pistons are designed to handle a broad range of application parameters. The piston body is machined to exact dimensions and is constructed using four components: a high strength steel body, a non-metallic bearing, a rubber loading ring, and a filled PTFE seal ring. The non-metallic bearing is molded to the piston using a special proprietary process.



PART NUMBERS

BCK - 6665013

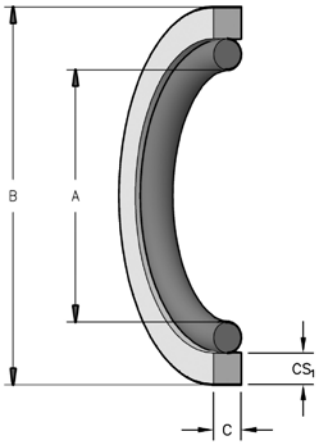
Prefix — OEM Number

PISTON INFORMATION	
MATERIAL	STEEL, NYLON, NBR, PTFE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	J BORE DIAMETER	H HOLE SIZE
BCK-6665013	3/4	2	1	1.000 +.000 -.005	2.000 +.003 +.000	.752 +.003 +.000
BCK-6661694	3/4	2	1-1/4	1.250 ±.005		.751 +.002 +.000
BCK-6665207	1	2-1/4	1	1.000 +.005 +.000		1.001 +.002 +.000
BCK-6661820	1	2-1/4	1-1/4	1.250 +.000 -.005		1.001 +.002 +.000
BCK-6667291	1	2-1/2	1	1.000 +.005 +.000		1.001 +.002 +.000
BCK-6673791	1-1/8	2-1/2	1	1.000 +.005 +.000		1.126 +.002 +.000
BCK-6666286	1-1/8	2-3/4	1	1.000 +.005 +.000		1.126 +.002 +.000
BCK-6669993	1-1/8	3	1	1.000 +.000 -.005		1.126 +.002 +.000

STYLE PS1400 GLASS FILLED PTFE PISTON SEALS

The PS1400 seals offer low friction and high strength in a compact double-acting piston seal design. The PTFE seal ring, combined with a rubber energizer, assures positive contact with the dynamic surface. The PS1400 is designed to fit ANSI/B93.32-1973 groove standards. Piston diameter "I" dimensions are given for pistons without wear rings.

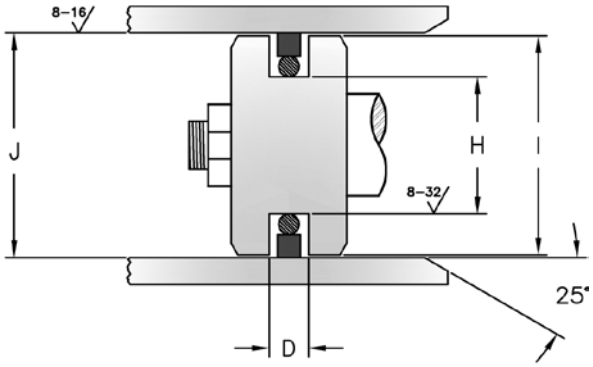


PART NUMBERS

PS 1400 - 16

Piston Seal | Type of Seal | Size

SEAL INFORMATION	
MATERIAL	15% GLASS FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS_1 RING CROSS SECTION
PS1400-16	.74	1	.07	.070 ±.005	.083 ±.002	.740 ±.002	.997 ±.001	1.000 +.002 +.000	.070 ±.005
PS1400-18	.865	1-1/8	.07	.070 ±.005	.083 ±.002	.865 ±.002	1.122 ±.001	1.125 +.002 +.000	.070 ±.005
PS1400-20	.99	1-1/4	.07	.070 ±.005	.083 ±.002	.990 ±.002	1.247 ±.001	1.250 +.002 +.000	.070 ±.005
PS1400-22	1.115	1-3/8	.07	.070 ±.005	.083 ±.002	1.115 ±.002	1.372 ±.001	1.375 +.002 +.000	.070 ±.005
PS1400-24	1.24	1-1/2	.07	.070 ±.005	.083 ±.002	1.240 ±.002	1.497 ±.001	1.500 +.002 +.000	.070 ±.005
PS1400-26	1.233	1-5/8	.109	.109 ±.010	.122 ±.002	1.233 ±.002	1.622 ±.001	1.625 +.002 +.000	.109 ±.010
PS1400-28	1.358	1-3/4	.109	.109 ±.010	.122 ±.002	1.358 ±.002	1.747 ±.001	1.750 +.002 +.000	.109 ±.010
PS1400-30	1.483	1-7/8	.109	.109 ±.010	.122 ±.002	1.483 ±.002	1.872 ±.001	1.875 +.002 +.000	.109 ±.010
PS1400-32	1.608	2	.115	.115 ±.010	.129 ±.002	1.608 ±.002	1.996 ±.001	2.000 +.002 +.000	.115 ±.010
PS1400-34	1.733	2-1/8	.115	.115 ±.010	.129 ±.002	1.733 ±.002	2.121 ±.001	2.125 +.002 +.000	.115 ±.010
PS1400-36	1.858	2-1/4	.115	.115 ±.010	.129 ±.002	1.858 ±.002	2.246 ±.001	2.250 +.002 +.000	.115 ±.010
PS1400-38	1.983	2-3/8	.115	.115 ±.010	.129 ±.002	1.983 ±.002	2.371 ±.001	2.375 +.002 +.000	.115 ±.010

STYLE PS1400 GLASS FILLED PTFE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS_1 RING CROSS SECTION
PS1400-40	2.108	2-1/2	.115	.115 ±.010	.129 ±.002	2.108 ±.002	2.496 ±.001	2.500 +.002 +.000	.115 ±.010
PS1400-44	2.358	2-3/4	.115	.115 ±.010	.129 ±.002	2.358 ±.002	2.746 ±.001	2.750 +.002 +.000	.115 ±.010
PS1400-48	2.608	3	.115	.115 ±.010	.129 ±.002	2.608 ±.002	2.996 ±.001	3.000 +.002 +.000	.115 ±.010
PS1400-50	2.733	3-1/8	.115	.115 ±.010	.129 ±.002	2.733 ±.002	3.121 ±.001	3.125 +.002 +.000	.115 ±.010
PS1400-52	2.858	3-1/4	.115	.115 ±.010	.129 ±.002	2.858 ±.002	3.246 ±.001	3.250 +.002 +.000	.115 ±.010
PS1400-54	2.983	3-3/8	.115	.115 ±.010	.129 ±.002	2.983 ±.002	3.371 ±.001	3.375 +.002 +.000	.115 ±.010
PS1400-56	3.108	3-1/2	.115	.115 ±.010	.129 ±.002	3.108 ±.002	3.496 ±.001	3.500 +.002 +.000	.115 ±.010
PS1400-58	3.233	3-5/8	.115	.115 ±.010	.129 ±.002	3.233 ±.002	3.621 ±.001	3.625 +.002 +.000	.115 ±.010
PS1400-60	3.358	3-3/4	.115	.115 ±.010	.129 ±.002	3.358 ±.002	3.746 ±.001	3.750 +.002 +.000	.115 ±.010
PS1400-64	3.608	4	.115	.115 ±.010	.129 ±.002	3.608 ±.002	3.996 ±.001	4.000 +.002 +.000	.115 ±.010
PS1400-68	3.858	4-1/4	.115	.115 ±.010	.129 ±.002	3.858 ±.002	4.246 ±.001	4.250 +.002 +.000	.115 ±.010
PS1400-70.4	4.008	4.4	.115	.115 ±.010	.129 ±.002	4.008 ±.002	4.396 ±.001	4.400 +.002 +.000	.115 ±.010
PS1400-72	4.108	4-1/2	.115	.115 ±.010	.129 ±.002	4.108 ±.002	4.496 ±.001	4.500 +.002 +.000	.115 ±.010
PS1400-76	4.358	4-3/4	.115	.115 ±.010	.129 ±.002	4.358 ±.002	4.746 ±.001	4.750 +.002 +.000	.115 ±.010
PS1400-78	4.483	4-7/8	.115	.115 ±.010	.129 ±.002	4.483 ±.002	4.871 ±.001	4.875 +.002 +.000	.115 ±.010
PS1400-80	4.608	5	.115	.115 ±.010	.129 ±.002	4.608 ±.002	4.996 ±.001	5.000 +.002 +.000	.115 ±.010
PS1400-84	4.858	5-1/4	.115	.115 ±.010	.129 ±.002	4.858 ±.002	5.246 ±.001	5.250 +.002 +.000	.115 ±.010
PS1400-88	5.108	5-1/2	.115	.115 ±.010	.129 ±.002	5.108 ±.002	5.496 ±.001	5.500 +.002 +.000	.115 ±.010
PS1400-92	5.232	5-3/4	.143	.143 ±.010	.159 ±.002	5.232 ±.002	5.746 ±.001	5.750 +.002 +.000	.143 ±.010
PS1400-94	5.357	5-7/8	.143	.143 ±.010	.159 ±.002	5.357 ±.002	5.871 ±.001	5.875 +.002 +.000	.143 ±.010
PS1400-96	5.482	6	.143	.143 ±.010	.159 ±.002	5.482 ±.002	5.996 ±.001	6.000 +.002 +.000	.143 ±.010
PS1400-98	5.607	6-1/8	.143	.143 ±.010	.159 ±.002	5.607 ±.002	6.121 ±.001	6.125 +.002 +.000	.143 ±.010
PS1400-100	5.732	6-1/4	.143	.143 ±.010	.159 ±.002	5.732 ±.002	6.246 ±.001	6.250 +.002 +.000	.143 ±.010
PS1400-104	5.982	6-1/2	.143	.143 ±.010	.159 ±.002	5.982 ±.002	6.496 ±.001	6.500 +.002 +.000	.143 ±.010
PS1400-112	6.482	7	.143	.143 ±.010	.159 ±.002	6.482 ±.002	6.996 ±.001	7.000 +.002 +.000	.143 ±.010
PS1400-116	6.732	7-1/4	.143	.143 ±.010	.159 ±.002	6.732 ±.002	7.246 ±.001	7.250 +.002 +.000	.143 ±.010
PS1400-120	6.982	7-1/2	.143	.143 ±.010	.159 ±.002	6.982 ±.002	7.496 ±.001	7.500 +.002 +.000	.143 ±.010
PS1400-128	7.482	8	.143	.143 ±.010	.159 ±.002	7.482 ±.002	7.996 ±.001	8.000 +.002 +.000	.143 ±.010
PS1400-130	7.607	8-1/8	.143	.143 ±.010	.159 ±.002	7.607 ±.002	8.121 ±.001	8.125 +.002 +.000	.143 ±.010
PS1400-132	7.732	8-1/4	.143	.143 ±.010	.159 ±.002	7.732 ±.002	8.246 ±.001	8.250 +.002 +.000	.143 ±.010

STYLE PS1400 GLASS FILLED PTFE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS_1 RING CROSS SECTION
PS1400-136	7.982	8-1/2	.143	.143 ±.010	.159 ±.002	7.982 ±.002	8.496 ±.001	8.500 +.002 +.000	.143 ±.010
PS1400-144	8.482	9	.143	.143 ±.010	.159 ±.002	8.482 ±.002	8.996 ±.001	9.000 +.002 +.000	.143 ±.010
PS1400-152	8.982	9-1/2	.143	.143 ±.010	.159 ±.002	8.982 ±.002	9.496 ±.001	9.500 +.002 +.000	.143 ±.010
PS1400-160	9.482	10	.143	.143 ±.010	.159 ±.002	9.482 ±.002	9.996 ±.001	10.000 +.002 +.000	.143 ±.010
PS1400-168	9.982	10-1/2	.143	.143 ±.010	.159 ±.002	9.982 ±.002	10.496 ±.001	10.500 +.002 +.000	.143 ±.010
PS1400-176	10.482	11	.143	.143 ±.010	.159 ±.002	10.482 ±.002	10.996 ±.001	11.000 +.002 +.000	.143 ±.010
PS1400-184	10.982	11-1/2	.143	.143 ±.010	.159 ±.002	10.982 ±.002	11.496 ±.001	11.500 +.002 +.000	.143 ±.010
PS1400-192	11.482	12	.143	.143 ±.010	.159 ±.002	11.482 ±.002	11.996 ±.001	12.000 +.002 +.000	.143 ±.010
PS1400-200	11.982	12-1/2	.143	.143 ±.010	.159 ±.002	11.982 ±.002	12.496 ±.001	12.500 +.002 +.000	.143 ±.010
PS1400-208	12.482	13	.143	.143 ±.010	.159 ±.002	12.482 ±.002	12.996 ±.001	13.000 +.002 +.000	.143 ±.010
PS1400-224	13.482	14	.143	.143 ±.010	.159 ±.002	13.482 ±.002	13.996 ±.001	14.000 +.002 +.000	.143 ±.010

INSTALLATION OF PTFE PISTON SEALS

Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications. Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, knead the ring over the piston into the groove. With rings of larger cross-sections it may be necessary to heat the ring. Warming the ring in water or oil at 130° F or 140° F for about 5 minutes will soften the material for easier installation. Always avoid inconsistent stretching or overstretching of the PTFE seal.

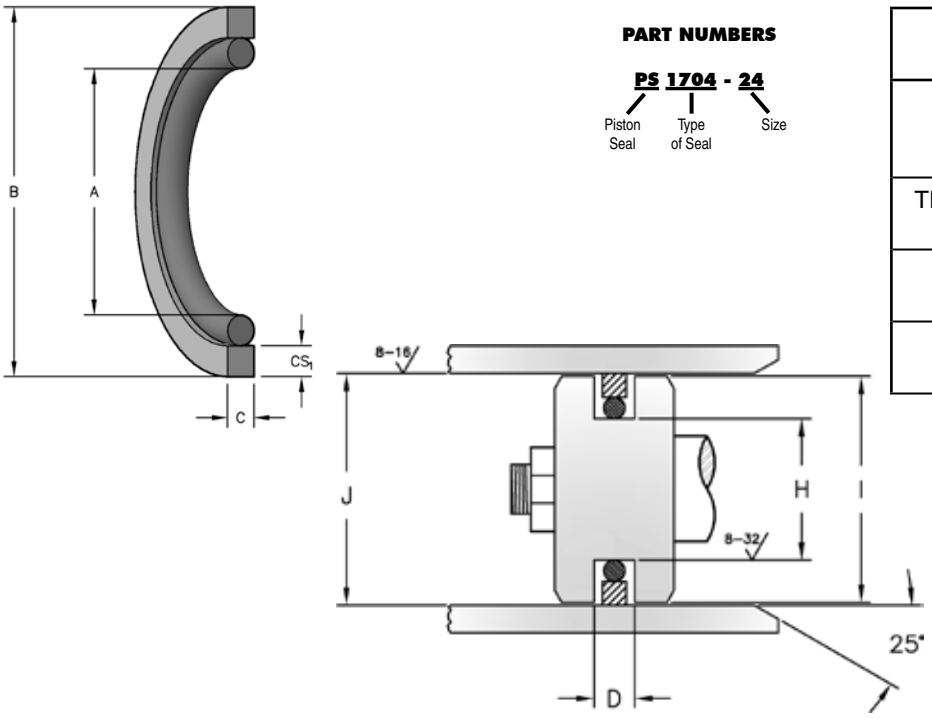
To prevent the PTFE ring from snapping into the wrong groove, cover wear ring grooves with plastic tape.

After seal installation, assembly of the cylinder may be difficult if the piston seal is loose on the piston or the cylinder has an inadequate leading edge chamfer. In such cases, compress the piston seal with belting or a suitable hose clamp. If the piston seal must pass threads or any other sharp edges during the cylinder assembly, cover the edges with plastic tape or wrap.

Seal color may vary.

STYLE PS1704 POLY-TREL™ PISTON SEALS

Manufactured from 55 Shore D polyester reinforced with <5% glass fiber, style PS1704 offers compact, low friction sealing for light to medium duty hydraulic cylinders. Style PS1704 is easily stretched over the piston without needing to be resized as in the PS1400 seals. Directly interchangeable with style PS1400 and PS1500 piston seals.
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1704 - 24
Piston Seal | Type of Seal | Size

SEAL INFORMATION	
MATERIAL	POLY-TREL™ THERMOPLASTIC 70A NBR ENERGIZER
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

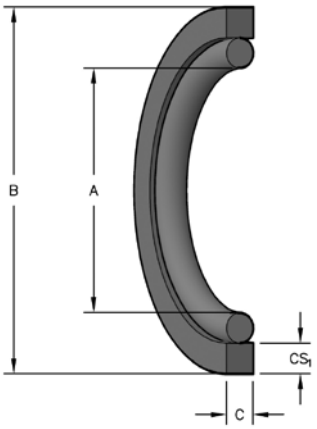
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1704-24	1.241	1-1/2	.07	.083 +.002 +.000	1.241 +.002 +.000	1.497 ±.001	1.500 +.002 +.000	.070 ±.005	.070 ±.005
PS1704-28	1.36	1-3/4	.109	.122 +.002 +.000	1.360 +.002 +.000	1.747 ±.001	1.750 +.002 +.000	.109 ±.005	.109 ±.005
PS1704-32	1.606	2	.115	.130 +.002 +.000	1.606 +.002 +.000	1.996 ±.001	2.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-36	1.856	2-1/4	.115	.130 +.002 +.000	1.856 +.002 +.000	2.246 ±.001	2.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-40	2.106	2-1/2	.115	.130 +.002 +.000	2.106 +.002 +.000	2.496 ±.001	2.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-44	2.356	2-3/4	.115	.130 +.002 +.000	2.356 +.002 +.000	2.746 ±.001	2.750 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-48	2.606	3	.115	.130 +.002 +.000	2.606 +.002 +.000	2.996 ±.001	3.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-52	2.856	3-1/4	.115	.130 +.002 +.000	2.856 +.002 +.000	3.246 ±.001	3.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-56	3.106	3-1/2	.115	.130 +.002 +.000	3.106 +.002 +.000	3.496 ±.001	3.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-64	3.606	4	.115	.130 +.002 +.000	3.606 +.002 +.000	3.996 ±.001	4.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-68	3.856	4-1/4	.115	.130 +.002 +.000	3.856 +.002 +.000	4.246 ±.001	4.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-72	4.106	4-1/2	.115	.130 +.002 +.000	4.106 +.002 +.000	4.496 ±.001	4.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-76	4.356	4-3/4	.115	.130 +.002 +.000	4.356 +.002 +.000	4.746 ±.001	4.750 +.002 +.000	.115 ±.005	.115 ±.005

STYLE PS1704 POLY-TREL™ PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1704-80	4.606	5	.115	.130 +.002 +.000	4.606 +.002 +.000	4.996 ±.001	5.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-84	4.856	5-1/4	.115	.130 +.002 +.000	4.856 +.002 +.000	5.246 ±.001	5.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-88	5.106	5-1/2	.115	.130 +.002 +.000	5.106 +.002 +.000	5.496 ±.001	5.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1704-96	5.482	6	.143	.159 +.002 +.000	5.482 +.002 +.000	5.996 ±.001	6.000 +.002 +.000	.143 ±.005	.143 ±.005
PS1704-100	5.732	6-1/4	.143	.159 +.002 +.000	5.732 ±.002	6.246 ±.001	6.250 +.002 +.000	.143 ±.005	.143 ±.005
PS1704-112	6.482	7	.143	.159 +.002 +.000	6.482 +.002 +.000	6.996 ±.001	7.000 +.002 +.000	.143 ±.005	.143 ±.005

STYLE PS1500 POLYURETHANE PISTON SEALS

Totally interchangeable with Style PS1400 PTFE piston seals, Style PS1500 piston seals are molded from tough 60 Shore D durometer polyurethane. During the molding process, a .002" thick band of molybdenum disulfide is molded into the outside diameter of the seal ring for reduced friction. PS1500 piston seals are easily stretched over the piston and recover rapidly with the elimination of the "cold flow" characteristics found in PTFE seals. Piston diameter "I" dimensions are given for pistons without wear rings.

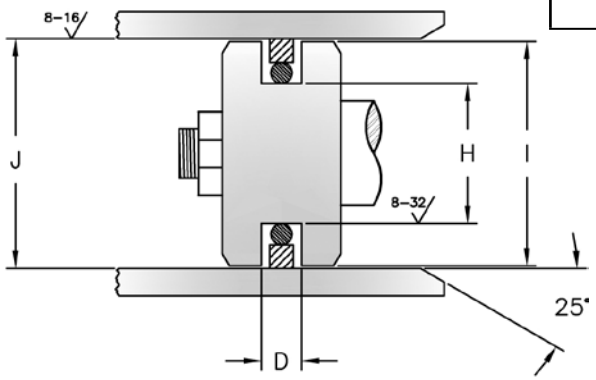


PART NUMBERS

PS 1500 - 24

Piston Seal | Type of Seal | Size

SEAL INFORMATION	
MATERIAL	POLYURETHANE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



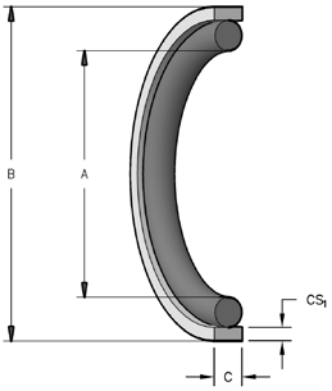
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1500-24	1.241	1-1/2	.07	.083 +.002 +.000	1.241 +.002 +.000	1.497 ±.001	1.500 +.002 +.000	.070 ±.005	.070 ±.005
PS1500-28	1.36	1-3/4	.109	.122 +.002 +.000	1.360 +.002 +.000	1.747 ±.001	1.750 +.002 +.000	.109 ±.005	.109 ±.005
PS1500-32	1.606	2	.115	.130 +.002 +.000	1.606 +.002 +.000	1.996 ±.001	2.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-36	1.856	2-1/4	.115	.130 +.002 +.000	1.856 +.002 +.000	2.246 ±.001	2.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-38	1.981	2-3/8	.115	.130 +.002 +.000	1.981 +.002 +.000	2.371 ±.001	2.375 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-40	2.106	2-1/2	.115	.130 +.002 +.000	2.106 +.002 +.000	2.496 ±.001	2.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-44	2.356	2-3/4	.115	.130 +.002 +.000	2.356 +.002 +.000	2.746 ±.001	2.750 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-48	2.606	3	.115	.130 +.002 +.000	2.606 +.002 +.000	2.996 ±.001	3.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-52	2.856	3-1/4	.115	.130 +.002 +.000	2.856 +.002 +.000	3.246 ±.001	3.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-54	2.981	3-3/8	.115	.130 +.002 +.000	2.981 +.002 +.000	3.371 ±.001	3.375 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-56	3.106	3-1/2	.115	.130 +.002 +.000	3.106 +.002 +.000	3.496 ±.001	3.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-60	3.356	3-3/4	.115	.130 +.002 +.000	3.356 +.002 +.000	3.746 ±.001	3.750 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-64	3.606	4	.115	.130 +.002 +.000	3.606 +.002 +.000	3.996 ±.001	4.000 +.002 +.000	.115 ±.005	.115 ±.005

STYLE PS1500 POLYURETHANE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1500-68	3.856	4-1/4	.115	.130 +.002 +.000	3.856 +.002 +.000	4.246 ±.001	4.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-72	4.106	4-1/2	.115	.130 +.002 +.000	4.106 +.002 +.000	4.496 ±.001	4.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-76	4.356	4-3/4	.115	.130 +.002 +.000	4.356 +.002 +.000	4.746 ±.001	4.750 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-80	4.606	5	.115	.130 +.002 +.000	4.606 +.002 +.000	4.996 ±.001	5.000 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-84	4.856	5-1/4	.115	.130 +.002 +.000	4.856 +.002 +.000	5.246 ±.001	5.250 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-88	5.106	5-1/2	.115	.130 +.002 +.000	5.106 +.002 +.000	5.496 ±.001	5.500 +.002 +.000	.115 ±.005	.115 ±.005
PS1500-92	5.232	5-3/4	.143	.159 +.002 +.000	5.232 +.002 +.000	5.746 ±.001	5.750 +.002 +.000	.143 ±.005	.143 ±.005
PS1500-96	5.482	6	.143	.159 +.002 +.000	5.482 +.002 +.000	5.996 ±.001	6.000 +.002 +.000	.143 ±.005	.143 ±.005
PS1500-104	5.982	6-1/2	.143	.159 +.002 +.000	5.982 +.002 +.000	6.496 ±.001	6.500 +.002 +.000	.143 ±.005	.143 ±.005
PS1500-112	6.482	7	.143	.159 +.002 +.000	6.482 +.002 +.000	6.996 ±.001	7.000 +.002 +.000	.143 ±.005	.143 ±.005
PS1500-136	7.982	8-1/2	.143	.159 +.002 +.000	7.982 +.002 +.000	8.494 ±.001	8.500 +.002 +.000	.143 ±.005	.143 ±.005

STYLE PS1600 GLASS FILLED PTFE PISTON SEALS

NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.

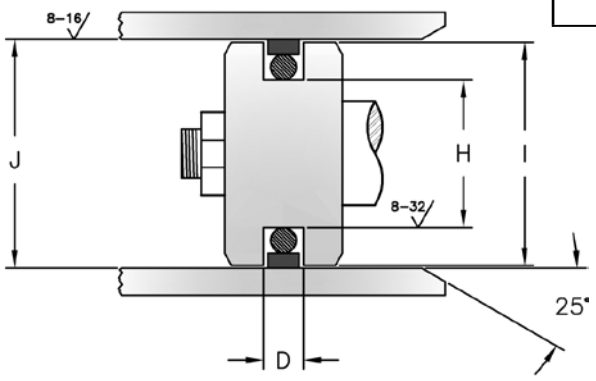


PART NUMBERS

PS 1600 - 16

Piston Seal | Type of Seal | Size

SEAL INFORMATION	
MATERIAL	15% GLASS FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



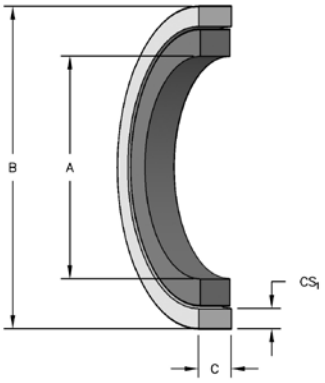
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1600-16	.787	1	.088	.094 ±.003	.787 ±.002	.999 +.000 -.003	1.000 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-18	.912	1-1/8	.088	.094 ±.003	.912 ±.002	1.124 +.000 -.003	1.125 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-20	1.037	1-1/4	.088	.094 ±.003	1.037 ±.002	1.249 +.000 -.003	1.250 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-22	1.162	1-3/8	.088	.094 ±.003	1.162 ±.002	1.374 +.000 -.003	1.375 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-24	1.287	1-1/2	.088	.094 ±.003	1.287 ±.002	1.499 +.000 -.003	1.500 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-26	1.412	1-5/8	.088	.094 ±.003	1.412 ±.002	1.624 +.000 -.003	1.625 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-28	1.537	1-3/4	.088	.094 ±.003	1.537 ±.002	1.749 +.000 -.003	1.750 +.002 +.000	.088 ±.005	.055 ±.005
PS1600-30	1.598	1-7/8	.12	.126 ±.003	1.598 ±.002	1.874 +.000 -.003	1.875 +.002 +.000	.120 ±.005	.060 ±.005
PS1600-32	1.723	2	.12	.126 ±.003	1.723 ±.002	1.999 +.000 -.003	2.000 +.002 +.000	.120 ±.005	.060 ±.005
PS1600-36	1.973	2-1/4	.12	.126 ±.003	1.973 ±.002	2.249 +.000 -.003	2.250 +.002 +.000	.120 ±.005	.060 ±.005
PS1600-38	2.098	2-3/8	.12	.126 ±.003	2.098 ±.002	2.374 +.000 -.003	2.375 +.002 +.000	.120 ±.005	.060 ±.005
PS1600-40	2.223	2-1/2	.12	.126 ±.003	2.223 ±.002	2.500 +.000 -.003	2.500 +.002 +.000	.120 ±.005	.060 ±.005
PS1600-44	2.353	2-3/4	.15	.157 ±.003	2.353 ±.002	2.750 +.000 -.004	2.750 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-48	2.603	3	.15	.157 ±.003	2.603 ±.002	3.000 +.000 -.004	3.000 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-52	2.853	3-1/4	.15	.157 ±.003	2.853 ±.002	3.250 +.000 -.004	3.250 +.002 +.000	.150 ±.005	.090 ±.005

STYLE PS1600 GLASS FILLED PTFE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1600-56	3.103	3-1/2	.15	.157 ±.003	3.103 ±.002	3.500 +.000 -.004	3.500 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-60	3.353	3-3/4	.15	.157 ±.003	3.353 ±.002	3.749 +.000 -.004	3.750 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-64	3.603	4	.15	.157 ±.003	3.603 ±.002	4.000 +.000 -.004	4.000 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-68	3.853	4-1/4	.15	.157 ±.003	3.853 ±.002	4.250 +.000 -.004	4.250 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-72	4.103	4-1/2	.15	.157 ±.003	4.103 ±.002	4.500 +.000 -.004	4.500 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-76	4.353	4-3/4	.15	.157 ±.003	4.353 ±.002	4.750 +.000 -.004	4.750 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-80	4.603	5	.15	.157 ±.003	4.603 ±.002	5.000 +.000 -.004	5.000 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-84	4.853	5-1/4	.15	.157 ±.003	4.853 ±.002	5.250 +.000 -.004	5.250 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-88	5.103	5-1/2	.15	.157 ±.003	5.103 ±.002	5.500 +.000 -.004	5.500 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-92	5.353	5-3/4	.15	.157 ±.003	5.353 ±.002	5.750 +.000 -.004	5.750 +.002 +.000	.150 ±.005	.090 ±.005
PS1600-96	5.305	6	.287	.293 ±.003	5.305 ±.002	6.000 +.000 -.005	6.000 +.002 +.000	.287 ±.005	.120 ±.005
PS1600-112	6.305	7	.287	.293 ±.003	6.305 ±.002	7.000 +.000 -.005	7.000 +.002 +.000	.287 ±.005	.120 ±.005

STYLE PS1800 GLASS FILLED PTFE PISTON SEALS

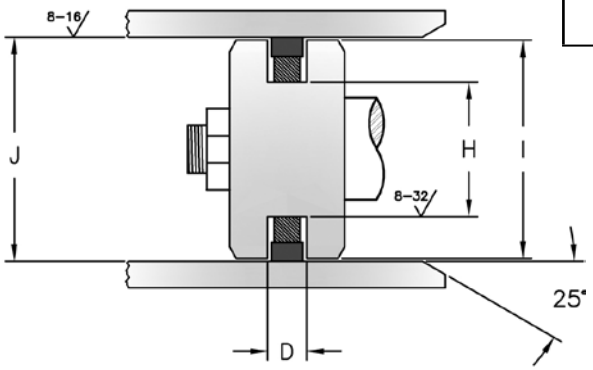
The PS1800 provides low friction, high strength piston sealing. The PS1800 also provides double-acting piston sealing in a compact design that meets the requirements of ANSI/B93-32-1973. **NOTE:** Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1800 - 16

Piston Seal | Type of Seal | Size



SEAL INFORMATION	
MATERIAL	15% GLASS FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1800-16	11/16	1	.121	.129 ±.002	.690 ±.002	.999 +.000 -.005	1.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-20	15/16	1-1/4	.121	.129 ±.002	.940 ±.002	1.249 +.000 -.005	1.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-24	1-3/16	1-1/2	.121	.129 ±.002	1.190 ±.002	1.499 +.000 -.005	1.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-28	1-7/16	1-3/4	.121	.129 ±.002	1.440 ±.002	1.749 +.000 -.005	1.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-32	1-11/16	2	.121	.129 ±.002	1.690 ±.002	1.999 +.000 -.005	2.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-36	1-15/16	2-1/4	.121	.129 ±.002	1.940 ±.002	2.249 +.000 -.005	2.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-40	2-3/16	2-1/2	.121	.129 ±.002	2.190 ±.002	2.499 +.000 -.005	2.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-44A	2-3/16	2-3/4	.274	.284 ±.002	2.190 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-44	2-7/16	2-3/4	.121	.129 ±.002	2.440 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-48	2-7/16	3	.274	.284 ±.002	2.440 ±.002	2.999 +.000 -.006	3.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-52	2-11/16	3-1/4	.274	.284 ±.002	2.690 ±.002	3.249 +.000 -.006	3.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-56	2-15/16	3-1/2	.274	.284 ±.002	2.940 ±.002	3.499 +.000 -.006	3.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-60	3-3/16	3-3/4	.274	.284 ±.002	3.190 ±.002	3.749 +.000 -.006	3.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-64	3-7/16	4	.274	.284 ±.002	3.440 ±.002	3.999 +.000 -.006	4.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-68	3-11/16	4-1/4	.274	.284 ±.002	3.690 ±.002	4.249 +.000 -.006	4.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006

STYLE PS1800 GLASS FILLED PTFE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1800-72	3-15/16	4-1/2	.274	.284 ±.002	3.940 ±.002	4.499 +.000 -.006	4.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-74	4-5/64	4-5/8	.274	.284 ±.002	4.078 ±.002	4.624 +.000 -.007	4.625 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-76	4-3/16	4-3/4	.274	.284 ±.002	4.190 ±.002	4.749 +.000 -.006	4.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-80	4-7/16	5	.274	.284 ±.002	4.440 ±.002	4.999 +.000 -.006	5.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-84	4-1/2	5-1/4	.367	.379 ±.002	4.488 ±.002	5.249 +.000 -.007	5.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-88	4-3/4	5-1/2	.367	.379 ±.002	4.738 ±.002	5.499 +.000 -.007	5.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-90	4-7/8	5-5/8	.367	.379 ±.002	4.863 ±.002	5.624 +.000 -.007	5.625 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-92	5	5-3/4	.367	.379 ±.002	4.988 ±.002	5.749 +.000 -.007	5.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-96	5-1/4	6	.367	.379 ±.002	5.238 ±.002	5.999 +.000 -.007	6.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-100	5-1/2	6-1/4	.367	.379 ±.002	5.488 ±.002	6.249 +.000 -.007	6.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-104	5-3/4	6-1/2	.367	.379 ±.002	5.738 ±.002	6.499 +.000 -.007	6.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-112	6-1/4	7	.367	.379 ±.002	6.238 ±.002	6.999 +.000 -.007	7.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-116	6-1/2	7-1/4	.367	.379 ±.002	6.488 ±.002	7.249 +.000 -.007	7.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-120	6-3/4	7-1/2	.367	.379 ±.002	6.738 ±.002	7.499 +.000 -.007	7.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-128	7-1/4	8	.367	.379 ±.002	7.238 ±.002	7.999 +.000 -.007	8.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-132	7-1/2	8-1/4	.367	.379 ±.002	7.488 ±.002	8.249 +.000 -.007	8.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-136	7-3/4	8-1/2	.367	.379 ±.002	7.738 ±.002	8.499 +.000 -.007	8.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-144	8-1/8	9	.367	.379 ±.002	8.122 ±.002	8.999 +.000 -.008	9.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-152	8-5/8	9-1/2	.367	.379 ±.002	8.622 ±.002	9.499 +.000 -.008	9.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-160	9-1/8	10	.367	.379 ±.002	9.122 ±.002	9.999 +.000 -.008	10.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-168	9-5/8	10-1/2	.367	.379 ±.002	9.622 ±.002	10.499 +.000 -.008	10.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-176	10-1/8	11	.367	.379 ±.002	10.122 ±.002	10.999 +.000 -.008	11.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-192	11-1/8	12	.367	.379 ±.002	11.122 ±.002	11.999 +.000 -.008	12.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
* PS1800-208	12-1/8	13	.367	.379 ±.002	12.122 ±.002	12.999 +.000 -.008	13.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
* PS1800-224	13-1/8	14	.367	.379 ±.002	13.122 ±.002	13.999 +.000 -.008	14.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015

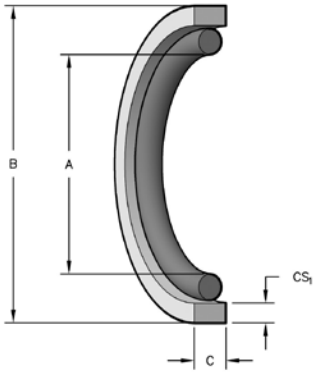
***Note - PS1800-208 and PS1800-224 use round energizer.**

INSTALLATION OF PTFE PISTON SEALS

Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications. Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, knead the ring over the piston into the groove. With rings of larger cross-sections it may be necessary to heat the ring. Warming the ring in water or oil at 130° F or 140° F for about 5 minutes will soften the material for easier installation. Always avoid inconsistent stretching or overstretching of the PTFE seal. To prevent the PTFE ring from snapping into the wrong groove, cover wear ring grooves with plastic tape. After seal installation, assembly of the cylinder may be difficult if the piston seal is loose on the piston or the cylinder has an inadequate leading edge chamfer. In such cases, compress the piston seal with belting or a suitable hose clamp. If the piston seal must pass threads or any other sharp edges during the cylinder assembly, cover the edges with plastic tape or wrap.

STYLE PS1800-V GLASS FILLED PTFE PISTON SEALS

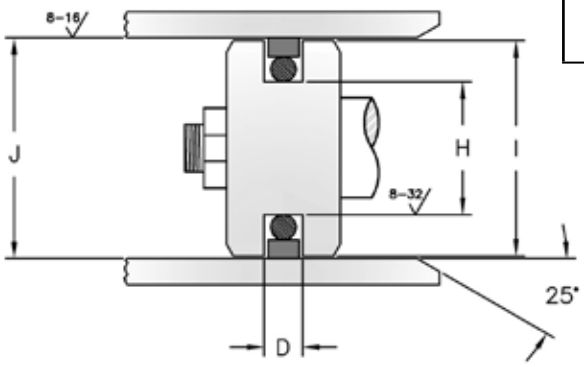
The PS1800-V provides low friction, high strength piston sealing. The PS1800 also provides double-acting piston sealing in a compact design that meets the requirements of ANSI/B93-32-1973.
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1800 - 16V

PS — Piston Seal
1800 — Type of Seal
16V — Size



SEAL INFORMATION	
MATERIAL	15% GLASS FILLED PTFE SEAL FKM ENERGIZER
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

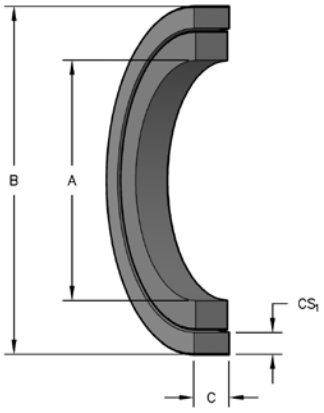
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1800-16V	11/16	1	.121	.129 ±.002	.690 ±.002	.999 +.000 -.005	1.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-20V	15/16	1-1/4	.121	.129 ±.002	.940 ±.002	1.249 +.000 -.005	1.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-24V	1-3/16	1-1/2	.121	.129 ±.002	1.190 ±.002	1.499 +.000 -.005	1.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-28V	1-7/16	1-3/4	.121	.129 ±.002	1.440 ±.002	1.749 +.000 -.005	1.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-32V	1-11/16	2	.121	.129 ±.002	1.690 ±.002	1.999 +.000 -.005	2.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-36V	1-15/16	2-1/4	.121	.129 ±.002	1.940 ±.002	2.249 +.000 -.005	2.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-40V	2-3/16	2-1/2	.121	.129 ±.002	2.190 ±.002	2.499 +.000 -.005	2.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-44AV	2-3/16	2-3/4	.274	.284 ±.002	2.190 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-44V	2-7/16	2-3/4	.121	.129 ±.002	2.440 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1800-48V	2-7/16	3	.274	.284 ±.002	2.440 ±.002	2.999 +.000 -.006	3.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-52V	2-11/16	3-1/4	.274	.284 ±.002	2.690 ±.002	3.249 +.000 -.006	3.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-56V	2-15/16	3-1/2	.274	.284 ±.002	2.940 ±.002	3.499 +.000 -.006	3.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-60V	3-3/16	3-3/4	.274	.284 ±.002	3.190 ±.002	3.749 +.000 -.006	3.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-64V	3-7/16	4	.274	.284 ±.002	3.440 ±.002	3.999 +.000 -.006	4.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-68V	3-11/16	4-1/4	.274	.284 ±.002	3.690 ±.002	4.249 +.000 -.006	4.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006

STYLE PS1800-V GLASS FILLED PTFE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1800-72V	3-15/16	4-1/2	.274	.284 ±.002	3.940 ±.002	4.499 +.000 -.006	4.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-74V	4-5/64	4-5/8	.274	.284 ±.002	4.078 ±.002	4.624 +.000 -.007	4.625 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-76V	4-3/16	4-3/4	.274	.284 ±.002	4.190 ±.002	4.749 +.000 -.006	4.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-80V	4-7/16	5	.274	.284 ±.002	4.440 ±.002	4.999 +.000 -.006	5.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1800-84V	4-1/2	5-1/4	.367	.379 ±.002	4.488 ±.002	5.249 +.000 -.007	5.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-88V	4-3/4	5-1/2	.367	.379 ±.002	4.738 ±.002	5.499 +.000 -.007	5.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-90V	4-7/8	5-5/8	.367	.379 ±.002	4.863 ±.002	5.624 +.000 -.007	5.625 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-92V	5	5-3/4	.367	.379 ±.002	4.988 ±.002	5.749 +.000 -.007	5.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-96V	5-1/4	6	.367	.379 ±.002	5.238 ±.002	5.999 +.000 -.007	6.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-100V	5-1/2	6-1/4	.367	.379 ±.002	5.488 ±.002	6.249 +.000 -.007	6.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-104V	5-3/4	6-1/2	.367	.379 ±.002	5.738 ±.002	6.499 +.000 -.007	6.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-112V	6-1/4	7	.367	.379 ±.002	6.238 ±.002	6.999 +.000 -.007	7.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-116V	6-1/2	7-1/4	.367	.379 ±.002	6.488 ±.002	7.249 +.000 -.007	7.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-120V	6-3/4	7-1/2	.367	.379 ±.002	6.738 ±.002	7.499 +.000 -.007	7.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-128V	7-1/4	8	.367	.379 ±.002	7.238 ±.002	7.999 +.000 -.007	8.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-132V	7-1/2	8-1/4	.367	.379 ±.002	7.488 ±.002	8.249 +.000 -.007	8.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-136V	7-3/4	8-1/2	.367	.379 ±.002	7.738 ±.002	8.499 +.000 -.007	8.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1800-144V	8-1/8	9	.367	.379 ±.002	8.122 ±.002	8.999 +.000 -.008	9.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-152V	8-5/8	9-1/2	.367	.379 ±.002	8.622 ±.002	9.499 +.000 -.008	9.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-160V	9-1/8	10	.367	.379 ±.002	9.122 ±.002	9.999 +.000 -.008	10.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-168V	9-5/8	10-1/2	.367	.379 ±.002	9.622 ±.002	10.499 +.000 -.008	10.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-176V	10-1/8	11	.367	.379 ±.002	10.122 ±.002	10.999 +.000 -.008	11.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-192V	11-1/8	12	.367	.379 ±.002	11.122 ±.002	11.999 +.000 -.008	12.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-208V	12-1/8	13	.367	.379 ±.002	12.122 ±.002	12.999 +.000 -.008	13.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1800-224V	13-1/8	14	.367	.379 ±.002	13.122 ±.002	13.999 +.000 -.008	14.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015

STYLE PS1850 BRONZE FILLED PISTON SEALS

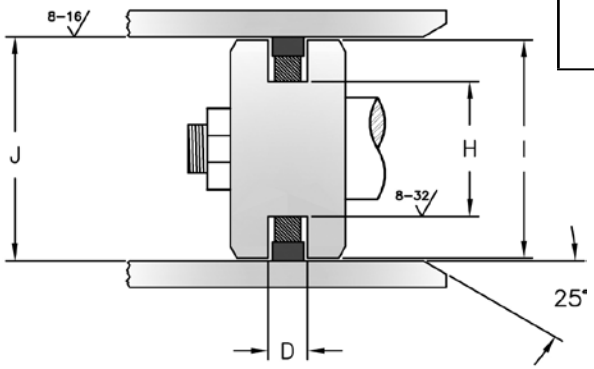
The PS1850 piston seal can be used interchangeably with the PS1800 style piston seal. This seal provides improved heat resistance for demanding applications. **NOTE:** Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1850 - 16

Piston Seal | Type of Seal | Size



SEAL INFORMATION	
MATERIAL	BRONZE FILLED PTFE SEALS RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

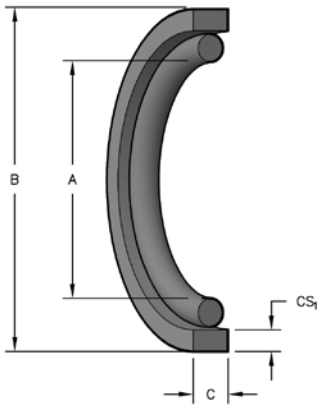
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1850-16	11/16	1	.121	.129 ±.002	.690 ±.002	.999 +.000 -.005	1.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-20	15/16	1-1/4	.121	.129 ±.002	.940 ±.002	1.249 +.000 -.005	1.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-24	1-3/16	1-1/2	.121	.129 ±.002	1.190 ±.002	1.499 +.000 -.005	1.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-28	1-7/16	1-3/4	.121	.129 ±.002	1.440 ±.002	1.749 +.000 -.005	1.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-32	1-11/16	2	.121	.129 ±.002	1.690 ±.002	1.999 +.000 -.005	2.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-36	1-15/16	2-1/4	.121	.129 ±.002	1.940 ±.002	2.249 +.000 -.005	2.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-40	2-3/16	2-1/2	.121	.129 ±.002	2.190 ±.002	2.499 +.000 -.005	2.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-44A	2-3/16	2-3/4	.274	.284 ±.002	2.190 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-44	2-7/16	2-3/4	.121	.129 ±.002	2.440 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-48	2-7/16	3	.274	.284 ±.002	2.440 ±.002	2.999 +.000 -.006	3.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-52	2-11/16	3-1/4	.274	.284 ±.002	2.690 ±.002	3.249 +.000 -.006	3.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-56	2-15/16	3-1/2	.274	.284 ±.002	2.940 ±.002	3.499 +.000 -.006	3.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-60	3-3/16	3-3/4	.274	.284 ±.002	3.190 ±.002	3.749 +.000 -.006	3.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-64	3-7/16	4	.274	.284 ±.002	3.440 ±.002	3.999 +.000 -.006	4.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-68	3-11/16	4-1/4	.274	.284 ±.002	3.690 ±.002	4.249 +.000 -.006	4.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006

STYLE PS1850 BRONZE FILLED PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1850-72	3-15/16	4-1/2	.274	.284 ±.002	3.940 ±.002	4.499 +.000 -.006	4.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-76	4-3/16	4-3/4	.274	.284 ±.002	4.190 ±.002	4.749 +.000 -.006	4.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-80	4-7/16	5	.274	.284 ±.002	4.440 ±.002	4.999 +.000 -.006	5.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-84	4-1/2	5-1/4	.367	.379 ±.002	4.488 ±.002	5.249 +.000 -.007	5.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-88	4-3/4	5-1/2	.367	.379 ±.002	4.738 ±.002	5.499 +.000 -.007	5.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-92	5	5-3/4	.367	.379 ±.002	4.988 ±.002	5.749 +.000 -.007	5.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-96	5-1/4	6	.367	.379 ±.002	5.238 ±.002	5.999 +.000 -.007	6.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-104	5-3/4	6-1/2	.367	.379 ±.002	5.738 ±.002	6.499 +.000 -.007	6.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-112	6-1/4	7	.367	.379 ±.002	6.238 ±.002	6.999 +.000 -.007	7.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-116	6-1/2	7-1/4	.367	.379 ±.002	6.488 ±.002	7.249 +.000 -.007	7.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-120	6-3/4	7-1/2	.367	.379 ±.002	6.738 ±.002	7.499 +.000 -.007	7.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-124	7	7-3/4	.367	.379 ±.002	6.988 ±.002	7.499 +.000 -.007	7.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-128	7-1/4	8	.367	.379 ±.002	7.238 ±.002	7.999 +.000 -.007	8.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-132	7-1/2	8-1/4	.367	.379 ±.002	7.488 ±.002	8.249 +.000 -.007	8.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-136	7-3/4	8-1/2	.367	.379 ±.002	7.738 ±.002	8.499 +.000 -.007	8.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-144	8-1/8	9	.367	.379 ±.002	8.122 ±.002	8.999 +.000 -.008	9.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-152	8-5/8	9-1/2	.367	.379 ±.002	8.622 ±.002	9.499 +.000 -.008	9.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-160	9-1/8	10	.367	.379 ±.002	9.122 ±.002	9.999 +.000 -.008	10.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-168	9-5/8	10-1/2	.367	.379 ±.002	9.622 ±.002	10.499 +.000 -.008	10.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-176	10-1/8	11	.367	.379 ±.002	10.122 ±.002	10.999 +.000 -.008	11.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-192	11-1/8	12	.367	.379 ±.002	11.122 ±.002	11.999 +.000 -.008	12.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-208	12-1/8	13	.367	.379 ±.002	12.122 ±.002	12.999 +.000 -.008	13.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-224	13-1/8	14	.367	.379 ±.002	13.122 ±.002	13.999 +.000 -.008	14.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015

STYLE PS1850-V BRONZE FILLED PISTON SEALS

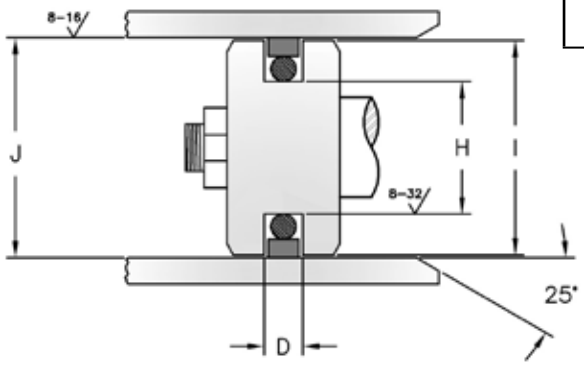
The PS1850-V piston seal can be used interchangeably with the PS1800 style piston seal. This seal provides improved heat resistance for demanding applications. **NOTE:** Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1850 - 16V

Piston Seal | Type of Seal | Size



SEAL INFORMATION	
MATERIAL	15% GLASS FILLED PTFE SEAL FKM ENERGIZER
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

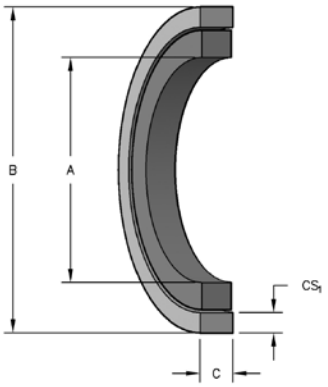
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1850-16V	11/16	1	.121	.129 ±.002	.690 ±.002	.999 +.000 -.005	1.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-20V	15/16	1-1/4	.121	.129 ±.002	.940 ±.002	1.249 +.000 -.005	1.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-24V	1-3/16	1-1/2	.121	.129 ±.002	1.190 ±.002	1.499 +.000 -.005	1.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-28V	1-7/16	1-3/4	.121	.129 ±.002	1.440 ±.002	1.749 +.000 -.005	1.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-32V	1-11/16	2	.121	.129 ±.002	1.690 ±.002	1.999 +.000 -.005	2.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-36V	1-15/16	2-1/4	.121	.129 ±.002	1.940 ±.002	2.249 +.000 -.005	2.250 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-40V	2-3/16	2-1/2	.121	.129 ±.002	2.190 ±.002	2.499 +.000 -.005	2.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-44AV	2-3/16	2-3/4	.274	.284 ±.002	2.190 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-44V	2-7/16	2-3/4	.121	.129 ±.002	2.440 ±.002	2.749 +.000 -.005	2.750 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1850-48V	2-7/16	3	.274	.284 ±.002	2.440 ±.002	2.999 +.000 -.006	3.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-52V	2-11/16	3-1/4	.274	.284 ±.002	2.690 ±.002	3.249 +.000 -.006	3.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-56V	2-15/16	3-1/2	.274	.284 ±.002	2.940 ±.002	3.499 +.000 -.006	3.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-60V	3-3/16	3-3/4	.274	.284 ±.002	3.190 ±.002	3.749 +.000 -.006	3.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-64V	3-7/16	4	.274	.284 ±.002	3.440 ±.002	3.999 +.000 -.006	4.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-68V	3-11/16	4-1/4	.274	.284 ±.002	3.690 ±.002	4.249 +.000 -.006	4.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006

STYLE PS1850-V BRONZE FILLED PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1850-72V	3-15/16	4-1/2	.274	.284 ±.002	3.940 ±.002	4.499 +.000 -.006	4.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-76V	4-3/16	4-3/4	.274	.284 ±.002	4.190 ±.002	4.749 +.000 -.006	4.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-80V	4-7/16	5	.274	.284 ±.002	4.440 ±.002	4.999 +.000 -.006	5.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1850-84V	4-1/2	5-1/4	.367	.379 ±.002	4.488 ±.002	5.249 +.000 -.007	5.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-88V	4-3/4	5-1/2	.367	.379 ±.002	4.738 ±.002	5.499 +.000 -.007	5.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-92V	5	5-3/4	.367	.379 ±.002	4.988 ±.002	5.749 +.000 -.007	5.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-96V	5-1/4	6	.367	.379 ±.002	5.238 ±.002	5.999 +.000 -.007	6.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-104V	5-3/4	6-1/2	.367	.379 ±.002	5.738 ±.002	6.499 +.000 -.007	6.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-112V	6-1/4	7	.367	.379 ±.002	6.238 ±.002	6.999 +.000 -.007	7.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-116V	6-1/2	7-1/4	.367	.379 ±.002	6.488 ±.002	7.249 +.000 -.007	7.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-120V	6-3/4	7-1/2	.367	.379 ±.002	6.738 ±.002	7.499 +.000 -.007	7.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-124V	7	7-3/4	.367	.379 ±.002	6.988 ±.002	7.499 +.000 -.007	7.750 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-128V	7-1/4	8	.367	.379 ±.002	7.238 ±.002	7.999 +.000 -.007	8.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-132V	7-1/2	8-1/4	.367	.379 ±.002	7.488 ±.002	8.249 +.000 -.007	8.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-136V	7-3/4	8-1/2	.367	.379 ±.002	7.738 ±.002	8.499 +.000 -.007	8.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1850-144V	8-1/8	9	.367	.379 ±.002	8.122 ±.002	8.999 +.000 -.008	9.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-152V	8-5/8	9-1/2	.367	.379 ±.002	8.622 ±.002	9.499 +.000 -.008	9.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-160V	9-1/8	10	.367	.379 ±.002	9.122 ±.002	9.999 +.000 -.008	10.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-168V	9-5/8	10-1/2	.367	.379 ±.002	9.622 ±.002	10.499 +.000 -.008	10.500 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-176V	10-1/8	11	.367	.379 ±.002	10.122 ±.002	10.999 +.000 -.008	11.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-192V	11-1/8	12	.367	.379 ±.002	11.122 ±.002	11.999 +.000 -.008	12.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-208V	12-1/8	13	.367	.379 ±.002	12.122 ±.002	12.999 +.000 -.008	13.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015
PS1850-224V	13-1/8	14	.367	.379 ±.002	13.122 ±.002	13.999 +.000 -.008	14.000 +.002 +.000	.367 +.000 -.005	.210 +.000 -.015

STYLE PS1708 POLY-TREL™ PISTON SEALS

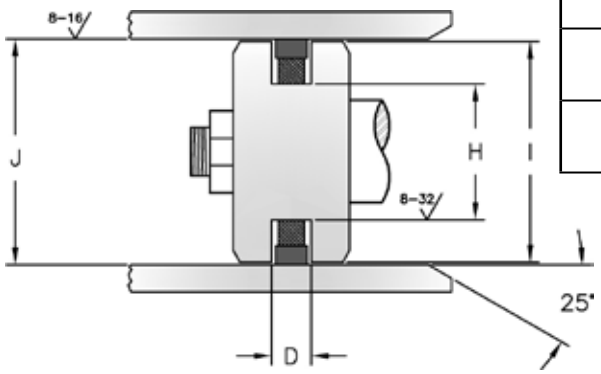
Manufactured from 55 Shore D polyester reinforced with <5% glass fiber, style PS1708 offers compact, low friction sealing for light to medium duty hydraulic cylinders. Style PS1708 is easily stretched over the piston without needing to be resized as in the PS1800 seals. Directly interchangeable with style PS1800 and PS1850 piston seals.
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 1708 - 32

Piston Seal | Type of Seal | Size

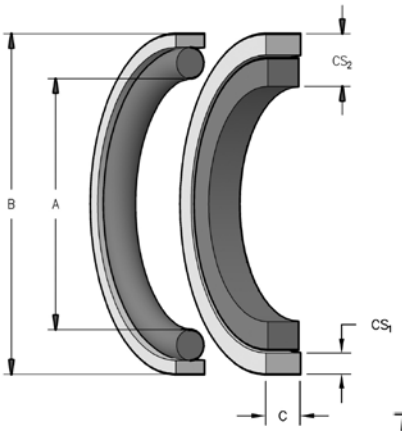


SEAL INFORMATION	
MATERIAL	POLY-TREL™ THERMOPLASTIC 70A NBR ENERGIZER
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS1708-32	1-11/16	2	.121	.129 ±.002	1.690 ±.002	1.999 +.000 -.003	2.000 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1708-40	2-3/16	2-1/2	.121	.129 ±.002	2.190 ±.002	2.499 +.000 -.005	2.500 +.002 +.000	.121 +.000 -.005	.073 +.000 -.006
PS1708-48	2-7/16	3	.274	.284 ±.002	2.440 ±.002	2.999 +.000 -.006	3.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-52	2-11/16	3-1/4	.274	.284 ±.002	2.690 ±.002	3.249 +.000 -.006	3.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-56	2-15/16	3-1/2	.274	.284 ±.002	2.940 ±.002	3.499 +.000 -.006	3.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-60	3-3/16	3-3/4	.274	.284 ±.002	3.190 ±.002	3.749 +.000 -.006	3.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-64	3-7/16	4	.274	.284 ±.002	3.440 ±.002	3.999 +.000 -.006	4.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-68	3-11/16	4-1/4	.274	.284 ±.002	3.690 ±.002	4.249 +.000 -.006	4.250 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-72	3-15/16	4-1/2	.274	.284 ±.002	3.940 ±.002	4.499 +.000 -.006	4.500 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-76	4-3/16	4-3/4	.274	.284 ±.002	4.190 ±.002	4.749 +.000 -.006	4.750 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-80	4-7/16	5	.274	.284 ±.002	4.440 ±.002	4.999 +.000 -.006	5.000 +.002 +.000	.274 +.000 -.005	.093 +.000 -.006
PS1708-88	4-3/4	5-1/2	.367	.379 ±.002	4.738 ±.002	5.499 +.000 -.007	5.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1708-96	5-1/4	6	.367	.379 ±.002	5.238 ±.002	5.999 +.000 -.007	6.000 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1708-100	5-1/2	6-1/4	.367	.379 ±.002	5.488 ±.002	6.249 +.000 -.007	6.250 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010
PS1708-104	5-3/4	6-1/2	.367	.379 ±.002	5.738 ±.002	6.499 +.000 -.007	6.500 +.002 +.000	.367 +.000 -.005	.147 +.000 -.010

STYLE PS1900 NON-STANDARD PTFE PISTON SEALS

These specifically sized seals are for certain OEM cylinders (primarily Heil & Timberjack). Their use is intended for existing housings where the old seals are dimensionally comparable to the table below. Please call your sales representative if you need additional assistance.

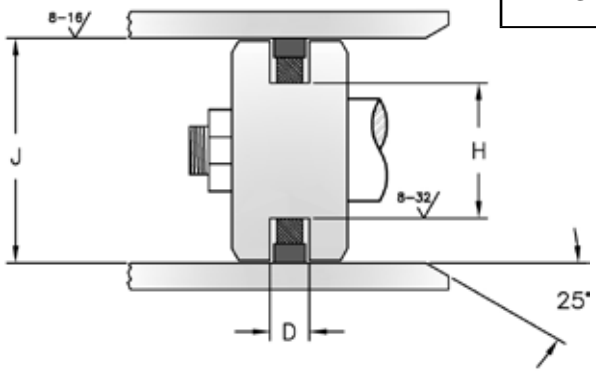


PART NUMBERS

PS 1900 - 25.2

Piston Seal | Type of Seal | Size

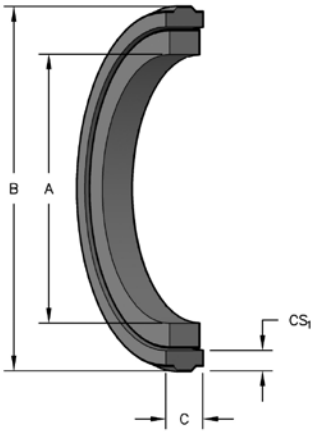
SEAL INFORMATION	
MATERIAL	GLASS FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION	CS_2 TOTAL CROSS SECTION
PS1900-25.2	1.13	1.578	.154	.164 +.002 +.000	1.130 ±.002	1.578 +.002 +.000	.154 ±.002	.106 ±.003	.245
PS1900-28.3	1.323	1.771	.154	.164 +.002 +.000	1.323 ±.002	1.771 +.002 +.000	.154 ±.002	.106 ±.003	.245
PS1900-32	1.649	2	.155	.160 +.002 +.000	1.649 ±.002	2.000 +.002 +.000	.155 +.002 -.003	.088 ±.003	.191
PS1900-40	1.951	2-1/2	.245	.255 +.002 +.000	1.951 ±.002	2.500 +.002 +.000	.245	.092	.295
PS1900-56	2.715	3-1/2	.365	.380 +.002 +.000	2.715 ±.002	3.500 +.002 +.000	.365 +.002 -.003	.145 +.002 -.003	.420
PS1900-64	3.238	4	.365	.379 ±.002	3.238 ±.002	4.000 ±.002	.365 ±.002	.140 ±.005	.405
PS1900-64A	3.451	4	.31	.320 +.002 +.000	3.451 ±.002	4.000 +.002 +.000	.310	.092	.295
PS1900-72	3.738	4-1/2	.365	.379 ±.002	3.738 ±.002	4.500 ±.002	.365 ±.002	.140 ±.005	.415
PS1900-72A	3.951	4-1/2	.31	.320 +.002 +.000	3.951 ±.002	4.500 +.002 +.000	.310	.092	.295
PS1900-76	4.073	4-3/4	.225	.235 +.002 +.000	4.073 ±.002	4.750 +.002 +.000	.225 +.000 -.006	.160 ±.003	.370
PS1900-80A	4.239	5	.365	.370 +.002 +.000	4.239 ±.002	5.000 +.002 +.000	.365 +.002 -.003	.142 ±.005	.407

STYLE PS2700 POLYURETHANE PISTON SEALS

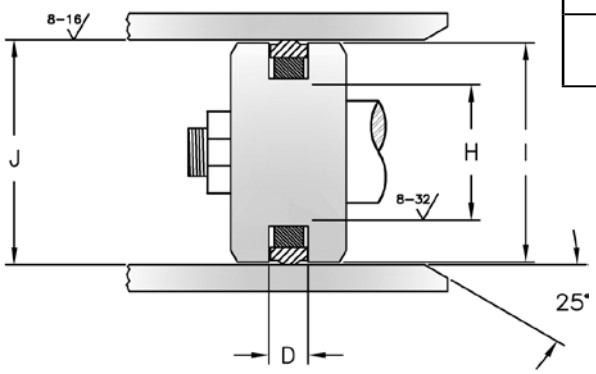
This seal, molded from high grade 55D polyurethane, may retrofit the PS1800 seals, considering all dimensions are comparable. This seal material, with a high degree of memory, stretches over the piston and snaps in the groove for immediate assembly. These seals also feature low friction and high abrasion and extrusion resistance which helps to eliminate assembly damage. Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 2700 - 16

Piston Seal | Type of Seal | Size



SEAL INFORMATION	
MATERIAL	GLASS / PTFE FILLED 55D POLYURETHANE SEAL, RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

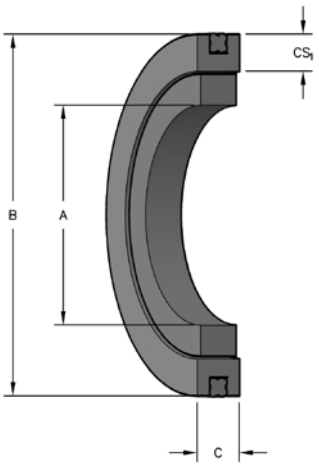
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS2700-16	.691	1	.119	.129 ±.002	.691 ±.001	.999 +.000 -.009	1.000 +.002 +.000	.119 +.002 -.003	.070 ±.003
PS2700-20	.941	1-1/4	.119	.129 ±.002	.941 ±.002	1.249 +.000 -.009	1.250 +.002 +.000	.119 +.002 -.003	.070 ±.003
PS2700-24	1.191	1-1/2	.119	.129 ±.002	1.191 ±.002	1.499 +.000 -.009	1.500 +.002 +.000	.119 +.002 -.003	.070 ±.003
PS2700-28	1.441	1-3/4	.119	.129 ±.002	1.441 ±.002	1.749 +.000 -.009	1.750 +.002 +.000	.119 +.002 -.003	.070 ±.003
PS2700-32	1.691	2	.119	.129 ±.002	1.691 ±.002	1.999 +.000 -.009	2.000 +.003 +.000	.119 +.002 -.003	.070 ±.003
PS2700-36	1.941	2-1/4	.119	.129 ±.002	1.941 ±.002	2.249 +.000 -.009	2.250 +.003 +.000	.119 +.002 -.003	.070 ±.003
PS2700-40A	1.962	2-1/2	.272	.284 ±.002	1.962 ±.002	2.499 +.000 -.009	2.500 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-40	2.191	2-1/2	.119	.129 ±.002	2.191 ±.002	2.499 +.000 -.009	2.500 +.003 +.000	.119 +.002 -.003	.070 ±.003
PS2700-44	2.441	2-3/4	.119	.129 ±.002	2.441 ±.002	2.749 +.000 -.009	2.750 +.003 +.000	.119 +.002 -.003	.070 ±.003
PS2700-48	2.462	3	.272	.283 ±.003	2.462 ±.002	2.999 +.000 -.014	3.000 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-52	2.712	3-1/4	.272	.283 ±.003	2.712 ±.002	3.249 +.000 -.014	3.250 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-56	2.962	3-1/2	.272	.283 ±.003	2.962 ±.002	3.499 +.000 -.014	3.500 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-60	3.212	3-3/4	.272	.283 ±.003	3.212 ±.003	3.749 +.000 -.014	3.750 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-64	3.462	4	.272	.283 ±.003	3.462 ±.003	3.999 +.000 -.014	4.000 +.003 +.000	.272 +.002 -.003	.090 ±.003

STYLE PS2700 POLYURETHANE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS2700-68	3.712	4-1/4	.272	.283 ±.003	3.712 ±.003	4.249 +.000 -.014	4.250 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-72	3.962	4-1/2	.272	.283 ±.003	3.962 ±.003	4.499 +.000 -.014	4.500 +.003 +.000	.272 +.002 -.003	.090 ±.003
PS2700-76	4.212	4-3/4	.272	.283 ±.003	4.212 ±.003	4.749 +.000 -.014	4.750 +.004 +.000	.272 +.002 -.003	.090 ±.003
PS2700-80	4.462	5	.272	.283 ±.003	4.462 ±.003	4.999 +.000 -.014	5.000 +.004 +.000	.272 +.002 -.003	.090 ±.003
PS2700-84	4.504	5-1/4	.365	.378 ±.004	4.504 ±.003	5.249 +.000 -.014	5.250 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-88	4.754	5-1/2	.365	.378 ±.004	4.754 ±.003	5.499 +.000 -.014	5.500 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-96	5.254	6	.365	.378 ±.004	5.254 ±.003	5.999 +.000 -.014	6.000 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-100	5.504	6-1/4	.365	.378 ±.004	5.504 ±.003	6.249 +.000 -.014	6.250 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-104	5.754	6-1/2	.365	.378 ±.004	5.754 ±.003	6.499 +.000 -.014	6.500 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-112	6-1/4	7	.365	.378 ±.004	6.250 ±.003	6.999 +.000 -.014	7.000 +.004 +.000	.365 +.002 -.003	.142 ±.005
PS2700-116	6.504	7-1/4	.365	.378 ±.004	6.504 ±.003	7.249 +.000 -.014	7.250 +.005 +.000	.365 +.002 -.003	.142 ±.005
PS2700-128	7.254	8	.365	.378 ±.004	7.254 ±.004	7.999 +.000 -.014	8.000 +.005 +.000	.365 +.002 -.003	.142 ±.005
PS2700-136	7.754	8-1/2	.365	.378 ±.004	7.754 ±.004	8.499 +.000 -.014	8.500 +.005 +.000	.365 +.002 -.003	.142 ±.005
PS2700-144	8.137	9	.365	.378 ±.004	8.137 ±.004	8.999 +.000 -.014	9.000 +.005 +.000	.365 +.002 -.003	.203 +.007 -.008
PS2700-160	9.137	10	.365	.378 ±.004	9.137 ±.004	9.999 +.000 -.014	10.000 +.005 +.000	.365 +.002 -.003	.203 +.007 -.008

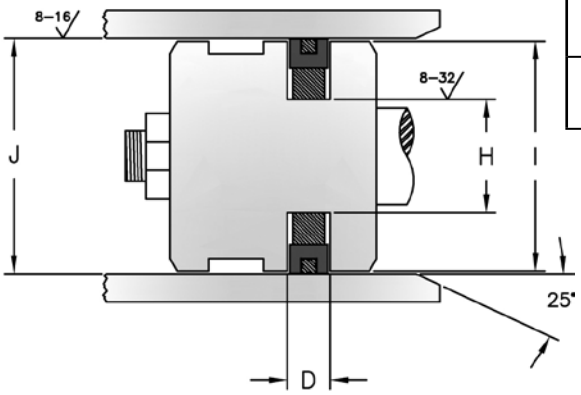
STYLE PSQ BRONZE FILLED PISTON SEALS

These piston seals provide bi-directional, low friction sealing with increased stability and superior leakage control. The square cut energizer provides low pressure sealing and eliminates backside leakage. This seal also effectively seals between different fluids on each side of the piston seal, making gas/liquid sealing combinations possible.
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PSQ - 24
Piston Seal — Size



SEAL INFORMATION	
MATERIAL	40% BRONZE FILLED PTFE SEAL RUBBER ENERGIZER AND QUAD® RING
TEMPERATURE RANGE	-40° TO +250° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	6 FT/SEC

MAXIMUM EXTRUSION GAP

PRESSURE	1000 PSI	3000 PSI	5000 PSI
MAX DIAM. GAP BORE 1-1/2" - 5"	0.024"	0.008"	0.005"
MAX DIAM. GAP BORE 6" - 10"	0.030"	0.010"	0.006"

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS_1 RING CROSS SECTION
PSQ-24	.884	1-1/2	.271	.270 ±.005	.288 +.005 +.000	.884 +.000 -.003	1.499 +.000 -.002	1.500 +.002 +.000	.130 ±.005
PSQ-28	1.496	1-3/4	.27	.270 ±.005	.290 ±.002	1.134 ±.003	1.749 +.000 -.002	1.750 +.002 +.000	.130 ±.005
PSQ-32	1.384	2	.271	.270 ±.005	.288 +.005 +.000	1.384 +.000 -.003	1.999 +.000 -.002	2.000 +.002 +.000	.130 ±.005
PSQ-36	1.634	2-1/4	.271	.270 ±.005	.288 +.005 +.000	1.634 +.000 -.003	2.249 +.000 -.002	2.250 +.002 +.000	.130 ±.005
PSQ-40	1.884	2-1/2	.271	.270 ±.005	.288 +.005 +.000	1.884 +.000 -.003	2.499 +.000 -.002	2.500 +.002 +.000	.130 ±.005
PSQ-44	2.134	2-3/4	.271	.270 ±.005	.288 +.005 +.000	2.134 +.000 -.003	2.749 +.000 -.002	2.750 +.002 +.000	.130 ±.005
PSQ-48	2.384	3	.271	.270 ±.005	.288 +.005 +.000	2.384 +.000 -.003	2.999 +.000 -.002	3.000 +.002 +.000	.130 ±.005
PSQ-52	2.634	3-1/4	.271	.270 ±.005	.288 +.005 +.000	2.634 +.000 -.003	3.249 +.000 -.002	3.250 +.002 +.000	.130 ±.005
PSQ-56	2.884	3-1/2	.271	.270 ±.005	.288 +.005 +.000	2.884 +.000 -.003	3.499 +.000 -.002	3.500 +.002 +.000	.130 ±.005

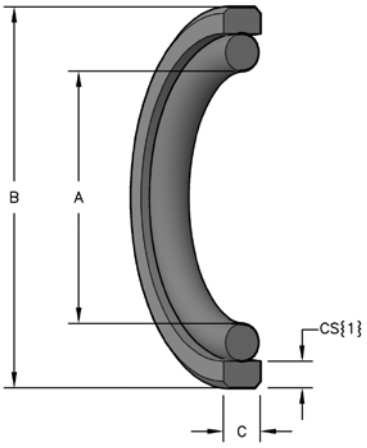
STYLE PSQ BRONZE FILLED PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS_1 RING CROSS SECTION
PSQ-64	3.384	4	.271	.270 ±.005	.288 +.005 +.000	3.384 +.000 -.003	3.999 +.000 -.002	4.000 +.002 +.000	.130 ±.005
PSQ-68	3.634	4-1/4	.271	.270 ±.005	.288 +.005 +.000	3.634 +.000 -.003	4.249 +.000 -.002	4.250 +.002 +.000	.130 ±.005
PSQ-72	3.884	4-1/2	.271	.270 ±.005	.288 +.005 +.000	3.884 +.000 -.003	4.499 +.000 -.002	4.500 +.002 +.000	.130 ±.005
PSQ-80	4.384	5	.271	.270 ±.005	.288 +.005 +.000	4.384 +.000 -.006	4.998 +.000 -.004	5.000 +.004 +.000	.130 ±.005
PSQ-88	4.66	5-1/2	.362	.362 ±.005	.375 +.005 +.000	4.660 +.000 -.006	5.498 +.000 -.004	5.500 +.004 +.000	.195 ±.005
PSQ-96	5.16	6	.362	.362 ±.005	.375 +.005 +.000	5.160 +.000 -.006	5.998 +.000 -.004	6.000 +.004 +.000	.195 ±.005
PSQ-104	5.66	6-1/2	.362	.362 ±.005	.375 +.005 +.000	5.660 +.000 -.006	6.498 +.000 -.004	6.500 +.004 +.000	.195 ±.005
PSQ-112	6.16	7	.362	.362 ±.005	.375 +.005 +.000	6.160 +.000 -.006	6.998 +.000 -.004	7.000 +.004 +.000	.195 ±.005
PSQ-128	7.16	8	.362	.362 ±.005	.375 +.005 +.000	7.160 +.000 -.006	7.998 +.000 -.004	8.000 +.004 +.000	.195 ±.005
PSQ-144	8.16	9	.362	.362 ±.005	.375 +.005 +.000	8.160 +.000 -.006	8.998 +.000 -.004	9.000 +.004 +.000	.195 ±.005
PSQ-160	9.16	10	.362	.362 ±.005	.375 +.005 +.000	9.160 +.000 -.006	9.998 +.000 -.004	10.000 +.004 +.000	.195 ±.005

Seal color may vary.

STYLE PS2470 BRONZE FILLED PTFE PISTON SEALS

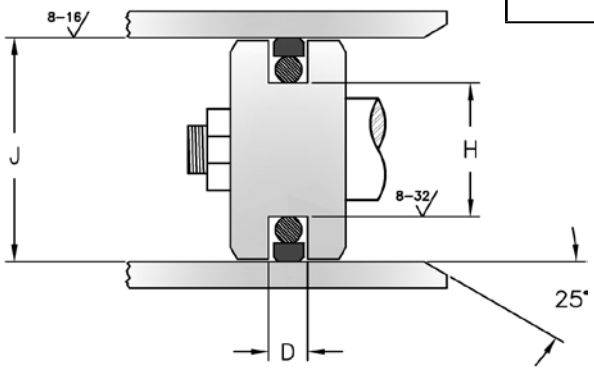
Molded from a PTFE base material with 40% bronze and machined to exacting tolerances, this seal exhibits low friction and high strength corners are chamfered for cold flow resistance.



PART NUMBERS

PS 2472 - 32

Piston Seal | Type of Seal | Size

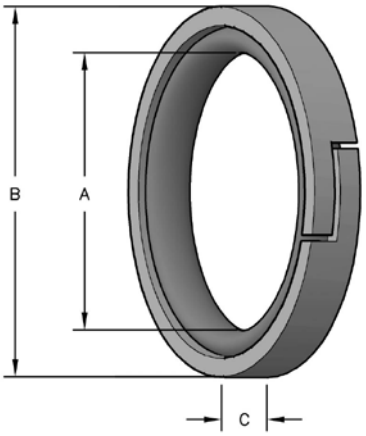


SEAL INFORMATION	
MATERIAL	40% BRONZE FILLE PTFE RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
PS2472-32	1-9/16	2	.15	.168 ±.002	1.576 ±.002	2.000	.150	.100
PS2472-40	2-1/16	2-1/2	.15	.168 ±.002	2.076 ±.002	2.500	.150	.100
PS2472-44	2-5/16	2-3/4	.15	.168 ±.002	2.326 ±.002	2.750	.150	.100
PS2472-48	2-9/16	3	.15	.168 ±.002	2.576 ±.002	3.000	.150	.100
PS2473-52	2-5/8	3-1/4	.225	.249 ±.002	2.634 ±.003	3.250	.225	.140
PS2473-56	2-7/8	3-1/2	.225	.249 ±.002	2.884 ±.003	3.500	.225	.140
PS2473-64	3-3/8	4	.225	.249 ±.002	3.384 ±.003	4.000	.225	.140
PS2473-68	3-5/8	4-1/4	.225	.249 ±.002	3.634 ±.003	4.250	.225	.145
PS2473-72	3-7/8	4-1/2	.225	.249 ±.002	3.884 ±.003	4.500	.225	.140
PS2473-80	4-3/8	5	.225	.249 ±.002	4.384 ±.003	5.000	.225	.140
PS2474-88	4-21/32	5-1/2	.29	.322 ±.002	4.670 ±.004	5.500	.290	.195
PS2474-96	5-5/32	6	.29	.322 ±.002	5.170 ±.004	6.000	.290	.195
PS2473-96	5-3/8	6	.225	.249 ±.002	5.384 ±.004	6.000	.225	.140
PS2474-104	5-21/32	6-1/2	.29	.322 ±.002	5.670 ±.004	6.500	.290	.195
PS2474-112	6-5/32	7	.29	.322 ±.002	6.170 ±.004	7.000	.290	.195
PS2474-120	6-21/32	7-1/2	.29	.322 ±.002	6.670 ±.004	7.500	.290	.195
PS2474-128	7-5/32	8	.29	.322 ±.002	7.170 ±.004	8.000	.290	.195
PS2474-152	8-21/32	9-1/2	.29	.322 ±.002	8.670 ±.004	9.500	.290	.195
PS2474-160	9-5/32	10	.29	.322 ±.002	9.170 ±.004	10.000	.290	.195

STYLE PS914 NYLON STEP CUT PISTON SEALS

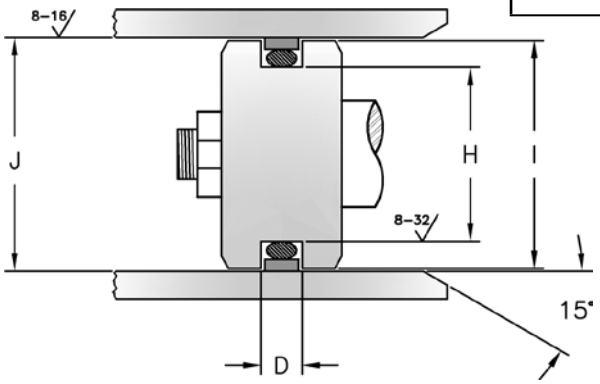
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PS 914 - 2000 - 282

Piston Seal | Type of Seal | Size | Groove Width



SEAL INFORMATION	
MATERIAL	GLASS FILLED NYLON SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220°
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	3 FT/SEC

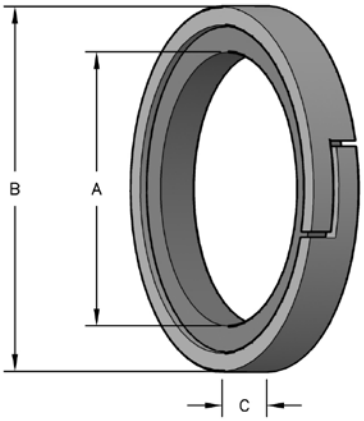
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
PS914-2000-282	1.462	2	9/32	.282 +.005 +.000	1.462 +.000 -.005	1.999 +.000 -.065	2.000 +.005 +.000	.274
PS914-2250-282	1.712	2-1/4	9/32	.282 +.005 +.000	1.712 +.000 -.005	2.249 +.000 -.065	2.250 +.005 +.000	.274
PS914-2500-312	1.908	2-1/2	5/16	.312 +.005 +.000	1.908 +.000 -.005	2.499 +.000 -.065	2.500 +.005 +.000	.304
PS914-2500-282	1.962	2-1/2	9/32	.282 +.005 +.000	1.962 +.000 -.005	2.499 +.000 -.065	2.500 +.005 +.000	.274
PS914-2750-282	2.212	2-3/4	9/32	.282 +.005 +.000	2.212 +.000 -.005	2.749 +.000 -.065	2.750 +.005 +.000	.274
PS914-3000-312	2.408	3	5/16	.312 +.005 +.000	2.408 +.000 -.005	2.999 +.000 -.080	3.000 +.005 +.000	.304
PS914-3000-282	2.442	3	9/32	.282 +.005 +.000	2.442 +.000 -.005	2.999 +.000 -.080	3.000 +.005 +.000	.274
PS914-3500-312	2.908	3-1/2	5/16	.312 +.005 +.000	2.908 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000	.304
PS914-3500-282	2.942	3-1/2	9/32	.282 +.005 +.000	2.942 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000	.274
PS914-4000-312	3.408	4	5/16	.312 +.005 +.000	3.408 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000	.304
PS914-4000-282	3.442	4	9/32	.282 +.005 +.000	3.442 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000	.274
PS914-4250-282	3.692	4-1/4	9/32	.282 +.005 +.000	3.692 +.000 -.005	4.249 +.000 -.080	4.250 +.005 +.000	.274
PS914-4265-282	3.707	4.265	9/32	.282 +.005 +.000	3.707 +.000 -.005	4.264 +.000 -.080	4.265 +.005 +.000	.274
PS914-4500-312	3.908	4-1/2	5/16	.312 +.005 +.000	3.908 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000	.304
PS914-4500-282	3.942	4-1/2	9/32	.282 +.005 +.000	3.942 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000	.274

STYLE PS914 NYLON STEP CUT PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	C HEIGHT
PS914-4750-282	4.192	4-3/4	9/32	.282 +.005 +.000	4.192 +.000 -.005	4.749 +.000 -.080	4.750 +.005 +.000	.274
PS914-5000-375	4.24	5	3/8	.377 +.005 +.000	4.240 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000	.368
PS914-5000-282	4.442	5	9/32	.282 +.005 +.000	4.442 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000	.274
PS914-5250-375	4.49	5-1/4	3/8	.377 +.005 +.000	4.490 +.000 -.005	5.249 +.000 -.100	5.250 +.005 +.000	.368
PS914-5250-282	4.692	5-1/4	9/32	.282 +.005 +.000	4.692 +.000 -.005	5.249 +.000 -.080	5.250 +.005 +.000	.274
PS914-5500-375	4.74	5-1/2	3/8	.377 +.005 +.000	4.740 +.000 -.005	5.499 +.000 -.100	5.500 +.005 +.000	.368
PS914-6000-375	5.24	6	3/8	.377 +.005 +.000	5.240 +.000 -.005	5.999 +.000 -.100	6.000 +.005 +.000	.368
PS914-6500-375	5.74	6-1/2	3/8	.377 +.005 +.000	5.740 +.000 -.005	6.499 +.000 -.100	6.500 +.005 +.000	.368
PS914-7000-375	6.24	7	3/8	.377 +.005 +.000	6.240 +.000 -.005	6.999 +.000 -.100	7.000 +.005 +.000	.368
PS914-7500-375	6.74	7-1/2	3/8	.377 +.005 +.000	6.740 +.000 -.005	7.499 +.000 -.100	7.500 +.005 +.000	.368
PS914-8000-375	7.24	8	3/8	.377 +.005 +.000	7.240 +.000 -.005	7.999 +.000 -.100	8.000 +.005 +.000	.368
PS914-8500-375	7.74	8-1/2	3/8	.377 +.005 +.000	7.740 +.000 -.005	8.499 +.000 -.100	8.500 +.005 +.000	.368
PS914-9000-375	8.124	9	3/8	.377 +.005 +.000	8.124 +.000 -.005	8.999 +.000 -.100	9.000 +.005 +.000	.368
PS914-9500-375	8.624	9-1/2	3/8	.377 +.005 +.000	8.624 +.000 -.005	9.499 +.000 -.100	9.500 +.005 +.000	.368
PS914-10000-375	9.124	10	3/8	.377 +.005 +.000	9.124 +.000 -.005	9.999 +.000 -.100	10.000 +.005 +.000	.368
PS914-12000-375	11.124	12	3/8	.377 +.005 +.000	11.124 +.000 -.005	11.999 +.000 -.100	12.000 +.005 +.000	.368

STYLE PS2000 NYLON STEP CUT PISTON SEALS

Some PS2000 piston seals utilize a round instead of a square energizer. Also, piston diameter "I" dimensions are given for pistons without wear rings. Many sizes shown are completely interchangeable with style PS914 piston seals.

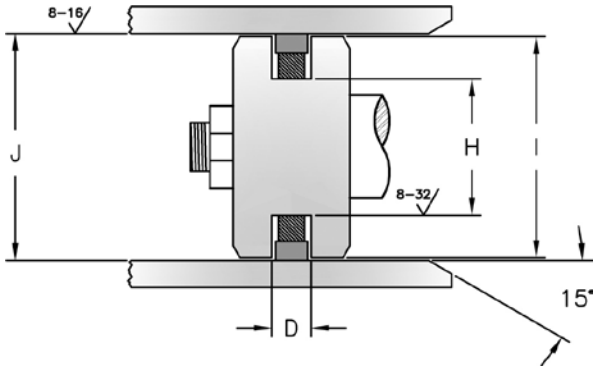


PART NUMBERS

PS 2027 - 28

Piston Seal — Type of Seal — Size

SEAL INFORMATION	
MATERIAL	GLASS FILLED NYLON SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220°
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



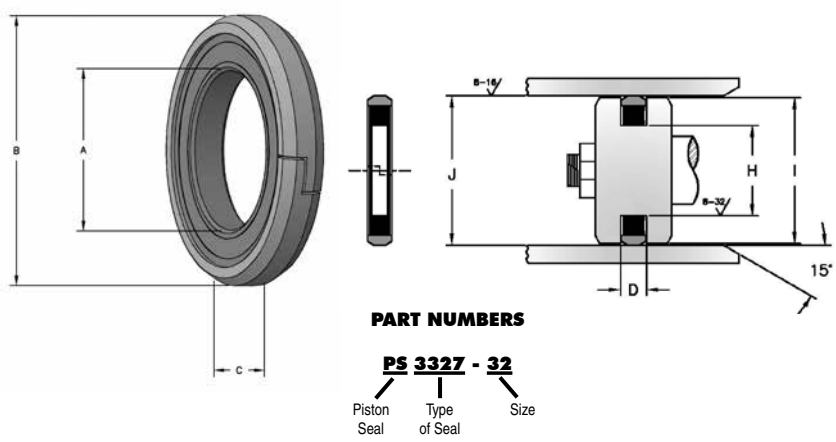
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PS2027-28	1.155	1-3/4	.274	.282 +.005 +.000	1.155 +.000 -.005	1.749 +.000 -.052	1.750 +.005 +.000
PS2027-32	1.462	2	.274	.282 +.005 +.000	1.462 +.000 -.005	1.999 +.000 -.065	2.000 +.005 +.000
PS2027-36	1.712	2-1/4	.274	.282 +.005 +.000	1.712 +.000 -.005	2.249 +.000 -.065	2.250 +.005 +.000
PS2027-40	1.962	2-1/2	.274	.282 +.005 +.000	1.962 +.000 -.005	2.499 +.000 -.065	2.500 +.005 +.000
PS2031-48	2.408	3	.305	.312 +.005 +.000	2.408 +.000 -.005	2.999 +.000 -.080	3.000 +.005 +.000
PS2027-48	2.462	3.04	.274	.282 +.005 +.000	2.462 +.000 -.005	3.039 +.000 -.080	3.040 +.005 +.000
PS2027-52	2.712	3-1/4	.274	.282 +.005 +.000	2.712 +.000 -.005	3.249 +.000 -.080	3.250 +.005 +.000
PS2037-56	2.74	3-1/2	.368	.375 +.005 +.000	2.740 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000
PS2031-56	2.908	3-1/2	.305	.312 +.005 +.000	2.908 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000
PS2027-56	2.942	3-1/2	.274	.282 +.005 +.000	2.942 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000
PS2031-64	3.408	4	.305	.312 +.005 +.000	3.408 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000
PS2027-64	3.462	4	.274	.282 +.005 +.000	3.462 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000
PS2031-72	3.908	4-1/2	.305	.312 +.005 +.000	3.908 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000
PS2027-72	3.962	4-1/2	.274	.282 +.005 +.000	3.962 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000
PS2037-80	4.24	5	.368	.375 +.005 +.000	4.240 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000

STYLE PS2000 NYLON STEP CUT PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PS2031-80	4.408	5	.305	.312 +.005 +.000	4.408 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000
PS2037-88	4.74	5-1/2	.368	.375 +.005 +.000	4.740 +.000 -.005	5.499 +.000 -.100	5.500 +.005 +.000
PS2031-88	4.908	5-1/2	.305	.312 +.005 +.000	4.908 +.000 -.005	5.499 +.000 -.100	5.500 +.005 +.000
PS2037-96	5.24	6	.368	.375 +.005 +.000	5.240 +.000 -.005	5.999 +.000 -.100	6.000 +.005 +.000
PS2037-100	5.49	6-1/4	.368	.375 +.005 +.000	5.490 +.000 -.005	6.249 +.000 -.100	6.250 +.005 +.000
PS2037-104	5.74	6-1/2	.368	.375 +.005 +.000	5.740 +.000 -.005	6.499 +.000 -.100	6.500 +.005 +.000
PS2037-112	6.24	7	.368	.375 +.005 +.000	6.240 +.000 -.005	6.999 +.000 -.100	7.000 +.005 +.000

STYLE PS3300 NYLON STEP CUT PISTON SEALS

This two piece piston seal design comes made with a new high grade fiberglass filled polyamide step-cut ring along with a rectangular shore A 70 NBR energizer. This product offers extreme strength and resistance to extrusion, a very high resistance to abrasion, and ease of installation thanks to the step cut design and chamfered edges. It also offers greater resistance to surface roughness in comparison to any elastomer seals. The rectangular contact pressure points produce consistently high pre-loading forces and high protection from twisting within the housing. ISO 7425-1 compliant.



PART NUMBERS

PS 3327 - 32

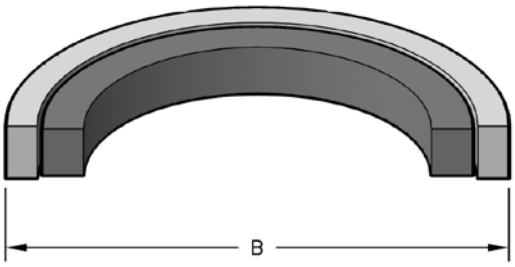
Piston Seal | Type of Seal | Size

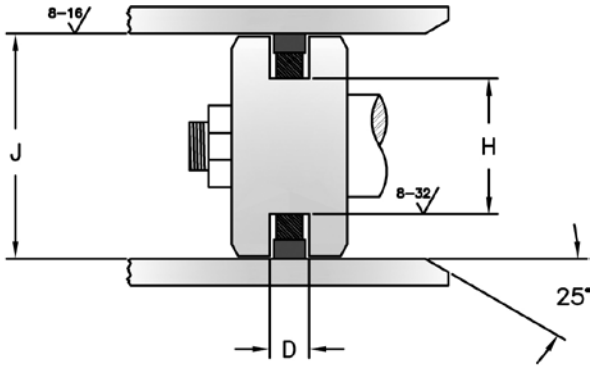
SEAL INFORMATION	
MATERIAL	GLASS FILLED NYLON W/RUBBER ENERGIZER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 8,700 PSI
SPEED 3 FT/SEC	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PS3327-32	1.462	2	.274	.282 +.005 +.000	1.462 +.000 -.005	1.999 +.000 -.065	2.000 +.005 +.000
PS3327-40	1.962	2-1/2	.274	.282 +.005 +.000	1.962 +.000 -.005	2.499 +.000 -.065	2.500 +.005 +.000
PS3331-48	2.408	3	.305	.312 +.005 +.000	2.408 +.000 -.005	2.999 +.000 -.080	3.000 +.005 +.000
PS3327-48	2.442	3	.274	.282 +.005 +.000	2.442 +.000 -.005	2.999 +.000 -.080	3.000 +.005 +.000
PS3331-56	2.908	3-1/2	.305	.312 +.005 +.000	2.908 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000
PS3327-56	2.942	3-1/2	.274	.282 +.005 +.000	2.942 +.000 -.005	3.499 +.000 -.080	3.500 +.005 +.000
PS3331-64	3.408	4	.305	.312 +.005 +.000	3.408 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000
PS3327-64	3.442	4	.274	.282 +.005 +.000	3.442 +.000 -.005	3.999 +.000 -.080	4.000 +.005 +.000
PS3331-72	3.908	4-1/2	.305	.312 +.005 +.000	3.908 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000
PS3327-72	3.942	4-1/2	.274	.282 +.005 +.000	3.942 +.000 -.005	4.499 +.000 -.080	4.500 +.005 +.000
PS3337-80	4.226	5	.368	.375 +.005 +.000	4.226 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000
PS3327-80	4.442	5	.274	.282 +.005 +.000	4.442 +.000 -.005	4.999 +.000 -.080	5.000 +.005 +.000
PS3337-88	4.74	5-1/2	.368	.375 +.005 +.000	4.740 +.000 -.005	5.499 +.000 -.100	5.500 +.005 +.000
PS3337-96	5.24	6	.368	.375 +.005 +.000	5.240 +.000 -.005	5.999 +.000 -.100	6.000 +.005 +.000
PS3337-104	5.74	6-1/2	.368	.375 +.005 +.000	5.740 +.000 -.005	6.499 +.000 -.100	6.500 +.005 +.000
PS3337-112	6.24	7	.368	.375 +.005 +.000	6.240 +.000 -.005	6.999 +.000 -.100	7.000 +.005 +.000
PS3337-120	6.74	7-1/2	.368	.375 +.005 +.000	6.740 +.000 -.005	7.499 +.000 -.100	7.500 +.005 +.000
PS3337-128	7.24	8	.368	.375 +.005 +.000	7.240 +.000 -.005	7.999 +.000 -.100	8.000 +.005 +.000

CATERPILLAR® 2 PIECE PISTON SEALS

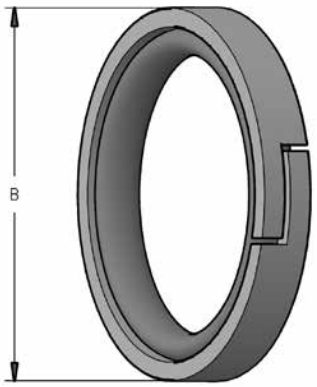
NOTE: Caterpillar® part numbers are used as a reference only. We do not imply that these parts are original equipment parts.

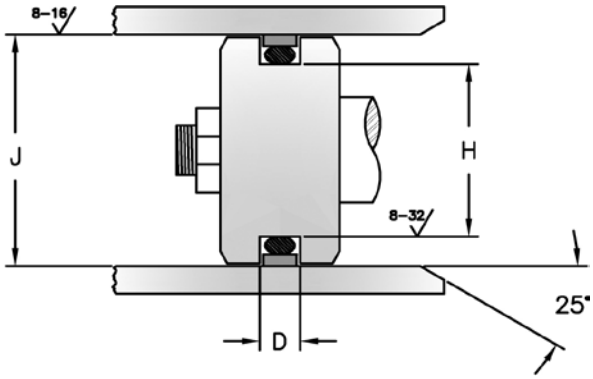




Part Number	B Nom. OD	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-5J7004A	2	.192 ±.004	1.625 ±.003	2.000
CTC-8J6213A	2-1/2	.192 ±.004	2.125 ±.003	2.500
CTC-5J7010A	2-3/4	.192 ±.004	2.375 ±.003	2.750
CTC-6J1972A	3	.192 ±.004	2.460 ±.003	3.000
CTC-6J0793A	3-1/4	.192 ±.004	2.710 ±.003	3.250
CTC-5J7013	3-1/2	.192 ±.004	2.960 ±.003	3.500
CTC-5J7013A	3-1/2	.192 ±.004	2.960 ±.003	3.500
CTC-5J8011A	3-3/4	.192 ±.004	3.210 ±.003	3.750
CTC-5J5402A	4	.252 ±.004	3.335 ±.003	4.000
CTC-5J7854A	4-1/4	.252 ±.004	3.585 ±.003	4.250
CTC-5J4986A	4-1/2	.252 ±.004	3.835 ±.003	4.500
CTC-5J4987A	4-3/4	.252 ±.004	4.085 ±.003	4.750
CTC-5J5020A	5	.379 ±.004	4.225 ±.003	5.000
CTC-5J7234	5-1/4	.379 ±.004	4.475 ±.003	5.250
CTC-5J7234A	5-1/4	.379 ±.004	4.475 ±.003	5.250
CTC-5J4988	5-1/2	.379 ±.004	4.725 ±.003	5.500
CTC-5J4988A	5-1/2	.379 ±.004	4.725 ±.003	5.500
CTC-9J4981	5-3/4	.379 ±.004	4.975 ±.003	5.750
CTC-5J4989A	6	.379 ±.004	5.095 ±.003	6.000
CTC-5J4990A	6-1/4	.379 ±.004	5.345 ±.003	6.250
CTC-5J4991A	6-1/2	.379 ±.004	5.595 ±.003	6.500
CTC-5J4997A	7	.379 ±.004	6.095 ±.003	7.000
CTC-5J4993A	7-1/4	.379 ±.004	6.345 ±.003	7.250
CTC-9J7117	7-1/2	.379 ±.002	6.595 ±.003	7.500
CTC-5J5559	8-1/4	.379 ±.004	7.255 ±.003	8.250
CTC-5J5559A	8-1/4	.379 ±.004	7.255 ±.003	8.250
CTC-6J9385	8-1/2	.379 ±.004	7.505 ±.003	8.500
CTC-6J9385A	8-1/2	.379 ±.004	7.505 ±.003	8.500
CTC-5J7019A	9-1/4	.379 ±.004	8.255 ±.003	9.250

CATERPILLAR® 2 PIECE STEP-CUT PISTON SEALS



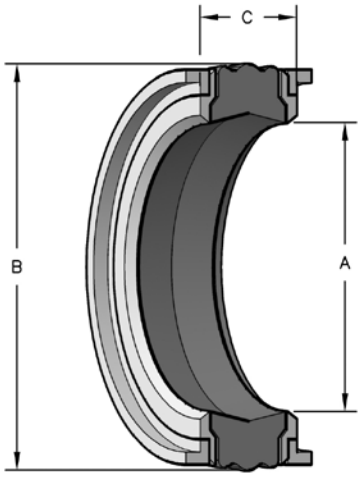


Part Number	B Nom. OD	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-1665295	2-3/4	.192 ±.004	2.375 ±.003	2.750
CTC-9X7337	3	.192 ±.004	2.460 ±.003	3.000
CTC-4T8054	3-1/2	.192 ±.004	2.960 ±.003	3.500
CTC-2613644	3-3/4	.192 ±.004	3.210 ±.003	3.750
CTC-9X7274	3-3/4	.192 ±.004	3.210 ±.003	3.750
CTC-8C9160	4	.252 ±.004	3.335 ±.003	4.000
CTC-8C9164	4-1/4	.252 ±.004	3.585 ±.003	4.250
CTC-4T5172	4-1/2	.502 ±.004	3.835 ±.003	4.500
CTC-9X7269	4-1/2	.252 ±.004	3.835 ±.003	4.500
CTC-4T8588	4-3/4	.252 ±.004	4.090 ±.003	4.750
CTC-8T1787	5	.629 ±.004	4.225 ±.003	5.000
CTC-9X7264	5	.379 ±.004	4.225 ±.003	5.000
CTC-8T0763	5-1/4	.379 ±.004	4.475 ±.003	5.250
CTC-1546744	5-3/8	.379 ±.004	4.600 ±.003	5.375
CTC-4T5173	5-1/2	.629 ±.004	4.725 ±.003	5.500
CTC-6E0465	5-1/2	.379 ±.004	4.725 ±.003	5.500
CTC-2462896	5-3/4	.379 ±.004	4.975 ±.003	5.750
CTC-1921441	6	.629 ±.004	5.095 ±.003	6.000
CTC-4T4144	6	.629 ±.004	5.095 ±.003	6.000
CTC-8T1788	6-1/4	.629 ±.002	5.345 ±.003	6.250
CTC-4T8695	6-1/2	.629 ±.004	5.595 ±.003	6.500
CTC-8T1789	7	.629 ±.004	6.095 ±.003	7.000
CTC-8T1790	7-1/4	.629 ±.004	6.345 ±.003	7.250
CTC-1921439	7-1/2	.625 ±.004	6.595 ±.003	7.500
CTC-8T1791	7-1/2	.625 ±.004	6.595 ±.003	7.500
CTC-9X7459	7-1/2	.625 ±.004	6.595 ±.003	7.500
CTC-8T1792	7-3/4	.629 ±.004	6.845 ±.003	7.750
CTC-8T1793	8-1/4	.629 ±.004	7.255 ±.003	8.250
CTC-9T0119	8-1/2	.629 ±.004	7.505 ±.003	8.500
CTC-1921435	9-1/4	.379 ±.002	8.255 ±.003	9.250
CTC-4T4143	9-1/4	.379 ±.002	8.255 ±.003	9.250
CTC-1723542	10	.690 ±.004	8.880 ±.003	10.000
CTC-8T1794	10	.690 ±.004	8.880 ±.003	10.000
CTC-8T1796	10-1/2	.690 ±.004	9.380 ±.003	10.500

Part Number	B Nom. OD	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-8T1797	11-1/2	.690 ±.004	10.380 ±.003	11.500
CTC-1921453	12-1/2	.690 ±.004	11.380 ±.003	12.500

STYLE PSA PISTON SEALS

Designed to fit on one or two piece pistons, this piston seal employs a nitrile seal for high sealability, nylon split back-ups for extrusion resistance, and two split bearing rings. No further support bearings are required.

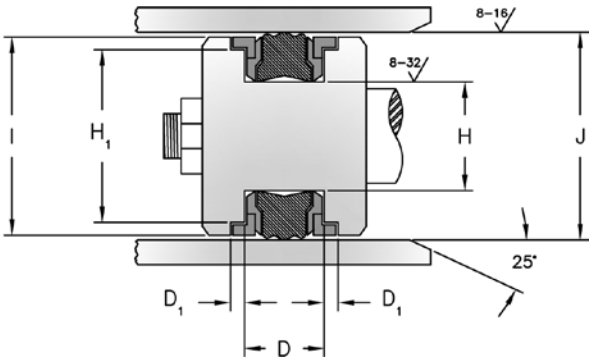


PART NUMBERS

PSA - 1750

Prefix Size

SEAL INFORMATION	
MATERIAL	90A NITRILE SEAL NYLON BACK-UP NYLON BEARING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 Ft/Sec.



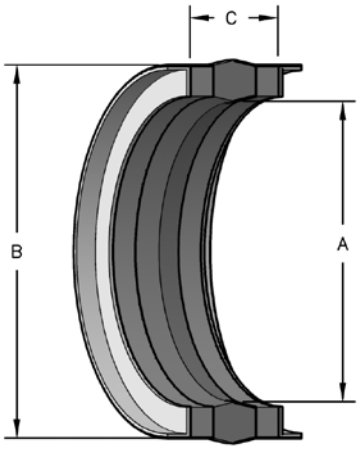
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-1750	1-1/8	1-3/4	3/4	.750 +.035 +.025	.250 +.005 +.000	1.125 ±.003	1.569 +.000 -.002	1.698 ±.003	1.750 +.0024 +.0000
PSA-2000	1-3/8	2	3/4	.750 +.035 +.025	.250 +.005 +.000	1.375 ±.003	1.820 +.000 -.002	1.948 ±.004	2.000 +.0029 +.0000
PSA-2250	1-5/8	2-1/4	3/4	.750 +.035 +.025	.250 +.005 +.000	1.625 ±.003	2.069 +.000 -.003	2.197 ±.004	2.250 +.0029 +.0000
PSA-2375	1-3/4	2-3/8	3/4	.750 +.035 +.025	.250 +.005 +.000	1.750 ±.003	2.194 +.000 -.003	2.322 ±.004	2.375 +.0029 +.0000
PSA-2500	1-7/8	2-1/2	3/4	.750 +.035 +.025	.250 +.005 +.000	1.875 ±.003	2.318 +.000 -.003	2.446 ±.004	2.500 +.0029 +.0000
PSA-2750	2	2-3/4	.943	.943 +.035 +.025	.250 +.005 +.000	2.000 ±.004	2.522 +.000 -.003	2.685 ±.004	2.750 +.0029 +.0000
PSA-3000	2-1/4	3	.943	.943 +.035 +.025	.250 +.005 +.000	2.250 ±.004	2.771 +.000 -.003	2.935 ±.004	3.000 +.0029 +.0000
PSA-3250	2-1/2	3-1/4	.943	.943 +.035 +.025	.250 +.005 +.000	2.500 ±.004	3.021 +.000 -.003	3.184 ±.004	3.250 +.0034 +.0000
PSA-3250A	2-5/8	3-1/4	.772	.772 +.035 +.025	.245 +.005 +.000	2.625 ±.004	3.021 +.000 -.003	3.184 ±.004	3.250 +.0034 +.0000
PSA-3500	2-3/4	3-1/2	.943	.943 +.035 +.025	.250 +.005 +.000	2.750 ±.004	3.270 +.000 -.003	3.434 ±.004	3.500 +.0034 +.0000
PSA-3500A	2.85	3-1/2	.772	.772 +.035 +.025	.295 +.005 +.000	2.850 ±.004	3.272 +.000 -.003	3.460 ±.004	3.500 +.0034 +.0000
PSA-3750	3	3-3/4	.943	.943 +.035 +.025	.250 +.005 +.000	3.000 ±.004	3.520 +.000 -.003	3.683 ±.004	3.750 +.0034 +.0000

STYLE PSA PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-4000	3-1/4	4	.943	.943 +.035 +.025	.250 +.005 +.000	3.250 ±.004	3.770 +.000 -.003	3.933 ±.004	4.000 +.0034 +.0000
PSA-4000A	3-1/4	4	1-3/8	1.375 +.035 +.025	.375 +.005 +.000	3.250 ±.004	3.709 +.000 -.003	3.933 ±.004	4.000 +.0034 +.0000
PSA-4000B	3-3/8	4	.772	.772 +.035 +.025	.245 +.005 +.000	3.375 ±.004	3.772 +.000 -.003	3.960 ±.004	4.000 +.0034 +.0000
PSA-4500	3-1/2	4-1/2	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	3.500 ±.004	4.229 +.000 -.003	4.422 ±.005	4.500 +.0034 +.0000
PSA-4500A	3-1/2	4-1/2	1-3/4	1.750 +.035 +.025	.500 +.005 +.000	3.500 ±.004	4.180 +.000 -.003	4.400 ±.004	4.500 +.0034 +.0000
PSA-5000	4	5	1-1/4	1.250 +.035 +.025	.400 +.005 +.000	4.000 ±.004	4.709 +.000 -.004	4.902 ±.005	5.000 +.0039 +.0000
PSA-5000A	4-1/4	5	.96	.960 +.035 +.025	.245 +.005 +.000	4.250 ±.004	4.772 +.000 -.004	4.960 ±.005	5.000 +.0039 +.0000
PSA-6000	5	6	1-1/4	1.250 +.035 +.025	.375 +.005 +.000	5.000 ±.004	5.709 +.000 -.004	5.902 ±.005	6.000 +.0039 +.0000
PSA-6000A	5	6	1-3/4	1.750 +.035 +.025	.500 +.005 +.000	5.000 ±.004	5.675 +.000 -.004	5.900 ±.005	6.000 +.0039 +.0000

STYLE PSA-58 PISTON SEALS

Style PSA-58 piston seals combine a heavy duty, fabric reinforced seal with two polyacetal "L" bearings. This construction allows the seal to withstand pressures up to 5,000 PSI. "L" bearings also react to pressure to prevent extrusion and support the piston. For 2-piece pistons.

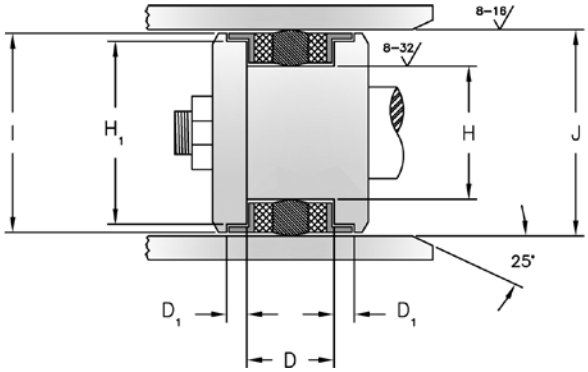


PART NUMBERS

PSA - 58 - 1000

Prefix — Type of Seal — Size

SEAL INFORMATION	
MATERIAL	FABRIC REINFORCED NITRILE SEAL POLYACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 Ft/Sec.



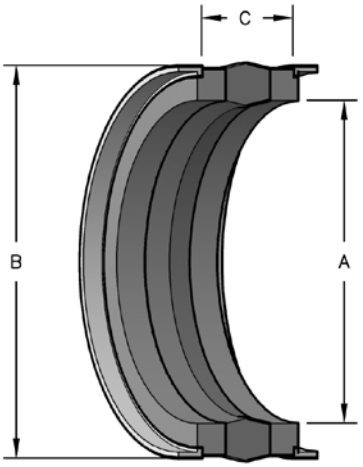
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-58-1000	5/8	1	19/32	.596 +.035 +.025	.182 +.005 +.000	.625 ±.0022	.865 ±.002	.968	1.000 +.0051 +.0000
PSA-58-1250	3/4	1-1/4	3/4	.750 +.035 +.025	.250 +.000 -.005	.750 ±.0026	1.115 ±.002	1.218	1.250 +.0063 +.0000
PSA-58-1375	7/8	1-3/8	3/4	.750 +.035 +.025	.250 +.000 -.005	.875 ±.0026	1.241 ±.002	1.343	1.375 +.0063 +.0000
PSA-58-1500	1	1-1/2	3/4	.750 +.035 +.025	.250 +.000 -.005	1.000 ±.0026	1.365 ±.002	1.468	1.500 +.0063 +.0000
PSA-58-1625	1	1-5/8	15/16	.937 +.035 +.025	.250 +.000 -.005	1.000 ±.0026	1.428 ±.002	1.562	1.625 +.0063 +.0000
PSA-58-1750	1-1/8	1-3/4	15/16	.937 +.035 +.025	.250 +.000 -.005	1.125 ±.0026	1.552 ±.002	1.687	1.750 +.0063 +.0000
PSA-58-1875	1-1/4	1-7/8	15/16	.937 +.035 +.025	.250 +.000 -.005	1.250 ±.0031	1.679 ±.002	1.835	1.875 +.0063 +.0000
PSA-58-2000B	1-3/8	2	3/4	.750 +.035 +.025	.250 +.005 +.000	1.375 ±.0031	1.802 ±.002	1.937	2.000 +.0075 +.0000
PSA-58-2000	1-3/8	2	15/16	.937 +.035 +.025	.250 +.000 -.005	1.375 ±.0031	1.802 ±.002	1.937	2.000 +.0075 +.0000
PSA-58-2250	1-5/8	2-1/4	15/16	.937 +.035 +.025	.250 +.000 -.005	1.625 ±.0031	2.052 ±.002	2.187	2.250 +.0075 +.0000
PSA-58-2375	1-3/4	2-3/8	15/16	.937 +.035 +.025	.250 +.000 -.005	1.750 ±.0031	2.177 ±.002	2.317	2.375 +.0075 +.0000
PSA-58-2500	1-7/8	2-1/2	15/16	.937 +.035 +.025	.250 +.000 -.005	1.875 ±.0031	2.305 ±.002	2.437	2.500 +.0075 +.0000

STYLE PSA-58 PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-58-2625	2	2-5/8	15/16	.937 +.035 +.025	.250 +.000 -.005	2.000 ±.0037	2.428 ±.002	2.562	2.625 +.0075 +.0000
PSA-58-2750	2	2-3/4	1-3/16	1.187 +.035 +.025	.250 +.000 -.005	2.000 ±.0037	2.480 ±.002	2.685	2.750 +.0075 +.0000
PSA-58-3000B	2-1/4	3	27/32	.843 +.035 +.025	.250 +.000 -.005	2.250 ±.0037	2.732 ±.002	2.938	3.000 +.0075 +.0000
PSA-58-3000A	2-1/4	3	15/16	.937 +.035 +.025	.250 +.000 -.005	2.250 ±.0037	2.772 ±.002	2.938	3.000 +.0075 +.0000
PSA-58-3000	2-1/4	3	1-3/16	1.187 +.035 +.025	.250 +.005 +.000	2.250 ±.0037	2.735 ±.002	2.937	3.000 +.0075 +.0000
PSA-58-3250	2-1/2	3-1/4	1-3/16	1.187 +.035 +.025	.250 +.005 +.000	2.500 ±.0037	2.985 ±.002	3.187	3.250 +.0087 +.0000
PSA-58-3500	2-3/4	3-1/2	1-3/16	1.187 +.035 +.025	.250 +.005 +.000	2.750 ±.0037	3.235 ±.002	3.437	3.500 +.0087 +.0000
PSA-58-3750	3	3-3/4	1-3/16	1.187 +.035 +.025	.250 +.005 +.000	3.000 ±.0037	3.485 ±.002	3.687	3.750 +.0087 +.0000
PSA-58-4000	3-1/4	4	1-3/16	1.187 +.035 +.025	.250 +.000 -.005	3.250 ±.0043	3.732 ±.002	3.937	4.000 +.0087 +.0000
PSA-58-4250	3-1/2	4-1/4	1-3/16	1.187 +.035 +.025	.250 +.005 +.000	3.500 ±.0043	3.982 ±.002	4.187	4.250 +.0087 +.0000
PSA-58-4500	3-1/2	4-1/2	1-1/2	1.500 +.035 +.025	.375 +.000 -.005	3.500 ±.0043	4.232 ±.002	4.437	4.500 +.0087 +.0000
PSA-58-4750	3-3/4	4-3/4	1-1/2	1.500 +.035 +.025	.375 +.000 -.005	3.750 ±.0043	4.478 ±.002	4.671	4.750 +.0098 +.0000
PSA-58-5000	4	5	1-1/2	1.500 +.035 +.025	.375 +.005 +.000	4.000 ±.0043	4.735 ±.002	4.937	5.000 +.0098 +.0000
PSA-58-5250	4-1/4	5-1/4	1-1/2	1.500 +.035 +.025	.375 +.000 -.005	4.250 ±.0043	4.982 ±.002	5.187	5.250 +.0098 +.0000
PSA-58-5500	4-1/2	5-1/2	1-1/2	1.500 +.035 +.025	.375 +.005 +.000	4.500 ±.0043	5.236 ±.002	5.437	5.500 +.0098 +.0000
PSA-58-5750	4-3/4	5-3/4	1-1/2	1.500 +.035 +.025	.375 +.000 -.005	4.750 ±.0049	5.484 ±.002	5.687	5.750 +.0098 +.0000
PSA-58-6000	5	6	1-1/2	1.500 +.035 +.025	.375 +.000 -.005	5.000 ±.0049	5.732 ±.002	5.937	6.000 +.0098 +.0000
PSA-58-6500	5-1/2	6-1/2	1-1/2	1.500 +.035 +.025	.375 +.005 +.000	5.500 ±.0049	6.236 ±.002	6.437	6.500 +.0098 +.0000
PSA-58-7000	6	7	1-1/2	1.500 +.035 +.025	.375 +.005 +.000	6.000 ±.0049	6.736 ±.002	6.937	7.000 +.0098 +.0000
PSA-58-8000	7	8	1-1/4	1.250 +.035 +.025	.375 +.000 -.005	7.000 ±.0049	7.740 ±.002	7.937	8.000 +.0114 +.0000
PSA-58-10000	9	10	1-1/4	1.250 +.035 +.025	.375 +.000 -.005	9.000 ±.0057	9.740 ±.002	9.937	10.000 +.0126 +.0000

STYLE PSA-59 PISTON SEALS

This style is designed for 2 piece piston. The seal is a molded Nitrile rubber element with bonded rubberized fabric reinforcement and two anti-extrusion polyacetal bearings.

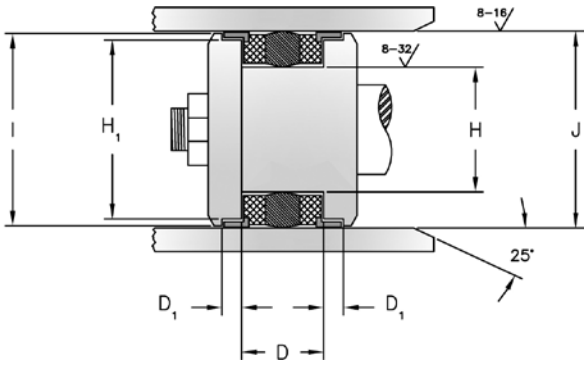


PART NUMBERS

PSA - 59 - 1000A

Prefix — Type of Seal — Size

SEAL INFORMATION	
MATERIAL	FABRIC REINFORCED NITRILE SEAL POLYACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 Ft/Sec.



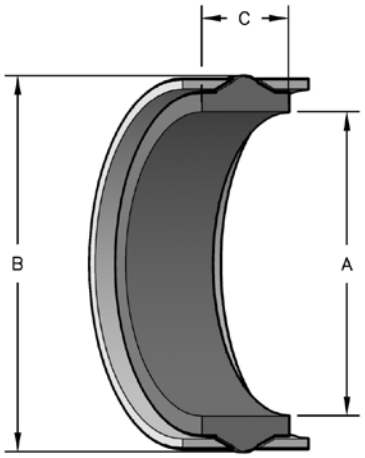
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-59-1000A	5/8	1	.468	.468 +.035 +.025	.250 +.005 +.000	.625 ±.003	.883 +.000 -.002	.964 ±.003	1.000 +.006 +.000
PSA-59-1500	1	1-1/2	5/8	.625 +.035 +.025	.250 +.005 +.000	1.000 ±.003	1.360 +.000 -.002	1.458 ±.003	1.500 +.006 +.000
PSA-59-1625	1-1/8	1-5/8	5/8	.625 +.035 +.025	.250 +.005 +.000	1.125 ±.003	1.485 +.000 -.002	1.583 ±.003	1.625 +.006 +.000
PSA-59-1750	1-1/8	1-3/4	3/4	.750 +.035 +.025	.250 +.005 +.000	1.125 ±.003	1.570 +.000 -.002	1.698 ±.003	1.750 +.006 +.000
PSA-59-2125	1-1/2	2-1/8	3/4	.750 +.035 +.025	.250 +.005 +.000	1.500 ±.003	1.944 +.000 -.003	2.074 ±.004	2.125 +.007 +.000
PSA-59-2250	1-5/8	2-1/4	3/4	.750 +.035 +.025	.250 +.005 +.000	1.625 ±.003	2.069 +.000 -.003	2.197 ±.004	2.250 +.007 +.000
PSA-59-2375	1-3/4	2-3/8	3/4	.750 +.035 +.025	.250 +.005 +.000	1.750 ±.003	2.194 +.000 -.003	2.322 ±.004	2.375 +.007 +.000
PSA-59-2500A	1-7/8	2-1/2	3/4	.750 +.035 +.025	.250 +.005 +.000	1.875 ±.003	2.321 +.000 -.003	2.437 ±.004	2.500 +.007 +.000
PSA-59-2750	2	2-3/4	3/4	.750 +.035 +.025	.250 +.005 +.000	2.000 ±.004	2.522 +.000 -.003	2.685 ±.004	2.750 +.007 +.000
PSA-59-2750A	2	2-3/4	.937	.937 +.035 +.025	.250 +.005 +.000	2.000 ±.004	2.522 +.000 -.003	2.685 ±.004	2.750 +.007 +.000
PSA-59-3000	2-1/4	3	.937	.937 +.035 +.025	.250 +.005 +.000	2.250 ±.004	2.772 +.000 -.003	2.935 ±.004	3.000 +.007 +.000
PSA-59-3000A	2-1/4	3	1-1/8	1.125 +.035 +.025	.250 +.005 +.000	2.250 ±.004	2.772 +.000 -.003	2.935 ±.004	3.000 +.007 +.000

STYLE PSA-59 PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-59-3250	2-1/2	3-1/4	.937	.937 +.035 +.025	.250 +.005 +.000	2.500 ±.004	3.021 +.000 -.003	3.184 ±.004	3.250 +.009 +.000
PSA-59-3500	2-3/4	3-1/2	.937	.937 +.035 +.025	.250 +.005 +.000	2.750 ±.004	3.271 +.000 -.003	3.434 ±.004	3.500 +.009 +.000
PSA-59-4000	3-1/4	4	.937	.937 +.035 +.025	.250 +.005 +.000	3.250 ±.004	3.770 +.000 -.003	3.933 ±.004	4.000 +.009 +.000
PSA-59-4500	3-1/2	4-1/2	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	3.500 ±.004	4.229 +.000 -.003	4.422 ±.005	4.500 +.009 +.000
PSA-59-5000	4	5	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	4.000 ±.004	4.728 +.000 -.004	4.921 ±.005	5.000 +.010 +.000
PSA-59-5500	4-1/2	5-1/2	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	4.500 ±.004	5.227 +.000 -.004	5.420 ±.005	5.500 +.010 +.000
PSA-59-6000	5	6	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	5.000 ±.005	5.726 +.000 -.004	5.919 ±.005	6.000 +.010 +.000
PSA-59-6500	5-1/2	6-1/2	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	5.500 ±.005	6.226 +.000 -.004	6.419 ±.005	6.500 +.010 +.000
PSA-59-7000	6	7	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	6.000 ±.005	6.724 +.000 -.004	6.917 ±.005	7.000 +.010 +.000
PSA-59-8000	7	8	1-1/4	1.250 +.035 +.025	.250 +.005 +.000	7.000 ±.005	7.723 +.000 -.005	7.915 ±.006	8.000 +.011 +.000

STYLE PSA-65 PISTON SEALS

Compact and easy to install, the Style PSA-65 piston seal is a simple and economical design for pressures up to 3,000 PSI. The assembly consists of a nitrile rubber seal and two polyacetal bearings to support the piston. For 1-piece pistons.

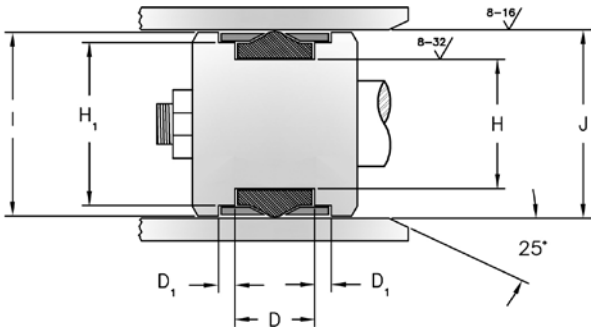


PART NUMBERS

PSA - 65 - 1000

Prefix — Type of Seal — Size

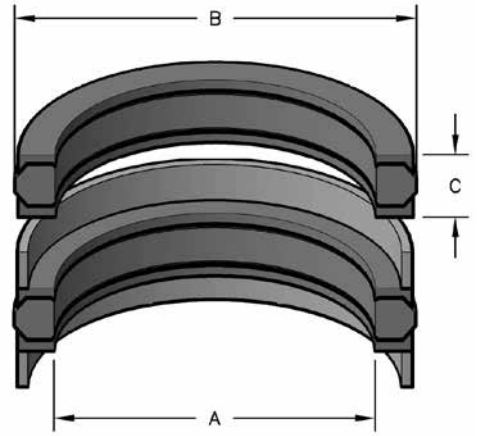
SEAL INFORMATION	
MATERIAL	NITRILE SEAL POLYACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	1.5 Ft/Sec.



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-65-1000	11/16	1	11/32	.343 +.015 +.005	.125 +.000 -.005	.687 +.000 -.002	.829 +.000 -.002	.937 +.000 -.006	1.000 +.004 +.000
PSA-65-1250	15/16	1-1/4	11/32	.343 +.015 +.005	.125 +.000 -.005	.937 +.000 -.002	1.079 +.000 -.002	1.187 +.000 -.006	1.250 +.004 +.000
PSA-65-1500	1-1/8	1-1/2	7/16	.437 +.015 +.005	.150 +.000 -.005	1.125 +.000 -.002	1.324 +.000 -.002	1.437 +.000 -.006	1.500 +.004 +.000
PSA-65-1750	1-3/8	1-3/4	7/16	.437 +.015 +.005	.150 +.000 -.005	1.375 +.000 -.002	1.574 +.000 -.002	1.687 +.000 -.006	1.750 +.004 +.000
PSA-65-2000	1-5/8	2	7/16	.437 +.015 +.005	.150 +.000 -.005	1.625 +.000 -.002	1.824 +.000 -.002	1.937 +.000 -.006	2.000 +.005 +.000
PSA-65-2250	1-7/8	2-1/4	7/16	.437 +.015 +.005	.150 +.000 -.005	1.875 +.000 -.002	2.075 +.000 -.003	2.187 +.000 -.006	2.250 +.005 +.000
PSA-65-2375	2	2-3/8	7/16	.437 +.015 +.005	.150 +.000 -.005	2.000 +.000 -.002	2.195 +.000 -.003	2.312 +.000 -.007	2.375 +.005 +.000
PSA-65-2500A	2	2-1/2	5/8	.625 +.015 +.005	.255 +.000 -.005	2.000 +.000 -.003	2.325 +.000 -.003	2.437 +.000 -.007	2.500 +.005 +.000
PSA-65-2500	2-1/8	2-1/2	7/16	.437 +.015 +.005	.150 +.000 -.005	2.125 +.000 -.003	2.325 +.000 -.003	2.437 +.000 -.007	2.500 +.005 +.000
PSA-65-2750	2-3/8	2-3/4	7/16	.437 +.015 +.005	.150 +.000 -.005	2.375 +.000 -.003	2.575 +.000 -.002	2.687 +.000 -.007	2.750 +.005 +.000
PSA-65-3000	2-5/8	3	7/16	.437 +.015 +.005	.150 +.000 -.005	2.625 +.000 -.003	2.825 +.000 -.003	2.937 +.000 -.007	3.000 +.005 +.000
PSA-65-3500	3	3-1/2	9/16	.562 +.015 +.005	.210 +.000 -.005	3.000 +.000 -.003	3.270 +.000 -.003	3.437 +.000 -.009	3.500 +.006 +.000

STYLE PSA-83 & PSA-83-W PISTON SEALS

This three piece piston seal, designed for one piece pistons, contains a nitrile rubber seal with two split plastic anti-extrusion rings. Under pressure, the seal exerts a wedging action on the anti-extrusion rings, reducing the clearance between the bore and the piston, minimizing extrusion. Sales part numbers ending in W include two wear rings.

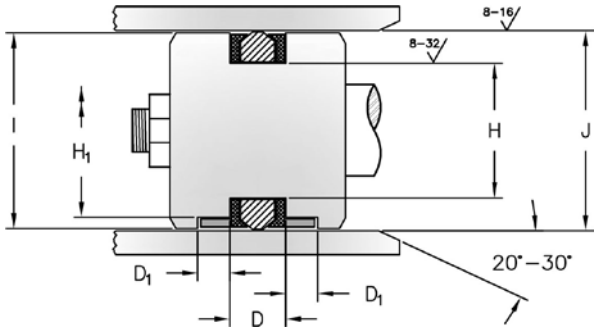


PART NUMBERS

PSA-83 - 1500

Prefix — Bore Diameter

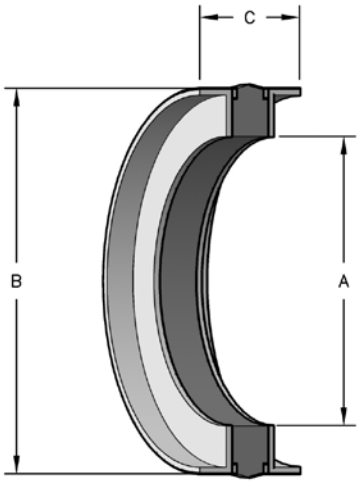
SEAL INFORMATION	
MATERIAL	NITRILE SEAL, POLYACETAL ANTI-EXTRUSION RINGS & BEARINGS (W SUFFIX)
TEMPERATURE RANGE	-22°F - +212°F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSA-83-1500	1-1/8	1-1/2	.452	.452 +.005 +.000	N/A	1.125 +.000 -.003	N/A		1.500 +.004 +.000
PSA-83-2000W	1-1/2	2	.587	.587 +.005 +.000	.250 +.004 +.000	1.500 +.000 -.004	1.821 -.001 -.003	1.950 ±.005	2.000 +.005 +.000
PSA-83-2500W	2	2-1/2	.587	.587 +.005 +.000	.250 +.004 +.000	2.000 +.000 -.005	2.321 -.001 -.004	2.450 ±.005	2.500 +.005 +.000
PSA-83-3000W	2-1/2	3	.587	.587 +.005 +.000	.250 +.004 +.000	2.500 +.000 -.005	2.774 -.001 -.004	2.940 ±.005	3.000 +.005 +.000
PSA-83-3250	2-3/4	3-1/4	.587	.587 +.005 +.000	N/A	2.750 +.000 -.005	N/A		3.250 +.006 +.000
PSA-83-3250W	2-3/4	3-1/4	.587	.587 +.005 +.000	.250 +.004 +.000	2.750 +.000 -.005	3.023 -.001 -.004	3.190 ±.005	3.250 +.006 +.000
PSA-83-3500W	3	3-1/2	.587	.587 +.005 +.000	.250 +.004 +.000	3.000 +.000 -.005	3.274 -.001 -.005	3.440 ±.005	3.500 +.006 +.000
PSA-83-4000	3-1/4	4	.78	.780 +.005 +.000	N/A	3.250 +.000 -.006	N/A		4.000 +.006 +.000
PSA-83-4000W	3-1/4	4	.78	.780 +.005 +.000	.250 +.004 +.000	3.250 +.000 -.005	3.773 -.001 -.005	3.940 ±.005	4.000 +.005 +.000
PSA-83-4500W	3-3/4	4-1/2	.78	.780 +.005 +.000	.250 +.004 +.000	3.750 +.000 -.006	4.232 -.001 -.005	4.440 ±.005	4.500 +.006 +.000
PSA-83-5000	4-1/4	5	.78	.780 +.005 +.000	N/A	4.250 +.000 -.006	N/A		5.000 +.006 +.000
PSA-83-5000W	4-1/4	5	.78	.780 +.005 +.000	.375 +.004 +.000	4.250 +.000 -.006	4.713 -.001 -.005	4.910 ±.005	5.000 +.006 +.000

STYLE PSF PISTON SEALS

Designed to fit on one or two piece pistons, this seal employs a nitrile seal element, PTFE split back-up rings and polyacetal split bearing rings.

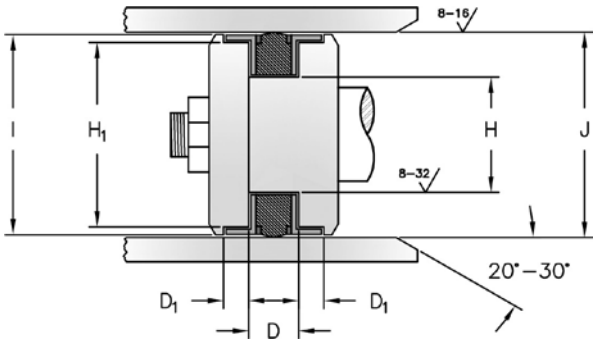


PART NUMBERS

PSF - 2000

Prefix — O-Ring Size

SEAL INFORMATION	
MATERIAL	NITRILE SEAL POLYACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC

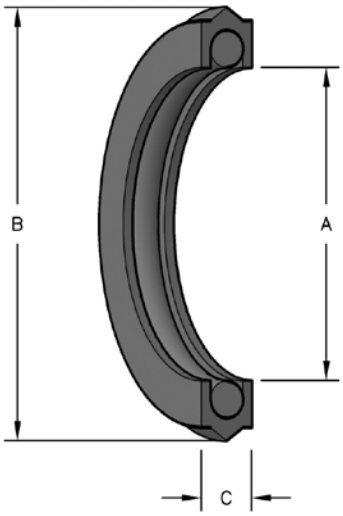


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSF-2000	1-5/8	2	.986	.496 +.015 +.005	.245 +.000 -.005	1.625 +.000 -.002	1.888 +.000 -.002	1.960 +.000 -.006	2.000
PSF-2500	2	2-1/2	1.14	.650 +.015 +.005	.245 +.000 -.005	2.000 +.000 -.003	2.320 +.000 -.003	2.460 +.000 -.007	2.500
PSF-2750	2-1/4	2-3/4	1.15	.650 +.015 +.005	.250 +.000 -.005	2.250 +.000 -.003	2.570 +.000 -.003	2.710 +.000 -.007	2.750
PSF-3000	2-3/8	3	1.265	.775 +.015 +.005	.245 +.000 -.005	2.375 +.000 -.003	2.772 +.000 -.003	2.960 +.000 -.007	3.000
PSF-4000	3-1/2	4	.982	.562 +.015 +.005	.210 +.000 -.005	3.500 +.000 -.003	3.770 +.000 -.003	3.937 +.000 -.009	4.000

STYLE PSC PISTON SEALS

The Style PSC is a double acting piston seal designed to replace o-rings, quad-rings, and T-seals with the same groove dimensions (O-ring dash number). Style 575 urethane back-up rings may be added to either or both sides of the "PSC" to accommodate wider groove widths. The PSC is made of 95A Durometer polyurethane, giving it high extrusion and abrasion resistance. The crowned sealing surface produces a positive seal from vacuum to high pressure.

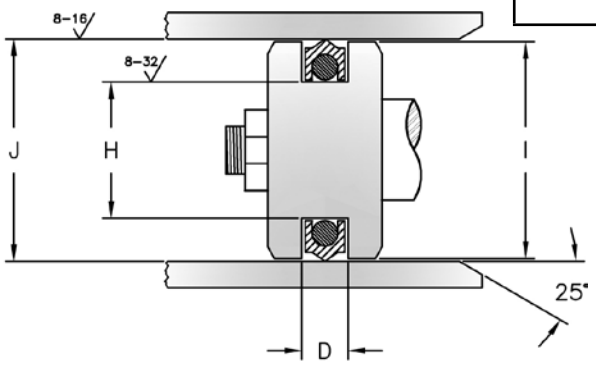
We also offer a wide base (WB) Style PSC piston seal. These wide base seals have the same characteristics of the standard PSC seals but offer a wider base, eliminating the need to use back-up rings to accommodate wider grooves. **NOTE:** Piston diameter "I" dimensions are given for piston without wear rings.



PART NUMBERS

PSC - 218 - WB

Prefix — O-Ring Size — Wide Base



SEAL INFORMATION	
MATERIAL	95A POLYURETHANE SEAL 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSC-203	5/16	9/16	.15	-203	.185 +.005 +.000	.315 +.000 -.002	.559 +.000 -.002	.562 ±.001
PSC-204	3/8	5/8	.15	-204	.185 +.005 +.000	.378 +.000 -.002	.622 +.000 -.002	.625 ±.001
PSC-205	7/16	11/16	.15	-205	.185 +.005 +.000	.440 +.000 -.002	.684 +.000 -.002	.687 ±.001
PSC-207	9/16	13/16	.15	-207	.185 +.005 +.000	.565 +.000 -.002	.809 +.000 -.002	.812 ±.001
PSC-208	5/8	7/8	.15	-208	.185 +.005 +.000	.628 +.000 -.002	.872 +.000 -.002	.875 ±.001
PSC-210	3/4	1	.15	-210	.185 +.005 +.000	.754 +.000 -.002	.998 +.000 -.002	1.000 +.002 +.000
PSC-211	13/16	1-1/16	.15	-211	.185 +.005 +.000	.816 +.000 -.002	1.060 +.000 -.002	1.062 +.002 +.000
PSC-212	7/8	1-1/8	.15	-212	.185 +.005 +.000	.879 +.000 -.002	1.123 +.000 -.002	1.125 +.002 +.000
PSC-213	15/16	1-3/16	.15	-213	.185 +.005 +.000	.941 +.000 -.002	1.185 +.000 -.002	1.187 +.002 +.000
PSC-214	1	1-1/4	.15	-214	.185 +.005 +.000	1.004 +.000 -.002	1.248 +.000 -.002	1.250 +.002 +.000
PSC-216	1-1/8	1-3/8	.15	-216	.185 +.005 +.000	1.129 +.000 -.002	1.373 +.000 -.002	1.375 +.002 +.000
PSC-218	1-1/4	1-1/2	.15	-218	.185 +.005 +.000	1.254 +.000 -.002	1.498 +.000 -.002	1.500 +.002 +.000

STYLE PSC PISTON SEALS

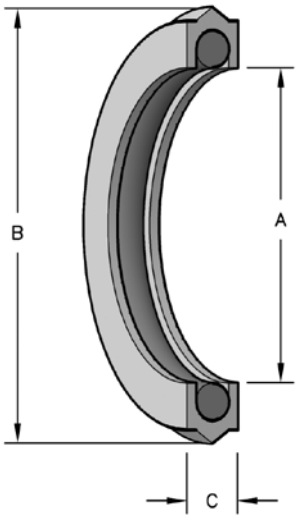
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSC-218-WB	1-1/4	1-1/2	.265	-218	.304 +.010 +.000	1.254 +.000 -.002	1.498 +.000 -.002	1.500 +.002 +.000
PSC-220	1-3/8	1-5/8	.15	-220	.185 +.005 +.000	1.379 +.000 -.002	1.623 +.000 -.002	1.625 +.002 +.000
PSC-222	1-1/2	1-3/4	.15	-222	.185 +.005 +.000	1.504 +.000 -.002	1.748 +.000 -.002	1.750 +.002 +.000
PSC-222-WB	1-1/2	1-3/4	.265	-222	.304 +.010 +.000	1.504 +.000 -.002	1.748 +.000 -.002	1.750 +.002 +.000
PSC-325	1-1/2	1-7/8	.255	-325	.280 +.005 +.000	1.500 +.000 -.002	1.873 +.000 -.002	1.875 +.002 +.000
PSC-326	1-5/8	2	.255	-326	.280 +.005 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
PSC-326-WB	1-5/8	2	3/8	-326	.424 +.010 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
PSC-328	1-7/8	2-1/4	.255	-328	.280 +.005 +.000	1.875 +.000 -.002	2.248 +.000 -.002	2.250 +.002 +.000
PSC-329	2	2-3/8	.255	-329	.280 +.005 +.000	2.000 +.000 -.002	2.373 +.000 -.002	2.375 +.002 +.000
PSC-330	2-1/8	2-1/2	.255	-330	.280 +.005 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
PSC-330-WB	2-1/8	2-1/2	3/8	-330	.424 +.010 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
PSC-332	2-3/8	2-3/4	.255	-332	.280 +.005 +.000	2.374 +.000 -.004	2.747 +.000 -.004	2.750 +.003 -.001
PSC-332-WB	2-3/8	2-3/4	3/8	-332	.424 +.010 +.000	2.374 +.000 -.004	2.747 +.000 -.004	2.750 +.003 -.001
PSC-334A-WB	2-1/2	3	3/8	N/A	.424 +.010 +.000	2.500 -.001 -.003	2.997 +.000 -.004	3.000 +.003 -.001
PSC-334	2-5/8	3	.255	-334	.280 +.005 +.000	2.625 -.001 -.003	2.997 +.000 -.004	3.000 +.003 -.001
PSC-334-WB	2-5/8	3	3/8	-334	.424 +.010 +.000	2.625 -.001 -.003	2.997 +.000 -.004	3.000 +.003 -.001
PSC-336	2-7/8	3-1/4	.255	-336	.280 +.005 +.000	2.875 -.001 -.005	3.247 +.000 -.004	3.250 +.003 -.001
PSC-337	3	3-3/8	.255	-337	.280 +.005 +.000	3.000 +.000 -.004	3.373 +.000 -.004	3.375 +.004 +.000
PSC-338	3-1/8	3-1/2	.255	-338	.280 +.005 +.000	3.125 +.000 -.004	3.498 +.000 -.004	3.500 +.004 +.000
PSC-338-WB	3-1/8	3-1/2	3/8	-338	.424 +.010 +.000	3.125 +.000 -.004	3.498 +.000 -.004	3.500 +.004 +.000
PSC-339	3-1/4	3-5/8	.255	-339	.280 +.005 +.000	3.250 +.000 -.004	3.623 +.000 -.004	3.625 +.004 +.000
PSC-340	3-3/8	3-3/4	.255	-340	.280 +.005 +.000	3.375 +.000 -.004	3.748 +.000 -.004	3.750 +.006 +.002
PSC-341	3-1/2	3-7/8	.255	-341	.280 +.005 +.000	3.500 +.000 -.004	3.873 +.000 -.004	3.875 +.004 +.000
PSC-342A-WB	3-1/2	4	3/8	N/A	.424 +.010 +.000	3.500 +.000 -.004	3.998 +.000 -.004	4.000 +.004 +.000
PSC-342	3-5/8	4	.255	-342	.280 +.005 +.000	3.625 +.000 -.004	3.998 +.000 -.004	4.000 +.004 +.000
PSC-342-WB	3-5/8	4	3/8	-342	.424 +.010 +.000	3.625 +.000 -.004	3.998 +.000 -.004	4.000 +.004 +.000
PSC-344	3-7/8	4-1/4	.255	-344	.280 +.005 +.000	3.875 +.000 -.004	4.248 +.000 -.004	4.250 +.004 +.000
PSC-346	4-1/8	4-1/2	.255	-346	.280 +.005 +.000	4.125 +.000 -.004	4.498 +.000 -.004	4.500 +.004 +.000
PSC-347	4-1/4	4-5/8	.255	-347	.280 +.005 +.000	4.250 +.000 -.004	4.623 +.000 -.004	4.625 +.004 +.000
PSC-350	4-5/8	5	.255	-350	.280 +.005 +.000	4.625 +.001 -.003	4.999 +.000 -.004	5.000 +.005 +.001
PSC-429	5	5-1/2	.32	-429	.365 +.006 +.000	5.021 +.000 -.004	5.499 +.000 -.004	5.500 +.005 +.001
PSC-433	5-1/2	6	.32	-433	.365 +.006 +.000	5.521 +.000 -.004	5.999 +.000 -.004	6.000 +.005 +.001
PSC-433-WB	5-1/2	6	1/2	-433	.579 +.010 +.000	5.521 +.000 -.004	5.999 +.000 -.004	6.000 +.005 +.001

STYLE PSC PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSC-437	6	6-1/2	.32	-437	.365 +.006 +.000	6.020 +.000 -.006	6.498 +.000 -.006	6.500 +.006 +.000
PSC-439	6-1/2	7	.32	-439	.365 +.006 +.000	6.520 +.000 -.006	6.998 +.000 -.006	7.000 +.006 +.000
PSC-441	7	7-1/2	.32	-441	.365 +.006 +.000	7.020 +.000 -.006	7.498 +.000 -.006	7.500 +.006 +.000
PSC-442	7-1/4	7-3/4	.32	-442	.365 +.006 +.000	7.270 +.000 -.006	7.748 +.000 -.006	7.750 +.006 +.000
PSC-443	7-1/2	8	.32	-443	.365 +.006 +.000	7.520 +.000 -.006	7.998 +.000 -.006	8.000 +.006 +.000
PSC-444	7-3/4	8-1/4	.32	-444	.365 +.006 +.000	7.770 +.000 -.006	8.248 +.000 -.006	8.250 +.006 +.000
PSC-445	8	8-1/2	.32	-445	.365 +.006 +.000	8.020 +.000 -.006	8.498 +.000 -.006	8.500 +.006 +.000
PSC-446	8-1/2	9	.32	-446	.365 +.006 +.000	8.520 +.000 -.006	8.998 +.000 -.006	9.000 +.006 +.000
PSC-447	9	9-1/2	.32	-447	.365 +.006 +.000	9.020 +.000 -.006	9.498 +.000 -.006	9.500 +.006 +.000
PSC-448	9-1/2	10	.32	-448	.365 +.006 +.000	9.520 +.000 -.006	9.998 +.000 -.006	10.000 +.006 +.000
PSC-449	10	10-1/2	.32	-449	.365 +.006 +.000	10.020 +.000 -.006	10.498 +.000 -.006	10.500 +.006 +.000
PSC-450	10-1/2	11	.32	-450	.365 +.006 +.000	10.520 +.000 -.006	10.998 +.000 -.006	11.000 +.006 +.000
PSC-451	11	11-1/2	.32	-451	.365 +.006 +.000	11.020 +.000 -.006	11.498 +.000 -.006	11.500 +.006 +.000
PSC-452	11-1/2	12	.32	-452	.365 +.006 +.000	11.520 +.000 -.006	11.998 +.000 -.006	12.000 +.006 +.000
PSC-456	13-1/2	14	.32	-456	.365 +.006 +.000	13.520 +.000 -.006	13.998 +.000 -.006	14.000 +.006 +.000

STYLE PSC PISTON SEALS - FLUOROTREL COMPOUND

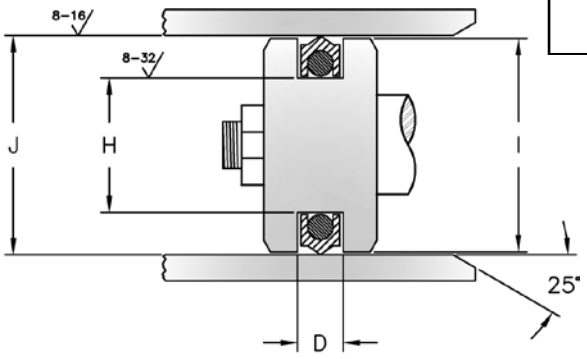
These Style PSC are molded from Fluorotrel which is a tough, wear-resistant material able to run at temperatures up to 275° F. Fluorotrel is also resistant to fluids that are incompatible with polyurethane such as water, glycol, water in oil, mineral oil and petroleum. Consult our Engineering Department for other fluids compatible with Fluorotrel.
NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PSC - 222 F

Prefix — O-Ring Size — Fluorotrel

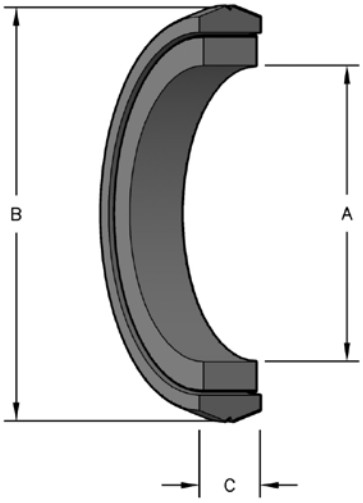


SEAL INFORMATION	
MATERIAL	55D FLUOROTREL SEAL 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +235° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSC-222F	1-1/2	1-3/4	.15	-222	.185 +.005 +.000	1.504 +.000 -.002	1.748 +.000 -.002	1.750 +.002 +.000
PSC-326F	1-5/8	2	.255	-326	.280 +.005 +.000	1.625 +.000 -.002	1.998 +.000 -.002	2.000 +.002 +.000
PSC-328F	1-7/8	2-1/4	.255	-328	.280 +.005 +.000	1.875 +.000 -.002	2.248 +.000 -.002	2.250 +.002 +.000
PSC-330F	2-1/8	2-1/2	.255	-330	.280 +.005 +.000	2.125 +.000 -.002	2.498 +.000 -.002	2.500 +.002 +.000
PSC-332F	2-3/8	2-3/4	.255	-332	.280 +.005 +.000	2.374 +.000 -.004	2.747 +.000 -.004	2.749 +.004 +.000
PSC-333F	2-1/2	2-7/8	.255	-333	.280 +.005 +.000	2.499 +.000 -.004	2.872 +.000 -.004	2.874 +.004 +.000
PSC-334F	2-5/8	3	.255	-334	.280 +.005 +.000	2.625 -.001 -.003	2.997 +.000 -.004	3.000 +.003 -.001
PSC-335F	2-3/4	3-1/8	.255	-335	.280 +.005 +.000	2.750 -.001 -.005	3.122 +.000 -.004	3.125 +.003 -.001
PSC-338F	3-1/8	3-1/2	.255	-338	.280 +.005 +.000	3.125 +.000 -.004	3.498 +.000 -.004	3.500 +.004 +.000
PSC-340F	3-3/8	3-3/4	.255	-340	.280 +.005 +.000	3.375 +.000 -.004	3.748 +.000 -.004	3.752 +.004 +.000
PSC-342F	3-5/8	4	.255	-342	.280 +.005 +.000	3.625 +.000 -.004	3.998 +.000 -.004	4.000 +.004 +.000
PSC-343F	3-3/4	4-1/8	.255	-343	.280 +.005 +.000	3.750 +.000 -.004	4.123 +.000 -.004	4.125 +.004 +.000
PSC-346F	4-1/8	4-1/2	.255	-346	.280 +.005 +.000	4.125 +.000 -.004	4.498 +.000 -.004	4.500 +.004 +.000
PSC-350F	4-5/8	5	.255	-350	.280 +.005 +.000	4.625 +.001 -.003	4.999 +.000 -.004	5.000 +.005 +.001
PSC-433F	5-1/2	6	.32	-433	.365 +.006 +.000	5.521 +.000 -.004	5.999 +.000 -.004	6.001 +.004 +.000

STYLE PSM URETHANE PISTON SEALS

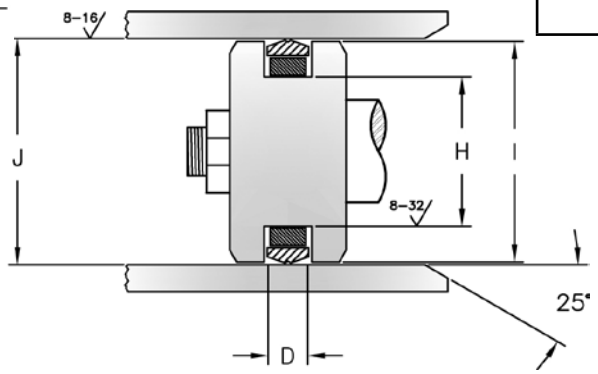
Molded from 93 Shore A polyurethane with a 70 Shore A energizer, this seal utilizes the same groove dimensions as a standard o-ring or T-seal. One or two Style 575 back-up rings may be used for wider grooves. Extrusion resistant by design, this seal is also resistant to rolling and twisting. Installation is an easy two step snap-in procedure with no need to re-size before insertion into the bore. **NOTE:** Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PSM - 218F

Prefix — Size



F = Fluorotrel

WB = Wide Base

SEAL INFORMATION	
MATERIAL	93A URETHANE SEAL 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

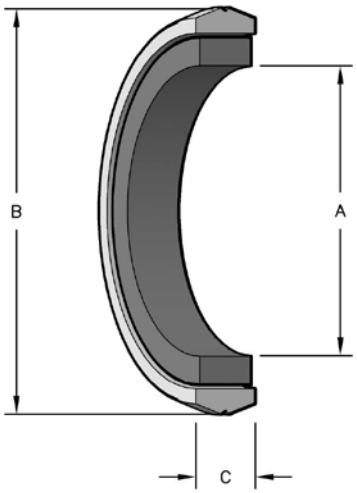
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSM-218F	1-1/4	1-1/2	.15	-218	.185 +.005 +.000	1.254 +.000 -.002	1.498 +.000 -.002	1.500 +.002 +.000
PSM-218	1-1/4	1-1/2	.165	-218	.187 ±.002	1.258 ±.002	1.498 +.000 -.002	1.500 ±.002
PSM-218-WB	1-1/4	1-1/2	.265	-218	.275 +.005 +.000	1.258 +.000 -.002	1.497 +.000 -.001	1.500 +.003 +.000
PSM-222	1-1/2	1-3/4	.165	-222	.187 ±.002	1.508 ±.002	1.748 +.000 -.002	1.750 ±.002
PSM-326	1-5/8	2	.265	-326	.281 ±.002	1.630 ±.002	1.998 +.000 -.002	2.000 ±.002
PSM-326-WB	1-5/8	2	.395	-326	.410 +.005 +.000	1.630 +.000 -.003	1.997 +.000 -.001	2.000 +.003 +.000
PSM-328	1-7/8	2-1/4	.265	-328	.281 ±.002	1.880 ±.002	2.248 +.000 -.002	2.250 ±.002
PSM-329	2	2-3/8	.265	-329	.281 ±.002	2.005 ±.002	2.373 +.000 -.002	2.375 ±.002
PSM-330	2-1/8	2-1/2	.265	-330	.281 ±.002	2.130 ±.002	2.498 +.000 -.002	2.500 ±.002
PSM-330-WB	2-1/8	2-1/2	.395	-330	.410 +.005 +.000	2.130 +.000 -.003	2.497 +.000 -.001	2.500 +.003 +.000
PSM-332	2-3/8	2-3/4	.265	-332	.281 ±.002	2.380 ±.002	2.747 +.000 -.004	2.750 ±.002
PSM-48A	2-3/8	3	.235	N/A	.250 +.005 +.000	2.380 +.000 -.004	2.997 +.000 -.004	3.000 +.004 +.000
PSM-334	2-5/8	3	.265	-334	.281 ±.002	2.630 ±.002	2.997 +.000 -.004	3.000 ±.002
PSM-334-WB	2-5/8	3	.395	-334	.410 +.005 +.000	2.630 +.000 -.004	2.997 +.000 -.001	3.000 +.004 +.000
PSM-336	2-7/8	3-1/4	.265	-336	.281 ±.002	2.880 ±.002	3.247 +.000 -.004	3.250 ±.002

STYLE PSM URETHANE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSM-338	3-1/8	3-1/2	.265	-338	.281 ±.002	3.130 ±.002	3.498 +.000 -.004	3.500 ±.002
PSM-338-WB	3-1/8	3-1/2	.395	-338	.410 +.005 +.000	3.130 +.000 -.004	3.497 +.000 -.001	3.500 +.004 +.000
PSM-340	3-3/8	3-3/4	.265	-340	.281 ±.002	3.380 -.008 -.002	3.748 +.000 -.004	3.750 ±.002
PSM-342	3-5/8	4	.265	-342	.281 ±.002	3.630 ±.002	3.998 +.000 -.004	4.000 ±.002
PSM-342-WB	3-5/8	4	.395	-342	.410 +.005 +.000	3.630 +.000 -.004	3.997 +.000 -.001	4.000 +.004 +.000
PSM-344	3-7/8	4-1/4	.265	-344	.281 ±.002	3.880 ±.002	4.248 +.000 -.004	4.250 ±.002
PSM-346	4-1/8	4-1/2	.265	-346	.281 ±.002	4.130 ±.002	4.498 +.000 -.004	4.500 ±.002
PSM-425-WB	4-1/2	5	.518	-425	.538 +.005 +.000	4.528 +.000 -.004	4.997 +.000 -.001	5.000 +.004 +.000
PSM-350	4-5/8	5	.265	-350	.281 ±.002	4.630 ±.002	4.999 +.000 -.004	5.000 ±.002
PSM-429	5	5-1/2	.35	-429	.375 ±.002	5.028 ±.002	5.499 +.000 -.004	5.502 ±.002
PSM-433	5-1/2	6	.35	-433	.375 ±.002	5.528 ±.002	5.999 +.000 -.004	6.002 ±.002
PSM-433-WB	5-1/2	6	.518	-433	.538 +.005 +.000	5.528 +.000 -.004	5.997 +.000 -.001	6.000 +.004 +.000
PSM-437	6	6-1/2	.35	-437	.375 ±.002	6.028 ±.002	6.498 +.000 -.006	6.502 ±.002
PSM-439	6-1/2	7	.35	-439	.375 ±.002	6.528 ±.002	6.998 +.000 -.006	7.002 ±.002
PSM-441	7	7-1/2	.35	-441	.365 +.006 +.000	7.020 +.000 -.006	7.498 +.000 -.006	7.500 +.006 +.000
PSM-443	7-1/2	8	.35	-443	.365 +.006 +.000	7.520 +.000 -.006	7.998 +.000 -.006	8.000 +.006 +.000
PSM-445	8	8-1/2	.35	-445	.365 +.006 +.000	8.020 +.000 -.006	8.498 +.000 -.006	8.500 +.006 +.000
PSM-446	8-1/2	9	.35	-446	.365 +.006 +.000	8.520 +.000 -.006	8.998 +.000 -.006	9.000 +.006 +.000

STYLE PSM-DPAC URETHANE PISTON SEALS

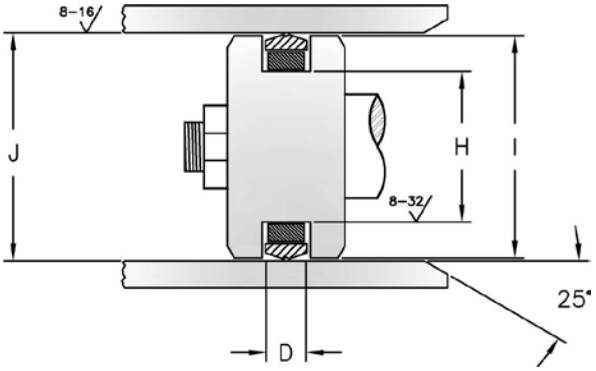
This style of seal provides effective static and dynamic sealing while the groove on the sealing surface acts as a lubrication reservoir to reduce friction. Grooves on both sides prevent blow by during sudden pressure changes and a premium NBR square energizer prevents twisting. This product is molded from premium urethane which provides excellent extrusion and wear resistance.



PART NUMBERS

PSM - 218 - DPAC

Prefix Size



SEAL INFORMATION	
MATERIAL	98A URETHANE SEAL NBR ENERGIZER
TEMPERATURE RANGE	-22°F TO 212°F
PRESSURE RANGE	0 TO 5800 PSI
SPEED	1.5 FT/SEC

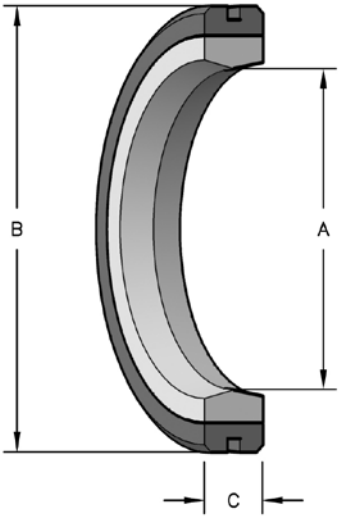
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSM-218-DPAC	1-1/4	1-1/2	.157	-218	.187 +.005 +.000	1.258 +.000 -.003	1.497 +.000 -.002	1.500 +.003 +.000
PSM-222-DPAC	1-1/2	1-3/4	.157	-222	.187 +.005 +.000	1.508 +.000 -.003	1.747 +.000 -.002	1.750 +.003 +.000
PSM-326-DPAC	1-5/8	2	1/4	-326	.281 +.005 +.000	1.630 +.000 -.003	1.997 +.000 -.002	2.000 +.003 +.000
PSM-328-DPAC	1-7/8	2-1/4	1/4	-328	.281 +.005 +.000	1.880 +.000 -.003	2.247 +.000 -.002	2.250 +.003 +.000
PSM-330-DPAC	2-1/8	2-1/2	1/4	-330	.281 +.005 +.000	2.130 +.000 -.003	2.497 +.000 -.002	2.500 +.003 +.000
PSM-332-DPAC	2-3/8	2-3/4	1/4	-332	.281 +.005 +.000	2.380 +.000 -.003	2.747 +.000 -.004	2.750 +.003 +.000
PSM-334-DPAC	2-5/8	3	1/4	-334	.281 +.005 +.000	2.630 +.000 -.004	2.997 +.000 -.004	3.000 +.004 +.000
PSM-336-DPAC	2-7/8	3-1/4	1/4	-336	.281 +.005 +.000	2.880 +.000 -.004	3.247 +.000 -.004	3.250 +.004 +.000
PSM-338-DPAC	3-1/8	3-1/2	1/4	-338	.281 +.005 +.000	3.130 +.000 -.004	3.497 +.000 -.004	3.500 +.004 +.000
PSM-340-DPAC	3-3/8	3-3/4	1/4	-340	.281 +.005 +.000	3.380 +.000 -.004	3.747 +.000 -.004	3.750 +.004 +.000
PSM-342-DPAC	3-5/8	4	1/4	-342	.281 +.005 +.000	3.630 +.000 -.004	3.997 +.000 -.004	4.000 +.004 +.000
PSM-344-DPAC	3-7/8	4-1/4	1/4	-344	.281 +.005 +.000	3.880 +.000 -.004	4.247 +.000 -.004	4.250 +.004 +.000
PSM-346-DPAC	4-1/8	4-1/2	1/4	-346	.281 +.005 +.000	4.130 +.000 -.004	4.497 +.000 -.004	4.500 +.004 +.000
PSM-348-DPAC	4-3/8	4-3/4	1/4	-348	.281 +.005 +.000	4.380 +.000 -.004	4.747 +.000 -.004	4.750 +.004 +.000
PSM-350-DPAC	4-5/8	5	1/4	-350	.281 +.005 +.000	4.630 +.000 -.004	4.998 +.000 -.004	5.002 +.004 +.000

STYLE PSM-DPAC URETHANE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSM-427-DPAC	4-3/4	5-1/4	.345	-427	.375 +.005 +.000	4.778 +.000 -.004	5.248 +.000 -.004	5.252 +.004 +.000
PSM-429-DPAC	5	5-1/2	.345	-429	.375 +.005 +.000	5.028 +.000 -.004	5.498 +.000 -.004	5.520 +.004 +.000
PSM-433-DPAC	5-1/2	6	.345	-433	.375 +.005 +.000	5.528 +.000 -.004	5.998 +.000 -.004	6.002 +.004 +.000

STYLE PSU PISTON SEALS

Our Style PSU piston seal, or uniring, is a laminated one piece double acting seal made of cast polyurethane. The tough outer layer is highly resistant to abrasion and is impregnated with molybdenum disulfide to reduce friction. The softer inner layer acts as a static seal and also energizes the OD to make full contact with the bore. This seal may be used to replace an existing Uniring or other seals of the same dimensions -- O-rings, O-rings with back-ups, T-seals, U-seals, etc. **NOTE:** Piston diameter "I" dimensions are given for pistons without wear rings.

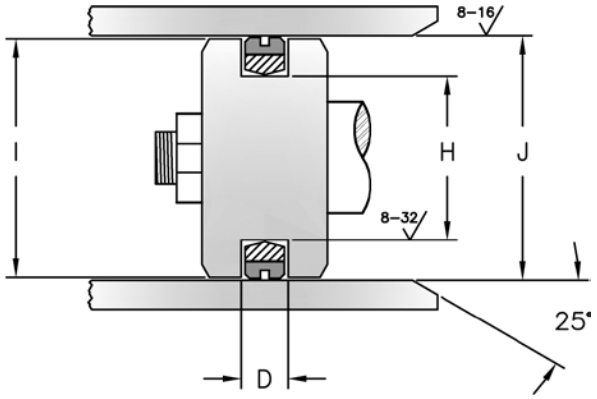


PART NUMBERS

PSU - 1.50 X 1.25 X .187

Prefix | Outside Diameter | Inside Diameter | Groove Width

SEAL INFORMATION	
MATERIAL	60D & 57A URETHANE COMPOSITE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

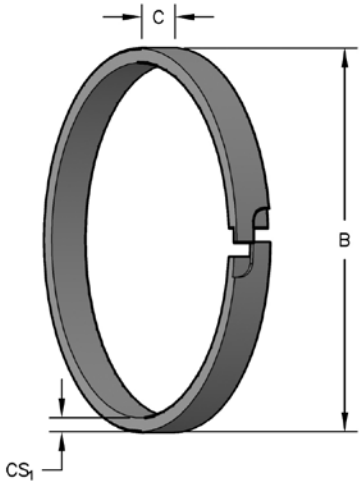


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSU-1.50X1.00X.375	1	1-1/2	3/8	.394 +.015 +.000	1.000 +.005 +.000	1.499 +.000 -.004	1.500 +.006 +.000
PSU-1.50X1.12X.250	1-1/8	1-1/2	1/4	.263 +.015 +.000	1.125 +.004 +.000	1.499 +.000 -.004	1.500 +.004 +.000
PSU-1.50X1.25X.187	1-1/4	1-1/2	.187	.196 +.015 +.000	1.250 +.003 +.000	1.499 +.000 -.004	1.500 +.003 +.000
PSU-1.75X1.25X.375	1-1/4	1-3/4	3/8	.394 +.015 +.000	1.250 +.005 +.000	1.749 +.000 -.004	1.750 +.006 +.000
PSU-1.75X1.37X.250	1-3/8	1-3/4	1/4	.263 +.015 +.000	1.375 +.004 +.000	1.749 +.000 -.004	1.750 +.004 +.000
PSU-1.75X1.37X.500	1-3/8	1-3/4	1/2	.526 +.015 +.000	1.375 +.004 +.000	1.749 +.000 -.004	1.750 +.004 +.000
PSU-2.00X1.50X.375	1-1/2	2	3/8	.394 +.015 +.000	1.500 +.005 +.000	1.999 +.000 -.004	2.000 +.006 +.000
PSU-2.00X1.62X.312	1-5/8	2	.312	.328 +.015 +.000	1.625 +.004 +.000	1.999 +.000 -.004	2.000 +.004 +.000
PSU-2.00X1.62X.375	1-5/8	2	3/8	.394 +.015 +.000	1.625 +.004 +.000	1.999 +.000 -.004	2.000 +.004 +.000
PSU-2.25X1.87X.312	1-7/8	2-1/4	.312	.328 +.015 +.000	1.875 +.004 +.000	2.249 +.000 -.004	2.250 +.004 +.000
PSU-2.50X2.00X.375	2	2-1/2	3/8	.394 +.015 +.000	2.000 +.005 +.000	2.499 +.000 -.004	2.500 +.006 +.000
PSU-2.50X2.12X.312	2-1/8	2-1/2	.312	.328 +.015 +.000	2.125 +.004 +.000	2.499 +.000 -.004	2.500 +.004 +.000

STYLE PSU PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER
PSU-2.50X2.12X.375	2-1/8	2-1/2	3/8	.394 +.015 +.000	2.125 +.004 +.000	2.499 +.000 -.004	2.500 +.004 +.000
PSU-2.75X2.37X.312	2-3/8	2-3/4	.312	.328 +.015 +.000	2.375 +.004 +.000	2.749 +.000 -.004	2.750 +.004 +.000
PSU-3.00X2.50X.375	2-1/2	3	3/8	.394 +.015 +.000	2.500 +.005 +.000	2.999 +.000 -.004	3.000 +.006 +.000
PSU-3.00X2.50X.500	2-1/2	3	1/2	.526 +.015 +.000	2.500 +.005 +.000	2.999 +.000 -.004	3.000 +.006 +.000
PSU-3.00X2.62X.312	2-5/8	3	.312	.328 +.015 +.000	2.625 +.004 +.000	2.999 +.000 -.004	3.000 +.004 +.000
PSU-3.00X2.62X.375	2-5/8	3	3/8	.394 +.015 +.000	2.625 +.004 +.000	2.999 +.000 -.004	3.000 +.004 +.000
PSU-3.25X2.75X.550	2-3/4	3-1/4	.55	.577 +.015 +.000	2.750 +.005 +.000	3.249 +.000 -.004	3.250 +.006 +.000
PSU-3.25X2.87X.312	2-7/8	3-1/4	.312	.328 +.015 +.000	2.875 +.004 +.000	3.249 +.000 -.004	3.250 +.004 +.000
PSU-3.50X3.00X.375	3	3-1/2	3/8	.394 +.015 +.000	3.000 +.005 +.000	3.499 +.000 -.004	3.500 +.006 +.000
PSU-3.50X3.12X.312	3-1/8	3-1/2	.312	.328 +.015 +.000	3.125 +.004 +.000	3.499 +.000 -.004	3.500 +.004 +.000
PSU-3.50X3.12X.375	3-1/8	3-1/2	3/8	.394 +.015 +.000	3.125 +.004 +.000	3.499 +.000 -.004	3.500 +.004 +.000
PSU-3.75X3.37X.312	3-3/8	3-3/4	.312	.328 +.015 +.000	3.375 +.004 +.000	3.749 +.000 -.004	3.750 +.004 +.000
PSU-4.00X3.50X.375	3-1/2	4	3/8	.394 +.015 +.000	3.500 +.005 +.000	3.999 +.000 -.004	4.000 +.006 +.000
PSU-4.00X3.62X.375	3-5/8	4	3/8	.394 +.015 +.000	3.625 +.004 +.000	3.999 +.000 -.004	4.000 +.004 +.000
PSU-4.50X4.00X.375	4	4-1/2	3/8	.394 +.015 +.000	4.000 +.005 +.000	4.499 +.000 -.004	4.500 +.006 +.000
PSU-4.50X4.00X.562	4	4-1/2	.562	.591 +.015 +.000	4.000 +.005 +.000	4.499 +.000 -.004	4.500 +.006 +.000
PSU-5.00X4.37X.500	4-3/8	5	1/2	.526 +.015 +.000	4.375 +.006 +.000	4.999 +.000 -.004	5.000 +.006 +.000
PSU-5.00X4.50X.375	4-1/2	5	3/8	.394 +.015 +.000	4.500 +.005 +.000	4.999 +.000 -.004	5.000 +.006 +.000
PSU-5.00X4.50X.500	4-1/2	5	1/2	.526 +.015 +.000	4.500 +.005 +.000	4.999 +.000 -.004	5.000 +.006 +.000
PSU-5.00X4.50X.562	4-1/2	5	.562	.591 +.015 +.000	4.500 +.005 +.000	4.999 +.000 -.004	5.000 +.006 +.000
PSU-5.25X4.75X.562	4-3/4	5-1/4	.562	.591 +.015 +.000	4.750 +.005 +.000	5.249 +.000 -.004	5.250 +.006 +.000
PSU-5.50X5.00X.375	5	5-1/2	3/8	.394 +.015 +.000	5.000 +.005 +.000	5.499 +.000 -.004	5.500 +.006 +.000
PSU-6.00X5.50X.375	5-1/2	6	3/8	.394 +.015 +.000	5.500 +.005 +.000	5.999 +.000 -.004	6.000 +.006 +.000
PSU-6.00X5.50X.562	5-1/2	6	.562	.591 +.015 +.000	5.500 +.005 +.000	5.999 +.000 -.004	6.000 +.006 +.000
PSU-6.50X6.00X.562	6	6-1/2	.562	.591 +.015 +.000	6.000 +.005 +.000	6.499 +.000 -.004	6.500 +.006 +.000

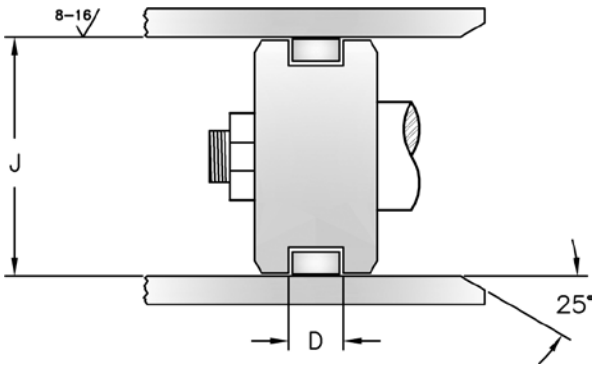
STYLE SPR IRON PISTON RINGS



BC = Butt Cut
H = Hook Joint

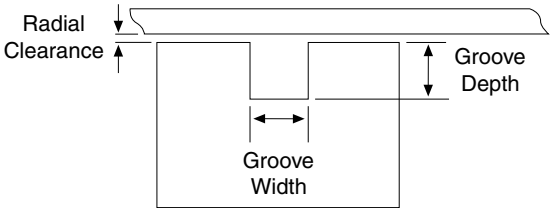
PART NUMBERS

PSM - 218F
Prefix Size



SEAL INFORMATION	
MATERIAL	IRON

END CLEARANCE
End clearance on piston rings depends on ring design, material and application. The following end clearances are provided as a standard for hydraulic cylinder applications.



DIAMETER	BUTT & ANGLE CUT END CLEARANCE	OVERLAPPING JOINT & STEP CUT END CLEARANCE
.500-4.561	.003/.010	.005/.015
4.562-19.970	.005/.015	.010/.020
19.971-30.500	.010/.025	.015/.030

When using iron piston rings, it is crucial to use the correct groove design for proper performance of the cylinder. Please use the following guidelines when cutting an iron piston ring groove.

GROOVE WIDTH: To permit the ring to slide freely into the groove, the groove must be at least 0.001" wider than the maximum piston ring width with a tolerance of +0.003"/-0.000".

GROOVE DEPTH: Grooves must be at least 0.015" deeper than the maximum radial wall thickness of the piston ring with a tolerance of +0.003"/-0.000". This is to avoid any possibility of the ring bottoming in the groove when the ring is compressed to its working diameter.

RADIAL CLEARANCE: The radial clearance between the cylinder bore and piston should be less than 1/3 of the radial wall thickness of the piston ring to ensure sealing effectiveness.

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-1001	1	3/32	.095 +.003 +.000	1.000	.0935 +.000 -.001	.055 +.000 -.010
SPR-1000	1	1/8	.1255 +.003 +.000	1.000	.124 +.000 -.001	.055 +.000 -.010
SPR-1375-H	1-3/8	.0975	.0985 +.003 +.000	1.375	.0975 +.000 -.001	.060 +.000 -.010
SPR-1501	1-1/2	3/32	.095 +.003 +.000	1.500	.0935 +.000 -.001	.067 +.000 -.015
SPR-1500	1-1/2	1/8	.1255 +.003 +.000	1.500	.124 +.000 -.001	.067 +.000 -.015
SPR-1530	1.53	1/8	.1255 +.003 +.000	1.530	.124 +.000 -.001	.060 +.000 -.010
SPR-1751	1-3/4	3/32	.095 +.003 +.000	1.750	.0935 +.000 -.001	.075 +.000 -.015

STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-1750	1-3/4	1/8	.1255 +.003 +.000	1.750	.124 +.000 -.001	.075 +.000 -.015
SPR-1875	1-7/8	1/8	.1255 +.003 +.000	1.875	.124 +.000 -.001	.075 +.000 -.015
SPR-2003	2	3/32	.095 +.003 +.000	2.000	.0935 +.000 -.001	.097 +.000 -.015
SPR-2000	2	1/8	.1255 +.003 +.000	2.000	.124 +.000 -.001	.075 +.000 -.015
SPR-2006	2	1/8	.1255 +.003 +.000	2.000	.124 +.000 -.001	.087 +.000 -.010
SPR-2001	2	3/16	.188 +.003 +.000	2.000	.1865 +.000 -.001	.075 +.000 -.015
SPR-2002	2	1/4	.2505 +.003 +.000	2.000	.249 +.000 -.001	.075 +.000 -.015
SPR-2030	2.03	1/8	.1255 +.003 +.000	2.030	.124 +.000 -.001	.095 +.000 -.030
SPR-2126	2-1/8	1/8	.1255 +.003 +.000	2.125	.124 +.000 -.001	.080 +.000 -.015
SPR-2125	2-1/8	3/16	.188 +.003 +.000	2.125	.1865 +.000 -.001	.080 +.000 -.015
SPR-2251	2-1/4	1/8	.1255 +.003 +.000	2.250	.124 +.000 -.001	.085 +.000 -.008
SPR-2250	2-1/4	3/16	.188 +.003 +.000	2.250	.1865 +.000 -.001	.085 +.000 -.015
SPR-2255	2-1/4	3/16	.1875 +.003 +.000	2.250	.186 ±.0005	.112 +.009 -.006
SPR-2254	2-1/4	1/4	.2505 +.003 +.000	2.250	.249 +.000 -.001	.085 +.000 -.015
SPR-2376	2-3/8	3/16	.188 +.003 +.000	2.375	.1865 +.000 -.001	.091 +.000 -.015
SPR-2500	2-1/2	1/8	.1255 +.003 +.000	2.500	.124 +.000 -.001	.097 +.000 -.015
SPR-2503	2-1/2	1/8	.1255 +.003 +.000	2.500	.124 +.000 -.001	.118 +.000 -.015
SPR-2501	2-1/2	3/16	.188 +.003 +.000	2.500	.1865 +.000 -.001	.097 +.000 -.015
SPR-2504	2-1/2	3/16	.188 +.003 +.000	2.500	.1865 +.000 -.001	.118 +.000 -.015
SPR-2502	2-1/2	1/4	.2505 +.003 +.000	2.500	.249 +.000 -.001	.097 +.000 -.015
SPR-2530	2.53	1/8	.1255 +.003 +.000	2.530	.124 +.000 -.001	.095 +.000 -.030
SPR-2625	2-5/8	3/16	.188 +.003 +.000	2.625	.1865 +.000 -.001	.102 +.000 -.015
SPR-2752	2-3/4	5/32	.1565 +.003 +.000	2.750	.156 +.000 -.001	.125 +.000 -.025
SPR-2750	2-3/4	3/16	.188 +.003 +.000	2.750	.1865 +.000 -.001	.106 +.000 -.015
SPR-2754	2-3/4	3/16	.188 +.003 +.000	2.750	.187 +.000 -.001	.118 +.000 -.015
SPR-2756	2-3/4	3/16	.188 +.003 +.000	2.750	.186 ±.0005	.124
SPR-2755	2.755	.119	.120 +.003 +.000	2.755	.119 +.000 -.001	.124 +.000 -.015
SPR-2875	2-7/8	3/16	.188 +.003 +.000	2.875	.1865 +.000 -.001	.108 +.000 -.015
SPR-3000	3	3/16	.188 +.003 +.000	3.000	.1865 +.000 -.001	.110 +.000 -.015
SPR-3002	3	3/16	.191 +.000 -.003	3.000	.187 +.000 -.001	.138 +.000 -.015
SPR-3001	3	1/4	.2505 +.003 +.000	3.000	.249 +.000 -.001	.110 +.000 -.015
SPR-3003	3	5/16	.313 +.003 +.000	3.000	.311 +.000 -.001	.110 +.000 -.015
SPR-3120	3-1/8	3/16	.188 +.003 +.000	3.125	.1865 +.000 -.001	.115 +.000 -.015

STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-3251	3-1/4	1/8	.1255 +.003 +.000	3.250	.124 +.000 -.001	.118 +.000 -.015
SPR-3256	3-1/4	1/8	.1255 +.003 +.000	3.250	.124 +.000 -.001	.118 +.000 -.015
SPR-3253	3-1/4	5/32	.1565 +.003 +.000	3.250	.1555 +.000 -.001	.134 +.000 -.013
SPR-3250	3-1/4	3/16	.188 +.003 +.000	3.250	.1865 +.000 -.001	.118 +.000 -.015
SPR-3255	3-1/4	3/16	.188 +.003 +.000	3.250	.1865 +.000 -.001	.138 +.000 -.015
SPR-3252	3-1/4	1/4	.2505 +.003 +.000	3.250	.249 +.000 -.001	.118 +.000 -.015
SPR-3260	3.26	1/4	.2505 +.003 +.000	3.260	.249 +.000 -.001	.130 +.000 -.015
SPR-3280	3.28	3/16	.188 +.003 +.000	3.280	.1865 +.000 -.001	.118 +.000 -.015
SPR-3375	3-3/8	3/16	.188 +.003 +.000	3.375	.1865 +.000 -.001	.121 +.000 -.015
SPR-3497	3.497	3/16	.188 +.003 +.000	3.497	.1865 +.000 -.001	.124 +.000 -.015
SPR-3500	3-1/2	1/8	.1255 +.003 +.000	3.500	.124 +.000 -.001	.124 +.000 -.015
SPR-3505	3-1/2	3/16	.188 +.003 +.000	3.500	.1865 +.000 -.001	.124 +.000 -.015
SPR-3506	3-1/2	3/16	.191 +.000 -.003	3.500	.187 +.000 -.001	.160 +.000 -.015
SPR-3502	3-1/2	1/4	.2505 +.003 +.000	3.500	.249 +.000 -.001	.124 +.000 -.015
SPR-3503	3-1/2	3/8	.3755 +.003 +.000	3.500	.373 +.000 -.001	.124 +.000 -.015
SPR-3520-BC	3.52	3/16	.188 +.003 +.000	3.520	.186 +.000 -.002	.145 +.000 -.015
SPR-3625	3-5/8	1/4	.2505 +.003 +.000	3.625	.249 +.000 -.001	.160 +.000 -.015
SPR-3626	3-5/8	1/4	.2505 +.003 +.000	3.625	.249 +.000 -.001	.185 +.000 -.015
SPR-3750	3-3/4	3/16	.188 +.003 +.000	3.750	.1865 +.000 -.001	.130 +.000 -.015
SPR-3752	3-3/4	3/16	.188 +.003 +.000	3.750	.1865 +.000 -.002	.190 +.000 -.015
SPR-3751	3-3/4	1/4	.2505 +.003 +.000	3.750	.249 +.000 -.001	.130 +.000 -.015
SPR-3875	3-7/8	1/4	.2505 +.003 +.000	3.875	.249 +.000 -.001	.138 +.000 -.015
SPR-3990	3.99	1/4	.2505 +.003 +.000	3.990	.249 +.000 -.001	.142 +.000 -.015
SPR-4002	4	3/16	.188 +.003 +.000	4.000	.1865 +.000 -.001	.142 +.000 -.015
SPR-4007	4	3/16	.188 +.003 +.000	4.000	.1865 +.000 -.001	.199 +.000 -.015
SPR-4000	4	1/4	.2505 +.003 +.000	4.000	.249 +.000 -.001	.142 +.000 -.015
SPR-4003	4	5/16	.313 +.003 +.000	4.000	.311 +.000 -.001	.142 +.000 -.015
SPR-4020	4.02	5/16	.313 +.003 +.000	4.020	.311 +.000 -.001	.142 +.000 -.015
SPR-4030	4.03	1/4	.2505 +.003 +.000	4.030	.249 +.000 -.001	.142 +.000 -.015
SPR-4250	4-1/4	1/4	.2505 +.003 +.000	4.250	.249 +.000 -.001	.150 +.000 -.015
SPR-4251	4-1/4	1/4	.2505 +.003 +.000	4.250	.249 +.000 -.001	.181 +.000 -.015
SPR-4252-BC	4-1/4	1/4	.2505 +.003 +.000	4.250	.249 +.000 -.001	.177 +.000 -.010
SPR-4260	4.26	1/4	.2505 +.003 +.000	4.260	.249 +.000 -.001	.167 +.000 -.015

STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-4496	4.496	1/4	.2505 +.003 +.000	4.496	.249 +.000 -.001	.150 +.000 -.015
SPR-4501	4-1/2	3/16	.188 +.003 +.000	4.500	.1865 +.000 -.001	.160 +.000 -.015
SPR-4502	4-1/2	1/4	.2505 +.003 +.000	4.500	.249 +.000 -.001	.160 +.000 -.015
SPR-4504	4-1/2	1/4	.2505 +.003 +.000	4.500	.249 +.000 -.001	.199 +.000 -.015
SPR-4506-BC	4-1/2	1/4	.2505 +.003 +.000	4.500	.249 +.000 -.001	.130 +.000 -.015
SPR-4500	4-1/2	5/16	.313 +.003 +.000	4.500	.311 +.000 -.001	.160 +.000 -.015
SPR-4503	4-1/2	3/8	.3755 +.003 +.000	4.500	.373 +.000 -.001	.160 +.000 -.015
SPR-4520-BC	4.52	3/16	.188 +.003 +.000	4.520	.186 +.000 -.002	.160 +.000 -.015
SPR-4540	4.54	3/16	.188 +.003 +.000	4.540	.1865 +.000 -.001	.167 +.000 -.015
SPR-4751	4-3/4	1/4	.2505 +.003 +.000	4.750	.249 +.000 -.001	.167 +.000 -.015
SPR-4752	4-3/4	1/4	.2505 +.003 +.000	4.750	.249 +.000 -.001	.190 +.000 -.015
SPR-4876-BC	4-7/8	3/8	.3755 +.003 +.000	4.875	.373 +.000 -.001	.124 +.000 -.015
SPR-5005	5	1/8	.1255 +.003 +.000	5.000	.124 +.000 -.001	.175 +.000 -.015
SPR-5001	5	3/16	.188 +.003 +.000	5.000	.1865 +.000 -.001	.175 +.000 -.015
SPR-5000	5	1/4	.2505 +.003 +.000	5.000	.249 +.000 -.001	.150 +.000 -.010
SPR-5002	5	1/4	.2505 +.003 +.000	5.000	.249 +.000 -.001	.175 +.000 -.015
SPR-5008	5	1/4	.2505 +.003 +.000	5.000	.248 +.001 +.000	.198 +.008 -.007
SPR-5004	5	5/16	.313 +.003 +.000	5.000	.311 +.000 -.001	.175 +.000 -.015
SPR-5003	5	3/8	.3755 +.003 +.000	5.000	.373 +.000 -.001	.175 +.000 -.015
SPR-5030	5.03	1/4	.2505 +.003 +.000	5.030	.249 +.000 -.001	.185 +.000 -.020
SPR-5120	5-1/8	1/4	.2505 +.003 +.000	5.125	.249 +.000 -.001	.172 +.000 -.006
SPR-5121	5-1/8	1/4	.2505 +.003 +.000	5.125	.249 +.000 -.001	.160 +.000 -.015
SPR-5251	5-1/4	1/4	.2505 +.003 +.000	5.250	.249 +.000 -.001	.181 +.000 -.015
SPR-5252	5-1/4	9/32	.280 +.003 +.000	5.250	.279 +.000 -.001	.170 +.000 -.010
SPR-5260	5.26	1/4	.2505 +.003 +.000	5.260	.249 +.000 -.001	.195 +.000 -.015
SPR-5496	5.496	1/4	.2505 +.003 +.000	5.496	.249 +.000 -.001	.160 +.000 -.020
SPR-5501	5-1/2	3/16	.188 +.003 +.000	5.500	.1865 +.000 -.001	.190 +.000 -.015
SPR-5502	5-1/2	1/4	.2505 +.003 +.000	5.500	.249 +.000 -.001	.190 +.000 -.015
SPR-5506	5-1/2	1/4	.2505 +.003 +.000	5.500	.249 +.000 -.001	.150 +.000 -.015
SPR-5500	5-1/2	5/16	.313 +.003 +.000	5.500	.311 +.000 -.001	.190 +.000 -.015
SPR-5503	5-1/2	3/8	.3755 +.003 +.000	5.500	.373 +.000 -.001	.190 +.000 -.015
SPR-5520-BC	5.52	3/16	.188 +.003 +.000	5.520	.186 +.000 -.002	.200 +.000 -.015
SPR-5540	5.54	3/16	.188 +.003 +.000	5.540	.1865 +.000 -.001	.210 +.000 -.030

STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-5750	5-3/4	3/16	.188 +.003 +.000	5.750	.1865 +.000 -.001	.199 +.000 -.015
SPR-5751	5-3/4	1/4	.2505 +.003 +.000	5.750	.249 +.000 -.001	.199 +.000 -.015
SPR-5752	5-3/4	5/16	.313 +.003 +.000	5.750	.311 +.000 -.001	.199 +.000 -.015
SPR-6001	6	1/8	.1255 +.003 +.000	6.000	.124 +.000 -.002	.206 +.000 -.015
SPR-6006	6	3/16	.188 +.003 +.000	6.000	.1865 +.000 -.002	.206 +.000 -.015
SPR-6000	6	1/4	.2505 +.003 +.000	6.000	.249 +.000 -.002	.160 +.000 -.020
SPR-6002	6	1/4	.2505 +.003 +.000	6.000	.249 +.000 -.002	.206 +.000 -.015
SPR-6004	6	5/16	.313 +.003 +.000	6.000	.311 +.000 -.002	.206 +.000 -.015
SPR-6005	6	3/8	.3755 +.003 +.000	6.000	.373 +.000 -.002	.206 +.000 -.015
SPR-6030	6.03	1/4	.2505 +.003 +.000	6.030	.249 +.000 -.002	.206 +.000 -.015
SPR-6040	6.04	3/16	.188 +.003 +.000	6.040	.1865 +.000 -.002	.205 +.000 -.015
SPR-6120	6-1/8	1/4	.2505 +.003 +.000	6.125	.249 +.000 -.002	.206 +.000 -.015
SPR-6250	6-1/4	3/16	.188 +.003 +.000	6.250	.1865 +.000 -.002	.217 +.000 -.015
SPR-6252	6-1/4	1/4	.2505 +.003 +.000	6.250	.249 +.000 -.002	.217 +.000 -.015
SPR-6251	6-1/4	5/16	.313 +.003 +.000	6.250	.311 +.000 -.002	.217 +.000 -.015
SPR-6260	6.26	1/4	.2505 +.003 +.000	6.260	.249 +.000 -.001	.206 +.000 -.015
SPR-6496	6.496	1/4	.2505 +.003 +.000	6.496	.249 +.000 -.002	.160 +.000 -.020
SPR-6501	6-1/2	3/16	.188 +.003 +.000	6.500	.1865 +.000 -.002	.226 +.000 -.015
SPR-6503	6-1/2	3/16	.188 +.003 +.000	6.500	.187 +.000 -.001	.226 +.000 -.015
SPR-6502	6-1/2	1/4	.2505 +.003 +.000	6.500	.249 +.000 -.002	.226 +.000 -.015
SPR-6500	6-1/2	5/16	.313 +.003 +.000	6.500	.311 +.000 -.002	.226 +.000 -.015
SPR-6505	6-1/2	1/2	.5005 +.003 +.000	6.500	.498 +.000 -.002	.225 +.000 -.015
SPR-6520-BC	6.52	3/16	.188 +.003 +.000	6.520	.186 +.000 -.002	.235 +.000 -.015
SPR-6750	6-3/4	1/4	.2505 +.003 +.000	6.750	.249 +.000 -.002	.190 +.000 -.015
SPR-6752	6-3/4	1/4	.2505 +.003 +.000	6.750	.249 +.000 -.002	.234 +.000 -.015
SPR-6751	6-3/4	5/16	.313 +.003 +.000	6.750	.311 +.000 -.002	.234 +.000 -.015
SPR-7004	7	.24	.241 +.003 +.000	7.000	.240 +.000 -.001	.252 +.000 -.015
SPR-7000	7	1/4	.2505 +.003 +.000	7.000	.249 +.000 -.002	.160 +.000 -.020
SPR-7002	7	1/4	.2505 +.003 +.000	7.000	.249 +.000 -.002	.243 +.000 -.015
SPR-7005	7	5/16	.313 +.003 +.000	7.000	.311 +.000 -.002	.243 +.000 -.015
SPR-7003	7	3/8	.3755 +.003 +.000	7.000	.373 +.000 -.002	.243 +.000 -.015
SPR-7006	7	1/2	.5005 +.003 +.000	7.000	.498 +.000 -.002	.243 +.000 -.015
SPR-7030	7.03	5/16	.313 +.003 +.000	7.030	.311 +.000 -.002	.263 +.000 -.030

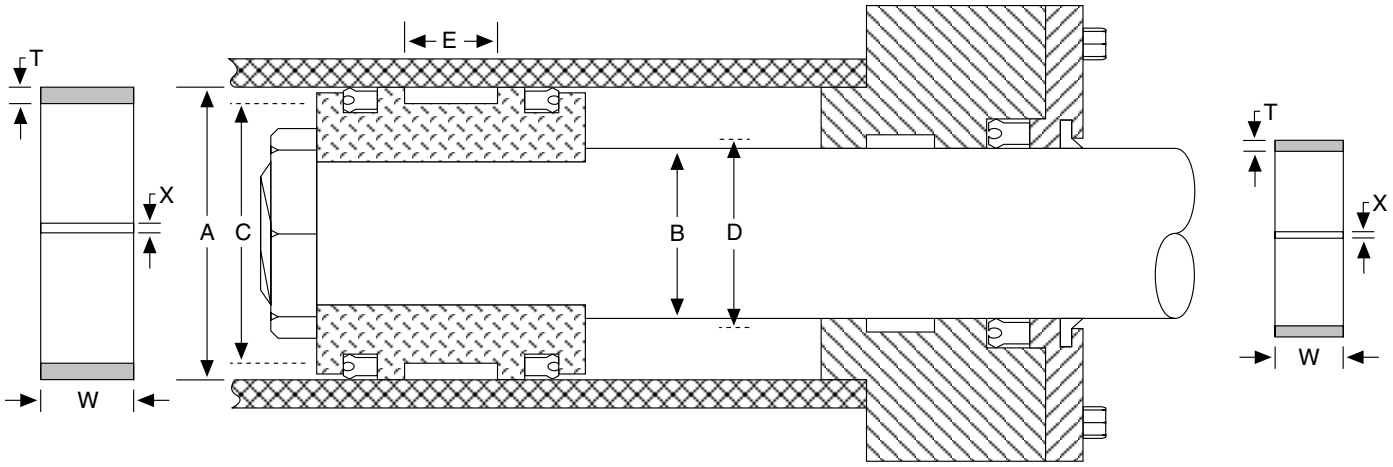
STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-7125	7-1/8	1/4	.2505 +.003 +.000	7.125	.249 +.000 -.002	.252 +.000 -.015
SPR-7250	7-1/4	1/4	.2505 +.003 +.000	7.250	.249 +.000 -.002	.175 +.000 -.015
SPR-7255	7-1/4	5/16	.313 +.003 +.000	7.250	.311 +.000 -.002	.252 +.000 -.015
SPR-7260	7.26	1/4	.2505 +.003 +.000	7.260	.249 +.000 -.002	.268 +.000 -.015
SPR-7375	7-3/8	3/8	.3755 +.003 +.000	7.375	.373 +.000 -.002	.206 +.000 -.015
SPR-7496	7.496	1/4	.2505 +.003 +.000	7.496	.249 +.000 -.002	.160 +.000 -.015
SPR-7501	7-1/2	1/4	.2505 +.003 +.000	7.500	.249 +.000 -.002	.260 +.000 -.015
SPR-7500	7-1/2	5/16	.313 +.003 +.000	7.500	.311 +.000 -.002	.226 +.000 -.015
SPR-7505	7-1/2	5/16	.313 +.003 +.000	7.500	.311 +.000 -.002	.259 +.000 -.015
SPR-7520-BC	7.52	3/16	.188 +.003 +.000	7.520	.186 +.000 -.002	.275 +.000 -.015
SPR-7750	7-3/4	5/16	.313 +.003 +.000	7.750	.311 +.000 -.002	.267 +.000 -.015
SPR-8000	8	5/16	.313 +.003 +.000	8.000	.311 +.000 -.002	.226 +.000 -.015
SPR-8005	8	5/16	.313 +.003 +.000	8.000	.311 +.000 -.002	.275 +.000 -.015
SPR-8006	8	3/8	.3755 +.003 +.000	8.000	.373 +.000 -.002	.275 +.000 -.015
SPR-8001	8	.435	.4375 +.003 +.000	8.000	.435 +.000 -.001	.270 +.000 -.015
SPR-8030	8.03	5/16	.313 +.003 +.000	8.030	.311 +.000 -.002	.295 +.000 -.030
SPR-8125	8-1/8	.435	.4375 +.003 +.000	8.125	.435 +.000 -.001	.270 +.000 -.015
SPR-8250	8-1/4	3/8	.3755 +.003 +.000	8.250	.373 +.000 -.002	.283 +.000 -.015
SPR-8370	8-3/8	1/4	.2505 +.003 +.000	8.375	.249 +.000 -.002	.283 +.000 -.015
SPR-8420	8.42	1/4	.2505 +.003 +.000	8.420	.249 +.000 -.001	.306 +.000 -.015
SPR-8496	8.496	1/4	.2505 +.003 +.000	8.496	.249 +.000 -.002	.160 +.000 -.020
SPR-8500	8-1/2	5/16	.313 +.003 +.000	8.500	.311 +.000 -.002	.225 +.000 -.015
SPR-8503	8-1/2	5/16	.313 +.003 +.000	8.500	.311 +.000 -.002	.309 +.000 -.015
SPR-8502	8-1/2	3/8	.3755 +.003 +.000	8.500	.373 +.000 -.002	.290 +.000 -.015
SPR-8520-BC	8.52	3/16	.188 +.003 +.000	8.520	.186 +.000 -.002	.310 +.000 -.015
SPR-8751	8-3/4	3/8	.3785 +.003 +.000	8.750	.376 +.000 -.002	.305 +.000 -.005
SPR-9001	9	5/16	.313 +.003 +.000	9.000	.311 +.000 -.002	.309 +.000 -.015
SPR-9000	9	3/8	.3755 +.003 +.000	9.000	.373 +.000 -.002	.309 +.000 -.015
SPR-9004	9	.435	.4375 +.003 +.000	9.000	.435 +.000 -.002	.259 +.000 -.015
SPR-9005	9	1/2	.5005 +.003 +.000	9.000	.498 +.000 -.002	.195 +.000 -.020
SPR-9170	9.17	5/16	.313 +.003 +.000	9.170	.311 +.000 -.002	.308 +.000 -.010
SPR-9250	9-1/4	1/4	.2505 +.003 +.000	9.250	.249 +.000 -.002	.175 +.000 -.015
SPR-9251	9-1/4	5/16	.313 +.003 +.000	9.250	.311 +.000 -.002	.315 +.000 -.015

STYLE SPR IRON PISTON RINGS

Part Number	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	J BORE DIAMETER	C HEIGHT	CS_1 RING CROSS SECTION
SPR-9501	9-1/2	1/4	.2505 +.003 +.000	9.500	.249 +.000 -.002	.320 +.000 -.015
SPR-9500	9-1/2	5/16	.313 +.003 +.000	9.500	.311 +.000 -.002	.320 +.000 -.015
SPR-9502	9-1/2	3/8	.3755 +.003 +.000	9.500	.373 +.000 -.002	.320 +.000 -.015
SPR-9746	9.746	1/4	.2505 +.003 +.000	9.746	.249 +.000 -.002	.160 +.000 -.020
SPR-9885	9.885	1/4	.2505 +.003 +.000	9.885	.249 +.000 -.002	.340 +.000 -.015
SPR-10000	10	5/16	.313 +.003 +.000	10.000	.311 +.000 -.002	.332 +.000 -.015
SPR-10001	10	3/8	.3755 +.003 +.000	10.000	.373 +.000 -.002	.332 +.000 -.015
SPR-10030	10.03	5/16	.313 +.003 +.000	10.030	.311 +.000 -.001	.345 +.000 -.010
SPR-10503	10-1/2	1/4	.2505 +.003 +.000	10.500	.249 +.000 -.001	.380 +.000 -.015
SPR-10501	10-1/2	3/8	.3755 +.003 +.000	10.500	.373 +.000 -.002	.332 +.000 -.015
SPR-10502	10-1/2	5/8	.6255 +.003 +.000	10.500	.623 +.000 -.002	.253 +.000 -.015
SPR-11000	11	.474	.4765 +.003 +.000	11.000	.474 +.000 -.002	.317 +.000 -.015
SPR-11001	11	1/2	.5005 +.003 +.000	11.000	.498 +.000 -.002	.190 +.000 -.015
SPR-12001	12	7/16	.4385 +.003 +.000	12.000	.436 +.000 -.002	.379 +.000 -.015
SPR-12030	12.03	3/8	.3755 +.003 +.000	12.030	.373 +.000 -.002	.401 +.000 -.015

NYLON WEAR RING TECHNICAL INFORMATION



A	-	CYLINDER BORE
B	-	ROD DIAMETER
C	-	MINIMUM BORE “A” MINUS .253/.256
D	-	MAXIMUM ROD DIAMETER “B” PLUS .253/.256
E	-	GROOVE WIDTH
T	-	THICKNESS OF WEAR RING
W	-	WIDTH OF WEAR RING
X	-	MINIMUM RING GAP

Groove Dimensions For Standard Wear Ring Widths

1/2" Width			5/8" Width			3/4" Width			1" Width		
E	T	X	E	T	X	E	T	X	E	T	X
.515"	.125"	1/16"	.640"	.125"	1/16"	.765"	.125"	1/16"	1.015"	.125"	1/16"
.510"	.122"		.635"	.122"		.760"	.122"		1.010"	.122"	

Cut Down Factors For Standard Wear Rings

In many cases an oversized nylon wear ring can be cut down to fit a smaller groove without a loss of concentricity. Use the following guide when cutting down wear rings.

Wear Ring OD	Maximum amount to be Cut Down
4” OD	3/8” of circumference
4-1/2” - 6-1/2” OD	1/2”
7” -9” OD	1”
9-1/2” - 14” OD	1-1/2”

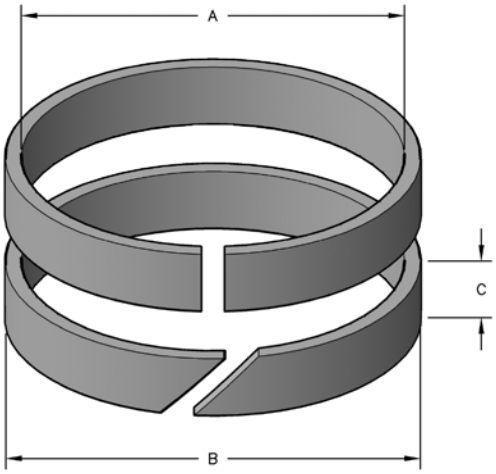
Flexible Guide Bearing Cut To Fit Formula

Use the following formula when cutting flexible guide bearing to fit a specific application.

For Piston Bearings	For Rod Bearings
Bearing Length = (Bore - C.S.) x 3.14 - Gap	Bearing Length = (Rod + C.S.) x 3.14 - Gap

STYLE 600 NYLON WEAR RINGS

NOTE: "SC" suffix designates a Scarf Cut wear ring.



PART NUMBERS

606 - 087 - 050

Prefix — Outside Diameter — Height

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +275° F
TENSILE STRENGTH	27,000 PSI
COMPRESSIVE STRENGTH	26,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
1/16" C/S			
606-087-050	3/4	7/8	1/2
606-112-037-BC	1	1-1/8	3/8
606-112-037-SC	1	1-1/8	3/8
606-112-050	1	1-1/8	1/2
606-125-050-BC	1-1/8	1-1/4	1/2
606-125-050-SC	1-1/8	1-1/4	1/2
606-125-075-SC	1-1/8	1-1/4	3/4
606-125-100	1-1/8	1-1/4	.99
606-137-050	1-1/4	1-3/8	1/2
606-150-031-SC	1-3/8	1-1/2	5/16
606-150-037-SC	1-3/8	1-1/2	3/8
606-150-062	1-3/8	1-1/2	5/8
606-162-082	1-1/2	1-5/8	.82
606-162-098-SC	1-1/2	1-5/8	63/64
606-162-125	1-1/2	1-5/8	1-1/4
606-187-082	1-3/4	1-7/8	.82
606-187-098-SC	1-3/4	1-7/8	63/64
606-200-025-SC	1-7/8	2	1/4
606-200-031-SC	1-7/8	2	5/16
606-200-072-SC	1-7/8	2	23/32
606-200-098-SC	1-7/8	2	63/64
606-212-072-SC	2	2-1/8	23/32
606-212-098-SC	2	2-1/8	.975
606-212-125	2	2-1/8	1-1/4
606-225-036	2-1/8	2-1/4	23/64
606-225-072-SC	2-1/8	2-1/4	23/32
606-225-098-SC	2-1/8	2-1/4	63/64
606-225-100	2-1/8	2-1/4	1
606-237-098-SC	2-1/4	2-3/8	.975
606-237-100	2-1/4	2-3/8	1
606-237-118	2-1/4	2-3/8	1-3/16
606-250-031-SC	2-3/8	2-1/2	5/16
606-250-037	2-3/8	2-1/2	3/8
606-250-050	2-3/8	2-1/2	1/2
606-250-126-SC	2-3/8	2-1/2	1.26
606-262-072-SC	2-1/2	2-5/8	.725

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
606-262-098-SC	2-1/2	2-5/8	63/64
606-262-124-SC	2-1/2	2-5/8	1.24
606-262-168	2-1/2	2-5/8	1-11/16
606-275-050	2-5/8	2-3/4	1/2
606-275-098-SC	2-5/8	2-3/4	63/64
606-275-100	2-5/8	2-3/4	1
606-287-098-SC	2-3/4	2-7/8	.978
606-287-100-SC	2-3/4	2-7/8	1
606-287-126-SC	2-3/4	2-7/8	1.26
606-287-157-SC	2-3/4	2-7/8	1-9/16
606-287-181	2-3/4	2-7/8	1-13/16
606-312-098-SC	3	3-1/8	63/64
606-312-124	3	3-1/8	1.24
606-312-148-SC	3	3-1/8	1.48
606-312-156	3	3-1/8	1-9/16
606-312-165-SC	3	3-1/8	1.65
606-325-031-SC	3-1/8	3-1/4	5/16
606-325-050	3-1/8	3-1/4	1/2
606-337-174	3-1/4	3-3/8	1.74
606-337-187	3-1/4	3-3/8	1-7/8
606-362-105	3-1/2	3-5/8	1.05
606-362-188-SC	3-1/2	3-5/8	1-7/8
606-387-157	3-3/4	3-7/8	1.57
606-400-031-SC	3-7/8	4	5/16
606-500-043-SC	4-7/8	5	7/16
606-600-043-SC	5-7/8	6	7/16
606-800-050-SC	7-7/8	8	1/2
5/64" C/S			
608-115-050	1	1-5/32	1/2
608-125-050	1-3/32	1-1/4	1/2
608-140-075	1-1/4	1.406	3/4
608-152-075	1-3/8	1-17/32	3/4
608-154-075	1-3/8	1-17/32	3/4
608-166-050	1-1/2	1-21/32	1/2
608-166-062	1-1/2	1-21/32	5/8
608-166-075	1-1/2	1-21/32	3/4
608-216-098	2	2-5/32	.979

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
3/32" C/S			
609-125-018	1-1/16	1-1/4	3/16
609-125-037	1-1/16	1-1/4	3/8
609-150-018	1-5/16	1-1/2	3/16
609-150-037	1-5/16	1-1/2	3/8
609-200-019	1-13/16	2	3/16
609-200-037	1-13/16	2	3/8
609-218-037	2	2-3/16	3/8
609-250-037	2-5/16	2-1/2	3/8
609-255-150	2-23/64	2-35/64	1-1/2
609-285-100	2.663	2.85	1
609-300-022	2-13/16	3	7/32
609-325-037	3-1/16	3-1/4	3/8
609-331-062	3-1/8	3-5/16	5/8
609-350-021	3-5/16	3-1/2	.212
609-350-037-SC	3-5/16	3-1/2	3/8
609-350-050	3-5/16	3-1/2	1/2
609-362-022	3-7/16	3-5/8	7/32
609-393-022	3-3/4	3-15/16	7/32
609-400-037	3-13/16	4	3/8
609-500-050	4-13/16	5	1/2
609-600-050	5-13/16	6	1/2
.098" C/S			
609R-369-050P-SC	3-1/2	3.696	1/2
609R-419-075P-SC	4	4.196	3/4
609P-600-050P-SC	5.804	6	1/2
609P-650-075P-SC	6.304	6-1/2	3/4
609P-700-075P-SC	6.804	7	3/4
.1" C/S			
610-270-228	2-1/2	2.7	2.28
610-295-196	2-3/4	2.95	1.96
610-300-099-SC	2.8	3	.99
610-320-117-SC	3	3.2	1.17
610-325-112	3.05	3-1/4	1-1/8
610-345-162-SC	3-1/4	3.45	1-5/8
610-345-196	3-1/4	3.45	1.96
610-345-274-SC	3-1/4	3.45	2.74
610-370-075-SC	3-1/2	3.7	3/4
610-370-176	3-1/2	3.7	1.76
610-370-188-SC	3-1/2	3.7	1-7/8
610-370-236-SC	3-1/2	3.7	2.36
610-395-243	3-3/4	3.95	2-7/16
610-420-156-SC	4	4.2	1-9/16
610-420-255	4	4.2	2.55
610-445-237	4-1/4	4.45	2-3/8
610-470-196-SC	4-1/2	4.7	1.96
610-495-196-SC	4-3/4	4.95	1.96
610-518-300-SC	4.9875	5-3/16	3
610-520-250	5	5.2	2-1/2
610-595-361	5-3/4	5.95	3.6125
610-620-196-SC	6	6.2	1.96
610-670-226-SC	6-1/2	6.7	2.262
610-720-235-SC	7	7.2	2.35
610-720-314	7	7.2	3.14
610-745-235-SC	7-1/4	7.45	2.35
610-770-313-SC	7-1/2	7.698	3.13
610-820-295-SC	8	8.2	2.95

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
1/8" C/S			
612-100-037	3/4	1	3/8
612-100-087-SC	3/4	1	7/8
612-112-037	7/8	1-1/8	3/8
612-125-037	1	1-1/4	3/8
612-125-050	1	1-1/4	1/2
612-137-050	1-1/8	1-3/8	1/2
612-150-025	1-1/4	1-1/2	1/4
612-150-037	1-1/4	1-1/2	3/8
612-150-050-SC	1-1/4	1-1/2	1/2
612-150-062	1-1/4	1-1/2	5/8
612-150-100	1-1/4	1-1/2	1
612-162-037	1-3/8	1-5/8	3/8
612-162-050	1-3/8	1-5/8	1/2
612-175-025	1-1/2	1-3/4	1/4
612-175-037	1-1/2	1-3/4	3/8
612-175-050	1-1/2	1-3/4	1/2
612-175-075	1-1/2	1-3/4	3/4
612-175-100	1-1/2	1-3/4	1
612-187-050	1-5/8	1-7/8	1/2
612-187-075	1-5/8	1-7/8	3/4
612-200-016	1-3/4	2	.16
612-200-025-SC	1-3/4	2	1/4
612-200-037-SC	1-3/4	2	3/8
612-200-050-SC	1-3/4	2	1/2
612-200-050-ST	1-3/4	2	1/2
612R-200-050P	1-3/4	2	1/2
612-200-062	1-3/4	2	5/8
612-200-075	1-3/4	2	3/4
612-200-100	1-3/4	2	1
612-200-100P-SC	1-3/4	2	1
612-200-150	1-3/4	2	1-1/2
612-212-037	1-7/8	2-1/8	3/8
612-212-050	1-7/8	2-1/8	1/2
612-212-075	1-7/8	2-1/8	3/4
612-218-026	1.937	2.187	.26
612-218-050	1.937	2.187	1/2
612-225-025	2	2-1/4	1/4
612-225-031	2	2-1/4	5/16
612-225-037	2	2-1/4	3/8
612-225-050	2	2-1/4	1/2
612-225-050-SC	2	2-1/4	1/2
612-225-062	2	2-1/4	5/8
612-225-075	2	2-1/4	3/4
612-225-075-SC	2	2-1/4	3/4
612-225-087-SC	2	2-1/4	7/8
612-225-100	2	2-1/4	1
612-225-100-SC	2	2-1/4	1
612-250-100P	2	2-1/4	1
612-225-125P	2	2-1/4	1-1/4
612-237-025	2-1/8	2-3/8	1/4
612-237-050	2-1/8	2-3/8	1/2
612-237-075	2-1/8	2-3/8	3/4
612-250-016P	2-1/4	2-1/2	.16
612-250-018	2-1/4	2-1/2	3/16
612-250-025	2-1/4	2-1/2	1/4
612-250-031	2-1/4	2-1/2	5/16

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-250-037-SC	2-1/4	2-1/2	3/8
612-250-050-SC	2-1/4	2-1/2	1/2
612-250-050-ST	2-1/4	2-1/2	1/2
612-250-062	2-1/4	2-1/2	5/8
612-250-074-SC	2-1/4	2-1/2	.74
612-250-075	2-1/4	2-1/2	3/4
612-250-087	2-1/4	2-1/2	7/8
612-250-098-SL	2	2-1/2	.98
612-250-100	2-1/4	2-1/2	1
612-250-100-ST	2-1/4	2-1/2	1
612-262-050	2-3/8	2-5/8	1/2
612-262-062	2-3/8	2-5/8	5/8
612-262-075	2-3/8	2-5/8	3/4
612-262-100	2-3/8	2-5/8	1
612-275-025	2-1/2	2-3/4	1/4
612-275-031	2-1/2	2-3/4	5/16
612-275-031P	2-1/2	2-3/4	5/16
612-275-037-SC	2-1/2	2-3/4	3/8
612-275-050-SC	2-1/2	2-3/4	1/2
612-275-062	2-1/2	2-3/4	5/8
612-275-062-SC	2-1/2	2-3/4	5/8
612-275-075	2-1/2	2-3/4	3/4
612-275-093-SC	2-1/2	2-3/4	15/16
612-275-099-SL	2-1/2	2-3/4	.99
612-275-100	2-1/2	2-3/4	1
612-275-100-ST	2-1/2	2-3/4	1
612-275-100P-SC	2-1/2	2-3/4	1
612-275-150	2-1/2	2-3/4	1-1/2
612-275-150P	2-1/2	2-3/4	1-1/2
612-275-200P-SC	2-1/2	2-3/4	2
612-287-050	2-5/8	2-7/8	1/2
612-287-075	2-5/8	2-7/8	3/4
612-287-087	2-5/8	2-7/8	7/8
612-287-100	2-5/8	2-7/8	1
612-300-016P	2-3/4	3	.16
612-300-025	2-3/4	3	1/4
612-300-031	2-3/4	3	5/16
612-300-037-SC	2-3/4	3	3/8
612P-300-037P	2-3/4	3	3/8
612-300-050-SC	2-3/4	3	1/2
612-300-050-ST	2-3/4	3	1/2
612-300-050P	2-3/4	3	1/2
612-300-050P-SC	2-3/4	3	1/2
612-300-062	2-3/4	3	5/8
612-300-075-SC	2-3/4	3	3/4
612-300-075-SL	2-3/4	3	3/4
612-300-099-SC	2-3/4	3	63/64
612-300-100-SC	2-3/4	3	1
612-300-124-SC	2-3/4	3	1.24
612-306-025	2.812	3.062	1/4
612-312-050	2-7/8	3-1/8	1/2
612-312-100	2-7/8	3-1/8	1
612-325-025	3	3-1/4	1/4
612-325-031	3	3-1/4	5/16
612-325-037-SC	3	3-1/4	3/8
612-325-050-SC	3	3-1/4	1/2
612-325-062	3	3-1/4	5/8
612-325-075-SC	3	3-1/4	3/4

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-325-100	3	3-1/4	1
612-325-100-SC	3	3-1/4	1
612-325-111	3	3-1/4	1-7/64
612-325-125	3	3-1/4	1-1/4
612-325-150-ST	3	3-1/4	1-1/2
612-325-150P	3	3-1/4	1-1/2
612-325-155	3	3-1/4	1.55
612-325-162-SC	3	3-1/4	1-5/8
612-325-200	3	3-1/4	2
612-325-200P-SC	3	3-1/4	2
612-325-212-SC	3	3-1/4	2-1/8
612-337-075	3-1/8	3-3/8	3/4
612-350-016P	3-1/4	3-1/2	.16
612-350-025	3-1/4	3-1/2	1/4
612-350-037-SC	3-1/4	3-1/2	3/8
612-350-043	3-1/4	3-1/2	7/16
612-350-050-SC	3-1/4	3-1/2	1/2
612-350-062	3-1/4	3-1/2	5/8
612-350-062-ST	3-1/4	3-1/2	5/8
612-350-075	3-1/4	3-1/2	3/4
612-350-075P	3-1/4	3-1/2	3/4
612-350-087	3-1/4	3-1/2	7/8
612-350-100-SC	3-1/4	3-1/2	1
612-350-100-SL	3-1/4	3-1/2	1
612-350-100-ST	3-1/4	3-1/2	1
612-350-112-SC	3-1/4	3-1/2	1-1/8
612-350-150	3-1/4	3-1/2	1-1/2
612-362-050	3-3/8	3-5/8	1/2
612-362-062	3-3/8	3-5/8	5/8
612-362-075	3-3/8	3-5/8	3/4
612-362-100	3-3/8	3-5/8	1
612-375-037-SC	3-1/2	3-3/4	3/8
612-375-050-SC	3-1/2	3-3/4	1/2
612-375-050-ST	3-1/2	3-3/4	1/2
612-375-050P-SC	3-1/2	3-3/4	1/2
612-375-062	3-1/2	3-3/4	5/8
612-375-075	3-1/2	3-3/4	3/4
612-375-100-SC	3-1/2	3-3/4	1
612-375-100P-SC	3-1/2	3-3/4	1
612-375-124-SC	3-1/2	3-3/4	1.24
612-375-125	3-1/2	3-3/4	1-1/4
612-375-149	3-1/2	3-3/4	1.49
612-375-199	3-1/2	3-3/4	1.99
612-387-025	3-5/8	3-7/8	1/4
612-387-100	3-5/8	3-7/8	1
612-387-100-SC	3-5/8	3-7/8	1
612-400-031	3-3/4	4	5/16
612-400-037-SC	3-3/4	4	3/8
612-400-050-SC	3-3/4	4	1/2
612-400-050-ST	3-3/4	4	1/2
612-400-062	3-3/4	4	5/8
612-400-062-ST	3-3/4	4	5/8
612-400-070	3-3/4	4	.7
612-400-075-SC	3-3/4	4	3/4
612-400-087	3-3/4	4	7/8
612-400-099-SC	3-3/4	4	.99
612-400-100	3-3/4	4	1
612-400-100-SL	3-3/4	4	1

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-400-100P-SC	3-3/4	4	1
612-400-124-SC	3-3/4	4	1.24
612-400-125	3-3/4	4	1-1/4
612-400-150	3-3/4	4	1-1/2
612-412-042	3-7/8	4-1/8	.42
612-412-100	3-7/8	4-1/8	1
612-425-025	4	4-1/4	1/4
612-425-037	4	4-1/4	3/8
612-425-050-SC	4	4-1/4	1/2
612-425-062	4	4-1/4	5/8
612-425-075-SC	4	4-1/4	3/4
612-425-087P	4	4-1/4	7/8
612-425-099-SC	4	4-1/4	.99
612-425-100-SC	4	4-1/4	1
612-425-100P	4	4-1/4	1
612-425-124-SC	4	4-1/4	1.24
612-425-125	4	4-1/4	1-1/4
612-425-125-SC	4	4-1/4	1-1/4
612-425-149-SC	4	4-1/4	1.49
612-425-150P	4	4-1/4	1-1/2
612-425-350	4	4-1/4	3-1/2
612-426-249-SC	4.01	4.26	2-31/64
612-437-050-SC	4-1/8	4-3/8	1/2
612-440-062	4.15	4.4	5/8
612-450-037-SC	4-1/4	4-1/2	3/8
612-450-050-SC	4-1/4	4-1/2	1/2
612-450-050P	4-1/4	4-1/2	1/2
612-450-062	4-1/4	4-1/2	5/8
612-450-075	4-1/4	4-1/2	3/4
612-450-075-SC	4-1/4	4-1/2	3/4
612-450-087	4-1/4	4-1/2	7/8
612-450-099-SC	4-1/4	4-1/2	63/64
612-450-100-SC	4-1/4	4-1/2	1
612-450-100-SL	4-1/4	4-1/2	1
612-450-093-SC	4-1/4	4-1/2	1-5/16
612-450-149-SC	4-1/4	4-1/2	1.49
612-450-150	4-1/4	4-1/2	1-1/2
612-450-186	4-1/4	4-1/2	1-55/64
612-450-236	4-1/4	4-1/2	2-23/64
612-450-350	4-1/4	4-1/2	3-1/2
612-475-050	4-1/2	4-3/4	1/2
612-475-075-SC	4-1/2	4-3/4	3/4
612-475-099-SC	4-1/2	4-3/4	63/64
612-475-100-SC	4-1/2	4-3/4	1
612-475-124-SC	4-1/2	4-3/4	1.24
612-475-125-SC	4-1/2	4-3/4	1-1/4
612-475-150	4-1/2	4-3/4	1-1/2
612-475-156	4-1/2	4-3/4	1-9/16
612-475-164-SC	4-1/2	4-3/4	1.645
612-475-199	4-1/2	4-3/4	1.99
612-475-200	4-1/2	4-3/4	2
612-475-350	4-1/2	4-3/4	3-1/2
612-487-075	4-5/8	4-7/8	3/4
612-500-037	4-3/4	5	3/8
612-500-050-SC	4-3/4	5	1/2
612-500-062	4-3/4	5	.622
612-500-075-SC	4-3/4	5	3/4
612-500-100-SC	4-3/4	5	1

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-500-111-SC	4-3/4	5	1-7/64
612-500-112	4-3/4	5	1-1/8
612-500-124	4-3/4	5	1.24
612-500-155-SC	4-3/4	5	1.545
612-500-175	4-3/4	5	1-3/4
612-512-156	4-7/8	5-1/8	1-9/16
612-512-156-SC	4-7/8	5-1/8	1-9/16
612-525-050	5	5-1/4	1/2
612-525-062	5	5-1/4	5/8
612-525-075-SC	5	5-1/4	3/4
612-525-100	5	5-1/4	1
612-525-102-SC	5	5-1/4	1-1/64
612-525-125	5	5-1/4	1-1/4
612-525-125-SC	5	5-1/4	1-1/4
612-525-149	5	5-1/4	1.49
612-525-200P-SC	5	5-1/4	2
612-525-361-SC	5	5-1/4	3.6125
612-537-100-SC	5-1/8	5-3/8	1-1/64
612-550-025	5-1/4	5-1/2	1/4
612-550-037	5-1/4	5-1/2	3/8
612-550-050-SC	5-1/4	5-1/2	1/2
612-550-050-ST	5-1/4	5-1/2	1/2
612-550-050P	5-1/4	5-1/2	1/2
612-550-062	5-1/4	5-1/2	5/8
612-550-075-SC	5-1/4	5-1/2	3/4
612-550-100-SC	5-1/4	5-1/2	1
612-550-125	5-1/4	5-1/2	1-1/4
612-550-137	5-1/4	5-1/2	1-3/8
612-550-161	5-1/4	5-1/2	1-39/64
612-550-175-SC	5-1/4	5-1/2	1.74
612-550-199	5-1/4	5-1/2	1.99
612-550-224-SC	5-1/4	5-1/2	2-15/64
612-575-050-SC	5-1/2	5-3/4	1/2
612-575-062	5-1/2	5-3/4	5/8
612-575-075	5-1/2	5-3/4	3/4
612-575-100-SC	5-1/2	5-3/4	1
612-575-150	5-1/2	5-3/4	1-1/2
612-575-161-SC	5-1/2	5-3/4	1-39/64
612-575-175	5-1/2	5-3/4	1-3/4
612-575-199	5-1/2	5-3/4	1.99
612-575-236	5-1/2	5-3/4	2.368
612-600-037	5-3/4	6	3/8
612-600-050-SC	5-3/4	6	1/2
612-600-050P-SC	5-3/4	6	1/2
612-600-062	5-3/4	6	5/8
612-600-062-SC	5-3/4	6	5/8
612-600-075-SC	5-3/4	6	3/4
612-600-087	5-3/4	6	7/8
612-600-100-SC	5-3/4	6	1
612-600-107	5-3/4	6	1-1/16
612-600-124-SC	5-3/4	6	1-15/64
612-600-125	5-3/4	6	1-15/64
612-600-131-SC	5-3/4	6	1-5/16
612-600-150	5-3/4	6	1-1/2
612-600-150-ST	5-3/4	6	1-1/2
612-600-174-SC	5-3/4	6	1.74
612-600-200	5-3/4	6	2
612-600-286	5-3/4	6	2-55/64

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-625-050	6	6-1/4	1/2
612-625-062	6	6-1/4	5/8
612-625-075	6	6-1/4	3/4
612-625-100	6	6-1/4	1
612-625-149-SC	6	6-1/4	1.49
612-625-150	6	6-1/4	1-1/2
612-625-174-SC	6	6-1/4	1.74
612-625-200	6	6-1/4	2
612-625-200P-SC	6	6-1/4	2
612-625-274-SC	6	6-1/4	2.74
612-650-037	6-1/4	6-1/2	3/8
612-650-050-SC	6-1/4	6-1/2	1/2
612-650-062	6-1/4	6-1/2	.622
612-650-075	6-1/4	6-1/2	3/4
612-650-100-SC	6-1/4	6-1/2	1
612-650-125	6-1/4	6-1/2	1-1/4
612-650-137	6-1/4	6-1/2	1-3/8
612-650-149-SC	6-1/4	6-1/2	1.49
612-650-150-ST	6-1/4	6-1/2	1-1/2
612-650-174	6-1/4	6-1/2	1.74
612-650-199-SC	6-1/4	6-1/2	1.99
612-650-200	6-1/4	6-1/2	2
612-650-274-SC	6-1/4	6-1/2	2.74
612-650-286	6-1/4	6-1/2	2-55/64
612-650-348-SC	6-1/4	6-1/2	3-31/64
612-675-050	6-1/2	6-3/4	1/2
612-675-075	6-1/2	6-3/4	3/4
612-675-100	6-1/2	6-3/4	1
612-675-150P	6-1/2	6-3/4	1-1/2
612-676-125P-SC	6.506	6.756	1-1/4
612-700-050-SC	6-3/4	7	1/2
612-700-062	6-3/4	7	5/8
612-700-062-SC	6-3/4	7	5/8
612-700-075-SC	6-3/4	7	3/4
612-700-100-SC	6-3/4	7	1
612-700-068	6-3/4	7	1-1/16
612-700-149-ST	6-3/4	7	1-31/64
612-700-150-SC	6-3/4	7	1-1/2
612-700-174	6-3/4	7	1.74
612-700-199-SC	6-3/4	7	1.99
612-700-200	6-3/4	7	2
612-700-236-SC	6-3/4	7	2-23/64
612-700-300	6-3/4	7	3
612-700-312	6-3/4	7	3-7/64
612-725-050	7	7-1/4	1/2
612-725-062	7	7-1/4	5/8
612-725-075	7	7-1/4	3/4
612-725-100-SC	7	7-1/4	1
612-725-138	7	7-1/4	1-3/8
612-725-199-SC	7	7-1/4	1.99
612-725-200	7	7-1/4	2
612-725-200P-SC	7	7-1/4	2
612-725-710	7	7-1/4	7.1
612-750-050	7-1/4	7-1/2	1/2
612-750-062	7-1/4	7-1/2	5/8
612-750-075	7-1/4	7-1/2	3/4
612-750-100	7-1/4	7-1/2	1
612-750-149-SC	7-1/4	7-1/2	1.49

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-750-200	7-1/4	7-1/2	2
612-750-236	7-1/4	7-1/2	2-23/64
612-750-249-SC	7-1/4	7-1/2	2.49
612-750-295	7-1/4	7-1/2	2.935
612-775-050	7-1/2	7-3/4	1/2
612-775-100	7-1/2	7-3/4	1
612-775-199	7-1/2	7-3/4	1.99
612-775-350	7-1/2	7-3/4	3-1/2
612-787-100	7-5/8	7-7/8	1
612-800-050-SC	7-3/4	8	1/2
612-800-062	7-3/4	8	5/8
612-800-075-SC	7-3/4	8	3/4
612-800-087	7-3/4	8	7/8
612-800-100-SC	7-3/4	8	1
612-800-146-ST	7-3/4	8	1.46
612-800-200	7-3/4	8	2
612-800-225-SC	7-3/4	8	2.244
612-800-500	7-3/4	8	5
612-825-075	8	8-1/4	3/4
612-825-100-SC	8	8-1/4	1
612-825-125	8	8-1/4	1-1/4
612-825-174-SC	8	8-1/4	1.74
612-825-212-SC	8	8-1/4	2-1/8
612-825-224-SC	8	8-1/4	2-15/64
612-825-249	8	8-1/4	2.485
612-825-274	8	8-1/4	2.74
612-825-411-SC	8	8-1/4	4-7/64
612-850-050	8-1/4	8-1/2	1/2
612-850-062	8-1/4	8-1/2	5/8
612-850-075	8-1/4	8-1/2	3/4
612-850-100	8-1/4	8-1/2	1
612-850-117-SC	8-1/4	8-1/2	1.174
612-850-150-ST	8-1/4	8-1/2	1-1/2
612-850-200	8-1/4	8-1/2	2
612-850-236	8-1/4	8-1/2	2-23/64
612-850-237	8-1/4	8-1/2	2-3/8
612-850-300	8-1/4	8-1/2	3
612-862-050	8-3/8	8-5/8	1/2
612-862-100	8-3/8	8-5/8	1
612-875-100	8-1/2	8-3/4	1
612-900-050	8-3/4	9	1/2
612-900-062	8-3/4	9	5/8
612-900-075	8-3/4	9	3/4
612-900-075-SC	8-3/4	9	3/4
612-900-100	8-3/4	9	1
612-900-150-SC	8-3/4	9	1-1/2
612-900-200	8-3/4	9	2
612-900-293-SC	8-3/4	9	2.946
612-912-100	8-7/8	9-1/8	1
612-925-100-SC	9	9-1/4	1
612-925-101-SC	8.994	9-1/4	1-1/64
612-925-150-SC	9	9-1/4	1-1/2
612-925-225	9	9-1/4	2-1/4
612-950-050	9-1/4	9-1/2	1/2
612-950-062	9-1/4	9-1/2	5/8
612-950-075	9-1/4	9-1/2	3/4
612-950-100	9-1/4	9-1/2	1
612-950-125	9-1/4	9-1/2	1-1/4

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
612-962-150P-SC	9-3/8	9-5/8	1-1/2
612-975-050	9-1/2	9-3/4	1/2
612-975-075	9-1/2	9-3/4	3/4
612-987-050	9-5/8	9-7/8	1/2
612-1000-025	9-3/4	10	1/4
612-1000-050-SC	9-3/4	10	1/2
612-1000-062	9-3/4	10	5/8
612-1000-075-SC	9-3/4	10	3/4
612-1000-100-SC	9-3/4	10	1
612-1000-125	9-3/4	10	1-1/4
612-1000-149-SC	9-3/4	10	1.485
612-1000-150	9-3/4	10	1-1/2
612-1000-175	9-3/4	10	1-3/4
612-1000-274-SC	9-3/4	10	2.74
612-1000-324-SC	9-3/4	10	3.24
612-1025-075	10	10-1/4	3/4
612-1025-100	10	10-1/4	1
612-1025-125-SC	10	10-1/4	1-1/4
612-1050-050	10-1/4	10-1/2	1/2
612-1050-100	10-1/4	10-1/2	1
612-1050-125	10-1/4	10-1/2	1-1/4
612-1050-150-ST	10-1/4	10-1/2	1-1/2
612-1050-274	10-1/4	10-1/2	2-47/64
612-1050-374-SC	10-1/4	10-1/2	3.74
612-1050-375	10-1/4	10-1/2	3-3/4
612-1050-400	10-1/4	10-1/2	4
612-1100-050	10-3/4	11	1/2
612-1100-100	10-3/4	11	1
612-1100-125	10-3/4	11	1-1/4
612-1100-162	10-3/4	11	1-5/8
612-1100-187	10-3/4	11	1-7/8
612-1100-323-SC	10-3/4	11	3.235
612-1125-125	11	11-1/4	1-1/4
612-1150-075	11-1/4	11-1/2	3/4
612-1150-125	11-1/4	11-1/2	1-1/4
612-1150-387	11-1/4	11-1/2	3-7/8
612-1200-050	11-3/4	12	1/2
612-1200-100P	11-3/4	12	1
612-1200-125	11-3/4	12	1-1/4
612-1200-150	11-3/4	12	1-1/2
612-1200-200	11-3/4	12	2
612-1225-100	12	12-1/4	1
612-1225-125	12	12-1/4	1-1/4
612-1250-075	12-1/4	12-1/2	3/4
612-1250-399-SC	12-1/4	12-1/2	3.987
612-1275-399-SC	12-1/2	12-3/4	3.987
612-1300-150	12-3/4	13	1-1/2
612-1325-100	13	13-1/4	1
612-1350-075	13-1/4	13-1/2	3/4
612-1375-399-SC	13-1/2	13-3/4	4
612-1400-050	13-3/4	14	1/2
612-1400-100-SC	13-3/4	14	1
612-1400-125	13-3/4	14	1-1/4
612-1400-150	13-3/4	14	1-1/2
612-1425-399-SC	14	14-1/4	3.993
612-1600-050	15-3/4	16	1/2
612-1600-100-SC	15-3/4	16	1
612-1600-150	15-3/4	16	1-1/2

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
3/16" C/S			
616-2203-062	1.825	2.2	5/8
616-2623-062	2-1/4	2-5/8	5/8
616-2873-062	2-1/2	2-7/8	5/8
616-3003-050	2-5/8	3	1/2
616-3003-075	2-5/8	3	3/4
616-3003-087	2-5/8	3	7/8
616-3063-062	2-11/16	3-1/16	5/8
616-3123-100	2-3/4	3-1/8	1
616-3123-125	2-3/4	3-1/8	1-1/4
616-3253-062	2-7/8	3-1/4	5/8
616-3373-125	3	3-3/8	1-1/4
616-3503-050	3-1/8	3-1/2	1/2
616-3503-075	3-1/8	3-1/2	3/4
616-3503-100	3-1/8	3-1/2	1
616-3623-125	3-1/4	3-5/8	1-1/4
616-3753-100	3-3/8	3-3/4	1
616-3873-125	3-1/2	3-7/8	1-1/4
616-3873-175	3-1/2	3-7/8	1-3/4
616-3873-262	3-1/2	3-7/8	2-5/8
616-4003-050	3-5/8	4	1/2
616-4003-087	3-5/8	4	7/8
616-4003-100	3-5/8	4	1
616-4123-100	3-3/4	4-1/8	1
616-4253-075	3-7/8	4-1/4	3/4
616-4373-150	4	4-3/8	1-1/2
616-4373-175	4	4-3/8	1-3/4
616-4503-050	4-1/8	4-1/2	1/2
616-4503-100	4-1/8	4-1/2	1
616-4875-150	4-1/2	4-7/8	1-1/2
616-4875-225	4-1/2	4-7/8	2-1/4
616-5003-087	4-5/8	5	7/8
616-5003-100	4-5/8	5	1
616-5003-150	4-5/8	5	1-1/2
616-5123-075	4-3/4	5-1/8	3/4
616-5503-050-SC	5-1/8	5-1/2	1/2
616-5503-087	5-1/8	5-1/2	7/8
616-5503-100	5-1/8	5-1/2	1
616-5503-125-SC	5-1/8	5-1/2	1-1/4
616-5503-150	5-1/8	5-1/2	1-1/2
616-5503-174	5-1/8	5-1/2	1.74
616-5753-100	5-3/8	5-3/4	1
616-6003-062	5-5/8	6	5/8
616-6003-087	5-5/8	6	7/8
616-6003-100	5-5/8	6	1
616-6003-125	5-5/8	6	1-1/4
616-6003-274	5-5/8	6	2.74
616-6123-075	5-3/4	6-1/8	3/4
616-6123-095	5-3/4	6-1/8	61/64
616-6503-075	6-1/8	6-1/2	3/4
616-6503-150	6-1/8	6-1/2	1-1/2
616-6753-100	6-3/8	6-3/4	1
616-7003-125	6-5/8	7	1-1/4
616-7123-087	6-3/4	7-1/8	7/8
616-7123-100	6-3/4	7-1/8	1
616-7253-100	6-7/8	7-1/4	1
616-7253-306	6-7/8	7-1/4	3-1/16

STYLE 600 NYLON WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
616-7373-161	7	7.374	1.61
616-7373-738	7	7-3/8	7-3/8
616-8003-050	7-5/8	8	1/2
616-8003-150	7-5/8	8	1-1/2
616-8003-275	7-5/8	8	2-3/4
616-8253-199	7-7/8	8-1/4	1.99
616-8253-274	7-7/8	8-1/4	2.74
616-8503-100	8-1/8	8-1/2	1
616-9503-193	9-1/8	9-1/2	1-59/64
616-9875-050	9-1/2	9-7/8	1/2
616-10003-125	9-5/8	10	1-1/4
616-10003-150	9-5/8	10	1-1/2
616-11375-261-SC	11	11-3/8	2-39/64
616-11375-1097-SC	11	11-3/8	11
616-12003-250	11-5/8	12	2-1/2
616-12253-400	11-7/8	12-1/4	4
616-12503-200-SC	12-1/8	12-1/2	2
616-12873-289	12-1/2	12-7/8	2-57/64
616-12875-1218-SC	12-1/2	12-7/8	12-3/16
616-13125-785-SC	12-3/4	13-1/8	7-55/64
616-13875-236-SC	13-1/2	13-7/8	2-23/64
616-13875-999-SC	13-1/2	13-7/8	10
616-14003-100	13-5/8	14	1
616-15125-769-SC	14-3/4	15-1/8	7-11/16
616-16003-200-SC	12-1/4	16	2
616-16125-769-SC	15-3/4	16-1/8	7-11/16
1/4" C/S			
625-650-349	6	6-1/2	3.485
625-825-350	7-3/4	8-1/4	3.485

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

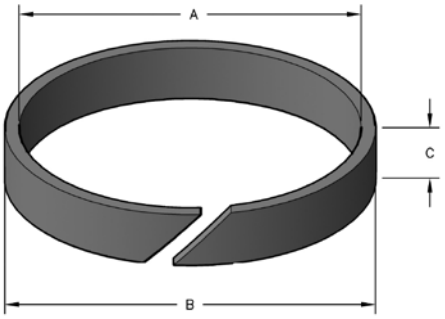
OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE PB POWERBANDS™ 1/8" THICK

Manufactured from a highly engineered blend of premium nylon, glass fiber, and PTFE, Powerbands™ offer a high strength wear-ring for all cylinder applications, including those with minimal lubrication. And, with a Coefficient of Friction nearly 50% lower than our standard product, your cylinders will run smoother and more efficiently than ever.

All Powerbands™ are fully machined with cross-section tolerances of only ±0.001", chamfered corners, and scarf or angle-cut end gaps. Compared to standard tolerances of ±0.0025", this tightened tolerance improves the alignment and concentric operation of cylinder rods and pistons. The fully machined chamfered corners will better accommodate cylinder housing grooves, further improving piston and rod alignment. Lastly, the scarf-cut end gap reduces the loss of bearing support that may occur during cylinder side-loading. When combined, these features reduce the tolerance stack-up within the components of the cylinder. As a result, your cylinders will operate more consistently and be capable of operating at higher pressures and higher side loads than with standard wear-ring products. Furthermore, with this improved cylinder operation, your seals will last longer and the life of your cylinder will be extended. Powerbands™ are currently available in our most popular wear-ring dimensions, as shown here. If you do not see your size or would like more information on this innovative product, please contact your Sales Representative.



PART NUMBERS

PB12 - 100 - 037 - SC

Prefix — Outside Diameter — Height

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +275° F
TENSILE STRENGTH	20,000 PSI
FLEXURAL STRENGTH	34,000 PSI
COMPRESSIVE STRENGTH	20,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
PB12-100-037-SC	3/4	1	3/8
PB12-112-037-SC	7/8	1-1/8	3/8
PB12-125-037-SC	1	1-1/4	3/8
PB12-125-050-SC	1	1-1/4	1/2
PB12-137-050-SC	1-1/8	1-3/8	1/2
PB12-150-025-SC	1-1/4	1-1/2	1/4
PB12-150-037-SC	1-1/4	1-1/2	3/8
PB12-150-050-SC	1-1/4	1-1/2	1/2
PB12-162-037-SC	1-3/8	1-5/8	3/8
PB12-162-050-SC	1-3/8	1-5/8	1/2
PB12-175-025-SC	1-1/2	1-3/4	1/4
PB12-175-037-SC	1-1/2	1-3/4	3/8
PB12-175-050-SC	1-1/2	1-3/4	1/2
PB12-175-075-SC	1-1/2	1-3/4	3/4
PB12-175-100-SC	1-1/2	1-3/4	1
PB12-187-050-SC	1-5/8	1-7/8	1/2
PB12-200-025-SC	1-3/4	2	1/4
PB12-200-037-SC	1-3/4	2	3/8
PB12-200-050-SC	1-3/4	2	1/2
PB12-200-062-SC	1-3/4	2	5/8
PB12-200-075-SC	1-3/4	2	3/4
PB12-200-100-SC	1-3/4	2	1

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
PB12-212-050-SC	1-7/8	2-1/8	1/2
PB12-212-075-SC	1-7/8	2-1/8	3/4
PB12-225-025-SC	2	2-1/4	1/4
PB12-225-037-SC	2	2-1/4	3/8
PB12-225-050-SC	2	2-1/4	1/2
PB12-225-062-SC	2	2-1/4	5/8
PB12-225-075-SC	2	2-1/4	3/4
PB12-225-100-SC	2	2-1/4	1
PB12-237-075-SC	2-1/8	2-3/8	3/4
PB12-250-025-SC	2-1/4	2-1/2	1/4
PB12-250-031-SC	2-1/4	2-1/2	5/16
PB12-250-037-SC	2-1/4	2-1/2	3/8
PB12-250-050-SC	2-1/4	2-1/2	1/2
PB12-250-062-SC	2-1/4	2-1/2	5/8
PB12-250-075-SC	2-1/4	2-1/2	3/4
PB12-250-100-SC	2-1/4	2-1/2	1
PB12-262-075-SC	2-3/8	2-5/8	3/4
PB12-275-037-SC	2-1/2	2-3/4	3/8
PB12-275-050-SC	2-1/2	2-3/4	1/2
PB12-275-062-SC	2-1/2	2-3/4	5/8
PB12-275-075-SC	2-1/2	2-3/4	3/4
PB12-275-100-SC	2-1/2	2-3/4	1

STYLE PB POWERBANDS™ 1/8" THICK

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
PB12-275-150-SC	2-1/2	2-3/4	1-1/2
PB12-287-050-SC	2-5/8	2-7/8	1/2
PB12-300-025-SC	2-3/4	3	1/4
PB12-300-037-SC	2-3/4	3	3/8
PB12-300-050-SC	2-3/4	3	1/2
PB12-300-062-SC	2-3/4	3	5/8
PB12-300-075-SC	2-3/4	3	3/4
PB12-300-100-SC	2-3/4	3	1
PB12-325-025-SC	3	3-1/4	1/4
PB12-325-037-SC	3	3-1/4	3/8
PB12-325-050-SC	3	3-1/4	1/2
PB12-325-062-SC	3	3-1/4	5/8
PB12-325-075-SC	3	3-1/4	3/4
PB12-325-100-SC	3	3-1/4	1
PB12-325-125-SC	3	3-1/4	1-1/4
PB12-325-150-SC	3	3-1/4	1-1/2
PB12-350-025-SC	3-1/4	3-1/2	1/4
PB12-350-037-SC	3-1/4	3-1/2	3/8
PB12-350-050-SC	3-1/4	3-1/2	1/2
PB12-350-062-SC	3-1/4	3-1/2	5/8
PB12-350-075-SC	3-1/4	3-1/2	3/4
PB12-350-100-SC	3-1/4	3-1/2	1
PB12-350-112-SC	3-1/4	3-1/2	1-1/8
PB12-350-150-SC	3-1/4	3-1/2	1-1/2
PB12-362-075-SC	3-3/8	3-5/8	3/4
PB12-375-037-SC	3-1/2	3-3/4	3/8
PB12-375-050-SC	3-1/2	3-3/4	1/2
PB12-375-062-SC	3-1/2	3-3/4	5/8
PB12-375-075-SC	3-1/2	3-3/4	3/4
PB12-375-100-SC	3-1/2	3-3/4	1
PB12-375-125-SC	3-1/2	3-3/4	1-1/4
PB12-387-025-SC	3-5/8	3-7/8	1/4
PB12-387-100-SC	3-5/8	3-7/8	1
PB12-400-025-SC	3-3/4	4	1/4
PB12-400-031-SC	3-3/4	4	5/16
PB12-400-037-SC	3-3/4	4	3/8
PB12-400-050-SC	3-3/4	4	1/2
PB12-400-062-SC	3-3/4	4	5/8
PB12-400-075-SC	3-3/4	4	3/4
PB12-400-087-SC	3-3/4	4	7/8
PB12-400-100-SC	3-3/4	4	1
PB12-400-125-SC	3-3/4	4	1-1/4
PB12-412-050-SC	3-7/8	4-1/8	1/2
PB12-425-025-SC	4	4-1/4	1/4
PB12-425-037-SC	4	4-1/4	3/8
PB12-425-050-SC	4	4-1/4	1/2
PB12-425-062-SC	4	4-1/4	5/8
PB12-425-075-SC	4	4-1/4	3/4
PB12-425-100-SC	4	4-1/4	1
PB12-425-125-SC	4	4-1/4	1-1/4
PB12-425-150-SC	4	4-1/4	1-1/2
PB12-450-037-SC	4-1/4	4-1/2	3/8
PB12-450-050-SC	4-1/4	4-1/2	1/2
PB12-450-062-SC	4-1/4	4-1/2	5/8
PB12-450-075-SC	4-1/4	4-1/2	3/4
PB12-450-100-SC	4-1/4	4-1/2	1
PB12-450-150-SC	4-1/4	4-1/2	1-1/2
PB12-475-025-SC	4-1/2	4-3/4	1/4

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
PB12-475-050-SC	4-1/2	4-3/4	1/2
PB12-475-062-SC	4-1/2	4-3/4	5/8
PB12-475-075-SC	4-1/2	4-3/4	3/4
PB12-475-100-SC	4-1/2	4-3/4	1
PB12-475-150-SC	4-1/2	4-3/4	1-1/2
PB12-500-037-SC	4-3/4	5	3/8
PB12-500-050-SC	4-3/4	5	1/2
PB12-500-062-SC	4-3/4	5	5/8
PB12-500-075-SC	4-3/4	5	3/4
PB12-500-100-SC	4-3/4	5	1
PB12-525-050-SC	5	5-1/4	1/2
PB12-525-062-SC	5	5-1/4	5/8
PB12-525-075-SC	5	5-1/4	3/4
PB12-525-100-SC	5	5-1/4	1
PB12-550-037-SC	5-1/4	5-1/2	3/8
PB12-550-050-SC	5-1/4	5-1/2	1/2
PB12-550-062-SC	5-1/4	5-1/2	5/8
PB12-550-075-SC	5-1/4	5-1/2	3/4
PB12-550-100-SC	5-1/4	5-1/2	1
PB12-550-125-SC	5-1/4	5-1/2	1-1/4
PB12-575-037-BC	5-1/2	5-3/4	3/8
PB12-575-050-SC	5-1/2	5-3/4	1/2
PB12-575-062-SC	5-1/2	5-3/4	5/8
PB12-575-075-SC	5-1/2	5-3/4	3/4
PB12-575-100-SC	5-1/2	5-3/4	1
PB12-600-037-SC	5-3/4	6	3/8
PB12-600-050-SC	5-3/4	6	1/2
PB12-600-062-SC	5-3/4	6	5/8
PB12-600-075-SC	5-3/4	6	3/4
PB12-600-100-SC	5-3/4	6	1
PB12-600-125-SC	5-3/4	6	1-1/4
PB12-600-150-SC	5-3/4	6	1-1/2
PB12-625-050-SC	6	6-1/4	1/2
PB12-625-062-SC	6	6-1/4	5/8
PB12-625-075-SC	6	6-1/4	3/4
PB12-625-100-SC	6	6-1/4	1
PB12-625-150-SC	6	6-1/4	1-1/2
PB12-650-050-SC	6-1/4	6-1/2	1/2
PB12-650-062-SC	6-1/4	6-1/2	5/8
PB12-650-075-SC	6-1/4	6-1/2	3/4
PB12-650-100-SC	6-1/4	6-1/2	1
PB12-650-150-SC	6-1/4	6-1/2	1-1/2
PB12-675-100-SC	6-1/2	6-3/4	1
PB12-700-050-SC	6-3/4	7	1/2
PB12-700-062-SC	6-3/4	7	5/8
PB12-700-075-SC	6-3/4	7	3/4
PB12-700-100-SC	6-3/4	7	1
PB12-700-150-SC	6-3/4	7	1-1/2
PB12-725-100-SC	7	7-1/4	1
PB12-750-050-SC	7-1/4	7-1/2	1/2
PB12-750-062-SC	7-1/4	7-1/2	5/8
PB12-750-075-SC	7-1/4	7-1/2	3/4
PB12-750-100-SC	7-1/4	7-1/2	1
PB12-800-050-SC	7-3/4	8	1/2
PB12-800-062-SC	7-3/4	8	5/8
PB12-800-075-SC	7-3/4	8	3/4
PB12-800-100-SC	7-3/4	8	1
PB12-825-100-SC	8	8-1/4	1

Seal color may vary. Special order sizes are available.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

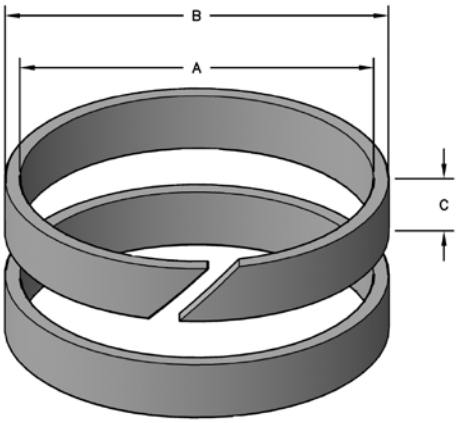
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE PB POWERBANDS™ 1/8" THICK

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
PB12-850-050-SC	8-1/4	8-1/2	1/2
PB12-850-100-SC	8-1/4	8-1/2	1
PB12-875-100-SC	8-1/2	8-3/4	1
PB12-900-075-SC	8-3/4	9	3/4
PB12-900-100-SC	8-3/4	9	1
PB12-925-100-SC	9	9-1/4	1
PB12-950-100-SC	9-1/4	9-1/2	1
PB12-1000-050-SC	9-3/4	10	1/2
PB12-1000-075-SC	9-3/4	10	3/4
PB12-1000-100-SC	9-3/4	10	1
PB12-1050-100-SC	10-1/4	10-1/2	1
PB12-1100-100-SC	10-3/4	11	1
PB12-1200-100-SC	11-3/4	12	1

STYLE 614 NYLON ROD BEARINGS

Style 614 rod bearings are available in nylon material. These products are used extensively in hydraulic cylinders due to their low rate of wear and non-scoring properties. Excellent for those heavy duty applications that require a sturdy bearing.



PART NUMBERS

614 - 1502 - 100

Prefix — Outside Diameter — Height

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +275° F
TENSILE STRENGTH	25,000 PSI
COMPRESSIVE STRENGTH	26,000 PSI

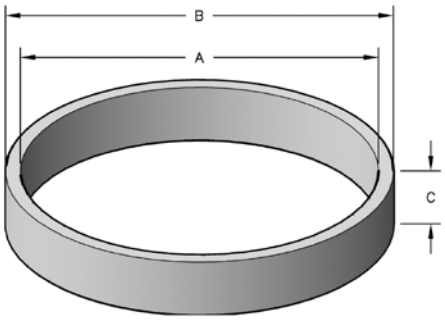
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
614-1253-100	1-1/4	1-1/2	1	1/8
614-1502-100	1-1/2	1-5/8	.975	1/16
614-1254-084	1-1/4	1-3/4	27/32	1/4
614-1254-100	1-1/4	1-3/4	1	1/4
614-1503-100	1-1/2	1-3/4	1	1/8
614-1255-150	1-1/4	1-7/8	1-1/2	5/16
614-1752-100	1-3/4	1-7/8	.975	1/16
614-1504-058	1-1/2	2	.58	1/4
614-1504-075	1-1/2	2	3/4	1/4
614-1753-100	1-3/4	2	1	1/8
614-1505-150	1-1/2	2-1/8	1-1/2	5/16
614-2002-100	2	2-1/8	.975	1/16
614-1754-040	1-3/4	2-1/4	7/16	1/4
614-1754-058	1-3/4	2-1/4	.58	1/4
614-1754-075	1-3/4	2-1/4	3/4	1/4
614-1754-087	1-3/4	2-1/4	7/8	1/4
614-2003-099	2	2-1/4	1	1/8
614-2252-150	2-1/4	2-3/8	1.475	1/16
614-2004-050	2	2-1/2	1/2	1/4
614-2004-058	2	2-1/2	.58	1/4
614-2004-070	2	2-1/2	.7	1/4
614-2004-075	2	2-1/2	3/4	1/4
614-2004-100	2	2-1/2	1	1/4
614-2253-125	2-1/4	2-1/2	1-1/4	1/8
614-2253-155	2-1/4	2-1/2	1-35/64	1/8
614-2253-225	2-1/4	2-1/2	2-1/4	1/8
614-2502-150	2-1/2	2-5/8	1.475	1/16
614-2254-058	2-1/4	2-3/4	.58	1/4
614-2254-075	2-1/4	2-3/4	3/4	1/4
614-2503-125	2-1/2	2-3/4	1-1/4	1/8
614-2503-155	2-1/2	2-3/4	1-35/64	1/8
614-2504-025	2-1/2	3	1/4	1/4
614-2504-040	2-1/2	3	13/32	1/4
614-2504-058	2-1/2	3	.58	1/4
614-2504-075	2-1/2	3	3/4	1/4
614-2504-100	2-1/2	3	1	1/4
614-2753-155	2-3/4	3	1-35/64	1/8

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
614-3002-150	3	3.12	1.475	.06
614-2754-100	2-3/4	3-1/4	1	1/4
614-2755-100	2-3/4	3-3/8	1	5/16
614-3004-046	3	3-1/2	15/32	1/4
614-3004-050	3	3-1/2	1/2	1/4
614-3004-075	3	3-1/2	3/4	1/4
614-3004-100	3	3-1/2	1	1/4
614-3004-150	3	3-1/2	1-1/2	1/4
614-3123-075	3-1/8	3-1/2	3/4	3/16
614-3123-084	3-1/8	3-1/2	.845	3/16
614-3253-155	3-1/4	3-1/2	1-35/64	1/8
614-3253-037	3-1/4	3-5/8	3/8	3/16
614-3253-100	3-1/4	3-5/8	1	3/16
614-3504-025	3-1/2	4	1/4	1/4
614-3504-046	3-1/2	4	15/32	1/4
614-3504-100	3-1/2	4	1	1/4
614-3754-075	3-3/4	4-1/4	3/4	1/4
614-3754-100	3-3/4	4-1/4	1	1/4
614-3755-100	3-3/4	4-3/8	1	5/16
614-4004-025	4	4-1/2	1/4	1/4
614-4004-037	4	4-1/2	3/8	1/4
614-4004-075	4	4-1/2	3/4	1/4
614-4004-084	4	4-1/2	.845	1/4
614-4004-093	4	4-1/2	15/16	1/4
614-4004-100	4	4-1/2	1	1/4
614-4004-150	4	4-1/2	1-1/2	1/4
614-4005-100	4	4-5/8	1	5/16
614-4504-025	4-1/2	5	1/4	1/4
614-4754-100	4-3/4	5-1/4	1	1/4
614-4754-200	4-3/4	5-1/4	2	1/4
614-4755-100	4-3/4	5-3/8	1	5/16
614-5004-075	5	5-1/2	3/4	1/4
614-5004-084	5	5-1/2	.845	1/4
614-5004-093	5	5-1/2	15/16	1/4
614-5004-100	5	5-1/2	1	1/4
614-5755-100	5-3/4	6-3/8	1	5/16
614-6004-037	6	6-1/2	3/8	1/4

STYLE 614 NYLON ROD BEARINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
614-6004-075	6	6-1/2	3/4	1/4
614-6004-084	6	6-1/2	.845	1/4
614-6004-093	6	6-1/2	15/16	1/4
614-6004-100	6	6-1/2	1	1/4
614-7004-075	7	7-1/2	3/4	1/4
614-8004-075	8	8-1/2	3/4	1/4
614-8256-075	8-1/4	9	3/4	3/8
614-9006-075	9	9-3/4	3/4	3/8
614-9375-100	9-3/8	10	1	5/16

STYLE 615 PHENOLIC BEARINGS



PART NUMBERS

615 - 1254 - 075

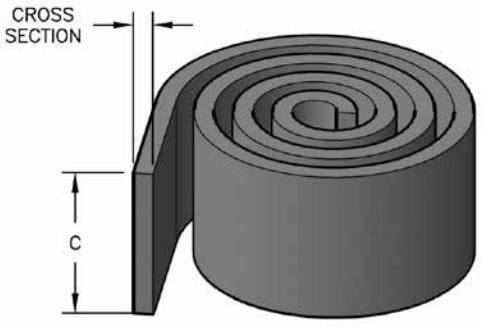
Prefix — Outside Diameter — Height

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	10,600 PSI
COMPRESSIVE STRENGTH	16,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
615-1254-075	1-1/4	1-3/4	3/4
615-2253-100	2-1/4	2-1/2	1
615-2504-150	2-1/2	2-3/4	1-1/2
615-2753-138	2-3/4	3	1.385
615-3753-175	3-3/4	4	1.74
617-925-175-SC	9	9-1/4	1.735
615-10533-700	10.28	10.53	7
615-11753-699	11-1/2	11-3/4	7

FLEXIBLE GUIDE BEARINGS - FILLED PTFE

Flexible Guide Bearings are strips of filled PTFE. The material can be cut to any length to fit any rod or bore size without losing its concentricity. The filler material is shown below. **NOTE:** Glass filled material has a thickness tolerance of ± .010". Bronze filled tolerance is ±.0025".



B= BRONZE FILLED PTFE

PART NUMBERS

606T - 025

Prefix Height

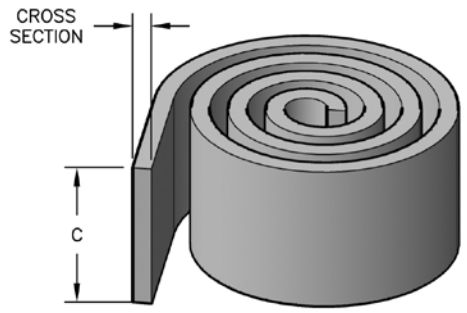
*Sold by the foot.

SEAL INFORMATION	
MATERIAL	GLASS FILLED 60% BRONZE FILLED PTFE
TEMPERATURE RANGE	-50° TO +400° F
TENSILE STRENGTH	2,100 PSI
COMPRESSIVE STRENGTH	1,500 PSI
SPEED	12 FT/SEC

Part Number	C Nom. Ht	Nom. Cross Section
606T-025	1/4	1/16
612T-025B	1/4	1/8
606T-037	3/8	1/16
612T-037B	3/8	1/8
606T-050	1/2	1/16
612T-050	1/2	1/8
612T-050B	1/2	1/8
606T-062	5/8	1/16
612T-062	5/8	1/8
612T-062B	5/8	1/8
606T-075	3/4	1/16
609T-075	3/4	3/32
612T-075	3/4	1/8
612T-075B	3/4	1/8
606T-100	1	1/16
609T-100	1	3/32
612T-100	1	1/8
612T-100B	1	1/8
612T-112	1-1/8	1/8
609T-125	1-1/4	3/32
612T-150	1-1/2	1/8

FLEXIBLE GUIDE BEARINGS - POLYESTER RESIN

Manufactured using woven fabric-reinforced polyester resin, this material produces a dimensionally accurate rectangular strip which can be cut to any length. Low coefficient of friction and high compressive strength makes it an ideal bearing material. A common radial thickness of 1/8 in. allows the stacking of various widths. Size reference is marked every 6 in. on the strip. Available by the foot or rolls of 16 feet. Cutting is made easy by using Anvil type pruning shears. Wall tolerance ± .002 in., radial wall thickness = 0.124 to 0.121 in. TQ = Turquoise in color. Standard 612F part numbers are gray in color.



PART NUMBERS

612F - 037

Prefix Height

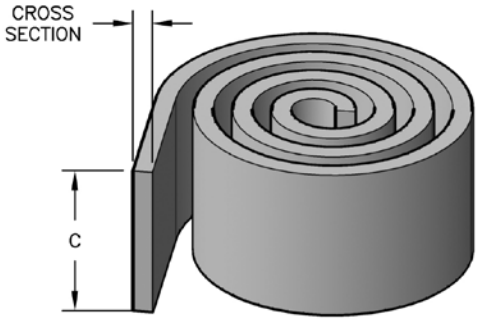
*Sold by the foot.

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	10,600 PSI
COMPRESSIVE STRENGTH	16,000 PSI
SPEED	3 FT/SEC

Part Number	C Nom. Ht	Nom. Cross Section
612F-037	3/8	1/8
612F-037-TQ	3/8	1/8
612F-050	1/2	1/8
612F-050-TQ	1/2	1/8
612F-062	5/8	1/8
612F-062-TQ	5/8	1/8
612F-075	3/4	1/8
612F-075-TQ	3/4	1/8
612F-100	1	1/8
612F-100-TQ	1	1/8

BOXED FLEXIBLE GUIDE BEARINGS-POLYESTER RESIN

Our 612F style flexible guide bearings, with a 1/8" radial thickness, offered in a boxed quantity. The strip can be cut to any length using anvil type pruning shears. Product length is 32' per box.



PART NUMBERS

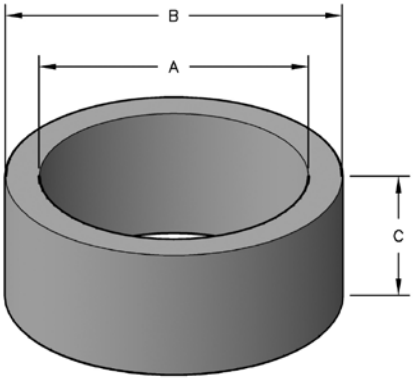
612F - 050 - 506 - BOX

Prefix Height

SEAL INFORMATION	
TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	10,600 PSI
COMPRESSIVE STRENGTH	16,000 PSI
SPEED	3 FT/SEC

Part Number	C Nom. Ht	Nom. Cross Section
606F-037-506-BOX	3/8	1/16
612F-050-506-BOX	1/2	1/8
612F-075-506-BOX	3/4	1/8
612F-100-506-BOX	1	1/8
612F-037-506-BOX	3/8	1/8

STYLE 660 BRONZE ROD BEARINGS



PART NUMBERS

660 - 1004 - 125

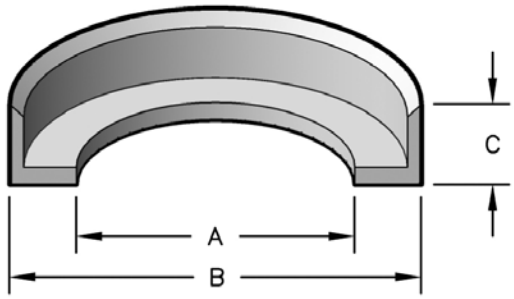
Prefix — Inside Diameter — Height

SEAL INFORMATION	
TENSILE STRENGTH	35,000 PSI
YIELD STRENGTH	18,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
660-1004-125	1	1-1/4	1-1/4	1/8
660-1008-125	1	1-1/2	1-1/4	1/4
660-1754-100	1-3/4	2-1/4	1	1/4
660-4001-200-SC	4	4.2	2	.1
660-6001-300-SC	6	6.2	3	.1

STYLE FB FOLLOWER BEARINGS

These parts are used as companion pieces for Cascade vee sets, primarily as bearings.



PART NUMBERS

FB - 175

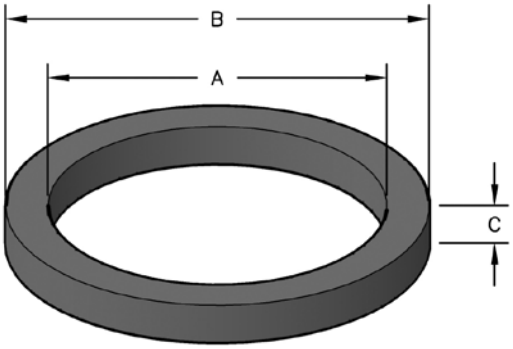
Prefix — Bore Diameter

SEAL INFORMATION	
MATERIAL	60D POLYESTER
TEMPERATURE RANGE	-65° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	J BORE DIAMETER	C HEIGHT
FB-175	1-1/4	1-3/4	1.750	.290
FB-200	1-1/2	2	2.000	.370
FB-225	1-3/4	2-1/4	2.250	.350
FB-250	2	2-1/2	2.500	.370
FB-300	2-1/2	3	3.000	.430
FB-325	2-3/4	3-1/4	3.250	.430
FB-350	3	3-1/2	3.500	.437
FB-400	3-1/4	4	4.000	.615
FB-425	3-1/2	4-1/4	4.250	.625
FB-475	4	4-3/4	4.750	.625
FB-650	6	6-1/2	6.500	.440

STYLE MB MODULAR BACK-UPS

These back-up rings, made from urethane or nylon, are commonly used as spacers for u-seals.



PART NUMBERS

MB12 - 0.75 - 12 - S

Prefix — Inside Diameter — Height

SEAL INFORMATION	
MATERIAL	URETHANE, 70 SHORE D
TEMPERATURE RANGE	-40° TO +250° F
SPEED	3 FT/SEC

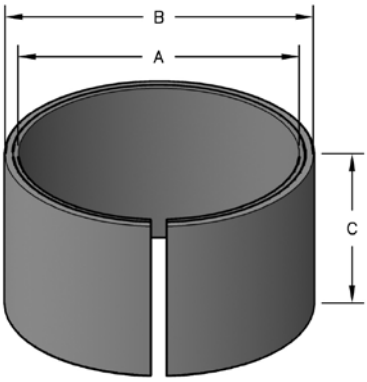
N = Nylon
S = Split
P = Hard Hytrel

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MB12-0.75-12-S	3/4	1	1/8
MB25-1.25-25	1-1/4	1-3/4	1/4
MB25-1.37-25	1-3/8	1-7/8	1/4
MB25-1.50-25	1-1/2	2	1/4
MB25-1.75-25	1-3/4	2-1/4	1/4
MB31-1.75-31	1-3/4	2-3/8	5/16
MB37-1.75-50	1-3/4	2-1/2	1/2
MB37-1.75-50N	1-3/4	2-1/2	1/2
MB37-1.75-56	1-3/4	2-1/2	9/16
MB31-1.87-31	1-7/8	2-1/2	5/16
MB18-2.00-18	2	2-3/8	3/16
MB25-2.00-25	2	2-1/2	1/4
MB31-2.00-31	2	2-5/8	5/16
MB37-2.00-25P	2	2-3/4	1/4
MB37-2.00-37	2	2-3/4	3/8
MB31-2.12-31	2-1/8	2-3/4	5/16
MB31-2.12-37	2-1/8	2-3/4	3/8
MB25-2.25-25	2-1/4	2-3/4	1/4
MB31-2.25-31	2-1/4	2-7/8	5/16
MB31-2.37-31	2-3/8	3	5/16
MB25-2.50-25	2-1/2	3	1/4
MB31-2.50-31	2-1/2	3-1/8	5/16
MB37-2.50-25P	2-1/2	3-1/4	1/4
MB37-2.62-50	2-5/8	3-3/8	1/2
MB37-2.62-50N	2-5/8	3-3/8	1/2
MB37-2.62-57	2-5/8	3-3/8	.575
MB37-2.75-25	2-3/4	3-1/2	1/4
MB25-3.00-25	3	3-1/2	1/4
MB37-3.00-37	3	3-3/4	3/8
MB50-3.00-50	3	4	1/2
MB37-3.12-37	3-1/8	3-7/8	3/8
MB25-3.25-25	3-1/4	3-3/4	1/4
MB25-3.50-25	3-1/2	4	1/4
MB37-3.50-25	3-1/2	4-1/4	1/4
MB37-3.50-37	3-1/2	4-1/4	3/8
MB37-3.50-44P	3-1/2	4-1/4	7/16
MB37-3.62-50N	3-5/8	4-3/8	1/2
MB37-3.62-56	3-5/8	4-3/8	9/16
MB43-3.87-25	3-7/8	4-3/4	1/4

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MB25-4.00-25	4	4-1/2	1/4
MB25-4.00-43	4	4-1/2	7/16
MB37-4.00-37	4	4-3/4	3/8
MB37-4.25-37	4-1/4	5	3/8
MB25-4.50-25	4-1/2	5	1/4
MB31-4.50-31	4-1/2	5-1/8	5/16
MB37-4.50-28N	4-1/2	5-1/4	.285
MB37-4.50-50	4-1/2	5-1/4	1/2
MB37-4.50-50N	4-1/2	5-1/4	1/2
MB43-4.50-62	4-1/2	5-3/8	5/8
MB37-4.75-37	4-3/4	5-1/2	3/8
MB37-4.75-37N	4-3/4	5-1/2	3/8
MB43-4.75-31	4-3/4	5-5/8	5/16
MB25-5.00-25	5	5-1/2	1/4
MB37-5.00-37	5	5-3/4	3/8
MB37-5.25-12	5-1/4	6	1/8
MB37-5.50-37	5-1/2	6-1/4	3/8
MB37-5.50-43NS	5-1/2	6-1/4	7/16
MB25-6.00-25	6	6-1/2	1/4
MB37-6.00-43NS	6	6-3/4	7/16
MB37-6.00-56	6	6-3/4	9/16
MB25-6.50-25	6-1/2	7	1/4
MB37-7.00-37	7	7-3/4	3/8

STYLE DU ROD BUSHINGS

With a steel body, bronze liner, and PTFE / lead overlay, these bushings possess excellent wearability and tremendous compressive strength.



PART NUMBERS

DU - 8 X 6

Prefix — Inside Diameter — Height

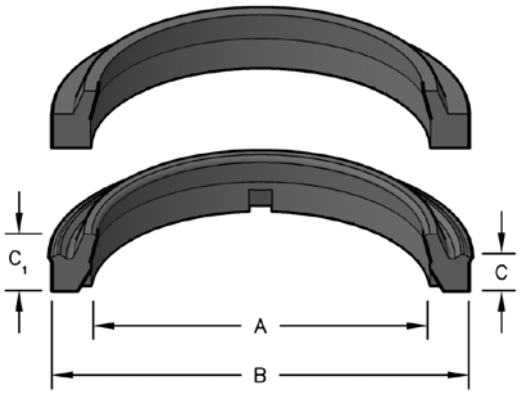
SEAL INFORMATION	
MATERIAL	BRONZE LINING PTFE/LEAD OVERLAY STEEL BACKING
TEMPERATURE RANGE	-325° TO +536° F
SPEED	12 FT/SEC
COMPRESSIVE STRENGTH	44,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
DU-8-6	1/2	19/32	3/8	3/64
DU-8-8	1/2	19/32	1/2	3/64
DU-8-10	1/2	19/32	5/8	3/64
DU-9-12	9/16	21/32	3/4	3/64
DU-10-10	5/8	23/32	5/8	3/64
DU-10-14	5/8	23/32	7/8	3/64
DU-11-14	11/16	25/32	7/8	3/64
DU-12-12	3/4	7/8	3/4	1/16
DU-12-16	3/4	7/8	1	1/16
DU-16-12	1	1-1/8	3/4	1/16
DU-16-16	1	1-1/8	1	1/16
DU-16-24	1	1-1/8	1-1/2	1/16
DU-18-16A	1-1/8	1-9/32	1	5/64
DU-20-12A	1-1/4	1-13/32	3/4	5/64
DU-20-18	1-1/4	1-13/32	1-1/8	5/64
DU-20-28	1-1/4	1-13/32	1-3/4	5/64
DU-22-16	1-3/8	1-17/32	1	5/64
DU-22-28A	1-3/8	1-17/32	1-3/4	5/64
DU-24-12	1-1/2	1-21/32	3/4	5/64
DU-24-16	1-1/2	1-21/32	1	5/64
DU-24-20	1-1/2	1-21/32	1-1/4	5/64
DU-26-24	1-5/8	1-25/32	1-1/2	5/64
DU-28-16	1-3/4	1-15/16	1	3/32
DU-28-28	1-3/4	1-15/16	1-3/4	3/32
DU-30-16	1-7/8	2-1/16	1	3/32
DU-32-12	2	2-3/16	3/4	3/32
DU-32-20	2	2-3/16	1-1/4	3/32
DU-32-32	2	2-3/16	2	3/32
DU-36-24	2-1/4	2-7/16	1-1/2	3/32
DU-36-32	2-1/4	2-7/16	2	3/32
DU-36-40	2-1/4	2-7/16	2-1/2	3/32
DU-40-32	2-1/2	2-11/16	2	3/32
DU-40-40	2-1/2	2-11/16	2-1/2	3/32
DU-40-56	2-1/2	2-11/16	3-1/2	3/32
DU-44-40	2-3/4	2-15/16	2-1/2	3/32
DU-44-56	2-3/4	2-15/16	3-1/2	3/32
DU-48-16	3	3-3/16	1	3/32
DU-48-48	3	3-3/16	3	3/32
DU-48-60	3	3-3/16	3-3/4	3/32
DU-56-60	3-1/2	3-11/16	3-3/4	3/32

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
DU-64-80	4	4-3/16	5	3/32
DU-80-60	5	5-3/16	3-3/4	3/32

STYLE ST URETHANE WIPER RINGS

Style ST wiper rings are precision molded from 90A durometer urethane. Flexible enough to easily snap into a groove yet tough enough to handle difficult rod wiping applications. "V" tagged wipers are constructed of fluorocarbon.

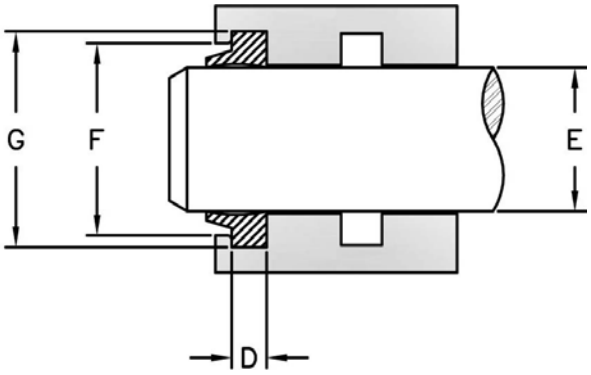


PART NUMBERS

ST - 25

Prefix Size

SEAL INFORMATION	
MATERIAL	URETHANE / FLUOROCARBON
TEMPERATURE RANGE	URETHANE: -40° TO +200° F FLUOROCARBON: -20° TO +400° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-25	1/4	1/2	1/8	.210	.124 +.004 +.000	.250 -.0005 -.0019	.410 +.010 +.000	.497 +.006 +.000
ST-31	5/16	9/16	1/8	.210	.124 +.004 +.000	.313 -.0005 -.0019	.475 +.010 +.000	.560 +.006 +.000
ST-37	3/8	5/8	1/8	.210	.124 +.004 +.000	.375 -.0005 -.0019	.535 +.010 +.000	.622 +.006 +.000
ST-43	7/16	11/16	1/8	.210	.124 +.004 +.000	.438 -.0006 -.0023	.600 +.010 +.000	.685 +.006 +.000
ST-50	1/2	3/4	1/8	.210	.124 +.004 +.000	.500 -.0006 -.0023	.660 +.010 +.000	.747 +.006 +.000
ST-56	9/16	13/16	1/8	.210	.124 +.004 +.000	.563 -.0006 -.0023	.725 +.010 +.000	.810 +.006 +.000
ST-62	5/8	7/8	1/8	.210	.124 +.004 +.000	.625 -.0006 -.0023	.785 +.010 +.000	.872 +.006 +.000
ST-62V	5/8	7/8	1/8	.210	.124 +.004 +.000	.625 -.0006 -.0023	.785 +.010 +.000	.872 +.006 +.000
ST-75	3/4	1-1/8	3/16	.305	.187 +.004 +.000	.750 -.0008 -.0028	.995 +.010 +.000	1.122 +.006 +.000
ST-81	13/16	1-3/16	3/16	.305	.187 +.004 +.000	.813 -.0008 -.0028	1.060 +.010 +.000	1.185 +.006 +.000
ST-87	7/8	1-1/4	3/16	.305	.187 +.004 +.000	.875 -.0008 -.0028	1.120 +.010 +.000	1.247 +.006 +.000
ST-93	15/16	1-5/16	3/16	.305	.187 +.004 +.000	.938 -.0008 -.0028	1.185 +.010 +.000	1.310 +.006 +.000
ST-100	1	1-3/8	3/16	.305	.187 +.004 +.000	1.000 -.0008 -.0028	1.245 +.010 +.000	1.372 +.006 +.000
ST-100V	1	1-3/8	3/16	.305	.187 +.004 +.000	1.000 -.0008 -.0028	1.245 +.010 +.000	1.372 +.006 +.000

STYLE ST URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-110	1.075	1.507	3/16	.305	.187 +.004 +.000	1.075 -.0008 -.0028	1.305 +.010 +.000	1.504 +.006 +.000
ST-112	1-1/8	1-1/2	3/16	.305	.187 +.004 +.000	1.125 -.0008 -.0028	1.370 +.010 +.000	1.497 +.006 +.000
ST-112V	1-1/8	1-1/2	3/16	.305	.187 +.004 +.000	1.125 -.0008 -.0028	1.370 +.010 +.000	1.497 +.006 +.000
ST-118	1-3/16	1-9/16	3/16	.305	.187 +.004 +.000	1.188 -.0010 -.0034	1.435 +.010 +.000	1.560 +.006 +.000
ST-125	1-1/4	1-5/8	3/16	.305	.187 +.004 +.000	1.250 -.0010 -.0034	1.495 +.010 +.000	1.622 +.006 +.000
ST-125V	1-1/4	1-5/8	3/16	.305	.187 +.004 +.000	1.250 -.0010 -.0034	1.495 +.010 +.000	1.622 +.006 +.000
ST-131	1-5/16	1-11/16	3/16	.305	.187 +.004 +.000	1.313 -.0010 -.0034	1.560 +.010 +.000	1.685 +.006 +.000
ST-137	1-3/8	1-3/4	3/16	.305	.187 +.004 +.000	1.375 -.0010 -.0034	1.620 +.010 +.000	1.747 +.006 +.000
ST-137V	1-3/8	1-3/4	3/16	.305	.187 +.004 +.000	1.375 -.0010 -.0034	1.620 +.010 +.000	1.747 +.006 +.000
ST-143	1-7/16	1-13/16	3/16	.305	.187 +.004 +.000	1.438 -.0010 -.0034	1.685 +.010 +.000	1.810 +.006 +.000
ST-150	1-1/2	1-7/8	3/16	.305	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000
ST-150V	1-1/2	1-7/8	3/16	.305	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000
ST-156	1-9/16	1-15/16	3/16	.305	.187 +.004 +.000	1.563 -.0010 -.0034	1.810 +.010 +.000	1.935 +.006 +.000
ST-162	1-5/8	2	3/16	.305	.187 +.004 +.000	1.625 -.0010 -.0034	1.870 +.010 +.000	1.997 +.006 +.000
ST-175	1-3/4	2-1/8	3/16	.305	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000
ST-175V	1-3/4	2-1/8	3/16	.305	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000
ST-187	1-7/8	2-1/4	3/16	.305	.187 +.004 +.000	1.875 -.0010 -.0034	2.120 +.010 +.000	2.247 +.006 +.000
ST-193	1-15/16	2-5/16	3/16	.305	.187 +.004 +.000	1.938 -.0010 -.0034	2.185 +.010 +.000	2.310 +.006 +.000
ST-200	2	2-1/2	1/4	.395	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000
ST-200V	2	2-1/2	1/4	.395	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000
ST-212A	2-1/8	2-1/2	3/16	.305	.187 +.004 +.000	2.125 -.0012 -.0041	2.452 +.010 +.000	2.497 +.006 +.000
ST-212	2-1/8	2-5/8	1/4	.395	.249 +.004 +.000	2.125 -.0012 -.0041	2.452 +.010 +.000	2.622 +.006 +.000
ST-225	2-1/4	2-3/4	1/4	.395	.249 +.004 +.000	2.250 -.0012 -.0041	2.577 +.010 +.000	2.747 +.006 +.000
ST-237	2-3/8	2-7/8	1/4	.395	.249 +.004 +.000	2.375 -.0012 -.0041	2.702 +.010 +.000	2.872 +.006 +.000
ST-250	2-1/2	3	1/4	.395	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000
ST-250V	2-1/2	3	1/4	.395	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000
ST-262	2-5/8	3-1/8	1/4	.395	.249 +.004 +.000	2.625 -.0012 -.0041	2.952 +.010 +.000	3.122 +.006 +.000
ST-275	2-3/4	3-1/4	1/4	.395	.249 +.004 +.000	2.750 -.0012 -.0041	3.077 +.010 +.000	3.247 +.006 +.000
ST-287	2-7/8	3-3/8	1/4	.395	.249 +.004 +.000	2.875 -.0012 -.0041	3.202 +.010 +.000	3.372 +.006 +.000
ST-300	3	3-1/2	1/4	.395	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000
ST-300V	3	3-1/2	1/4	.395	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000
ST-312	3-1/8	3-5/8	1/4	.395	.249 +.004 +.000	3.125 -.0012 -.0041	3.452 +.010 +.000	3.622 +.006 +.000
ST-325	3-1/4	3-3/4	1/4	.395	.249 +.004 +.000	3.250 -.0014 -.0048	3.577 +.010 +.000	3.747 +.006 +.000

STYLE ST URETHANE WIPER RINGS

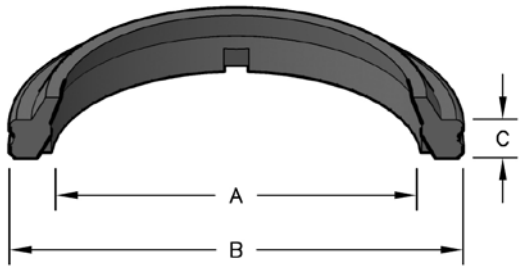
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-325V	3-1/4	3-3/4	1/4	.395	.249 +.004 +.000	3.250 -.0014 -.0048	3.577 +.010 +.000	3.747 +.006 +.000
ST-337	3-3/8	3-7/8	1/4	.395	.249 +.004 +.000	3.375 -.0014 -.0048	3.702 +.010 +.000	3.872 +.006 +.000
ST-350	3-1/2	4	1/4	.395	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000
ST-350V	3-1/2	4	1/4	.395	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000
ST-362	3-5/8	4-1/8	1/4	.395	.249 +.004 +.000	3.625 -.0014 -.0048	3.952 +.010 +.000	4.122 +.006 +.000
ST-375	3-3/4	4-1/4	1/4	.395	.249 +.004 +.000	3.750 -.0014 -.0048	4.077 +.010 +.000	4.247 +.006 +.000
ST-387	3-7/8	4-3/8	1/4	.395	.249 +.004 +.000	3.875 -.0014 -.0048	4.202 +.010 +.000	4.372 +.006 +.000
ST-400	4	4-1/2	1/4	.395	.249 +.004 +.000	4.000 -.0014 -.0048	4.327 +.010 +.000	4.497 +.006 +.000
ST-412	4-1/8	4-5/8	1/4	.395	.249 +.004 +.000	4.125 -.0014 -.0048	4.452 +.010 +.000	4.622 +.006 +.000
ST-425	4-1/4	4-3/4	1/4	.395	.249 +.004 +.000	4.250 -.0014 -.0048	4.577 +.010 +.000	4.747 +.006 +.000
ST-437	4-3/8	4-7/8	1/4	.395	.249 +.004 +.000	4.375 -.0014 -.0048	4.702 +.010 +.000	4.872 +.006 +.000
ST-451	4-1/2	5	1/4	.395	.249 +.004 +.000	4.500 -.0014 -.0048	4.827 +.010 +.000	4.997 +.006 +.000
ST-450	4-1/2	5-1/4	3/8	.585	.374 +.004 +.000	4.500 -.0014 -.0048	4.993 +.010 +.000	5.247 +.006 +.000
ST-475	4-3/4	5-1/2	3/8	.585	.374 +.004 +.000	4.750 -.0017 -.0056	5.243 +.010 +.000	5.497 +.006 +.000
ST-487	4-7/8	5-5/8	3/8	.585	.374 +.004 +.000	4.875 -.0017 -.0056	5.368 +.010 +.000	5.622 +.006 +.000
ST-501	5	5-1/2	1/4	.395	.249 +.004 +.000	5.000 -.0017 -.0056	5.327 +.010 +.000	5.497 +.006 +.000
ST-500	5	5-3/4	3/8	.585	.374 +.004 +.000	5.000 -.0017 -.0056	5.493 +.010 +.000	5.747 +.006 +.000
ST-525	5-1/4	6	3/8	.585	.374 +.004 +.000	5.250 -.0017 -.0056	5.743 +.010 +.000	5.997 +.006 +.000
ST-550	5-1/2	6-1/4	3/8	.585	.374 +.004 +.000	5.500 -.0017 -.0056	5.993 +.010 +.000	6.247 +.006 +.000
ST-575	5-3/4	6-1/2	3/8	.585	.374 +.004 +.000	5.750 -.0017 -.0056	6.243 +.010 +.000	6.497 +.006 +.000
ST-600	6	6-3/4	3/8	.585	.374 +.004 +.000	6.000 -.0017 -.0056	6.493 +.010 +.000	6.747 +.006 +.000
ST-625	6-1/4	7	3/8	.585	.374 +.004 +.000	6.250 -.0017 -.0056	6.743 +.010 +.000	6.997 +.006 +.000
ST-650	6-1/2	7-1/4	3/8	.585	.374 +.004 +.000	6.500 -.0017 -.0056	6.993 +.010 +.000	7.247 +.006 +.000
ST-650-A	6-1/2	7-1/2	3/8	.585	.374 +.004 +.000	6.500 -.0017 -.0056	7.159 +.010 +.000	7.497 +.006 +.000
ST-660	6-1/2	7-1/2	1/2	.775	.499 +.004 +.000	6.500 -.0017 -.0056	6.993 +.010 +.000	7.497 +.006 +.000
ST-675	6-3/4	7-1/2	3/8	.585	.374 +.004 +.000	6.750 -.0017 -.0056	7.243 +.010 +.000	7.497 +.006 +.000
ST-702	7	8	.4	.675	.399 +.004 +.000	7.000 -.0017 -.0056	7.659 +.010 +.000	7.997 +.006 +.000
ST-701	7	8	1/2	.775	.499 +.004 +.000	7.000 -.0017 -.0056	7.659 +.010 +.000	7.997 +.006 +.000
ST-750	7-1/2	8-1/4	3/8	.585	.374 +.004 +.000	7.500 -.0020 -.0065	7.993 +.010 +.000	8.247 +.006 +.000
ST-750-A	7-1/2	8-1/2	3/8	.585	.374 +.004 +.000	7.500 -.0020 -.0065	8.159 +.010 +.000	8.497 +.006 +.000
ST-775	7-3/4	8-1/2	3/8	.585	.374 +.004 +.000	7.750 -.0020 -.0065	8.243 +.010 +.000	8.497 +.006 +.000
ST-801	8	8-1/2	1/4	.395	.249 +.004 +.000	8.000 -.0020 -.0065	8.327 +.010 +.000	8.497 +.006 +.000
ST-800	8	8-3/4	3/8	.585	.374 +.004 +.000	8.000 -.0020 -.0065	8.493 +.010 +.000	8.747 +.006 +.000

STYLE ST URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-825	8-1/4	9	3/8	.585	.374 +.004 +.000	8.250 -.0020 -.0065	8.743 +.010 +.000	8.997 +.006 +.000
ST-851	8-1/2	9	1/4	.395	.249 +.004 +.000	8.500 -.0020 -.0065	8.827 +.010 +.000	8.997 +.006 +.000
ST-850	8-1/2	9-1/4	3/8	.585	.374 +.004 +.000	8.500 -.0020 -.0065	8.993 +.010 +.000	9.247 +.006 +.000
ST-875	8-3/4	9-1/2	1/4	.395	.374 +.004 +.000	8.750 -.0020 -.0065	9.243 +.010 +.000	9.497 +.006 +.000
ST-900	9	9-3/4	3/8	.585	.374 +.004 +.000	9.000 -.0020 -.0065	9.493 +.010 +.000	9.747 +.006 +.000
ST-950	9-1/2	10-1/4	3/8	.585	.374 +.004 +.000	9.500 -.0020 -.0065	9.993 +.010 +.000	10.247 +.006 +.000
ST-975	9-3/4	10-1/2	3/8	.585	.374 +.004 +.000	9.750 -.0020 -.0065	10.243 +.010 +.000	10.497 +.006 +.000
ST-1000A	10	10-1/2	1/4	.395	.249 +.004 +.000	10.000 -.0022 -.0073	10.313 +.010 +.000	10.497 +.006 +.000
ST-1000	10	11	1/2	.775	.499 +.004 +.000	10.000 -.0022 -.0073	10.659 +.010 +.000	10.997 +.006 +.000
ST-1100	11	12	1/2	.775	.499 +.004 +.000	11.000 -.0022 -.0073	11.659 +.010 +.000	11.997 +.006 +.000
ST-1200	12	13	1/2	.775	.499 +.004 +.000	12.000 -.0022 -.0073	12.659 +.010 +.000	12.997 +.006 +.000
ST-1201	12	13-1/4	1/2	.775	.499 +.004 +.000	12.000 -.0022 -.0073	12.909 +.010 +.000	13.247 +.006 +.000
ST-1250	12-1/2	13-1/2	1/2	.775	.499 +.004 +.000	12.500 -.0024 -.0080	13.159 +.010 +.000	13.497 +.006 +.000

STYLE ST URETHANE WIPER RINGS WITH SLOTTED HEEL

A wide range of ST wipers are now offered in the slotted heel design. The slots in the heel allow excess hydraulic fluid to bypass the wiper, preventing wiper blowout.

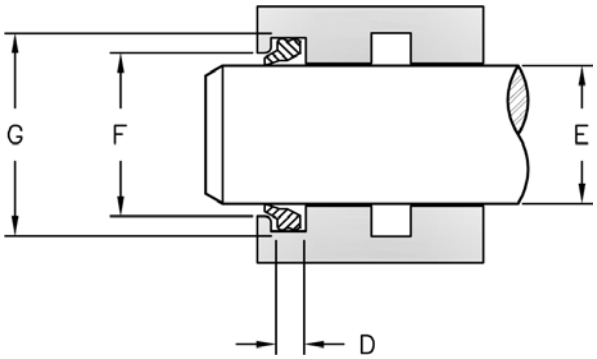


PART NUMBERS

ST - 31 - SH

Prefix | Size | Slotted Heel

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC



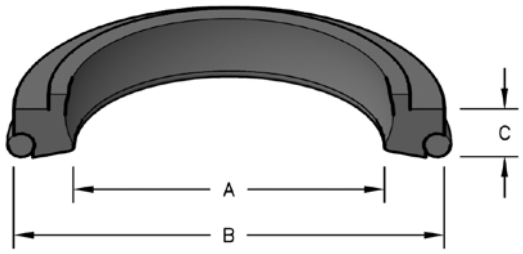
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-31-SH	5/16	9/16	1/8	.124 +.004 +.000	.312 -.0005 -.0019	.475 +.010 +.000	.560 +.006 +.000
ST-37-SH	3/8	5/8	1/8	.124 +.004 +.000	.375 -.0005 -.0019	.535 +.010 +.000	.622 +.006 +.000
ST-43-SH	7/16	11/16	1/8	.124 +.004 +.000	.437 -.0006 -.0023	.600 +.010 +.000	.685 +.006 +.000
ST-50-SH	1/2	3/4	1/8	.124 +.004 +.000	.500 -.0006 -.0023	.660 +.010 +.000	.747 +.006 +.000
ST-62-SH	5/8	7/8	1/8	.124 +.004 +.000	.625 -.0006 -.0023	.785 +.010 +.000	.872 +.006 +.000
ST-68-SH	11/16	.934	.124	.124 +.004 +.000	.687 -.0006 -.0023	.844 +.010 +.000	.934 +.006 +.000
ST-75-SH	3/4	1-1/8	3/16	.187 +.004 +.000	.750 -.0008 -.0028	.995 +.010 +.000	1.122 +.006 +.000
ST-87-SH	7/8	1-1/4	3/16	.187 +.004 +.000	.875 -.0008 -.0028	1.120 +.010 +.000	1.247 +.006 +.000
ST-100-SH	1	1-3/8	3/16	.187 +.004 +.000	1.000 -.0008 -.0028	1.245 +.010 +.000	1.372 +.006 +.000
ST-112-SH	1-1/8	1-1/2	3/16	.187 +.004 +.000	1.125 -.0008 -.0028	1.370 +.010 +.000	1.497 +.006 +.000
ST-125-SH	1-1/4	1-5/8	3/16	.187 +.004 +.000	1.250 -.0010 -.0034	1.495 +.010 +.000	1.622 +.006 +.000
ST-137-SH	1-3/8	1-3/4	3/16	.187 +.004 +.000	1.375 -.0010 -.0034	1.620 +.010 +.000	1.747 +.006 +.000
ST-150-SH	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000
ST-162-SH	1-5/8	2	3/16	.187 +.004 +.000	1.625 -.0010 -.0034	1.870 +.010 +.000	1.997 +.006 +.000
ST-175-SH	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000
ST-187-SH	1-7/8	2-1/4	3/16	.187 +.004 +.000	1.875 -.0010 -.0034	2.120 +.010 +.000	2.247 +.006 +.000
ST-200-SH	2	2-1/2	1/4	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000

STYLE ST URETHANE WIPER RINGS WITH SLOTTED HEEL

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-212-SH	2-1/8	2-5/8	1/4	.249 +.004 +.000	2.125 -.0012 -.0041	2.452 +.010 +.000	2.622 +.006 +.000
ST-225-SH	2-1/4	2-3/4	1/4	.249 +.004 +.000	2.250 -.0012 -.0041	2.577 +.010 +.000	2.747 +.006 +.000
ST-237-SH	2-3/8	2-7/8	1/4	.249 +.004 +.000	2.375 -.0012 -.0041	2.702 +.010 +.000	2.872 +.006 +.000
ST-250-SH	2-1/2	3	1/4	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000
ST-262-SH	2-5/8	3-1/8	1/4	.249 +.004 +.000	2.625 -.0012 -.0041	2.952 +.010 +.000	3.122 +.006 +.000
ST-275-SH	2-3/4	3-1/4	1/4	.249 +.004 +.000	2.750 -.0012 -.0041	3.077 +.010 +.000	3.247 +.006 +.000
ST-300-SH	3	3-1/2	1/4	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000
ST-312-SH	3-1/8	3-5/8	1/4	.249 +.004 +.000	3.125 -.0012 -.0041	3.452 +.010 +.000	3.622 +.006 +.000
ST-325-SH	3-1/4	3-3/4	1/4	.249 +.004 +.000	3.250 -.0014 -.0048	3.577 +.010 +.000	3.747 +.006 +.000
ST-350-SH	3-1/2	4	1/4	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000
ST-362-SH	3-5/8	4-1/8	1/4	.249 +.004 +.000	3.625 -.0014 -.0048	3.952 +.010 +.000	4.122 +.006 +.000
ST-375-SH	3-3/4	4-1/4	1/4	.249 +.004 +.000	3.750 -.0014 -.0048	4.077 +.010 +.000	4.247 +.006 +.000
ST-400-SH	4	4-1/2	1/4	.249 +.004 +.000	4.000 -.0014 -.0048	4.327 +.010 +.000	4.497 +.006 +.000
ST-425-SH	4-1/4	4-3/4	1/4	.249 +.004 +.000	4.250 -.0014 -.0048	4.577 +.010 +.000	4.747 +.006 +.000
ST-450-SH	4-1/2	5-1/4	3/8	.374 +.004 +.000	4.500 -.0014 -.0048	4.993 +.010 +.000	5.247 +.006 +.000
ST-475-SH	4-3/4	5-1/2	3/8	.374 +.004 +.000	4.750 -.0017 -.0056	5.243 +.010 +.000	5.497 +.006 +.000
ST-500-SH	5	5-3/4	3/8	.374 +.004 +.000	5.000 -.0017 -.0056	5.493 +.010 +.000	5.747 +.006 +.000
ST-525-SH	5-1/4	6	3/8	.374 +.004 +.000	5.250 -.0017 -.0056	5.743 +.010 +.000	5.997 +.006 +.000
ST-550-SH	5-1/2	6-1/4	3/8	.374 +.004 +.000	5.500 -.0017 -.0056	5.993 +.010 +.000	6.247 +.006 +.000
ST-600-SH	6	6-3/4	3/8	.374 +.004 +.000	6.000 -.0017 -.0056	6.493 +.010 +.000	6.747 +.006 +.000
ST-700-SH	7	7-3/4	3/8	.374 +.004 +.000	7.000 -.0017 -.0056	7.493 +.010 +.000	7.747 +.006 +.000
ST-725-SH	7-1/4	8	3/8	.374 +.004 +.000	7.250 -.0020 -.0065	7.743 +.010 +.000	7.997 +.006 +.000
ST-750-SH	7-1/2	8-1/4	3/8	.374 +.004 +.000	7.500 -.0020 -.0065	7.993 +.010 +.000	8.247 +.006 +.000
ST-800-SH	8	8-3/4	3/8	.374 +.004 +.000	8.000 -.0020 -.0065	8.493 +.010 +.000	8.747 +.006 +.000
ST-900-SH	9	9-3/4	3/8	.374 +.004 +.000	9.000 -.0020 -.0065	9.493 +.010 +.000	9.747 +.006 +.000

STYLE STXE ENERGIZED WIPER RINGS

STXE wipers are designed to retrofit the standard ST wiper groove while providing superior performance. The o-ring energizer limits dirt intrusion around the OD of the wiper. The energizer also makes this wiper more effective in applications with severe side deflections.

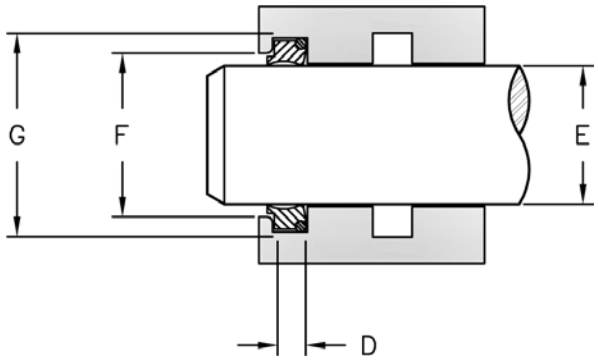


PART NUMBERS

STXE - 150

Prefix Size

SEAL INFORMATION	
MATERIAL	URETHANE WIPER RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC

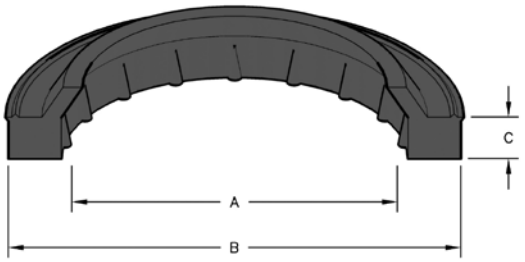


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
STXE-150	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000
STXE-175	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000
STXE-200	2	2-1/2	1/4	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000
STXE-250	2-1/2	3	1/4	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000
STXE-300	3	3-1/2	1/4	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000
STXE-350	3-1/2	4	1/4	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000
STXE-375	3-3/4	4-1/4	1/4	.249 +.004 +.000	3.750 -.0014 -.0048	4.077 +.010 +.000	4.247 +.006 +.000
STXE-400	4	4-1/2	1/4	.249 +.004 +.000	4.000 -.0014 -.0048	4.327 +.010 +.000	4.497 +.006 +.000
STXE-450	4-1/2	5-1/4	3/8	.374 +.004 +.000	4.500 -.0014 -.0048	4.993 +.010 +.000	5.247 +.006 +.000

Seal color may vary.

STYLE ST-XL URETHANE WIPER RINGS

Style ST-XL wipers are molded from premium urethane and are direct replacements for Style "ST" or "D" wipers. The outside diameter of the ring has a crush lip providing extra interference in the groove. A bead on the shoulder stops contaminates from entering through the groove. The inside diameter is ribbed to prevent pressure traps between the wiper and rod seal.

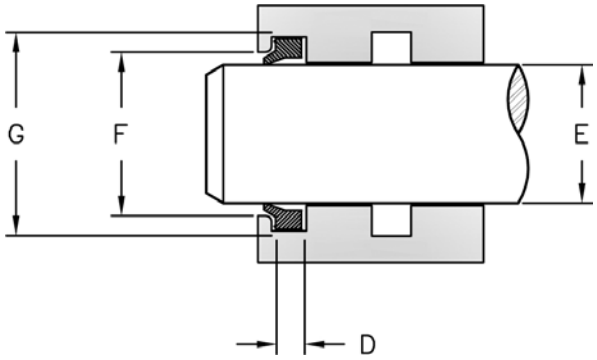


PART NUMBERS

ST - 37 - XL

Prefix Size Extra Lip

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-40° TO +230° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-37-XL	3/8	5/8	1/8	.124 +.004 +.000	.375 -.0005 -.0019	.535 +.010 +.000	.622 +.006 +.000
ST-50-XL	1/2	3/4	1/8	.124 +.004 +.000	.500 -.0006 -.0023	.660 +.010 +.000	.747 +.006 +.000
ST-62-XL	5/8	7/8	1/8	.124 +.004 +.000	.625 -.0006 -.0023	.785 +.010 +.000	.872 +.006 +.000
ST-75-XL	3/4	1-1/8	3/16	.187 +.004 +.000	.750 -.0008 -.0028	.995 +.010 +.000	1.122 +.006 +.000
ST-87-XL	7/8	1-1/4	3/16	.187 +.004 +.000	.875 -.0008 -.0028	1.120 +.010 +.000	1.247 +.006 +.000
ST-100-XL	1	1-3/8	3/16	.187 +.004 +.000	1.000 -.0008 -.0028	1.245 +.010 +.000	1.372 +.006 +.000
ST-112-XL	1-1/8	1-1/2	3/16	.187 +.004 +.000	1.125 -.0008 -.0028	1.370 +.010 +.000	1.497 +.006 +.000
ST-118-XL	1-3/16	1-9/16	3/16	.187 +.004 +.000	1.187 -.0010 -.0034	1.4375 +.010 +.000	1.5625 +.006 +.000
ST-125-XL	1-1/4	1-5/8	3/16	.187 +.004 +.000	1.250 -.0010 -.0034	1.495 +.010 +.000	1.622 +.006 +.000
ST-137-XL	1-3/8	1-3/4	3/16	.187 +.004 +.000	1.375 -.0010 -.0034	1.620 +.010 +.000	1.747 +.006 +.000
ST-150-XL	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000
ST-162-XL	1-5/8	2	3/16	.187 +.004 +.000	1.625 -.0010 -.0034	1.870 +.010 +.000	1.997 +.006 +.000
ST-175-XL	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000
ST-187-XL	1-7/8	2-1/4	3/16	.187 +.004 +.000	1.875 -.0010 -.0034	2.120 +.010 +.000	2.247 +.006 +.000
ST-200-XL	2	2-1/2	1/4	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000
ST-225-XL	2-1/4	2-3/4	1/4	.249 +.004 +.000	2.250 -.0012 -.0041	2.577 +.010 +.000	2.747 +.006 +.000

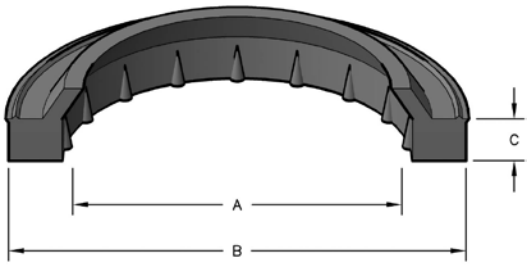
* Closeout item. This item will no longer be available once stock has been depleted.

STYLE ST-XL URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-237-XL	2-3/8	2-7/8	1/4	.249 +.004 +.000	2.375 -.0012 -.0041	2.702 +.010 +.000	2.872 +.006 +.000
ST-250-XL	2-1/2	3	1/4	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000
ST-275-XL	2-3/4	3-1/4	1/4	.249 +.004 +.000	2.750 -.0012 -.0041	3.077 +.010 +.000	3.247 +.006 +.000
ST-300-XL	3	3-1/2	1/4	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000
ST-325-XL	3-1/4	3-3/4	1/4	.249 +.004 +.000	3.250 -.0014 -.0048	3.577 +.010 +.000	3.747 +.006 +.000
ST-350-XL	3-1/2	4	1/4	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000
ST-375-XL	3-3/4	4-1/4	1/4	.249 +.004 +.000	3.750 -.0014 -.0048	4.077 +.010 +.000	4.247 +.006 +.000
ST-387-XL	3-7/8	4-3/8	1/4	.249 +.004 +.000	3.875 -.001 -.005	4.202 +.010 +.000	4.372 +.006 +.000
ST-400-XL	4	4-1/2	1/4	.249 +.004 +.000	4.000 -.0014 -.0048	4.327 +.010 +.000	4.497 +.006 +.000
ST-425-XL	4-1/4	4-3/4	1/4	.249 +.004 +.000	4.250 -.0014 -.0048	4.577 +.010 +.000	4.747 +.006 +.000
ST-450A-XL	4-1/2	5	1/4	.249 +.004 +.000	4.500 -.001 -.005	4.827 +.010 +.000	4.997 +.006 +.000
ST-450-XL	4-1/2	5-1/4	3/8	.374 +.004 +.000	4.500 -.0014 -.0048	4.993 +.010 +.000	5.247 +.006 +.000
ST-475-XL	4-3/4	5-1/2	3/8	.374 +.004 +.000	4.750 -.0017 -.0056	5.243 +.010 +.000	5.497 +.006 +.000
ST-500-XL	5	5-3/4	3/8	.374 +.004 +.000	5.000 -.0017 -.0056	5.493 +.010 +.000	5.747 +.006 +.000
ST-525-XL	5-1/4	6	3/8	.374 +.004 +.000	5.250 -.0017 -.0056	5.743 +.010 +.000	5.997 +.006 +.000
ST-550-XL	5-1/2	6-1/4	3/8	.374 +.004 +.000	5.500 -.0017 -.0056	5.993 +.010 +.000	6.247 +.006 +.000
ST-575-XL	5-3/4	6-1/2	3/8	.374 +.004 +.000	5.750 -.0017 -.0056	6.243 +.010 +.000	6.497 +.006 +.000
ST-600-XL	6	6-3/4	3/8	.374 +.004 +.000	6.000 -.0017 -.0056	6.493 +.010 +.000	6.747 +.006 +.000
ST-650-XL	6-1/2	7-1/4	3/8	.374 +.004 +.000	6.500 -.0017 -.0056	6.993 +.010 +.000	7.247 +.006 +.000
ST-700-XL	7	7-3/4	3/8	.374 +.004 +.000	7.000 -.0017 -.0056	7.493 +.010 +.000	7.747 +.006 +.000
ST-750-XL	7-1/2	8-1/4	3/8	.374 +.004 +.000	7.500 -.0020 -.0065	7.993 +.010 +.000	8.247 +.006 +.000
ST-800-XL	8	8-3/4	3/8	.374 +.004 +.000	8.000 -.0020 -.0065	8.493 +.010 +.000	8.747 +.006 +.000
ST-825-XL	8-1/4	9	3/8	.374 +.004 +.000	8.250 -.0020 -.0065	8.743 +.010 +.000	8.997 +.006 +.000
ST-850-XL	8-1/2	9-1/4	3/8	.374 +.004 +.000	8.500 -.0020 -.0065	8.993 +.010 +.000	9.247 +.006 +.000
ST-900-XL	9	9-3/4	3/8	.374 +.004 +.000	9.000 -.002 -.006	9.493 +.010 +.000	9.747 +.006 +.000
ST-1000-XL	10	11	1/2	.499 +.004 +.000	10.000 -.0022 -.0073	10.659 +.010 +.000	10.997 +.006 +.000
ST-1100-XL	11	12	1/2	.499 +.004 +.000	11.000 -.002 -.007	11.659 +.010 +.000	11.997 +.006 +.000
ST-1200-XL	12	13	1/2	.499 +.004 +.000	12.000 -.002 -.007	12.659 +.010 +.000	12.997 +.006 +.000

STYLE ST-XL-PM URETHANE WIPER RINGS

Style ST-XL-PM wipers are molded from 55D polyester and are direct replacements for Style "ST", "ST-XL" or "D" wipers. The polyester based material provides a tough abrasion resistant wiper for heavy contaminant environments. The outside diameter of the ring has a crush lip providing extra interference in the groove. A bead on the shoulder stops contaminates from entering through the groove. The inside diameter is ribbed to prevent pressure traps between the wiper and rod seal.

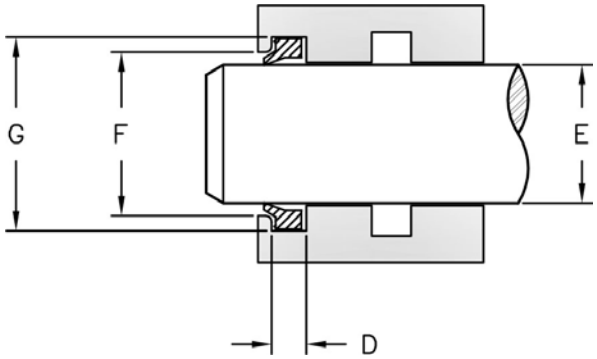


PART NUMBERS

ST - 100 - XL - PM

Prefix Size Extra Lip

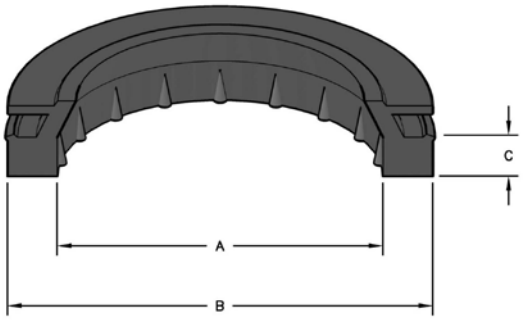
SEAL INFORMATION	
MATERIAL	55D POLYESTER
TEMPERATURE RANGE	-40° TO +250° F
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
ST-100-XL-PM	1	1-3/8	3/16	.187 +.004 +.000	1.000 -.001 -.003	1.245 +.010 +.000	1.372 +.006 +.000
ST-137-XL-PM	1-3/8	1-3/4	3/16	.187 +.004 +.000	1.375 -.001 -.003	1.620 +.010 +.000	1.747 +.006 +.000
ST-150-XL-PM	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 -.001 -.003	1.745 +.010 +.000	1.872 +.006 +.000
ST-175-XL-PM	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 -.001 -.003	1.995 +.010 +.000	2.122 +.006 +.000
ST-200-XL-PM	2	2-1/2	1/4	.249 +.004 +.000	2.000 -.001 -.004	2.327 +.010 +.000	2.497 +.006 +.000
ST-225-XL-PM	2-1/4	2-3/4	1/4	.249 +.004 +.000	2.250 -.001 -.004	2.577 +.010 +.000	2.747 +.006 +.000
ST-250-XL-PM	2-1/2	3	1/4	.249 +.004 +.000	2.500 -.001 -.004	2.827 +.010 +.000	2.997 +.006 +.000
ST-300-XL-PM	3	3-1/2	1/4	.249 +.004 +.000	3.000 -.001 -.004	3.327 +.010 +.000	3.497 +.006 +.000
ST-350-XL-PM	3-1/2	4	1/4	.249 +.004 +.000	3.500 -.001 -.005	3.827 +.010 +.000	3.997 +.006 +.000
ST-400-XL-PM	4	4-1/2	1/4	.249 +.004 +.000	4.000 -.001 -.005	4.327 +.010 +.000	4.497 +.006 +.000

STYLE ST-XLF URETHANE WIPER RINGS

The ST-XLF wipers are designed to fit the standard ST wiper groove. These wipers include a dust lip to prevent contaminates from entering through the groove. They also have a ribbed inside diameter for low friction operation and to prevent pressure traps between the wiper and rod seal.

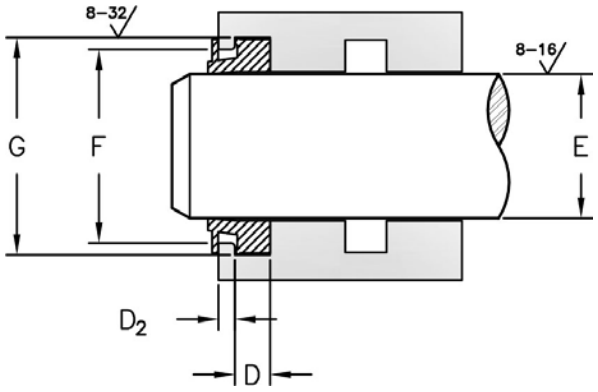


PART NUMBERS

ST - 112 - XLF

Prefix Size Extra Lip

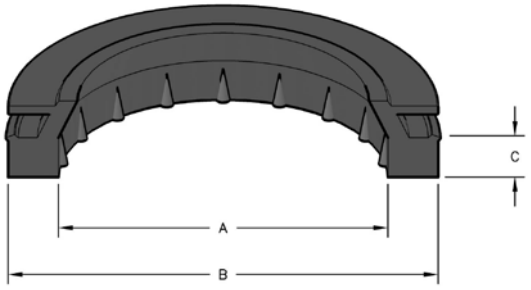
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-50°F TO +230°F
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
ST-112-XLF	1-1/8	1-1/2	.187	.187 +.004 +.000	1.125 -.001 -.003	1.375 ±.005	1.500 ±.003	.094 +.004 +.000
ST-125-XLF	1-1/4	1-5/8	.187	.187 +.004 +.000	1.250 -.001 -.003	1.500 ±.005	1.625 ±.003	.094 +.004 +.000
ST-137-XLF	1-3/8	1-3/4	.187	.187 +.004 +.000	1.375 -.001 -.003	1.625 ±.005	1.750 ±.003	.094 +.004 +.000
ST-150-XLF	1-1/2	1-7/8	.187	.187 +.004 +.000	1.500 -.001 -.003	1.750 ±.005	1.875 ±.003	.094 +.004 +.000
ST-175-XLF	1-3/4	2-1/8	.187	.187 +.004 +.000	1.750 -.001 -.003	2.000 ±.005	2.125 ±.003	.094 +.004 +.000
ST-200-XLF	2	2-1/2	1/4	.250 +.004 +.000	2.000 -.001 -.004	2.332 ±.005	2.500 ±.003	.125 +.004 +.000
ST-225-XLF	2-1/4	2-3/4	1/4	.250 +.004 +.000	2.250 -.001 -.004	2.582 ±.005	2.750 ±.003	.125 +.004 +.000
ST-250-XLF	2-1/2	3	1/4	.250 +.004 +.000	2.500 -.001 -.004	2.832 ±.005	3.000 ±.003	.125 +.004 +.000
ST-300-XLF	3	3-1/2	1/4	.250 +.004 +.000	3.000 -.001 -.004	3.332 ±.005	3.500 ±.003	.125 +.004 +.000
ST-350-XLF	3-1/2	4	1/4	.250 +.004 +.000	3.500 -.001 -.005	3.832 ±.005	4.000 ±.003	.125 +.004 +.000
ST-400-XLF	4	4-1/2	1/4	.250 +.004 +.000	4.000 -.001 -.005	4.332 ±.005	4.500 ±.003	.125 +.004 +.000
ST-450-XLF	4-1/2	5-1/4	3/8	.375 +.004 +.000	4.500 -.001 -.005	4.832 ±.005	5.250 ±.003	.187 +.004 +.000
ST-500-XLF	5	5-3/4	3/8	.375 +.004 +.000	5.000 -.002 -.006	5.332 ±.005	5.750 ±.003	.187 +.004 +.000
ST-600-XLF	6	6-3/4	3/8	.375 +.004 +.000	6.000 -.002 -.006	6.498 ±.005	6.750 ±.003	.187 +.004 +.000

STYLE ST-XLFT URETHANE WIPER RINGS

The ST-XLFT was developed for hard environments, particularly longwall mining. These wipers include a dust lip to prevent contaminates from entering through the groove. They also have a ribbed inside diameter for low friction operation and to prevent pressure traps between the wiper and rod seal.

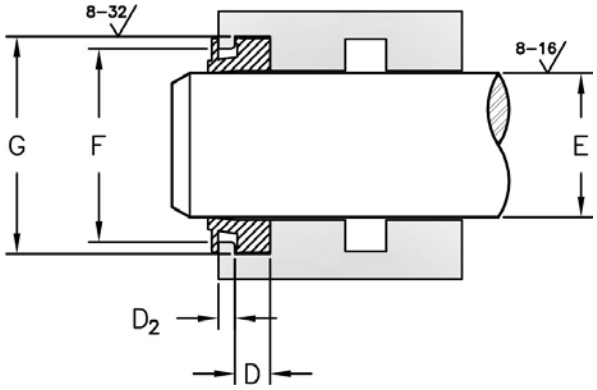


PART NUMBERS

ST - 175 - XLFT

Prefix Size Extra Lip

SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-50°F - +230°F
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
ST-175-XLFT	1-3/4	2-1/8	.22	.220 +.008 +.000	1.750 -.0010 -.0034	1.995 +.007 +.000	2.125 +.007 +.000	.079 +.004 +.000
ST-200-XLFT	2	2-3/8	.22	.220 +.008 +.000	2.000 -.0012 -.0041	2.245 +.008 +.000	2.375 +.008 +.000	.079 +.004 +.000
ST-250-XLFT	2-1/2	2-7/8	.22	.220 +.008 +.000	2.500 -.0012 -.0041	2.745 +.008 +.000	2.875 +.008 +.000	.079 +.004 +.000
ST-300-XLFT	3	3-3/8	.22	.220 +.008 +.000	3.000 -.0012 -.0041	3.245 +.009 +.000	3.375 +.009 +.000	.079 +.004 +.000
ST-350-XLFT	3-1/2	3-7/8	.22	.220 +.008 +.000	3.500 -.0014 -.0048	3.745 +.009 +.000	3.875 +.009 +.000	.079 +.004 +.000
ST-362-XLFT	3-5/8	4	.22	.220 +.008 +.000	3.625 -.0014 -.0048	3.870 +.009 +.000	4.000 +.009 +.000	.079 +.004 +.000
ST-400-XLFT	4	4-3/8	.22	.220 +.008 +.000	4.000 -.0014 -.0048	4.245 +.009 +.000	4.375 +.009 +.000	.079 +.004 +.000
ST-500-XLFT	5	5-1/2	5/16	.312 +.008 +.000	5.000 -.0017 -.0056	5.340 +.010 +.000	5.500 +.010 +.000	.080 +.004 +.000
ST-525-XLFT	5-1/4	5-3/4	5/16	.312 +.008 +.000	5.250 -.0017 -.0056	5.590 +.010 +.000	5.750 +.010 +.000	.080 +.004 +.000
ST-600-XLFT	6	6-1/2	5/16	.312 +.008 +.000	6.000 -.0017 -.0056	6.340 +.010 +.000	6.500 +.010 +.000	.080 +.004 +.000
ST-700-XLFT	7	7-1/2	5/16	.312 +.008 +.000	7.000 -.0017 -.0056	7.340 +.011 +.000	7.500 +.011 +.000	.080 +.004 +.000
ST-703-XLFT	7	7-3/4	1/2	.500 +.008 +.000	7.000 -.0017 -.0056	7.495 +.011 +.000	7.750 +.011 +.000	.100 +.004 +.000
ST-800-XLFT	8	8-1/2	5/16	.312 +.008 +.000	8.000 -.0020 -.0065	8.340 +.011 +.000	8.500 +.011 +.000	.080 +.004 +.000

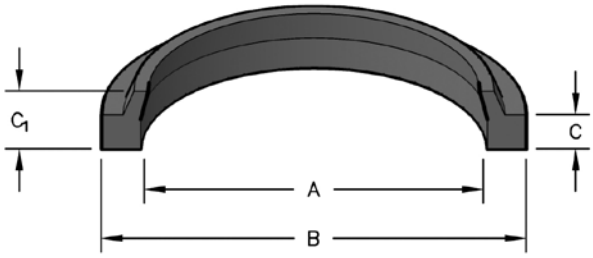
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE ST-E WIPER RINGS

Style ST-E is a light to medium duty urethane wiper ring with a square shoulder, similar to our standard ST style wipers but with different dimensions.

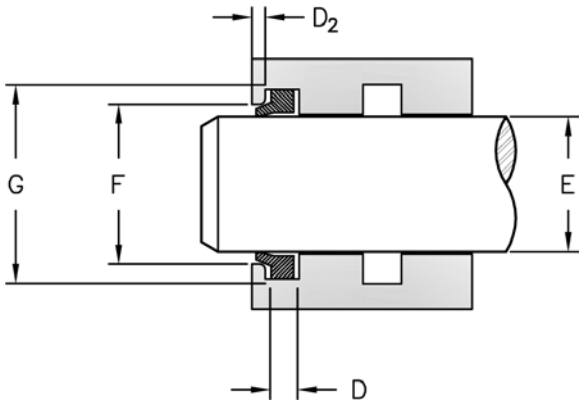


PART NUMBERS

ST - 200 - E

Prefix Size

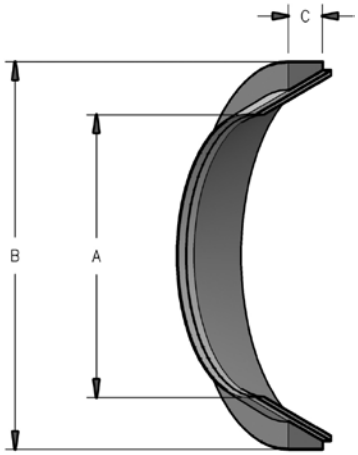
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-31° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
ST-200-E	2	2.46	3/16	.3125	.187 +.004 +.000	2.000 -.0012 -.0041	2.230 +.008 +.000	2.460 +.008 +.000	.250
ST-275-E	2-3/4	3-3/16	3/16	.3125	.187 +.004 +.000	2.750 -.0012 -.0041	2.980 +.008 +.000	3.1875 +.008 +.000	.250
ST-300-E	3	3-1/2	3/16	.3125	.187 +.004 +.000	3.000 -.0012 -.0041	3.278 +.008 +.000	3.500 +.008 +.000	.3125
ST-350-E	3-1/2	4-1/16	3/16	.3125	.187 +.004 +.000	3.500 -.0014 -.0048	3.850 +.008 +.000	4.0625 +.008 +.000	.395
ST-362-E	3-5/8	4-3/16	3/16	.3125	.187 +.004 +.000	3.625 -.0014 -.0048	3.950 +.008 +.000	4.1875 +.008 +.000	.375
ST-437-E	4-3/8	4.9	3/16	.3125	.187 +.004 +.000	4.375 -.0014 -.0048	4.697 +.008 +.000	4.900 +.008 +.000	.346
ST-525-E	5-1/4	5.84	3/16	.3125	.187 +.004 +.000	5.250 -.0017 -.0056	5.602 +.008 +.000	5.840 +.008 +.000	.407
ST-631-E	6-5/16	6.9	3/16	.3125	.187 +.004 +.000	6.312 -.0017 -.0056	6.665 +.008 +.000	6.900 +.008 +.000	.407
ST-731-E	7-5/16	7.9	3/16	.3125	.187 +.004 +.000	7.312 -.0020 -.0065	7.665 +.008 +.000	7.900 +.008 +.000	.407
ST-837-E	8-3/8	8.97	3/16	.3125	.187 +.004 +.000	8.375 -.0020 -.0065	8.665 +.008 +.000	8.970 +.008 +.000	.407

STYLE SG - "SEAL GUARD" METALLIC ROD WIPERS

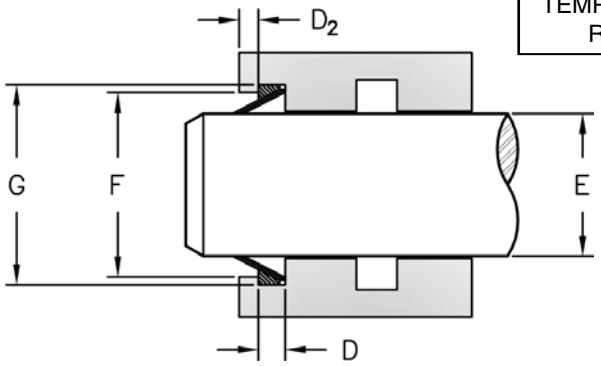
Each Seal Guard Wiper consists of two flexible bronze rings which are held in place by a nitrile cushion ring. The cushion ring absorbs side loads and energizes the wiper to maintain close contact with the rod. Particularly suited for hostile environments, seal guard wipers shave off sand, grift, slag, flux, paint, moisture, chips and slivers. Seal Guard Wipers are long-lasting, self-adjusting, and offer low friction. Seal Guard Wipers can be installed in standard “ST” or “D” Style grooves by increasing the “F” gland dimension to the “F” Throat Diameter shown.



PART NUMBERS

SG - 0.500

Prefix Size

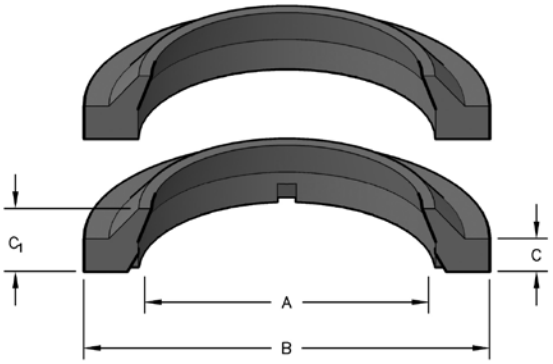


SEAL INFORMATION	
MATERIAL	660 BRONZE 70A NITRILE
TEMPERATURE RANGE	-40° TO +240° F

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
SG-0.500	1/2	3/4	1/8	.124 +.004 +.000	.500 +.001 -.002	.704 +.000 -.010	.747 +.006 +.000	.018 +.015 +.000
SG-0.625	5/8	7/8	1/8	.124 +.004 +.000	.625 +.001 -.002	.829 +.000 -.010	.872 +.006 +.000	.018 +.015 +.000
SG-0.750	3/4	1-1/8	3/16	.187 +.004 +.000	.750 +.001 -.002	1.072 +.000 -.010	1.122 +.006 +.000	.022 +.015 +.000
SG-0.875	7/8	1-1/4	3/16	.187 +.004 +.000	.875 +.001 -.002	1.197 +.000 -.010	1.247 +.006 +.000	.022 +.015 +.000
SG-1.000	1	1-3/8	3/16	.187 +.004 +.000	1.000 +.001 -.002	1.322 +.000 -.010	1.372 +.006 +.000	.022 +.015 +.000
SG-1.125	1-1/8	1-1/2	3/16	.187 +.004 +.000	1.125 +.001 -.002	1.447 +.000 -.010	1.497 +.006 +.000	.022 +.015 +.000
SG-1.250	1-1/4	1-5/8	3/16	.187 +.004 +.000	1.250 +.001 -.002	1.572 +.000 -.010	1.622 +.006 +.000	.022 +.015 +.000
SG-1.375	1-3/8	1-3/4	3/16	.187 +.004 +.000	1.375 +.001 -.002	1.697 +.000 -.010	1.747 +.006 +.000	.022 +.015 +.000
SG-1.500	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 +.001 -.002	1.822 +.000 -.010	1.872 +.006 +.000	.022 +.015 +.000
SG-1.625	1-5/8	2	3/16	.187 +.004 +.000	1.625 +.001 -.002	1.947 +.000 -.010	1.997 +.006 +.000	.022 +.015 +.000
SG-1.750	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 +.001 -.002	2.072 +.000 -.010	2.122 +.006 +.000	.022 +.015 +.000
SG-2.000	2	2-1/2	1/4	.249 +.004 +.000	2.000 +.001 -.002	2.430 +.000 -.010	2.497 +.006 +.000	.030 +.015 +.000
SG-2.250	2-1/4	2-3/4	1/4	.249 +.004 +.000	2.250 +.001 -.002	2.680 +.000 -.010	2.747 +.006 +.000	.030 +.015 +.000
SG-2.500	2-1/2	3	1/4	.249 +.004 +.000	2.500 +.001 -.002	2.930 +.000 -.010	2.997 +.006 +.000	.030 +.015 +.000
SG-3.000	3	3-1/2	1/4	.249 +.004 +.000	3.000 +.001 -.002	3.430 +.000 -.010	3.497 +.006 +.000	.030 +.015 +.000
SG-3.500	3-1/2	4	1/4	.249 +.004 +.000	3.500 +.001 -.002	3.930 +.000 -.010	3.997 +.006 +.000	.030 +.015 +.000
SG-4.000	4	4-1/2	1/4	.249 +.004 +.000	4.000 +.001 -.002	4.430 +.000 -.010	4.497 +.006 +.000	.030 +.015 +.000

STYLE AN URETHANE WIPER RINGS

Suffix "SH" designates slotted heel design, "V" designates fluorocarbon material, and "B" designates carboxilated nitrile material.

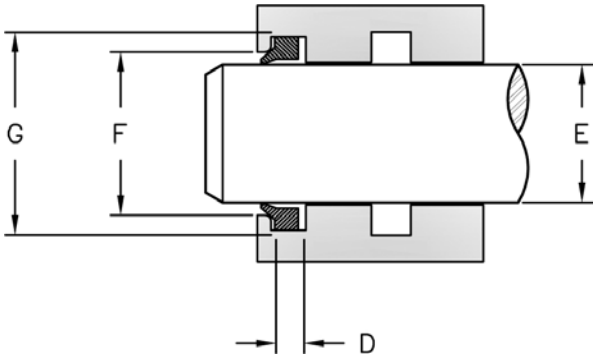


PART NUMBERS

AN - 01

Prefix Size

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
AN-01	1/2	3/4	7/64	.187	.107 ±.003	.500 +.000 -.002	.647 +.005 +.000	.760 +.004 +.000	.104
AN-01-SH	1/2	3/4	7/64	.187	.107 ±.003	.500 +.000 -.002	.647 +.005 +.000	.760 +.004 +.000	.104
AN-02	9/16	13/16	7/64	.187	.107 ±.003	.562 +.000 -.002	.710 +.005 +.000	.823 +.004 +.000	.104
AN-03	5/8	7/8	7/64	.187	.107 ±.003	.625 +.000 -.002	.772 +.005 +.000	.885 +.004 +.000	.104
AN-03-SH	5/8	7/8	7/64	.187	.107 ±.003	.625 +.000 -.002	.772 +.005 +.000	.885 +.004 +.000	.104
AN-04	11/16	15/16	7/64	.187	.107 ±.003	.687 +.000 -.002	.834 +.005 +.000	.948 +.004 +.000	.104
AN-05	3/4	1	7/64	.187	.107 ±.003	.750 +.000 -.002	.897 +.005 +.000	1.010 +.004 +.000	.104
AN-05-N	3/4	1	7/64	.187	.107 ±.003	.750 +.000 -.002	.897 +.005 +.000	1.010 +.004 +.000	.104
AN-05-SH	3/4	1	7/64	.187	.107 ±.003	.750 +.000 -.002	.897 +.005 +.000	1.010 +.004 +.000	.104
AN-05V	3/4	1	7/64	.187	.107 ±.003	.750 +.000 -.002	.897 +.005 +.000	1.010 +.004 +.000	.104
AN-06	13/16	1-1/16	7/64	.187	.107 ±.003	.812 +.000 -.002	.960 +.005 +.000	1.084 +.004 +.000	.104
AN-06-SH	13/16	1-1/16	7/64	.187	.107 ±.003	.812 +.000 -.002	.960 +.005 +.000	1.084 +.004 +.000	.104
AN-07	7/8	1-1/8	7/64	.187	.107 ±.003	.875 +.000 -.002	1.023 +.005 +.000	1.147 +.004 +.000	.104
AN-07-SH	7/8	1-1/8	7/64	.187	.107 ±.003	.875 +.000 -.002	1.023 +.005 +.000	1.147 +.004 +.000	.104

STYLE AN URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
AN-07A	7/8	1-1/8	7/64	.140	.107 ±.003	.875 +.000 -.002	1.023 +.005 +.000	1.118 +.004 +.000	.104
AN-07A-T	7/8	1-1/8	7/64	.140	.107 ±.003	.875 +.000 -.002	1.023 +.005 +.000	1.118 +.004 +.000	.104
AN-08	15/16	1-3/16	7/64	.187	.107 ±.003	.937 +.000 -.002	1.085 +.005 +.000	1.209 +.004 +.000	.104
AN-09	1	1-1/4	7/64	.187	.107 ±.003	1.000 +.000 -.002	1.148 +.005 +.000	1.272 +.004 +.000	.104
AN-09-SH	1	1-1/4	7/64	.187	.107 ±.003	1.000 +.000 -.002	1.148 +.005 +.000	1.272 +.004 +.000	.104
AN-09B	1	1-1/4	7/64	.187	.107 ±.003	1.000 +.000 -.002	.148 +.005 +.000	1.272 +.004 +.000	.104
AN-09V	1	1-1/4	7/64	.187	.107 ±.003	1.000 +.000 -.002	1.148 +.005 +.000	1.272 +.004 +.000	.104
AN-10	1-1/16	1-5/16	7/64	.187	.107 ±.003	1.062 +.000 -.002	1.210 +.005 +.000	1.334 +.004 +.000	.104
AN-11	1-1/8	1-3/8	7/64	.187	.107 ±.003	1.125 +.000 -.002	1.273 +.005 +.000	1.397 +.004 +.000	.104
AN-11-SH	1-1/8	1-3/8	7/64	.187	.107 ±.003	1.125 +.000 -.002	1.273 +.005 +.000	1.397 +.004 +.000	.104
AN-12	1-3/16	1-7/16	7/64	.187	.107 ±.003	1.187 +.000 -.002	1.335 +.005 +.000	1.459 +.004 +.000	.104
AN-13B	1-1/4	1-1/2	.104	.150	.107 ±.003	1.250 +.000 -.002	1.398 +.005 +.000	1.522 +.004 +.000	.104
AN-13	1-1/4	1-1/2	7/64	.187	.107 ±.003	1.250 +.000 -.002	1.398 +.005 +.000	1.522 +.004 +.000	.104
AN-13-SH	1-1/4	1-1/2	7/64	.187	.107 ±.003	1.250 +.000 -.002	1.398 +.005 +.000	1.522 +.004 +.000	.104
AN-13V	1-1/4	1-1/2	7/64	.187	.107 ±.003	1.250 +.000 -.002	1.398 +.005 +.000	1.522 +.004 +.000	.104
AN-14	1-5/16	1-5/8	7/64	.187	.107 ±.003	1.312 +.000 -.002	1.480 +.005 +.000	1.614 +.004 +.000	.104
AN-15	1-3/8	1-11/16	7/64	.187	.107 ±.003	1.375 +.000 -.002	1.542 +.005 +.000	1.677 +.004 +.000	.104
AN-15-SH	1-3/8	1-11/16	7/64	.187	.107 ±.003	1.375 +.000 -.002	1.542 +.005 +.000	1.677 +.004 +.000	.104
AN-15V	1-3/8	1-11/16	7/64	.187	.107 ±.003	1.375 +.000 -.002	1.542 +.005 +.000	1.677 +.004 +.000	.104
AN-16	1-7/16	1-3/4	7/64	.187	.107 ±.003	1.437 +.000 -.002	1.605 +.005 +.000	1.739 +.004 +.000	.104
AN-17A	1-1/2	1-3/4	7/64	.140	.107 ±.003	1.500 +.000 -.002	1.668 +.005 +.000	1.738 +.005 +.000	.104
AN-17	1-1/2	1-13/16	7/64	.187	.107 ±.003	1.500 +.000 -.002	1.668 +.005 +.000	1.802 +.004 +.000	.104
AN-17-SH	1-1/2	1-13/16	7/64	.187	.107 ±.003	1.500 +.000 -.002	1.668 +.005 +.000	1.802 +.004 +.000	.104
AN-17V	1-1/2	1-13/16	7/64	.187	.107 ±.003	1.500 +.000 -.002	1.668 +.005 +.000	1.802 +.004 +.000	.104
AN-18	1-5/8	1-15/16	7/64	.187	.107 ±.003	1.625 +.000 -.002	1.793 +.005 +.000	1.927 +.004 +.000	.104
AN-18-SH	1-5/8	1-15/16	7/64	.187	.107 ±.003	1.625 +.000 -.002	1.793 +.005 +.000	1.927 +.004 +.000	.104
AN-19	1-3/4	2-1/16	7/64	.187	.107 ±.003	1.750 +.000 -.002	1.918 +.005 +.000	2.052 +.004 +.000	.104
AN-19-SH	1-3/4	2-1/16	7/64	.187	.107 ±.003	1.750 +.000 -.002	1.918 +.005 +.000	2.052 +.004 +.000	.104
AN-20	1-7/8	2-1/8	7/64	.187	.107 ±.003	1.875 +.000 -.002	2.043 +.005 +.000	2.117 +.004 +.000	.104
AN-21	2	2-5/16	7/64	.187	.107 ±.003	2.000 +.000 -.002	2.178 +.005 +.000	2.302 +.004 +.000	.104

STYLE AN URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
AN-21-SH	2	2-5/16	7/64	.187	.107 ±.003	2.000 +.000 -.002	2.178 +.005 +.000	2.302 +.004 +.000	.104
AN-21V	2	2-5/16	7/64	.187	.107 ±.003	2.000 +.000 -.002	2.178 +.005 +.000	2.302 +.004 +.000	.104
AN-22	2-1/8	2-7/16	7/64	.187	.107 ±.003	2.125 +.000 -.003	2.303 +.005 +.000	2.427 +.004 +.000	.104
AN-22-SH	2-1/8	2-7/16	7/64	.187	.107 ±.003	2.125 +.000 -.003	2.303 +.005 +.000	2.427 +.004 +.000	.104
AN-23	2-1/4	2-9/16	7/64	.187	.107 ±.003	2.250 +.000 -.003	2.428 +.005 +.000	2.552 +.004 +.000	.104
AN-23-SH	2-1/4	2-9/16	7/64	.187	.107 ±.003	2.250 +.000 -.003	2.428 +.005 +.000	2.552 +.004 +.000	.104
AN-23B	2-1/4	2-9/16	7/64	.187	.107 ±.003	2.250 +.0000 -.0029	2.428 +.005 +.000	2.552 +.004 +.000	.104
AN-24	2-3/8	2-11/16	7/64	.187	.107 ±.003	2.375 +.000 -.003	2.553 +.005 +.000	2.677 +.004 +.000	.104
AN-25	2-1/2	2-13/16	7/64	.187	.107 ±.003	2.500 +.000 -.003	2.678 +.005 +.000	2.802 +.004 +.000	.104
AN-25-SH	2-1/2	2-13/16	7/64	.187	.107 ±.003	2.500 +.000 -.003	2.678 +.005 +.000	2.802 +.004 +.000	.104
AN-25V	2-1/2	2-13/16	7/64	.187	.107 ±.003	2.500 +.000 -.003	2.678 +.005 +.000	2.802 +.004 +.000	.104
AN-26	2-5/8	3	1/8	.211	.122 ±.003	2.625 +.000 -.003	2.834 +.005 +.000	2.989 +.004 +.000	.119
AN-26-SH	2-5/8	3	1/8	.211	.122 ±.003	2.625 +.000 -.003	2.834 +.005 +.000	2.989 +.004 +.000	.119
AN-27	2-3/4	3-1/8	1/8	.211	.122 ±.003	2.750 +.000 -.003	2.959 +.005 +.000	3.114 +.004 +.000	.119
AN-27-SH	2-3/4	3-1/8	1/8	.211	.122 ±.003	2.750 +.000 -.003	2.959 +.005 +.000	3.114 +.004 +.000	.119
AN-28	2-7/8	3-1/4	1/8	.211	.122 ±.003	2.875 +.000 -.003	3.084 +.005 +.000	3.239 +.004 +.000	.119
AN-28-SH	2-7/8	3-1/4	1/8	.211	.122 ±.003	2.875 +.000 -.003	3.084 +.005 +.000	3.239 +.004 +.000	.119
AN-29	3	3-3/8	1/8	.211	.122 ±.003	3.000 +.000 -.003	3.209 +.005 +.000	3.364 +.004 +.000	.119
AN-29-SH	3	3-3/8	1/8	.211	.122 ±.003	3.000 +.000 -.003	3.209 +.005 +.000	3.364 +.004 +.000	.119
AN-30	3-1/8	3-1/2	1/8	.211	.122 ±.003	3.125 +.000 -.003	3.334 +.005 +.000	3.489 +.004 +.000	.119
AN-31	3-1/4	3-5/8	1/8	.211	.122 ±.003	3.250 +.000 -.003	3.459 +.005 +.000	3.614 +.004 +.000	.119
AN-31-SH	3-1/4	3-5/8	1/8	.211	.122 ±.003	3.250 +.000 -.003	3.459 +.005 +.000	3.614 +.004 +.000	.119
AN-32	3-3/8	3-3/4	1/8	.211	.122 ±.003	3.375 +.000 -.003	3.584 +.005 +.000	3.739 +.004 +.000	.119
AN-33	3-1/2	3-7/8	1/8	.211	.122 ±.003	3.500 +.000 -.003	3.709 +.005 +.000	3.864 +.004 +.000	.119
AN-33-SH	3-1/2	3-7/8	1/8	.211	.122 ±.003	3.500 +.000 -.003	3.709 +.005 +.000	3.864 +.004 +.000	.119
AN-34	3-5/8	4	1/8	.211	.122 ±.003	3.625 +.000 -.003	3.834 +.005 +.000	3.989 +.004 +.000	.119
AN-35	3-3/4	4-1/8	1/8	.211	.122 ±.003	3.750 +.000 -.003	3.959 +.005 +.000	4.114 +.004 +.000	.119
AN-35-SH	3-3/4	4-1/8	1/8	.211	.122 ±.003	3.750 +.000 -.003	3.959 +.005 +.000	4.114 +.004 +.000	.119
AN-36	3-7/8	4-1/4	1/8	.211	.122 ±.003	3.875 +.000 -.003	4.084 +.005 +.000	4.239 +.004 +.000	.119
AN-37	4	4-7/16	9/64	.238	.138 ±.003	4.000 +.000 -.003	4.240 +.005 +.000	4.427 +.004 +.000	.135

STYLE AN URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
AN-37-SH	4	4-7/16	9/64	.238	.138 ±.003	4.000 +.000 -.003	4.240 +.005 +.000	4.427 +.004 +.000	.135
AN-37V	4	4-7/16	9/64	.238	.138 ±.003	4.000 +.000 -.003	4.240 +.005 +.000	4.427 +.004 +.000	.135
AN-38	4-1/8	4-9/16	9/64	.238	.138 ±.003	4.125 +.000 -.003	4.365 +.005 +.000	4.552 +.004 +.000	.135
AN-39	4-1/4	4-11/16	9/64	.238	.138 ±.003	4.250 +.000 -.003	4.490 +.005 +.000	4.677 +.004 +.000	.135
AN-40	4-3/8	4-3/8	9/64	.238	.138 ±.003	4.375 +.000 -.003	4.615 +.005 +.000	4.372 +.004 +.000	.135
AN-41	4-1/2	4-15/16	9/64	.238	.138 ±.003	4.500 +.000 -.003	4.740 +.005 +.000	4.927 +.004 +.000	.135
AN-41-SH	4-1/2	4-15/16	9/64	.238	.138 ±.003	4.500 +.000 -.003	4.740 +.005 +.000	4.927 +.004 +.000	.135
AN-42	4-5/8	5-1/16	9/64	.238	.138 ±.003	4.625 +.000 -.003	4.865 +.005 +.000	5.052 +.004 +.000	.135
AN-43	4-3/4	5-3/16	9/64	.238	.138 ±.003	4.750 +.000 -.003	4.990 +.005 +.000	5.177 +.004 +.000	.135
AN-44	4-7/8	5-5/16	9/64	.238	.138 ±.003	4.875 +.000 -.003	5.115 +.005 +.000	5.302 +.004 +.000	.135
AN-45	5	5-7/16	9/64	.238	.138 ±.003	5.000 +.000 -.003	5.240 +.005 +.000	5.427 +.004 +.000	.135
AN-45-SH	5	5-7/16	9/64	.238	.138 ±.003	5.000 +.000 -.003	5.240 +.005 +.000	5.427 +.004 +.000	.135
AN-46	5-1/8	5-9/16	9/64	.238	.138 ±.003	5.125 +.000 -.003	5.365 +.005 +.000	5.552 +.004 +.000	.135
AN-47	5-1/4	5-11/16	9/64	.238	.138 ±.003	5.250 +.000 -.003	5.490 +.005 +.000	5.677 +.004 +.000	.135
AN-48	5-3/8	5-13/16	9/64	.238	.138 ±.003	5.375 +.000 -.003	5.615 +.005 +.000	5.802 +.004 +.000	.135
AN-49	5-1/2	5-15/16	9/64	.238	.138 ±.003	5.500 +.000 -.003	5.740 +.005 +.000	5.927 +.004 +.000	.135
AN-50	5-5/8	6-1/8	5/32	.264	.154 ±.003	5.625 +.000 -.003	5.896 +.005 +.000	6.114 +.004 +.000	.151
AN-51	5-3/4	6-1/4	5/32	.264	.154 ±.003	5.750 +.000 -.003	6.022 +.005 +.000	6.239 +.004 +.000	.151
AN-52	5-7/8	6-3/8	5/32	.264	.154 ±.003	5.875 +.000 -.003	6.146 +.005 +.000	6.364 +.004 +.000	.151
AN-53	6	6-1/2	5/32	.264	.154 ±.003	6.000 +.000 -.003	6.272 +.005 +.000	6.489 +.004 +.000	.151
AN-54	6-1/4	6-3/4	5/32	.264	.154 ±.003	6.250 +.000 -.003	6.522 +.005 +.000	6.739 +.004 +.000	.151
AN-55	6-1/2	7	5/32	.264	.154 ±.003	6.500 +.000 -.004	6.772 +.005 +.000	6.989 +.005 +.000	.151
AN-56	6-3/4	7-1/4	5/32	.264	.154 ±.003	6.750 +.000 -.004	7.022 +.005 +.000	7.239 +.005 +.000	.151
AN-57	7	7-1/2	5/32	.264	.154 ±.003	7.000 +.000 -.004	7.272 +.005 +.000	7.489 +.005 +.000	.151
AN-58	7-1/4	7-3/4	5/32	.264	.154 ±.003	7.250 +.000 -.004	7.522 +.005 +.000	7.739 +.005 +.000	.151
AN-59	7-1/2	8	5/32	.264	.154 ±.003	7.500 +.000 -.004	7.772 +.005 +.000	7.989 +.005 +.000	.151
AN-60	7-3/4	8-1/4	5/32	.264	.154 ±.003	7.750 +.000 -.004	8.022 +.005 +.000	8.239 +.005 +.000	.151
AN-61	8	8-1/2	5/32	.264	.154 ±.003	8.000 +.000 -.004	8.272 +.005 +.000	8.489 +.005 +.000	.151
AN-62	8-1/2	9	5/32	.264	.154 ±.003	8.500 +.000 -.004	8.772 +.005 +.000	8.989 +.005 +.000	.151
AN-63	9	9-1/2	5/32	.264	.154 ±.003	9.000 +.000 -.005	9.272 +.010 +.000	9.489 +.005 +.000	.151

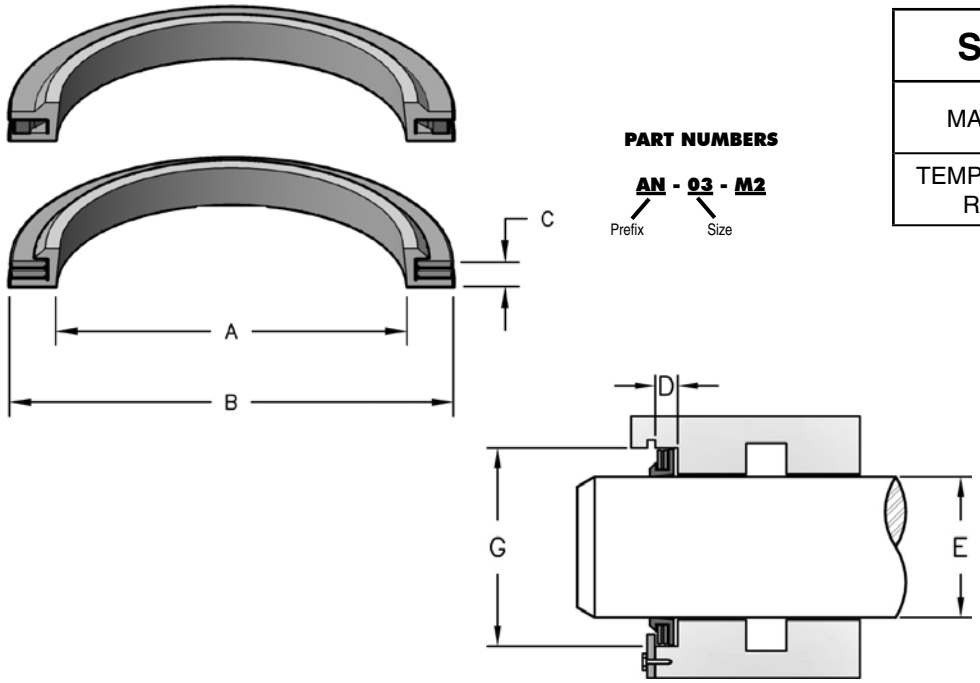
STYLE AN URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
AN-E9-1/4	9-1/4	9-3/4	5/32	.264	.154 ±.003	9.250 +.000 -.002	9.522 +.005 +.000	9.739 +.004 +.000	.151
AN-64	9-1/2	10	5/32	.264	.154 ±.003	9.500 +.000 -.005	9.772 +.010 +.000	9.989 +.005 +.000	.151
AN-65	10	10-1/2	5/32	.264	.154 ±.003	10.000 +.000 -.005	10.272 +.010 +.000	10.489 +.005 +.000	.151
AN-66	10-1/2	11	5/32	.264	.154 ±.003	10.500 +.000 -.005	10.772 +.010 +.000	10.989 +.005 +.000	.151
AN-67	11	11-1/2	5/32	.264	.154 ±.003	11.000 +.000 -.005	11.272 +.010 +.000	11.489 +.005 +.000	.151
AN-69	12	12-1/2	11/64	.289	.169 ±.003	12.000 +.000 -.005	12.272 +.010 +.000	12.489 +.005 +.000	.166

Seal color may vary.

STYLE AN-M2 BRASS WIPER RINGS

Style AN-M2 scrapers conform to MS28776-M2 sizes and are manufactured in brass. The scrapers are suitable for extreme environments with aggressive contaminants. The unique spring-loaded construction and ductile material result in close rod contact even when coping with rod ovality and helix grinding patterns.



PART NUMBERS

AN - 03 - M2

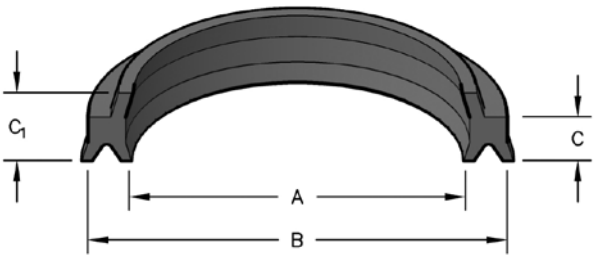
Prefix Size

SEAL INFORMATION	
MATERIAL	BRASS
TEMPERATURE RANGE	-30° TO +300° F

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
AN-03-M2	5/8	7/8	7/64	.104	.625	.885
AN-05-M2	3/4	1	7/64	.104	.750	1.010
AN-09-M2	1	1-7/32	7/64	.104	1.000	1.272
AN-13-M2	1-1/4	1-15/32	7/64	.104	1.250	1.522
AN-15-M2	1-3/8	1-21/32	7/64	.104	1.375	1.677
AN-17-M2	1-1/2	1-25/32	7/64	.104	1.500	1.802
AN-19-M2	1-3/4	2-1/32	7/64	.104	1.750	2.052
AN-21-M2	2	2-9/32	7/64	.104	2.000	2.302
AN-23-M2	2-1/4	2-17/32	7/64	.104	2.250	2.552
AN-25-M2	2-1/2	2-25/32	7/64	.104	2.500	2.802
AN-27-M2	2-3/4	3-3/32	1/8	.119	2.750	3.114
AN-29-M2	3	3-11/32	1/8	.119	3.000	3.364
AN-33-M2	3-1/2	3-27/32	1/8	.119	3.500	3.864
AN-37-M2	4	4-13/32	9/64	.135	4.000	4.427
AN-41-M2	4-1/2	4-29/32	9/64	.135	4.500	4.927
AN-45-M2	5	5-13/32	9/64	.135	5.000	5.427

STYLE HW URETHANE WIPER RINGS

Suffix "V" designates fluorocarbon material,"N" designates nitrile material, and "HT" designates high temperature urethane.

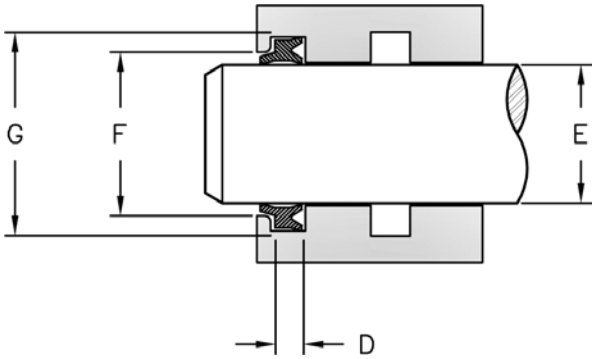


PART NUMBERS

HW - 0500

Prefix Size

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F N: -40° TO +225° F V: -20° TO +350° F HT: -40° TO +225° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
HW-0500	1/2	13/16	.194	.245	.203 +.005 +.000	.500 +.000 -.002	.620 +.002 +.000	.802 +.002 +.000	.194
HW-0500N	1/2	13/16	.194	.245	.203 +.005 +.000	.500 +.000 -.002	.620 +.002 +.000	.802 +.002 +.000	.194
HW-0500V	1/2	13/16	.194	.245	.203 +.005 +.000	.500 +.000 -.002	.620 +.002 +.000	.802 +.002 +.000	.194
HW-0625N	5/8	15/16	.189	.245	.198 +.005 +.000	.625 +.000 -.002	.745 +.002 +.000	.927 +.002 +.000	.189
HW-0625	5/8	15/16	.194	.245	.203 +.005 +.000	.625 +.000 -.002	.745 +.002 +.000	.927 +.002 +.000	.194
HW-0625-2N	5/8	15/16	.194	.311	.203 +.005 +.000	.625 +.000 -.002		.927 +.002 +.000	.194
HW-0625V	5/8	15/16	.194	.245	.203 +.005 +.000	.625 +.000 -.002	.745 +.002 +.000	.927 +.002 +.000	.194
HW-0625-1	5/8	1	.194	.245	.203 +.005 +.000	.625 +.000 -.002		.990 +.002 +.000	.194
HW-0625-1N	5/8	1	.194	.245	.203 +.005 +.000	.625 +.000 -.002		.990 +.002 +.000	.194
HW-0750	3/4	1-1/16	.194	.245	.203 +.005 +.000	.750 +.000 -.002	.870 +.002 +.000	1.052 +.002 +.000	.194
HW-0750N	3/4	1-1/16	.194	.245	.203 +.005 +.000	.750 +.000 -.002	.870 +.002 +.000	1.052 +.002 +.000	.194
HW-0750V	3/4	1-1/16	.194	.245	.203 +.005 +.000	.750 +.000 -.002	.870 +.002 +.000	1.052 +.002 +.000	.194
HW-0875	7/8	1-1/4	.212	.275	.218 +.005 +.000	.875 +.000 -.002	1.010 +.002 +.000	1.240 +.002 +.000	.212
HW-0875N	7/8	1-1/4	.212	.275	.218 +.005 +.000	.875 +.000 -.002	1.010 +.002 +.000	1.240 +.002 +.000	.212
HW-0937	15/16	1-5/16	.212	.275	.218 +.005 +.000	.937 +.000 -.002	1.072 +.002 +.000	1.302 +.002 +.000	.212

STYLE HW URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
HW-1000	1	1-3/8	.212	.275	.218 +.005 +.000	1.000 +.000 -.002	1.135 +.002 +.000	1.365 +.002 +.000	.212
HW-1000N	1	1-3/8	.212	.275	.218 +.005 +.000	1.000 +.000 -.002	1.135 +.002 +.000	1.365 +.002 +.000	.212
HW-1000U	1	1-3/8	.212	.275	.218 +.005 +.000	1.000 +.000 -.002	1.135 +.002 +.000	1.365 +.002 +.000	.212
HW-1000V	1	1-3/8	.212	.275	.218 +.005 +.000	1.000 +.000 -.002	1.135 +.002 +.000	1.365 +.002 +.000	.212
HW-1125	1-1/8	1-1/2	.212	.275	.218 +.005 +.000	1.125 +.000 -.002	1.260 +.002 +.000	1.490 +.002 +.000	.212
HW-1250	1-1/4	1-5/8	.212	.275	.218 +.005 +.000	1.250 +.000 -.002	1.385 +.002 +.000	1.615 +.002 +.000	.212
HW-1250N	1-1/4	1-5/8	.212	.275	.218 +.005 +.000	1.250 +.000 -.002	1.385 +.002 +.000	1.615 +.002 +.000	.212
HW-1375	1-3/8	1-3/4	.212	.275	.218 +.005 +.000	1.375 +.000 -.002	1.510 +.002 +.000	1.740 +.002 +.000	.212
HW-1375HT	1-3/8	1-3/4	.212	.275	.218 +.005 +.000	1.375 +.000 -.002	1.510 +.002 +.000	1.740 +.002 +.000	.212
HW-1375N	1-3/8	1-3/4	.212	.275	.218 +.005 +.000	1.375 +.000 -.002	1.510 +.002 +.000	1.740 +.002 +.000	.212
HW-1375V	1-3/8	1-3/4	.212	.275	.218 +.005 +.000	1.375 +.000 -.002	1.510 +.002 +.000	1.740 +.002 +.000	.212
HW-1500	1-1/2	1-7/8	.212	.275	.218 +.005 +.000	1.500 +.000 -.002	1.635 +.002 +.000	1.865 +.002 +.000	.212
HW-1500N	1-1/2	1-7/8	.212	.275	.218 +.005 +.000	1.500 +.000 -.002	1.635 +.002 +.000	1.865 +.002 +.000	.212
HW-1625	1-5/8	2	.212	.275	.218 +.005 +.000	1.625 +.000 -.002	1.760 +.002 +.000	1.990 +.002 +.000	.212
HW-1751	1-3/4	2-1/8	.168	.285	.174 +.005 +.000	1.750 +.000 -.002		2.115 +.002 +.000	.168
HW-1750	1-3/4	2-1/8	.212	.275	.218 +.005 +.000	1.750 +.000 -.002	1.885 +.002 +.000	2.115 +.002 +.000	.212
HW-1750N	1-3/4	2-1/8	.212	.275	.218 +.005 +.000	1.750 +.000 -.002	1.885 +.002 +.000	2.115 +.002 +.000	.212
HW-1750V	1-3/4	2-1/8	.212	.275	.218 +.005 +.000	1.750 +.000 -.002	1.885 +.002 +.000	2.115 +.002 +.000	.212
HW-1875	1-7/8	2-1/4	.212	.275	.218 +.005 +.000	1.875 +.000 -.002	2.010 +.002 +.000	2.240 +.002 +.000	.212
HW-1875N	1-7/8	2-1/4	.212	.275	.218 +.005 +.000	1.875 +.000 -.002	2.010 +.002 +.000	2.240 +.002 +.000	.212
HW-2000	2	2-3/8	.212	.275	.218 +.005 +.000	2.000 +.000 -.002	2.135 +.002 +.000	2.365 +.002 +.000	.212
HW-2000N	2	2-3/8	.212	.275	.218 +.005 +.000	2.000 +.000 -.002	2.135 +.002 +.000	2.365 +.002 +.000	.212
HW-2000V	2	2-3/8	.212	.275	.218 +.005 +.000	2.000 +.000 -.002	2.135 +.002 +.000	2.365 +.002 +.000	.212
HW-2125N	2-1/8	2.49	.212		.218 +.005 +.000	2.125 +.000 -.003	2.260 +.363 +.000	2.490 +.003 +.000	.212
HW-2125	2-1/8	2-1/2	.212	.275	.218 +.005 +.000	2.125 +.000 -.003	2.260 +.003 +.000	2.490 +.003 +.000	.212
HW-2250	2-1/4	2-3/4	.275	.351	.281 +.005 +.000	2.250 +.000 -.003	2.385 +.003 +.000	2.745 +.003 +.000	.275
HW-2375N	2-3/8	2-7/8	.275	.351	.281 +.005 +.000	2.375 +.000 -.003	2.510 +.003 +.000	2.870 +.003 +.000	.275
HW-2500	2-1/2	3	.275	.351	.281 +.005 +.000	2.500 +.000 -.003	2.635 +.003 +.000	2.995 +.003 +.000	.275
HW-2500N	2-1/2	3	.275	.351	.281 +.005 +.000	2.500 +.000 -.003	2.635 +.003 +.000	2.995 +.003 +.000	.275
HW-2500V	2-1/2	3	.275	.351	.281 +.005 +.000	2.500 +.000 -.003	2.635 +.003 +.000	2.995 +.003 +.000	.275

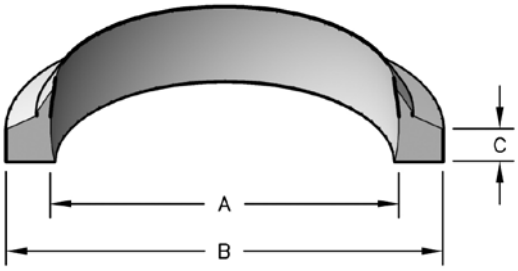
STYLE HW URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
HW-2625	2-5/8	3-1/8	.275	.351	.281 +.005 +.000	2.625 +.000 -.003	2.760 +.003 +.000	3.120 +.003 +.000	.275
HW-2750N	2-3/4	3.245	.275		.281 +.005 +.000	2.750 +.000 -.003	2.885 +.003 +.000	3.245 +.003 +.000	.275
HW-2750	2-3/4	3-1/4	.275	.351	.281 +.005 +.000	2.750 +.000 -.003	2.885 +.003 +.000	3.245 +.003 +.000	.275
HW-3000	3	3-1/2	.275	.351	.281 +.005 +.000	3.000 +.000 -.003	3.135 +.003 +.000	3.495 +.003 +.000	.275
HW-3000N	3	3-1/2	.275	.351	.281 +.005 +.000	3.000 +.000 -.003	3.135 +.003 +.000	3.495 +.003 +.000	.275
HW-3000V	3	3-1/2	.275	.351	.281 +.005 +.000	3.000 +.000 -.003	3.135 +.003 +.000	3.495 +.003 +.000	.275
HW-3250	3-1/4	3-3/4	.275	.351	.281 +.005 +.000	3.250 +.000 -.003	3.385 +.003 +.000	3.745 +.003 +.000	.275
HW-3500	3-1/2	4	.275	.351	.281 +.005 +.000	3.500 +.000 -.003	3.635 +.003 +.000	3.995 +.003 +.000	.275
HW-3500N	3-1/2	4	.275	.351	.281 +.005 +.000	3.500 +.000 -.003	3.635 +.003 +.000	3.995 +.003 +.000	.275
HW-3500V	3-1/2	4	.275	.351	.281 +.005 +.000	3.500 +.000 -.003	3.635 +.003 +.000	3.995 +.003 +.000	.275
HW-3750	3-3/4	4-1/4	.275	.351	.281 +.005 +.000	3.750 +.000 -.003	3.885 +.003 +.000	4.245 +.003 +.000	.275
HW-4000	4	4-1/2	.275	.351	.281 +.005 +.000	4.000 +.000 -.003	4.135 +.003 +.000	4.495 +.003 +.000	.275
HW-4000N	4	4-1/2	.275	.351	.281 +.005 +.000	4.000 +.000 -.003	4.135 +.003 +.000	4.495 +.003 +.000	.275
HW-4000V	4	4-1/2	.275	.351	.281 +.005 +.000	4.000 +.000 -.003	4.135 +.003 +.000	4.495 +.003 +.000	.275
HW-4250	4-1/4	4-3/4	.275	.351	.281 +.005 +.000	4.250 +.000 -.003	4.385 +.003 +.000	4.745 +.003 +.000	.275
HW-4430	4-7/16	4-15/16	.275	.351	.281 +.005 +.000	4.437 +.000 -.003		4.932 +.003 +.000	.275
HW-4500	4-1/2	5	.275	.351	.281 +.005 +.000	4.500 +.000 -.003	4.635 +.003 +.000	4.995 +.003 +.000	.275
HW-4500N	4-1/2	5	.275	.351	.281 +.005 +.000	4.500 +.000 -.003	4.635 +.003 +.000	4.995 +.003 +.000	.275
HW-4500V	4-1/2	5	.275	.351	.281 +.005 +.000	4.500 +.000 -.003	4.635 +.003 +.000	4.995 +.003 +.000	.275
HW-4750	4-3/4	5-1/4	.275	.351	.281 +.005 +.000	4.750 +.000 -.003	4.885 +.003 +.000	5.245 +.003 +.000	.275
HW-5000	5	5-1/2	.275	.351	.281 +.005 +.000	5.000 +.000 -.003	5.135 +.003 +.000	5.495 +.003 +.000	.275
HW-5000N	5	5-1/2	.275	.351	.281 +.005 +.000	5.000 +.000 -.003	5.135 +.003 +.000	5.495 +.003 +.000	.275
HW-5000V	5	5-1/2	.275	.351	.281 +.005 +.000	5.000 +.000 -.003	5.135 +.003 +.000	5.495 +.003 +.000	.275
HW-5500	5-1/2	6	.275	.351	.281 +.005 +.000	5.500 +.000 -.003	5.635 +.003 +.000	5.995 +.003 +.000	.275
HW-5500N	5-1/2	6	.275	.351	.281 +.005 +.000	5.500 +.000 -.003	5.635 +.003 +.000	5.995 +.003 +.000	.275
HW-5500V	5-1/2	6	.275	.351	.281 +.005 +.000	5.500 +.000 -.003	5.635 +.003 +.000	5.995 +.003 +.000	.275
HW-6000N	6	6-1/2	.275	.351	.281 +.005 +.000	6.000 +.000 -.003	6.135 +.003 +.000	6.495 +.003 +.000	.275
HW-6000V	6	6-1/2	.275	.351	.281 +.005 +.000	6.000 +.000 -.003	6.135 +.003 +.000	6.495 +.003 +.000	.275
HW-7000	7	7-1/2	.275	.351	.281 +.005 +.000	7.000 +.000 -.004	7.135 +.003 +.000	7.495 +.003 +.000	.275
HW-7000N	7	7-1/2	.275		.281 +.005 +.000	7.000 +.000 -.004	7.135 +.003 +.000	7.495 +.003 +.000	.275

STYLE HW URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
HW-7000V	7	7-1/2	.275	.351	.281 +.005 +.000	7.000 +.000 -.004	7.135 +.003 +.000	7.495 +.003 +.000	.275
HW-8000	8	8-1/2	.275	.351	.281 +.005 +.000	8.000 +.000 -.004	8.135 +.003 +.000	8.495 +.003 +.000	.275

STYLE BT URETHANE WIPER RINGS

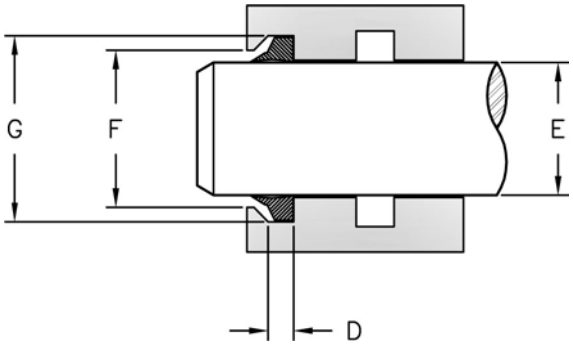


SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC

PART NUMBERS

BT 01050

Prefix Size



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
BT01050	5/8	7/8	5/32	.176 +.005 +.000	.625	.781 +.005 +.000	.885 +.005 +.000
BT01260	3/4	1-1/8	3/16	.195 +.005 +.000	.750	.860 +.005 +.000	1.135 +.005 +.000
BT01460	7/8	1-1/4	3/16	.195 +.005 +.000	.875	.985 +.005 +.000	1.260 +.005 +.000
BT11580	15/16	2-7/16	1/4	.255 +.005 +.000	.937	2.090 +.005 +.000	2.447 +.005 +.000
BT10060	1	1-3/8	3/16	.195 +.005 +.000	1.000	1.110 +.005 +.000	1.385 +.005 +.000
BT10260	1-1/8	1-1/2	3/16	.195 +.005 +.000	1.125	1.235 +.005 +.000	1.510 +.005 +.000
BT10460	1-1/4	1-5/8	3/16	.195 +.005 +.000	1.250	1.360 +.005 +.000	1.635 +.005 +.000
BT10660	1-3/8	1-3/4	3/16	.195 +.005 +.000	1.375	1.485 +.005 +.000	1.760 +.005 +.000
BT10860	1-1/2	1-7/8	3/16	.195 +.005 +.000	1.500	1.610 +.005 +.000	1.885 +.005 +.000
BT11260	1-3/4	2-1/8	3/16	.195 +.005 +.000	1.750	1.860 +.005 +.000	2.135 +.005 +.000
BT20060	2	2-3/8	3/16	.195 +.005 +.000	2.000	2.110 +.005 +.000	2.385 +.005 +.000
BT20460	2-1/4	2-5/8	3/16	.195 +.005 +.000	2.250	2.360 +.005 +.000	2.635 +.005 +.000
BT20791	2-7/16	3	.284	.286 +.005 +.000	2.437	2.633 +.005 +.000	3.010 +.005 +.000
BT20860	2-1/2	2-7/8	3/16	.195 +.005 +.000	2.500	2.610 +.005 +.000	2.885 +.005 +.000
BT20880	2-1/2	3	1/4	.255 +.005 +.000	2.500	2.700 +.005 +.000	3.010 +.005 +.000
BT21080	2-5/8	3-1/8	1/4	.255 +.005 +.000	2.625	2.777 +.005 +.000	3.135 +.005 +.000
BT21260	2-3/4	3-1/8	3/16	.195 +.005 +.000	2.750	2.827 +.005 +.000	3.135 +.005 +.000

STYLE BT URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
BT30090	2.95	3-1/2	.275	.286 +.005 +.000	2.950	3.146 +.005 +.000	3.510 +.005 +.000
BT30060	3	3-3/8	3/16	.195 +.005 +.000	3.000	3.110 +.005 +.000	3.385 +.005 +.000
BT30080	3	3-1/2	1/4	.255 +.005 +.000	3.000	3.200 +.005 +.000	3.510 +.005 +.000
BT30391	3.165	3.734	.284	.289 +.005 +.000	3.165	3.317 +.005 +.000	3.744 +.005 +.000
BT30480	3-1/4	3-3/4	1/4	.255 +.005 +.000	3.250	3.450 +.005 +.000	3.760 +.005 +.000
BT30890	3.45	4	.275	.280 +.005 +.000	3.450	3.646 +.005 +.000	4.010 +.005 +.000
BT30860	3-1/2	3-7/8	3/16	.195 +.005 +.000	3.500	3.610 +.005 +.000	3.885 +.005 +.000
BT30880	3-1/2	4	1/4	.255 +.005 +.000	3.500	3.700 +.005 +.000	4.010 +.005 +.000
BT31080	3-5/8	4-1/8	1/4	.255 +.005 +.000	3.625	3.777 +.005 +.000	4.135 +.005 +.000
BT31280	3-3/4	4-1/4	1/4	.255 +.005 +.000	3.750	3.950 +.005 +.000	4.260 +.005 +.000
BT40080	4	4-1/2	1/4	.255 +.005 +.000	4.000	4.200 +.005 +.000	4.510 +.005 +.000
BT40480	4-1/4	4-3/4	1/4	.255 +.005 +.000	4.250	4.402 +.005 +.000	4.760 +.005 +.000
BT40880	4-1/2	5	1/4	.255 +.005 +.000	4.500	4.700 +.005 +.000	5.010 +.005 +.000
BT41280	4-3/4	5-1/4	1/4	.255 +.005 +.000	4.750	4.950 +.005 +.000	5.260 +.005 +.000
BT50080	5	5-1/2	1/4	.255 +.005 +.000	5.000	5.152 +.005 +.000	5.510 +.005 +.000
BT50880	5-1/2	6	1/4	.255 +.005 +.000	5.500	5.652 +.005 +.000	6.010 +.005 +.000
BT60080	6	6-1/2	1/4	.255 +.005 +.000	6.000	6.200 +.005 +.000	6.510 +.005 +.000

Seal color may vary.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

BUNA-N WIPER CORD



STYLE KW WIPER
7580C

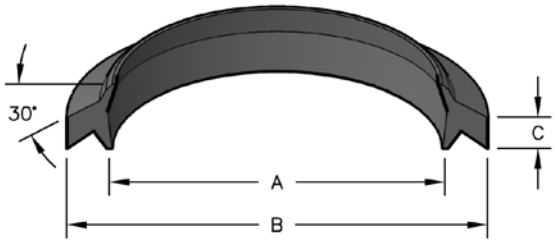


STYLE ST WIPER
7581

Part Number	C Nom. Ht	Nom. Cross Section
7580C 3/16"	3/16	3/16
7581C 3/16"	3/16	3/16
7580C 1/4"	1/4	1/4

STYLE KW URETHANE WIPER RINGS

Suffix "N" designates nitrile material.

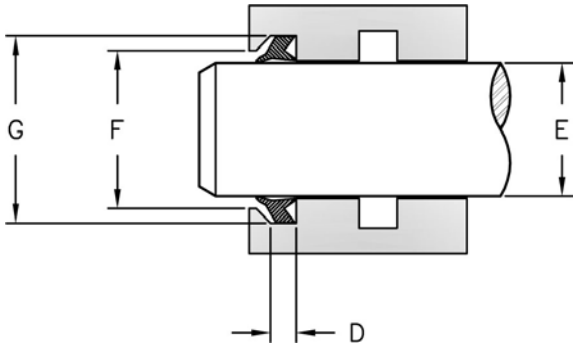


SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC

PART NUMBERS

HW - 0500

Prefix Size

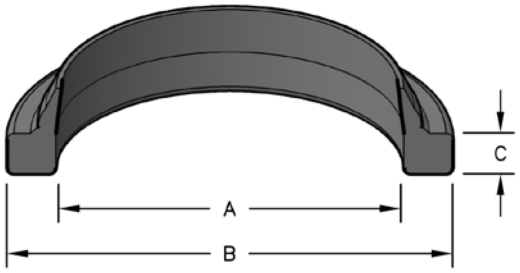


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
KW-0500	1/2	3/4	.156	.155 +.015 +.000	.500	.625 +.015 +.000	.760 +.005 +.000	.156
KW-0625	5/8	7/8	.156	.155 +.015 +.000	.625	.750 +.015 +.000	.885 +.005 +.000	.156
KW-0750	3/4	1-1/8	.19	.195 +.015 +.000	.750	.832 +.015 +.000	1.135 +.005 +.000	.190
KW-0875	7/8	1-1/4	.19	.195 +.015 +.000	.875	.957 +.015 +.000	1.260 +.005 +.000	.190
KW-1000	1	1-3/8	.19	.195 +.015 +.000	1.000	1.082 +.015 +.000	1.385 +.005 +.000	.190
KW-1125	1-1/8	1-1/2	.19	.195 +.015 +.000	1.125	1.207 +.015 +.000	1.510 +.005 +.000	.190
KW-1250	1-1/4	1-5/8	.19	.195 +.015 +.000	1.250	1.332 +.015 +.000	1.635 +.005 +.000	.190
KW-1250N	1-1/4	1-5/8	.19	.195 +.015 +.000	1.250	1.332 +.015 +.000	1.635 +.005 +.000	.190
KW-1375	1-3/8	1-3/4	.19	.195 +.015 +.000	1.375	1.457 +.015 +.000	1.760 +.005 +.000	.190
KW-1500	1-1/2	1-7/8	.19	.195 +.015 +.000	1.500	1.582 +.015 +.000	1.885 +.005 +.000	.190
KW-1625	1-5/8	2	.19	.195 +.015 +.000	1.625	1.707 +.015 +.000	2.010 +.005 +.000	.190
KW-1750	1-3/4	2-1/8	.19	.195 +.015 +.000	1.750	1.832 +.015 +.000	2.135 +.005 +.000	.190
KW-2000	2	2-3/8	.19	.195 +.015 +.000	2.000	2.082 +.015 +.000	2.385 +.005 +.000	.190
KW-2125	2-1/8	2-1/2	.19	.195 +.015 +.000	2.125	2.207 +.015 +.000	2.510 +.005 +.000	.190

STYLE KW URETHANE WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	th THICKNESS
KW-2250-1	2-1/4	2-5/8	.187	.192 +.015 +.000	2.250		2.635 +.005 +.000	.187
KW-2250	2-1/4	2-3/4	1/4	.255 +.015 +.000	2.250	2.407 +.015 +.000	2.760 +.005 +.000	.250
KW-2450N	2.45	3	.281	.286 +.015 +.000	2.450		3.010 +.005 +.000	.281
KW-2500	2-1/2	3	1/4	.255 +.015 +.000	2.500	2.657 +.015 +.000	3.010 +.005 +.000	.250
KW-2500N	2-1/2	3	1/4	.255 +.015 +.000	2.500	2.657 +.015 +.000	3.010 +.005 +.000	.250
KW-2625	2-5/8	3-1/8	1/4	.255 +.015 +.000	2.625	2.782 +.015 +.000	3.135 +.005 +.000	.250
KW-2750	2-3/4	3-1/4	1/4	.255 +.015 +.000	2.750	2.907 +.015 +.000	3.260 +.005 +.000	.250
KW-3000	3	3-1/2	1/4	.255 +.015 +.000	3.000	3.157 +.015 +.000	3.510 +.005 +.000	.250
KW-3000N	3	3-1/2	1/4	.255 +.015 +.000	3.000	3.157 +.015 +.000	3.510 +.005 +.000	.250
KW-3125N	3-1/8	3-5/8	1/4	.255 +.015 +.000	3.125	3.282 +.015 +.000	3.635 +.005 +.000	.250
KW-3250	3-1/4	3-3/4	1/4	.255 +.015 +.000	3.250	3.407 +.015 +.000	3.760 +.005 +.000	.250
KW-3375	3-3/8	3-7/8	1/4	.255 +.015 +.000	3.375	3.532 +.015 +.000	3.885 +.005 +.000	.250
KW-3450N	3.45	4	.243	.248 +.015 +.000	3.450		4.010 +.005 +.000	.243
KW-3500-2	3-1/2	3-7/8	.19	.195 +.015 +.000	3.500		3.885 +.005 +.000	.190
KW-3500	3-1/2	4	1/4	.255 +.015 +.000	3.500	3.657 +.015 +.000	4.010 +.005 +.000	.250
KW-3750	3-3/4	4-1/4	1/4	.255 +.015 +.000	3.750	3.907 +.015 +.000	4.260 +.005 +.000	.250
KW-3950N	3.95	4.45	1/4	.255 +.015 +.000	3.950		4.460 +.005 +.000	.250
KW-4000	4	4-1/2	1/4	.255 +.015 +.000	4.000	4.157 +.015 +.000	4.510 +.005 +.000	.250
KW-4060	4-1/16	4-9/16	1/4	.255 +.015 +.000	4.062		4.5725 +.005 +.000	.250
KW-4500	4-1/2	5	1/4	.255 +.015 +.000	4.500	4.657 +.015 +.000	5.010 +.005 +.000	.250
KW-4500N	4-1/2	5	1/4	.255 +.015 +.000	4.500	4.657 +.015 +.000	5.010 +.005 +.000	.250
KW-4750N	4-3/4	5-1/4	1/4	.255 +.015 +.000	4.750	4.907 +.015 +.000	5.260 +.005 +.000	.250
KW-4875	4-7/8	5-3/8	1/4	.255 +.015 +.000	4.875	5.032 +.015 +.000	5.385 +.005 +.000	.250
KW-5000	5	5-1/2	1/4	.255 +.015 +.000	5.000	5.157 +.015 +.000	5.510 +.005 +.000	.250
KW-5250N	5-1/4	5-3/4	1/4	.255 +.015 +.000	5.250	5.407 +.015 +.000	5.760 +.005 +.000	.250
KW-5375	5-3/8	5-7/8	1/4	.255 +.015 +.000	5.375		5.885 +.005 +.000	.250
KW-6000	6	6-1/2	1/4	.255 +.015 +.000	6.000	6.157 +.015 +.000	6.510 +.005 +.000	.250
KW-7000	7	7-1/2	1/4	.255 +.015 +.000	7.000	7.157 +.015 +.000	7.510 +.005 +.000	.250
KW-8000	8	8-1/2	1/4	.255 +.015 +.000	8.000	8.157 +.015 +.000	8.510 +.005 +.000	.250
KW-8125	8-1/8	8.63	1/4	.255 +.015 +.000	8.125		8.640 +.005 +.000	.250
KW-9125	9-1/8	9.63	1/4	.255 +.015 +.000	9.125		9.640 +.005 +.000	.250
KW-9375	9-3/8	9.89	1/4	.255 +.015 +.000	9.375		9.900 +.005 +.000	.250

STYLE SWNC WIPER RINGS

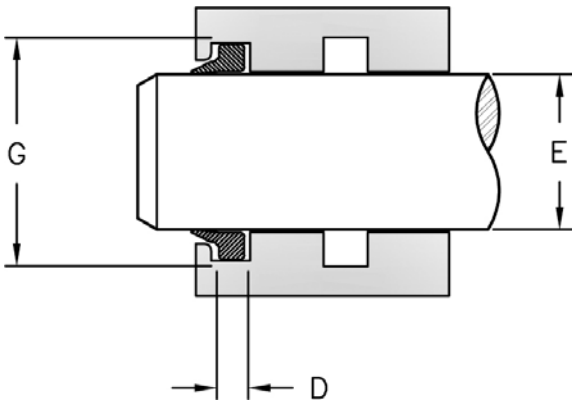


PART NUMBERS

SWNC - 062

Prefix Size

SEAL INFORMATION	
MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC

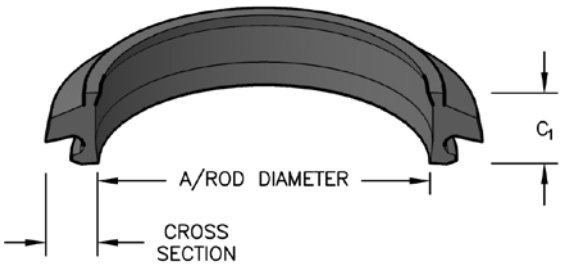


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
SWNC-62	5/8	1.02	1/8	.125 +.004 +.000	.625	1.025 +.004 +.000
SWNC-75	3/4	1.15	1/8	.125 +.004 +.000	.750	1.150 +.004 +.000
SWNC-87	7/8	1.275	1/8	.125 +.004 +.000	.875	1.275 +.004 +.000
SWNC-100	1	1-3/8	1/8	.125 +.004 +.000	1.000	1.375 +.004 +.000
SWNC-100A	1	1.4	1/8	.125 +.004 +.000	1.000	1.400 +.004 +.000
SWNC-112	1-1/8	1-5/8	1/8	.125 +.004 +.000	1.125	1.625 +.004 +.000
SWNC-125	1-1/4	1-3/4	1/8	.125 +.004 +.000	1.250	1.750 +.004 +.000
SWNC-137	1-3/8	1-7/8	1/8	.125 +.004 +.000	1.375	1.875 +.004 +.000
SWNC-150	1-1/2	2	1/8	.125 +.004 +.000	1.500	2.000 +.004 +.000
SWNC-162	1-5/8	2-1/8	1/8	.125 +.004 +.000	1.625	2.125 +.004 +.000
SWNC-175	1-3/4	2-1/4	1/8	.125 +.004 +.000	1.750	2.250 +.004 +.000
SWNC-187	1-7/8	2-3/8	1/8	.125 +.004 +.000	1.875	2.375 +.004 +.000
SWNC-200	2	2-1/2	1/8	.125 +.004 +.000	2.000	2.500 +.004 +.000
SWNC-225	2-1/4	2-3/4	1/8	.125 +.004 +.000	2.250	2.750 +.004 +.000
SWNC-237	2-3/8	2-7/8	1/8	.125 +.004 +.000	2.375	2.875 +.004 +.000
SWNC-250	2-1/2	3	1/8	.125 +.004 +.000	2.500	3.000 +.004 +.000

STYLE SWNC WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
SWNC-275	2-3/4	3-1/4	1/8	.125 +.004 +.000	2.750	3.250 +.004 +.000
SWNC-300	3	3-1/2	1/8	.125 +.004 +.000	3.000	3.500 +.004 +.000
SWNC-325	3-1/4	4	3/16	.187 +.004 +.000	3.250	4.000 +.004 +.000
SWNC-337	3-3/8	4-1/8	3/16	.187 +.004 +.000	3.375	4.125 +.004 +.000
SWNC-350	3-1/2	4-1/4	3/16	.187 +.004 +.000	3.500	4.250 +.004 +.000
SWNC-400	4	4-3/4	3/16	.187 +.004 +.000	4.000	4.750 +.004 +.000
SWNC-425	4-1/4	5	3/16	.187 +.004 +.000	4.250	5.000 +.004 +.000
SWNC-450	4-1/2	5-1/4	3/16	.187 +.004 +.000	4.500	5.250 +.004 +.000
SWNC-500	5	5-3/4	3/16	.187 +.004 +.000	5.000	5.750 +.004 +.000

CASCADE WIPERS



PART NUMBERS

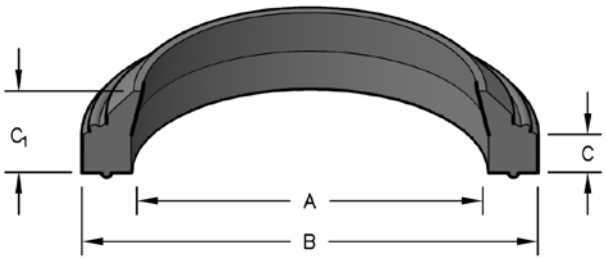
CAS - 605609

Prefix — Size

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-65° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	C_1 OVERALL HEIGHT	E ROD DIAMETER	C HEIGHT	CROSS SECTION
CAS-605609	2.7	.485	2.700	.485	.330 ±.005
CAS-605648	2.825	.485	2.825	.485	.330 ±.005
CAS-605611	3.2	.485	3.200	.485	.330 ±.005
CAS-605613	3.7	.485	3.700	.485	.330 ±.005
CAS-605620	5.45	.485	5.450	.485	.330 ±.005

STYLE SWSN WIPERS

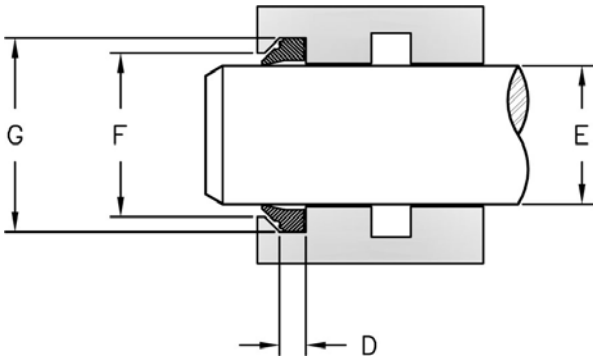


PART NUMBERS

SWSN - 100

Prefix Size

SEAL INFORMATION	
MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC

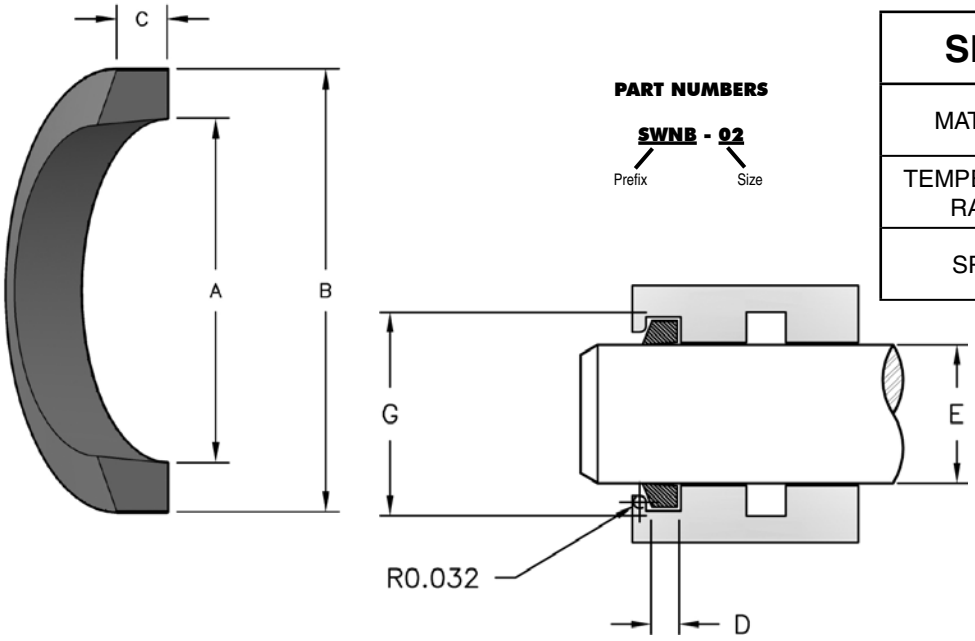


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
SWSN-100	1	1-1/2	13/64	.400	.208 +.008 +.000	1.000	1.250 +.008 +.000	1.500 +.008 +.000
SWSN-112	1-1/8	1-5/8	13/64	.400	.208 +.008 +.000	1.125	1.375 +.008 +.000	1.625 +.008 +.000
SWSN-125	1-1/4	1-3/4	13/64	.400	.208 +.008 +.000	1.250	1.500 +.008 +.000	1.750 +.008 +.000
SWSN-150	1-1/2	2	13/64	.400	.208 +.008 +.000	1.500	1.750 +.008 +.000	2.000 +.008 +.000
SWSN-175A	1-3/4	2-1/8	13/64	.400	.208 +.008 +.000	1.750	1.937 +.008 +.000	2.125 +.008 +.000
SWSN-175	1-3/4	2-1/4	13/64	.400	.208 +.008 +.000	1.750	2.000 +.008 +.000	2.250 +.008 +.000
SWSN-187	1-7/8	2-3/8	13/64	.400	.208 +.008 +.000	1.875	2.125 +.008 +.000	2.375 +.008 +.000
SWSN-200	2	2-1/2	13/64	.400	.208 +.008 +.000	2.000	2.250 +.008 +.000	2.500 +.008 +.000
SWSN-212	2-1/8	2-5/8	13/64	.400	.208 +.008 +.000	2.125	2.375 +.008 +.000	2.625 +.008 +.000
SWSN-225	2-1/4	2-3/4	13/64	.400	.208 +.008 +.000	2.250	2.500 +.008 +.000	2.750 +.008 +.000
SWSN-250	2-1/2	3	13/64	.400	.208 +.008 +.000	2.500	2.750 +.008 +.000	3.000 +.008 +.000
SWSN-275	2-3/4	3-1/4	13/64	.400	.208 +.008 +.000	2.750	3.000 +.008 +.000	3.250 +.008 +.000
SWSN-300	3	3-1/2	13/64	.400	.208 +.008 +.000	3.000	3.250 +.008 +.000	3.500 +.008 +.000
SWSN-325	3-1/4	3-3/4	13/64	.400	.208 +.008 +.000	3.250	3.500 +.008 +.000	3.750 +.008 +.000
SWSN-337	3-3/8	3-7/8	13/64	.400	.208 +.008 +.000	3.375	3.625 +.008 +.000	3.875 +.008 +.000
SWSN-350	3-1/2	4	13/64	.400	.208 +.008 +.000	3.500	3.750 +.008 +.000	4.000 +.008 +.000

STYLE SWSN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
SWSN-362	3-5/8	4-1/8	13/64	.400	.208 +.008 +.000	3.625	3.875 +.008 +.000	4.125 +.008 +.000
SWSN-400	4	4-1/2	13/64	.400	.208 +.008 +.000	4.000	4.250 +.008 +.000	4.500 +.008 +.000

STYLE SWNB WIPER RINGS



PART NUMBERS

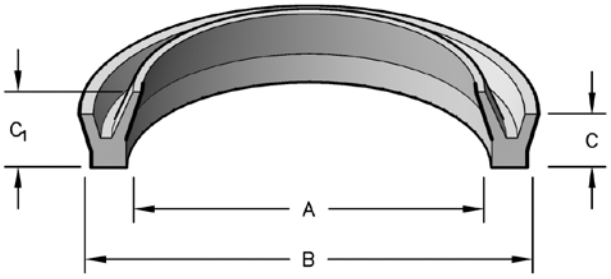
SWNB - 02

Prefix Size

SEAL INFORMATION	
MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
SWNB-62	5/8	.82	.140	.625	.820
SWNB-75	3/4	.95	.140	.750	.950
SWNB-87	7/8	1.08	.150	.875	1.080
SWNB-100	1	1.24	.160	1.000	1.240
SWNB-112	1-1/8	1-3/8	.160	1.125	1.375
SWNB-125	1-1/4	1.49	.170	1.250	1.490
SWNB-137	1-3/8	1-5/8	.170	1.375	1.625
SWNB-150	1-1/2	1.77	.180	1.500	1.770
SWNB-175	1-3/4	2.03	.190	1.750	2.030
SWNB-187	1-7/8	2.16	.190	1.875	2.160
SWNB-200	2	2.3	.200	2.000	2.300
SWNB-212	2-1/8	2.43	.210	2.125	2.430
SWNB-225	2-1/4	2.57	.210	2.250	2.570
SWNB-237	2-3/8	2.7	.220	2.375	2.700
SWNB-250	2-1/2	2.84	.220	2.500	2.840
SWNB-262	2-5/8	2.97	.230	2.625	2.970
SWNB-275	2-3/4	3.11	.230	2.750	3.110
SWNB-287	2-7/8	3.24	.240	2.875	3.240
SWNB-300	3	3.38	.240	3.000	3.380
SWNB-312	3-1/8	3-1/2	.250	3.125	3.500
SWNB-350	3-1/2	3.92	.270	3.500	3.920
SWNB-362	3-5/8	4.05	.270	3.625	4.050
SWNB-375	3-3/4	4.19	.280	3.750	4.190

STYLE CSW SNAP-IN WIPER RINGS

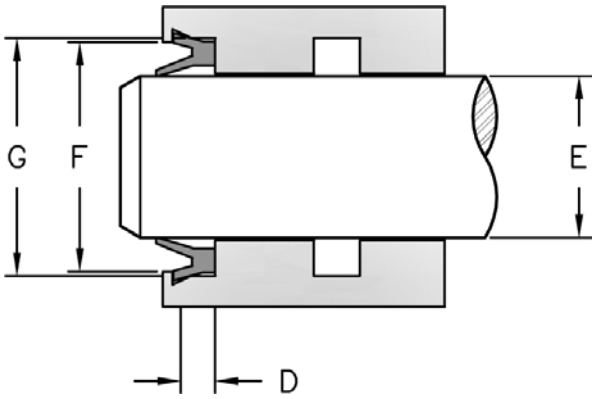


PART NUMBERS

CSW - 62

Prefix Size

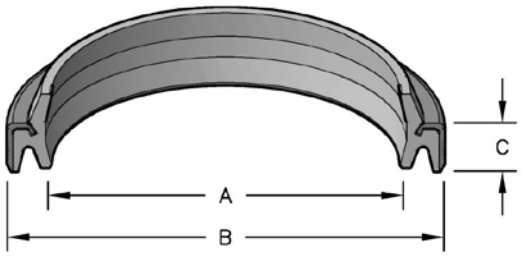
SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
CSW-62	5/8	1	11/64	.250	.172	.625	.938	1.000
CSW-87	7/8	1-3/8	15/64	.345	.235	.875	1.313	1.375
CSW-100	1	1-1/2	15/64	.345	.235	1.000	1.438	1.500
CSW-112	1-1/8	1-5/8	15/64	.345	.235	1.125	1.563	1.625
CSW-125	1-1/4	1-3/4	15/64	.345	.235	1.250	1.688	1.750
CSW-137	1-3/8	1-7/8	15/64	.345	.235	1.375	1.813	1.875
CSW-150	1-1/2	2	15/64	.345	.235	1.500	1.938	2.000
CSW-162	1-5/8	2-1/8	15/64	.345	.235	1.625	2.063	2.125
CSW-175	1-3/4	2-1/4	15/64	.345	.235	1.750	2.188	2.250
CSW-200	2	2-1/2	15/64	.345	.235	2.000	2.438	2.500
CSW-225	2-1/4	2-3/4	15/64	.345	.235	2.250	2.688	2.750
CSW-250	2-1/2	3	15/64	.345	.235	2.500	2.938	3.000
CSW-275	2-3/4	3-1/4	15/64	.345	.235	2.750	3.188	3.250
CSW-325	3-1/4	3-3/4	15/64	.345	.235	3.250	3.688	3.750
CSW-350	3-1/2	4	15/64	.345	.235	3.500	3.938	4.000
CSW-400	4	4-1/2	15/64	.345	.235	4.000	4.438	4.500

STYLE MCKU METAL CLAD WIPER RINGS

Utilizing a double lip of urethane bonded to a carbon steel case, this wiper prevents contaminant ingression at the wiping lip and around the outer case.

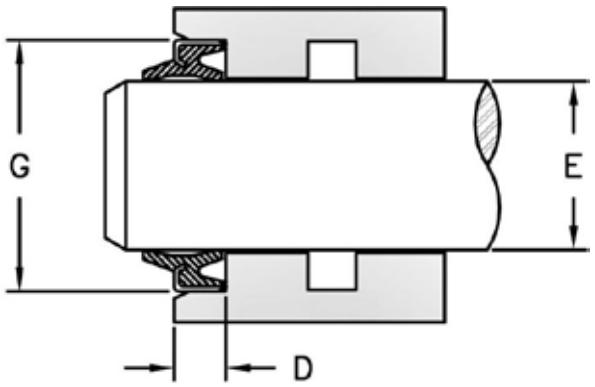


PART NUMBERS

MCKU - 2000

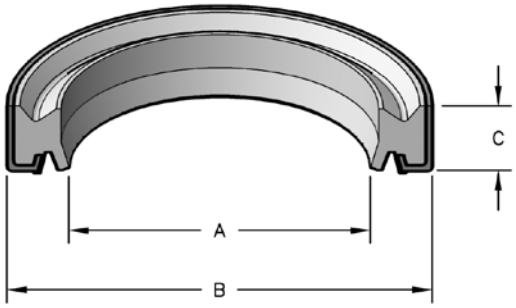
Prefix Size

SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-31° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKU-2000	2	2-1/2	5/16	.313 +.015 +.000	2.000 +.0000 -.0029	2.500 +.0075 +.0000
MCKU-2250	2-1/4	2-3/4	5/16	.313 +.015 +.000	2.250 +.0000 -.0029	2.750 +.0075 +.0000
MCKU-2500	2-1/2	3	5/16	.313 +.015 +.000	2.500 +.0000 -.0029	3.000 +.0075 +.0000
MCKU-2624	2-5/8	3-1/8	5/16	.313 +.015 +.000	2.625 +.0000 -.0029	3.125 +.0075 +.0000
MCKU-2750	2-3/4	3-1/4	5/16	.313 +.015 +.000	2.750 +.0000 -.0029	3.250 +.0087 +.0000
MCKU-3000	3	3-1/2	5/16	.313 +.015 +.000	3.000 +.0000 -.0029	3.500 +.0087 +.0000
MCKU-3254	3-1/4	3-3/4	5/16	.313 +.015 +.000	3.250 +.0000 -.0034	3.750 +.0087 +.0000
MCKU-3506	3-1/2	4-1/8	5/16	.313 +.015 +.000	3.500 +.0000 -.0034	4.125 +.0087 +.0000
MCKU-4005	4	4-5/8	5/16	.313 +.015 +.000	4.000 +.0000 -.0034	4.625 +.0087 +.0000

STYLE MCHD METAL CLAD WIPERS

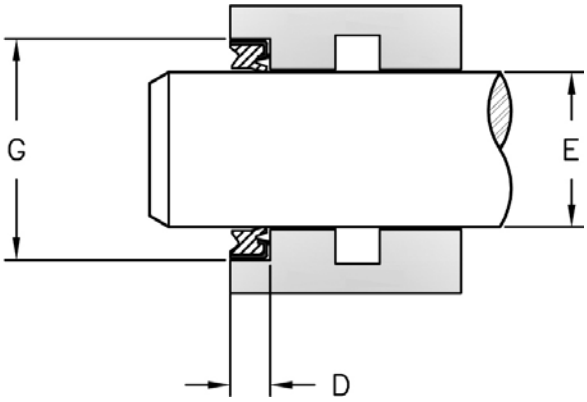


SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +230° F
SPEED	3 FT/SEC

PART NUMBERS

MCHD - 1506 - D

Prefix Size



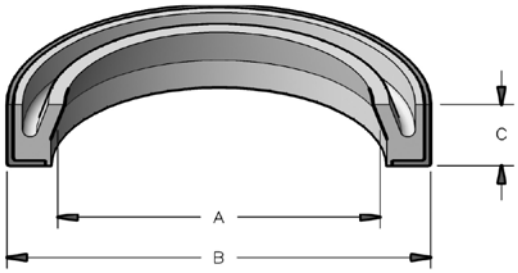
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCHD-1506-D	1-1/2	2-1/4	7/16	.430 ±.020	1.500 +.000 -.003	2.250 ±.001
MCHD-1755-D	1-3/4	2-7/16	7/16	.430 ±.020	1.750 +.000 -.003	2.438 ±.001
MCHD-1876-D	1-7/8	2-9/16	7/16	.430 ±.020	1.875 +.000 -.003	2.563 ±.001
MCHD-2006-D	2	2-11/16	7/16	.430 ±.020	2.000 +.000 -.003	2.688 ±.001
MCHD-2125-D	2-1/8	2-7/8	7/16	.430 ±.020	2.125 +.000 -.003	2.875 ±.001
MCHD-2253-D	2-1/4	3	7/16	.430 ±.020	2.250 +.000 -.003	3.000 ±.001
MCHD-2376-D	2-3/8	3-1/8	7/16	.430 ±.020	2.375 +.000 -.003	3.125 ±.001
MCHD-2502-D	2-1/2	3-1/4	7/16	.430 ±.020	2.500 +.000 -.003	3.250 ±.001
MCHD-2504-D	2-1/2	3-5/16	7/16	.430 ±.020	2.500 +.000 -.003	3.313 ±.001
MCHD-2626-D	2-5/8	3-3/8	7/16	.430 ±.020	2.625 +.000 -.003	3.375 ±.001
MCHD-2755-D	2-3/4	3-3/4	1/2	.550 ±.020	2.750 +.000 -.003	3.750 ±.001
MCHD-3008-D	3	4	1/2	.550 ±.020	3.000 +.000 -.004	4.000 ±.001
MCHD-3250-D	3-1/4	4-1/4	1/2	.550 ±.020	3.250 +.000 -.004	4.250 ±.001
MCHD-3508-D	3-1/2	4-1/2	1/2	.550 ±.020	3.500 +.000 -.004	4.500 ±.001
MCHD-3751-D	3-3/4	4-3/4	1/2	.550 ±.020	3.750 +.000 -.004	4.750 ±.001
MCHD-4000-D	4	5	1/2	.550 ±.020	4.000 +.000 -.004	5.000 ±.001

STYLE MCHD METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCHD-4250-D	4-1/4	5-1/4	1/2	.550 ±.020	4.250 +.000 -.004	5.250 ±.001
MCHD-4508-D	4-1/2	5-1/2	1/2	.550 ±.020	4.500 +.000 -.004	5.500 ±.001
MCHD-5002-D	5	6	1/2	.550 ±.020	5.000 +.000 -.004	6.000 ±.001
MCHD-5503-D	5-1/2	6-1/2	1/2	.550 ±.020	5.500 +.000 -.004	6.500 ±.001
MCHD-6002-D	6	7	1/2	.550 ±.020	6.000 +.000 -.004	7.000 ±.001
MCHD-6500-D	6-1/2	7-1/2	1/2	.550 ±.020	6.500 +.000 -.004	7.500 ±.001
MCHD-7002-D	7	8	1/2	.550 ±.020	7.000 +.000 -.005	8.000 ±.001
MCHD-8002-D	8	9	1/2	.550 ±.020	8.000 +.000 -.005	9.000 ±.001

STYLE MCU HEAVY DUTY METAL CLAD WIPER RINGS

Utilizing a sturdy metal case, these wipers are molded from the same high performance urethane used in our Heavy Duty U-seals. Built for severe service, these wipers are capable of surviving hostile environments.

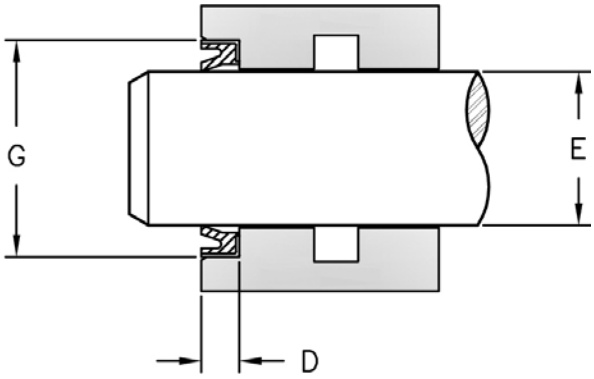


PART NUMBERS

MCU - 0625 - D

Prefix — Size

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +230° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCU-0625-D	5/8	1-1/8	5/16	.313 +.015 +.000	.625 +.000 -.003	1.125 ±.001
MCU-0750-D	3/4	1-1/4	5/16	.313 +.015 +.000	.750 +.000 -.003	1.250 ±.001
MCU-0875-D	7/8	1-3/8	5/16	.313 +.015 +.000	.875 +.000 -.003	1.375 ±.001
MCU-1000-D	1	1-1/2	5/16	.313 +.015 +.000	1.000 +.000 -.003	1.500 ±.001
MCU-1120-D	1-1/8	1-5/8	5/16	.313 +.015 +.000	1.125 +.000 -.003	1.625 ±.001
MCU-1187-G	1-3/16	1-5/8	1/4	.250 +.015 +.000	1.187 +.000 -.003	1.625 ±.001
MCU-1254-D	1-1/4	1-3/4	1/4	.250 +.015 +.000	1.250 +.000 -.003	1.750 ±.001
MCU-1250-D	1-1/4	1-3/4	5/16	.313 +.015 +.000	1.250 +.000 -.003	1.750 ±.001
MCU-1255	1-1/4	2.062	3/8	.375 +.0150 -.3375	1.250 +.000 -.003	2.063 ±.001
MCU-1375-D	1-3/8	1-7/8	5/16	.313 +.015 +.000	1.375 +.000 -.003	1.875 ±.001
MCU-1501-D	1-1/2	1-7/8	1/4	.250 +.015 +.000	1.500 +.000 -.003	1.875 ±.001
MCU-1502-D	1-1/2	2	1/4	.250 +.015 +.000	1.500 +.000 -.003	2.000 ±.001
MCU-1500-D	1-1/2	2	5/16	.313 +.015 +.000	1.500 +.000 -.003	2.000 ±.001
MCU-1505-G	1-1/2	2-1/8	5/16	.313 +.015 +.000	1.500 +.000 -.003	2.125 ±.001
MCU-1506-D	1-1/2	2-1/4	3/8	.375 +.015 +.000	1.500 +.000 -.003	2.250 ±.001
MCU-1624-D	1-5/8	2-1/8	1/4	.250 +.015 +.000	1.625 +.000 -.003	2.125 ±.001

STYLE MCU HEAVY DUTY METAL CLAD WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCU-1625-D	1-5/8	2-1/8	5/16	.313 +.015 +.000	1.625 +.000 -.003	2.125 ±.001
MCU-1751-D	1-3/4	2-1/4	1/4	.250 +.015 +.000	1.750 +.000 -.003	2.250 ±.001
MCU-1750-D	1-3/4	2-1/4	5/16	.313 +.015 +.000	1.750 +.000 -.003	2.250 ±.001
MCU-1755-D	1-3/4	2-7/16	3/8	.375 +.015 +.000	1.750 +.000 -.003	2.438 ±.001
MCU-1756-G	1-3/4	2-1/2	3/8	.375 +.015 +.000	1.750 +.000 -.003	2.500 ±.001
MCU-1875-D	1-7/8	2-3/8	5/16	.313 +.015 +.000	1.875 +.000 -.003	2.375 ±.001
MCU-1876-D	1-7/8	2-9/16	3/8	.375 +.015 +.000	1.875 +.000 -.003	2.563 ±.001
MCU-2001-G	2	2-3/8	1/4	.250 +.015 +.000	2.000 +.000 -.003	2.375 ±.001
MCU-2002-D	2	2-1/2	1/4	.250 +.015 +.000	2.000 +.000 -.003	2.500 ±.001
MCU-2000-D	2	2-1/2	5/16	.313 +.015 +.000	2.000 +.000 -.003	2.500 ±.001
MCU-2004-D	2	2-5/8	1/4	.250 +.015 +.000	2.000 +.000 -.003	2.625 ±.001
MCU-2006-D	2	2-11/16	3/8	.375 +.015 +.000	2.000 +.000 -.003	2.688 ±.001
MCU-2003-G	2	2-3/4	3/8	.375 +.015 +.000	2.000 +.000 -.003	2.750 ±.001
MCU-2126-G	2-1/8	2-1/2	3/16	.188 +.015 +.000	2.125 +.000 -.003	2.500 ±.001
MCU-2124-D	2-1/8	2-5/8	5/16	.313 +.015 +.000	2.125 +.000 -.003	2.625 ±.001
MCU-2125-D	2-1/8	2-7/8	3/8	.375 +.015 +.000	2.125 +.000 -.003	2.875 ±.001
MCU-2188-D	2-3/16	2-11/16	3/8	.375 +.015 +.000	2.187 +.000 -.003	2.688 ±.001
MCU-2251-D	2-1/4	2-3/4	1/4	.250 +.015 +.000	2.250 +.000 -.003	2.750 ±.001
MCU-2250-D	2-1/4	2-3/4	5/16	.313 +.015 +.000	2.250 +.000 -.003	2.750 ±.001
MCU-2252-G	2-1/4	3	1/4	.250 +.015 +.000	2.250 +.000 -.003	3.000 ±.001
MCU-2253-D	2-1/4	3	3/8	.375 +.015 +.000	2.250 +.000 -.003	3.000 ±.001
MCU-2375-D	2-3/8	2-7/8	5/16	.313 +.015 +.000	2.375 +.000 -.003	2.875 ±.001
MCU-2376-D	2-3/8	3-1/8	3/8	.375 +.015 +.000	2.375 +.000 -.003	3.125 ±.001
MCU-2503-D	2-1/2	3	3/16	.188 +.015 +.000	2.500 +.000 -.003	3.000 ±.001
MCU-2500-D	2-1/2	3	5/16	.313 +.015 +.000	2.500 +.000 -.003	3.000 ±.001
MCU-2504-G	2-1/2	3-3/16	3/8	.375 +.015 +.000	2.500 +.000 -.003	3.188 ±.001
MCU-2501-D	2-1/2	3-1/4	1/4	.250 +.015 +.000	2.500 +.000 -.003	3.250 ±.001
MCU-2502-D	2-1/2	3-1/4	3/8	.375 +.015 +.000	2.500 +.000 -.003	3.250 ±.001
MCU-2625-D	2-5/8	3-1/8	1/4	.250 +.015 +.000	2.625 +.000 -.003	3.125 ±.001
MCU-2624-D	2-5/8	3-1/8	5/16	.313 +.015 +.000	2.625 +.000 -.003	3.125 ±.001
MCU-2626-G	2-5/8	3-3/8	3/8	.375 +.015 +.000	2.625 +.000 -.003	3.375 ±.001
MCU-2750-D	2-3/4	3-1/4	5/16	.313 +.015 +.000	2.750 +.000 -.003	3.250 ±.001
MCU-2754-D	2-3/4	3-1/2	1/4	.250 +.015 +.000	2.750 +.000 -.003	3.500 ±.001

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

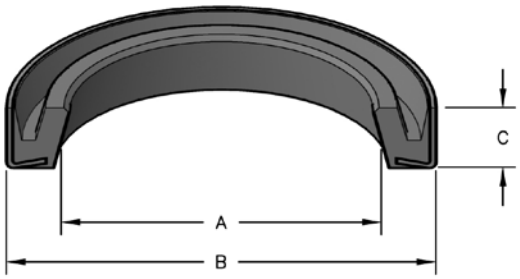
STYLE MCU HEAVY DUTY METAL CLAD WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCU-2756-G	2-3/4	3-1/2	3/8	.375 +.015 +.000	2.750 +.000 -.003	3.500 ±.001
MCU-2758-D	2-3/4	3-1/2	1/2	.500 +.015 +.000	2.750 +.000 -.003	3.500 ±.001
MCU-2755-D	2-3/4	3-3/4	1/2	.500 +.015 +.000	2.750 +.000 -.003	3.750 ±.001
MCU-3000-D	3	3-1/2	5/16	.313 +.015 +.000	3.000 +.000 -.004	3.500 ±.001
MCU-3002-D	3	3-3/4	1/4	.250 +.015 +.000	3.000 +.000 -.004	3.750 ±.001
MCU-3008-D	3	4	1/2	.500 +.015 +.000	3.000 +.000 -.004	4.000 ±.001
MCU-3125-D	3-1/8	3-3/4	3/8	.375 +.015 +.000	3.125 +.000 -.004	3.750 ±.001
MCU-3254-D	3-1/4	3-3/4	5/16	.313 +.015 +.000	3.250 +.000 -.004	3.750 ±.001
MCU-3256-D	3-1/4	3-7/8	5/16	.313 +.015 +.000	3.250 +.000 -.004	3.875 ±.001
MCU-3250-D	3-1/4	4-1/4	1/2	.500 +.015 +.000	3.250 +.000 -.004	4.250 ±.001
MCU-3375-D	3-3/8	4	5/16	.313 +.015 +.000	3.375 +.000 -.004	4.000 ±.001
MCU-3500-D	3-1/2	4	5/16	.313 +.015 +.000	3.500 +.000 -.004	4.000 ±.001
MCU-3506-D	3-1/2	4-1/8	5/16	.313 +.015 +.000	3.500 +.000 -.004	4.125 ±.001
MCU-3504-D	3-1/2	4-1/4	1/4	.250 +.015 +.000	3.500 +.000 -.004	4.250 ±.001
MCU-3508-D	3-1/2	4-1/2	1/2	.500 +.015 +.000	3.500 +.000 -.004	4.500 ±.001
MCU-3750-D	3-3/4	4-1/4	5/16	.313 +.015 +.000	3.750 +.000 -.004	4.250 ±.001
MCU-3754-D	3-3/4	4-3/8	5/16	.313 +.015 +.000	3.750 +.000 -.004	4.375 ±.001
MCU-3755-D	3-3/4	4-1/2	5/16	.313 +.015 +.000	3.750 +.000 -.004	4.500 ±.001
MCU-3751-D	3-3/4	4-3/4	1/2	.500 +.015 +.000	3.750 +.000 -.004	4.750 ±.001
MCU-4005-D	4	4-5/8	5/16	.313 +.015 +.000	4.000 +.000 -.004	4.625 ±.001
MCU-4002-D	4	4-3/4	5/16	.313 +.015 +.000	4.000 +.000 -.004	4.750 ±.001
MCU-4000-D	4	5	1/2	.500 +.015 +.000	4.000 +.000 -.004	5.000 ±.001
MCU-4252-D	4-1/4	4-3/4	5/16	.313 +.015 +.000	4.250 +.000 -.004	4.750 ±.001
MCU-4250-D	4-1/4	5-1/4	1/2	.500 +.015 +.000	4.250 +.000 -.004	5.250 ±.001
MCU-4375-D	4-3/8	5	5/16	.313 +.015 +.000	4.375 +.000 -.004	5.000 ±.001
MCU-4505-D	4-1/2	5-1/8	5/16	.313 +.015 +.000	4.500 +.000 -.004	5.125 ±.001
MCU-4506-G	4-1/2	5-1/4	5/16	.313 +.015 +.000	4.500 +.000 -.004	5.250 ±.001
MCU-4507-D	4-1/2	5-1/2	5/16	.313 +.015 +.000	4.500 +.000 -.004	5.500 ±.001
MCU-4508-D	4-1/2	5-1/2	1/2	.500 +.015 +.000	4.500 +.000 -.004	5.500 ±.001
MCU-4751-D	4-3/4	5-3/8	5/16	.313 +.015 +.000	4.750 +.000 -.004	5.375 ±.001
MCU-4750-D	4-3/4	5-3/4	1/2	.500 +.015 +.000	4.750 +.000 -.004	5.750 ±.001
MCU-5001-G	5	5-5/8	5/16	.313 +.015 +.000	5.000 +.000 -.004	5.625 ±.001
MCU-5003	5	5-5/8	3/8	.375 +.015 +.000	5.000 +.000 -.004	5.625 ±.001

STYLE MCU HEAVY DUTY METAL CLAD WIPER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCU-5000-D	5	5-3/4	5/16	.313 +.015 +.000	5.000 +.000 -.004	5.750 ±.001
MCU-5002-D	5	6	1/2	.500 +.015 +.000	5.000 +.000 -.004	6.000 ±.001
MCU-5250-D	5-1/4	6	5/16	.313 +.015 +.000	5.250 +.000 -.004	6.000 ±.001
MCU-5500-D	5-1/2	6-1/8	3/8	.375 +.015 +.000	5.500 +.000 -.004	6.125 ±.001
MCU-5502-G	5-1/2	6-1/4	5/16	.313 +.015 +.000	5.500 +.000 -.004	6.250 ±.001
MCU-5750-D	5-3/4	6-3/8	3/8	.375 +.015 +.000	5.750 +.000 -.004	6.375 ±.001
MCU-5752	5-3/4	6-1/2	.406	.406 +.015 +.000	5.750 +.000 -.004	6.500 ±.001
MCU-5751-D	5-3/4	6-3/4	1/2	.500 +.015 +.000	5.750 +.000 -.004	6.750 ±.001
MCU-6001-D	6	6-5/8	3/8	.375 +.015 +.000	6.000 +.000 -.004	6.625 ±.001
MCU-6000-D	6	6-3/4	3/8	.375 +.015 +.000	6.000 +.000 -.004	6.750 ±.001
MCU-6002-D	6	7	1/2	.500 +.015 +.000	6.000 +.000 -.004	7.000 ±.001
MCU-6250-D	6-1/4	6-3/4	5/16	.313 +.015 +.000	6.250 +.000 -.004	6.750 ±.001
MCU-6503-D	6-1/2	7-1/4	5/16	.313 +.015 +.000	6.500 +.000 -.004	7.250 ±.001
MCU-6500-D	6-1/2	7-1/2	5/8	.625 +.015 +.000	6.500 +.000 -.004	7.500 ±.001
MCU-6751-D	6-3/4	7-1/4	5/16	.313 +.015 +.000	6.750 +.000 -.004	7.250 ±.001
MCU-6750-G	6-3/4	7-3/8	3/8	.375 +.015 +.000	6.750 +.000 -.004	7.375 ±.001
MCU-6753-D	6-3/4	7-3/4	1/2	.500 +.015 +.000	6.750 +.000 -.004	7.750 ±.001
MCU-7000-G	7	7-3/4	5/16	.313 +.015 +.000	7.000 +.000 -.005	7.750 ±.001
MCU-7002-D	7	8	1/2	.500 +.015 +.000	7.000 +.000 -.005	8.000 ±.001
MCU-8000-D	8	8-3/4	3/8	.375 +.015 +.000	8.000 +.000 -.005	8.750 ±.001
MCU-8120-D	8-1/8	8-5/8	5/16	.313 +.015 +.000	8.125 +.000 -.005	8.625 ±.001
MCU-11000-D	11	12	.55	.550 +.015 +.000	11.000 +.000 -.006	12.000 ±.001
MCU-12500-D	12-1/2	13-1/2	.55	.550 +.015 +.000	12.500 +.000 -.006	13.500 ±.001
MCU-13500-D	13-1/2	14-1/2	.55	.550 +.015 +.000	13.500 +.000 -.006	14.500 ±.001

STYLE MCN METAL CLAD WIPERS - RUBBER LIP

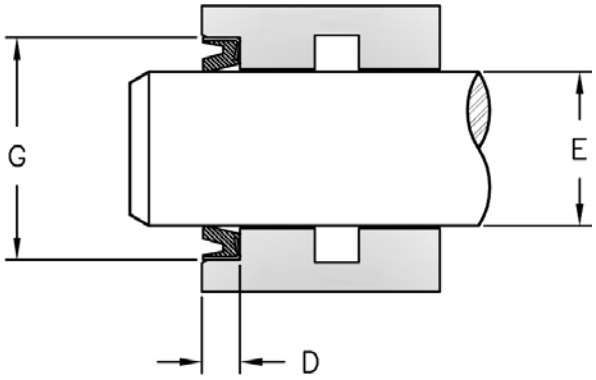


SEAL INFORMATION	
MATERIAL	RUBBER
TEMPERATURE RANGE	-40° TO +240° F
SPEED	3 FT/SEC

PART NUMBERS

MCN - 0500

Prefix Size

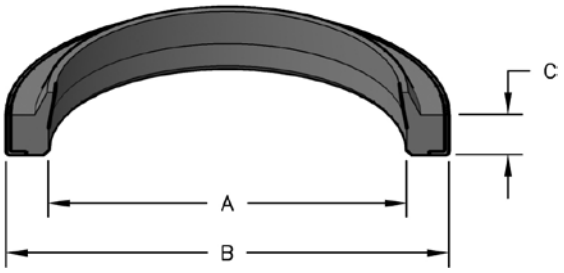


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCN-0500	1/2	11/16	3/32	.094 ±.015	.500 ±.003	.688 ±.001
MCN-0501	1/2	3/4	1/8	.125 ±.015	.500 ±.003	.750 ±.001
MCN-0626	5/8	7/8	1/8	.125 ±.015	.625 ±.003	.875 ±.001
MCN-0625	5/8	15/16	3/16	.188 ±.015	.625 ±.003	.938 ±.001
MCN-0751	3/4	1	1/8	.125 ±.015	.750 ±.003	1.000 ±.001
MCN-0750	3/4	1-1/4	1/4	.250 ±.015	.750 ±.003	1.250 ±.001
MCN-0873	7/8	1-1/8	1/8	.125 ±.015	.875 ±.003	1.125 ±.001
MCN-0875	7/8	1-1/4	3/16	.188 ±.015	.875 ±.003	1.250 ±.001
MCN-1001	1	1-1/4	1/8	.125 ±.015	1.000 ±.003	1.250 ±.001
MCN-1006	1	1-5/16	1/8	.125 ±.015	1.000 ±.003	1.313 ±.001
MCN-1003	1	1-3/8	3/16	.188 ±.015	1.000 ±.003	1.375 ±.001
MCN-1004	1	1-7/16	1/4	.250 ±.015	1.000 ±.003	1.438 ±.001
MCN-1005	1	1-1/2	3/16	.188 ±.015	1.000 ±.003	1.500 ±.001
MCN-1060	1-1/16	1-1/2	3/16	.188 ±.015	1.062 ±.003	1.500 ±.001
MCN-1126	1-1/8	1-3/8	1/8	.125 ±.015	1.125 ±.003	1.375 ±.001
MCN-1125	1-1/8	1-1/2	3/16	.188 ±.015	1.125 ±.003	1.500 ±.001
MCN-1127	1-1/8	1-9/16	1/4	.250 ±.015	1.125 ±.003	1.563 ±.001
MCN-1129	1-1/8	1-5/8	1/4	.250 ±.015	1.125 ±.003	1.625 ±.001
MCN-1251	1-1/4	1-1/2	1/8	.125 ±.015	1.250 ±.003	1.500 ±.001
MCN-1256	1-1/4	1-5/8	1/4	.250 ±.015	1.250 ±.003	1.625 ±.001
MCN-1253	1-1/4	1-11/16	3/16	.188 ±.015	1.250 ±.003	1.688 ±.001
MCN-1254	1-1/4	1-3/4	1/4	.250 ±.015	1.250 ±.003	1.750 ±.001
MCN-1255	1-1/4	1-7/8	1/4	.250 ±.015	1.250 ±.003	1.875 ±.001
MCN-1377	1-3/8	1-5/8	1/8	.125 ±.015	1.375 ±.003	1.625 ±.001
MCN-1375	1-3/8	1-3/4	3/16	.188 ±.015	1.375 ±.003	1.750 ±.001
MCN-1376	1-3/8	1-7/8	1/4	.250 ±.015	1.375 ±.003	1.875 ±.001
MCN-1503	1-1/2	1-7/8	3/16	.188 ±.015	1.500 ±.003	1.875 ±.001
MCN-1502	1-1/2	1-7/8	1/4	.250 ±.015	1.500 ±.003	1.875 ±.001
MCN-1504	1-1/2	2	1/4	.250 ±.015	1.500 ±.003	2.000 ±.001

STYLE MCN METAL CLAD WIPERS - RUBBER LIP

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCN-1625	1-5/8	2-1/8	1/4	.250 ±.015	1.625 ±.003	2.125 ±.001
MCN-1626	1-5/8	2-5/8	1/4	.250 ±.015	1.625 ±.003	2.625 ±.001
MCN-1753	1-3/4	2-1/8	3/16	.188 ±.015	1.750 ±.003	2.125 ±.001
MCN-1754	1-3/4	2-1/4	1/4	.250 ±.015	1.750 ±.003	2.250 ±.001
MCN-1755	1-3/4	2-3/8	1/4	.250 ±.015	1.750 ±.003	2.375 ±.001
MCN-1756	1-3/4	2-5/8	1/4	.250 ±.015	1.750 ±.003	2.625 ±.001
MCN-1877	1-7/8	2-1/4	3/16	.188 ±.015	1.875 ±.003	2.250 ±.001
MCN-1879	1-7/8	2-1/2	1/4	.250 ±.015	1.875 ±.003	2.500 ±.001
MCN-2001	2	2-3/8	3/16	.188 ±.015	2.000 ±.003	2.375 ±.001
MCN-2003	2	2-1/2	1/4	.250 ±.015	2.000 ±.003	2.500 ±.001
MCN-2002	2	2-5/8	1/4	.250 ±.015	2.000 ±.003	2.625 ±.001
MCN-2006	2	2-3/4	1/4	.250 ±.015	2.000 ±.003	2.750 ±.001
MCN-2007	2	2-7/8	15/32	.469 ±.015	2.000 ±.003	2.875 ±.001
MCN-2125	2-1/8	2-1/2	3/16	.188 ±.015	2.125 ±.003	2.500 ±.001
MCN-2251	2-1/4	2-5/8	1/4	.250 ±.015	2.250 ±.003	2.625 ±.001
MCN-2253	2-1/4	2-3/4	1/4	.250 ±.015	2.250 ±.003	2.750 ±.001
MCN-2255	2-1/4	2-7/8	1/4	.250 ±.015	2.250 ±.003	2.875 ±.001
MCN-2371	2-3/8	3	1/4	.250 ±.015	2.375 ±.003	3.000 ±.001
MCN-2501	2-1/2	3	1/4	.250 ±.015	2.500 ±.003	3.000 ±.001
MCN-2504	2-1/2	3-1/8	1/4	.250 ±.015	2.500 ±.003	3.125 ±.001
MCN-2660	2.66	3-1/4	3/8	.375 ±.015	2.660 ±.003	3.250 ±.001
MCN-2751	2-3/4	3-1/8	3/16	.188 ±.015	2.750 ±.003	3.125 ±.001
MCN-2750	2-3/4	3-1/4	1/4	.250 ±.015	2.750 ±.003	3.250 ±.001
MCN-2756	2-3/4	3-3/4	3/8	.375 ±.015	2.750 ±.003	3.750 ±.001
MCN-3001	3	3-1/2	1/4	.250 ±.015	3.000 ±.003	3.500 ±.001
MCN-3003	3	3-3/4	1/4	.250 ±.015	3.000 ±.003	3.750 ±.001
MCN-3504	3-1/2	4	1/4	.250 ±.015	3.500 ±.003	4.000 ±.001

STYLE CWN METAL CLAD WIPERS

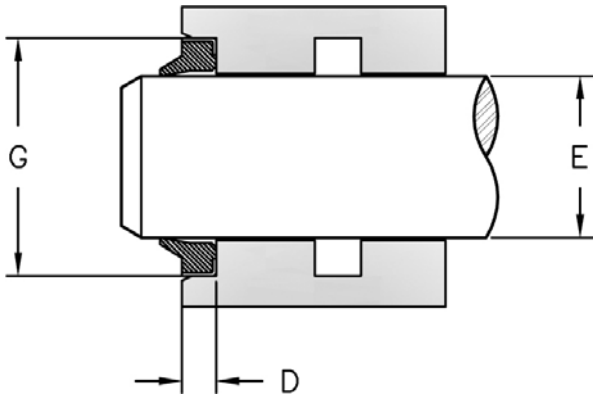


SEAL INFORMATION	
MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC

PART NUMBERS

CWN - 075

Prefix Size

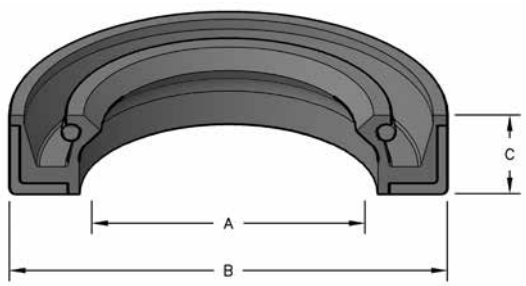


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
CWN-075	3/4	1-1/8	3/16	.187 +.015 +.000	.750	1.125 ±.001
CWN-100	1	1-3/8	3/16	.187 +.015 +.000	1.000	1.375 ±.001
CWN-112	1-1/8	1-1/2	3/16	.187 +.015 +.000	1.125	1.500 ±.001
CWN-125	1-1/4	1-5/8	3/16	.187 +.015 +.000	1.250	1.625 ±.001
CWN-150	1-1/2	1-7/8	3/16	.187 +.015 +.000	1.500	1.875 ±.001
CWN-175	1-3/4	2-1/8	3/16	.187 +.015 +.000	1.750	2.125 ±.001
CWN-200	2	2-3/8	3/16	.187 +.015 +.000	2.000	2.375 ±.001
CWN-225	2-1/4	2-5/8	3/16	.187 +.015 +.000	2.250	2.625 ±.001
CWN-250	2-1/2	2-7/8	3/16	.187 +.015 +.000	2.500	2.875 ±.001
CWN-275	2-3/4	3-1/8	3/16	.187 +.015 +.000	2.750	3.125 ±.001
CWN-300	3	3-3/8	3/16	.187 +.015 +.000	3.000	3.375 ±.001

Seal color may vary.

OIL SEALS

We offer several sizes of standard sized metal clad oil seals. These seals are for rotating shafts and are specifically designed to prevent oil or grease leakage at a maximum pressure of 10 PSI. Additional styles and sizes are available upon request.

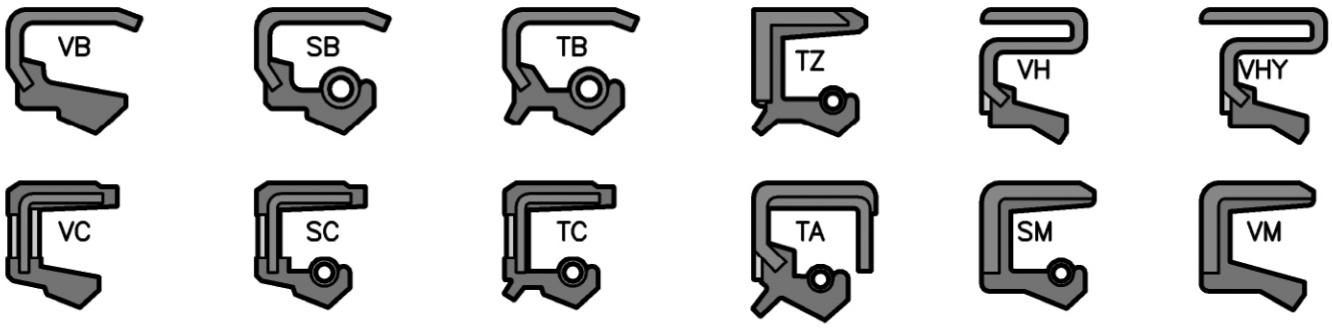


PART NUMBERS

OS - 0.31 X 0.75 X 0.25 VTF

Prefix | Inside Diameter | Outside Diameter | Height | Style

SEAL INFORMATION	
MATERIAL	RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	10 PSI MAXIMUM
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-0.31X0.75X0.25VTF	5/16	3/4	1/4	.312 ±.003	.750 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-0.37X0.68X0.15VM	3/8	11/16	5/32	.375 ±.003	.687 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.37X0.75X0.25SB	3/8	3/4	1/4	.375 ±.003	.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.37X1.00X0.25SM	3/8	1	1/4	.375 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.43X0.62X0.12VC	7/16	5/8	1/8	.437 ±.003	.624 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.43X0.83X0.18VM	7/16	.836	3/16	.438 ±.003	.836 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.43X0.87X0.25SM	7/16	7/8	1/4	.438 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.43X0.87X0.25TB	7/16	7/8	1/4	.437 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.43X1.00X0.25TC	7/16	1	1/4	.434 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.43X1.00X0.25VM	7/16	1	1/4	.438 ±.003	.999 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.43X1.00X0.37SB	7/16	1	3/8	.438 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X0.68X0.09VC	1/2	11/16	3/32	.500 ±.003	.687 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.50X0.75X0.12VM	1/2	3/4	1/8	.500 ±.003	.750 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.50X0.75X0.16TB	1/2	3/4	.167	.500 ±.003	.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X0.87X0.12VC	1/2	7/8	1/8	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.50X0.87X0.12VM	1/2	7/8	1/8	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.50X0.87X0.25SC	1/2	7/8	1/4	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X0.87X0.25TB	1/2	7/8	1/4	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X0.87X0.25TEC	1/2	7/8	1/4	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X0.87X0.31TBY	1/2	7/8	5/16	.500 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.00X0.25TB	1/2	1	1/4	.500 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.00X0.25TC	1/2	1	1/4	.500 ±.003	1.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.00X0.25TCN	1/2	1	1/4	.500 ±.003	1.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.12X0.25SB	1/2	1-1/8	1/4	.500 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.12X0.25SC	1/2	1-1/8	1/4	.500 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.50X1.12X0.25TB	1/2	1-1/8	1/4	.500 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL

OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-0.50X1.25X0.25TC	1/2	1-1/4	1/4	.500 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.56X0.87X0.18TC	9/16	7/8	3/16	.562 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.56X1.00X0.25SB	9/16	1	1/4	.563 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.56X1.00X0.25TC	9/16	1	1/4	.562 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.56X1.12X0.25TB	9/16	1-1/8	1/4	.563 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.56X1.25X0.25TB	9/16	1-1/4	1/4	.562 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X0.81X0.09VC	5/8	13/16	3/32	.625 ±.003	.813 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.62X0.81X0.09VM	5/8	13/16	3/32	.625 ±.003	.812 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.62X0.87X0.12SM	5/8	7/8	1/8	.625 ±.003	.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.00X0.12VMY	5/8	1	1/8	.625 ±.003	1.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.62X1.00X0.25SM	5/8	1	1/4	.625 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.00X0.25TB	5/8	1	1/4	.625 ±.003	.999 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.00X0.25TC	5/8	1	1/4	.625 ±.003	1.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.12X0.25TB	5/8	1-1/8	1/4	.625 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.12X0.25TC	5/8	1-1/8	1/4	.625 ±.003	1.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.12X0.37TBY	5/8	1-1/8	3/8	.625 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.12X0.37TC	5/8	1-1/8	3/8	.625 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.25X0.25TC	5/8	1-1/4	1/4	.625 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.37X0.25TB	5/8	1-3/8	1/4	.625 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.62X1.37X0.25VTB	5/8	1-3/8	1/4	.625 ±.003	1.375 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-0.62X1.50X0.25SB-H	5/8	1-1/2	1/4	.625 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.65X1.12X0.25SC	21/32	1-1/8	1/4	.656 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.68X1.00X0.18VM	11/16	1	3/16	.688 ±.003	.999 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.68X1.06X0.18SM	11/16	1-1/16	3/16	.687 ±.003	1.062 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.68X1.12X0.25SB	11/16	1-1/8	1/4	.688 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.68X1.12X0.25TC	11/16	1-1/8	1/4	.688 ±.003	1.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.68X1.18X0.18SB	11/16	1-3/16	3/16	.688 ±.003	1.187 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.68X1.37X0.31TC	11/16	1-3/8	5/16	.688 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.00X0.12VC	3/4	1	1/8	.750 ±.003	1.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.78X1.00X0.12VC	3/4	1	1/8	.750 ±.003	1.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.75X1.00X0.15TC	3/4	1	5/32	.750 ±.003	1.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.06X0.18TB	3/4	1-1/16	3/16	.750 ±.003	1.062 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.12X0.15VC	3/4	1-1/8	5/32	.750 ±.003	1.125 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.75X1.12X0.15VM	3/4	1-1/8	5/32	.750 ±.003	1.124 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.75X1.12X0.18SZ	3/4	1-1/8	3/16	.750 ±.003	1.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.12X0.18TB	3/4	1-1/8	3/16	.750 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.12X0.25TC	3/4	1-1/8	1/4	.750 ±.003	1.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.18X0.25SB	3/4	1-3/16	1/4	.750 ±.003	1.187 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.25SB	3/4	1-1/4	1/4	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.25SC	3/4	1-1/4	1/4	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.25TB	3/4	1-1/4	1/4	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.25TC-G	3/4	1-1/4	1/4	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.31TC	3/4	1-1/4	5/16	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.31TZ	3/4	1-1/4	5/16	.750 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.25X0.31VTC	3/4	1-1/4	5/16	.750 ±.003	1.250 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-0.75X1.31X0.25TB	3/4	1-5/16	1/4	.750 ±.003	1.312 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.37X0.25PTC	3/4	1-3/8	1/4	.750 ±.003	1.375 ±.001	ACM/POLYACRYLATE	CARBON STEEL	CARBON STEEL
OS-0.75X1.37X0.25TB	3/4	1-3/8	1/4	.750 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.50X0.25TB-H	3/4	1-1/2	1/4	.750 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.75X0.25SB	3/4	1-3/4	1/4	.750 ±.003	1.752 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.75X1.75X0.31TZ	3/4	1-3/4	5/16	.750 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.78X1.12X0.18SB	25/32	1-1/8	3/16	.787 ±.003	1.124 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.78X1.37X0.31SB	25/32	1-3/8	5/16	.781 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.78X1.75X0.31TZ	25/32	1-3/4	5/16	.782 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.81X1.06X0.12VC	13/16	1-1/16	1/8	.813 ±.003	1.063 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.81X1.25X0.18SM	13/16	1-1/4	3/16	.813 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.81X1.37X0.25TB	13/16	1-3/8	1/4	.812 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL



OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-0.87X1.12X0.12VM	7/8	1-1/8	1/8	.875 ±.003	1.125 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.87X1.18X0.16VZ	7/8	1-3/16	.164	.875 ±.003	1.187 ±.001	NBR	CARBON STEEL	NO SPRING
OS-0.87X1.25X.188SZ	7/8	1-1/4	3/16	.875 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.25X0.18SB	7/8	1-1/4	3/16	.875 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.25X0.18TB	7/8	1-1/4	3/16	.875 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.25X0.25SC	7/8	1-1/4	1/4	.875 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.25SB	7/8	1-3/8	1/4	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.25TB	7/8	1-3/8	1/4	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.25TBY	7/8	1-3/8	1/4	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.25TC	7/8	1-3/8	1/4	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.31SB	7/8	1-3/8	5/16	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.37X0.31TA	7/8	1-3/8	5/16	.875 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.50X0.25TB-H	7/8	1-1/2	1/4	.875 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.50X0.25VTB	7/8	1-1/2	1/4	.875 ±.003	1.499 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-0.87X1.50X0.31SC	7/8	1-1/2	5/16	.875 ±.003	1.500 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.62X0.25TB	7/8	1-5/8	1/4	.875 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.87X1.82X0.37TB	7/8	1-53/64	3/8	.875 ±.003	1.828 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.93X1.37X0.25TB	15/16	1-3/8	1/4	.938 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.93X1.50X0.25SB-H	15/16	1-1/2	1/4	.938 ±.003	1.500 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.93X1.50X0.25TB	15/16	1-1/2	1/4	.937 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.93X1.75X0.31TC	15/16	1-3/4	5/16	.937 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-0.96X1.62X0.25SB-H	31/32	1-5/8	1/4	.969 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.25X0.12VB	1	1-1/4	1/8	1.000 ±.003	1.250 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.25X0.25TC	1	1-1/4	1/4	1.000 ±.003	1.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.31X0.12VL	1	1-5/16	1/8	1.000 ±.003	1.312 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.37X0.25PSB	1	1-3/8	1/4	1.000 ±.003	1.375 ±.001	ACM/POLYACRYLATE	CARBON STEEL	STAINLESS STEEL
OS-1.00X1.37X0.25TBY	1	1-3/8	1/4	1.000 ±.003	1.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.43X0.25SC	1	1-7/16	1/4	1.000 ±.003	1.437 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.18VB	1	1-1/2	3/16	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.50X0.25SB-H	1	1-1/2	1/4	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.25TB	1	1-1/2	1/4	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.25TB-H	1	1-1/2	1/4	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.25TBY	1	1-1/2	1/4	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.25TC	1	1-1/2	1/4	1.000 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.50X0.31TC	1	1-1/2	5/16	1.000 ±.003	1.500 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.56X0.25VB-H	1	1-9/16	1/4	1.000 ±.003	1.561 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.57X0.25TB	1	1-37/64	1/4	1.000 ±.003	1.575 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.62X0.25SB	1	1-5/8	1/4	1.000 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.62X0.25TB	1	1-5/8	1/4	1.000 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.62X0.25TC	1	1-5/8	1/4	1.000 ±.003	1.625 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.62X0.25VB	1	1-5/8	1/4	1.000 ±.003	1.624 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.62X0.37SSTZN	1	1-5/8	3/8	1.000 ±.003	1.627 ±.001	NBR	STAINLESS STEEL	STAINLESS STEEL
OS-1.00X1.68X0.25TB	1	1-11/16	1/4	1.000 ±.003	1.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.75X0.25SB	1	1-3/4	1/4	1.000 ±.003	1.752 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.75X0.25TB	1	1-3/4	1/4	1.000 ±.003	1.752 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.75X0.25VSB	1	1-3/4	1/4	1.000 ±.003	1.752 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-1.00X1.78X0.46VHY	1	1-25/32	15/32	1.000 ±.003	1.781 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.00X1.87X0.25SB	1	1-7/8	1/4	1.000 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.87X0.25TB	1	1-7/8	1/4	1.000 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X1.98X0.31TB	1	1-63/64	5/16	1.000 ±.003	1.982 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X2.06X0.37SC	1	2-1/16	3/8	1.000 ±.003	2.062 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.00X2.43X0.37TC	1	2-7/16	3/8	1.000 ±.003	2.437 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.06X1.31X0.12VCY	1.062	1.312	1/8	1.062 ±.003	1.312 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.06X1.33X0.16VC	1.062	1.337	.16	1.062 ±.003		NBR	CARBON STEEL	NO SPRING
OS-1.06X1.50X0.25SB-H	1-1/16	1-1/2	1/4	1.063 ±.003	1.499 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.06X1.62X0.25SB	1-1/16	1-5/8	1/4	1.063 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.06X1.87X0.25SB	1-1/16	1-7/8	1/4	1.063 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL

OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-1.12X1.37X0.12VM	1-1/8	1-3/8	1/8	1.125 ±.003	1.375 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.12X1.50X0.18VB	1-1/8	1-1/2	3/16	1.125 ±.003	1.499 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.12X1.50X0.18VTC	1-1/8	1-1/2	3/16	1.125 ±.003	1.499 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-1.12X1.56X0.25PSL	1-1/8	1-9/16	1/4	1.125 ±.003	1.561 ±.001	ACM/POLYACRYLATE	CARBON STEEL	STAINLESS STEEL
OS-1.12X1.56X0.25SB	1-1/8	1-9/16	1/4	1.125 ±.003	1.562 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.62X0.25SB	1-1/8	1-5/8	1/4	1.125 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.62X0.25SC	1-1/8	1-5/8	1/4	1.125 ±.003	1.625 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.62X0.25TB	1-1/8	1-5/8	1/4	1.125 ±.003	1.624 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.15X1.68X0.31TC	1-1/8	1-11/16	5/16	1.156 ±.003	1.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.75X0.25SB	1-1/8	1-3/4	1/4	1.125 ±.003	1.752 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.75X0.25TB	1-1/8	1-3/4	1/4	1.125 ±.003	1.752 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.78X0.46TB	1-1/8	1-25/32	15/32	1.125 ±.003	1.781 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.82X0.25TB	1-1/8	1-53/64	1/4	1.125 ±.003	1.828 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.82X0.25TC	1-1/8	1-53/64	1/4	1.125 ±.003	1.828 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X1.87X0.25TB	1-1/8	1-7/8	1/4	1.125 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X2.00X0.25SB	1-1/8	2	1/4	1.125 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X2.00X0.37TB	1-1/8	2	3/8	1.125 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.12X2.12X0.31SB	1-1/8	2-1/8	5/16	1.125 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.18X1.68X0.25SB	1-3/16	1-11/16	1/4	1.188 ±.003	1.686 ±.001	NBR	STAINLESS STEEL	STAINLESS STEEL
OS-1.18X1.87X0.25SB	1-3/16	1-7/8	1/4	1.188 ±.003	1.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.18X2.00X0.25TB	1-3/16	2	1/4	1.188 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.50X0.12VB	1-1/4	1-1/2	1/8	1.250 ±.003	1.500 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.25X1.50X0.12VC	1-1/4	1-1/2	1/8	1.250 ±.003	1.500 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.25X1.62X0.18SB	1-1/4	1-5/8	3/16	1.250 ±.003	1.625 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.62X0.18SM	1-1/4	1-5/8	3/16	1.250 ±.003	1.625 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.62X0.25TC	1-1/4	1-5/8	1/4	1.250 ±.003	1.625 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.68X0.18VB	1-1/4	1-11/16	3/16	1.250 ±.003	1.686 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.25X1.68X0.25SB	1-1/4	1-11/16	1/4	1.250 ±.003	1.687 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.68X0.25SC	1-1/4	1-11/16	1/4	1.250 ±.003	1.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.68X0.25TC	1-1/4	1-11/16	1/4	1.250 ±.003	1.687 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.68X0.31TB	1-1/4	1-11/16	5/16	1.250 ±.003	1.687 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.75X0.25TB	1-1/4	1-3/4	1/4	1.250 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.75X0.25TBY	1-1/4	1-3/4	1/4	1.250 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.87X0.25TB	1-1/4	1-7/8	1/4	1.250 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.98X0.25TB	1-1/4	1.979	1/4	1.250 ±.003	1.979 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X1.98X0.25VH	1-1/4	1-63/64	1/4	1.250 ±.003	1.983 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.25X2.00X0.25TB	1-1/4	2	1/4	1.250 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.00X0.25VTB	1-1/4	2	1/4	1.250 ±.003	2.000 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-1.25X2.00X0.31TC	1-1/4	2	5/16	1.250 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.00X0.43SB	1-1/4	2	7/16	1.250 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.062X0.25TB	1-1/4	2-1/16	1/4	1.250 ±.003	2.062 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.12X0.25SB	1-1/4	2-1/8	1/4	1.250 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.12X0.25TB	1-1/4	2-1/8	1/4	1.250 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.25X2.25X0.25VB	1-1/4	2-1/4	1/4	1.250 ±.003	2.250 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.25X2.47X0.31SC	1-1/4	2-7/16	5/16	1.250 ±.003	2.437 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.28X2.00X0.37TB	1-9/32	2	3/8	1.281 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.31X1.56X0.12VC	1-5/16	1-9/16	1/8	1.3125 ±.003	1.5625 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.31X2.12X0.31TB	1-5/16	2-1/8	5/16	1.312 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.75X0.18SM	1-3/8	1-3/4	3/16	1.375 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.75X0.18VB	1-3/8	1-3/4	3/16	1.375 ±.003	1.750 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.37X1.75X0.21TB	1-3/8	1-3/4	7/32	1.375 ±.003	1.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.82X0.31SB	1-3/8	1-53/64	5/16	1.375 ±.003	1.828 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.87X0.25SB	1-3/8	1-7/8	1/4	1.375 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.93X0.25TB	1-3/8	1-15/16	1/4	1.375 ±.003	1.938 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X1.93X0.25VB	1-3/8	1-15/16	1/4	1.375 ±.003	1.938 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.37X1.98X0.43TM	1-3/8	1.979	7/16	1.372 ±.003	1.979 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.00X0.31VTB	1-3/8	2	5/16	1.375 ±.003	2.000 ±.001	FKM	CARBON STEEL	STAINLESS STEEL

OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-1.37X2.00X0.37TA	1-3/8	2	3/8	1.375 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.12X0.31TB	1-3/8	2-1/8	5/16	1.375 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.12X0.31TC	1-3/8	2-1/8	5/16	1.375 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.12X0.43SA	1-3/8	2-1/8	7/16	1.375 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.25X0.31TB	1-3/8	2-1/4	5/16	1.375 ±.003	2.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.37X0.31TB	1-3/8	2-3/8	5/16	1.375 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.37X2.44X0.31TB	1-3/8	2.441	5/16	1.375 ±.003	2.441 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.43X2.00X0.31TC	1-7/16	2	5/16	1.437 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.43X2.12X0.37SC	1-7/16	2-1/8	3/8	1.438 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.43X2.37X0.31TB	1-7/16	2-3/8	5/16	1.438 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X1.87X0.25SB	1-1/2	1-7/8	1/4	1.500 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X1.87X0.25TB	1-1/2	1-7/8	1/4	1.500 ±.003	1.874 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X1.87X0.25VB	1-1/2	1-7/8	1/4	1.500 ±.003	1.874 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X1.98X0.18VB	1-1/2	1-63/64	3/16	1.500 ±.003	1.983 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X1.98X0.25TB	1-1/2	1-63/64	1/4	1.500 ±.003	1.983 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X1.99X0.25KB	1-1/2	1-63/64	1/4	1.500 ±.003	1.989 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X2.00X0.25VB	1-1/2	2	1/4	1.500 ±.003	2.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X2.00X0.31TB	1-1/2	2	5/16	1.500 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.12X0.31TB	1-1/2	2-1/8	5/16	1.500 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.25X0.25VH	1-1/2	2-1/4	1/4	1.500 ±.003	2.250 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X2.25X0.31SB	1-1/2	2-1/4	5/16	1.500 ±.003	2.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.25X0.31TB	1-1/2	2-1/4	5/16	1.500 ±.003	2.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.25X0.31VTB-H	1-1/2	2-1/4	5/16	1.500 ±.003	2.250 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-1.50X2.37X0.25VH	1-1/2	2-3/8	1/4	1.500 ±.003	2.374 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.50X2.37X0.31TB	1-1/2	2-3/8	5/16	1.500 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.37X0.31TB-H	1-1/2	2-3/8	5/16	1.500 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.50X0.31SB	1-1/2	2-1/2	5/16	1.500 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.50X0.31TB	1-1/2	2-1/2	5/16	1.500 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.50X2.75X0.31SB	1-1/2	2-3/4	5/16	1.500 ±.003	2.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.56X2.12X0.31SB	1-9/16	2-1/8	5/16	1.563 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.56X2.37X0.31TB	1-9/16	2-3/8	5/16	1.563 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X1.87X0.12VM	1-5/8	1-7/8	1/8	1.625 ±.003	1.875 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.625X2.00X0.25SB	1-5/8	2	1/4	1.625 ±.003	2.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X2.12X0.25SB	1-5/8	2-1/8	1/4	1.625 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X2.37X0.31TB	1-5/8	2-3/8	5/16	1.625 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X2.37X0.37TC	1-5/8	2-3/8	3/8	1.625 ±.003	2.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X2.43X0.31TB	1-5/8	2-7/16	5/16	1.625 ±.003	2.437 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.62X2.50X0.31TB	1-5/8	2-1/2	5/16	1.625 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.71X2.56X0.50TB	1-23/32	2-9/16	1/2	1.719 ±.003	2.561 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.00X0.12VM	1-3/4	2	1/8	1.750 ±.003	2.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.75X2.12X0.18SB	1-3/4	2-1/8	3/16	1.750 ±.003	2.125 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.25X0.18VB	1-3/4	2-1/4	3/16	1.750 ±.003	2.250 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.75X2.25X0.31SB	1-3/4	2-1/4	5/16	1.750 ±.003	2.250 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.37X0.31TB	1-3/4	2-3/8	5/16	1.750 ±.003	2.374 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.43X0.31TB	1-3/4	2-7/16	5/16	1.750 ±.003	2.437 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.43X0.31TC	1-3/4	2-7/16	5/16	1.750 ±.003	2.438 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.50X0.31TB	1-3/4	2-1/2	5/16	1.750 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.50X0.31VTB	1-3/4	2-1/2	5/16	1.750 ±.003	2.502 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-1.75X2.56X0.31TB	1-3/4	2-9/16	5/16	1.750 ±.003	2.565 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.62X0.31TB	1-3/4	2-5/8	5/16	1.750 ±.003	2.623 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.68X0.31SL-H	1-3/4	2-11/16	5/16	1.750 ±.003	2.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.75X0.31TB	1-3/4	2-3/4	5/16	1.750 ±.003	2.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X2.87X0.31SB	1-3/4	2-7/8	5/16	1.750 ±.003	2.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.75X3.00X0.37TB	1-3/4	3	3/8	1.750 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.87X2.50X0.25VHY	1-7/8	2-1/2	1/4	1.875 ±.003	2.502 ±.001	NBR	CARBON STEEL	NO SPRING
OS-1.87X2.50X0.31SB	1-7/8	2-1/2	5/16	1.875 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.87X2.62X0.31TB	1-7/8	2-5/8	5/16	1.875 ±.003	2.623 ±.001	NBR	CARBON STEEL	CARBON STEEL

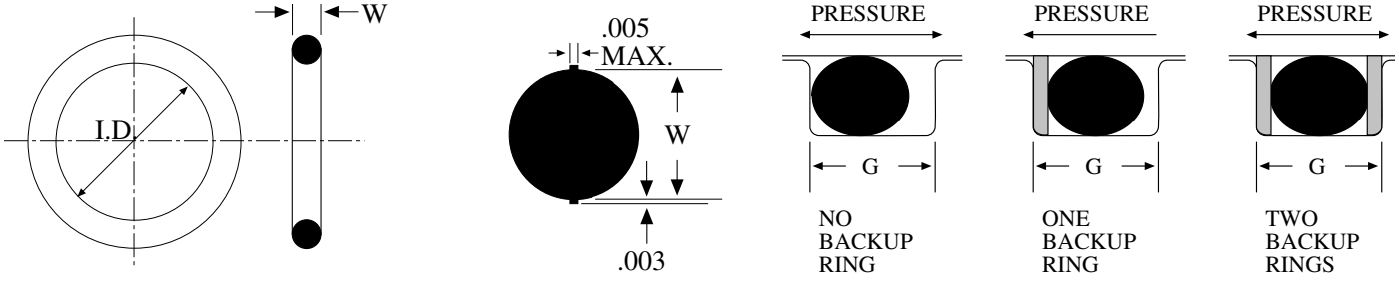
OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-1.87X2.62X0.31TB-H	1-7/8	2-5/8	5/16	1.875 ±.003	2.623 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.87X3.37X0.46TA	1-7/8	3-3/8	15/32	1.875 ±.003	3.375 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.93X2.68X0.31TC	1-15/16	2-11/16	5/16	1.938 ±.003	2.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-1.93X2.68X0.31TL-H	1-15/16	2-11/16	5/16	1.938 ±.003	2.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.50X0.25TC	2	2-1/2	1/4	2.000 ±.003	2.502 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.50X0.25VB	2	2-1/2	1/4	2.000 ±.003	2.502 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.00X2.62X0.25VHY	2	2-5/8	1/4	2.000 ±.003	2.623 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.00X2.62X0.31TB	2	2-5/8	5/16	2.000 ±.003	2.623 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.68X0.37SB	2	2-11/16	3/8	2.000 ±.003	2.686 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.71X0.37TB	2	2-23/32	3/8	2.000 ±.003	2.716 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.75X0.18VM	2	2-3/4	3/16	2.000 ±.003	2.750 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.00X2.75X0.31TB	2	2-3/4	5/16	2.000 ±.003	2.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.75X0.31TC	2	2-3/4	5/16	2.000 ±.003	2.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X2.87X0.31TA	2	2-7/8	5/16	2.000 ±.003	2.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X3.00X0.25SB	2	3	1/4	2.000 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X3.00X0.31TB	2	3	5/16	2.000 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.00X3.00X0.37SA	2	3	3/8	2.000 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.12X2.75X0.50TB	2-1/8	2-3/4	1/2	2.125 ±.003	2.750 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.12X2.87X0.25VB	2-1/8	2-7/8	1/4	2.125 ±.003	2.875 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.12X2.87X0.43TB	2-1/8	2-7/8	7/16	2.125 ±.003	2.875 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.12X3.06X0.50TA	2-1/8	3-1/16	1/2	2.125 ±.003	3.061 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.18X3.00X0.37TB	2-3/16	3	3/8	2.188 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.25X2.87X0.25VH	2-1/4	2-7/8	1/4	2.250 ±.003	2.875 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.25X3.00X0.25TA	2-1/4	3	1/4	2.250 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.25X3.00X0.37SB	2-1/4	3	3/8	2.250 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.25X3.00X0.37TB	2-1/4	3	3/8	2.250 ±.003	3.000 ±.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.25X3.00X0.37VTB	2-1/4	3	3/8	2.250 ±.003	3.000 ±.001	FKM	CARBON STEEL	STAINLESS STEEL
OS-2.25X3.25X0.25VH	2-1/4	3-1/4	1/4	2.250 ±.003	3.251 +.002 -.001	NBR	CARBON STEEL	NO SPRING
OS-2.25X3.25X0.37TB	2-1/4	3-1/4	3/8	2.250 ±.003	3.251 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.37X3.00X0.25VH	2-3/8	3	1/4	2.375 ±.003	3.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.37X3.12X0.37SB	2-3/8	3-1/8	3/8	2.375 ±.003	3.125 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.37X3.12X0.43TA	2-3/8	3-1/8	7/16	2.375 ±.003	3.125 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.37X3.50X0.37SA	2-3/8	3-1/2	3/8	2.375 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.00X0.25VB	2-1/2	3	1/4	2.500 ±.003	3.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.50X3.00X0.28WS	2-1/2	3	9/32	2.500 ±.003	3.000 ±.001	NBR	CARBON STEEL	NO SPRING
OS-2.50X3.06X0.25SM	2-1/2	3-1/16	1/4	2.500 ±.003	3.062 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.18X0.37TB	2-1/2	3-3/16	3/8	2.500 ±.003	3.189 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.25X0.37TB	2-1/2	3-1/4	3/8	2.500 ±.003	3.251 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.25X0.43TA	2-1/2	3-1/4	7/16	2.500 ±.003	3.251 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.50X0.25VH	2-1/2	3-1/2	1/4	2.500 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	NO SPRING
OS-2.50X3.50X0.37TB	2-1/2	3-1/2	3/8	2.500 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.50X3.50X0.43TA	2-1/2	3-1/2	7/16	2.500 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.62X3.37X0.37TA	2-5/8	3-3/8	3/8	2.625 ±.003	3.371 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.62X3.50X0.37TB	2-5/8	3-1/2	3/8	2.625 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-2.75X3.50X0.37TB	2-3/4	3-1/2	3/8	2.750 ±.003	3.500 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL

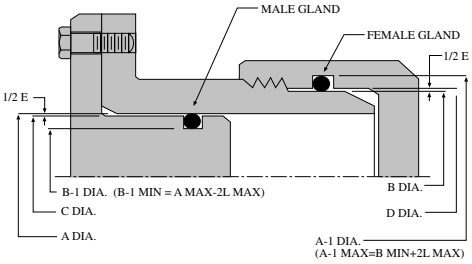
OIL SEALS

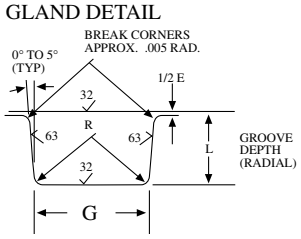
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E SHAFT DIAMETER	G HOUSING DIAMETER	MATERIAL	CAN MATERIAL	SPRING MATERIAL
OS-2.81X3.87X0.43SA	2-13/16	3-7/8	7/16	2.813 ±.003	3.876 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.00X3.75X0.37SB	3	3-3/4	3/8	3.000 ±.003	3.751 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.00X3.75X0.37TB	3	3-3/4	3/8	3.000 ±.003	3.751 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.00X3.75X0.43TA	3	3-3/4	7/16	3.000 ±.003	3.751 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.00X4.00X0.37TB	3	4	3/8	3.000 ±.003	4.003 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.00X4.00X0.43TA	3	4	7/16	3.000 ±.003	4.003 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.25X4.00X0.37PTB	3-1/4	4	3/8	3.250 ±.003	4.003 +.002 -.001	ACM / POLYACRYLATE	CARBON STEEL	STAINLESS STEEL
OS-3.25X4.25X0.37TB	3-1/4	4-1/4	3/8	3.250 ±.003	4.249 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.25X4.25X0.43TA	3-1/4	4-1/4	7/16	3.250 ±.003	4.249 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.25X4.50X0.43TA	3-1/4	4-1/2	7/16	3.250 ±.003	4.501 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.37X4.12X0.37TB	3-3/8	4-1/8	3/8	3.375 ±.003	4.125 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.37X4.37X0.43TA	3-3/8	4-3/8	7/16	3.375 ±.003	4.376 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.50X4.37X0.37TB	3-1/2	4-3/8	3/8	3.500 ±.003	4.376 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.50X4.50X0.43SA	3-1/2	4-1/2	7/16	3.500 ±.003	4.501 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-3.50X4.75X0.25VH	3-1/2	4-3/4	1/4	3.500 ±.003	4.751 +.002 -.001	NBR	CARBON STEEL	NO SPRING
OS-3.75X4.75X0.43STA	3-3/4	4-3/4	7/16	3.750 ±.003	4.751 +.002 -.001	SILICONE / VMQ	CARBON STEEL	CARBON STEEL
OS-3.87X5.25X0.43TA	3-7/8	5-1/4	7/16	3.875 ±.003	5.251 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-4.00X5.00X0.43TA	4	5	7/16	4.000 ±.003	4.999 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-4.00X5.37X0.50TA	4	5-3/8	1/2	4.000 ±.003	5.376 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-5.00X6.00X0.50TA	5	6	1/2	5.000 ±.004	6.001 ±.002	NBR	CARBON STEEL	CARBON STEEL
OS-5.00X6.25X0.50SA	5	6-1/4	1/2	5.000 ±.004	6.250 ±.002	NBR	CARBON STEEL	CARBON STEEL
OS-5.50X6.50X0.50SA	5-1/2	6-1/2	1/2	5.500 ±.004	6.500 ±.002	NBR	CARBON STEEL	CARBON STEEL
OS-5.62X6.62X0.50SA-H	5-5/8	6-5/8	1/2	5.625 ±.004	6.625 ±.002	NBR	CARBON STEEL	CARBON STEEL
OS-5.625X7.186X0.906	5-5/8	7-3/16	29/32	5.625 ±.003	7.186 ±.001	NBR		
OS-6.38X7.88X0.50TA	6-3/8	7-7/8	1/2	6.375 ±.003	7.876 +.002 -.001	NBR	CARBON STEEL	CARBON STEEL
OS-7.92X9.18X0.68Y	7-59/64	9-3/16	11/16	7.921 ±.003	9.187 ±.001	NBR		

O-RING GLAND DIMENSIONS



O-Ring Gland Design For Static Seals

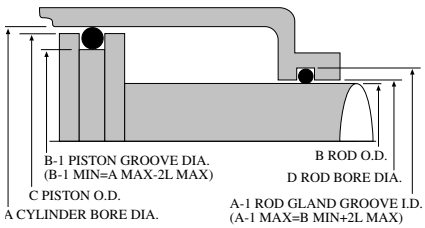


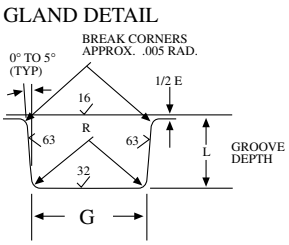


A – Bore Dia. (male gland)
A-1 – Groove Dia. (female gland)
B – Tube OD (female gland)
B-1 – Groove Dia. (male gland)
C – Plug Dia. (male gland)
D – Throat Dia. (female gland)
E – Diametrical Clearance

W O-RING CROSS SECTION	L GROOVE DEPTH		SQUEEZE				E DIAMETRICAL CLEARANCE MAX.	G GROOVE WIDTH ± .005			R GROOVE RADIUS	ECCEN-TRICITY MAX.
			RADIAL		AXIAL			NO BACKUP RING	ONE BACKUP RING	TWO BACKUP RINGS		
	RADIAL	AXIAL	INCHES	%	INCHES	%						
.070	.050-.052	.050 -.054	.015-.023	22-23	.013-.023	19-32	.004	.095	.140	.207	.005-.015	.002
.103	.081-.083	.074-.080	.017-.025	17-24	.020-.032	20-30	.005	.142	.173	.240	.005-.015	.002
.139	.111-.113	.101-.107	.022-.032	16-23	.028-.042	20-30	.006	.189	.210	.277	.010-.025	.003
.210	.170-.173	.152-.162	.032-.045	15-21	.043-.063	21-30	.006	.283	.313	.413	.020-.035	.004
.275	.226-.229	.201-.211	.040-.055	15-20	.058-.080	21-29	.007	.377	.410	.540	.020-.035	.00

O-Ring Gland Design For Reciprocating Seals





A – Bore Dia. of Cylinder
B – OD of Rod
C – OD of Piston
D – Bore Dia. for Rod

W O-RING CROSS SECTION	L GROOVE DEPTH	SQUEEZE		E DIAMETRICAL CLEARANCE MAX.	G GROOVE WIDTH ± .005			R GROOVE RADIUS	ECCEN-TRICITY MAX.
		INCHES	%		NO BACKUP RING	ONE BACKUP RING	TWO BACKUP RINGS		
.070	.055-.057	.010-.018	15-25	.004	.095	.140	.207	.005-.015	.002
.103	.088-.090	.010-.018	10-17	.005	.142	.173	.240	.005-.015	.002
.139	.121-.123	.012-.022	9-16	.006	.189	.210	.277	.010-.025	.003
.210	.185-.188	.017-.030	8-14	.006	.283	.313	.413	.020-.035	.004
.275	.237-.240	.029-.044	11-16	.007	.377	.410	.540	.020-.035	.005

O-RING SIZE CHART AND INSTALLATION DATA

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-001	1/32	3/32	1/32	.029±.004	.040±.003
-001 1/2	1/16	1/8	1/32	.070±.004	.040±.003
-002	3/64	9/64	3/64	.042±.004	.050±.003
-003	1/16	3/16	1/16	.056±.004	.060±.003
-004	5/64	13/64	1/16	.070±.005	.070±.003
-005	3/32	7/32	1/16	.101±.005	.070±.003
-006	1/8	1/4	1/16	.114±.005	.070±.003
-007	5/32	9/32	1/16	.145±.005	.070±.003
-008	3/16	5/16	1/16	.176±.005	.070±.003
-009	7/32	11/32	1/16	.208±.005	.070±.003
-010	1/4	3/8	1/16	.239±.005	.070±.003
-011	5/16	7/16	1/16	.301±.005	.070±.003
-012	3/8	1/2	1/16	.364±.005	.070±.003
-013	7/16	9/16	1/16	.426±.005	.070±.003
-014	1/2	5/8	1/16	.489±.005	.070±.003
-015	9/16	11/16	1/16	.551±.007	.070±.003
-016	5/8	3/4	1/16	.614±.009	.070±.003
-017	11/16	13/16	1/16	.676±.009	.070±.003
-018	3/4	7/8	1/16	.739±.009	.070±.003
-019	13/16	15/16	1/16	.801±.009	.070±.003
-020	7/8	1	1/16	.864±.009	.070±.003
-021	15/16	1 1/16	1/16	.926±.009	.070±.003
-022	1	1 1/8	1/16	.989±.010	.070±.003
-023	1 1/16	1 3/16	1/16	1.051±.010	.070±.003
-024	1 1/8	1 1/4	1/16	1.114±.010	.070±.003
-025	1 3/16	1 5/16	1/16	1.176±.011	.070±.003
-026	1 1/4	1 3/8	1/16	1.239±.011	.070±.003
-027	1 5/16	1 7/16	1/16	1.301±.011	.070±.003
-028	1 3/8	1 1/2	1/16	1.364±.013	.070±.003
-029	1 1/2	1 5/8	1/16	1.489±.013	.070±.003
-030	1 5/8	1 3/4	1/16	1.614±.013	.070±.003
-031	1 3/4	1 7/8	1/16	1.739±.015	.070±.003
-032	1 7/8	2	1/16	1.864±.015	.070±.003
-033	2	2 1/8	1/16	1.989±.018	.070±.003
-034	2 1/8	2 1/4	1/16	2.114±.018	.070±.003
-035	2 1/4	2 3/8	1/16	2.239±.018	.070±.003
-036	2 3/8	2 1/2	1/16	2.364±.018	.070±.003
-037	2 1/2	2 5/8	1/16	2.489±.018	.070±.003
-038	2 5/8	2 3/4	1/16	2.614±.020	.070±.003
-039	2 3/4	2 7/8	1/16	2.739±.020	.070±.003
-040	2 7/8	3	1/16	2.864±.020	.070±.003
-041	3	3 1/8	1/16	2.989±.024	.070±.003
-042	3 1/4	3 3/8	1/16	3.239±.024	.070±.003
-043	3 1/2	3 5/8	1/16	3.489±.024	.070±.003
-044	3 3/4	3 7/8	1/16	3.739±.027	.070±.003
-045	4	4 1/8	1/16	3.989±.027	.070±.003
-046	4 1/4	4 3/8	1/16	4.239±.030	.070±.003

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-047	4 1/2	4 5/8	1/16	4.489±.030	.070±.003
-048	4 3/4	4 7/8	1/16	4.739±.030	.070±.003
-049	5	5 1/8	1/16	4.989±.037	.070±.003
-050	5 1/4	5 3/8	1/16	5.239±.037	.070±.003
-102	1/16	1/4	3/32	.049±.005	.103±.003
-103	3/32	9/32	3/32	.081±.005	.103±.003
-104	1/8	5/16	3/32	.112±.005	.103±.003
-105	5/32	11/32	3/32	.143±.005	.103±.003
-106	3/16	3/8	3/32	.174±.005	.103±.003
-107	7/32	13/32	3/32	.206±.005	.103±.003
-108	1/4	7/16	3/32	.237±.005	.103±.003
-109	5/16	1/2	3/32	.299±.005	.103±.003
-110	3/8	9/16	3/32	.362±.005	.103±.003
-111	7/16	5/8	3/32	.424±.005	.103±.003
-112	1/2	11/16	3/32	.487±.005	.103±.003
-113	9/16	3/4	3/32	.549±.005	.103±.003
-114	5/8	13/16	3/32	.612±.009	.103±.003
-115	11/16	7/8	3/32	.674±.009	.103±.003
-116	3/4	15/16	3/32	.737±.009	.103±.003
-117	13/16	1	3/32	.799±.010	.103±.003
-118	7/8	1 1/16	3/32	.862±.010	.103±.003
-119	15/16	1 1/8	3/32	.924±.010	.103±.003
-120	1	1 3/16	3/32	.987±.010	.103±.003
-121	1 1/16	1 1/4	3/32	1.049±.010	.103±.003
-122	1 1/8	1 5/16	3/32	1.112±.010	.103±.003
-123	1 3/16	1 3/8	3/32	1.174±.012	.103±.003
-124	1 1/4	1 7/16	3/32	1.237±.012	.103±.003
-125	1 5/16	1 1/2	3/32	1.299±.012	.103±.003
-126	1 3/8	1 9/16	3/32	1.362±.012	.103±.003
-127	1 7/16	1 5/8	3/32	1.424±.012	.103±.003
-128	1 1/2	1 11/16	3/32	1.487±.012	.103±.003
-129	1 9/16	1 3/4	3/32	1.549±.015	.103±.003
-130	1 5/8	1 13/16	3/32	1.612±.015	.103±.003
-131	1 11/16	1 7/8	3/32	1.674±.015	.103±.003
-132	1 3/4	1 15/16	3/32	1.737±.015	.103±.003
-133	1 13/16	2	3/32	1.799±.015	.103±.003
-134	1 7/8	2 1/16	3/32	1.862±.015	.103±.003
-135	1 15/16	2 1/8	3/32	1.925±.017	.103±.003
-136	2	2 3/16	3/32	1.987±.017	.103±.003
-137	2 1/16	2 1/4	3/32	2.050±.017	.103±.003
-138	2 1/8	2 5/16	3/32	2.112±.017	.103±.003
-139	2 3/16	2 3/8	3/32	2.175±.017	.103±.003
-140	2 1/4	2 7/16	3/32	2.237±.017	.103±.003
-141	2 5/16	2 1/2	3/32	2.300±.020	.103±.003
-142	2 3/8	2 9/16	3/32	2.362±.020	.103±.003
-143	2 7/16	2 5/8	3/32	2.425±.020	.103±.003
-144	2 1/2	2 11/16	3/32	2.487±.020	.103±.003

O-RING SIZE CHART AND INSTALLATION DATA

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-145	2 9/16	2 3/4	3/32	2.550±.020	.103±.003
-146	2 5/8	2 13/16	3/32	2.612±.020	.103±.003
-147	2 11/16	2 7/8	3/32	2.675±.022	.103±.003
-148	2 3/4	2 15/16	3/32	2.737±.022	.103±.003
-149	2 13/16	3	3/32	2.800±.022	.103±.003
-150	2 7/8	3 1/16	3/32	2.862±.022	.103±.003
-151	3	3 3/16	3/32	2.987±.024	.103±.003
-152	3 1/4	3 7/16	3/32	3.237±.024	.103±.003
-153	3 1/2	3 11/16	3/32	3.487±.024	.103±.003
-154	3 3/4	3 15/16	3/32	3.737±.028	.103±.003
-155	4	4 3/16	3/32	3.987±.028	.103±.003
-156	4 1/4	4 7/16	3/32	4.237±.030	.103±.003
-157	4 1/2	4 11/16	3/32	4.487±.030	.103±.003
-158	4 3/4	4 15/16	3/32	4.737±.030	.103±.003
-159	5	5 3/16	3/32	4.987±.035	.103±.003
-160	5 1/4	5 7/16	3/32	5.237±.035	.103±.003
-161	5 1/2	5 11/16	3/32	5.487±.035	.103±.003
-162	5 3/4	5 15/16	3/32	5.737±.035	.103±.003
-163	6	6 3/16	3/32	5.987±.035	.103±.003
-164	6 1/4	6 7/16	3/32	6.237±.040	.103±.003
-165	6 1/2	6 11/16	3/32	6.487±.040	.103±.003
-166	6 3/4	6 15/16	3/32	6.737±.040	.103±.003
-167	7	7 3/16	3/32	6.987±.040	.103±.003
-168	7 1/4	7 7/16	3/32	7.237±.045	.103±.003
-169	7 1/2	7 11/16	3/32	7.487±.045	.103±.003
-170	7 3/4	7 15/16	3/32	7.737±.045	.103±.003
-171	8	8 3/16	3/32	7.987±.045	.103±.003
-172	8 1/4	8 7/16	3/32	8.237±.050	.103±.003
-173	8 1/2	8 11/16	3/32	8.487±.050	.103±.003
-174	8 3/4	8 15/16	3/32	8.737±.050	.103±.003
-175	9	9 3/16	3/32	8.987±.050	.103±.003
-176	9 1/4	9 7/16	3/32	9.237±.055	.103±.003
-177	9 1/2	9 11/16	3/32	9.487±.055	.103±.003
-178	9 3/4	9 15/16	3/32	9.737±.055	.103±.003
-201	3/16	7/16	1/8	.171±.005	.139±.004
-202	1/4	1/2	1/8	.234±.005	.139±.004
-203	5/16	9/16	1/8	.296±.005	.139±.004
-204	3/8	5/8	1/8	.359±.005	.139±.004
-205	7/16	11/16	1/8	.421±.005	.139±.004
-206	1/2	3/4	1/8	.484±.005	.139±.004
-207	9/16	13/16	1/8	.546±.007	.139±.004
-208	5/8	7/8	1/8	.609±.009	.139±.004
-209	11/16	15/16	1/8	.671±.009	.139±.004
-210	3/4	1	1/8	.734±.010	.139±.004
-211	13/16	1 1/16	1/8	.796±.010	.139±.004
-212	7/8	1 1/8	1/8	.859±.010	.139±.004
-213	15/16	1 3/16	1/8	.921±.010	.139±.004

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-214	1	1 1/4	1/8	.984±.010	.139±.004
-215	1 1/16	1 5/16	1/8	1.046±.010	.139±.004
-216	1 1/8	1 3/8	1/8	1.109±.012	.139±.004
-217	1 3/16	1 7/16	1/8	1.171±.012	.139±.004
-218	1 1/4	1 1/2	1/8	1.234±.012	.139±.004
-219	1 5/16	1 9/16	1/8	1.296±.012	.139±.004
-220	1 3/8	1 5/8	1/8	1.359±.012	.139±.004
-221	1 7/16	1 11/16	1/8	1.421±.012	.139±.004
-222	1 1/2	1 3/4	1/8	1.484±.015	.139±.004
-223	1 5/8	1 7/8	1/8	1.609±.015	.139±.004
-224	1 3/4	2	1/8	1.734±.015	.139±.004
-225	1 7/8	2 1/8	1/8	1.859±.018	.139±.004
-226	2	2 1/4	1/8	1.984±.018	.139±.004
-227	2 1/8	2 3/8	1/8	2.109±.018	.139±.004
-228	2 1/4	2 1/2	1/8	2.234±.020	.139±.004
-229	2 3/8	2 5/8	1/8	2.359±.020	.139±.004
-230	2 1/2	2 3/4	1/8	2.484±.020	.139±.004
-231	2 5/8	2 7/8	1/8	2.609±.020	.139±.004
-232	2 3/4	3	1/8	2.734±.024	.139±.004
-233	2 7/8	3 1/8	1/8	2.859±.024	.139±.004
-234	3	3 1/4	1/8	2.984±.024	.139±.004
-235	3 1/8	3 3/8	1/8	3.109±.024	.139±.004
-236	3 1/4	3 1/2	1/8	3.234±.024	.139±.004
-237	3 3/8	3 5/8	1/8	3.359±.024	.139±.004
-238	3 1/2	3 3/4	1/8	3.484±.024	.139±.004
-239	3 5/8	3 7/8	1/8	3.609±.028	.139±.004
-240	3 3/4	4	1/8	3.734±.028	.139±.004
-241	3 7/8	4 1/8	1/8	3.859±.028	.139±.004
-242	4	4 1/4	1/8	3.984±.028	.139±.004
-243	4 1/8	4 3/8	1/8	4.109±.028	.139±.004
-244	4 1/4	4 1/2	1/8	4.234±.030	.139±.004
-245	4 3/8	4 5/8	1/8	4.359±.030	.139±.004
-246	4 1/2	4 3/4	1/8	4.484±.030	.139±.004
-247	4 5/8	4 7/8	1/8	4.609±.030	.139±.004
-248	4 3/4	5	1/8	4.734±.030	.139±.004
-249	4 7/8	5 1/8	1/8	4.859±.035	.139±.004
-250	5	5 1/4	1/8	4.984±.035	.139±.004
-251	5 1/8	5 3/8	1/8	5.109±.035	.139±.004
-252	5 1/4	5 1/2	1/8	5.234±.035	.139±.004
-253	5 3/8	5 5/8	1/8	5.359±.035	.139±.004
-254	5 1/2	5 3/4	1/8	5.484±.035	.139±.004
-255	5 5/8	5 7/8	1/8	5.609±.035	.139±.004
-256	5 3/4	6	1/8	5.734±.035	.139±.004
-257	5 7/8	6 1/8	1/8	5.859±.035	.139±.004
-258	6	6 1/4	1/8	5.984±.035	.139±.004
-259	6 1/4	6 1/2	1/8	6.234±.040	.139±.004
-260	6 1/2	6 3/4	1/8	6.484±.040	.139±.004



O-RING SIZE CHART AND INSTALLATION DATA

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-261	6 3/4	7	1/8	6.734±.040	.139±.004
-262	7	7 1/4	1/8	6.984±.040	.139±.004
-263	7 1/4	7 1/2	1/8	7.234±.045	.139±.004
-264	7 1/2	7 3/4	1/8	7.484±.045	.139±.004
-265	7 3/4	8	1/8	7.734±.045	.139±.004
-266	8	8 1/4	1/8	7.984±.045	.139±.004
-267	8 1/4	8 1/2	1/8	8.234±.050	.139±.004
-268	8 1/2	8 3/4	1/8	8.484±.050	.139±.004
-269	8 3/4	9	1/8	8.734±.050	.139±.004
-270	9	9 1/4	1/8	8.984±.050	.139±.004
-271	9 1/4	9 1/2	1/8	9.234±.055	.139±.004
-272	9 1/2	9 3/4	1/8	9.484±.055	.139±.004
-273	9 3/4	10	1/8	9.734±.055	.139±.004
-274	10	10 1/4	1/8	9.984±.055	.139±.004
-275	10 1/2	10 3/4	1/8	10.484±.055	.139±.004
-276	11	11 1/4	1/8	10.984±.065	.139±.004
-277	11 1/2	11 3/4	1/8	11.484±.065	.139±.004
-278	12	12 1/4	1/8	11.984±.065	.139±.004
-279	13	13 1/4	1/8	12.984±.065	.139±.004
-280	14	14 1/4	1/8	13.984±.065	.139±.004
-281	15	15 1/4	1/8	14.984±.065	.139±.004
-282	16	16 1/4	1/8	15.955±.075	.139±.004
-283	17	17 1/4	1/8	16.955±.080	.139±.004
-284	18	18 1/4	1/8	17.955±.085	.139±.004
-309	7/16	13/16	3/16	.412±.005	.210±.005
-310	1/2	7/8	3/16	.475±.005	.210±.005
-311	9/16	15/16	3/16	.537±.007	.210±.005
-312	5/8	1	3/16	.600±.009	.210±.005
-313	11/16	1 1/16	3/16	.662±.009	.210±.005
-314	3/4	1 1/8	3/16	.725±.010	.210±.005
-315	13/16	1 3/16	3/16	.787±.010	.210±.005
-316	7/8	1 1/4	3/16	.850±.010	.210±.005
-317	15/16	1 5/16	3/16	.912±.010	.210±.005
-318	1	1 3/8	3/16	.975±.010	.210±.005
-319	1 1/16	1 7/16	3/16	1.037±.010	.210±.005
-320	1 1/8	1 1/2	3/16	1.100±.012	.210±.005
-321	1 3/16	1 9/16	3/16	1.162±.012	.210±.005
-322	1 1/4	1 5/8	3/16	1.225±.012	.210±.005
-323	1 5/16	1 11/16	3/16	1.287±.012	.210±.005
-324	1 3/8	1 3/4	3/16	1.350±.012	.210±.005
-325	1 1/2	1 7/8	3/16	1.475±.015	.210±.005
-326	1 5/8	2	3/16	1.600±.015	.210±.005
-327	1 3/4	2 1/8	3/16	1.725±.015	.210±.005
-328	1 7/8	2 1/4	3/16	1.850±.015	.210±.005
-329	2	2 3/8	3/16	1.975±.018	.210±.005
-330	2 1/8	2 1/2	3/16	2.100±.018	.210±.005
-331	2 1/4	2 5/8	3/16	2.225±.018	.210±.005

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-332	2 3/8	2 3/4	3/16	2.350±.018	.210±.005
-333	2 1/2	2 7/8	3/16	2.475±.020	.210±.005
-334	2 5/8	3	3/16	2.600±.020	.210±.005
-335	2 3/4	3 1/8	3/16	2.725±.020	.210±.005
-336	2 7/8	3 1/4	3/16	2.850±.020	.210±.005
-337	3	3 3/8	3/16	2.975±.024	.210±.005
-338	3 1/8	3 1/2	3/16	3.100±.024	.210±.005
-339	3 1/4	3 5/8	3/16	3.225±.024	.210±.005
-340	3 3/8	3 3/4	3/16	3.350±.024	.210±.005
-341	3 1/2	3 7/8	3/16	3.475±.024	.210±.005
-342	3 5/8	4	3/16	3.600±.028	.210±.005
-343	3 3/4	4 1/8	3/16	3.725±.028	.210±.005
-344	3 7/8	4 1/4	3/16	3.850±.028	.210±.005
-345	4	4 3/8	3/16	3.975±.028	.210±.005
-346	4 1/8	4 1/2	3/16	4.100±.028	.210±.005
-347	4 1/4	4 5/8	3/16	4.225±.030	.210±.005
-348	4 3/8	4 3/4	3/16	4.350±.030	.210±.005
-349	4 1/2	4 7/8	3/16	4.475±.030	.210±.005
-350	4 5/8	5	3/16	4.600±.030	.210±.005
-351	4 3/4	5 1/8	3/16	4.725±.030	.210±.005
-352	4 7/8	5 1/4	3/16	4.850±.030	.210±.005
-353	5	5 3/8	3/16	4.975±.037	.210±.005
-354	5 1/8	5 1/2	3/16	5.100±.037	.210±.005
-355	5 1/4	5 5/8	3/16	5.225±.037	.210±.005
-356	5 3/8	5 3/4	3/16	5.350±.037	.210±.005
-357	5 1/2	5 7/8	3/16	5.475±.037	.210±.005
-358	5 5/8	6	3/16	5.600±.037	.210±.005
-359	5 3/4	6 1/8	3/16	5.725±.037	.210±.005
-360	5 7/8	6 1/4	3/16	5.850±.037	.210±.005
-361	6	6 3/8	3/16	5.975±.037	.210±.005
-362	6 1/4	6 5/8	3/16	6.225±.040	.210±.005
-363	6 1/2	6 7/8	3/16	6.475±.040	.210±.005
-364	6 3/4	7 1/8	3/16	6.725±.040	.210±.005
-365	7	7 3/8	3/16	6.975±.040	.210±.005
-366	7 1/4	7 5/8	3/16	7.225±.045	.210±.005
-367	7 1/2	7 7/8	3/16	7.475±.045	.210±.005
-368	7 3/4	8 1/8	3/16	7.725±.045	.210±.005
-369	8	8 3/8	3/16	7.975±.045	.210±.005
-370	8 1/4	8 5/8	3/16	8.225±.050	.210±.005
-371	8 1/2	8 7/8	3/16	8.475±.050	.210±.005
-372	8 3/4	9 1/8	3/16	8.725±.050	.210±.005
-373	9	9 3/8	3/16	8.975±.050	.210±.005
-374	9 1/4	9 5/8	3/16	9.225±.055	.210±.005
-375	9 1/2	9 7/8	3/16	9.475±.055	.210±.005
-376	9 3/4	10 1/8	3/16	9.725±.055	.210±.005
-377	10	10 3/8	3/16	9.975±.055	.210±.005
-378	10 1/2	10 7/8	3/16	10.475±.060	.210±.005

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

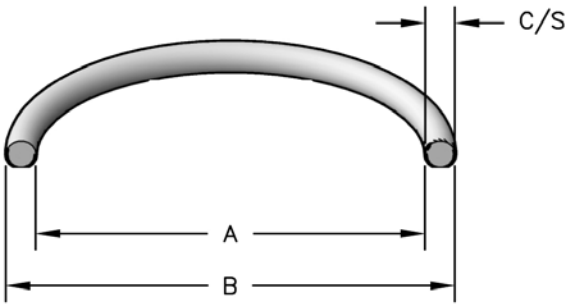
O-RING SIZE CHART AND INSTALLATION DATA

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-379	11	11 3/8	3/16	10.975±.060	.210±.005
-380	11 1/2	11 7/8	3/16	11.475±.065	.210±.005
-381	12	12 3/8	3/16	11.975±.065	.210±.005
-382	13	13 3/8	3/16	12.975±.065	.210±.005
-383	14	14 3/8	3/16	13.975±.070	.210±.005
-384	15	15 3/8	3/16	14.975±.070	.210±.005
-385	16	16 3/8	3/16	15.955±.075	.210±.005
-386	17	17 3/8	3/16	16.955±.080	.210±.005
-387	18	18 3/8	3/16	17.955±.085	.210±.005
-388	19	19 3/8	3/16	18.955±.090	.210±.005
-389	20	20 3/8	3/16	19.955±.095	.210±.005
-390	21	21 3/8	3/16	20.955±.095	.210±.005
-391	22	22 3/8	3/16	21.955±.100	.210±.005
-392	23	23 3/8	3/16	22.940±.105	.210±.005
-393	24	24 3/8	3/16	23.940±.110	.210±.005
-394	25	25 3/8	3/16	24.940±.115	.210±.005
-395	26	26 3/8	3/16	25.940±.120	.210±.005
-400*	1 3/8	1 7/8	1/4	1.225±.012	.275±.006
-401*	1 1/2	2	1/4	1.475±.014	.275±.006
-402*	1 5/8	2 1/8	1/4	1.600±.015	.275±.006
-403*	1 3/4	2 1/4	1/4	1.725±.016	.275±.006
-404*	1 7/8	2 3/8	1/4	1.850±.016	.275±.006
-405*	2	2 1/2	1/4	1.975±.017	.275±.006
-406*	2 1/8	2 5/8	1/4	2.100±.018	.275±.006
-407*	2 1/4	2 3/4	1/4	2.225±.018	.275±.006
-408*	2 3/8	2 7/8	1/4	2.350±.020	.275±.006
-409*	2 1/2	3	1/4	2.475±.020	.275±.006
-410*	2 5/8	3 1/8	1/4	2.600±.020	.275±.006
-411*	2 3/4	3 1/4	1/4	2.725±.022	.275±.006
-412*	2 7/8	3 3/8	1/4	2.850±.022	.275±.006
-413*	3	3 1/2	1/4	2.975±.024	.275±.006
-414*	3 1/8	3 5/8	1/4	3.100±.024	.275±.006
-415*	3 1/4	3 3/4	1/4	3.225±.024	.275±.006
-416*	3 3/8	3 7/8	1/4	3.350±.026	.275±.006
-417*	3 1/2	4	1/4	3.475±.026	.275±.006
-418*	3 5/8	4 1/8	1/4	3.600±.026	.275±.006
-419*	3 3/4	4 1/4	1/4	3.725±.028	.275±.006
-420*	3 7/8	4 3/8	1/4	3.850±.028	.275±.006
-421*	4	4 1/2	1/4	3.975±.028	.275±.006
-422*	4 1/8	4 5/8	1/4	4.100±.030	.275±.006
-423*	4 1/4	4 3/4	1/4	4.225±.030	.275±.006
-424*	4 3/8	4 7/8	1/4	4.350±.030	.275±.006
-425	4 1/2	5	1/4	4.475±.033	.275±.006
-426	4 5/8	5 1/8	1/4	4.600±.033	.275±.006
-427	4 3/4	5 1/4	1/4	4.725±.033	.275±.006
-428	4 7/8	5 3/8	1/4	4.850±.033	.275±.006
-429	5	5 1/2	1/4	4.975±.037	.275±.006

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	ID	OD	Width	ID Tol.	W. Tol.
-430	5 1/8	5 5/8	1/4	5.100±.037	.275±.006
-431	5 1/4	5 3/4	1/4	5.225±.037	.275±.006
-432	5 3/8	5 7/8	1/4	5.350±.037	.275±.006
-433	5 1/2	6	1/4	5.475±.037	.275±.006
-434	5 5/8	6 1/8	1/4	5.600±.037	.275±.006
-435	5 3/4	6 1/4	1/4	5.725±.037	.275±.006
-436	5 7/8	6 3/8	1/4	5.850±.037	.275±.006
-437	6	6 1/2	1/4	5.975±.037	.275±.006
-438	6 1/4	6 3/4	1/4	6.225±.040	.275±.006
-439	6 1/2	7	1/4	6.475±.040	.275±.006
-440	6 3/4	7 1/4	1/4	6.725±.040	.275±.006
-441	7	7 1/2	1/4	6.975±.040	.275±.006
-442	7 1/4	7 3/4	1/4	7.225±.045	.275±.006
-443	7 1/2	8	1/4	7.475±.045	.275±.006
-444	7 3/4	8 1/4	1/4	7.725±.045	.275±.006
-445	8	8 1/2	1/4	7.975±.045	.275±.006
-446	8 1/2	9	1/4	8.475±.055	.275±.006
-447	9	9 1/2	1/4	8.975±.055	.275±.006
-448	9 1/2	10	1/4	9.475±.055	.275±.006
-449	10	10 1/2	1/4	9.975±.055	.275±.006
-450	10 1/2	11	1/4	10.475±.060	.275±.006
-451	11	11 1/2	1/4	10.975±.060	.275±.006
-452	11 1/2	12	1/4	11.475±.060	.275±.006
-453	12	12 1/2	1/4	11.975±.060	.275±.006
-454	12 1/2	13	1/4	12.475±.060	.275±.006
-455	13	13 1/2	1/4	12.975±.060	.275±.006
-456	13 1/2	14	1/4	13.475±.070	.275±.006
-457	14	14 1/2	1/4	13.975±.070	.275±.006
-458	14 1/2	15	1/4	14.475±.070	.275±.006
-459	15	15 1/2	1/4	14.975±.070	.275±.006
-460	15 1/2	16	1/4	15.475±.070	.275±.006
-461	16	16 1/2	1/4	15.955±.075	.275±.006
-462	16 1/2	17	1/4	16.455±.075	.275±.006
-463	17	17 1/2	1/4	16.955±.080	.275±.006
-464	17 1/2	18	1/4	17.455±.085	.275±.006
-465	18	18 1/2	1/4	17.955±.085	.275±.006
-466	18 1/2	19	1/4	18.455±.085	.275±.006
-467	19	19 1/2	1/4	18.955±.090	.275±.006
-468	19 1/2	20	1/4	19.455±.090	.275±.006
-469	20	20 1/2	1/4	19.955±.090	.275±.006
-470	21	21 1/2	1/4	20.955±.090	.275±.006
-471	22	22 1/2	1/4	21.955±.100	.275±.006
-472	23	23 1/2	1/4	22.940±.105	.275±.006
-473	24	24 1/2	1/4	23.940±.110	.275±.006
-474	25	25 1/2	1/4	24.940±.115	.275±.006
-475	26	26 1/2	1/4	25.940±.120	.275±.006

* NON-ANSI STANDARD

STYLE 568, 70 DURO BUNA-N O-RINGS



PART NUMBERS

568 - 001

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/32" C/S						
568-001	1/32	3/32	1/32	.029 ±.004	.040 ±.003	50
568-001-1/2	1/16	1/8	1/32	.070 ±.004	.040 ±.003	50
3/64" C/S						
568-002	3/64	9/64	3/64	.042 ±.004	.050 ±.003	50
1/16" C/S						
568-003	1/16	3/16	1/16	.056 ±.004	.060 ±.003	50
568-004	5/64	13/64	1/16	.070 ±.005	.070 ±.003	50
568-005	3/32	7/32	1/16	.101 ±.005	.070 ±.003	50
568-006	1/8	1/4	1/16	.114 ±.005	.070 ±.003	50
568-007	5/32	9/32	1/16	.145 ±.005	.070 ±.003	50
568-008	3/16	5/16	1/16	.176 ±.005	.070 ±.003	50
568-009	7/32	11/32	1/16	.208 ±.005	.070 ±.003	50
568-010	1/4	3/8	1/16	.239 ±.005	.070 ±.003	50
568-011	5/16	7/16	1/16	.301 ±.005	.070 ±.003	50
568-012	3/8	1/2	1/16	.364 ±.005	.070 ±.003	50
568-013	7/16	9/16	1/16	.426 ±.005	.070 ±.003	50
568-014	1/2	5/8	1/16	.489 ±.005	.070 ±.003	50
568-015	9/16	11/16	1/16	.551 ±.007	.070 ±.003	50
568-016	5/8	3/4	1/16	.614 ±.009	.070 ±.003	50
568-017	11/16	13/16	1/16	.676 ±.009	.070 ±.003	50
568-018	3/4	7/8	1/16	.739 ±.009	.070 ±.003	50
568-019	13/16	15/16	1/16	.801 ±.009	.070 ±.003	50
568-020	7/8	1	1/16	.864 ±.009	.070 ±.003	50
568-021	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	50
568-022	1	1-1/8	1/16	.989 ±.010	.070 ±.003	50
568-023	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	50
568-024	1-1/8	1-1/4	1/16	1.114 ±.010	.070 ±.003	50
568-025	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	50
568-026	1-1/4	1-3/8	1/16	1.239 ±.011	.070 ±.003	50
568-027	1-5/16	1-7/16	1/16	1.301 ±.011	.070 ±.003	50
568-028	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	20
568-029	1-1/2	1-5/8	1/16	1.489 ±.013	.070 ±.003	20
568-030	1-5/8	1-3/4	1/16	1.614 ±.013	.070 ±.003	20
568-031	1-3/4	1-7/8	1/16	1.739 ±.015	.070 ±.003	20
568-032	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	20
568-033	2	2-1/8	1/16	1.989 ±.018	.070 ±.003	20
568-034	2-1/8	2-1/4	1/16	2.114 ±.018	.070 ±.003	20
568-035	2-1/4	2-3/8	1/16	2.239 ±.018	.070 ±.003	20
568-036	2-3/8	2-1/2	1/16	2.364 ±.018	.070 ±.003	20
568-037	2-1/2	2-5/8	1/16	2.489 ±.018	.070 ±.003	20
568-038	2-5/8	2-3/4	1/16	2.614 ±.020	.070 ±.003	20
568-039	2-3/4	2-7/8	1/16	2.739 ±.020	.070 ±.003	20

STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-040	2-7/8	3	1/16	2.864 ±.020	.070 ±.003	20
568-041	3	3-1/8	1/16	2.989 ±.024	.070 ±.003	20
568-042	3-1/4	3-3/8	1/16	3.239 ±.024	.070 ±.003	20
568-043	3-1/2	3-5/8	1/16	3.489 ±.024	.070 ±.003	20
568-044	3-3/4	3-7/8	1/16	3.739 ±.027	.070 ±.003	10
568-045	4	4-1/8	1/16	3.989 ±.027	.070 ±.003	10
568-046	4-1/4	4-3/8	1/16	4.239 ±.030	.070 ±.003	10
568-047	4-1/2	4-5/8	1/16	4.489 ±.030	.070 ±.003	10
568-048	4-3/4	4-7/8	1/16	4.739 ±.030	.070 ±.003	10
568-049	5	5-1/8	1/16	4.989 ±.037	.070 ±.003	10
568-050	5-1/4	5-3/8	1/16	5.239 ±.037	.070 ±.003	10
			3/32" C/S			
568-102	1/16	1/4	3/32	.049 ±.005	.103 ±.003	50
568-103	3/32	9/32	3/32	.081 ±.005	.103 ±.003	50
568-104	1/8	5/16	3/32	.112 ±.005	.103 ±.003	50
568-105	5/32	11/32	3/32	.143 ±.005	.103 ±.003	50
568-106	3/16	3/8	3/32	.174 ±.005	.103 ±.003	50
568-107	7/32	13/32	3/32	.206 ±.005	.103 ±.003	50
568-108	1/4	7/16	3/32	.237 ±.005	.103 ±.003	50
568-109	5/16	1/2	3/32	.299 ±.005	.103 ±.003	50
568-110	3/8	9/16	3/32	.362 ±.005	.103 ±.003	50
568-111	7/16	5/8	3/32	.424 ±.005	.103 ±.003	50
568-112	1/2	11/16	3/32	.487 ±.005	.103 ±.003	50
568-113	9/16	3/4	3/32	.549 ±.005	.103 ±.003	50
568-114	5/8	13/16	3/32	.612 ±.009	.103 ±.003	50
568-115	11/16	7/8	3/32	.674 ±.009	.103 ±.003	50
568-116	3/4	15/16	3/32	.737 ±.009	.103 ±.003	50
568-117	13/16	1	3/32	.799 ±.010	.103 ±.003	50
568-118	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	50
568-119	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	50
568-120	1	1-3/16	3/32	.987 ±.010	.103 ±.003	50
568-121	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	50
568-122	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	50
568-123	1-3/16	1-3/8	3/32	1.174 ±.012	.103 ±.003	50
568-124	1-1/4	1-7/16	3/32	1.237 ±.012	.103 ±.003	50
568-125	1-5/16	1-1/2	3/32	1.299 ±.012	.103 ±.003	50
568-126	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	20
568-127	1-7/16	1-5/8	3/32	1.424 ±.012	.103 ±.003	20
568-128	1-1/2	1-11/16	3/32	1.487 ±.012	.103 ±.003	20
568-129	1-9/16	1-3/4	3/32	1.549 ±.015	.103 ±.003	20
568-130	1-5/8	1-13/16	3/32	1.612 ±.015	.103 ±.003	20
568-131	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	20
568-132	1-3/4	1-15/16	3/32	1.737 ±.015	.103 ±.003	20
568-133	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	20
568-134	1-7/8	2-1/16	3/32	1.862 ±.015	.103 ±.003	20
568-135	1-15/16	2-1/8	3/32	1.925 ±.017	.103 ±.003	20
568-136	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	20
568-137	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	20
568-138	2-1/8	2-5/16	3/32	2.112 ±.017	.103 ±.003	20
568-139	2-3/16	2-3/8	3/32	2.175 ±.017	.103 ±.003	20
568-140	2-1/4	2-7/16	3/32	2.237 ±.017	.103 ±.003	20
568-141	2-5/16	2-1/2	3/32	2.300 ±.020	.103 ±.003	20
568-142	2-3/8	2-9/16	3/32	2.362 ±.020	.103 ±.003	20
568-143	2-7/16	2-5/8	3/32	2.425 ±.020	.103 ±.003	20
568-144	2-1/2	2-11/16	3/32	2.487 ±.020	.103 ±.003	20
568-145	2-9/16	2-3/4	3/32	2.550 ±.020	.103 ±.003	20
568-146	2-5/8	2-13/16	3/32	2.612 ±.020	.103 ±.003	20

STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-147	2-11/16	2-7/8	3/32	2.675 ±.022	.103 ±.003	20
568-148	2-3/4	2-15/16	3/32	2.737 ±.022	.103 ±.003	20
568-149	2-13/16	3	3/32	2.800 ±.022	.103 ±.003	20
568-150	2-7/8	3-1/16	3/32	2.862 ±.022	.103 ±.003	20
568-151	3	3-3/16	3/32	2.987 ±.024	.103 ±.003	20
568-152	3-1/4	3-7/16	3/32	3.237 ±.024	.103 ±.003	20
568-153	3-1/2	3-11/16	3/32	3.487 ±.024	.103 ±.003	20
568-154	3-3/4	3-15/16	3/32	3.737 ±.028	.103 ±.003	20
568-155	4	4-3/16	3/32	3.987 ±.028	.103 ±.003	10
568-156	4-1/4	4-7/16	3/32	4.237 ±.030	.103 ±.003	10
568-157	4-1/2	4-11/16	3/32	4.487 ±.030	.103 ±.003	10
568-158	4-3/4	4-15/16	3/32	4.737 ±.030	.103 ±.003	10
568-159	5	5-3/16	3/32	4.987 ±.035	.103 ±.003	10
568-160	5-1/4	5-7/16	3/32	5.237 ±.035	.103 ±.003	5
568-161	5-1/2	5-11/16	3/32	5.487 ±.035	.103 ±.003	5
568-162	5-3/4	5-15/16	3/32	5.737 ±.035	.103 ±.003	5
568-163	6	6-3/16	3/32	5.987 ±.035	.103 ±.003	5
568-164	6-1/4	6-7/16	3/32	6.237 ±.040	.103 ±.003	5
568-165	6-1/2	6-11/16	3/32	6.487 ±.040	.103 ±.003	5
568-166	6-3/4	6-15/16	3/32	6.737 ±.040	.103 ±.003	5
568-167	7	7-3/16	3/32	6.987 ±.040	.103 ±.003	5
568-168	7-1/4	7-7/16	3/32	7.237 ±.045	.103 ±.003	5
568-169	7-1/2	7-11/16	3/32	7.487 ±.045	.103 ±.003	5
568-170	7-3/4	7-15/16	3/32	7.737 ±.045	.103 ±.003	5
568-171	8	8-3/16	3/32	7.987 ±.045	.103 ±.003	1
568-172	8-1/4	8-7/16	3/32	8.237 ±.050	.103 ±.003	1
568-173	8-1/2	8-11/16	3/32	8.487 ±.050	.103 ±.003	1
568-174	8-3/4	8-15/16	3/32	8.737 ±.050	.103 ±.003	1
568-175	9	9-3/16	3/32	8.987 ±.050	.103 ±.003	1
568-176	9-1/4	9-7/16	3/32	9.237 ±.055	.103 ±.003	1
568-177	9-1/2	9-11/16	3/32	9.487 ±.055	.103 ±.003	1
568-178	9-3/4	9-15/16	3/32	9.737 ±.055	.103 ±.003	1
			1/8" C/S			
568-201	3/16	7/16	1/8	.171 ±.005	.139 ±.004	50
568-202	1/4	1/2	1/8	.234 ±.005	.139 ±.004	50
568-203	5/16	9/16	1/8	.296 ±.005	.139 ±.004	50
568-204	3/8	5/8	1/8	.359 ±.005	.139 ±.004	50
568-205	7/16	11/16	1/8	.421 ±.005	.139 ±.004	50
568-206	1/2	3/4	1/8	.484 ±.005	.139 ±.004	50
568-207	9/16	13/16	1/8	.546 ±.007	.139 ±.004	50
568-208	5/8	7/8	1/8	.609 ±.009	.139 ±.004	50
568-209	11/16	15/16	1/8	.671 ±.009	.139 ±.004	50
568-210	3/4	1	1/8	.734 ±.010	.139 ±.004	50
568-211	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	50
568-212	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	50
568-213	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	50
568-214	1	1-1/4	1/8	.984 ±.010	.139 ±.004	50
568-215	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	50
568-216	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	50
568-217	1-3/16	1-7/16	1/8	1.171 ±.012	.139 ±.004	50
568-218	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	50
568-219	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	50
568-220	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	20
568-221	1-7/16	1-11/16	1/8	1.421 ±.012	.139 ±.004	20
568-222	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	20
568-223	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	20
568-224	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	20

STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-225	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	20
568-226	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	20
568-227	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	20
568-228	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	20
568-229	2-3/8	2-5/8	1/8	2.359 ±.020	.139 ±.004	20
568-230	2-1/2	2-3/4	1/8	2.484 ±.020	.139 ±.004	20
568-231	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	20
568-232	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	20
568-233	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	20
568-234	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	20
568-235	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	20
568-236	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	20
568-237	3-3/8	3-5/8	1/8	3.359 ±.024	.139 ±.004	20
568-238	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	20
568-239	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	20
568-240	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	20
568-241	3-7/8	4-1/8	1/8	3.859 ±.028	.139 ±.004	20
568-242	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	10
568-243	4-1/8	4-3/8	1/8	4.109 ±.028	.139 ±.004	10
568-244	4-1/4	4-1/2	1/8	4.234 ±.030	.139 ±.004	10
568-245	4-3/8	4-5/8	1/8	4.359 ±.030	.139 ±.004	10
568-246	4-1/2	4-3/4	1/8	4.484 ±.030	.139 ±.004	10
568-247	4-5/8	4-7/8	1/8	4.609 ±.030	.139 ±.004	10
568-248	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	10
568-249	4-7/8	5-1/8	1/8	4.859 ±.035	.139 ±.004	10
568-250	5	5-1/4	1/8	4.984 ±.035	.139 ±.004	10
568-251	5-1/8	5-3/8	1/8	5.109 ±.035	.139 ±.004	10
568-252	5-1/4	5-1/2	1/8	5.234 ±.035	.139 ±.004	10
568-253	5-3/8	5-5/8	1/8	5.359 ±.035	.139 ±.004	10
568-254	5-1/2	5-3/4	1/8	5.484 ±.035	.139 ±.004	5
568-255	5-5/8	5-7/8	1/8	5.609 ±.035	.139 ±.004	5
568-256	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	5
568-257	5-7/8	6-1/8	1/8	5.859 ±.035	.139 ±.004	5
568-258	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	5
568-259	6-1/4	6-1/2	1/8	6.234 ±.040	.139 ±.004	5
568-260	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	5
568-261	6-3/4	7	1/8	6.734 ±.040	.139 ±.004	5
568-262	7	7-1/4	1/8	6.984 ±.040	.139 ±.004	5
568-263	7-1/4	7-1/2	1/8	7.234 ±.045	.139 ±.004	5
568-264	7-1/2	7-3/4	1/8	7.484 ±.045	.139 ±.004	5
568-265	7-3/4	8	1/8	7.734 ±.045	.139 ±.004	5
568-266	8	8-1/4	1/8	7.984 ±.045	.139 ±.004	5
568-267	8-1/4	8-1/2	1/8	8.234 ±.050	.139 ±.004	5
568-268	8-1/2	8-3/4	1/8	8.484 ±.050	.139 ±.004	1
568-269	8-3/4	9	1/8	8.734 ±.050	.139 ±.004	1
568-270	9	9-1/4	1/8	8.984 ±.050	.139 ±.004	1
568-271	9-1/4	9-1/2	1/8	9.234 ±.055	.139 ±.004	1
568-272	9-1/2	9-3/4	1/8	9.484 ±.055	.139 ±.004	1
568-273	9-3/4	10	1/8	9.734 ±.055	.139 ±.004	1
568-274	10	10-1/4	1/8	9.984 ±.055	.139 ±.004	1
568-275	10-1/2	10-3/4	1/8	10.484 ±.055	.139 ±.004	1
568-276	11	11-1/4	1/8	10.984 ±.065	.139 ±.004	1
568-277	11-1/2	11-3/4	1/8	11.484 ±.065	.139 ±.004	1
568-278	12	12-1/4	1/8	11.984 ±.065	.139 ±.004	1
568-279	13	13-1/4	1/8	12.984 ±.065	.139 ±.004	1
568-280	14	14-1/4	1/8	13.984 ±.065	.139 ±.004	1
568-281	15	15-1/4	1/8	14.984 ±.065	.139 ±.004	1

STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-282	16	16-1/4	1/8	15.955 ±.075	.139 ±.004	1
568-283	17	17-1/4	1/8	16.955 ±.080	.139 ±.004	1
568-284	18	18-1/4	1/8	17.955 ±.085	.139 ±.004	1
			3/16" C/S			
568-309	7/16	13/16	3/16	.412 ±.005	.210 ±.005	50
568-310	1/2	7/8	3/16	.475 ±.005	.210 ±.005	50
568-311	9/16	15/16	3/16	.537 ±.007	.210 ±.005	50
568-312	5/8	1	3/16	.600 ±.009	.210 ±.005	50
568-313	11/16	1-1/16	3/16	.662 ±.009	.210 ±.005	50
568-314	3/4	1-1/8	3/16	.725 ±.010	.210 ±.005	50
568-315	13/16	1-3/16	3/16	.787 ±.010	.210 ±.005	50
568-316	7/8	1-1/4	3/16	.850 ±.010	.210 ±.005	50
568-317	15/16	1-5/16	3/16	.912 ±.010	.210 ±.005	50
568-318	1	1-3/8	3/16	.975 ±.010	.210 ±.005	50
568-319	1-1/16	1-7/16	3/16	1.037 ±.010	.210 ±.005	50
568-320	1-1/8	1-1/2	3/16	1.100 ±.012	.210 ±.005	20
568-321	1-3/16	1-9/16	3/16	1.162 ±.012	.210 ±.005	20
568-322	1-1/4	1-5/8	3/16	1.225 ±.012	.210 ±.005	20
568-323	1-5/16	1-11/16	3/16	1.287 ±.012	.210 ±.005	20
568-324	1-3/8	1-3/4	3/16	1.350 ±.012	.210 ±.005	20
568-325	1-1/2	1-7/8	3/16	1.475 ±.015	.210 ±.005	20
568-326	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	20
568-327	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	20
568-328	1-7/8	2-1/4	3/16	1.850 ±.015	.210 ±.005	20
568-329	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	20
568-330	2-1/8	2-1/2	3/16	2.100 ±.018	.210 ±.005	20
568-331	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	20
568-332	2-3/8	2-3/4	3/16	2.350 ±.018	.210 ±.005	20
568-333	2-1/2	2-7/8	3/16	2.475 ±.020	.210 ±.005	20
568-334	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	20
568-335	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	10
568-336	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	10
568-337	3	3-3/8	3/16	2.975 ±.024	.210 ±.005	10
568-338	3-1/8	3-1/2	3/16	3.100 ±.024	.210 ±.005	10
568-339	3-1/4	3-5/8	3/16	3.225 ±.024	.210 ±.005	10
568-340	3-3/8	3-3/4	3/16	3.350 ±.024	.210 ±.005	10
568-341	3-1/2	3-7/8	3/16	3.475 ±.024	.210 ±.005	10
568-342	3-5/8	4	3/16	3.600 ±.028	.210 ±.005	10
568-343	3-3/4	4-1/8	3/16	3.725 ±.028	.210 ±.005	10
568-344	3-7/8	4-1/4	3/16	3.850 ±.028	.210 ±.005	10
568-345	4	4-3/8	3/16	3.975 ±.028	.210 ±.005	10
568-346	4-1/8	4-1/2	3/16	4.100 ±.028	.210 ±.005	10
568-347	4-1/4	4-5/8	3/16	4.225 ±.030	.210 ±.005	10
568-348	4-3/8	4-3/4	3/16	4.350 ±.030	.210 ±.005	10
568-349	4-1/2	4-7/8	3/16	4.475 ±.030	.210 ±.005	10
568-350	4-5/8	5	3/16	4.600 ±.030	.210 ±.005	5
568-351	4-3/4	5-1/8	3/16	4.725 ±.030	.210 ±.005	5
568-352	4-7/8	5-1/4	3/16	4.850 ±.030	.210 ±.005	5
568-353	5	5-3/8	3/16	4.975 ±.037	.210 ±.005	5
568-354	5-1/8	5-1/2	3/16	5.100 ±.037	.210 ±.005	5
568-355	5-1/4	5-5/8	3/16	5.225 ±.037	.210 ±.005	5
568-356	5-3/8	5-3/4	3/16	5.350 ±.037	.210 ±.005	5
568-357	5-1/2	5-7/8	3/16	5.475 ±.037	.210 ±.005	5
568-358	5-5/8	6	3/16	5.600 ±.037	.210 ±.005	5
568-359	5-3/4	6-1/8	3/16	5.725 ±.037	.210 ±.005	5
568-360	5-7/8	6-1/4	3/16	5.850 ±.037	.210 ±.005	5
568-361	6	6-3/8	3/16	5.975 ±.037	.210 ±.005	5

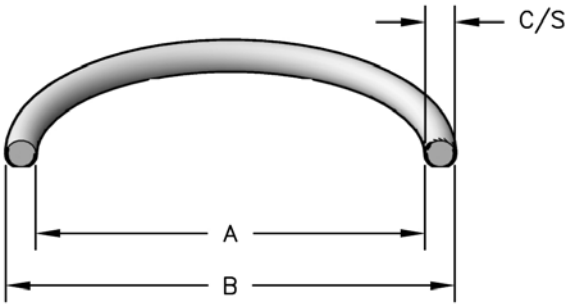
STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-362	6-1/4	6-5/8	3/16	6.225 ±.040	.210 ±.005	5
568-363	6-1/2	6-7/8	3/16	6.475 ±.040	.210 ±.005	5
568-364	6-3/4	7-1/8	3/16	6.725 ±.040	.210 ±.005	5
568-365	7	7-3/8	3/16	6.975 ±.040	.210 ±.005	5
568-366	7-1/4	7-5/8	3/16	7.225 ±.045	.210 ±.005	5
568-367	7-1/2	7-7/8	3/16	7.475 ±.045	.210 ±.005	5
568-368	7-3/4	8-1/8	3/16	7.725 ±.045	.210 ±.005	5
568-369	8	8-3/8	3/16	7.975 ±.045	.210 ±.005	1
568-370	8-1/4	8-5/8	3/16	8.225 ±.050	.210 ±.005	1
568-371	8-1/2	8-7/8	3/16	8.475 ±.050	.210 ±.005	1
568-372	8-3/4	9-1/8	3/16	8.725 ±.050	.210 ±.005	1
568-373	9	9-3/8	3/16	8.975 ±.050	.210 ±.005	1
568-374	9-1/4	9-5/8	3/16	9.225 ±.055	.210 ±.005	1
568-375	9-1/2	9-7/8	3/16	9.475 ±.055	.210 ±.005	1
568-376	9-3/4	10-1/8	3/16	9.725 ±.055	.210 ±.005	1
568-377	10	10-3/8	3/16	9.975 ±.055	.210 ±.005	1
568-378	10-1/2	10-7/8	3/16	10.475 ±.060	.210 ±.005	1
568-379	11	11-3/8	3/16	10.975 ±.060	.210 ±.005	1
568-380	11-1/2	11-7/8	3/16	11.475 ±.065	.210 ±.005	1
568-381	12	12-3/8	3/16	11.975 ±.065	.210 ±.005	1
568-382	13	13-3/8	3/16	12.975 ±.065	.210 ±.005	1
568-383	14	14-3/8	3/16	13.975 ±.070	.210 ±.005	1
568-384	15	15-3/8	3/16	14.975 ±.070	.210 ±.005	1
568-385	16	16-3/8	3/16	15.955 ±.075	.210 ±.005	1
568-386	17	17-3/8	3/16	16.955 ±.080	.210 ±.005	1
568-387	18	18-3/8	3/16	17.955 ±.085	.210 ±.005	1
568-388	19	19-3/8	3/16	18.955 ±.090	.210 ±.005	1
568-389	20	20-3/8	3/16	19.955 ±.095	.210 ±.005	1
568-390	21	21-3/8	3/16	20.955 ±.095	.210 ±.005	1
568-391	22	22-3/8	3/16	21.955 ±.100	.210 ±.005	1
568-392	23	23-3/8	3/16	22.940 ±.105	.210 ±.005	1
568-393	24	24-3/8	3/16	23.940 ±.110	.210 ±.005	1
568-394	25	25-3/8	3/16	24.940 ±.115	.210 ±.005	1
568-395	26	26-3/8	3/16	25.940 ±.120	.210 ±.005	1
1/4" C/S						
568-400	1-3/8	1-7/8	1/4	1.225 ±.012	.275 ±.006	5
568-401	1-1/2	2	1/4	1.475 ±.014	.275 ±.006	5
568-402	1-5/8	2-1/8	1/4	1.600 ±.015	.275 ±.006	5
568-403	1-3/4	2-1/4	1/4	1.725 ±.016	.275 ±.006	5
568-404	1-7/8	2-3/8	1/4	1.850 ±.016	.275 ±.006	5
568-405	2	2-1/2	1/4	1.975 ±.017	.275 ±.006	5
568-406	2-1/8	2-5/8	1/4	2.100 ±.018	.275 ±.006	5
568-407	2-1/4	2-3/4	1/4	2.225 ±.018	.275 ±.006	5
568-408	2-3/8	2-7/8	1/4	2.350 ±.020	.275 ±.006	5
568-409	2-1/2	3	1/4	2.475 ±.020	.275 ±.006	5
568-410	2-5/8	3-1/8	1/4	2.600 ±.020	.275 ±.006	5
568-411	2-3/4	3-1/4	1/4	2.725 ±.022	.275 ±.006	5
568-412	2-7/8	3-3/8	1/4	2.850 ±.022	.275 ±.006	5
568-413	3	3-1/2	1/4	2.975 ±.024	.275 ±.006	5
568-414	3-1/8	3-5/8	1/4	3.100 ±.024	.275 ±.006	5
568-415	3-1/4	3-3/4	1/4	3.225 ±.024	.275 ±.006	5
568-416	3-3/8	3-7/8	1/4	3.350 ±.026	.275 ±.006	5
568-417	3-1/2	4	1/4	3.475 ±.026	.275 ±.006	5
568-418	3-5/8	4-1/8	1/4	3.600 ±.026	.275 ±.006	5
568-419	3-3/4	4-1/4	1/4	3.725 ±.028	.275 ±.006	5
568-420	3-7/8	4-3/8	1/4	3.850 ±.028	.275 ±.006	5
568-421	4	4-1/2	1/4	3.975 ±.028	.275 ±.006	5

STYLE 568, 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-422	4-1/8	4-5/8	1/4	4.100 ±.030	.275 ±.006	5
568-423	4-1/4	4-3/4	1/4	4.225 ±.030	.275 ±.006	5
568-424	4-3/8	4-7/8	1/4	4.350 ±.030	.275 ±.006	5
568-425	4-1/2	5	1/4	4.475 ±.033	.275 ±.006	5
568-426	4-5/8	5-1/8	1/4	4.600 ±.033	.275 ±.006	5
568-427	4-3/4	5-1/4	1/4	4.725 ±.033	.275 ±.006	5
568-428	4-7/8	5-3/8	1/4	4.850 ±.033	.275 ±.006	5
568-429	5	5-1/2	1/4	4.975 ±.037	.275 ±.006	5
568-430	5-1/8	5-5/8	1/4	5.100 ±.037	.275 ±.006	5
568-431	5-1/4	5-3/4	1/4	5.225 ±.037	.275 ±.006	5
568-432	5-3/8	5-7/8	1/4	5.350 ±.037	.275 ±.006	5
568-433	5-1/2	6	1/4	5.475 ±.037	.275 ±.006	5
568-434	5-5/8	6-1/8	1/4	5.600 ±.037	.275 ±.006	5
568-435	5-3/4	6-1/4	1/4	5.725 ±.037	.275 ±.006	5
568-436	5-7/8	6-3/8	1/4	5.850 ±.037	.275 ±.006	5
568-437	6	6-1/2	1/4	5.975 ±.037	.275 ±.006	5
568-438	6-1/4	6-3/4	1/4	6.225 ±.040	.275 ±.006	5
568-439	6-1/2	7	1/4	6.475 ±.040	.275 ±.006	5
568-440	6-3/4	7-1/4	1/4	6.725 ±.040	.275 ±.006	1
568-441	7	7-1/2	1/4	6.975 ±.040	.275 ±.006	1
568-442	7-1/4	7-3/4	1/4	7.225 ±.045	.275 ±.006	1
568-443	7-1/2	8	1/4	7.475 ±.045	.275 ±.006	1
568-444	7-3/4	8-1/4	1/4	7.725 ±.045	.275 ±.006	1
568-445	8	8-1/2	1/4	7.975 ±.045	.275 ±.006	1
568-446	8-1/2	9	1/4	8.475 ±.055	.275 ±.006	1
568-447	9	9-1/2	1/4	8.975 ±.055	.275 ±.006	1
568-448	9-1/2	10	1/4	9.475 ±.055	.275 ±.006	1
568-449	10	10-1/2	1/4	9.975 ±.055	.275 ±.006	1
568-450	10-1/2	11	1/4	10.475 ±.060	.275 ±.006	1
568-451	11	11-1/2	1/4	10.975 ±.060	.275 ±.006	1
568-452	11-1/2	12	1/4	11.475 ±.060	.275 ±.006	1
568-453	12	12-1/2	1/4	11.975 ±.060	.275 ±.006	1
568-454	12-1/2	13	1/4	12.475 ±.060	.275 ±.006	1
568-455	13	13-1/2	1/4	12.975 ±.060	.275 ±.006	1
568-456	13-1/2	14	1/4	13.475 ±.070	.275 ±.006	1
568-457	14	14-1/2	1/4	13.975 ±.070	.275 ±.006	1
568-458	14-1/2	15	1/4	14.475 ±.070	.275 ±.006	1
568-459	15	15-1/2	1/4	14.975 ±.070	.275 ±.006	1
568-460	15-1/2	16	1/4	15.475 ±.070	.275 ±.006	1
568-461	16	16-1/2	1/4	15.955 ±.075	.275 ±.006	1
568-462	16-1/2	17	1/4	16.455 ±.075	.275 ±.006	1
568-463	17	17-1/2	1/4	16.955 ±.080	.275 ±.006	1
568-464	17-1/2	18	1/4	17.455 ±.085	.275 ±.006	1
568-465	18	18-1/2	1/4	17.955 ±.085	.275 ±.006	1
568-466	18-1/2	19	1/4	18.455 ±.085	.275 ±.006	1
568-467	19	19-1/2	1/4	18.955 ±.090	.275 ±.006	1
568-468	19-1/2	20	1/4	19.455 ±.090	.275 ±.006	1
568-469	20	20-1/2	1/4	19.955 ±.090	.275 ±.006	1
568-470	21	21-1/2	1/4	20.955 ±.090	.275 ±.006	1
568-471	22	22-1/2	1/4	21.955 ±.100	.275 ±.006	1
568-472	23	23-1/2	1/4	22.940 ±.105	.275 ±.006	1
568-473	24	24-1/2	1/4	23.940 ±.110	.275 ±.006	1
568-474	25	25-1/2	1/4	24.940 ±.115	.275 ±.006	1
568-475	26	26-1/2	1/4	25.940 ±.120	.275 ±.006	1

STYLE 568, BULK 70 DURO BUNA-N O-RINGS



PART NUMBERS

568 - 001 - B

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/32" C/S						
568-001-B	1/32	3/32	1/32	.029 ±.004	.040 ±.003	1000
3/64" C/S						
568-002-B	3/64	9/64	3/64	.042 ±.004	.050 ±.003	1000
1/16" C/S						
568-003-B	1/16	3/16	1/16	.056 ±.004	.060 ±.003	1000
568-004-B	5/64	13/64	1/16	.070 ±.005	.070 ±.003	1000
568-005-B	3/32	7/32	1/16	.101 ±.005	.070 ±.003	1000
568-006-B	1/8	1/4	1/16	.114 ±.005	.070 ±.003	1000
568-007-B	5/32	9/32	1/16	.145 ±.005	.070 ±.003	1000
568-008-B	3/16	5/16	1/16	.176 ±.005	.070 ±.003	1000
568-009-B	7/32	11/32	1/16	.208 ±.005	.070 ±.003	1000
568-010-B	1/4	3/8	1/16	.239 ±.005	.070 ±.003	1000
568-011-B	5/16	7/16	1/16	.301 ±.005	.070 ±.003	1000
568-012-B	3/8	1/2	1/16	.364 ±.005	.070 ±.003	1000
568-013-B	7/16	9/16	1/16	.426 ±.005	.070 ±.003	1000
568-014-B	1/2	5/8	1/16	.489 ±.005	.070 ±.003	1000
568-015-B	9/16	11/16	1/16	.551 ±.007	.070 ±.003	1000
568-016-B	5/8	3/4	1/16	.614 ±.009	.070 ±.003	1000
568-017-B	11/16	13/16	1/16	.676 ±.009	.070 ±.003	1000
568-018-B	3/4	7/8	1/16	.739 ±.009	.070 ±.003	1000
568-019-B	13/16	15/16	1/16	.801 ±.009	.070 ±.003	1000
568-020-B	7/8	1	1/16	.864 ±.009	.070 ±.003	1000
568-021-B	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	1000
568-022-B	1	1-1/8	1/16	.989 ±.010	.070 ±.003	1000
568-023-B	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	1000
568-024-B	1-1/8	1-1/4	1/16	1.114 ±.010	.070 ±.003	1000
568-025-B	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	1000
568-026-B	1-1/4	1-3/8	1/16	1.239 ±.011	.070 ±.003	1000
568-027-B	1-5/16	1-7/16	1/16	1.301 ±.011	.070 ±.003	1000
568-028-B	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	400
568-029-B	1-1/2	1-5/8	1/16	1.489 ±.013	.070 ±.003	400
568-030-B	1-5/8	1-3/4	1/16	1.614 ±.013	.070 ±.003	400
568-031-B	1-3/4	1-7/8	1/16	1.739 ±.015	.070 ±.003	400
568-032-B	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	400
568-033-B	2	2-1/8	1/16	1.989 ±.018	.070 ±.003	400
568-034-B	2-1/8	2-1/4	1/16	2.114 ±.018	.070 ±.003	400
568-035-B	2-1/4	2-3/8	1/16	2.239 ±.018	.070 ±.003	400
568-036-B	2-3/8	2-1/2	1/16	2.364 ±.018	.070 ±.003	400
568-037-B	2-1/2	2-5/8	1/16	2.489 ±.018	.070 ±.003	400
568-038-B	2-5/8	2-3/4	1/16	2.614 ±.020	.070 ±.003	400
568-039-B	2-3/4	2-7/8	1/16	2.739 ±.020	.070 ±.003	400
568-040-B	2-7/8	3	1/16	2.864 ±.020	.070 ±.003	400

STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-041-B	3	3-1/8	1/16	2.989 ±.024	.070 ±.003	400
568-042-B	3-1/4	3-3/8	1/16	3.239 ±.024	.070 ±.003	400
568-043-B	3-1/2	3-5/8	1/16	3.489 ±.024	.070 ±.003	400
568-044-B	3-3/4	3-7/8	1/16	3.739 ±.027	.070 ±.003	400
568-045-B	4	4-1/8	1/16	3.989 ±.027	.070 ±.003	400
568-046-B	4-1/4	4-3/8	1/16	4.239 ±.030	.070 ±.003	200
568-047-B	4-1/2	4-5/8	1/16	4.489 ±.030	.070 ±.003	200
568-048-B	4-3/4	4-7/8	1/16	4.739 ±.030	.070 ±.003	200
568-049-B	5	5-1/8	1/16	4.989 ±.037	.070 ±.003	200
568-050-B	5-1/4	5-3/8	1/16	5.239 ±.037	.070 ±.003	200
				3/32" C/S		
568-102-B	1/16	1/4	3/32	.049 ±.005	.103 ±.003	1000
568-103-B	3/32	9/32	3/32	.081 ±.005	.103 ±.003	1000
568-104-B	1/8	5/16	3/32	.112 ±.005	.103 ±.003	1000
568-105-B	5/32	11/32	3/32	.143 ±.005	.103 ±.003	1000
568-106-B	3/16	3/8	3/32	.174 ±.005	.103 ±.003	1000
568-107-B	7/32	13/32	3/32	.206 ±.005	.103 ±.003	1000
568-108-B	1/4	7/16	3/32	.237 ±.005	.103 ±.003	1000
568-109-B	5/16	1/2	3/32	.299 ±.005	.103 ±.003	1000
568-110-B	3/8	9/16	3/32	.362 ±.005	.103 ±.003	1000
568-111-B	7/16	5/8	3/32	.424 ±.005	.103 ±.003	1000
568-112-B	1/2	11/16	3/32	.487 ±.005	.103 ±.003	1000
568-113-B	9/16	3/4	3/32	.549 ±.005	.103 ±.003	1000
568-114-B	5/8	13/16	3/32	.612 ±.009	.103 ±.003	1000
568-115-B	11/16	7/8	3/32	.674 ±.009	.103 ±.003	1000
568-116-B	3/4	15/16	3/32	.737 ±.009	.103 ±.003	1000
568-117-B	13/16	1	3/32	.799 ±.010	.103 ±.003	1000
568-118-B	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	1000
568-119-B	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	1000
568-120-B	1	1-3/16	3/32	.987 ±.010	.103 ±.003	1000
568-121-B	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	1000
568-122-B	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	1000
568-123-B	1-3/16	1-3/8	3/32	1.174 ±.012	.103 ±.003	1000
568-124-B	1-1/4	1-7/16	3/32	1.237 ±.012	.103 ±.003	1000
568-125-B	1-5/16	1-1/2	3/32	1.299 ±.012	.103 ±.003	1000
568-126-B	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	400
568-127-B	1-7/16	1-5/8	3/32	1.424 ±.012	.103 ±.003	400
568-128-B	1-1/2	1-11/16	3/32	1.487 ±.012	.103 ±.003	400
568-129-B	1-9/16	1-3/4	3/32	1.549 ±.015	.103 ±.003	400
568-130-B	1-5/8	1-13/16	3/32	1.612 ±.015	.103 ±.003	400
568-131-B	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	400
568-132-B	1-3/4	1-15/16	3/32	1.737 ±.015	.103 ±.003	400
568-133-B	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	400
568-134-B	1-7/8	2-1/16	3/32	1.862 ±.015	.103 ±.003	400
568-135-B	1-15/16	2-1/8	3/32	1.925 ±.017	.103 ±.003	400
568-136-B	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	400
568-137-B	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	400
568-138-B	2-1/8	2-5/16	3/32	2.112 ±.017	.103 ±.003	400
568-139-B	2-3/16	2-3/8	3/32	2.175 ±.017	.103 ±.003	400
568-140-B	2-1/4	2-7/16	3/32	2.237 ±.017	.103 ±.003	400
568-141-B	2-5/16	2-1/2	3/32	2.300 ±.020	.103 ±.003	400
568-142-B	2-3/8	2-9/16	3/32	2.362 ±.020	.103 ±.003	400
568-143-B	2-7/16	2-5/8	3/32	2.425 ±.020	.103 ±.003	400
568-144-B	2-1/2	2-11/16	3/32	2.487 ±.020	.103 ±.003	400
568-145-B	2-9/16	2-3/4	3/32	2.550 ±.020	.103 ±.003	400
568-146-B	2-5/8	2-13/16	3/32	2.612 ±.020	.103 ±.003	400
568-147-B	2-11/16	2-7/8	3/32	2.675 ±.022	.103 ±.003	400

STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-148-B	2-3/4	2-15/16	3/32	2.737 ±.022	.103 ±.003	400
568-149-B	2-13/16	3	3/32	2.800 ±.022	.103 ±.003	400
568-150-B	2-7/8	3-1/16	3/32	2.862 ±.022	.103 ±.003	400
568-151-B	3	3-3/16	3/32	2.987 ±.024	.103 ±.003	400
568-152-B	3-1/4	3-7/16	3/32	3.237 ±.024	.103 ±.003	400
568-153-B	3-1/2	3-11/16	3/32	3.487 ±.024	.103 ±.003	400
568-154-B	3-3/4	3-15/16	3/32	3.737 ±.028	.103 ±.003	400
568-155-B	4	4-3/16	3/32	3.987 ±.028	.103 ±.003	200
568-156-B	4-1/4	4-7/16	3/32	4.237 ±.030	.103 ±.003	200
568-157-B	4-1/2	4-11/16	3/32	4.487 ±.030	.103 ±.003	200
568-158-B	4-3/4	4-15/16	3/32	4.737 ±.030	.103 ±.003	200
568-159-B	5	5-3/16	3/32	4.987 ±.035	.103 ±.003	200
568-160-B	5-1/4	5-7/16	3/32	5.237 ±.035	.103 ±.003	200
568-161-B	5-1/2	5-11/16	3/32	5.487 ±.035	.103 ±.003	200
568-162-B	5-3/4	5-15/16	3/32	5.737 ±.035	.103 ±.003	200
568-163-B	6	6-3/16	3/32	5.987 ±.035	.103 ±.003	200
568-164-B	6-1/4	6-7/16	3/32	6.237 ±.040	.103 ±.003	200
568-165-B	6-1/2	6-11/16	3/32	6.487 ±.040	.103 ±.003	200
568-166-B	6-3/4	6-15/16	3/32	6.737 ±.040	.103 ±.003	200
568-167-B	7	7-3/16	3/32	6.987 ±.040	.103 ±.003	200
568-168-B	7-1/4	7-7/16	3/32	7.237 ±.045	.103 ±.003	200
568-169-B	7-1/2	7-11/16	3/32	7.487 ±.045	.103 ±.003	200
568-170-B	7-3/4	7-15/16	3/32	7.737 ±.045	.103 ±.003	200
568-171-B	8	8-3/16	3/32	7.987 ±.045	.103 ±.003	100
568-172-B	8-1/4	8-7/16	3/32	8.237 ±.050	.103 ±.003	100
568-173-B	8-1/2	8-11/16	3/32	8.487 ±.050	.103 ±.003	100
568-174-B	8-3/4	8-15/16	3/32	8.737 ±.050	.103 ±.003	100
568-175-B	9	9-3/16	3/32	8.987 ±.050	.103 ±.003	100
568-176-B	9-1/4	9-7/16	3/32	9.237 ±.055	.103 ±.003	100
568-177-B	9-1/2	9-11/16	3/32	9.487 ±.055	.103 ±.003	100
568-178-B	9-3/4	9-15/16	3/32	9.737 ±.055	.103 ±.003	100
1/8" C/S						
568-201-B	3/16	7/16	1/8	.171 ±.005	.139 ±.004	1000
568-202-B	1/4	1/2	1/8	.234 ±.005	.139 ±.004	1000
568-203-B	5/16	9/16	1/8	.296 ±.005	.139 ±.004	1000
568-204-B	3/8	5/8	1/8	.359 ±.005	.139 ±.004	1000
568-205-B	7/16	11/16	1/8	.421 ±.005	.139 ±.004	1000
568-206-B	1/2	3/4	1/8	.484 ±.005	.139 ±.004	1000
568-207-B	9/16	13/16	1/8	.546 ±.007	.139 ±.004	1000
568-208-B	5/8	7/8	1/8	.609 ±.009	.139 ±.004	1000
568-209-B	11/16	15/16	1/8	.671 ±.009	.139 ±.004	1000
568-210-B	3/4	1	1/8	.734 ±.010	.139 ±.004	1000
568-211-B	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	1000
568-212-B	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	1000
568-213-B	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	1000
568-214-B	1	1-1/4	1/8	.984 ±.010	.139 ±.004	1000
568-215-B	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	1000
568-216-B	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	1000
568-217-B	1-3/16	1-7/16	1/8	1.171 ±.012	.139 ±.004	1000
568-218-B	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	1000
568-219-B	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	1000
568-220-B	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	400
568-221-B	1-7/16	1-11/16	1/8	1.421 ±.012	.139 ±.004	400
568-222-B	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	400
568-223-B	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	400
568-224-B	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	400
568-225-B	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	400

STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-226-B	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	400
568-227-B	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	400
568-228-B	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	400
568-229-B	2-3/8	2-5/8	1/8	2.359 ±.020	.139 ±.004	400
568-230-B	2-1/2	2-3/4	1/8	2.484 ±.020	.139 ±.004	400
568-231-B	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	400
568-232-B	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	400
568-233-B	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	400
568-234-B	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	400
568-235-B	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	400
568-236-B	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	400
568-237-B	3-3/8	3-5/8	1/8	3.359 ±.024	.139 ±.004	400
568-238-B	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	400
568-239-B	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	400
568-240-B	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	400
568-241-B	3-7/8	4-1/8	1/8	3.859 ±.028	.139 ±.004	400
568-242-B	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	200
568-243-B	4-1/8	4-3/8	1/8	4.109 ±.028	.139 ±.004	200
568-244-B	4-1/4	4-1/2	1/8	4.234 ±.030	.139 ±.004	200
568-245-B	4-3/8	4-5/8	1/8	4.359 ±.030	.139 ±.004	200
568-246-B	4-1/2	4-3/4	1/8	4.484 ±.030	.139 ±.004	200
568-247-B	4-5/8	4-7/8	1/8	4.609 ±.030	.139 ±.004	200
568-248-B	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	200
568-249-B	4-7/8	5-1/8	1/8	4.859 ±.035	.139 ±.004	200
568-250-B	5	5-1/4	1/8	4.984 ±.035	.139 ±.004	200
568-251-B	5-1/8	5-3/8	1/8	5.109 ±.035	.139 ±.004	200
568-252-B	5-1/4	5-1/2	1/8	5.234 ±.035	.139 ±.004	200
568-253-B	5-3/8	5-5/8	1/8	5.359 ±.035	.139 ±.004	200
568-254-B	5-1/2	5-3/4	1/8	5.484 ±.035	.139 ±.004	200
568-255-B	5-5/8	5-7/8	1/8	5.609 ±.035	.139 ±.004	200
568-256-B	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	200
568-257-B	5-7/8	6-1/8	1/8	5.859 ±.035	.139 ±.004	200
568-258-B	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	200
568-259-B	6-1/4	6-1/2	1/8	6.234 ±.040	.139 ±.004	200
568-260-B	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	200
568-261-B	6-3/4	7	1/8	6.734 ±.040	.139 ±.004	200
568-262-B	7	7-1/4	1/8	6.984 ±.040	.139 ±.004	200
568-263-B	7-1/4	7-1/2	1/8	7.234 ±.045	.139 ±.004	200
568-264-B	7-1/2	7-3/4	1/8	7.484 ±.045	.139 ±.004	200
568-265-B	7-3/4	8	1/8	7.734 ±.045	.139 ±.004	200
568-266-B	8	8-1/4	1/8	7.984 ±.045	.139 ±.004	100
568-267-B	8-1/4	8-1/2	1/8	8.234 ±.050	.139 ±.004	100
568-268-B	8-1/2	8-3/4	1/8	8.484 ±.050	.139 ±.004	100
568-269-B	8-3/4	9	1/8	8.734 ±.050	.139 ±.004	100
568-270-B	9	9-1/4	1/8	8.984 ±.050	.139 ±.004	100
568-271-B	9-1/4	9-1/2	1/8	9.234 ±.055	.139 ±.004	100
568-272-B	9-1/2	9-3/4	1/8	9.484 ±.055	.139 ±.004	100
568-273-B	9-3/4	10	1/8	9.734 ±.055	.139 ±.004	100
568-274-B	10	10-1/4	1/8	9.984 ±.055	.139 ±.004	100
568-275-B	10-1/2	10-3/4	1/8	10.484 ±.055	.139 ±.004	100
568-276-B	11	11-1/4	1/8	10.984 ±.065	.139 ±.004	100
568-277-B	11-1/2	11-3/4	1/8	11.484 ±.065	.139 ±.004	100
568-278-B	12	12-1/4	1/8	11.984 ±.065	.139 ±.004	100
568-279-B	13	13-1/4	1/8	12.984 ±.065	.139 ±.004	100
568-280-B	14	14-1/4	1/8	13.984 ±.065	.139 ±.004	100
568-281-B	15	15-1/4	1/8	14.984 ±.065	.139 ±.004	100
568-282-B	16	16-1/4	1/8	15.955 ±.075	.139 ±.004	100

STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-283-B	17	17-1/4	1/8	16.955 ±.080	.139 ±.004	100
568-284-B	18	18-1/4	1/8	17.955 ±.085	.139 ±.004	100
				3/16" C/S		
568-309-B	7/16	13/16	3/16	.412 ±.005	.210 ±.005	1000
568-310-B	1/2	7/8	3/16	.475 ±.005	.210 ±.005	1000
568-311-B	9/16	15/16	3/16	.537 ±.007	.210 ±.005	1000
568-312-B	5/8	1	3/16	.600 ±.009	.210 ±.005	1000
568-313-B	11/16	1-1/16	3/16	.662 ±.009	.210 ±.005	1000
568-314-B	3/4	1-1/8	3/16	.725 ±.010	.210 ±.005	1000
568-315-B	13/16	1-3/16	3/16	.787 ±.010	.210 ±.005	1000
568-316-B	7/8	1-1/4	3/16	.850 ±.010	.210 ±.005	1000
568-317-B	15/16	1-5/16	3/16	.912 ±.010	.210 ±.005	1000
568-318-B	1	1-3/8	3/16	.975 ±.010	.210 ±.005	1000
568-319-B	1-1/16	1-7/16	3/16	1.037 ±.010	.210 ±.005	1000
568-320-B	1-1/8	1-1/2	3/16	1.100 ±.012	.210 ±.005	1000
568-321-B	1-3/16	1-9/16	3/16	1.162 ±.012	.210 ±.005	1000
568-322-B	1-1/4	1-5/8	3/16	1.225 ±.012	.210 ±.005	1000
568-323-B	1-5/16	1-11/16	3/16	1.287 ±.012	.210 ±.005	1000
568-324-B	1-3/8	1-3/4	3/16	1.350 ±.012	.210 ±.005	400
568-325-B	1-1/2	1-7/8	3/16	1.475 ±.015	.210 ±.005	400
568-326-B	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	400
568-327-B	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	400
568-328-B	1-7/8	2-1/4	3/16	1.850 ±.015	.210 ±.005	400
568-329-B	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	400
568-330-B	2-1/8	2-1/2	3/16	2.100 ±.018	.210 ±.005	400
568-331-B	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	400
568-332-B	2-3/8	2-3/4	3/16	2.350 ±.018	.210 ±.005	400
568-333-B	2-1/2	2-7/8	3/16	2.475 ±.020	.210 ±.005	400
568-334-B	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	400
568-335-B	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	400
568-336-B	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	400
568-337-B	3	3-3/8	3/16	2.975 ±.024	.210 ±.005	400
568-338-B	3-1/8	3-1/2	3/16	3.100 ±.024	.210 ±.005	400
568-339-B	3-1/4	3-5/8	3/16	3.225 ±.024	.210 ±.005	400
568-340-B	3-3/8	3-3/4	3/16	3.350 ±.024	.210 ±.005	400
568-341-B	3-1/2	3-7/8	3/16	3.475 ±.024	.210 ±.005	400
568-342-B	3-5/8	4	3/16	3.600 ±.028	.210 ±.005	400
568-343-B	3-3/4	4-1/8	3/16	3.725 ±.028	.210 ±.005	400
568-344-B	3-7/8	4-1/4	3/16	3.850 ±.028	.210 ±.005	400
568-345-B	4	4-3/8	3/16	3.975 ±.028	.210 ±.005	200
568-346-B	4-1/8	4-1/2	3/16	4.100 ±.028	.210 ±.005	200
568-347-B	4-1/4	4-5/8	3/16	4.225 ±.030	.210 ±.005	200
568-348-B	4-3/8	4-3/4	3/16	4.350 ±.030	.210 ±.005	200
568-349-B	4-1/2	4-7/8	3/16	4.475 ±.030	.210 ±.005	200
568-350-B	4-5/8	5	3/16	4.600 ±.030	.210 ±.005	200
568-351-B	4-3/4	5-1/8	3/16	4.725 ±.030	.210 ±.005	200
568-352-B	4-7/8	5-1/4	3/16	4.850 ±.030	.210 ±.005	200
568-353-B	5	5-3/8	3/16	4.975 ±.037	.210 ±.005	200
568-354-B	5-1/8	5-1/2	3/16	5.100 ±.037	.210 ±.005	200
568-355-B	5-1/4	5-5/8	3/16	5.225 ±.037	.210 ±.005	200
568-356-B	5-3/8	5-3/4	3/16	5.350 ±.037	.210 ±.005	200
568-357-B	5-1/2	5-7/8	3/16	5.475 ±.037	.210 ±.005	200
568-358-B	5-5/8	6	3/16	5.600 ±.037	.210 ±.005	200
568-359-B	5-3/4	6-1/8	3/16	5.725 ±.037	.210 ±.005	200
568-360-B	5-7/8	6-1/4	3/16	5.850 ±.037	.210 ±.005	200
568-361-B	6	6-3/8	3/16	5.975 ±.037	.210 ±.005	200
568-362-B	6-1/4	6-5/8	3/16	6.225 ±.040	.210 ±.005	200

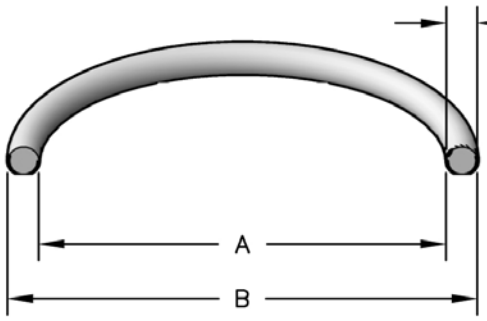
STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-363-B	6-1/2	6-7/8	3/16	6.475 ±.040	.210 ±.005	200
568-364-B	6-3/4	7-1/8	3/16	6.725 ±.040	.210 ±.005	200
568-365-B	7	7-3/8	3/16	6.975 ±.040	.210 ±.005	200
568-366-B	7-1/4	7-5/8	3/16	7.225 ±.045	.210 ±.005	200
568-367-B	7-1/2	7-7/8	3/16	7.475 ±.045	.210 ±.005	200
568-368-B	7-3/4	8-1/8	3/16	7.725 ±.045	.210 ±.005	200
568-369-B	8	8-3/8	3/16	7.975 ±.045	.210 ±.005	100
568-370-B	8-1/4	8-5/8	3/16	8.225 ±.050	.210 ±.005	100
568-371-B	8-1/2	8-7/8	3/16	8.475 ±.050	.210 ±.005	100
568-372-B	8-3/4	9-1/8	3/16	8.725 ±.050	.210 ±.005	100
568-373-B	9	9-3/8	3/16	8.975 ±.050	.210 ±.005	100
568-374-B	9-1/4	9-5/8	3/16	9.225 ±.055	.210 ±.005	100
568-375-B	9-1/2	9-7/8	3/16	9.475 ±.055	.210 ±.005	100
568-376-B	9-3/4	10-1/8	3/16	9.725 ±.055	.210 ±.005	100
568-377-B	10	10-3/8	3/16	9.975 ±.055	.210 ±.005	100
568-378-B	10-1/2	10-7/8	3/16	10.475 ±.060	.210 ±.005	100
568-379-B	11	11-3/8	3/16	10.975 ±.060	.210 ±.005	100
568-380-B	11-1/2	11-7/8	3/16	11.475 ±.065	.210 ±.005	100
568-381-B	12	12-3/8	3/16	11.975 ±.065	.210 ±.005	100
568-382-B	13	13-3/8	3/16	12.975 ±.065	.210 ±.005	100
568-383-B	14	14-3/8	3/16	13.975 ±.070	.210 ±.005	100
568-384-B	15	15-3/8	3/16	14.975 ±.070	.210 ±.005	100
568-385-B	16	16-3/8	3/16	15.955 ±.075	.210 ±.005	100
568-386-B	17	17-3/8	3/16	16.955 ±.080	.210 ±.005	100
568-387-B	18	18-3/8	3/16	17.955 ±.085	.210 ±.005	100
568-388-B	19	19-3/8	3/16	18.955 ±.090	.210 ±.005	20
568-389-B	20	20-3/8	3/16	19.955 ±.095	.210 ±.005	20
568-390-B	21	21-3/8	3/16	20.955 ±.095	.210 ±.005	20
568-391-B	22	22-3/8	3/16	21.955 ±.100	.210 ±.005	20
568-392-B	23	23-3/8	3/16	22.940 ±.105	.210 ±.005	20
568-393-B	24	24-3/8	3/16	23.940 ±.110	.210 ±.005	20
568-394-B	25	25-3/8	3/16	24.940 ±.115	.210 ±.005	20
568-395-B	26	26-3/8	3/16	25.940 ±.120	.210 ±.005	20
			1/4" C/S			
568-425-B	4-1/2	5	1/4	4.475 ±.033	.275 ±.006	200
568-426-B	4-5/8	5-1/8	1/4	4.600 ±.033	.275 ±.006	200
568-427-B	4-3/4	5-1/4	1/4	4.725 ±.033	.275 ±.006	200
568-428-B	4-7/8	5-3/8	1/4	4.850 ±.033	.275 ±.006	200
568-429-B	5	5-1/2	1/4	4.975 ±.037	.275 ±.006	200
568-430-B	5-1/8	5-5/8	1/4	5.100 ±.037	.275 ±.006	200
568-431-B	5-1/4	5-3/4	1/4	5.225 ±.037	.275 ±.006	200
568-432-B	5-3/8	5-7/8	1/4	5.350 ±.037	.275 ±.006	200
568-433-B	5-1/2	6	1/4	5.475 ±.037	.275 ±.006	200
568-434-B	5-5/8	6-1/8	1/4	5.600 ±.037	.275 ±.006	200
568-435-B	5-3/4	6-1/4	1/4	5.725 ±.037	.275 ±.006	200
568-436-B	5-7/8	6-3/8	1/4	5.850 ±.037	.275 ±.006	200
568-437-B	6	6-1/2	1/4	5.975 ±.037	.275 ±.006	200
568-438-B	6-1/4	6-3/4	1/4	6.225 ±.040	.275 ±.006	200
568-439-B	6-1/2	7	1/4	6.475 ±.040	.275 ±.006	200
568-440-B	6-3/4	7-1/4	1/4	6.725 ±.040	.275 ±.006	200
568-441-B	7	7-1/2	1/4	6.975 ±.040	.275 ±.006	200
568-442-B	7-1/4	7-3/4	1/4	7.225 ±.045	.275 ±.006	200
568-443-B	7-1/2	8	1/4	7.475 ±.045	.275 ±.006	200
568-444-B	7-3/4	8-1/4	1/4	7.725 ±.045	.275 ±.006	200
568-445-B	8	8-1/2	1/4	7.975 ±.045	.275 ±.006	100
568-446-B	8-1/2	9	1/4	8.475 ±.055	.275 ±.006	100
568-447-B	9	9-1/2	1/4	8.975 ±.055	.275 ±.006	100

STYLE 568, BULK 70 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-448-B	9-1/2	10	1/4	9.475 ±.055	.275 ±.006	100
568-449-B	10	10-1/2	1/4	9.975 ±.055	.275 ±.006	100
568-450-B	10-1/2	11	1/4	10.475 ±.060	.275 ±.006	100
568-451-B	11	11-1/2	1/4	10.975 ±.060	.275 ±.006	100
568-452-B	11-1/2	12	1/4	11.475 ±.060	.275 ±.006	100
568-453-B	12	12-1/2	1/4	11.975 ±.060	.275 ±.006	100
568-454-B	12-1/2	13	1/4	12.475 ±.060	.275 ±.006	100
568-455-B	13	13-1/2	1/4	12.975 ±.060	.275 ±.006	100
568-456-B	13-1/2	14	1/4	13.475 ±.070	.275 ±.006	100
568-457-B	14	14-1/2	1/4	13.975 ±.070	.275 ±.006	20
568-458-B	14-1/2	15	1/4	14.475 ±.070	.275 ±.006	20
568-459-B	15	15-1/2	1/4	14.975 ±.070	.275 ±.006	20
568-460-B	15-1/2	16	1/4	15.475 ±.070	.275 ±.006	20
568-461-B	16	16-1/2	1/4	15.955 ±.075	.275 ±.006	20
568-462-B	16-1/2	17	1/4	16.455 ±.075	.275 ±.006	20
568-463-B	17	17-1/2	1/4	16.955 ±.080	.275 ±.006	20
568-464-B	17-1/2	18	1/4	17.455 ±.085	.275 ±.006	20
568-465-B	18	18-1/2	1/4	17.955 ±.085	.275 ±.006	20
568-466-B	18-1/2	19	1/4	18.455 ±.085	.275 ±.006	20
568-467-B	19	19-1/2	1/4	18.955 ±.090	.275 ±.006	20
568-468-B	19-1/2	20	1/4	19.455 ±.090	.275 ±.006	20
568-469-B	20	20-1/2	1/4	19.955 ±.090	.275 ±.006	20
568-470-B	21	21-1/2	1/4	20.955 ±.090	.275 ±.006	20
568-471-B	22	22-1/2	1/4	21.955 ±.100	.275 ±.006	20
568-472-B	23	23-1/2	1/4	22.940 ±.105	.275 ±.006	20
568-473-B	24	24-1/2	1/4	23.940 ±.110	.275 ±.006	20
568-474-B	25	25-1/2	1/4	24.940 ±.115	.275 ±.006	20

STYLE 568C AND 580C, 70 DURO BUNA-N O-RING CORD



PART NUMBERS

568C - 062

Prefix — Nominal Cross Section

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE



PART NUMBERS

580C - 093

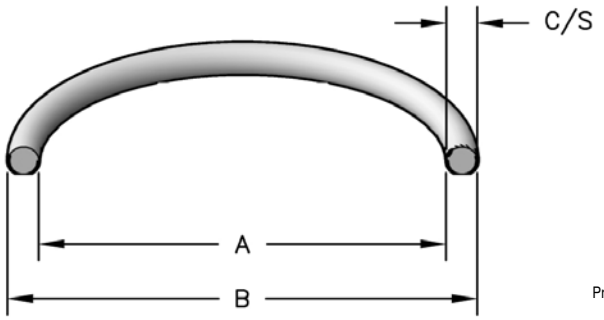
Prefix — Nominal Cross Section

SOLD BY FOOT

Part Number	Nom. Cross Section	C HEIGHT	CROSS SECTION
568C-062	1/16		.070 ±.006
568C-093	3/32		.103 ±.007
568C-125	1/8		.139 ±.007
568C-187	3/16		.210 ±.008
568C-250	1/4		.275 ±.008
568C-313	5/16		.313 ±.012
568C-375	3/8		.375 ±.012
568C-437	7/16		.437 ±.012
568C-500	1/2		.500 ±.012
580C-093	3/32	.099 ±.005	.099 ±.005
580C-125	1/8	.134 ±.006	.134 ±.006
580C-187	3/16	.203 ±.007	.203 ±.007
580C-250	1/4	.266 ±.007	.266 ±.007

STYLE 568, 90 DURO BUNA-N O-RINGS

Reduced prices are available for large quantity purchases of 70 & 90 Durometer O-Rings.



PART NUMBERS

568 - 001 - 90D

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/32" C/S						
568-001-90D	1/32	3/32	1/32	.029 ±.004	.040 ±.003	50
3/64" C/S						
568-002-90D	3/64	9/64	3/64	.042 ±.004	.050 ±.003	50
1/16" C/S						
568-003-90D	1/16	3/16	1/16	.056 ±.004	.060 ±.003	50
568-004-90D	5/64	13/64	1/16	.070 ±.005	.070 ±.003	50
568-005-90D	3/32	7/32	1/16	.101 ±.005	.070 ±.003	50
568-006-90D	1/8	1/4	1/16	.114 ±.005	.070 ±.003	50
568-007-90D	5/32	9/32	1/16	.145 ±.005	.070 ±.003	50
568-008-90D	3/16	5/16	1/16	.176 ±.005	.070 ±.003	50
568-009-90D	7/32	11/32	1/16	.208 ±.005	.070 ±.003	50
568-010-90D	1/4	3/8	1/16	.239 ±.005	.070 ±.003	50
568-011-90D	5/16	7/16	1/16	.301 ±.005	.070 ±.003	50
568-012-90D	3/8	1/2	1/16	.364 ±.005	.070 ±.003	50
568-013-90D	7/16	9/16	1/16	.426 ±.005	.070 ±.003	50
568-014-90D	1/2	5/8	1/16	.489 ±.005	.070 ±.003	50
568-015-90D	9/16	11/16	1/16	.551 ±.007	.070 ±.003	50
568-016-90D	5/8	3/4	1/16	.614 ±.009	.070 ±.003	50
568-017-90D	11/16	13/16	1/16	.676 ±.009	.070 ±.003	50
568-018-90D	3/4	7/8	1/16	.739 ±.009	.070 ±.003	50
568-019-90D	13/16	15/16	1/16	.801 ±.009	.070 ±.003	50
568-020-90D	7/8	1	1/16	.864 ±.009	.070 ±.003	50
568-021-90D	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	50
568-022-90D	1	1-1/8	1/16	.989 ±.010	.070 ±.003	50
568-023-90D	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	50
568-024-90D	1-1/8	1-1/4	1/16	1.114 ±.010	.070 ±.003	50
568-025-90D	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	50
568-026-90D	1-1/4	1-3/8	1/16	1.239 ±.011	.070 ±.003	50
568-027-90D	1-5/16	1-7/16	1/16	1.301 ±.011	.070 ±.003	50
568-028-90D	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	20
568-029-90D	1-1/2	1-5/8	1/16	1.489 ±.013	.070 ±.003	20
568-030-90D	1-5/8	1-3/4	1/16	1.614 ±.013	.070 ±.003	20
568-031-90D	1-3/4	1-7/8	1/16	1.739 ±.015	.070 ±.003	20
568-032-90D	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	20
568-033-90D	2	2-1/8	1/16	1.989 ±.018	.070 ±.003	20
568-034-90D	2-1/8	2-1/4	1/16	2.114 ±.018	.070 ±.003	20
568-035-90D	2-1/4	2-3/8	1/16	2.239 ±.018	.070 ±.003	20
568-036-90D	2-3/8	2-1/2	1/16	2.364 ±.018	.070 ±.003	20
568-037-90D	2-1/2	2-5/8	1/16	2.489 ±.018	.070 ±.003	20
568-038-90D	2-5/8	2-3/4	1/16	2.614 ±.020	.070 ±.003	20
568-039-90D	2-3/4	2-7/8	1/16	2.739 ±.020	.070 ±.003	20

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-040-90D	2-7/8	3	1/16	2.864 ±.020	.070 ±.003	20
568-041-90D	3	3-1/8	1/16	2.989 ±.024	.070 ±.003	20
568-042-90D	3-1/4	3-3/8	1/16	3.239 ±.024	.070 ±.003	10
568-043-90D	3-1/2	3-5/8	1/16	3.489 ±.024	.070 ±.003	10
568-044-90D	3-3/4	3-7/8	1/16	3.739 ±.027	.070 ±.003	10
568-045-90D	4	4-1/8	1/16	3.989 ±.027	.070 ±.003	10
568-046-90D	4-1/4	4-3/8	1/16	4.239 ±.030	.070 ±.003	10
568-047-90D	4-1/2	4-5/8	1/16	4.489 ±.030	.070 ±.003	5
568-048-90D	4-3/4	4-7/8	1/16	4.739 ±.030	.070 ±.003	5
568-049-90D	5	5-1/8	1/16	4.989 ±.037	.070 ±.003	5
568-050-90D	5-1/4	5-3/8	1/16	5.239 ±.037	.070 ±.003	5
			3/32" C/S			
568-102-90D	1/16	1/4	3/32	.049 ±.005	.103 ±.003	50
568-103-90D	3/32	9/32	3/32	.081 ±.005	.103 ±.003	50
568-104-90D	1/8	5/16	3/32	.112 ±.005	.103 ±.003	50
568-105-90D	5/32	11/32	3/32	.143 ±.005	.103 ±.003	50
568-106-90D	3/16	3/8	3/32	.174 ±.005	.103 ±.003	50
568-107-90D	7/32	13/32	3/32	.206 ±.005	.103 ±.003	50
568-108-90D	1/4	7/16	3/32	.237 ±.005	.103 ±.003	50
568-109-90D	5/16	1/2	3/32	.299 ±.005	.103 ±.003	50
568-110-90D	3/8	9/16	3/32	.362 ±.005	.103 ±.003	50
568-111-90D	7/16	5/8	3/32	.424 ±.005	.103 ±.003	50
568-112-90D	1/2	11/16	3/32	.487 ±.005	.103 ±.003	50
568-113-90D	9/16	3/4	3/32	.549 ±.005	.103 ±.003	50
568-114-90D	5/8	13/16	3/32	.612 ±.009	.103 ±.003	50
568-115-90D	11/16	7/8	3/32	.674 ±.009	.103 ±.003	50
568-116-90D	3/4	15/16	3/32	.737 ±.009	.103 ±.003	50
568-117-90D	13/16	1	3/32	.799 ±.010	.103 ±.003	50
568-118-90D	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	50
568-119-90D	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	50
568-120-90D	1	1-3/16	3/32	.987 ±.010	.103 ±.003	50
568-121-90D	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	50
568-122-90D	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	50
568-123-90D	1-3/16	1-3/8	3/32	1.174 ±.012	.103 ±.003	50
568-124-90D	1-1/4	1-7/16	3/32	1.237 ±.012	.103 ±.003	50
568-125-90D	1-5/16	1-1/2	3/32	1.299 ±.012	.103 ±.003	50
568-126-90D	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	20
568-127-90D	1-7/16	1-5/8	3/32	1.424 ±.012	.103 ±.003	20
568-128-90D	1-1/2	1-11/16	3/32	1.487 ±.012	.103 ±.003	20
568-129-90D	1-9/16	1-3/4	3/32	1.549 ±.015	.103 ±.003	20
568-130-90D	1-5/8	1-13/16	3/32	1.612 ±.015	.103 ±.003	20
568-131-90D	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	20
568-132-90D	1-3/4	1-15/16	3/32	1.737 ±.015	.103 ±.003	20
568-133-90D	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	20
568-134-90D	1-7/8	2-1/16	3/32	1.862 ±.015	.103 ±.003	20
568-135-90D	1-15/16	2-1/8	3/32	1.925 ±.017	.103 ±.003	20
568-136-90D	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	20
568-137-90D	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	20
568-138-90D	2-1/8	2-5/16	3/32	2.112 ±.017	.103 ±.003	20
568-139-90D	2-3/16	2-3/8	3/32	2.175 ±.017	.103 ±.003	20
568-140-90D	2-1/4	2-7/16	3/32	2.237 ±.017	.103 ±.003	20
568-141-90D	2-5/16	2-1/2	3/32	2.300 ±.020	.103 ±.003	20
568-142-90D	2-3/8	2-9/16	3/32	2.362 ±.020	.103 ±.003	20
568-143-90D	2-7/16	2-5/8	3/32	2.425 ±.020	.103 ±.003	20
568-144-90D	2-1/2	2-11/16	3/32	2.487 ±.020	.103 ±.003	20
568-145-90D	2-9/16	2-3/4	3/32	2.550 ±.020	.103 ±.003	20
568-146-90D	2-5/8	2-13/16	3/32	2.612 ±.020	.103 ±.003	20

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-147-90D	2-11/16	2-7/8	3/32	2.675 ±.022	.103 ±.003	20
568-148-90D	2-3/4	2-15/16	3/32	2.737 ±.022	.103 ±.003	20
568-149-90D	2-13/16	3	3/32	2.800 ±.022	.103 ±.003	20
568-150-90D	2-7/8	3-1/16	3/32	2.862 ±.022	.103 ±.003	20
568-151-90D	3	3-3/16	3/32	2.987 ±.024	.103 ±.003	20
568-152-90D	3-1/4	3-7/16	3/32	3.237 ±.024	.103 ±.003	10
568-153-90D	3-1/2	3-11/16	3/32	3.487 ±.024	.103 ±.003	10
568-154-90D	3-3/4	3-15/16	3/32	3.737 ±.028	.103 ±.003	10
568-155-90D	4	4-3/16	3/32	3.987 ±.028	.103 ±.003	10
568-156-90D	4-1/4	4-7/16	3/32	4.237 ±.030	.103 ±.003	10
568-157-90D	4-1/2	4-11/16	3/32	4.487 ±.030	.103 ±.003	5
568-158-90D	4-3/4	4-15/16	3/32	4.737 ±.030	.103 ±.003	5
568-159-90D	5	5-3/16	3/32	4.987 ±.035	.103 ±.003	5
568-160-90D	5-1/4	5-7/16	3/32	5.237 ±.035	.103 ±.003	5
568-161-90D	5-1/2	5-11/16	3/32	5.487 ±.035	.103 ±.003	5
568-162-90D	5-3/4	5-15/16	3/32	5.737 ±.035	.103 ±.003	5
568-163-90D	6	6-3/16	3/32	5.987 ±.035	.103 ±.003	5
568-164-90D	6-1/4	6-7/16	3/32	6.237 ±.040	.103 ±.003	5
568-165-90D	6-1/2	6-11/16	3/32	6.487 ±.040	.103 ±.003	5
568-166-90D	6-3/4	6-15/16	3/32	6.737 ±.040	.103 ±.003	5
568-167-90D	7	7-3/16	3/32	6.987 ±.040	.103 ±.003	5
568-171-90D	8	8-3/16	3/32	7.987 ±.045	.103 ±.003	1
568-173-90D	8-1/2	8-11/16	3/32	8.487 ±.050	.103 ±.003	1
568-178-90D	9-3/4	9-15/16	3/32	9.737 ±.055	.103 ±.003	1
1/8" C/S						
568-201-90D	3/16	7/16	1/8	.171 ±.005	.139 ±.004	50
568-202-90D	1/4	1/2	1/8	.234 ±.005	.139 ±.004	50
568-203-90D	5/16	9/16	1/8	.296 ±.005	.139 ±.004	50
568-204-90D	3/8	5/8	1/8	.359 ±.005	.139 ±.004	50
568-205-90D	7/16	11/16	1/8	.421 ±.005	.139 ±.004	50
568-206-90D	1/2	3/4	1/8	.484 ±.005	.139 ±.004	50
568-207-90D	9/16	13/16	1/8	.546 ±.007	.139 ±.004	50
568-208-90D	5/8	7/8	1/8	.609 ±.009	.139 ±.004	50
568-209-90D	11/16	15/16	1/8	.671 ±.009	.139 ±.004	50
568-210-90D	3/4	1	1/8	.734 ±.010	.139 ±.004	50
568-211-90D	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	50
568-212-90D	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	50
568-213-90D	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	50
568-214-90D	1	1-1/4	1/8	.984 ±.010	.139 ±.004	50
568-215-90D	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	50
568-216-90D	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	50
568-217-90D	1-3/16	1-7/16	1/8	1.171 ±.012	.139 ±.004	50
568-218-90D	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	20
568-219-90D	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	20
568-220-90D	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	20
568-221-90D	1-7/16	1-11/16	1/8	1.421 ±.012	.139 ±.004	20
568-222-90D	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	20
568-223-90D	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	20
568-224-90D	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	20
568-225-90D	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	20
568-226-90D	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	20
568-227-90D	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	20
568-228-90D	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	20
568-229-90D	2-3/8	2-5/8	1/8	2.359 ±.020	.139 ±.004	20
568-230-90D	2-1/2	2-3/4	1/8	2.484 ±.020	.139 ±.004	20
568-231-90D	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	20
568-232-90D	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	10

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-233-90D	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	10
568-234-90D	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	10
568-235-90D	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	10
568-236-90D	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	10
568-237-90D	3-3/8	3-5/8	1/8	3.359 ±.024	.139 ±.004	10
568-238-90D	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	10
568-239-90D	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	10
568-240-90D	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	10
568-241-90D	3-7/8	4-1/8	1/8	3.859 ±.028	.139 ±.004	10
568-242-90D	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	10
568-243-90D	4-1/8	4-3/8	1/8	4.109 ±.028	.139 ±.004	10
568-244-90D	4-1/4	4-1/2	1/8	4.234 ±.030	.139 ±.004	10
568-245-90D	4-3/8	4-5/8	1/8	4.359 ±.030	.139 ±.004	10
568-246-90D	4-1/2	4-3/4	1/8	4.484 ±.030	.139 ±.004	5
568-247-90D	4-5/8	4-7/8	1/8	4.609 ±.030	.139 ±.004	5
568-248-90D	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	5
568-249-90D	4-7/8	5-1/8	1/8	4.859 ±.035	.139 ±.004	5
568-250-90D	5	5-1/4	1/8	4.984 ±.035	.139 ±.004	5
568-251-90D	5-1/8	5-3/8	1/8	5.109 ±.035	.139 ±.004	5
568-252-90D	5-1/4	5-1/2	1/8	5.234 ±.035	.139 ±.004	5
568-253-90D	5-3/8	5-5/8	1/8	5.359 ±.035	.139 ±.004	5
568-254-90D	5-1/2	5-3/4	1/8	5.484 ±.035	.139 ±.004	5
568-255-90D	5-5/8	5-7/8	1/8	5.609 ±.035	.139 ±.004	5
568-256-90D	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	5
568-257-90D	5-7/8	6-1/8	1/8	5.859 ±.035	.139 ±.004	5
568-258-90D	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	5
568-259-90D	6-1/4	6-1/2	1/8	6.234 ±.040	.139 ±.004	5
568-260-90D	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	1
568-261-90D	6-3/4	7	1/8	6.734 ±.040	.139 ±.004	1
568-262-90D	7	7-1/4	1/8	6.984 ±.040	.139 ±.004	1
568-263-90D	7-1/4	7-1/2	1/8	7.234 ±.045	.139 ±.004	1
568-264-90D	7-1/2	7-3/4	1/8	7.484 ±.045	.139 ±.004	1
568-265-90D	7-3/4	8	1/8	7.734 ±.045	.139 ±.004	1
568-266-90D	8	8-1/4	1/8	7.984 ±.045	.139 ±.004	1
568-267-90D	8-1/4	8-1/2	1/8	8.234 ±.050	.139 ±.004	1
568-268-90D	8-1/2	8-3/4	1/8	8.484 ±.050	.139 ±.004	1
568-269-90D	8-3/4	9	1/8	8.734 ±.050	.139 ±.004	1
568-270-90D	9	9-1/4	1/8	8.984 ±.050	.139 ±.004	1
568-271-90D	9-1/4	9-1/2	1/8	9.234 ±.055	.139 ±.004	1
568-272-90D	9-1/2	9-3/4	1/8	9.484 ±.055	.139 ±.004	1
568-273-90D	9-3/4	10	1/8	9.734 ±.055	.139 ±.004	1
568-274-90D	10	10-1/4	1/8	9.984 ±.055	.139 ±.004	1
568-275-90D	10-1/2	10-3/4	1/8	10.484 ±.055	.139 ±.004	1
568-276-90D	11	11-1/4	1/8	10.984 ±.065	.139 ±.004	1
568-277-90D	11-1/2	11-3/4	1/8	11.484 ±.065	.139 ±.004	1
568-278-90D	12	12-1/4	1/8	11.984 ±.065	.139 ±.004	1
568-279-90D	13	13-1/4	1/8	12.984 ±.065	.139 ±.004	1
568-280-90D	14	14-1/4	1/8	13.984 ±.065	.139 ±.004	1
568-281-90D	15	15-1/4	1/8	14.984 ±.065	.139 ±.004	1
568-282-90D	16	16-1/4	1/8	15.955 ±.075	.139 ±.004	1
568-283-90D	17	17-1/4	1/8	16.955 ±.080	.139 ±.004	1
568-284-90D	18	18-1/4	1/8	17.955 ±.085	.139 ±.004	1
3/16" C/S						
568-310-90D	1/2	7/8	3/16	.475 ±.005	.210 ±.005	50
568-312-90D	5/8	1	3/16	.600 ±.009	.210 ±.005	50
568-313-90D	11/16	1-1/16	3/16	.662 ±.009	.210 ±.005	20
568-315-90D	13/16	1-3/16	3/16	.787 ±.010	.210 ±.005	20

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-316-90D	7/8	1-1/4	3/16	.850 ±.010	.210 ±.005	20
568-317-90D	15/16	1-5/16	3/16	.912 ±.010	.210 ±.005	20
568-318-90D	1	1-3/8	3/16	.975 ±.010	.210 ±.005	20
568-319-90D	1-1/16	1-7/16	3/16	1.037 ±.010	.210 ±.005	20
568-320-90D	1-1/8	1-1/2	3/16	1.100 ±.012	.210 ±.005	20
568-321-90D	1-3/16	1-9/16	3/16	1.162 ±.012	.210 ±.005	20
568-322-90D	1-1/4	1-5/8	3/16	1.225 ±.012	.210 ±.005	20
568-323-90D	1-5/16	1-11/16	3/16	1.287 ±.012	.210 ±.005	20
568-324-90D	1-3/8	1-3/4	3/16	1.350 ±.012	.210 ±.005	20
568-325-90D	1-1/2	1-7/8	3/16	1.475 ±.015	.210 ±.005	20
568-326-90D	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	20
568-327-90D	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	20
568-328-90D	1-7/8	2-1/4	3/16	1.850 ±.015	.210 ±.005	20
568-329-90D	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	20
568-330-90D	2-1/8	2-1/2	3/16	2.100 ±.018	.210 ±.005	20
568-331-90D	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	10
568-332-90D	2-3/8	2-3/4	3/16	2.350 ±.018	.210 ±.005	10
568-333-90D	2-1/2	2-7/8	3/16	2.475 ±.020	.210 ±.005	10
568-334-90D	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	10
568-335-90D	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	10
568-336-90D	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	10
568-337-90D	3	3-3/8	3/16	2.975 ±.024	.210 ±.005	10
568-338-90D	3-1/8	3-1/2	3/16	3.100 ±.024	.210 ±.005	10
568-339-90D	3-1/4	3-5/8	3/16	3.225 ±.024	.210 ±.005	10
568-340-90D	3-3/8	3-3/4	3/16	3.350 ±.024	.210 ±.005	10
568-341-90D	3-1/2	3-7/8	3/16	3.475 ±.024	.210 ±.005	10
568-342-90D	3-5/8	4	3/16	3.600 ±.028	.210 ±.005	10
568-343-90D	3-3/4	4-1/8	3/16	3.725 ±.028	.210 ±.005	10
568-344-90D	3-7/8	4-1/4	3/16	3.850 ±.028	.210 ±.005	5
568-345-90D	4	4-3/8	3/16	3.975 ±.028	.210 ±.005	5
568-346-90D	4-1/8	4-1/2	3/16	4.100 ±.028	.210 ±.005	5
568-347-90D	4-1/4	4-5/8	3/16	4.225 ±.030	.210 ±.005	5
568-348-90D	4-3/8	4-3/4	3/16	4.350 ±.030	.210 ±.005	5
568-349-90D	4-1/2	4-7/8	3/16	4.475 ±.030	.210 ±.005	5
568-350-90D	4-5/8	5	3/16	4.600 ±.030	.210 ±.005	5
568-351-90D	4-3/4	5-1/8	3/16	4.725 ±.030	.210 ±.005	5
568-352-90D	4-7/8	5-1/4	3/16	4.850 ±.030	.210 ±.005	5
568-353-90D	5	5-3/8	3/16	4.975 ±.037	.210 ±.005	5
568-354-90D	5-1/8	5-1/2	3/16	5.100 ±.037	.210 ±.005	5
568-355-90D	5-1/4	5-5/8	3/16	5.225 ±.037	.210 ±.005	5
568-356-90D	5-3/8	5-3/4	3/16	5.350 ±.037	.210 ±.005	5
568-357-90D	5-1/2	5-7/8	3/16	5.475 ±.037	.210 ±.005	5
568-358-90D	5-5/8	6	3/16	5.600 ±.037	.210 ±.005	5
568-359-90D	5-3/4	6-1/8	3/16	5.725 ±.037	.210 ±.005	5
568-360-90D	5-7/8	6-1/4	3/16	5.850 ±.037	.210 ±.005	5
568-361-90D	6	6-3/8	3/16	5.975 ±.037	.210 ±.005	1
568-362-90D	6-1/4	6-5/8	3/16	6.225 ±.040	.210 ±.005	1
568-363-90D	6-1/2	6-7/8	3/16	6.475 ±.040	.210 ±.005	1
568-364-90D	6-3/4	7-1/8	3/16	6.725 ±.040	.210 ±.005	1
568-365-90D	7	7-3/8	3/16	6.975 ±.040	.210 ±.005	1
568-366-90D	7-1/4	7-5/8	3/16	7.225 ±.045	.210 ±.005	1
568-367-90D	7-1/2	7-7/8	3/16	7.475 ±.045	.210 ±.005	1
568-368-90D	7-3/4	8-1/8	3/16	7.725 ±.045	.210 ±.005	1
568-368.5-90D	7-7/8	8-1/4	3/16	7.850 ±.045	.210 ±.005	1
568-369-90D	8	8-3/8	3/16	7.975 ±.045	.210 ±.005	1
568-370-90D	8-1/4	8-5/8	3/16	8.225 ±.050	.210 ±.005	1
568-371-90D	8-1/2	8-7/8	3/16	8.475 ±.050	.210 ±.005	1

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-372-90D	8-3/4	9-1/8	3/16	8.725 ±.050	.210 ±.005	1
568-373-90D	9	9-3/8	3/16	8.975 ±.050	.210 ±.005	1
568-374-90D	9-1/4	9-5/8	3/16	9.225 ±.055	.210 ±.005	1
568-375-90D	9-1/2	9-7/8	3/16	9.475 ±.055	.210 ±.005	1
568-376-90D	9-3/4	10-1/8	3/16	9.725 ±.055	.210 ±.005	1
568-377-90D	10	10-3/8	3/16	9.975 ±.055	.210 ±.005	1
568-378-90D	10-1/2	10-7/8	3/16	10.475 ±.060	.210 ±.005	1
568-379-90D	11	11-3/8	3/16	10.975 ±.060	.210 ±.005	1
568-380-90D	11-1/2	11-7/8	3/16	11.475 ±.065	.210 ±.005	1
568-381-90D	12	12-3/8	3/16	11.975 ±.065	.210 ±.005	1
568-382-90D	13	13-3/8	3/16	12.975 ±.065	.210 ±.005	1
568-383-90D	14	14-3/8	3/16	13.975 ±.070	.210 ±.005	1
568-384-90D	15	15-3/8	3/16	14.975 ±.070	.210 ±.005	1
568-385-90D	16	16-3/8	3/16	15.955 ±.075	.210 ±.005	1
1/4" C/S						
568-401-90D	1-1/2	2	1/4	1.475 ±.014	.275 ±.006	5
568-402-90D	1-5/8	2-1/8	1/4	1.600 ±.015	.275 ±.006	5
568-403-90D	1-3/4	2-1/4	1/4	1.725 ±.016	.275 ±.006	5
568-404-90D	1-7/8	2-3/8	1/4	1.850 ±.016	.275 ±.006	5
568-405-90D	2	2-1/2	1/4	1.975 ±.017	.275 ±.006	5
568-406-90D	2-1/8	2-5/8	1/4	2.100 ±.018	.275 ±.006	5
568-407-90D	2-1/4	2-3/4	1/4	2.225 ±.018	.275 ±.006	5
568-408-90D	2-3/8	2-7/8	1/4	2.350 ±.020	.275 ±.006	5
568-409-90D	2-1/2	3	1/4	2.475 ±.020	.275 ±.006	5
568-410-90D	2-5/8	3-1/8	1/4	2.600 ±.020	.275 ±.006	5
568-411-90D	2-3/4	3-1/4	1/4	2.725 ±.022	.275 ±.006	5
568-412-90D	2-7/8	3-3/8	1/4	2.850 ±.022	.275 ±.006	5
568-413-90D	3	3-1/2	1/4	2.975 ±.024	.275 ±.006	5
568-414-90D	3-1/8	3-5/8	1/4	3.100 ±.024	.275 ±.006	5
568-415-90D	3-1/4	3-3/4	1/4	3.225 ±.024	.275 ±.006	5
568-416-90D	3-3/8	3-7/8	1/4	3.350 ±.026	.275 ±.006	5
568-417-90D	3-1/2	4	1/4	3.475 ±.026	.275 ±.006	5
568-418-90D	3-5/8	4-1/8	1/4	3.600 ±.026	.275 ±.006	5
568-419-90D	3-3/4	4-1/4	1/4	3.725 ±.028	.275 ±.006	5
568-420-90D	3-7/8	4-3/8	1/4	3.850 ±.028	.275 ±.006	5
568-421-90D	4	4-1/2	1/4	3.975 ±.028	.275 ±.006	5
568-422-90D	4-1/8	4-5/8	1/4	4.100 ±.030	.275 ±.006	5
568-423-90D	4-1/4	4-3/4	1/4	4.225 ±.030	.275 ±.006	5
568-424-90D	4-3/8	4-7/8	1/4	4.350 ±.030	.275 ±.006	5
568-425-90D	4-1/2	5	1/4	4.475 ±.033	.275 ±.006	5
568-426-90D	4-5/8	5-1/8	1/4	4.600 ±.033	.275 ±.006	5
568-427-90D	4-3/4	5-1/4	1/4	4.725 ±.033	.275 ±.006	5
568-428-90D	4-7/8	5-3/8	1/4	4.850 ±.033	.275 ±.006	5
568-429-90D	5	5-1/2	1/4	4.975 ±.037	.275 ±.006	5
568-430-90D	5-1/8	5-5/8	1/4	5.100 ±.037	.275 ±.006	5
568-431-90D	5-1/4	5-3/4	1/4	5.225 ±.037	.275 ±.006	5
568-432-90D	5-3/8	5-7/8	1/4	5.350 ±.037	.275 ±.006	5
568-433-90D	5-1/2	6	1/4	5.475 ±.037	.275 ±.006	5
568-434-90D	5-5/8	6-1/8	1/4	5.600 ±.037	.275 ±.006	5
568-435-90D	5-3/4	6-1/4	1/4	5.725 ±.037	.275 ±.006	1
568-436-90D	5-7/8	6-3/8	1/4	5.850 ±.037	.275 ±.006	1
568-437-90D	6	6-1/2	1/4	5.975 ±.037	.275 ±.006	1
568-438-90D	6-1/4	6-3/4	1/4	6.225 ±.040	.275 ±.006	1
568-439-90D	6-1/2	7	1/4	6.475 ±.040	.275 ±.006	1
568-440-90D	6-3/4	7-1/4	1/4	6.725 ±.040	.275 ±.006	1
568-441-90D	7	7-1/2	1/4	6.975 ±.040	.275 ±.006	1
568-442-90D	7-1/4	7-3/4	1/4	7.225 ±.045	.275 ±.006	1

STYLE 568, 90 DURO BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-443-90D	7-1/2	8	1/4	7.475 ±.045	.275 ±.006	1
568-444-90D	7-3/4	8-1/4	1/4	7.725 ±.045	.275 ±.006	1
568-445-90D	8	8-1/2	1/4	7.975 ±.045	.275 ±.006	1
568-446-90D	8-1/2	9	1/4	8.475 ±.055	.275 ±.006	1
568-447-90D	9	9-1/2	1/4	8.975 ±.055	.275 ±.006	1
568-448-90D	9-1/2	10	1/4	9.475 ±.055	.275 ±.006	1
568-449-90D	10	10-1/2	1/4	9.975 ±.055	.275 ±.006	1
568-450-90D	10-1/2	11	1/4	10.475 ±.060	.275 ±.006	1
568-451-90D	11	11-1/2	1/4	10.975 ±.060	.275 ±.006	1
568-452-90D	11-1/2	12	1/4	11.475 ±.060	.275 ±.006	1
568-453-90D	12	12-1/2	1/4	11.975 ±.060	.275 ±.006	1
568-454-90D	12-1/2	13	1/4	12.475 ±.060	.275 ±.006	1
568-455-90D	13	13-1/2	1/4	12.975 ±.060	.275 ±.006	1
568-456-90D	13-1/2	14	1/4	13.475 ±.070	.275 ±.006	1
568-457-90D	14	14-1/2	1/4	13.975 ±.070	.275 ±.006	1
568-458-90D	14-1/2	15	1/4	14.475 ±.070	.275 ±.006	1
568-459-90D	15	15-1/2	1/4	14.975 ±.070	.275 ±.006	1
568-460-90D	15-1/2	16	1/4	15.475 ±.070	.275 ±.006	1
568-461-90D	16	16-1/2	1/4	15.955 ±.075	.275 ±.006	1
568-462-90D	16-1/2	17	1/4	16.455 ±.075	.275 ±.006	1
568-463-90D	17	17-1/2	1/4	16.955 ±.080	.275 ±.006	1
568-464-90D	17-1/2	18	1/4	17.455 ±.085	.275 ±.006	1
568-466-90D	18-1/2	19	1/4	18.455 ±.085	.275 ±.006	1
568-468-90D	19-1/2	20	1/4	19.455 ±.090	.275 ±.006	1
568-469-90D	20	20-1/2	1/4	19.955 ±.090	.275 ±.006	1
568-471-90D	22	22-1/2	1/4	21.955 ±.100	.275 ±.006	1
568-472-90D	23	23-1/2	1/4	22.940 ±.105	.275 ±.006	1
568-473-90D	24	24-1/2	1/4	23.940 ±.110	.275 ±.006	1

STYLE 568, 90 DURO BUNA-N O-RING BOSS GASKETS FOR STRAIGHT THREAD FITTINGS

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (OD) INCHES	ACTUAL SIZE	
		ID	W.
-901	3/32	.185 ±.005	.056 ±.003
-902	1/8	.239 ±.005	.064 ±.003
-903	3/16	.301 ±.005	.064 ±.003
-904	1/4	.351 ±.005	.072 ±.003
-905	5/16	.414 ±.005	.072 ±.003
-906	3/8	.468 ±.005	.078 ±.003
-907	7/16	.530 ±.005	.082 ±.003
-908	1/2	.644 ±.009	.087 ±.003
-909	9/16	.706 ±.009	.097 ±.003
-910	5/8	.755 ±.009	.097 ±.003
-911	11/16	.863 ±.009	.116 ±.004
-912	3/4	.924 ±.009	.116 ±.004
-913	13/16	.986 ±.010	.116 ±.004
-914	7/8	1.047 ±.010	.116 ±.004
-916	1	1.171 ±.010	.116 ±.004
-918	1-1/8	1.355 ±.012	.116 ±.004
-920	1-1/4	1.475 ±.012	.118 ±.004
-924	1-1/2	1.720 ±.014	.118 ±.004
-928	1-3/4	2.090 ±.018	.118 ±.004
-932	2	2.337 ±.018	.118 ±.004

SEAL INFORMATION	
MATERIAL	90 DUROMETER BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F

PART NUMBERS

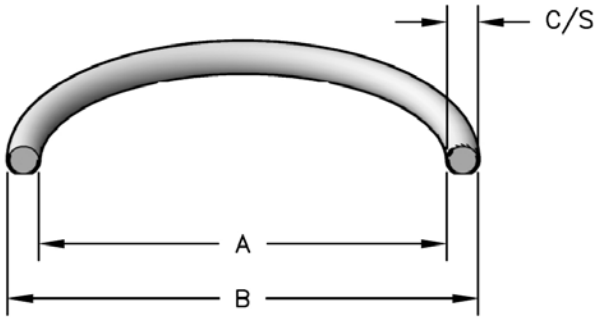
568 - 901

Prefix — Dash Number

Part Number	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-901	.185 ±.005	.056 ±.003	50
568-902	.239 ±.005	.064 ±.003	50
568-903	.301 ±.005	.064 ±.003	50
568-903-70D	.301 ±.005	.064 ±.003	29
568-904	.351 ±.005	.072 ±.003	50
568-905	.414 ±.005	.072 ±.003	50
568-906	.468 ±.005	.078 ±.003	50
568-907	.530 ±.005	.082 ±.003	50
568-908	.644 ±.009	.087 ±.003	50
568-909	.706 ±.009	.097 ±.003	50
568-910	.755 ±.009	.097 ±.003	50
568-911	.863 ±.009	.116 ±.004	50
568-911-70D	.863 ±.009	.116 ±.004	20
568-912	.924 ±.009	.116 ±.004	50
568-913	.986 ±.010	.116 ±.004	20
568-914	1.047 ±.010	.116 ±.004	20
568-916	1.171 ±.010	.116 ±.004	20
568-918	1.355 ±.012	.116 ±.004	20
568-918-70D	1.355 ±.012	.116 ±.004	10
568-920	1.475 ±.012	.118 ±.004	20
568-924	1.720 ±.014	.118 ±.004	10
568-928	2.090 ±.018	.118 ±.004	10
568-928-70D	2.090 ±.018	.118 ±.004	9
568-932	2.337 ±.018	.118 ±.004	10
568-932-70D	2.337 ±.018	.118 ±.004	8

STYLE 568, 70 DURO HNBR O-RINGS

Hydrogenated Nitrile Rubber (HNBR), also known as Highly Saturated Nitrile (HSN), is a compound with superior heat, ozone, chemical resistance, tensile strength and abrasion resistance over natural rubber. HNBR provides excellent service life in most sealing applications such as oilfield, automotive and refrigerants.



PART NUMBERS

568 - 004H

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	HIGHLY SATURATED NITRILE
TEMPERATURE RANGE	-40° TO +300° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S							
568-004H	5/64	13/64	1/16	-004	.070 ±.005	.070 ±.003	50
568-005H	3/32	7/32	1/16	-005	.101 ±.005	.070 ±.003	50
568-006H	1/8	1/4	1/16	-006	.114 ±.005	.070 ±.003	50
568-007H	5/32	9/32	1/16	-007	.145 ±.005	.070 ±.003	50
568-008H	3/16	5/16	1/16	-008	.176 ±.005	.070 ±.003	50
568-009H	7/32	11/32	1/16	-009	.208 ±.005	.070 ±.003	50
568-010H	1/4	3/8	1/16	-010	.239 ±.005	.070 ±.003	50
568-011H	5/16	7/16	1/16	-011	.301 ±.005	.070 ±.003	50
568-012H	3/8	1/2	1/16	-012	.364 ±.005	.070 ±.003	50
568-013H	7/16	9/16	1/16	-013	.426 ±.005	.070 ±.003	50
568-014H	1/2	5/8	1/16	-014	.489 ±.005	.070 ±.003	50
568-015H	9/16	11/16	1/16	-015	.551 ±.007	.070 ±.003	50
568-016H	5/8	3/4	1/16	-016	.614 ±.009	.070 ±.003	50
568-017H	11/16	13/16	1/16	-017	.676 ±.009	.070 ±.003	50
568-018H	3/4	7/8	1/16	-018	.739 ±.009	.070 ±.003	50
568-019H	13/16	15/16	1/16	-019	.801 ±.009	.070 ±.003	50
568-020H	7/8	1	1/16	-020	.864 ±.009	.070 ±.003	50
568-021H	15/16	1-1/16	1/16	-021	.926 ±.009	.070 ±.003	50
568-022H	1	1-1/8	1/16	-022	.989 ±.010	.070 ±.003	50
568-023H	1-1/16	1-3/16	1/16	-023	1.051 ±.010	.070 ±.003	50
568-024H	1-1/8	1-1/4	1/16	-024	1.114 ±.010	.070 ±.003	50
568-025H	1-3/16	1-5/16	1/16	-025	1.176 ±.011	.070 ±.003	50
568-026H	1-1/4	1-3/8	1/16	-026	1.239 ±.011	.070 ±.003	50
568-027H	1-5/16	1-7/16	1/16	-027	1.301 ±.011	.070 ±.003	50
568-028H	1-3/8	1-1/2	1/16	-028	1.364 ±.013	.070 ±.003	20
568-031H	1-3/4	1-7/8	1/16	-031	1.739 ±.015	.070 ±.003	20
568-033H	2	2-1/8	1/16	-033	1.989 ±.018	.070 ±.003	10
568-037H	2-1/2	2-5/8	1/16	-037	2.489 ±.018	.070 ±.003	10
568-046H	4-1/4	4-3/8	1/16	-046	4.239 ±.030	.070 ±.003	5
3/32" C/S							
568-106H	3/16	3/8	3/32	-106	.174 ±.005	.103 ±.003	50
568-108H	1/4	7/16	3/32	-108	.237 ±.005	.103 ±.003	50
568-110H	3/8	9/16	3/32	-110	.362 ±.005	.103 ±.003	50
568-111H	7/16	5/8	3/32	-111	.424 ±.005	.103 ±.003	50
568-112H	1/2	11/16	3/32	-112	.487 ±.005	.103 ±.003	50
568-113H	9/16	3/4	3/32	-113	.549 ±.005	.103 ±.003	50
568-114H	5/8	13/16	3/32	-114	.612 ±.009	.103 ±.003	50
568-115H	11/16	7/8	3/32	-115	.674 ±.009	.103 ±.003	25
568-116H	3/4	15/16	3/32	-116	.737 ±.009	.103 ±.003	25
568-117H	13/16	1	3/32	-117	.799 ±.010	.103 ±.003	25

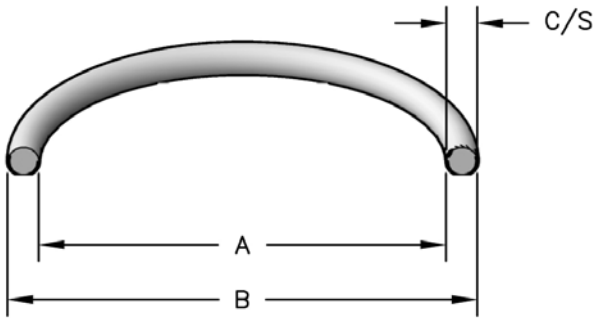
STYLE 568, 70 DURO HNBR O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-118H	7/8	1-1/16	3/32	-118	.862 ±.010	.103 ±.003	25
568-119H	15/16	1-1/8	3/32	-119	.924 ±.010	.103 ±.003	25
568-120H	1	1-3/16	3/32	-120	.987 ±.010	.103 ±.003	25
568-121H	1-1/16	1-1/4	3/32	-121	1.049 ±.010	.103 ±.003	25
568-123H	1-3/16	1-3/8	3/32	-123	1.174 ±.012	.103 ±.003	25
568-124H	1-1/4	1-7/16	3/32	-124	1.237 ±.012	.103 ±.003	25
568-125H	1-5/16	1-1/2	3/32	-125	1.299 ±.012	.103 ±.003	20
568-126H	1-3/8	1-9/16	3/32	-126	1.362 ±.012	.103 ±.003	20
568-127H	1-7/16	1-5/8	3/32	-127	1.424 ±.012	.103 ±.003	20
568-128H	1-1/2	1-11/16	3/32	-128	1.487 ±.012	.103 ±.003	20
568-129H	1-9/16	1-3/4	3/32	-129	1.549 ±.015	.103 ±.003	20
568-131H	1-11/16	1-7/8	3/32	-131	1.674 ±.015	.103 ±.003	15
568-132H	1-3/4	1-15/16	3/32	-132	1.737 ±.015	.103 ±.003	15
568-136H	2	2-3/16	3/32	-136	1.987 ±.017	.103 ±.003	10
568-137H	2-1/16	2-1/4	3/32	-137	2.050 ±.017	.103 ±.003	10
568-138H	2-1/8	2-5/16	3/32	-138	2.112 ±.017	.103 ±.003	10
568-141H	2-5/16	2-1/2	3/32	-141	2.300 ±.020	.103 ±.003	10
568-144H	2-1/2	2-11/16	3/32	-144	2.487 ±.020	.103 ±.003	10
568-146H	2-5/8	2-13/16	3/32	-146	2.612 ±.020	.103 ±.003	10
568-151H	3	3-3/16	3/32	-151	2.987 ±.024	.103 ±.003	5
568-155H	4	4-3/16	3/32	-155	3.987 ±.028	.103 ±.003	5
568-159H	5	5-3/16	3/32	-159	4.987 ±.035	.103 ±.003	3
568-165H	6-1/2	6-11/16	3/32	-165	6.487 ±.040	.103 ±.003	3
				1/8" C/S			
568-204H	3/8	5/8	1/8	-204	.359 ±.005	.139 ±.004	25
568-210H	3/4	1	1/8	-210	.734 ±.010	.139 ±.004	25
568-211H	13/16	1-1/16	1/8	-211	.796 ±.010	.139 ±.004	25
568-212H	7/8	1-1/8	1/8	-212	.859 ±.010	.139 ±.004	25
568-213H	15/16	1-3/16	1/8	-213	.921 ±.010	.139 ±.004	25
568-214H	1	1-1/4	1/8	-214	.984 ±.010	.139 ±.004	25
568-215H	1-1/16	1-5/16	1/8	-215	1.046 ±.010	.139 ±.004	15
568-216H	1-1/8	1-3/8	1/8	-216	1.109 ±.012	.139 ±.004	15
568-217H	1-3/16	1-7/16	1/8	-217	1.171 ±.012	.139 ±.004	15
568-218H	1-1/4	1-1/2	1/8	-218	1.234 ±.012	.139 ±.004	15
568-219H	1-5/16	1-9/16	1/8	-219	1.296 ±.012	.139 ±.004	15
568-220H	1-3/8	1-5/8	1/8	-220	1.359 ±.012	.139 ±.004	15
568-222H	1-1/2	1-3/4	1/8	-222	1.484 ±.015	.139 ±.004	10
568-223H	1-5/8	1-7/8	1/8	-223	1.609 ±.015	.139 ±.004	10
568-224H	1-3/4	2	1/8	-224	1.734 ±.015	.139 ±.004	10
568-225H	1-7/8	2-1/8	1/8	-225	1.859 ±.018	.139 ±.004	10
568-226H	2	2-1/4	1/8	-226	1.984 ±.018	.139 ±.004	10
568-227H	2-1/8	2-3/8	1/8	-227	2.109 ±.018	.139 ±.004	10
568-228H	2-1/4	2-1/2	1/8	-228	2.234 ±.020	.139 ±.004	10
568-229H	2-3/8	2-5/8	1/8	-229	2.359 ±.020	.139 ±.004	10
568-230H	2-1/2	2-3/4	1/8	-230	2.484 ±.020	.139 ±.004	10
568-231H	2-5/8	2-7/8	1/8	-231	2.609 ±.020	.139 ±.004	5
568-232H	2-3/4	3	1/8	-232	2.734 ±.024	.139 ±.004	5
568-234H	3	3-1/4	1/8	-234	2.984 ±.024	.139 ±.004	5
568-236H	3-1/4	3-1/2	1/8	-236	3.234 ±.024	.139 ±.004	5
568-237H	3-3/8	3-5/8	1/8	-237	3.359 ±.024	.139 ±.004	5
568-238H	3-1/2	3-3/4	1/8	-238	3.484 ±.024	.139 ±.004	5
568-239H	3-5/8	3-7/8	1/8	-239	3.609 ±.028	.139 ±.004	5
568-240H	3-3/4	4	1/8	-240	3.734 ±.028	.139 ±.004	5
568-242H	4	4-1/4	1/8	-242	3.984 ±.028	.139 ±.004	5
568-244H	4-1/4	4-1/2	1/8	-244	4.234 ±.030	.139 ±.004	5
568-245H	4-3/8	4-5/8	1/8	-245	4.359 ±.030	.139 ±.004	5
568-246H	4-1/2	4-3/4	1/8	-246	4.484 ±.030	.139 ±.004	3

STYLE 568, 70 DURO HNBR O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-247H	4-5/8	4-7/8	1/8	-247	4.609 ±.030	.139 ±.004	3
568-248H	4-3/4	5	1/8	-248	4.734 ±.030	.139 ±.004	3
568-251H	5-1/8	5-3/8	1/8	-251	5.109 ±.035	.139 ±.004	3
568-254H	5-1/2	5-3/4	1/8	-254	5.484 ±.035	.139 ±.004	3
568-255H	5-5/8	5-7/8	1/8	-255	5.609 ±.035	.139 ±.004	3
568-256H	5-3/4	6	1/8	-256	5.734 ±.035	.139 ±.004	3
568-257H	5-7/8	6-1/8	1/8	-257	5.859 ±.035	.139 ±.004	3
3/16" C/S							
568-328H	1-7/8	2-1/4	3/16	-328	1.850 ±.015	.210 ±.005	5
568-333H	2-1/2	2-7/8	3/16	-333	2.475 ±.020	.210 ±.005	5
568-338H	3-1/8	3-1/2	3/16	-338	3.100 ±.024	.210 ±.005	3
568-340H	3-3/8	3-3/4	3/16	-340	3.350 ±.024	.210 ±.005	3
568-343H	3-3/4	4-1/8	3/16	-343	3.725 ±.028	.210 ±.005	3
568-346H	4-1/8	4-1/2	3/16	-346	4.100 ±.028	.210 ±.005	2
568-348H	4-3/8	4-3/4	3/16	-348	4.350 ±.030	.210 ±.005	2
568-353H	5	5-3/8	3/16	-353	4.975 ±.037	.210 ±.005	2
568-363H	6-1/2	6-7/8	3/16	-363	6.475 ±.040	.210 ±.005	1
1/4" C/S							
568-439H	6-1/2	7	1/4	-439	6.475 ±.040	.275 ±.006	1

STYLE 568, 75 DURO FLUOROCARBON O-RINGS



PART NUMBERS

568 - 001 V

Prefix — Dash Number

SEAL INFORMATION

MATERIAL	BROWN FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/32" C/S						
568-001V	1/32	3/32	1/32	.029 ±.004	.040 ±.003	56
3/64" C/S						
568-002V	3/64	9/64	3/64	.042 ±.004	.050 ±.003	50
1/16" C/S						
568-003V	1/16	3/16	1/16	.056 ±.004	.060 ±.003	40
568-004V	5/64	13/64	1/16	.070 ±.005	.070 ±.003	40
568-005V	3/32	7/32	1/16	.101 ±.005	.070 ±.003	40
568-006V	1/8	1/4	1/16	.114 ±.005	.070 ±.003	40
568-007V	5/32	9/32	1/16	.145 ±.005	.070 ±.003	40
568-008V	3/16	5/16	1/16	.176 ±.005	.070 ±.003	40
568-009V	7/32	11/32	1/16	.208 ±.005	.070 ±.003	30
568-010V	1/4	3/8	1/16	.239 ±.005	.070 ±.003	30
568-011V	5/16	7/16	1/16	.301 ±.005	.070 ±.003	30
568-012V	3/8	1/2	1/16	.364 ±.005	.070 ±.003	20
568-013V	7/16	9/16	1/16	.426 ±.005	.070 ±.003	20
568-014V	1/2	5/8	1/16	.489 ±.005	.070 ±.003	20
568-015V	9/16	11/16	1/16	.551 ±.007	.070 ±.003	20
568-016V	5/8	3/4	1/16	.614 ±.009	.070 ±.003	20
568-017V	11/16	13/16	1/16	.676 ±.009	.070 ±.003	15
568-018V	3/4	7/8	1/16	.739 ±.009	.070 ±.003	15
568-019V	13/16	15/16	1/16	.801 ±.009	.070 ±.003	15
568-020V	7/8	1	1/16	.864 ±.009	.070 ±.003	15
568-021V	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	15
568-022V	1	1-1/8	1/16	.989 ±.010	.070 ±.003	15
568-023V	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	15
568-024V	1-1/8	1-1/4	1/16	1.114 ±.010	.070 ±.003	15
568-025V	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	8
568-026V	1-1/4	1-3/8	1/16	1.239 ±.011	.070 ±.003	10
568-027V	1-5/16	1-7/16	1/16	1.301 ±.011	.070 ±.003	10
568-028V	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	10
568-029V	1-1/2	1-5/8	1/16	1.489 ±.013	.070 ±.003	10
568-030V	1-5/8	1-3/4	1/16	1.614 ±.013	.070 ±.003	5
568-031V	1-3/4	1-7/8	1/16	1.739 ±.015	.070 ±.003	5
568-032V	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	5
568-033V	2	2-1/8	1/16	1.989 ±.018	.070 ±.003	5
568-034V	2-1/8	2-1/4	1/16	2.114 ±.018	.070 ±.003	3
568-035V	2-1/4	2-3/8	1/16	2.239 ±.018	.070 ±.003	3
568-036V	2-3/8	2-1/2	1/16	2.364 ±.018	.070 ±.003	3
568-037V	2-1/2	2-5/8	1/16	2.489 ±.018	.070 ±.003	3
568-038V	2-5/8	2-3/4	1/16	2.614 ±.020	.070 ±.003	3
568-039V	2-3/4	2-7/8	1/16	2.739 ±.020	.070 ±.003	3
568-040V	2-7/8	3	1/16	2.864 ±.020	.070 ±.003	3

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-041V	3	3-1/8	1/16	2.989 ±.024	.070 ±.003	3
568-042V	3-1/4	3-3/8	1/16	3.239 ±.024	.070 ±.003	3
568-043V	3-1/2	3-5/8	1/16	3.489 ±.024	.070 ±.003	3
568-044V	3-3/4	3-7/8	1/16	3.739 ±.027	.070 ±.003	3
568-045V	4	4-1/8	1/16	3.989 ±.027	.070 ±.003	2
568-046V	4-1/4	4-3/8	1/16	4.239 ±.030	.070 ±.003	2
568-047V	4-1/2	4-5/8	1/16	4.489 ±.030	.070 ±.003	2
568-048V	4-3/4	4-7/8	1/16	4.739 ±.030	.070 ±.003	2
568-049V	5	5-1/8	1/16	4.989 ±.037	.070 ±.003	2
568-050V	5-1/4	5-3/8	1/16	5.239 ±.037	.070 ±.003	1
			3/32" C/S			
568-102V	1/16	1/4	3/32	.049 ±.005	.103 ±.003	50
568-104V	1/8	5/16	3/32	.112 ±.005	.103 ±.003	15
568-105V	5/32	11/32	3/32	.143 ±.005	.103 ±.003	27
568-106V	3/16	3/8	3/32	.174 ±.005	.103 ±.003	15
568-107V	7/32	13/32	3/32	.206 ±.005	.103 ±.003	15
568-108V	1/4	7/16	3/32	.237 ±.005	.103 ±.003	15
568-109V	5/16	1/2	3/32	.299 ±.005	.103 ±.003	15
568-110V	3/8	9/16	3/32	.362 ±.005	.103 ±.003	15
568-111V	7/16	5/8	3/32	.424 ±.005	.103 ±.003	15
568-112V	1/2	11/16	3/32	.487 ±.005	.103 ±.003	15
568-113V	9/16	3/4	3/32	.549 ±.005	.103 ±.003	15
568-114V	5/8	13/16	3/32	.612 ±.009	.103 ±.003	15
568-115V	11/16	7/8	3/32	.674 ±.009	.103 ±.003	10
568-116V	3/4	15/16	3/32	.737 ±.009	.103 ±.003	10
568-117V	13/16	1	3/32	.799 ±.010	.103 ±.003	10
568-118V	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	10
568-119V	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	10
568-120V	1	1-3/16	3/32	.987 ±.010	.103 ±.003	10
568-121V	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	10
568-122V	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	10
568-123V	1-3/16	1-3/8	3/32	1.174 ±.012	.103 ±.003	10
568-124V	1-1/4	1-7/16	3/32	1.237 ±.012	.103 ±.003	10
568-125V	1-5/16	1-1/2	3/32	1.299 ±.012	.103 ±.003	5
568-126V	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	5
568-127V	1-7/16	1-5/8	3/32	1.424 ±.012	.103 ±.003	5
568-128V	1-1/2	1-11/16	3/32	1.487 ±.012	.103 ±.003	5
568-129V	1-9/16	1-3/4	3/32	1.549 ±.015	.103 ±.003	5
568-130V	1-5/8	1-13/16	3/32	1.612 ±.015	.103 ±.003	5
568-131V	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	3
568-132V	1-3/4	1-15/16	3/32	1.737 ±.015	.103 ±.003	4
568-133V	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	4
568-134V	1-7/8	2-1/16	3/32	1.862 ±.015	.103 ±.003	3
568-135V	1-15/16	2-1/8	3/32	1.925 ±.017	.103 ±.003	3
568-136V	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	3
568-137V	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	4
568-138V	2-1/8	2-5/16	3/32	2.112 ±.017	.103 ±.003	3
568-139V	2-3/16	2-3/8	3/32	2.175 ±.017	.103 ±.003	2
568-140V	2-1/4	2-7/16	3/32	2.237 ±.017	.103 ±.003	2
568-141V	2-5/16	2-1/2	3/32	2.300 ±.020	.103 ±.003	3
568-142V	2-3/8	2-9/16	3/32	2.362 ±.020	.103 ±.003	3
568-143V	2-7/16	2-5/8	3/32	2.425 ±.020	.103 ±.003	2
568-144V	2-1/2	2-11/16	3/32	2.487 ±.020	.103 ±.003	3
568-145V	2-9/16	2-3/4	3/32	2.550 ±.020	.103 ±.003	2
568-146V	2-5/8	2-13/16	3/32	2.612 ±.020	.103 ±.003	2
568-147V	2-11/16	2-7/8	3/32	2.675 ±.022	.103 ±.003	3
568-148V	2-3/4	2-15/16	3/32	2.737 ±.022	.103 ±.003	3

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-149V	2-13/16	3	3/32	2.800 ±.022	.103 ±.003	2
568-150V	2-7/8	3-1/16	3/32	2.862 ±.022	.103 ±.003	2
568-151V	3	3-3/16	3/32	2.987 ±.024	.103 ±.003	2
568-152V	3-1/4	3-7/16	3/32	3.237 ±.024	.103 ±.003	2
568-153V	3-1/2	3-11/16	3/32	3.487 ±.024	.103 ±.003	5
568-154V	3-3/4	3-15/16	3/32	3.737 ±.028	.103 ±.003	2
568-155V	4	4-3/16	3/32	3.987 ±.028	.103 ±.003	2
568-156V	4-1/4	4-7/16	3/32	4.237 ±.030	.103 ±.003	2
568-157V	4-1/2	4-11/16	3/32	4.487 ±.030	.103 ±.003	1
568-158V	4-3/4	4-15/16	3/32	4.737 ±.030	.103 ±.003	2
568-159V	5	5-3/16	3/32	4.987 ±.035	.103 ±.003	1
568-160V	5-1/4	5-7/16	3/32	5.237 ±.035	.103 ±.003	1
568-161V	5-1/2	5-11/16	3/32	5.487 ±.035	.103 ±.003	1
568-162V	5-3/4	5-15/16	3/32	5.737 ±.035	.103 ±.003	1
568-163V	6	6-3/16	3/32	5.987 ±.035	.103 ±.003	1
568-164V	6-1/4	6-7/16	3/32	6.237 ±.040	.103 ±.003	1
568-165V	6-1/2	6-11/16	3/32	6.487 ±.040	.103 ±.003	1
568-166V	6-3/4	6-15/16	3/32	6.737 ±.040	.103 ±.003	1
568-167V	7	7-3/16	3/32	6.987 ±.040	.103 ±.003	1
568-168V	7-1/4	7-7/16	3/32	7.237 ±.045	.103 ±.003	1
568-169V	7-1/2	7-11/16	3/32	7.487 ±.045	.103 ±.003	1
568-170V	7-3/4	7-15/16	3/32	7.737 ±.045	.103 ±.003	1
568-171V	8	8-3/16	3/32	7.987 ±.045	.103 ±.003	1
568-172V	8-1/4	8-7/16	3/32	8.237 ±.050	.103 ±.003	1
568-173V	8-1/2	8-11/16	3/32	8.487 ±.050	.103 ±.003	1
568-174V	8-3/4	8-15/16	3/32	8.737 ±.050	.103 ±.003	1
568-175V	9	9-3/16	3/32	8.987 ±.050	.103 ±.003	1
568-176V	9-1/4	9-7/16	3/32	9.237 ±.055	.103 ±.003	1
568-177V	9-1/2	9-11/16	3/32	9.487 ±.055	.103 ±.003	1
568-178V	9-3/4	9-15/16	3/32	9.737 ±.055	.103 ±.003	1
			1/8" C/S			
568-201V	3/16	7/16	1/8	.171 ±.005	.139 ±.004	15
568-202V	1/4	1/2	1/8	.234 ±.005	.139 ±.004	15
568-203V	5/16	9/16	1/8	.296 ±.005	.139 ±.004	10
568-204V	3/8	5/8	1/8	.359 ±.005	.139 ±.004	10
568-205V	7/16	11/16	1/8	.421 ±.005	.139 ±.004	8
568-206V	1/2	3/4	1/8	.484 ±.005	.139 ±.004	8
568-207V	9/16	13/16	1/8	.546 ±.007	.139 ±.004	10
568-208V	5/8	7/8	1/8	.609 ±.009	.139 ±.004	7
568-209V	11/16	15/16	1/8	.671 ±.009	.139 ±.004	6
568-210V	3/4	1	1/8	.734 ±.010	.139 ±.004	5
568-211V	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	5
568-212V	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	5
568-213V	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	5
568-214V	1	1-1/4	1/8	.984 ±.010	.139 ±.004	5
568-215V	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	4
568-216V	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	5
568-217V	1-3/16	1-7/16	1/8	1.171 ±.012	.139 ±.004	3
568-218V	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	3
568-219V	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	3
568-220V	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	3
568-221V	1-7/16	1-11/16	1/8	1.421 ±.012	.139 ±.004	3
568-222V	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	3
568-223V	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	3
568-224V	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	3
568-225V	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	3
568-226V	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	3

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-227V	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	2
568-228V	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	3
568-229V	2-3/8	2-5/8	1/8	2.359 ±.020	.139 ±.004	2
568-230V	2-1/2	2-3/4	1/8	2.484 ±.020	.139 ±.004	2
568-231V	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	2
568-232V	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	2
568-233V	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	2
568-234V	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	2
568-235V	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	2
568-236V	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	2
568-237V	3-3/8	3-5/8	1/8	3.359 ±.024	.139 ±.004	2
568-238V	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	2
568-239V	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	2
568-240V	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	2
568-241V	3-7/8	4-1/8	1/8	3.859 ±.028	.139 ±.004	1
568-242V	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	1
568-243-90DV	4-1/8	4-3/8	1/8	4.109 ±.028	.139 ±.004	1
568-243V	4-1/8	4-3/8	1/8	4.109 ±.028	.139 ±.004	1
568-244V	4-1/4	4-1/2	1/8	4.234 ±.030	.139 ±.004	1
568-245V	4-3/8	4-5/8	1/8	4.359 ±.030	.139 ±.004	1
568-246V	4-1/2	4-3/4	1/8	4.484 ±.030	.139 ±.004	1
568-247-90DV	4-5/8	4-7/8	1/8	4.609 ±.030	.139 ±.004	1
568-247V	4-5/8	4-7/8	1/8	4.609 ±.030	.139 ±.004	1
568-248V	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	1
568-249V	4-7/8	5-1/8	1/8	4.859 ±.035	.139 ±.004	1
568-250V	5	5-1/4	1/8	4.984 ±.035	.139 ±.004	1
568-251V	5-1/8	5-3/8	1/8	5.109 ±.035	.139 ±.004	1
568-252V	5-1/4	5-1/2	1/8	5.234 ±.035	.139 ±.004	1
568-253V	5-3/8	5-5/8	1/8	5.359 ±.035	.139 ±.004	1
568-254V	5-1/2	5-3/4	1/8	5.484 ±.035	.139 ±.004	1
568-255V	5-5/8	5-7/8	1/8	5.609 ±.035	.139 ±.004	1
568-256V	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	1
568-257V	5-7/8	6-1/8	1/8	5.859 ±.035	.139 ±.004	1
568-258V	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	1
568-259V	6-1/4	6-1/2	1/8	6.234 ±.040	.139 ±.004	1
568-260V	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	1
568-261V	6-3/4	7	1/8	6.734 ±.040	.139 ±.004	1
568-262V	7	7-1/4	1/8	6.984 ±.040	.139 ±.004	1
568-263V	7-1/4	7-1/2	1/8	7.234 ±.045	.139 ±.004	1
568-264V	7-1/2	7-3/4	1/8	7.484 ±.045	.139 ±.004	1
568-265V	7-3/4	8	1/8	7.734 ±.045	.139 ±.004	1
568-266V	8	8-1/4	1/8	7.984 ±.045	.139 ±.004	1
568-267V	8-1/4	8-1/2	1/8	8.234 ±.050	.139 ±.004	1
568-268V	8-1/2	8-3/4	1/8	8.484 ±.050	.139 ±.004	1
568-269V	8-3/4	9	1/8	8.734 ±.050	.139 ±.004	1
568-270V	9	9-1/4	1/8	8.984 ±.050	.139 ±.004	1
568-271V	9-1/4	9-1/2	1/8	9.234 ±.055	.139 ±.004	1
568-272V	9-1/2	9-3/4	1/8	9.484 ±.055	.139 ±.004	1
568-273V	9-3/4	10	1/8	9.734 ±.055	.139 ±.004	1
568-274V	10	10-1/4	1/8	9.984 ±.055	.139 ±.004	1
568-275V	10-1/2	10-3/4	1/8	10.484 ±.055	.139 ±.004	1
568-276V	11	11-1/4	1/8	10.984 ±.065	.139 ±.004	1
568-277V	11-1/2	11-3/4	1/8	11.484 ±.065	.139 ±.004	1
568-278V	12	12-1/4	1/8	11.984 ±.065	.139 ±.004	1
568-279V	13	13-1/4	1/8	12.984 ±.065	.139 ±.004	1
568-280V	14	14-1/4	1/8	13.984 ±.065	.139 ±.004	1
568-281V	15	15-1/4	1/8	14.984 ±.065	.139 ±.004	1

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-282V	16	16-1/4	1/8	15.955 ±.075	.139 ±.004	1
568-284V	18	18-1/4	1/8	17.955 ±.085	.139 ±.004	1
			3/16" C/S			
568-309V	7/16	13/16	3/16	.412 ±.005	.210 ±.005	3
568-310V	1/2	7/8	3/16	.475 ±.005	.210 ±.005	3
568-311V	9/16	15/16	3/16	.537 ±.007	.210 ±.005	3
568-312V	5/8	1	3/16	.600 ±.009	.210 ±.005	3
568-313V	11/16	1-1/16	3/16	.662 ±.009	.210 ±.005	3
568-314V	3/4	1-1/8	3/16	.725 ±.010	.210 ±.005	3
568-315V	13/16	1-3/16	3/16	.787 ±.010	.210 ±.005	3
568-316V	7/8	1-1/4	3/16	.850 ±.010	.210 ±.005	3
568-317V	15/16	1-5/16	3/16	.912 ±.010	.210 ±.005	3
568-318V	1	1-3/8	3/16	.975 ±.010	.210 ±.005	2
568-319V	1-1/16	1-7/16	3/16	1.037 ±.010	.210 ±.005	2
568-320V	1-1/8	1-1/2	3/16	1.100 ±.012	.210 ±.005	2
568-321V	1-3/16	1-9/16	3/16	1.162 ±.012	.210 ±.005	2
568-322V	1-1/4	1-5/8	3/16	1.225 ±.012	.210 ±.005	2
568-323V	1-5/16	1-11/16	3/16	1.287 ±.012	.210 ±.005	2
568-324V	1-3/8	1-3/4	3/16	1.350 ±.012	.210 ±.005	2
568-325V	1-1/2	1-7/8	3/16	1.475 ±.015	.210 ±.005	2
568-326V	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	1
568-327V	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	1
568-328V	1-7/8	2-1/4	3/16	1.850 ±.015	.210 ±.005	1
568-329V	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	1
568-330V	2-1/8	2-1/2	3/16	2.100 ±.018	.210 ±.005	1
568-331V	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	1
568-332V	2-3/8	2-3/4	3/16	2.350 ±.018	.210 ±.005	1
568-333V	2-1/2	2-7/8	3/16	2.475 ±.020	.210 ±.005	1
568-334V	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	1
568-335V	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	1
568-336V	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	1
568-337V	3	3-3/8	3/16	2.975 ±.024	.210 ±.005	1
568-338V	3-1/8	3-1/2	3/16	3.100 ±.024	.210 ±.005	1
568-339V	3-1/4	3-5/8	3/16	3.225 ±.024	.210 ±.005	1
568-340V	3-3/8	3-3/4	3/16	3.350 ±.024	.210 ±.005	1
568-341V	3-1/2	3-7/8	3/16	3.475 ±.024	.210 ±.005	1
568-342V	3-5/8	4	3/16	3.600 ±.028	.210 ±.005	1
568-343V	3-3/4	4-1/8	3/16	3.725 ±.028	.210 ±.005	1
568-344V	3-7/8	4-1/4	3/16	3.850 ±.028	.210 ±.005	1
568-345V	4	4-3/8	3/16	3.975 ±.028	.210 ±.005	1
568-346V	4-1/8	4-1/2	3/16	4.100 ±.028	.210 ±.005	1
568-347V	4-1/4	4-5/8	3/16	4.225 ±.030	.210 ±.005	1
568-348V	4-3/8	4-3/4	3/16	4.350 ±.030	.210 ±.005	1
568-349V	4-1/2	4-7/8	3/16	4.475 ±.030	.210 ±.005	1
568-350V	4-5/8	5	3/16	4.600 ±.030	.210 ±.005	1
568-351V	4-3/4	5-1/8	3/16	4.725 ±.030	.210 ±.005	1
568-352V	4-7/8	5-1/4	3/16	4.850 ±.030	.210 ±.005	1
568-353V	5	5-3/8	3/16	4.975 ±.037	.210 ±.005	1
568-354V	5-1/8	5-1/2	3/16	5.100 ±.037	.210 ±.005	1
568-355V	5-1/4	5-5/8	3/16	5.225 ±.037	.210 ±.005	1
568-356V	5-3/8	5-3/4	3/16	5.350 ±.037	.210 ±.005	1
568-357V	5-1/2	5-7/8	3/16	5.475 ±.037	.210 ±.005	1
568-358V	5-5/8	6	3/16	5.600 ±.037	.210 ±.005	1
568-359V	5-3/4	6-1/8	3/16	5.725 ±.037	.210 ±.005	1
568-360V	5-7/8	6-1/4	3/16	5.850 ±.037	.210 ±.005	1
568-361V	6	6-3/8	3/16	5.975 ±.037	.210 ±.005	1
568-362V	6-1/4	6-5/8	3/16	6.225 ±.040	.210 ±.005	1

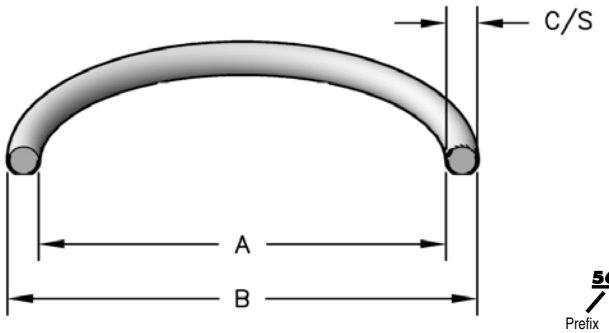
STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-363V	6-1/2	6-7/8	3/16	6.475 ±.040	.210 ±.005	1
568-364V	6-3/4	7-1/8	3/16	6.725 ±.040	.210 ±.005	1
568-365V	7	7-3/8	3/16	6.975 ±.040	.210 ±.005	1
568-366V	7-1/4	7-5/8	3/16	7.225 ±.045	.210 ±.005	1
568-367V	7-1/2	7-7/8	3/16	7.475 ±.045	.210 ±.005	1
568-368V	7-3/4	8-1/8	3/16	7.725 ±.045	.210 ±.005	1
568-369V	8	8-3/8	3/16	7.975 ±.045	.210 ±.005	1
568-370V	8-1/4	8-5/8	3/16	8.225 ±.050	.210 ±.005	1
568-371V	8-1/2	8-7/8	3/16	8.475 ±.050	.210 ±.005	1
568-373V	9	9-3/8	3/16	8.975 ±.050	.210 ±.005	1
568-374V	9-1/4	9-5/8	3/16	9.225 ±.055	.210 ±.005	1
568-375V	9-1/2	9-7/8	3/16	9.475 ±.055	.210 ±.005	1
568-376V	9-3/4	10-1/8	3/16	9.725 ±.055	.210 ±.005	1
568-377V	10	10-3/8	3/16	9.975 ±.055	.210 ±.005	1
568-378V	10-1/2	10-7/8	3/16	10.475 ±.060	.210 ±.005	1
568-379V	11	11-3/8	3/16	10.975 ±.060	.210 ±.005	1
568-380V	11-1/2	11-7/8	3/16	11.475 ±.065	.210 ±.005	1
568-381V	12	12-3/8	3/16	11.975 ±.065	.210 ±.005	1
568-382V	13	13-3/8	3/16	12.975 ±.065	.210 ±.005	1
568-383V	14	14-3/8	3/16	13.975 ±.070	.210 ±.005	1
568-384V	15	15-3/8	3/16	14.975 ±.070	.210 ±.005	1
568-385V	16	16-3/8	3/16	15.955 ±.075	.210 ±.005	1
568-386V	17	17-3/8	3/16	16.955 ±.080	.210 ±.005	1
568-388V	19	19-3/8	3/16	18.955 ±.090	.210 ±.005	1
568-389V	20	20-3/8	3/16	19.955 ±.095	.210 ±.005	1
568-390V	21	21-3/8	3/16	20.955 ±.095	.210 ±.005	1
568-392V	23	23-3/8	3/16	22.940 ±.105	.210 ±.005	1
1/4" C/S						
568-425V	4-1/2	5	1/4	4.475 ±.033	.275 ±.006	1
568-426V	4-5/8	5-1/8	1/4	4.600 ±.033	.275 ±.006	1
568-427V	4-3/4	5-1/4	1/4	4.725 ±.033	.275 ±.006	1
568-428V	4-7/8	5-3/8	1/4	4.850 ±.033	.275 ±.006	1
568-429V	5	5-1/2	1/4	4.975 ±.037	.275 ±.006	1
568-430V	5-1/8	5-5/8	1/4	5.100 ±.037	.275 ±.006	1
568-431V	5-1/4	5-3/4	1/4	5.225 ±.037	.275 ±.006	1
568-432V	5-3/8	5-7/8	1/4	5.350 ±.037	.275 ±.006	1
568-433V	5-1/2	6	1/4	5.475 ±.037	.275 ±.006	1
568-434V	5-5/8	6-1/8	1/4	5.600 ±.037	.275 ±.006	1
568-435V	5-3/4	6-1/4	1/4	5.725 ±.037	.275 ±.006	1
568-436V	5-7/8	6-3/8	1/4	5.850 ±.037	.275 ±.006	1
568-437V	6	6-1/2	1/4	5.975 ±.037	.275 ±.006	1
568-438V	6-1/4	6-3/4	1/4	6.225 ±.040	.275 ±.006	1
568-439V	6-1/2	7	1/4	6.475 ±.040	.275 ±.006	1
568-440V	6-3/4	7-1/4	1/4	6.725 ±.040	.275 ±.006	1
568-441V	7	7-1/2	1/4	6.975 ±.040	.275 ±.006	1
568-442V	7-1/4	7-3/4	1/4	7.225 ±.045	.275 ±.006	1
568-443V	7-1/2	8	1/4	7.475 ±.045	.275 ±.006	1
568-444V	7-3/4	8-1/4	1/4	7.725 ±.045	.275 ±.006	1
568-445V	8	8-1/2	1/4	7.975 ±.045	.275 ±.006	1
568-446V	8-1/2	9	1/4	8.475 ±.055	.275 ±.006	1
568-447V	9	9-1/2	1/4	8.975 ±.055	.275 ±.006	1
568-448V	9-1/2	10	1/4	9.475 ±.055	.275 ±.006	1
568-449V	10	10-1/2	1/4	9.975 ±.055	.275 ±.006	1
568-450V	10-1/2	11	1/4	10.475 ±.060	.275 ±.006	1
568-451V	11	11-1/2	1/4	10.975 ±.060	.275 ±.006	1
568-452V	11-1/2	12	1/4	11.475 ±.060	.275 ±.006	1
568-453V	12	12-1/2	1/4	11.975 ±.060	.275 ±.006	1

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-454V	12-1/2	13	1/4	12.475 ±.060	.275 ±.006	1
568-455V	13	13-1/2	1/4	12.975 ±.060	.275 ±.006	1
568-456V	13-1/2	14	1/4	13.475 ±.070	.275 ±.006	1
568-457V	14	14-1/2	1/4	13.975 ±.070	.275 ±.006	1
568-458V	14-1/2	15	1/4	14.475 ±.070	.275 ±.006	1
568-459V	15	15-1/2	1/4	14.975 ±.070	.275 ±.006	1
568-460V	15-1/2	16	1/4	15.475 ±.070	.275 ±.006	1
568-464V	17-1/2	18	1/4	17.455 ±.085	.275 ±.006	1
568-465V	18	18-1/2	1/4	17.955 ±.085	.275 ±.006	1
568-466V	18-1/2	19	1/4	18.455 ±.085	.275 ±.006	1
568-468V	19-1/2	20	1/4	19.455 ±.090	.275 ±.006	1
568-473V	24	24-1/2	1/4	23.940 ±.110	.275 ±.006	1
568-475V	26	26-1/2	1/4	25.940 ±.120	.275 ±.006	1

STYLE 568, 75 DURO FLUOROCARBON O-RINGS



PART NUMBERS

568 - 007 V - BLACK

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BLACK FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-007V-BLACK	5/32	9/32	1/16	.145 ±.005	.070 ±.003	40
568-008V-BLACK	3/16	5/16	1/16	.176 ±.005	.070 ±.003	40
568-010V-BLACK	1/4	3/8	1/16	.239 ±.005	.070 ±.003	30
568-011V-BLACK	5/16	7/16	1/16	.301 ±.005	.070 ±.003	30
568-012V-BLACK	3/8	1/2	1/16	.364 ±.005	.070 ±.003	20
568-014V-BLACK	1/2	5/8	1/16	.489 ±.005	.070 ±.003	20
568-015V-BLACK	9/16	11/16	1/16	.551 ±.007	.070 ±.003	20
568-016V-BLACK	5/8	3/4	1/16	.614 ±.009	.070 ±.003	20
568-020V-BLACK	7/8	1	1/16	.864 ±.009	.070 ±.003	20
568-021V-BLACK	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	20
568-032V-BLACK	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	10
3/32" C/S						
568-110V-BLACK	3/8	9/16	3/32	.362 ±.005	.103 ±.003	15
568-111V-BLACK	7/16	5/8	3/32	.424 ±.005	.103 ±.003	15
568-112V-BLACK	1/2	11/16	3/32	.487 ±.005	.103 ±.003	15
568-113V-BLACK	9/16	3/4	3/32	.549 ±.005	.103 ±.003	15
568-114V-BLACK	5/8	13/16	3/32	.612 ±.009	.103 ±.003	15
568-115V-BLACK	11/16	7/8	3/32	.674 ±.009	.103 ±.003	15
568-116V-BLACK	3/4	15/16	3/32	.737 ±.009	.103 ±.003	10
568-119V-BLACK	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	10
568-125V-BLACK	1-5/16	1-1/2	3/32	1.299 ±.012	.103 ±.003	5
568-129V-BLACK	1-9/16	1-3/4	3/32	1.549 ±.015	.103 ±.003	5
568-136V-BLACK	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	3
568-145V-BLACK	2-9/16	2-3/4	3/32	2.550 ±.020	.103 ±.003	2
568-146V-BLACK	2-5/8	2-13/16	3/32	2.612 ±.020	.103 ±.003	2
568-151V-BLACK	3	3-3/16	3/32	2.987 ±.024	.103 ±.003	2
568-161V-BLACK	5-1/2	5-11/16	3/32	5.487 ±.035	.103 ±.003	2
568-162V-BLACK	5-3/4	5-15/16	3/32	5.737 ±.035	.103 ±.003	2
568-163V-BLACK	6	6-3/16	3/32	5.987 ±.035	.103 ±.003	2
1/8" C/S						
568-208V-BLACK	5/8	7/8	1/8	.609 ±.009	.139 ±.004	5
568-210V-BLACK	3/4	1	1/8	.734 ±.010	.139 ±.004	5
568-211V-BLACK	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	5
568-213V-BLACK	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	5
568-214V-BLACK	1	1-1/4	1/8	.984 ±.010	.139 ±.004	5
568-218V-BLACK	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	5
568-220V-BLACK	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	3
568-222V-BLACK	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	3
568-228V-BLACK	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	3
568-231V-BLACK	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	2
568-233V-BLACK	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	2
568-236V-BLACK	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	2

STYLE 568, 75 DURO FLUOROCARBON O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-237V-BLACK	3-3/8	3-5/8	1/8	3.359 ±.024	.139 ±.004	2
568-238V-BLACK	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	2
568-240V-BLACK	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	1
568-241V-BLACK	3-7/8	4-1/8	1/8	3.859 ±.028	.139 ±.004	1
568-245V-BLACK	4-3/8	4-5/8	1/8	4.359 ±.030	.139 ±.004	1
568-248V-BLACK	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	1
568-256V-BLACK	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	1
3/16" C/S						
568-331V-BLACK	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	1
568-334V-BLACK	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	1
568-335V-BLACK	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	1
568-336V-BLACK	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	1
568-354V-BLACK	5-1/8	5-1/2	3/16	5.100 ±.037	.210 ±.005	1
568-360V-BLACK	5-7/8	6-1/4	3/16	5.850 ±.037	.210 ±.005	1
568-368V-BLACK	7-3/4	8-1/8	3/16	7.725 ±.045	.210 ±.005	1

STYLE 568, 75 DURO FLUOROCARBON O-RING CORD

NOTE: Cord is Black fluorocarbon.
See O-Ring Kit section for splicing Information.
Sold by the foot.

PART NUMBERS

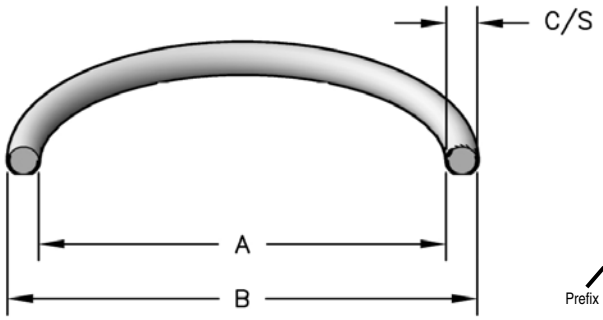
568 - 062 V

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BLACK FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	Nom. Cross Section	CROSS SECTION
568C-062V	1/16	.070 ±.006
568C-093V	3/32	.103 ±.007
568C-125V	1/8	.139 ±.007
568C-187V	3/16	.210 ±.008
568C-250V	1/4	.275 ±.008

STYLE 568, 90 DURO FLUOROCARBON O-RINGS



PART NUMBERS

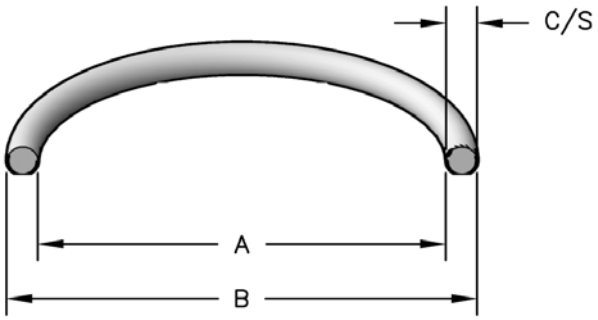
568 - 011 - 90DV

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-011-90DV	5/16	7/16	1/16	.301 ±.005	.070 ±.003	15
568-012-90DV	3/8	1/2	1/16	.364 ±.005	.070 ±.003	15
568-014-90DV	1/2	5/8	1/16	.489 ±.005	.070 ±.003	10
568-015-90DV	9/16	11/16	1/16	.551 ±.007	.070 ±.003	15
568-016-90DV	5/8	3/4	1/16	.614 ±.009	.070 ±.003	15
568-017-90DV	11/16	13/16	1/16	.676 ±.009	.070 ±.003	15
568-018-90DV	3/4	7/8	1/16	.739 ±.009	.070 ±.003	15
568-019-90DV	13/16	15/16	1/16	.801 ±.009	.070 ±.003	15
568-020-90DV	7/8	1	1/16	.864 ±.009	.070 ±.003	15
568-021-90DV	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	15
568-022-90DV	1	1-1/8	1/16	.989 ±.010	.070 ±.003	15
568-025-90DV	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	15
3/32" C/S						
568-109-90DV	5/16	1/2	3/32	.299 ±.005	.103 ±.003	15
568-113-90DV	9/16	3/4	3/32	.549 ±.005	.103 ±.003	15
568-121-90DV	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	1
568-131-90DV	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	1
568-159-90DV	5	5-3/16	3/32	4.987 ±.035	.103 ±.003	1
1/8" C/S						
568-214-90DV	1	1-1/4	1/8	.984 ±.010	.139 ±.004	3
568-215-90DV-BLACK	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	1
568-218-90DV	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	2
568-223-90DV	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	2
568-224-90DV	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	2
568-226-90DV	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	2
568-227-90DV	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	2
568-232-90DV	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	3
568-233-90DV	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	3
568-239-90DV	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	2
568-240-90DV	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	1
568-246-90DV	4-1/2	4-3/4	1/8	4.484 ±.030	.139 ±.004	1
568-254-90DV	5-1/2	5-3/4	1/8	5.484 ±.035	.139 ±.004	1
568-260-90DV	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	1
568-264-90DV	7-1/2	7-3/4	1/8	7.484 ±.045	.139 ±.004	1
568-272-90DV	9-1/2	9-3/4	1/8	9.484 ±.055	.139 ±.004	1
568-277-90DV	11-1/2	11-3/4	1/8	11.484 ±.065	.139 ±.004	1
3/16" C/S						
568-334-90DV	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	1
568-363-90DV	6-1/2	6-7/8	3/16	6.475 ±.040	.210 ±.005	1
568-364-90DV	6-3/4	7-1/8	3/16	6.725 ±.040	.210 ±.005	1
1/4" C/S						
568-433-90DV	5-1/2	6	1/4	5.475 ±.037	.275 ±.006	1

STYLE 568, 90 DURO FLUOROCARBON BOSS O-RINGS



PART NUMBERS

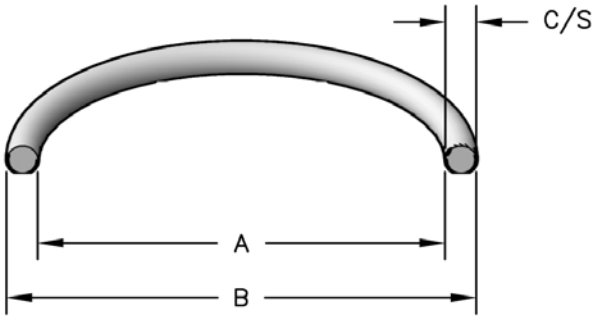
568 - 901 V

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-901V	.185 ±.005	.056 ±.003	10
568-902V	.239 ±.005	.064 ±.003	10
568-903V	.301 ±.005	.064 ±.003	10
568-904V	.351 ±.005	.072 ±.003	10
568-905V	.414 ±.005	.072 ±.003	10
568-906V	.468 ±.005	.078 ±.003	10
568-907V	.530 ±.005	.082 ±.003	10
568-908V	.644 ±.009	.087 ±.003	10
568-909V	.706 ±.009	.097 ±.003	10
568-910V	.755 ±.009	.097 ±.003	10
568-911V	.863 ±.009	.116 ±.004	5
568-912V	.924 ±.009	.116 ±.004	5
568-913V	.986 ±.010	.116 ±.004	5
568-914V	1.047 ±.010	.116 ±.004	3
568-916V	1.171 ±.010	.116 ±.004	3
568-918V	1.355 ±.012	.116 ±.004	3
568-920V	1.475 ±.012	.118 ±.004	3
568-924V	1.720 ±.014	.118 ±.004	2
568-924V-BLACK	1.720 ±.014	.118 ±.004	2
568-928V	2.090 ±.018	.118 ±.004	2
568-932V	2.337 ±.018	.118 ±.004	2

STYLE 568 70A & 90A DURO ETHYLENE PROPYLENE O-RINGS



PART NUMBERS

568 - 008 EP

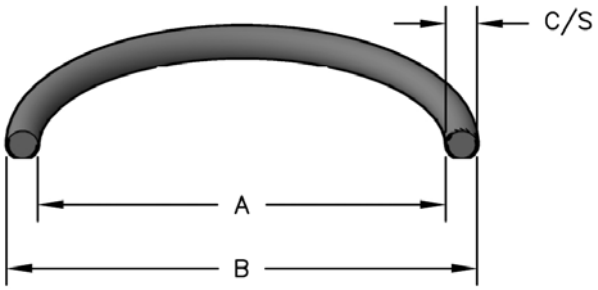
Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	ETHYLENE PROPYLENE
TEMPERATURE RANGE	-65° TO +300° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

NOTE: This compound is NOT D.O.T. certified for brake system use.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-008EP	3/16	5/16	1/16	.176 ±.005	.070 ±.003	14
568-010EP	1/4	3/8	1/16	.239 ±.005	.070 ±.003	12
568-011EP	5/16	7/16	1/16	.301 ±.005	.070 ±.003	12
568-012EP	3/8	1/2	1/16	.364 ±.005	.070 ±.003	12
568-013EP	7/16	9/16	1/16	.426 ±.005	.070 ±.003	8
568-014EP	1/2	5/8	1/16	.489 ±.005	.070 ±.003	6
568-015EP	9/16	11/16	1/16	.551 ±.007	.070 ±.003	10
568-018EP	3/4	7/8	1/16	.739 ±.009	.070 ±.003	6
3/32" C/S						
568-110EP	3/8	9/16	3/32	.362 ±.005	.103 ±.003	10
568-111EP	7/16	5/8	3/32	.424 ±.005	.103 ±.003	10
568-112EP	1/2	11/16	3/32	.487 ±.005	.103 ±.003	8
568-113EP	9/16	3/4	3/32	.549 ±.005	.103 ±.003	8
568-114EP	5/8	13/16	3/32	.612 ±.009	.103 ±.003	8
568-115EP	11/16	7/8	3/32	.674 ±.009	.103 ±.003	8
568-116EP	3/4	15/16	3/32	.737 ±.009	.103 ±.003	8
568-126-90DEP	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	5
1/8" C/S						
568-210EP	3/4	1	1/8	.734 ±.010	.139 ±.004	8
568-212EP	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	5
568-214EP	1	1-1/4	1/8	.984 ±.010	.139 ±.004	6
568-215EP	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	6
568-218EP	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	5
568-220EP	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	5
568-222EP	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	5
568-238EP	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	1
568-248EP	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	3
3/16" C/S						
568-327EP	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	5

STYLE 568, 70A DURO SILICONE O-RINGS



PART NUMBERS

568 - 008 S

Prefix — Dash Number

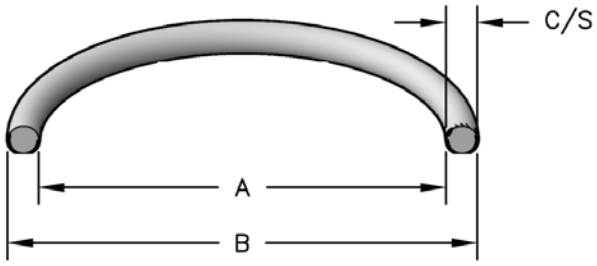
SEAL INFORMATION	
MATERIAL	SILICONE
TEMPERATURE RANGE	-70° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-008S	3/16	5/16	1/16	.176 ±.005	.070 ±.003	50
568-010S	1/4	3/8	1/16	.239 ±.005	.070 ±.003	20
568-011S	5/16	7/16	1/16	.301 ±.005	.070 ±.003	20
568-012S	3/8	1/2	1/16	.364 ±.005	.070 ±.003	20
568-013S	7/16	9/16	1/16	.426 ±.005	.070 ±.003	20
568-014S	1/2	5/8	1/16	.489 ±.005	.070 ±.003	12
568-015S	9/16	11/16	1/16	.551 ±.007	.070 ±.003	20
568-016S	5/8	3/4	1/16	.614 ±.009	.070 ±.003	12
568-018S	3/4	7/8	1/16	.739 ±.009	.070 ±.003	12
568-025S	1-3/16	1-5/16	1/16	1.176 ±.011	.070 ±.003	11
568-028S	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	11
568-042S	3-1/4	3-3/8	1/16	3.239 ±.024	.070 ±.003	10
3/32" C/S						
568-108S	1/4	7/16	3/32	.237 ±.005	.103 ±.003	12
568-110S	3/8	9/16	3/32	.362 ±.005	.103 ±.003	12
568-111S	7/16	5/8	3/32	.424 ±.005	.103 ±.003	12
568-112S	1/2	11/16	3/32	.487 ±.005	.103 ±.003	12
568-113S	9/16	3/4	3/32	.549 ±.005	.103 ±.003	14
568-115S	11/16	7/8	3/32	.674 ±.009	.103 ±.003	13
568-116S	3/4	15/16	3/32	.737 ±.009	.103 ±.003	12
568-117S	13/16	1	3/32	.799 ±.010	.103 ±.003	11
568-118S	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	10
568-120S	1	1-3/16	3/32	.987 ±.010	.103 ±.003	8
1/8" C/S						
568-210S	3/4	1	1/8	.734 ±.010	.139 ±.004	10
568-211S	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	9
568-212S	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	8
568-213S	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	7
568-214S	1	1-1/4	1/8	.984 ±.010	.139 ±.004	7
568-215S	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	6
568-216S	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	6
568-218S	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	6
568-219S	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	6
568-220S	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	5
568-222S	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	8
568-223S	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	5
568-224S	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	5
568-226S	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	4
568-227S	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	4
568-228S	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	4
568-231S	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	3

STYLE 568, 70A DURO SILICONE O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-232S	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	3
568-238S	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	3
568-239S	3-5/8	3-7/8	1/8	3.609 ±.028	.139 ±.004	2
568-240S	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	2
568-248S	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	2
568-258S	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	5
568-265S	7-3/4	8	1/8	7.734 ±.045	.139 ±.004	1
3/16" C/S						
568-320S	1-1/8	1-1/2	3/16	1.100 ±.012	.210 ±.005	5
568-325S	1-1/2	1-7/8	3/16	1.475 ±.015	.210 ±.005	4
568-326S	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	4
568-329S	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	3
568-334S	2-5/8	3	3/16	2.600 ±.020	.210 ±.005	3
568-367S	7-1/2	7-7/8	3/16	7.475 ±.045	.210 ±.005	1
1/4" C/S						
568-445S	8	8-1/2	1/4	7.975 ±.045	.275 ±.006	1

STYLE 568, 55 - 58 SHORE D PTFE O-RING



PART NUMBERS

568 - 006 T

Prefix — Dash Number

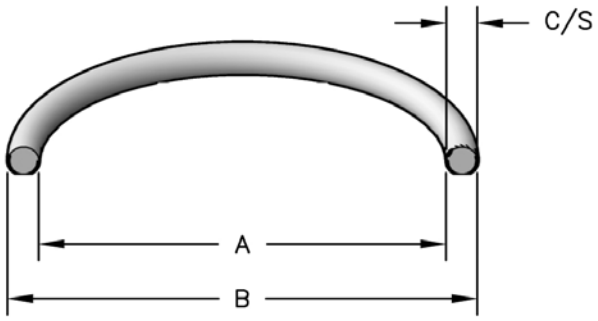
SEAL INFORMATION	
MATERIAL	55 - 58 SHORE D PTFE
TEMPERATURE RANGE	-100° TO +500° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-006T	1/8	1/4	1/16	.114 ±.005	.070 ±.003	7
568-009T	7/32	11/32	1/16	.208 ±.005	.070 ±.003	6
568-010T	1/4	3/8	1/16	.239 ±.005	.070 ±.003	5
568-011T	5/16	7/16	1/16	.301 ±.005	.070 ±.003	5
568-012T	3/8	1/2	1/16	.364 ±.005	.070 ±.003	5
568-013T	7/16	9/16	1/16	.426 ±.005	.070 ±.003	6
568-014T	1/2	5/8	1/16	.489 ±.005	.070 ±.003	5
568-015T	9/16	11/16	1/16	.551 ±.007	.070 ±.003	5
568-016T	5/8	3/4	1/16	.614 ±.009	.070 ±.003	4
568-018T	3/4	7/8	1/16	.739 ±.009	.070 ±.003	4
568-020T	7/8	1	1/16	.864 ±.009	.070 ±.003	4
568-021T	15/16	1-1/16	1/16	.926 ±.009	.070 ±.003	3

STYLE 568, 55 - 58 SHORE D PTFE O-RING

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
568-022T	1	1-1/8	1/16	.989 ±.010	.070 ±.003	3
568-023T	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	3
568-024T	1-1/8	1-1/4	1/16	1.114 ±.010	.070 ±.003	3
568-026T	1-1/4	1-3/8	1/16	1.239 ±.011	.070 ±.003	3
568-028T	1-3/8	1-1/2	1/16	1.364 ±.013	.070 ±.003	2
568-029T	1-1/2	1-5/8	1/16	1.489 ±.013	.070 ±.003	2
568-030T	1-5/8	1-3/4	1/16	1.614 ±.013	.070 ±.003	2
568-032T	1-7/8	2	1/16	1.864 ±.015	.070 ±.003	2
3/32" C/S						
568-109T	5/16	1/2	3/32	.299 ±.005	.103 ±.003	5
568-110T	3/8	9/16	3/32	.362 ±.005	.103 ±.003	5
568-111T	7/16	5/8	3/32	.424 ±.005	.103 ±.003	5
568-112T	1/2	11/16	3/32	.487 ±.005	.103 ±.003	4
568-114T	5/8	13/16	3/32	.612 ±.009	.103 ±.003	4
568-115T	11/16	7/8	3/32	.674 ±.009	.103 ±.003	4
568-116T	3/4	15/16	3/32	.737 ±.009	.103 ±.003	4
568-117T	13/16	1	3/32	.799 ±.010	.103 ±.003	4
568-121T	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	4
568-122T	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	4
568-126T	1-3/8	1-9/16	3/32	1.362 ±.012	.103 ±.003	3
568-132T	1-3/4	1-15/16	3/32	1.737 ±.015	.103 ±.003	2
568-133T	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	2
568-137T	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	2
568-142T	2-3/8	2-9/16	3/32	2.362 ±.020	.103 ±.003	2
1/8" C/S						
568-210T	3/4	1	1/8	.734 ±.010	.139 ±.004	3
568-212T	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	2
568-213T	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	3
568-214T	1	1-1/4	1/8	.984 ±.010	.139 ±.004	3
568-215T	1-1/16	1-5/16	1/8	1.046 ±.010	.139 ±.004	3
568-218T	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	1
568-219T	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	2
568-220T	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	2
568-223T	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	2
568-224T	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	2
568-225T	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	2
568-226T	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	2
568-228T	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	1
568-229T	2-3/8	2-5/8	1/8	2.359 ±.020	.139 ±.004	1
568-231T	2-5/8	2-7/8	1/8	2.609 ±.020	.139 ±.004	1
568-232T	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	1
568-234T	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	1
568-235T	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	1
568-236T	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	1
568-240T	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	1
568-242T	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	1
568-248T	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	1
568-258T	6	6-1/4	1/8	5.984 ±.035	.139 ±.004	1
568-273T	9-3/4	10	1/8	9.734 ±.055	.139 ±.004	1
3/16" C/S						
568-326T	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	1
568-327T	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	1
568-342T	3-5/8	4	3/16	3.600 ±.028	.210 ±.005	1

STYLE 568, 90 DURO URETHANE O-RINGS



PART NUMBERS

568 - 006 U

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

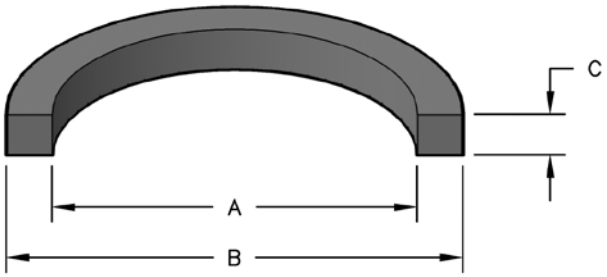
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/16" C/S						
568-006U	1/8	1/4	1/16	.114 ±.005	.070 ±.003	4
568-008U	3/16	5/16	1/16	.176 ±.005	.070 ±.003	3
568-009U	7/32	11/32	1/16	.208 ±.005	.070 ±.003	3
568-010U	1/4	3/8	1/16	.239 ±.005	.070 ±.003	3
568-011U	5/16	7/16	1/16	.301 ±.005	.070 ±.003	3
568-012U	3/8	1/2	1/16	.364 ±.005	.070 ±.003	3
568-013U	7/16	9/16	1/16	.426 ±.005	.070 ±.003	3
568-014U	1/2	5/8	1/16	.489 ±.005	.070 ±.003	3
568-014U-70D	1/2	5/8	1/16	.489 ±.005	.070 ±.003	3
568-015U	9/16	11/16	1/16	.551 ±.007	.070 ±.003	1
568-016U	5/8	3/4	1/16	.614 ±.009	.070 ±.003	3
568-016U-70D	5/8	3/4	1/16	.614 ±.009	.070 ±.003	3
568-017U	11/16	13/16	1/16	.676 ±.009	.070 ±.003	3
568-018U	3/4	7/8	1/16	.739 ±.009	.070 ±.003	3
568-020U	7/8	1	1/16	.864 ±.009	.070 ±.003	3
568-022U	1	1-1/8	1/16	.989 ±.010	.070 ±.003	3
568-023U	1-1/16	1-3/16	1/16	1.051 ±.010	.070 ±.003	3
568-031U	1-3/4	1-7/8	1/16	1.739 ±.015	.070 ±.003	2
3/32" C/S						
568-110U	3/8	9/16	3/32	.362 ±.005	.103 ±.003	2
568-111U	7/16	5/8	3/32	.424 ±.005	.103 ±.003	2
568-112U	1/2	11/16	3/32	.487 ±.005	.103 ±.003	3
568-113U	9/16	3/4	3/32	.549 ±.005	.103 ±.003	2
568-114U	5/8	13/16	3/32	.612 ±.009	.103 ±.003	2
568-115U	11/16	7/8	3/32	.674 ±.009	.103 ±.003	2
568-116U	3/4	15/16	3/32	.737 ±.009	.103 ±.003	2
568-117U	13/16	1	3/32	.799 ±.010	.103 ±.003	2
568-118U	7/8	1-1/16	3/32	.862 ±.010	.103 ±.003	2
568-119U	15/16	1-1/8	3/32	.924 ±.010	.103 ±.003	2
568-120U	1	1-3/16	3/32	.987 ±.010	.103 ±.003	2
568-121U	1-1/16	1-1/4	3/32	1.049 ±.010	.103 ±.003	2
568-122U	1-1/8	1-5/16	3/32	1.112 ±.010	.103 ±.003	2
568-123U	1-3/16	1-3/8	3/32	1.174 ±.012	.103 ±.003	2
568-124U	1-1/4	1-7/16	3/32	1.237 ±.012	.103 ±.003	2
568-130U	1-5/8	1-13/16	3/32	1.612 ±.015	.103 ±.003	1
568-131U	1-11/16	1-7/8	3/32	1.674 ±.015	.103 ±.003	2
568-133U	1-13/16	2	3/32	1.799 ±.015	.103 ±.003	2
568-134U	1-7/8	2-1/16	3/32	1.862 ±.015	.103 ±.003	1
568-136U	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	N/A
568-136U-70D	2	2-3/16	3/32	1.987 ±.017	.103 ±.003	2
568-137U	2-1/16	2-1/4	3/32	2.050 ±.017	.103 ±.003	2
568-148U	2-3/4	2-15/16	3/32	2.737 ±.022	.103 ±.003	1

STYLE 568, 90 DURO URETHANE O-RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	CROSS SECTION	Package Quantity
1/8" C/S						
568-206U	1/2	3/4	1/8	.484 ±.005	.139 ±.004	3
568-210U	3/4	1	1/8	.734 ±.010	.139 ±.004	3
568-211U	13/16	1-1/16	1/8	.796 ±.010	.139 ±.004	2
568-213U	15/16	1-3/16	1/8	.921 ±.010	.139 ±.004	2
568-216U	1-1/8	1-3/8	1/8	1.109 ±.012	.139 ±.004	2
568-218U	1-1/4	1-1/2	1/8	1.234 ±.012	.139 ±.004	2
568-219U	1-5/16	1-9/16	1/8	1.296 ±.012	.139 ±.004	2
568-220U	1-3/8	1-5/8	1/8	1.359 ±.012	.139 ±.004	2
568-221U	1-7/16	1-11/16	1/8	1.421 ±.012	.139 ±.004	2
568-222U	1-1/2	1-3/4	1/8	1.484 ±.015	.139 ±.004	2
568-223U	1-5/8	1-7/8	1/8	1.609 ±.015	.139 ±.004	2
568-224U	1-3/4	2	1/8	1.734 ±.015	.139 ±.004	2
568-225U	1-7/8	2-1/8	1/8	1.859 ±.018	.139 ±.004	1
568-226U	2	2-1/4	1/8	1.984 ±.018	.139 ±.004	2
568-227U	2-1/8	2-3/8	1/8	2.109 ±.018	.139 ±.004	2
568-228U	2-1/4	2-1/2	1/8	2.234 ±.020	.139 ±.004	2
568-230U	2-1/2	2-3/4	1/8	2.484 ±.020	.139 ±.004	2
568-232U	2-3/4	3	1/8	2.734 ±.024	.139 ±.004	2
568-233U	2-7/8	3-1/8	1/8	2.859 ±.024	.139 ±.004	1
568-234U	3	3-1/4	1/8	2.984 ±.024	.139 ±.004	1
568-235U	3-1/8	3-3/8	1/8	3.109 ±.024	.139 ±.004	1
568-236U	3-1/4	3-1/2	1/8	3.234 ±.024	.139 ±.004	1
568-238U	3-1/2	3-3/4	1/8	3.484 ±.024	.139 ±.004	1
568-240U	3-3/4	4	1/8	3.734 ±.028	.139 ±.004	1
568-242U	4	4-1/4	1/8	3.984 ±.028	.139 ±.004	1
568-244U	4-1/4	4-1/2	1/8	4.234 ±.030	.139 ±.004	1
568-248U	4-3/4	5	1/8	4.734 ±.030	.139 ±.004	1
568-256U	5-3/4	6	1/8	5.734 ±.035	.139 ±.004	1
568-260U	6-1/2	6-3/4	1/8	6.484 ±.040	.139 ±.004	1
.139" C/S						
568-212U	7/8	1-1/8	1/8	.859 ±.010	.139 ±.004	2
3/16" C/S						
568-326U	1-5/8	2	3/16	1.600 ±.015	.210 ±.005	1
568-327U	1-3/4	2-1/8	3/16	1.725 ±.015	.210 ±.005	1
568-328U	1-7/8	2-1/4	3/16	1.850 ±.015	.210 ±.005	1
568-329U	2	2-3/8	3/16	1.975 ±.018	.210 ±.005	1
568-330U	2-1/8	2-1/2	3/16	2.100 ±.018	.210 ±.005	1
568-331U	2-1/4	2-5/8	3/16	2.225 ±.018	.210 ±.005	1
568-332U	2-3/8	2-3/4	3/16	2.350 ±.018	.210 ±.005	1
568-335U	2-3/4	3-1/8	3/16	2.725 ±.020	.210 ±.005	1
568-336U	2-7/8	3-1/4	3/16	2.850 ±.020	.210 ±.005	1
568-337U	3	3-3/8	3/16	2.975 ±.024	.210 ±.005	1
568-348U	4-3/8	4-3/4	3/16	4.350 ±.030	.210 ±.005	1

Seal color may vary.

STYLE 580, SQUARE BUNA-N O-RINGS



PART NUMBERS

580 - 008

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	INSIDE DIAMETER	C HEIGHT	CROSS SECTION	Package Quantity
1/16" C/S						
580-008	3/16	5/16	.176 ±.005	.066 ±.005	.066 ±.005	10
580-012	3/8	1/2	.364 ±.005	.066 ±.005	.066 ±.005	50
580-014	1/2	5/8	.489 ±.005	.066 ±.005	.066 ±.005	38
580-015	9/16	11/16	.551 ±.007	.066 ±.005	.066 ±.005	50
580-016	5/8	3/4	.614 ±.009	.066 ±.005	.066 ±.005	38
580-017	11/16	13/16	.676 ±.009	.066 ±.005	.066 ±.005	30
580-019	13/16	15/16	.801 ±.009	.066 ±.005	.066 ±.005	30
580-021	15/16	1-1/16	.926 ±.009	.066 ±.005	.066 ±.005	25
580-022	1	1-1/8	.989 ±.010	.066 ±.005	.066 ±.005	29
580-025	1-3/16	1-5/16	1.176 ±.011	.066 ±.005	.066 ±.005	25
580-026	1-1/4	1-3/8	1.239 ±.011	.066 ±.005	.066 ±.005	24
580-028	1-3/8	1-1/2	1.364 ±.013	.066 ±.005	.066 ±.005	25
580-029	1-1/2	1-5/8	1.489 ±.013	.066 ±.005	.066 ±.005	25
580-032	1-7/8	2	1.864 ±.015	.066 ±.005	.066 ±.005	15
580-033	2	2-1/8	1.989 ±.018	.066 ±.005	.066 ±.005	15
580-034	2-1/8	2-1/4	2.114 ±.018	.066 ±.005	.066 ±.005	15
580-035	2-1/4	2-3/8	2.239 ±.018	.066 ±.005	.066 ±.005	15
580-036	2-3/8	2-1/2	2.364 ±.018	.066 ±.005	.066 ±.005	13
580-037	2-1/2	2-5/8	2.489 ±.018	.066 ±.005	.066 ±.005	13
580-038	2-5/8	2-3/4	2.614 ±.020	.066 ±.005	.066 ±.005	13
580-039	2-3/4	2-7/8	2.739 ±.020	.066 ±.005	.066 ±.005	12
580-040	2-7/8	3	2.864 ±.020	.066 ±.005	.066 ±.005	12
580-041	3	3-1/8	2.989 ±.024	.066 ±.005	.066 ±.005	9
580-042	3-1/4	3-3/8	3.239 ±.024	.066 ±.005	.066 ±.005	9
580-043	3-1/2	3-5/8	3.489 ±.024	.066 ±.005	.066 ±.005	9
580-044	3-3/4	3-7/8	3.739 ±.027	.066 ±.005	.066 ±.005	9
580-045	4	4-1/8	3.989 ±.027	.066 ±.005	.066 ±.005	8
580-046	4-1/4	4-3/8	4.239 ±.030	.066 ±.005	.066 ±.005	7
580-047	4-1/2	4-5/8	4.489 ±.030	.066 ±.005	.066 ±.005	7
3/32" C/S						
580-110	3/8	9/16	.362 ±.005	.099 ±.005	.099 ±.005	23
580-113	9/16	3/4	.549 ±.005	.099 ±.005	.099 ±.005	13
580-115	11/16	7/8	.674 ±.009	.099 ±.005	.099 ±.005	14
580-116	3/4	15/16	.737 ±.009	.099 ±.005	.099 ±.005	35
580-117	13/16	1	.799 ±.010	.099 ±.005	.099 ±.005	30
580-118	7/8	1-1/16	.862 ±.010	.099 ±.005	.099 ±.005	30
580-119	15/16	1-1/8	.924 ±.010	.099 ±.005	.099 ±.005	13
580-120	1	1-3/16	.987 ±.010	.099 ±.005	.099 ±.005	27
580-121	1-1/16	1-1/4	1.049 ±.010	.099 ±.005	.099 ±.005	25
580-122	1-1/8	1-5/16	1.112 ±.010	.099 ±.005	.099 ±.005	25

STYLE 580, SQUARE BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	INSIDE DIAMETER	C HEIGHT	CROSS SECTION	Package Quantity
580-123	1-3/16	1-3/8	1.174 ±.012	.099 ±.005	.099 ±.005	12
580-124	1-1/4	1-7/16	1.237 ±.012	.099 ±.005	.099 ±.005	12
580-125	1-5/16	1-1/2	1.299 ±.012	.099 ±.005	.099 ±.005	12
580-125-90D	1-5/16	1-1/2	1.299 ±.012	.099 ±.005	.099 ±.005	5
580-126	1-3/8	1-9/16	1.362 ±.012	.099 ±.005	.099 ±.005	27
580-127	1-7/16	1-5/8	1.424 ±.012	.099 ±.005	.099 ±.005	12
580-128	1-1/2	1-11/16	1.487 ±.012	.099 ±.005	.099 ±.005	12
580-129	1-9/16	1-3/4	1.549 ±.015	.099 ±.005	.099 ±.005	12
580-130	1-5/8	1-13/16	1.612 ±.015	.099 ±.005	.099 ±.005	12
580-131	1-11/16	1-7/8	1.674 ±.015	.099 ±.005	.099 ±.005	12
580-132	1-3/4	1-15/16	1.737 ±.015	.099 ±.005	.099 ±.005	11
580-133	1-13/16	2	1.799 ±.015	.099 ±.005	.099 ±.005	11
580-134	1-7/8	2-1/16	1.862 ±.015	.099 ±.005	.099 ±.005	11
580-135	1-15/16	2-1/8	1.925 ±.017	.099 ±.005	.099 ±.005	11
580-136	2	2-3/16	1.987 ±.017	.099 ±.005	.099 ±.005	11
580-137	2-1/16	2-1/4	2.050 ±.017	.099 ±.005	.099 ±.005	11
580-138	2-1/8	2-5/16	2.112 ±.017	.099 ±.005	.099 ±.005	11
580-139	2-3/16	2-3/8	2.175 ±.017	.099 ±.005	.099 ±.005	11
580-140	2-1/4	2-7/16	2.237 ±.017	.099 ±.005	.099 ±.005	11
580-141	2-5/16	2-1/2	2.300 ±.020	.099 ±.005	.099 ±.005	11
580-142	2-3/8	2-9/16	2.362 ±.020	.099 ±.005	.099 ±.005	11
580-143	2-7/16	2-5/8	2.425 ±.020	.099 ±.005	.099 ±.005	11
580-144	2-1/2	2-11/16	2.487 ±.020	.099 ±.005	.099 ±.005	11
580-145	2-9/16	2-3/4	2.550 ±.020	.099 ±.005	.099 ±.005	11
580-146	2-5/8	2-13/16	2.612 ±.020	.099 ±.005	.099 ±.005	11
580-147	2-11/16	2-7/8	2.675 ±.022	.099 ±.005	.099 ±.005	10
580-148	2-3/4	2-15/16	2.737 ±.022	.099 ±.005	.099 ±.005	10
580-149	2-13/16	3	2.800 ±.022	.099 ±.005	.099 ±.005	10
580-150	2-7/8	3-1/16	2.862 ±.022	.099 ±.005	.099 ±.005	10
580-151	3	3-3/16	2.987 ±.024	.099 ±.005	.099 ±.005	10
580-152	3-1/4	3-7/16	3.237 ±.024	.099 ±.005	.099 ±.005	10
580-153	3-1/2	3-11/16	3.487 ±.024	.099 ±.005	.099 ±.005	9
580-154	3-3/4	3-15/16	3.737 ±.028	.099 ±.005	.099 ±.005	9
580-155	4	4-3/16	3.987 ±.028	.099 ±.005	.099 ±.005	7
580-156	4-1/4	4-7/16	4.237 ±.030	.099 ±.005	.099 ±.005	6
580-157	4-1/2	4-11/16	4.487 ±.030	.099 ±.005	.099 ±.005	5
580-158	4-3/4	4-15/16	4.737 ±.030	.099 ±.005	.099 ±.005	5
580-159	5	5-3/16	4.987 ±.035	.099 ±.005	.099 ±.005	4
580-160	5-1/4	5-7/16	5.237 ±.035	.099 ±.005	.099 ±.005	4
580-161	5-1/2	5-11/16	5.487 ±.035	.099 ±.005	.099 ±.005	4
580-163	6	6-3/16	5.987 ±.035	.099 ±.005	.099 ±.005	3
580-164	6-1/4	6-7/16	6.237 ±.040	.099 ±.005	.099 ±.005	3
580-170	7-3/4	7-15/16	7.737 ±.045	.099 ±.005	.099 ±.005	3
			1/8" C/S			
580-206	1/2	3/4	.484 ±.005	.134 ±.005	.134 ±.005	15
580-209	11/16	15/16	.671 ±.009	.134 ±.005	.134 ±.005	15
580-210	3/4	1	.734 ±.010	.134 ±.005	.134 ±.005	15
580-211	13/16	1-1/16	.796 ±.010	.134 ±.005	.134 ±.005	15
580-213	15/16	1-3/16	.921 ±.010	.134 ±.005	.134 ±.005	15
580-214	1	1-1/4	.984 ±.010	.134 ±.005	.134 ±.005	15
580-215	1-1/16	1-5/16	1.046 ±.010	.134 ±.005	.134 ±.005	15
580-216	1-1/8	1-3/8	1.109 ±.012	.134 ±.005	.134 ±.005	15
580-217	1-3/16	1-7/16	1.171 ±.012	.134 ±.005	.134 ±.005	15
580-218	1-1/4	1-1/2	1.234 ±.012	.134 ±.005	.134 ±.005	15
580-220	1-3/8	1-5/8	1.359 ±.012	.134 ±.005	.134 ±.005	15
580-221	1-7/16	1-11/16	1.421 ±.012	.134 ±.005	.134 ±.005	15
580-222	1-1/2	1-3/4	1.484 ±.015	.134 ±.005	.134 ±.005	15

STYLE 580, SQUARE BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	INSIDE DIAMETER	C HEIGHT	CROSS SECTION	Package Quantity
580-223	1-5/8	1-7/8	1.609 ±.015	.134 ±.005	.134 ±.005	15
580-224	1-3/4	2	1.734 ±.015	.134 ±.005	.134 ±.005	15
580-225	1-7/8	2-1/8	1.859 ±.018	.134 ±.005	.134 ±.005	15
580-226	2	2-1/4	1.984 ±.018	.134 ±.005	.134 ±.005	15
580-227	2-1/8	2-3/8	2.109 ±.018	.134 ±.005	.134 ±.005	15
580-229	2-3/8	2-5/8	2.359 ±.020	.134 ±.005	.134 ±.005	15
580-230	2-1/2	2-3/4	2.484 ±.020	.134 ±.005	.134 ±.005	15
580-231	2-5/8	2-7/8	2.609 ±.020	.134 ±.005	.134 ±.005	15
580-232	2-3/4	3	2.734 ±.024	.134 ±.005	.134 ±.005	15
580-233	2-7/8	3-1/8	2.859 ±.024	.134 ±.005	.134 ±.005	15
580-234	3	3-1/4	2.984 ±.024	.134 ±.005	.134 ±.005	14
580-235	3-1/8	3-3/8	3.109 ±.024	.134 ±.005	.134 ±.005	13
580-236	3-1/4	3-1/2	3.234 ±.024	.134 ±.005	.134 ±.005	12
580-237	3-3/8	3-5/8	3.359 ±.024	.134 ±.005	.134 ±.005	12
580-238	3-1/2	3-3/4	3.484 ±.024	.134 ±.005	.134 ±.005	12
580-239	3-5/8	3-7/8	3.609 ±.028	.134 ±.005	.134 ±.005	10
580-240	3-3/4	4	3.734 ±.028	.134 ±.005	.134 ±.005	10
580-241	3-7/8	4-1/8	3.859 ±.028	.134 ±.005	.134 ±.005	10
580-242	4	4-1/4	3.984 ±.028	.134 ±.005	.134 ±.005	10
580-243	4-1/8	4-3/8	4.109 ±.028	.134 ±.005	.134 ±.005	9
580-244	4-1/4	4-1/2	4.234 ±.030	.134 ±.005	.134 ±.005	9
580-245	4-3/8	4-5/8	4.359 ±.030	.134 ±.005	.134 ±.005	8
580-246	4-1/2	4-3/4	4.484 ±.030	.134 ±.005	.134 ±.005	7
580-247	4-5/8	4-7/8	4.609 ±.030	.134 ±.005	.134 ±.005	6
580-248	4-3/4	5	4.734 ±.030	.134 ±.005	.134 ±.005	5
580-249	4-7/8	5-1/8	4.859 ±.035	.134 ±.005	.134 ±.005	5
580-250	5	5-1/4	4.984 ±.035	.134 ±.005	.134 ±.005	5
580-251	5-1/8	5-3/8	5.109 ±.035	.134 ±.005	.134 ±.005	5
580-252	5-1/4	5-1/2	5.234 ±.035	.134 ±.005	.134 ±.005	5
580-253	5-3/8	5-5/8	5.359 ±.035	.134 ±.005	.134 ±.005	4
580-254	5-1/2	5-3/4	5.484 ±.035	.134 ±.005	.134 ±.005	4
580-255	5-5/8	5-7/8	5.609 ±.035	.134 ±.005	.134 ±.005	4
580-256	5-3/4	6	5.734 ±.035	.134 ±.005	.134 ±.005	4
580-257	5-7/8	6-1/8	5.859 ±.035	.134 ±.005	.134 ±.005	4
580-258	6	6-1/4	5.984 ±.035	.134 ±.005	.134 ±.005	4
580-259	6-1/4	6-1/2	6.234 ±.040	.134 ±.005	.134 ±.005	4
580-260	6-1/2	6-3/4	6.484 ±.040	.134 ±.005	.134 ±.005	3
580-261	6-3/4	7	6.734 ±.040	.134 ±.005	.134 ±.005	3
580-262	7	7-1/4	6.984 ±.040	.134 ±.005	.134 ±.005	3
580-263	7-1/4	7-1/2	7.234 ±.045	.134 ±.005	.134 ±.005	3
580-264	7-1/2	7-3/4	7.484 ±.045	.134 ±.005	.134 ±.005	3
580-265	7-3/4	8	7.734 ±.045	.134 ±.005	.134 ±.005	3
580-266	8	8-1/4	7.984 ±.045	.134 ±.005	.134 ±.005	3
580-267	8-1/4	8-1/2	8.234 ±.050	.134 ±.005	.134 ±.005	3
580-268	8-1/2	8-3/4	8.484 ±.050	.134 ±.005	.134 ±.005	3
580-269	8-3/4	9	8.734 ±.050	.134 ±.005	.134 ±.005	3
580-271	9-1/4	9-1/2	9.234 ±.055	.134 ±.005	.134 ±.005	3
580-273	9-3/4	10	9.734 ±.055	.134 ±.005	.134 ±.005	3
580-274	10	10-1/4	9.984 ±.055	.134 ±.005	.134 ±.005	3
580-278	12	12-1/4	11.984 ±.065	.134 ±.005	.134 ±.005	1
3/16" C/S						
580-320	1-1/8	1-1/2	1.100 ±.012	.203 ±.006	.203 ±.006	5
580-322	1-1/4	1-5/8	1.225 ±.012	.203 ±.006	.203 ±.006	5
580-324	1-3/8	1-3/4	1.350 ±.012	.203 ±.006	.203 ±.006	8
580-325	1-1/2	1-7/8	1.475 ±.015	.203 ±.006	.203 ±.006	15
580-326	1-5/8	2	1.600 ±.015	.203 ±.006	.203 ±.006	15
580-327	1-3/4	2-1/8	1.725 ±.015	.203 ±.006	.203 ±.006	35

STYLE 580, SQUARE BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	INSIDE DIAMETER	C HEIGHT	CROSS SECTION	Package Quantity
580-328	1-7/8	2-1/4	1.850 ±.015	.203 ±.006	.203 ±.006	15
580-329	2	2-3/8	1.975 ±.018	.203 ±.006	.203 ±.006	13
580-330	2-1/8	2-1/2	2.100 ±.018	.203 ±.006	.203 ±.006	13
580-331	2-1/4	2-5/8	2.225 ±.018	.203 ±.006	.203 ±.006	13
580-332	2-3/8	2-3/4	2.350 ±.018	.203 ±.006	.203 ±.006	13
580-333	2-1/2	2-7/8	2.475 ±.020	.203 ±.006	.203 ±.006	13
580-334	2-5/8	3	2.600 ±.020	.203 ±.006	.203 ±.006	13
580-335	2-3/4	3-1/8	2.725 ±.020	.203 ±.006	.203 ±.006	12
580-336	2-7/8	3-1/4	2.850 ±.020	.203 ±.006	.203 ±.006	11
580-337	3	3-3/8	2.975 ±.024	.203 ±.006	.203 ±.006	10
580-338	3-1/8	3-1/2	3.100 ±.024	.203 ±.006	.203 ±.006	10
580-339	3-1/4	3-5/8	3.225 ±.024	.203 ±.006	.203 ±.006	10
580-340	3-3/8	3-3/4	3.350 ±.024	.203 ±.006	.203 ±.006	10
580-341	3-1/2	3-7/8	3.475 ±.024	.203 ±.006	.203 ±.006	9
580-342	3-5/8	4	3.600 ±.028	.203 ±.006	.203 ±.006	9
580-343	3-3/4	4-1/8	3.725 ±.028	.203 ±.006	.203 ±.006	8
580-344	3-7/8	4-1/4	3.850 ±.028	.203 ±.006	.203 ±.006	7
580-345	4	4-3/8	3.975 ±.028	.203 ±.006	.203 ±.006	7
580-346	4-1/8	4-1/2	4.100 ±.028	.203 ±.006	.203 ±.006	7
580-347	4-1/4	4-5/8	4.225 ±.030	.203 ±.006	.203 ±.006	7
580-348	4-3/8	4-3/4	4.350 ±.030	.203 ±.006	.203 ±.006	7
580-349	4-1/2	4-7/8	4.475 ±.030	.203 ±.006	.203 ±.006	6
580-350	4-5/8	5	4.600 ±.030	.203 ±.006	.203 ±.006	6
580-351	4-3/4	5-1/8	4.725 ±.030	.203 ±.006	.203 ±.006	6
580-352	4-7/8	5-1/4	4.850 ±.030	.203 ±.006	.203 ±.006	6
580-353	5	5-3/8	4.975 ±.037	.203 ±.006	.203 ±.006	5
580-354	5-1/8	5-1/2	5.100 ±.037	.203 ±.006	.203 ±.006	4
580-355	5-1/4	5-5/8	5.225 ±.037	.203 ±.006	.203 ±.006	4
580-356	5-3/8	5-3/4	5.350 ±.037	.203 ±.006	.203 ±.006	4
580-357	5-1/2	5-7/8	5.475 ±.037	.203 ±.006	.203 ±.006	4
580-358	5-5/8	6	5.600 ±.037	.203 ±.006	.203 ±.006	4
580-366	7-1/4	7-5/8	7.225 ±.045	.203 ±.006	.203 ±.006	4
			1/4" C/S			
580-414	3-1/8	3-5/8	3.100 ±.024	.266 ±.007	.266 ±.007	2
580-423	4-1/4	4-3/4	4.225 ±.030	.266 ±.007	.266 ±.007	2
580-425	4-1/2	5	4.475 ±.033	.266 ±.007	.266 ±.007	3
580-426	4-5/8	5-1/8	4.600 ±.033	.266 ±.007	.266 ±.007	3
580-427	4-3/4	5-1/4	4.725 ±.033	.266 ±.007	.266 ±.007	3
580-428	4-7/8	5-3/8	4.850 ±.033	.266 ±.007	.266 ±.007	3
580-429	5	5-1/2	4.975 ±.037	.266 ±.007	.266 ±.007	3
580-430	5-1/8	5-5/8	5.100 ±.037	.266 ±.007	.266 ±.007	3
580-431	5-1/4	5-3/4	5.225 ±.037	.266 ±.007	.266 ±.007	3
580-433	5-1/2	6	5.475 ±.037	.266 ±.007	.266 ±.007	3
580-434	5-5/8	6-1/8	5.600 ±.037	.266 ±.007	.266 ±.007	3
580-435	5-3/4	6-1/4	5.725 ±.037	.266 ±.007	.266 ±.007	3
580-436	5-7/8	6-3/8	5.850 ±.037	.266 ±.007	.266 ±.007	3
580-437	6	6-1/2	5.975 ±.037	.266 ±.007	.266 ±.007	3
580-438	6-1/4	6-3/4	6.225 ±.040	.266 ±.007	.266 ±.007	3
580-439	6-1/2	7	6.475 ±.040	.266 ±.007	.266 ±.007	3
580-440	6-3/4	7-1/4	6.725 ±.040	.266 ±.007	.266 ±.007	3
580-441	7	7-1/2	6.975 ±.040	.266 ±.007	.266 ±.007	2
580-442	7-1/4	7-3/4	7.225 ±.045	.266 ±.007	.266 ±.007	2
580-443	7-1/2	8	7.475 ±.045	.266 ±.007	.266 ±.007	2
580-444	7-3/4	8-1/4	7.725 ±.045	.266 ±.007	.266 ±.007	2
580-445	8	8-1/2	7.975 ±.045	.266 ±.007	.266 ±.007	2
580-446	8-1/2	9	8.475 ±.055	.266 ±.007	.266 ±.007	2
580-447	9	9-1/2	8.975 ±.055	.266 ±.007	.266 ±.007	2

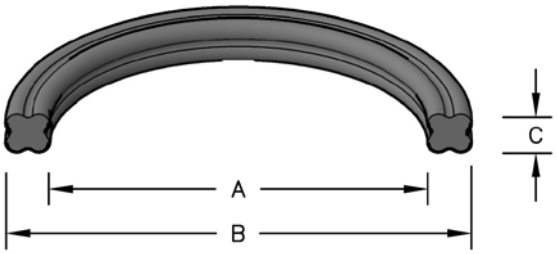
STYLE 580, SQUARE BUNA-N O-RINGS

Part Number	A Nom. ID	B Nom. OD	INSIDE DIAMETER	C HEIGHT	CROSS SECTION	Package Quantity
580-448	9-1/2	10	9.475 ±.055	.266 ±.007	.266 ±.007	2
580-449	10	10-1/2	9.975 ±.055	.266 ±.007	.266 ±.007	2
580-450	10-1/2	11	10.475 ±.060	.266 ±.007	.266 ±.007	1
580-451	11	11-1/2	10.975 ±.060	.266 ±.007	.266 ±.007	1

STYLE QR, BUNA-N QUAD® RINGS

Quad® Rings provide improved stability and lubricity over converntional o-rings, reducing the tendency to spiral in the groove. They interchange standard o-rings in a variety of static and dynamic sealing applications including rotary, reciprocating or oscillating motion.

NOTE: Last three digits of part number corresponds to standard o-ring dash numbers (568-218 = QR-4218)



PART NUMBERS

QR - 4004

Prefix — Dash Number

V = FLUOROCARBON

SEAL INFORMATION	
MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
				1/16" C/S			
QR-4004	5/64	13/64	1/16	-004	.070 ±.005	.070 ±.003	6
QR-4005	3/32	7/32	1/16	-005	.101 ±.005	.070 ±.003	6
QR-4006	1/8	1/4	1/16	-006	.114 ±.005	.070 ±.003	6
QR-4007	5/32	9/32	1/16	-007	.145 ±.005	.070 ±.003	6
QR-4008	3/16	5/16	1/16	-008	.176 ±.005	.070 ±.003	6
QR-4009	7/32	11/32	1/16	-009	.208 ±.005	.070 ±.003	6
QR-4010	1/4	3/8	1/16	-010	.239 ±.005	.070 ±.003	6
QR-4011	5/16	7/16	1/16	-011	.301 ±.005	.070 ±.003	6
QR-4012	3/8	1/2	1/16	-012	.364 ±.005	.070 ±.003	6
QR-4013	7/16	9/16	1/16	-013	.426 ±.005	.070 ±.003	6
QR-4014	1/2	5/8	1/16	-014	.489 ±.005	.070 ±.003	6
QR-4015	9/16	11/16	1/16	-015	.551 ±.007	.070 ±.003	6
QR-4016	5/8	3/4	1/16	-016	.614 ±.009	.070 ±.003	5
QR-4017	11/16	13/16	1/16	-017	.676 ±.009	.070 ±.003	5
QR-4018	3/4	7/8	1/16	-018	.739 ±.009	.070 ±.003	5
QR-4019	13/16	15/16	1/16	-019	.801 ±.009	.070 ±.003	5
QR-4020	7/8	1	1/16	-020	.864 ±.009	.070 ±.003	5
QR-4021	15/16	1-1/16	1/16	-021	.926 ±.009	.070 ±.003	5
QR-4022	1	1-1/8	1/16	-022	.989 ±.010	.070 ±.003	4
QR-4023	1-1/16	1-3/16	1/16	-023	1.051 ±.010	.070 ±.003	4
QR-4024	1-1/8	1-1/4	1/16	-024	1.114 ±.010	.070 ±.003	4
QR-4025	1-3/16	1-5/16	1/16	-025	1.176 ±.011	.070 ±.003	3
QR-4026	1-1/4	1-3/8	1/16	-026	1.239 ±.011	.070 ±.003	3
QR-4027	1-5/16	1-7/16	1/16	-027	1.301 ±.011	.070 ±.003	3
QR-4028	1-3/8	1-1/2	1/16	-028	1.364 ±.013	.070 ±.003	3
QR-4029	1-1/2	1-5/8	1/16	-029	1.489 ±.013	.070 ±.003	3
QR-4030	1-5/8	1-3/4	1/16	-030	1.614 ±.013	.070 ±.003	3
QR-4031	1-3/4	1-7/8	1/16	-031	1.739 ±.015	.070 ±.003	3
QR-4032	1-7/8	2	1/16	-032	1.864 ±.015	.070 ±.003	2
QR-4033	2	2-1/8	1/16	-033	1.989 ±.018	.070 ±.003	3
QR-4034	2-1/8	2-1/4	1/16	-034	2.114 ±.018	.070 ±.003	3
QR-4035	2-1/4	2-3/8	1/16	-035	2.239 ±.018	.070 ±.003	3
QR-4036	2-3/8	2-1/2	1/16	-036	2.364 ±.018	.070 ±.003	3
QR-4037	2-1/2	2-5/8	1/16	-037	2.489 ±.018	.070 ±.003	2
QR-4038	2-5/8	2-3/4	1/16	-038	2.614 ±.020	.070 ±.003	2
QR-4039	2-3/4	2-7/8	1/16	-039	2.739 ±.020	.070 ±.003	2

STYLE QR, BUNA-N QUAD® RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
QR-4040	2-7/8	3	1/16	-040	2.864 ±.020	.070 ±.003	2
QR-4041	3	3-1/8	1/16	-041	2.989 ±.024	.070 ±.003	2
QR-4042	3-1/4	3-3/8	1/16	-042	3.239 ±.024	.070 ±.003	2
QR-4043	3-1/2	3-5/8	1/16	-043	3.489 ±.024	.070 ±.003	2
QR-4044	3-3/4	3-7/8	1/16	-044	3.739 ±.027	.070 ±.003	2
QR-4045	4	4-1/8	1/16	-045	3.989 ±.027	.070 ±.003	2
QR-4046	4-1/4	4-3/8	1/16	-046	4.239 ±.030	.070 ±.003	2
QR-4047	4-1/2	4-5/8	1/16	-047	4.489 ±.030	.070 ±.003	2
QR-4048	4-3/4	4-7/8	1/16	-048	4.739 ±.030	.070 ±.003	2
QR-4050	5-1/4	5-3/8	1/16	-050	5.239 ±.037	.070 ±.003	2
				3/32" C/S			
QR-4108	1/4	7/16	3/32	-108	.237 ±.005	.103 ±.003	5
QR-4109	5/16	1/2	3/32	-109	.299 ±.005	.103 ±.003	5
QR-4110	3/8	9/16	3/32	-110	.362 ±.005	.103 ±.003	5
QR-4111	7/16	5/8	3/32	-111	.424 ±.005	.103 ±.003	5
QR-4112	1/2	11/16	3/32	-112	.487 ±.005	.103 ±.003	5
QR-4113	9/16	3/4	3/32	-113	.549 ±.005	.103 ±.003	5
QR-4113V	9/16	3/4	3/32	-113	.549 ±.005	.103 ±.003	1
QR-4114	5/8	13/16	3/32	-114	.612 ±.009	.103 ±.003	5
QR-4115	11/16	7/8	3/32	-115	.674 ±.009	.103 ±.003	5
QR-4116	3/4	15/16	3/32	-116	.737 ±.009	.103 ±.003	5
QR-4117	13/16	1	3/32	-117	.799 ±.010	.103 ±.003	5
QR-4118	7/8	1-1/16	3/32	-118	.862 ±.010	.103 ±.003	5
QR-4119	15/16	1-1/8	3/32	-119	.924 ±.010	.103 ±.003	5
QR-4120	1	1-3/16	3/32	-120	.987 ±.010	.103 ±.003	5
QR-4121	1-1/16	1-1/4	3/32	-121	1.049 ±.010	.103 ±.003	5
QR-4122	1-1/8	1-5/16	3/32	-122	1.112 ±.010	.103 ±.003	5
QR-4123	1-3/16	1-3/8	3/32	-123	1.174 ±.012	.103 ±.003	5
QR-4124	1-1/4	1-7/16	3/32	-124	1.237 ±.012	.103 ±.003	5
QR-4125	1-5/16	1-1/2	3/32	-125	1.299 ±.012	.103 ±.003	4
QR-4126	1-3/8	1-9/16	3/32	-126	1.362 ±.012	.103 ±.003	4
QR-4127	1-7/16	1-5/8	3/32	-127	1.424 ±.012	.103 ±.003	4
QR-4128	1-1/2	1-11/16	3/32	-128	1.487 ±.012	.103 ±.003	4
QR-4129	1-9/16	1-3/4	3/32	-129	1.549 ±.015	.103 ±.003	4
QR-4130	1-5/8	1-13/16	3/32	-130	1.612 ±.015	.103 ±.003	4
QR-4131	1-11/16	1-7/8	3/32	-131	1.674 ±.015	.103 ±.003	4
QR-4132	1-3/4	1-15/16	3/32	-132	1.737 ±.015	.103 ±.003	4
QR-4133	1-13/16	2	3/32	-133	1.799 ±.015	.103 ±.003	4
QR-4134	1-7/8	2-1/16	3/32	-134	1.862 ±.015	.103 ±.003	4
QR-4135	1-15/16	2-1/8	3/32	-135	1.925 ±.017	.103 ±.003	3
QR-4136	2	2-3/16	3/32	-136	1.987 ±.017	.103 ±.003	3
QR-4137	2-1/16	2-1/4	3/32	-137	2.050 ±.017	.103 ±.003	3
QR-4138	2-1/8	2-5/16	3/32	-138	2.112 ±.017	.103 ±.003	3
QR-4139	2-3/16	2-3/8	3/32	-139	2.175 ±.017	.103 ±.003	3
QR-4140	2-1/4	2-7/16	3/32	-140	2.237 ±.017	.103 ±.003	3
QR-4141	2-5/16	2-1/2	3/32	-141	2.300 ±.020	.103 ±.003	3
QR-4142	2-3/8	2-9/16	3/32	-142	2.362 ±.020	.103 ±.003	3
QR-4143	2-7/16	2-5/8	3/32	-143	2.425 ±.020	.103 ±.003	2
QR-4144	2-1/2	2-11/16	3/32	-144	2.487 ±.020	.103 ±.003	2
QR-4145	2-9/16	2-3/4	3/32	-145	2.550 ±.020	.103 ±.003	2
QR-4146	2-5/8	2-13/16	3/32	-146	2.612 ±.020	.103 ±.003	2
QR-4147	2-11/16	2-7/8	3/32	-147	2.675 ±.022	.103 ±.003	2
QR-4148	2-3/4	2-15/16	3/32	-148	2.737 ±.022	.103 ±.003	2
QR-4149	2-13/16	3	3/32	-149	2.800 ±.022	.103 ±.003	2
QR-4151	3	3-3/16	3/32	-151	2.987 ±.024	.103 ±.003	2
QR-4152	3-1/4	3-7/16	3/32	-152	3.237 ±.024	.103 ±.003	2
QR-4153	3-1/2	3-11/16	3/32	-153	3.487 ±.024	.103 ±.003	2

STYLE QR, BUNA-N QUAD® RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
QR-4154	3-3/4	3-15/16	3/32	-154	3.737 ±.028	.103 ±.003	2
QR-4156	4-1/4	4-7/16	3/32	-156	4.237 ±.030	.103 ±.003	2
QR-4157	4-1/2	4-11/16	3/32	-157	4.487 ±.030	.103 ±.003	2
QR-4158	4-3/4	4-15/16	3/32	-158	4.737 ±.030	.103 ±.003	2
QR-4159	5	5-3/16	3/32	-159	4.987 ±.035	.103 ±.003	2
QR-4161	5-1/2	5-11/16	3/32	-161	5.487 ±.035	.103 ±.003	2
QR-4164	6-1/4	6-7/16	3/32	-164	6.237 ±.040	.103 ±.003	1
				1/8" C/S			
QR-4202	1/4	1/2	1/8	-202	.234 ±.005	.139 ±.004	5
QR-4204	3/8	5/8	1/8	-204	.359 ±.005	.139 ±.004	5
QR-4205	7/16	11/16	1/8	-205	.421 ±.005	.139 ±.004	5
QR-4206	1/2	3/4	1/8	-206	.484 ±.005	.139 ±.004	5
QR-4207	9/16	13/16	1/8	-207	.546 ±.007	.139 ±.004	5
QR-4208	5/8	7/8	1/8	-208	.609 ±.009	.139 ±.004	5
QR-4209	11/16	15/16	1/8	-209	.671 ±.009	.139 ±.004	5
QR-4210	3/4	1	1/8	-210	.734 ±.010	.139 ±.004	5
QR-4211	13/16	1-1/16	1/8	-211	.796 ±.010	.139 ±.004	5
QR-4212	7/8	1-1/8	1/8	-212	.859 ±.010	.139 ±.004	5
QR-4213	15/16	1-3/16	1/8	-213	.921 ±.010	.139 ±.004	5
QR-4214	1	1-1/4	1/8	-214	.984 ±.010	.139 ±.004	5
QR-4215	1-1/16	1-5/16	1/8	-215	1.046 ±.010	.139 ±.004	5
QR-4216	1-1/8	1-3/8	1/8	-216	1.109 ±.012	.139 ±.004	4
QR-4217	1-3/16	1-7/16	1/8	-217	1.171 ±.012	.139 ±.004	4
QR-4218	1-1/4	1-1/2	1/8	-218	1.234 ±.012	.139 ±.004	4
QR-4219	1-5/16	1-9/16	1/8	-219	1.296 ±.012	.139 ±.004	4
QR-4220	1-3/8	1-5/8	1/8	-220	1.359 ±.012	.139 ±.004	4
QR-4221	1-7/16	1-11/16	1/8	-221	1.421 ±.012	.139 ±.004	4
QR-4222	1-1/2	1-3/4	1/8	-222	1.484 ±.015	.139 ±.004	4
QR-4223	1-5/8	1-7/8	1/8	-223	1.609 ±.015	.139 ±.004	3
QR-4224	1-3/4	2	1/8	-224	1.734 ±.015	.139 ±.004	3
QR-4225	1-7/8	2-1/8	1/8	-225	1.859 ±.018	.139 ±.004	3
QR-4226	2	2-1/4	1/8	-226	1.984 ±.018	.139 ±.004	3
QR-4227	2-1/8	2-3/8	1/8	-227	2.109 ±.018	.139 ±.004	3
QR-4228	2-1/4	2-1/2	1/8	-228	2.234 ±.020	.139 ±.004	3
QR-4229	2-3/8	2-5/8	1/8	-229	2.359 ±.020	.139 ±.004	3
QR-4230	2-1/2	2-3/4	1/8	-230	2.484 ±.020	.139 ±.004	3
QR-4231	2-5/8	2-7/8	1/8	-231	2.609 ±.020	.139 ±.004	3
QR-4232	2-3/4	3	1/8	-232	2.734 ±.024	.139 ±.004	3
QR-4233	2-7/8	3-1/8	1/8	-233	2.859 ±.024	.139 ±.004	3
QR-4234	3	3-1/4	1/8	-234	2.984 ±.024	.139 ±.004	3
QR-4235	3-1/8	3-3/8	1/8	-235	3.109 ±.024	.139 ±.004	3
QR-4236	3-1/4	3-1/2	1/8	-236	3.234 ±.024	.139 ±.004	3
QR-4237	3-3/8	3-5/8	1/8	-237	3.359 ±.024	.139 ±.004	3
QR-4238	3-1/2	3-3/4	1/8	-238	3.484 ±.024	.139 ±.004	2
QR-4239	3-5/8	3-7/8	1/8	-239	3.609 ±.028	.139 ±.004	2
QR-4240	3-3/4	4	1/8	-240	3.734 ±.028	.139 ±.004	2
QR-4241	3-7/8	4-1/8	1/8	-241	3.859 ±.028	.139 ±.004	2
QR-4242	4	4-1/4	1/8	-242	3.984 ±.028	.139 ±.004	2
QR-4243	4-1/8	4-3/8	1/8	-243	4.109 ±.028	.139 ±.004	2
QR-4244	4-1/4	4-1/2	1/8	-244	4.234 ±.030	.139 ±.004	2
QR-4245	4-3/8	4-5/8	1/8	-245	4.359 ±.030	.139 ±.004	2
QR-4246	4-1/2	4-3/4	1/8	-246	4.484 ±.030	.139 ±.004	2
QR-4247	4-5/8	4-7/8	1/8	-247	4.609 ±.030	.139 ±.004	2
QR-4248	4-3/4	5	1/8	-248	4.734 ±.030	.139 ±.004	2
QR-4249	4-7/8	5-1/8	1/8	-249	4.859 ±.035	.139 ±.004	2
QR-4250	5	5-1/4	1/8	-250	4.984 ±.035	.139 ±.004	2
QR-4251	5-1/8	5-3/8	1/8	-251	5.109 ±.035	.139 ±.004	2

STYLE QR, BUNA-N QUAD® RINGS

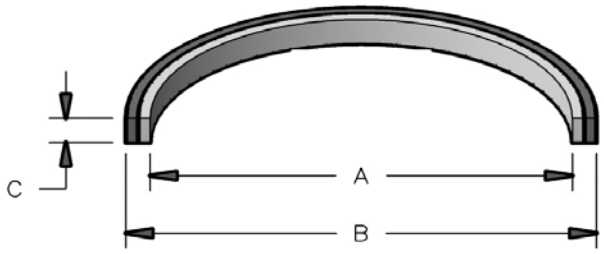
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
QR-4252	5-1/4	5-1/2	1/8	-252	5.234 ±.035	.139 ±.004	1
QR-4253	5-3/8	5-5/8	1/8	-253	5.359 ±.035	.139 ±.004	1
QR-4254	5-1/2	5-3/4	1/8	-254	5.484 ±.035	.139 ±.004	1
QR-4255	5-5/8	5-7/8	1/8	-255	5.609 ±.035	.139 ±.004	1
QR-4256	5-3/4	6	1/8	-256	5.734 ±.035	.139 ±.004	1
QR-4257	5-7/8	6-1/8	1/8	-257	5.859 ±.035	.139 ±.004	1
QR-4258	6	6-1/4	1/8	-258	5.984 ±.035	.139 ±.004	1
QR-4259	6-1/4	6-1/2	1/8	-259	6.234 ±.040	.139 ±.004	1
QR-4260	6-1/2	6-3/4	1/8	-260	6.484 ±.040	.139 ±.004	1
QR-4261	6-3/4	7	1/8	-261	6.734 ±.040	.139 ±.004	1
QR-4263	7-1/4	7-1/2	1/8	-263	7.234 ±.045	.139 ±.004	1
QR-4265	7-3/4	8	1/8	-265	7.734 ±.045	.139 ±.004	1
QR-4266	8	8-1/4	1/8	-266	7.984 ±.045	.139 ±.004	1
QR-4268	8-1/2	8-3/4	1/8	-268	8.484 ±.050	.139 ±.004	1
QR-4278	12	12-1/4	1/8	-278	11.984 ±.065	.139 ±.004	1
				3/16" C/S			
QR-4314	3/4	1-1/8	3/16	-314	.725 ±.010	.210 ±.005	3
QR-4316	7/8	1-1/4	3/16	-316	.850 ±.010	.210 ±.005	3
QR-4318	1	1-3/8	3/16	-318	.975 ±.010	.210 ±.005	3
QR-4319	1-1/16	1-7/16	3/16	-319	1.037 ±.010	.210 ±.005	3
QR-4320	1-1/8	1-1/2	3/16	-320	1.100 ±.012	.210 ±.005	3
QR-4321	1-3/16	1-9/16	3/16	-321	1.162 ±.012	.210 ±.005	3
QR-4322	1-1/4	1-5/8	3/16	-322	1.225 ±.012	.210 ±.005	3
QR-4323	1-5/16	1-11/16	3/16	-323	1.287 ±.012	.210 ±.005	3
QR-4324	1-3/8	1-3/4	3/16	-324	1.350 ±.012	.210 ±.005	3
QR-4325	1-1/2	1-7/8	3/16	-325	1.475 ±.015	.210 ±.005	3
QR-4326	1-5/8	2	3/16	-326	1.600 ±.015	.210 ±.005	3
QR-4327	1-3/4	2-1/8	3/16	-327	1.725 ±.015	.210 ±.005	3
QR-4328	1-7/8	2-1/4	3/16	-328	1.850 ±.015	.210 ±.005	3
QR-4329	2	2-3/8	3/16	-329	1.975 ±.018	.210 ±.005	3
QR-4330	2-1/8	2-1/2	3/16	-330	2.100 ±.018	.210 ±.005	3
QR-4331	2-1/4	2-5/8	3/16	-331	2.225 ±.018	.210 ±.005	3
QR-4332	2-3/8	2-3/4	3/16	-332	2.350 ±.018	.210 ±.005	3
QR-4333	2-1/2	2-7/8	3/16	-333	2.475 ±.020	.210 ±.005	3
QR-4334	2-5/8	3	3/16	-334	2.600 ±.020	.210 ±.005	3
QR-4335	2-3/4	3-1/8	3/16	-335	2.725 ±.020	.210 ±.005	2
QR-4336	2-7/8	3-1/4	3/16	-336	2.850 ±.020	.210 ±.005	2
QR-4337	3	3-3/8	3/16	-337	2.975 ±.024	.210 ±.005	2
QR-4338	3-1/8	3-1/2	3/16	-338	3.100 ±.024	.210 ±.005	2
QR-4339	3-1/4	3-5/8	3/16	-339	3.225 ±.024	.210 ±.005	2
QR-4340	3-3/8	3-3/4	3/16	-340	3.350 ±.024	.210 ±.005	2
QR-4341	3-1/2	3-7/8	3/16	-341	3.475 ±.024	.210 ±.005	2
QR-4342	3-5/8	4	3/16	-342	3.600 ±.028	.210 ±.005	2
QR-4343	3-3/4	4-1/8	3/16	-343	3.725 ±.028	.210 ±.005	2
QR-4344	3-7/8	4-1/4	3/16	-344	3.850 ±.028	.210 ±.005	1
QR-4345	4	4-3/8	3/16	-345	3.975 ±.028	.210 ±.005	1
QR-4346	4-1/8	4-1/2	3/16	-346	4.100 ±.028	.210 ±.005	1
QR-4347	4-1/4	4-5/8	3/16	-347	4.225 ±.030	.210 ±.005	1
QR-4348	4-3/8	4-3/4	3/16	-348	4.350 ±.030	.210 ±.005	1
QR-4349	4-1/2	4-7/8	3/16	-349	4.475 ±.030	.210 ±.005	1
QR-4350	4-5/8	5	3/16	-350	4.600 ±.030	.210 ±.005	1
QR-4351	4-3/4	5-1/8	3/16	-351	4.725 ±.030	.210 ±.005	1
QR-4352	4-7/8	5-1/4	3/16	-352	4.850 ±.030	.210 ±.005	1
QR-4353	5	5-3/8	3/16	-353	4.975 ±.037	.210 ±.005	1
QR-4354	5-1/8	5-1/2	3/16	-354	5.100 ±.037	.210 ±.005	1
QR-4355	5-1/4	5-5/8	3/16	-355	5.225 ±.037	.210 ±.005	1
QR-4356	5-3/8	5-3/4	3/16	-356	5.350 ±.037	.210 ±.005	1

STYLE QR, BUNA-N QUAD® RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	O-RING DASH NUMBER	INSIDE DIAMETER	CROSS SECTION	Package Quantity
QR-4357	5-1/2	5-7/8	3/16	-357	5.475 ±.037	.210 ±.005	1
QR-4358	5-5/8	6	3/16	-358	5.600 ±.037	.210 ±.005	1
QR-4361	6	6-3/8	3/16	-361	5.975 ±.037	.210 ±.005	1
QR-4362	6-1/4	6-5/8	3/16	-362	6.225 ±.040	.210 ±.005	1
QR-4363	6-1/2	6-7/8	3/16	-363	6.475 ±.040	.210 ±.005	1
QR-4366	7-1/4	7-5/8	3/16	-366	7.225 ±.045	.210 ±.005	1
QR-4367	7-1/2	7-7/8	3/16	-367	7.475 ±.045	.210 ±.005	1
QR-4368	7-3/4	8-1/8	3/16	-368	7.725 ±.045	.210 ±.005	1
QR-4369	8	8-3/8	3/16	-369	7.975 ±.045	.210 ±.005	1
QR-4374	9-1/4	9-5/8	3/16	-374	9.225 ±.055	.210 ±.005	1
				1/4" C/S			
QR-4425	4-1/2	5	1/4	-425	4.475 ±.033	.275 ±.006	1
QR-4426	4-5/8	5-1/8	1/4	-426	4.600 ±.033	.275 ±.006	1
QR-4427	4-3/4	5-1/4	1/4	-427	4.725 ±.033	.275 ±.006	1
QR-4428	4-7/8	5-3/8	1/4	-428	4.850 ±.033	.275 ±.006	1
QR-4429	5	5-1/2	1/4	-429	4.975 ±.037	.275 ±.006	1
QR-4430	5-1/8	5-5/8	1/4	-430	5.100 ±.037	.275 ±.006	1
QR-4431	5-1/4	5-3/4	1/4	-431	5.225 ±.037	.275 ±.006	1
QR-4432	5-3/8	5-7/8	1/4	-432	5.350 ±.037	.275 ±.006	1
QR-4433	5-1/2	6	1/4	-433	5.475 ±.037	.275 ±.006	1
QR-4434	5-5/8	6-1/8	1/4	-434	5.600 ±.037	.275 ±.006	1
QR-4435	5-3/4	6-1/4	1/4	-435	5.725 ±.037	.275 ±.006	1
QR-4436	5-7/8	6-3/8	1/4	-436	5.850 ±.037	.275 ±.006	1
QR-4437	6	6-1/2	1/4	-437	5.975 ±.037	.275 ±.006	1
QR-4438	6-1/4	6-3/4	1/4	-438	6.225 ±.040	.275 ±.006	1
QR-4439	6-1/2	7	1/4	-439	6.475 ±.040	.275 ±.006	1
QR-4440	6-3/4	7-1/4	1/4	-440	6.725 ±.040	.275 ±.006	1
QR-4441	7	7-1/2	1/4	-441	6.975 ±.040	.275 ±.006	1
QR-4442	7-1/4	7-3/4	1/4	-442	7.225 ±.045	.275 ±.006	1
QR-4443	7-1/2	8	1/4	-443	7.475 ±.045	.275 ±.006	1
QR-4444	7-3/4	8-1/4	1/4	-444	7.725 ±.045	.275 ±.006	1
QR-4445	8	8-1/2	1/4	-445	7.975 ±.045	.275 ±.006	1
QR-4446	8-1/2	9	1/4	-446	8.475 ±.055	.275 ±.006	1
QR-4447	9	9-1/2	1/4	-447	8.975 ±.055	.275 ±.006	1
QR-4448	9-1/2	10	1/4	-448	9.475 ±.055	.275 ±.006	1
QR-4450	10-1/2	11	1/4	-450	10.475 ±.060	.275 ±.006	1
QR-4452	11-1/2	12	1/4	-452	11.475 ±.060	.275 ±.006	1
QR-4453	12	12-1/2	1/4	-453	11.975 ±.060	.275 ±.006	1
QR-4454	12-1/2	13	1/4	-454	12.475 ±.060	.275 ±.006	1
QR-4455	13	13-1/2	1/4	-455	12.975 ±.060	.275 ±.006	1
QR-4458	14-1/2	15	1/4	-458	14.475 ±.070	.275 ±.006	1
QR-4464	17-1/2	18	1/4	-464	17.455 ±.085	.275 ±.006	1

STYLE SFS SPLIT FLANGE SEALS

FOR 4-BOLT SPLIT FLANGE CONNECTORS - Flange seals are a one piece dual durometer urethane static seal. The black outer part is a tough, extrusion-resistant 95 Durometer urethane, and the yellow inner layer is 57 Durometer with low compression set and excellent sealing properties. These seals are a direct replacement for o-rings and do not require modification to any split flange groove. **For SAE J518 4-bolt Code 61/62 Split Flanges.**



SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	STATIC

PART NUMBERS

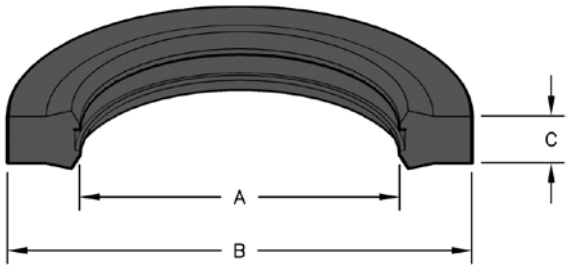
SFS - 8
Prefix — Dash Number

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section	O-RING DASH NUMBER	G HOUSING DIAMETER	AXIAL GROOVE WIDTH	RADIAL GROOVE WIDTH	C HEIGHT	CROSS SECTION	FLANGE SIZE
SFS-8	3/4	1	1/8	1/8	-210	1.000 +.005 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	.500
SFS-12	1	1-1/4	1/8	1/8	-214	1.250 +.005 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	.750
SFS-16	1-5/16	1-9/16	1/8	1/8	-219	1.565 +.005 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	1.000
SFS-20	1-1/2	1-3/4	1/8	1/8	-222	1.750 +.005 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	1.250
SFS-24	1-7/8	2-1/8	1/8	1/8	-225	2.115 +.010 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	1.500
SFS-32	2-1/4	2-1/2	1/8	1/8	-228	2.490 +.010 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	2.000
SFS-40	2-3/4	3	1/8	1/8	-232	2.995 +.010 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	2.500
SFS-48	3-3/8	3-5/8	1/8	1/8	-237	3.615 +.010 +.000	.110 +.005 +.000	.165 ±.010	.130 ±.005	.115 ±.005	3.000

Split Flange Seal Kits Also Available - See the Kits & Tools Section

STYLE PFS SPLIT FLANGE SEALS

Molded in 92A urethane, this seal was developed to replace an o-ring in SAE J518 code 61/62 split flange applications.

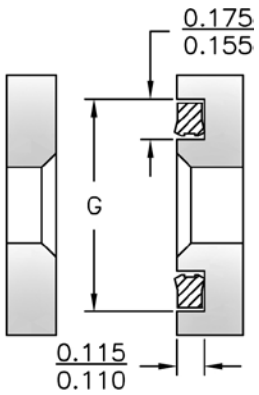


PART NUMBERS

PFS - 08

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40 - +212° F
PRESSURE RANGE	0 TO 7200 PSI
SPEED	STATIC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section	O-RING DASH NUMBER	G HOUSING DIAMETER	AXIAL GROOVE WIDTH	RADIAL GROOVE WIDTH	FLANGE SIZE
PFS-08	3/4	1	1/8	1/8	-210	1.000 +.005 +.000	.110 +.005 +.000	.165 ±.010	.500
PFS-12	1	1-1/4	1/8	1/8	-214	1.250 +.005 +.000	.110 +.005 +.000	.165 ±.010	.750
PFS-16	1-5/16	1-9/16	1/8	1/8	-219	1.565 +.005 +.000	.110 +.005 +.000	.165 ±.010	1.000
PFS-20	1-1/2	1-3/4	1/8	1/8	-222	1.750 +.005 +.000	.110 +.005 +.000	.165 ±.010	1.250
PFS-24	1-7/8	2-1/8	1/8	1/8	-225	2.115 +.010 +.000	.110 +.005 +.000	.165 ±.010	1.500
PFS-32	2-1/4	2-1/2	1/8	1/8	-228	2.490 +.010 +.000	.110 +.005 +.000	.165 ±.010	2.000
PFS-40	2-3/4	3	1/8	1/8	-232	2.995 +.010 +.000	.110 +.005 +.000	.165 ±.010	2.500

Seal color may vary.

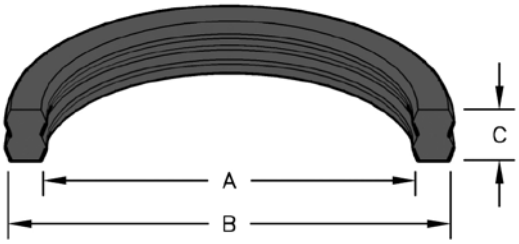
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE HS568 HEAD SEALS

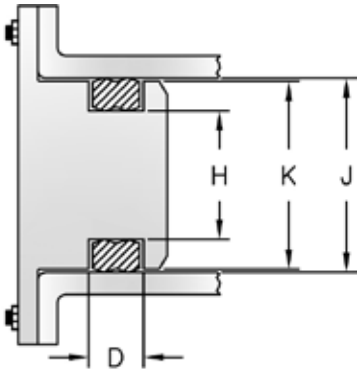
Molded in 90A urethane, this seal was developed to be used as a head seal and to replace an o-ring and a back-up. Its symmetrical one-piece design reduces the risk of installation damage and back-up blow-out.



PART NUMBERS

HS568 - 022

Prefix — Dash Number



SEAL INFORMATION	
MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40 - +212° F
PRESSURE RANGE	0 TO 10000 PSI
SPEED	STATIC

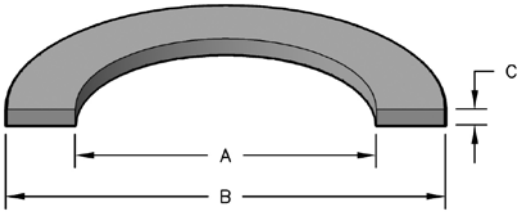
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	K HEAD DIAMETER	J BORE DIAMETER
1/16" C/S							
HS568-022	1	1-1/8	1/8	.138 +.005 +.000	1.153 +.000 -.002	1.122 +.000 -.001	1.125 +.002 +.000
1/8" C/S							
HS568-224	1-3/4	2	3/16	.208 +.005 +.000	1.778 +.000 -.004	1.997 +.000 -.001	2.000 +.002 +.000
HS568-228	2-1/4	2-1/2	3/16	.208 +.005 +.000	2.278 +.000 -.002	2.497 +.000 -.001	2.500 +.002 +.000
HS568-230	2-1/2	2-3/4	3/16	.208 +.005 +.000	2.528 +.000 -.002	2.747 +.000 -.001	2.750 +.002 +.000
HS568-232	2-3/4	3	3/16	.208 +.005 +.000	2.778 +.000 -.002	2.997 +.000 -.001	3.000 +.002 +.000
HS568-234	3	3-1/4	3/16	.208 +.005 +.000	3.028 +.000 -.002	3.247 +.000 -.001	3.250 +.002 +.000
HS568-235	3-1/8	3-3/8	3/16	.208 +.005 +.000	3.153 +.000 -.002	3.372 +.000 -.001	3.375 +.002 +.000
HS568-236	3-1/4	3-1/2	3/16	.208 +.005 +.000	3.278 +.000 -.002	3.497 +.000 -.001	3.500 +.002 +.000
HS568-238	3-1/2	3-3/4	3/16	.208 +.005 +.000	3.528 +.000 -.002	3.747 +.000 -.001	3.750 +.002 +.000
HS568-240	3-3/4	4	3/16	.208 +.005 +.000	3.778 +.000 -.002	3.997 +.000 -.001	4.000 +.002 +.000
HS568-242	4	4-1/4	3/16	.208 +.005 +.000	4.028 +.000 -.002	4.247 +.000 -.001	4.250 +.002 +.000
HS568-244	4-1/4	4-1/2	3/16	.208 +.005 +.000	4.278 +.000 -.002	4.497 +.000 -.001	4.500 +.002 +.000
HS568-246	4-1/2	4-3/4	3/16	.208 +.005 +.000	4.528 +.000 -.002	4.747 +.000 -.001	4.750 +.002 +.000
HS568-248	4-3/4	5	3/16	.208 +.005 +.000	4.778 +.000 -.002	4.997 +.000 -.001	5.000 +.002 +.000

STYLE HS568 HEAD SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	K HEAD DIAMETER	J BORE DIAMETER
HS568-250	5	5-1/4	3/16	.208 +.005 +.000	5.028 +.000 -.004	5.247 +.000 -.001	5.250 +.002 +.000
HS568-251	5-1/8	5-3/8	3/16	.208 +.005 +.000	5.153 +.000 -.004	5.372 +.000 -.001	5.375 +.002 +.000
HS568-252	5-1/4	5-1/2	3/16	.208 +.005 +.000	5.278 +.000 -.004	5.497 +.000 -.001	5.500 +.002 +.000
HS568-254	5-1/2	5-3/4	3/16	.208 +.005 +.000	5.528 +.000 -.004	5.747 +.000 -.001	5.750 +.002 +.000
HS568-256	5-3/4	6	3/16	.208 +.005 +.000	5.778 +.000 -.004	5.997 +.000 -.001	6.000 +.002 +.000
HS568-261	6-3/4	7	3/16	.208 +.005 +.000	6.778 +.000 -.004	6.997 +.000 -.001	7.000 +.002 +.000
3/16" C/S							
HS568-338	3-1/8	3-1/2	9/32	.311 +.005 +.000	3.160 +.000 -.004	3.497 +.000 -.001	3.500 +.002 +.000
HS568-342	3-5/8	4	9/32	.311 +.005 +.000	3.660 +.000 -.004	3.997 +.000 -.001	4.000 +.002 +.000
HS568-344	3-7/8	4-1/4	9/32	.311 +.005 +.000	3.910 +.000 -.004	4.247 +.000 -.001	4.250 +.002 +.000
HS568-346	4-1/8	4-1/2	9/32	.311 +.005 +.000	4.160 +.000 -.004	4.497 +.000 -.001	4.500 +.002 +.000
HS568-348	4-3/8	4-3/4	9/32	.311 +.005 +.000	4.410 +.000 -.004	4.747 +.000 -.001	4.750 +.002 +.000
HS568-350	4-5/8	5	9/32	.311 +.005 +.000	4.660 +.000 -.004	4.997 +.000 -.001	5.000 +.002 +.000
HS568-352	4-7/8	5-1/4	9/32	.311 +.005 +.000	4.910 +.000 -.004	5.247 +.000 -.001	5.250 +.002 +.000
HS568-353	5	5-3/8	9/32	.311 +.005 +.000	5.035 +.000 -.004	5.372 +.000 -.001	5.375 +.002 +.000
HS568-354	5-1/8	5-1/2	9/32	.311 +.005 +.000	5.160 +.000 -.004	5.497 +.000 -.001	5.500 +.002 +.000
HS568-356	5-3/8	5-3/4	9/32	.311 +.005 +.000	5.410 +.000 -.004	5.747 +.000 -.001	5.750 +.002 +.000
HS568-358	5-5/8	6	9/32	.311 +.005 +.000	5.660 +.000 -.004	5.997 +.000 -.001	6.000 +.002 +.000
HS568-360	5-7/8	6-1/4	9/32	.311 +.005 +.000	5.910 +.000 -.004	6.247 +.000 -.001	6.250 +.002 +.000

STYLE VMG FIBER GASKETS

Our style VMG gaskets are used in moderate duty applications as tube end seals and o-ring back-ups. The gaskets are made of a protein and glycerin impregnated fiber.



PART NUMBERS

VMG - 128

Prefix — Dash Number

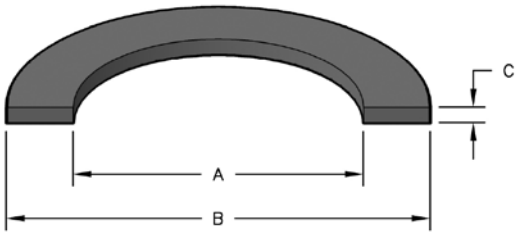
SEAL INFORMATION	
MATERIAL	IMPREGNATED FIBER
TEMPERATURE RANGE	MAX 250° F

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
VMG-128	1-1/2	1-11/16	.031
VMG-326	1-5/8	2	.031
VMG-136	2	2-3/16	.031
VMG-144	2-1/2	2-11/16	.031
VMG-334	2-5/8	3	.031
VMG-2.62X3.87X.030	2-5/8	3-7/8	.031
VMG-151	3	3-3/16	.031
VMG-238	3-1/2	3-3/4	.031
VMG-242	4	4-1/4	.031
VMG-247	4-5/8	4-7/8	.031
VMG-250	5	5-1/4	.031
VMG-258	6	6-1/4	.031
VMG-266	8	8-1/4	.031

STYLE 573 HYTREL BACK-UP RINGS

Molded of 55D Durometer Hytrel, these back-up rings provide excellent extrusion resistance and tolerance to fluids such as phosphate esters, hydraulic oil and water. Stretched for installation, they return quickly to their original size for easy installation.

NOTE: Sizes (Dash No.) correspond to standard o-ring numbers.



PART NUMBERS

573 - 006

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	55D HYTREL
TEMPERATURE RANGE	-65° TO +275° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
			1/16" C/S		
573-006	1/8	1/4	.05	.045 ±.005	10
573-009	7/32	11/32	.05	.045 ±.005	10
573-010	1/4	3/8	.05	.045 ±.005	10
573-011	5/16	7/16	.05	.045 ±.005	10
573-012	3/8	1/2	.05	.045 ±.005	10
573-014-03	1/2	5/8	.03	.027 ±.005	10
573-014	1/2	5/8	.05	.050 ±.005	10
573-015	9/16	11/16	.05	.050 ±.005	10
573-016	5/8	3/4	.05	.050 ±.005	10
573-016.5	21/32	25/32	.05	.050 ±.005	5
573-017	11/16	13/16	.05	.050 ±.005	10
573-018	3/4	7/8	.05	.050 ±.005	10
573-019	13/16	15/16	.05	.050 ±.005	10
573-020	7/8	1	.05	.050 ±.005	10
573-021	15/16	1-1/16	.05	.050 ±.005	10
573-022	1	1-1/8	.05	.050 ±.005	10
573-023	1-1/16	1-3/16	.05	.050 ±.005	10
573-024	1-1/8	1-1/4	.05	.050 ±.005	10
573-025	1-3/16	1-5/16	.05	.050 ±.005	10
573-026	1-1/4	1-3/8	.05	.050 ±.005	10
573-027	1-5/16	1-7/16	.05	.050 ±.005	10
573-028	1-3/8	1-1/2	.05	.050 ±.005	10
573-029	1-1/2	1-5/8	.05	.050 ±.005	10
573-030	1-5/8	1-3/4	.05	.050 ±.005	10
573-031	1-3/4	1-7/8	.05	.050 ±.005	10
573-032	1-7/8	2	.05	.050 ±.005	10
573-033	2	2-1/8	.05	.050 ±.005	10
573-034	2-1/8	2-1/4	.05	.050 ±.005	10
573-035	2-1/4	2-3/8	.05	.050 ±.005	10
573-036	2-3/8	2-1/2	.05	.050 ±.005	10
573-037	2-1/2	2-5/8	.05	.050 ±.005	10
573-038	2-5/8	2-3/4	.05	.050 ±.005	10
573-039	2-3/4	2-7/8	.05	.050 ±.005	10
573-040	2-7/8	3	.05	.050 ±.005	10
573-041	3	3-1/8	.05	.050 ±.005	10
573-042	3-1/4	3-3/8	.05	.050 ±.005	10
573-043	3-1/2	3-5/8	.05	.050 ±.005	10
573-044	3-3/4	3-7/8	.05	.050 ±.005	2
573-045	4	4-1/8	.05	.050 ±.005	2
573-048	4-3/4	4-7/8	.05	.050 ±.005	2

STYLE 573 HYTREL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
573-049	5	5-1/8	.05	.050 ±.005	2
573-050	5-1/4	5-3/8	.05	.050 ±.005	2
			3/32" C/S		
573-110	3/8	9/16	.05	.050 ±.005	10
573-111	7/16	5/8	.05	.050 ±.005	9
573-112	1/2	11/16	.05	.050 ±.005	9
573-113	9/16	3/4	.05	.050 ±.005	9
573-114	5/8	13/16	.05	.050 ±.005	9
573-115	11/16	7/8	.05	.050 ±.005	9
573-116	3/4	15/16	.05	.050 ±.005	9
573-117	13/16	1	.05	.050 ±.005	9
573-118	7/8	1-1/16	.05	.050 ±.005	9
573-119	15/16	1-1/8	.05	.050 ±.005	9
573-120	1	1-3/16	.05	.050 ±.005	8
573-122	1-1/8	1-5/16	.05	.050 ±.005	8
573-123	1-3/16	1-3/8	.05	.050 ±.005	8
573-124	1-1/4	1-7/16	.05	.050 ±.005	8
573-125	1-5/16	1-1/2	.05	.050 ±.005	8
573-126	1-3/8	1-9/16	.05	.050 ±.005	8
573-127	1-7/16	1-5/8	.05	.050 ±.005	8
573-128	1-1/2	1-11/16	.05	.050 ±.005	8
573-129	1-9/16	1-3/4	.05	.050 ±.005	8
573-130	1-5/8	1-13/16	.05	.050 ±.005	8
573-131	1-11/16	1-7/8	.05	.050 ±.005	8
573-132	1-3/4	1-15/16	.05	.050 ±.005	8
573-133	1-13/16	2	.05	.050 ±.005	8
573-134	1-7/8	2-1/16	.05	.050 ±.005	8
573-135	1-15/16	2-1/8	.05	.050 ±.005	8
573-136	2	2-3/16	.05	.050 ±.005	8
573-137	2-1/16	2-1/4	.05	.050 ±.005	8
573-138	2-1/8	2-5/16	.05	.050 ±.005	8
573-139	2-3/16	2-3/8	.05	.050 ±.005	8
573-140	2-1/4	2-7/16	.05	.050 ±.005	7
573-141	2-5/16	2-1/2	.05	.050 ±.005	7
573-142	2-3/8	2-9/16	.05	.050 ±.005	7
573-143	2-7/16	2-5/8	.05	.050 ±.005	7
573-144	2-1/2	2-11/16	.05	.050 ±.005	6
573-145	2-9/16	2-3/4	.05	.050 ±.005	6
573-146	2-5/8	2-13/16	.05	.050 ±.005	6
573-147	2-11/16	2-7/8	.05	.050 ±.005	6
573-148	2-3/4	2-15/16	.05	.050 ±.005	6
573-149	2-13/16	3	.05	.050 ±.005	6
573-150	2-7/8	3-1/16	.05	.050 ±.005	6
573-151	3	3-3/16	.05	.050 ±.005	6
573-152	3-1/4	3-7/16	.05	.050 ±.005	5
573-153	3-1/2	3-11/16	.05	.050 ±.005	5
573-154	3-3/4	3-15/16	.05	.050 ±.005	3
573-155	4	4-3/16	.05	.050 ±.005	3
573-156	4-1/4	4-7/16	.05	.050 ±.005	5
573-158	4-3/4	4-15/16	.05	.050 ±.005	3
573-159	5	5-3/16	.05	.050 ±.005	3
573-160	5-1/4	5-7/16	.05	.050 ±.005	3
573-161	5-1/2	5-11/16	.05	.050 ±.005	3
573-162	5-3/4	5-15/16	.05	.050 ±.005	3
573-163	6	6-3/16	.05	.050 ±.005	3
			1/8" C/S		
573-206	1/2	3/4	.05	.050 ±.005	10

STYLE 573 HYTREL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
573-207	9/16	13/16	.05	.050 ±.005	10
573-208	5/8	7/8	.05	.050 ±.005	10
573-209	11/16	15/16	.05	.050 ±.005	10
573-210	3/4	1	.05	.050 ±.005	9
573-211	13/16	1-1/16	.05	.050 ±.005	9
573-212	7/8	1-1/8	.05	.050 ±.005	9
573-213	15/16	1-3/16	.05	.050 ±.005	9
573-214	1	1-1/4	.05	.050 ±.005	9
573-215	1-1/16	1-5/16	.05	.050 ±.005	9
573-216	1-1/8	1-3/8	.05	.050 ±.005	9
573-217	1-3/16	1-7/16	.05	.050 ±.005	9
573-218	1-1/4	1-1/2	.05	.050 ±.005	9
573-219	1-5/16	1-9/16	.05	.050 ±.005	9
573-220	1-3/8	1-5/8	.05	.050 ±.005	10
573-221	1-7/16	1-11/16	.05	.050 ±.005	10
573-222	1-1/2	1-3/4	.05	.050 ±.005	10
573-223	1-5/8	1-7/8	.05	.050 ±.005	8
573-224	1-3/4	2	.05	.050 ±.005	8
573-225	1-7/8	2-1/8	.05	.050 ±.005	10
573-226	2	2-1/4	.05	.050 ±.005	10
573-227	2-1/8	2-3/8	.05	.050 ±.005	10
573-228	2-1/4	2-1/2	.05	.050 ±.005	10
573-229	2-3/8	2-5/8	.05	.050 ±.005	10
573-230	2-1/2	2-3/4	.05	.050 ±.005	7
573-231	2-5/8	2-7/8	.05	.050 ±.005	7
573-232	2-3/4	3	.05	.050 ±.005	7
573-233	2-7/8	3-1/8	.05	.050 ±.005	7
573-234	3	3-1/4	.05	.050 ±.005	6
573-235	3-1/8	3-3/8	.05	.050 ±.005	6
573-236	3-1/4	3-1/2	.05	.050 ±.005	6
573-237	3-3/8	3-5/8	.05	.050 ±.005	5
573-238	3-1/2	3-3/4	.05	.050 ±.005	5
573-239	3-5/8	3-7/8	.05	.050 ±.005	5
573-240	3-3/4	4	.05	.050 ±.005	5
573-241	3-7/8	4-1/8	.05	.050 ±.005	5
573-242	4	4-1/4	.05	.050 ±.005	5
573-243	4-1/8	4-3/8	.05	.050 ±.005	5
573-244	4-1/4	4-1/2	.05	.050 ±.005	4
573-245	4-3/8	4-5/8	.05	.050 ±.005	4
573-246	4-1/2	4-3/4	.05	.050 ±.005	3
573-247	4-5/8	4-7/8	.05	.050 ±.005	3
573-248	4-3/4	5	.05	.050 ±.005	3
573-249	4-7/8	5-1/8	.05	.050 ±.005	3
573-250	5	5-1/4	.05	.050 ±.005	3
573-251	5-1/8	5-3/8	.05	.050 ±.005	3
573-252	5-1/4	5-1/2	.05	.050 ±.005	3
573-253	5-3/8	5-5/8	.05	.050 ±.005	1
573-254	5-1/2	5-3/4	.05	.050 ±.005	3
573-255	5-5/8	5-7/8	.05	.050 ±.005	2
573-256	5-3/4	6	.05	.050 ±.005	2
573-257	5-7/8	6-1/8	.05	.050 ±.005	2
573-258	6	6-1/4	.05	.050 ±.005	2
573-259	6-1/4	6-1/2	.05	.050 ±.005	2
573-260	6-1/2	6-3/4	.05	.050 ±.005	2
573-261	6-3/4	7	.05	.050 ±.005	2
573-262	7	7-1/4	.05	.050 ±.005	2
573-263	7-1/4	7-1/2	.05	.050 ±.005	2

STYLE 573 HYTREL BACK-UP RINGS

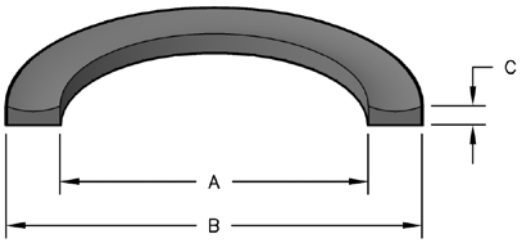
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
573-264	7-1/2	7-3/4	.05	.050 ±.005	2
573-265	7-3/4	8	.05	.050 ±.005	2
573-266	8	8-1/4	.05	.050 ±.005	2
573-267	8-1/4	8-1/2	.05	.050 ±.005	2
573-268	8-1/2	8-3/4	.05	.050 ±.005	2
573-269	8-3/4	9	.05	.050 ±.005	2
573-272	9-1/2	9-3/4	.05	.050 ±.005	1
573-273	9-3/4	10	.05	.050 ±.005	1
573-275	10-1/2	10-3/4	.05	.050 ±.005	1
573-276	11	11-1/4	.05	.050 ±.005	1
573-278	12	12-1/4	.05	.050 ±.005	1
			3/16" C/S		
573-312	5/8	1	.07	.070 ±.006	9
573-314	3/4	1-1/8	.07	.070 ±.006	8
573-316	7/8	1-1/4	.07	.070 ±.006	8
573-318	1	1-3/8	.07	.070 ±.006	8
573-319	1-1/16	1-7/16	.07	.070 ±.006	8
573-320	1-1/8	1-1/2	.07	.070 ±.006	8
573-322	1-1/4	1-5/8	.07	.070 ±.006	8
573-323	1-5/16	1-11/16	.07	.070 ±.006	8
573-324	1-3/8	1-3/4	.07	.070 ±.006	8
573-325	1-1/2	1-7/8	.07	.070 ±.006	8
573-326	1-5/8	2	.07	.070 ±.006	8
573-327	1-3/4	2-1/8	.07	.070 ±.006	8
573-328	1-7/8	2-1/4	.07	.070 ±.006	8
573-329	2	2-3/8	.07	.070 ±.006	8
573-330	2-1/8	2-1/2	.07	.070 ±.006	8
573-331	2-1/4	2-5/8	.07	.070 ±.006	8
573-332	2-3/8	2-3/4	.07	.070 ±.006	8
573-333	2-1/2	2-7/8	.07	.070 ±.006	8
573-334	2-5/8	3	.07	.070 ±.006	7
573-335	2-3/4	3-1/8	.07	.070 ±.006	7
573-336	2-7/8	3-1/4	.07	.070 ±.006	7
573-337	3	3-3/8	.07	.070 ±.006	7
573-338	3-1/8	3-1/2	.07	.070 ±.006	7
573-339	3-1/4	3-5/8	.07	.070 ±.006	6
573-340	3-3/8	3-3/4	.07	.070 ±.006	6
573-341	3-1/2	3-7/8	.07	.070 ±.006	6
573-342	3-5/8	4	.07	.070 ±.006	5
573-343	3-3/4	4-1/8	.07	.070 ±.006	5
573-344	3-7/8	4-1/4	.07	.070 ±.006	4
573-345	4	4-3/8	.07	.070 ±.006	4
573-346	4-1/8	4-1/2	.07	.070 ±.006	4
573-347	4-1/4	4-5/8	.07	.070 ±.006	4
573-348	4-3/8	4-3/4	.07	.070 ±.006	4
573-350	4-5/8	5	.07	.070 ±.006	3
573-351	4-3/4	5-1/8	.07	.070 ±.006	3
573-352	4-7/8	5-1/4	.07	.070 ±.006	3
573-353	5	5-3/8	.07	.070 ±.006	3
573-354	5-1/8	5-1/2	.07	.070 ±.006	3
573-355	5-1/4	5-5/8	.07	.070 ±.006	3
573-356	5-3/8	5-3/4	.07	.070 ±.006	3
573-357	5-1/2	5-7/8	.07	.070 ±.006	2
573-358	5-5/8	6	.07	.070 ±.006	2
573-359	5-3/4	6-1/8	.07	.070 ±.006	2
573-360	5-7/8	6-1/4	.07	.070 ±.006	2
573-361	6	6-3/8	.07	.070 ±.006	2

STYLE 573 HYTREL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
573-362	6-1/4	6-5/8	.07	.070 ±.006	1
573-363	6-1/2	6-7/8	.07	.070 ±.006	2
573-364	6-3/4	7-1/8	.07	.070 ±.006	2
573-366	7-1/4	7-5/8	.07	.070 ±.006	2
573-367	7-1/2	7-7/8	.07	.070 ±.006	2
573-368	7-3/4	8-1/8	.07	.070 ±.006	2
573-370	8-1/4	8-5/8	.07	.070 ±.006	2
573-372	8-3/4	9-1/8	.07	.070 ±.006	1
573-375	9-1/2	9-7/8	.07	.070 ±.006	2
573-376	9-3/4	10-1/8	.07	.070 ±.004	1
			1/4" C/S		
573-425	4-1/2	5	.105	.105 ±.006	3
573-426	4-5/8	5-1/8	.105	.105 ±.006	3
573-427	4-3/4	5-1/4	.105	.105 ±.006	3
573-428	4-7/8	5-3/8	.105	.105 ±.006	3
573-429	5	5-1/2	.105	.105 ±.006	3
573-430	5-1/8	5-5/8	.105	.105 ±.006	3
573-431	5-1/4	5-3/4	.105	.105 ±.006	3
573-432	5-3/8	5-7/8	.105	.105 ±.006	2
573-433	5-1/2	6	.105	.105 ±.006	2
573-434	5-5/8	6-1/8	.105	.105 ±.006	2
573-435	5-3/4	6-1/4	.105	.105 ±.006	2
573-436	5-7/8	6-3/8	.105	.105 ±.006	2
573-437	6	6-1/2	.105	.105 ±.006	2
573-438	6-1/4	6-3/4	.105	.105 ±.006	2
573-439	6-1/2	7	.105	.105 ±.006	2
573-440	6-3/4	7-1/4	.105	.105 ±.006	2
573-441	7	7-1/2	.105	.105 ±.006	2
573-442	7-1/4	7-3/4	.105	.105 ±.006	2
573-443	7-1/2	8	.105	.105 ±.006	2
573-444	7-3/4	8-1/4	.105	.105 ±.006	1
573-445	8	8-1/2	.105	.105 ±.006	1
573-446	8-1/2	9	.105	.105 ±.006	1
573-447	9	9-1/2	.105	.105 ±.006	1
573-448	9-1/2	10	.105	.105 ±.006	1
573-450	10-1/2	11	.105	.105 ±.006	1
573-451	11	11-1/2	.105	.105 ±.006	1
573-452	11-1/2	12	.105	.105 ±.006	1
573-453	12	12-1/2	.105	.105 ±.006	1
573-454	12-1/2	13	.105	.105 ±.006	1
573-455	13	13-1/2	.105	.105 ±.006	1
573-456	13-1/2	14	.105	.105 ±.006	1

STYLE 574 BUNA-N BACK-UP RINGS

Molded of 90A Durometer Buna-N Rubber, these "Parback®" Style Dished Cross Section back-up rings provide excellent extrusion resistance. Stretched for installation, they return quickly to their original size for easy installation.
NOTE: Sizes (Dash No.) correspond to standard o-ring numbers.



PART NUMBERS

574 - 004
Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	90A BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
			1/16" C/S		
574-004	5/64	13/64	.049	.045 ±.003	25
574-005	3/32	7/32	.049	.045 ±.003	25
574-006	1/8	1/4	.049	.045 ±.003	25
574-007	5/32	9/32	.049	.045 ±.003	25
574-008	3/16	5/16	.049	.045 ±.003	25
574-009	7/32	11/32	.049	.045 ±.003	25
574-010	1/4	3/8	.049	.045 ±.003	25
574-011	5/16	7/16	.049	.045 ±.003	25
574-012	3/8	1/2	.049	.045 ±.003	25
574-013	7/16	9/16	.049	.045 ±.003	25
574-014	1/2	5/8	.049	.045 ±.003	25
574-015	9/16	11/16	.049	.045 ±.003	25
574-016	5/8	3/4	.049	.045 ±.003	25
574-017	11/16	13/16	.049	.045 ±.003	25
574-018	3/4	7/8	.049	.045 ±.003	25
574-019	13/16	15/16	.049	.045 ±.003	25
574-020	7/8	1	.049	.045 ±.003	25
574-021	15/16	1-1/16	.049	.045 ±.003	25
574-022	1	1-1/8	.049	.045 ±.003	25
574-023	1-1/16	1-3/16	.049	.045 ±.003	25
574-024	1-1/8	1-1/4	.049	.045 ±.003	25
574-025	1-3/16	1-5/16	.049	.045 ±.003	25
574-026	1-1/4	1-3/8	.049	.045 ±.003	25
574-027	1-5/16	1-7/16	.049	.045 ±.003	25
574-028	1-3/8	1-1/2	.049	.045 ±.003	10
574-029	1-1/2	1-5/8	.049	.045 ±.003	10
574-030	1-5/8	1-3/4	.049	.045 ±.003	10
574-031	1-3/4	1-7/8	.049	.045 ±.003	10
574-032	1-7/8	2	.049	.045 ±.003	10
574-033	2	2-1/8	.049	.045 ±.003	10
574-034	2-1/8	2-1/4	.049	.045 ±.003	10
574-035	2-1/4	2-3/8	.049	.045 ±.003	10
574-036	2-3/8	2-1/2	.049	.045 ±.003	10
574-037	2-1/2	2-5/8	.049	.045 ±.003	10
574-038	2-5/8	2-3/4	.049	.045 ±.003	10
574-039	2-3/4	2-7/8	.049	.045 ±.003	10
574-040	2-7/8	3	.049	.045 ±.003	10
574-041	3	3-1/8	.049	.045 ±.003	10
574-042	3-1/4	3-3/8	.049	.045 ±.003	10
574-043	3-1/2	3-5/8	.049	.045 ±.003	10

STYLE 574 BUNA-N BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-044	3-3/4	3-7/8	.049	.045 ±.003	5
574-045	4	4-1/8	.049	.045 ±.003	5
574-046	4-1/4	4-3/8	.049	.045 ±.003	5
574-047	4-1/2	4-5/8	.049	.045 ±.003	5
574-048	4-3/4	4-7/8	.049	.045 ±.003	5
574-049	5	5-1/8	.049	.045 ±.003	5
574-050	5-1/4	5-3/8	.049	.045 ±.003	5
			3/32" C/S		
574-102	1/16	1/4	.053	.045 ±.003	25
574-103	3/32	9/32	.053	.045 ±.003	25
574-104	1/8	5/16	.053	.045 ±.003	25
574-105	5/32	11/32	.053	.045 ±.003	25
574-106	3/16	3/8	.053	.045 ±.003	25
574-107	7/32	13/32	.053	.045 ±.003	25
574-108	1/4	7/16	.053	.045 ±.003	25
574-109	5/16	1/2	.053	.045 ±.003	25
574-110	3/8	9/16	.053	.045 ±.003	25
574-111	7/16	5/8	.053	.045 ±.003	25
574-112	1/2	11/16	.053	.045 ±.003	25
574-113	9/16	3/4	.053	.045 ±.003	25
574-114	5/8	13/16	.053	.045 ±.003	25
574-115	11/16	7/8	.053	.045 ±.003	25
574-116	3/4	15/16	.053	.045 ±.003	25
574-117	13/16	1	.053	.045 ±.003	25
574-118	7/8	1-1/16	.053	.045 ±.003	25
574-119	15/16	1-1/8	.053	.045 ±.003	25
574-120	1	1-3/16	.053	.045 ±.003	25
574-121	1-1/16	1-1/4	.053	.045 ±.003	25
574-122	1-1/8	1-5/16	.053	.045 ±.003	25
574-123	1-3/16	1-3/8	.053	.045 ±.003	25
574-124	1-1/4	1-7/16	.053	.045 ±.003	25
574-125	1-5/16	1-1/2	.053	.045 ±.003	25
574-126	1-3/8	1-9/16	.053	.045 ±.003	10
574-127	1-7/16	1-5/8	.053	.045 ±.003	10
574-128	1-1/2	1-11/16	.053	.045 ±.003	10
574-129	1-9/16	1-3/4	.053	.045 ±.003	10
574-130	1-5/8	1-13/16	.053	.045 ±.003	10
574-131	1-11/16	1-7/8	.053	.045 ±.003	10
574-132	1-3/4	1-15/16	.053	.045 ±.003	10
574-133	1-13/16	2	.053	.045 ±.003	10
574-134	1-7/8	2-1/16	.053	.045 ±.003	10
574-135	1-15/16	2-1/8	.053	.045 ±.003	10
574-136	2	2-3/16	.053	.045 ±.003	10
574-137	2-1/16	2-1/4	.053	.045 ±.003	10
574-138	2-1/8	2-5/16	.053	.045 ±.003	10
574-139	2-3/16	2-3/8	.053	.045 ±.003	10
574-140	2-1/4	2-7/16	.053	.045 ±.003	10
574-141	2-5/16	2-1/2	.053	.045 ±.003	10
574-142	2-3/8	2-9/16	.053	.045 ±.003	10
574-143	2-7/16	2-5/8	.053	.045 ±.003	10
574-144	2-1/2	2-11/16	.053	.045 ±.003	10
574-145	2-9/16	2-3/4	.053	.045 ±.003	10
574-146	2-5/8	2-13/16	.053	.045 ±.003	10
574-147	2-11/16	2-7/8	.053	.045 ±.003	10
574-148	2-3/4	2-15/16	.053	.045 ±.003	10
574-149	2-13/16	3	.053	.045 ±.003	10
574-150	2-7/8	3-1/16	.053	.045 ±.003	10

Seal color may vary.

STYLE 574 BUNA-N BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-151	3	3-3/16	.053	.045 ±.003	10
574-152	3-1/4	3-7/16	.053	.045 ±.003	5
574-153	3-1/2	3-11/16	.053	.045 ±.003	5
574-154	3-3/4	3-15/16	.053	.045 ±.003	5
574-155	4	4-3/16	.053	.045 ±.003	5
574-156	4-1/4	4-7/16	.053	.045 ±.003	5
574-157	4-1/2	4-11/16	.053	.045 ±.003	5
574-158	4-3/4	4-15/16	.053	.045 ±.003	5
574-159	5	5-3/16	.053	.045 ±.003	1
574-160	5-1/4	5-7/16	.053	.045 ±.003	1
574-161	5-1/2	5-11/16	.053	.045 ±.003	1
574-162	5-3/4	5-15/16	.053	.045 ±.003	1
574-163	6	6-3/16	.053	.045 ±.003	1
574-164	6-1/4	6-7/16	.053	.045 ±.003	1
574-165	6-1/2	6-11/16	.053	.045 ±.003	1
574-166	6-3/4	6-15/16	.053	.045 ±.003	1
574-167	7	7-3/16	.053	.045 ±.003	1
574-168	7-1/4	7-7/16	.053	.045 ±.003	1
574-169	7-1/2	7-11/16	.053	.045 ±.003	1
574-170	7-3/4	7-15/16	.053	.045 ±.003	1
574-171	8	8-3/16	.053	.045 ±.003	1
574-172	8-1/4	8-7/16	.053	.045 ±.003	1
574-173	8-1/2	8-11/16	.053	.045 ±.003	1
574-174	8-3/4	8-15/16	.053	.045 ±.003	1
574-175	9	9-3/16	.053	.045 ±.003	1
574-176	9-1/4	9-7/16	.053	.045 ±.003	1
574-177	9-1/2	9-11/16	.053	.045 ±.003	1
574-178	9-3/4	9-15/16	.053	.045 ±.003	1
			1/8" C/S		
574-202	1/4	1/2	.05	.040 ±.003	25
574-205	7/16	11/16	.05	.040 ±.003	25
574-206	1/2	3/4	.05	.040 ±.003	25
574-207	9/16	13/16	.05	.040 ±.003	25
574-208	5/8	7/8	.05	.040 ±.003	25
574-209	11/16	15/16	.05	.040 ±.003	25
574-210	3/4	1	.05	.040 ±.003	25
574-211	13/16	1-1/16	.05	.040 ±.003	25
574-212	7/8	1-1/8	.05	.040 ±.003	25
574-213	15/16	1-3/16	.05	.040 ±.003	25
574-214	1	1-1/4	.05	.040 ±.003	25
574-215	1-1/16	1-5/16	.05	.040 ±.003	25
574-216	1-1/8	1-3/8	.05	.040 ±.003	25
574-217	1-3/16	1-7/16	.05	.040 ±.003	25
574-218	1-1/4	1-1/2	.05	.040 ±.003	10
574-219	1-5/16	1-9/16	.05	.040 ±.003	10
574-220	1-3/8	1-5/8	.05	.040 ±.003	10
574-221	1-7/16	1-11/16	.05	.040 ±.003	10
574-222	1-1/2	1-3/4	.05	.040 ±.003	10
574-223	1-5/8	1-7/8	.05	.040 ±.003	10
574-224	1-3/4	2	.05	.040 ±.003	10
574-225	1-7/8	2-1/8	.05	.040 ±.003	10
574-226	2	2-1/4	.05	.040 ±.003	10
574-227	2-1/8	2-3/8	.05	.040 ±.003	10
574-228	2-1/4	2-1/2	.05	.040 ±.003	10
574-229	2-3/8	2-5/8	.05	.040 ±.003	10
574-230	2-1/2	2-3/4	.05	.040 ±.003	10
574-231	2-5/8	2-7/8	.05	.040 ±.003	10

STYLE 574 BUNA-N BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-232	2-3/4	3	.05	.040 ±.003	10
574-233	2-7/8	3-1/8	.05	.040 ±.003	10
574-234	3	3-1/4	.05	.040 ±.003	10
574-235	3-1/8	3-3/8	.05	.040 ±.003	10
574-236	3-1/4	3-1/2	.05	.040 ±.003	10
574-237	3-3/8	3-5/8	.05	.040 ±.003	10
574-238	3-1/2	3-3/4	.05	.040 ±.003	10
574-239	3-5/8	3-7/8	.05	.040 ±.003	10
574-240	3-3/4	4	.05	.040 ±.003	5
574-241	3-7/8	4-1/8	.05	.040 ±.003	5
574-242	4	4-1/4	.05	.040 ±.003	5
574-243	4-1/8	4-3/8	.05	.040 ±.003	5
574-244	4-1/4	4-1/2	.05	.040 ±.003	5
574-245	4-3/8	4-5/8	.05	.040 ±.003	5
574-246	4-1/2	4-3/4	.05	.040 ±.003	5
574-247	4-5/8	4-7/8	.05	.040 ±.003	5
574-248	4-3/4	5	.05	.040 ±.003	5
574-249	4-7/8	5-1/8	.05	.040 ±.003	5
574-250	5	5-1/4	.05	.040 ±.003	5
574-251	5-1/8	5-3/8	.05	.040 ±.003	5
574-252	5-1/4	5-1/2	.05	.040 ±.003	5
574-253	5-3/8	5-5/8	.05	.040 ±.003	5
574-254	5-1/2	5-3/4	.05	.040 ±.003	1
574-255	5-5/8	5-7/8	.05	.040 ±.003	1
574-256	5-3/4	6	.05	.040 ±.003	1
574-257	5-7/8	6-1/8	.05	.040 ±.003	1
574-258	6	6-1/4	.05	.040 ±.003	1
574-259	6-1/4	6-1/2	.05	.040 ±.003	1
574-260	6-1/2	6-3/4	.05	.040 ±.003	1
574-261	6-3/4	7	.05	.040 ±.003	1
574-262	7	7-1/4	.05	.040 ±.003	1
574-263	7-1/4	7-1/2	.05	.040 ±.003	1
574-264	7-1/2	7-3/4	.05	.040 ±.003	1
574-265	7-3/4	8	.05	.040 ±.003	1
574-266	8	8-1/4	.05	.040 ±.003	1
574-267	8-1/4	8-1/2	.05	.040 ±.003	1
574-268	8-1/2	8-3/4	.05	.040 ±.003	1
574-269	8-3/4	9	.05	.040 ±.003	1
574-270	9	9-1/4	.05	.040 ±.003	1
574-271	9-1/4	9-1/2	.05	.040 ±.003	1
574-272	9-1/2	9-3/4	.05	.040 ±.003	1
574-273	9-3/4	10	.05	.040 ±.003	1
574-274	10	10-1/4	.05	.040 ±.003	1
574-275	10-1/2	10-3/4	.05	.040 ±.003	1
574-276	11	11-1/4	.05	.040 ±.003	1
574-277	11-1/2	11-3/4	.05	.040 ±.003	1
574-278	12	12-1/4	.05	.040 ±.003	1
574-279	13	13-1/4	.05	.040 ±.003	1
574-280	14	14-1/4	.05	.040 ±.003	1
574-281	15	15-1/4	.05	.040 ±.003	1
574-282	16	16-1/4	.05	.040 ±.003	1
574-283	17	17-1/4	.05	.040 ±.003	1
574-284	18	18-1/4	.05	.040 ±.003	1
3/16" C/S					
574-309	7/16	13/16	.076	.060 ±.004	25
574-310	1/2	7/8	.076	.060 ±.004	25
574-311	9/16	15/16	.076	.060 ±.004	25

STYLE 574 BUNA-N BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-312	5/8	1	.076	.060 ±.004	25
574-313	11/16	1-1/16	.076	.060 ±.004	10
574-314	3/4	1-1/8	.076	.060 ±.004	10
574-315	13/16	1-3/16	.076	.060 ±.004	10
574-316	7/8	1-1/4	.076	.060 ±.004	10
574-317	15/16	1-5/16	.076	.060 ±.004	10
574-318	1	1-3/8	.076	.060 ±.004	10
574-319	1-1/16	1-7/16	.076	.060 ±.004	10
574-320	1-1/8	1-1/2	.076	.060 ±.004	10
574-321	1-3/16	1-9/16	.076	.060 ±.004	10
574-322	1-1/4	1-5/8	.076	.060 ±.004	10
574-323	1-5/16	1-11/16	.076	.060 ±.004	10
574-324	1-3/8	1-3/4	.076	.060 ±.004	10
574-325	1-1/2	1-7/8	.076	.060 ±.004	10
574-326	1-5/8	2	.076	.060 ±.004	10
574-327	1-3/4	2-1/8	.076	.060 ±.004	10
574-328	1-7/8	2-1/4	.076	.060 ±.004	10
574-329	2	2-3/8	.076	.060 ±.004	10
574-330	2-1/8	2-1/2	.076	.060 ±.004	10
574-331	2-1/4	2-5/8	.076	.060 ±.004	10
574-332	2-3/8	2-3/4	.076	.060 ±.004	10
574-333	2-1/2	2-7/8	.076	.060 ±.004	10
574-334	2-5/8	3	.076	.060 ±.004	10
574-335	2-3/4	3-1/8	.076	.060 ±.004	10
574-336	2-7/8	3-1/4	.076	.060 ±.004	10
574-337	3	3-3/8	.076	.060 ±.004	10
574-338	3-1/8	3-1/2	.076	.060 ±.004	10
574-339	3-1/4	3-5/8	.076	.060 ±.004	10
574-340	3-3/8	3-3/4	.076	.060 ±.004	5
574-341	3-1/2	3-7/8	.076	.060 ±.004	5
574-342	3-5/8	4	.076	.060 ±.004	5
574-343	3-3/4	4-1/8	.076	.060 ±.004	5
574-344	3-7/8	4-1/4	.076	.060 ±.004	5
574-345	4	4-3/8	.076	.060 ±.004	5
574-346	4-1/8	4-1/2	.076	.060 ±.004	5
574-347	4-1/4	4-5/8	.076	.060 ±.004	5
574-348	4-3/8	4-3/4	.076	.060 ±.004	5
574-349	4-1/2	4-7/8	.076	.060 ±.004	5
574-350	4-5/8	5	.076	.060 ±.004	5
574-351	4-3/4	5-1/8	.076	.060 ±.004	5
574-352	4-7/8	5-1/4	.076	.060 ±.004	5
574-353	5	5-3/8	.076	.060 ±.004	5
574-354	5-1/8	5-1/2	.076	.060 ±.004	5
574-355	5-1/4	5-5/8	.076	.060 ±.004	1
574-356	5-3/8	5-3/4	.076	.060 ±.004	1
574-357	5-1/2	5-7/8	.076	.060 ±.004	1
574-358	5-5/8	6	.076	.060 ±.004	1
574-359	5-3/4	6-1/8	.076	.060 ±.004	1
574-360	5-7/8	6-1/4	.076	.060 ±.004	1
574-361	6	6-3/8	.076	.060 ±.004	1
574-362	6-1/4	6-5/8	.076	.060 ±.004	1
574-363	6-1/2	6-7/8	.076	.060 ±.004	1
574-364	6-3/4	7-1/8	.076	.060 ±.004	1
574-365	7	7-3/8	.076	.060 ±.004	1
574-366	7-1/4	7-5/8	.076	.060 ±.004	1
574-367	7-1/2	7-7/8	.076	.060 ±.004	1
574-368	7-3/4	8-1/8	.076	.060 ±.004	1

STYLE 574 BUNA-N BACK-UP RINGS

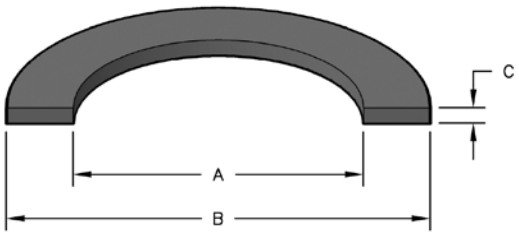
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-369	8	8-3/8	.076	.060 ±.004	1
574-370	8-1/4	8-5/8	.076	.060 ±.004	1
574-371	8-1/2	8-7/8	.076	.060 ±.004	1
574-372	8-3/4	9-1/8	.076	.060 ±.004	1
574-373	9	9-3/8	.076	.060 ±.004	1
574-374	9-1/4	9-5/8	.076	.060 ±.004	1
574-375	9-1/2	9-7/8	.076	.060 ±.004	1
574-377	10	10-3/8	.076	.060 ±.004	1
574-378	10-1/2	10-7/8	.076	.060 ±.004	1
574-379	11	11-3/8	.076	.060 ±.004	1
574-380	11-1/2	11-7/8	.076	.060 ±.004	1
574-381	12	12-3/8	.076	.060 ±.004	1
574-382	13	13-3/8	.076	.060 ±.004	1
574-383	14	14-3/8	.076	.060 ±.004	1
574-384	15	15-3/8	.076	.060 ±.004	1
			1/4" C/S		
574-425	4-1/2	5	.117	.096 ±.005	1
574-426	4-5/8	5-1/8	.117	.096 ±.005	1
574-427	4-3/4	5-1/4	.117	.096 ±.005	1
574-428	4-7/8	5-3/8	.117	.096 ±.005	1
574-429	5	5-1/2	.117	.096 ±.005	1
574-430	5-1/8	5-5/8	.117	.096 ±.005	1
574-431	5-1/4	5-3/4	.117	.096 ±.005	1
574-432	5-3/8	5-7/8	.117	.096 ±.005	1
574-433	5-1/2	6	.117	.096 ±.005	1
574-434	5-5/8	6-1/8	.117	.096 ±.005	1
574-435	5-3/4	6-1/4	.117	.096 ±.005	1
574-436	5-7/8	6-3/8	.117	.096 ±.005	1
574-437	6	6-1/2	.117	.096 ±.005	1
574-438	6-1/4	6-3/4	.117	.096 ±.005	1
574-439	6-1/2	7	.117	.096 ±.005	1
574-440	6-3/4	7-1/4	.117	.096 ±.005	1
574-441	7	7-1/2	.117	.096 ±.005	1
574-442	7-1/4	7-3/4	.117	.096 ±.005	1
574-443	7-1/2	8	.117	.096 ±.005	1
574-444	7-3/4	8-1/4	.117	.096 ±.005	1
574-445	8	8-1/2	.117	.096 ±.005	1
574-446	8-1/2	9	.117	.096 ±.005	1
574-447	9	9-1/2	.117	.096 ±.005	1
574-448	9-1/2	10	.117	.096 ±.005	1
574-449	10	10-1/2	.117	.096 ±.005	1
574-450	10-1/2	11	.117	.096 ±.005	1
574-451	11	11-1/2	.117	.096 ±.005	1
574-452	11-1/2	12	.117	.096 ±.005	1
574-453	12	12-1/2	.117	.096 ±.005	1
574-454	12-1/2	13	.117	.096 ±.005	1
574-455	13	13-1/2	.117	.096 ±.005	1
574-456	13-1/2	14	.117	.096 ±.005	1
574-457	14	14-1/2	.117	.096 ±.005	1
574-458	14-1/2	15	.117	.096 ±.005	1
574-459	15	15-1/2	.117	.096 ±.005	1
574-460	15-1/2	16	.117	.096 ±.005	1
574-461	16	16-1/2	.117	.096 ±.005	1
574-462	16-1/2	17	.117	.096 ±.005	1
574-463	17	17-1/2	.117	.096 ±.005	1
574-464	17-1/2	18	.117	.096 ±.005	1
574-465	18	18-1/2	.117	.096 ±.005	1

STYLE 574 BUNA-N BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
574-466	18-1/2	19	.117	.096 ±.005	1
574-467	19	19-1/2	.117	.096 ±.005	1
574-468	19-1/2	20	.117	.096 ±.005	1
574-469	20	20-1/2	.117	.096 ±.005	1
574-470	21	21-1/2	.117	.096 ±.005	1
574-471	22	22-1/2	.117	.096 ±.005	1
574-472	23	23-1/2	.117	.096 ±.005	1
574-473	24	24-1/2	.117	.096 ±.005	1

STYLE 575 URETHANE BACK-UP RINGS

Molded of 95A Durometer Urethane these back-up rings provide excellent extrusion resistance. Stretched for installation, they return quickly to their original size for easy installation. **NOTE:** Sizes (Dash No.) correspond to standard o-ring numbers.



PART NUMBERS

575 - 004

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	95A DUROMETER URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
			1/16" C/S		
575-004	5/64	13/64	.045	.045 ±.003	10
575-005	3/32	7/32	.045	.045 ±.003	10
575-006	1/8	1/4	.045	.045 ±.003	10
575-007	5/32	9/32	.045	.045 ±.003	10
575-008	3/16	5/16	.045	.045 ±.003	10
575-009	7/32	11/32	.045	.045 ±.003	10
575-010	1/4	3/8	.04	.040 ±.003	10
575-011	5/16	7/16	.04	.040 ±.003	10
575-012	3/8	1/2	.04	.040 ±.003	10
575-013	7/16	9/16	.04	.040 ±.003	10
575-014	1/2	5/8	.04	.040 ±.003	10
575-015	9/16	11/16	.04	.040 ±.003	10
575-016	5/8	3/4	.04	.040 ±.003	10
575-017	11/16	13/16	.04	.040 ±.003	10
575-018	3/4	7/8	.04	.040 ±.003	10
575-019	13/16	15/16	.04	.040 ±.003	10
575-020	7/8	1	.04	.040 ±.003	10
575-021	15/16	1-1/16	.04	.040 ±.003	10
575-022	1	1-1/8	.04	.040 ±.003	10
575-023	1-1/16	1-3/16	.04	.040 ±.003	10
575-024	1-1/8	1-1/4	.04	.040 ±.003	10
575-025	1-3/16	1-5/16	.04	.040 ±.003	10
575-026	1-1/4	1-3/8	.04	.040 ±.003	10
575-027	1-5/16	1-7/16	.04	.040 ±.003	10
575-028	1-3/8	1-1/2	.04	.040 ±.003	10
575-029	1-1/2	1-5/8	.04	.040 ±.003	10
575-030	1-5/8	1-3/4	.04	.040 ±.003	10
575-031	1-3/4	1-7/8	.04	.040 ±.003	10
575-032	1-7/8	2	.04	.040 ±.003	10
575-033	2	2-1/8	.04	.040 ±.003	10
575-034	2-1/8	2-1/4	.04	.040 ±.003	10
575-035	2-1/4	2-3/8	.04	.040 ±.003	10
575-036	2-3/8	2-1/2	.04	.040 ±.003	10
575-037	2-1/2	2-5/8	.04	.040 ±.003	10
575-038	2-5/8	2-3/4	.04	.040 ±.003	10
575-039	2-3/4	2-7/8	.04	.040 ±.003	10
575-040	2-7/8	3	.04	.040 ±.003	10
575-041	3	3-1/8	.04	.040 ±.003	10
575-042	3-1/4	3-3/8	.04	.040 ±.003	10
575-043	3-1/2	3-5/8	.04	.040 ±.003	10

STYLE 575 URETHANE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-044	3-3/4	3-7/8	.04	.040 ±.003	10
575-045	4	4-1/8	.04	.040 ±.003	5
575-046	4-1/4	4-3/8	.04	.040 ±.003	5
575-047	4-1/2	4-5/8	.04	.040 ±.003	5
575-048	4-3/4	4-7/8	.04	.040 ±.003	5
575-049	5	5-1/8	.04	.040 ±.003	5
575-050	5-1/4	5-3/8	.04	.040 ±.003	5
		3/32" C/S			
575-102	1/16	1/4	.045	.045 ±.003	10
575-103	3/32	9/32	.045	.045 ±.003	10
575-104	1/8	5/16	.05	.050 ±.005	10
575-105	5/32	11/32	.045	.045 ±.003	10
575-106	3/16	3/8	.045	.045 ±.003	10
575-107	7/32	13/32	.045	.045 ±.003	10
575-108	1/4	7/16	.04	.040 ±.003	10
575-109	5/16	.4	.04	.040 ±.003	10
575-110	3/8	9/16	.04	.040 ±.003	10
575-111	7/16	5/8	.04	.040 ±.003	10
575-112	1/2	11/16	.04	.040 ±.003	10
575-113	9/16	3/4	.04	.040 ±.003	10
575-114	5/8	13/16	.04	.040 ±.003	10
575-115	11/16	7/8	.04	.040 ±.003	10
575-116	3/4	15/16	.04	.040 ±.003	10
575-117	13/16	1	.04	.040 ±.003	10
575-118	7/8	1-1/16	.04	.040 ±.003	10
575-119	15/16	1-1/8	.04	.040 ±.003	10
575-120	1	1-3/16	.04	.040 ±.003	10
575-121	1-1/16	1-1/4	.04	.040 ±.003	10
575-122	1-1/8	1-5/16	.04	.040 ±.003	10
575-123	1-3/16	1-3/8	.04	.040 ±.003	10
575-124	1-1/4	1-7/16	.04	.040 ±.003	10
575-125	1-5/16	1-1/2	.04	.040 ±.003	10
575-126	1-3/8	1-9/16	.04	.040 ±.003	10
575-127	1-7/16	1-5/8	.04	.040 ±.003	10
575-128	1-1/2	1-11/16	.04	.040 ±.003	10
575-129	1-9/16	1-3/4	.04	.040 ±.003	10
575-130	1-5/8	1-13/16	.04	.040 ±.003	10
575-131	1-11/16	1-7/8	.04	.040 ±.003	10
575-132	1-3/4	1-15/16	.04	.040 ±.003	10
575-133	1-13/16	2	.04	.040 ±.003	10
575-134	1-7/8	2-1/16	.04	.040 ±.003	10
575-135	1-15/16	2-1/8	.04	.040 ±.003	10
575-136	2	2-3/16	.04	.040 ±.003	10
575-137	2-1/16	2-1/4	.04	.040 ±.003	10
575-138	2-1/8	2-5/16	.04	.040 ±.003	10
575-139	2-3/16	2-3/8	.04	.040 ±.003	10
575-140	2-1/4	2-7/16	.04	.040 ±.003	10
575-141	2-5/16	2-1/2	.04	.040 ±.003	10
575-142	2-3/8	2-9/16	.04	.040 ±.003	10
575-143	2-7/16	2-5/8	.04	.040 ±.003	10
575-144	2-1/2	2-11/16	.04	.040 ±.003	10
575-145	2-9/16	2-3/4	.04	.040 ±.003	10
575-146	2-5/8	2-13/16	.04	.040 ±.003	10
575-147	2-11/16	2-7/8	.04	.040 ±.003	10
575-148	2-3/4	2-15/16	.04	.040 ±.003	10
575-149	2-13/16	3	.04	.040 ±.003	10
575-150	2-7/8	3-1/16	.04	.040 ±.003	10

STYLE 575 URETHANE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-151	3	3-3/16	.04	.040 ±.003	10
575-152	3-1/4	3-7/16	.04	.040 ±.003	5
575-153	3-1/2	3-11/16	.04	.040 ±.003	5
575-154	3-3/4	3-15/16	.04	.040 ±.003	5
575-155	4	4-3/16	.04	.040 ±.003	5
575-156	4-1/4	4-7/16	.04	.040 ±.003	5
575-157	4-1/2	4-11/16	.04	.040 ±.003	5
575-158	4-3/4	4-15/16	.04	.040 ±.003	5
575-159	5	5-3/16	.04	.040 ±.003	1
575-160	5-1/4	5-7/16	.04	.040 ±.003	1
575-161	5-1/2	5-11/16	.04	.040 ±.003	1
575-162	5-3/4	5-15/16	.04	.040 ±.003	1
575-163	6	6-3/16	.04	.040 ±.003	1
575-164	6-1/4	6-7/16	.04	.040 ±.003	1
575-165	6-1/2	6-11/16	.04	.040 ±.003	1
575-166	6-3/4	6-15/16	.04	.040 ±.003	1
575-167	7	7-3/16	.04	.040 ±.003	1
575-168	7-1/4	7-7/16	.04	.040 ±.003	1
575-169	7-1/2	7-11/16	.04	.040 ±.003	1
575-170	7-3/4	7-15/16	.04	.040 ±.003	1
575-171	8	8-3/16	.04	.040 ±.003	1
575-172	8-1/4	8-7/16	.04	.040 ±.003	1
575-173	8-1/2	8-11/16	.04	.040 ±.003	1
575-174	8-3/4	8-15/16	.04	.040 ±.003	1
575-175	9	9-3/16	.04	.040 ±.003	1
		1/8" C/S			
575-205	7/16	11/16	.04	.040 ±.003	10
575-206	1/2	3/4	.04	.040 ±.003	10
575-207	9/16	13/16	.04	.040 ±.003	10
575-208	5/8	7/8	.04	.040 ±.003	10
575-209	11/16	15/16	.04	.040 ±.003	10
575-210	3/4	1	.04	.040 ±.003	10
575-211	13/16	1-1/16	.04	.040 ±.003	10
575-212	7/8	1-1/8	.04	.040 ±.003	10
575-213	15/16	1-3/16	.04	.040 ±.003	10
575-214	1	1-1/4	.04	.040 ±.003	10
575-215	1-1/16	1-5/16	.04	.040 ±.003	10
575-216	1-1/8	1-3/8	.04	.040 ±.003	10
575-217	1-3/16	1-7/16	.04	.040 ±.003	10
575-218	1-1/4	1-1/2	.04	.040 ±.003	10
575-219	1-5/16	1-9/16	.04	.040 ±.003	10
575-220	1-3/8	1-5/8	.04	.040 ±.003	10
575-221	1-7/16	1-11/16	.04	.040 ±.003	10
575-222	1-1/2	1-3/4	.04	.040 ±.003	10
575-223	1-5/8	1-7/8	.04	.040 ±.003	10
575-224	1-3/4	2	.04	.040 ±.003	10
575-225	1-7/8	2-1/8	.04	.040 ±.003	10
575-226	2	2-1/4	.04	.040 ±.003	10
575-227	2-1/8	2-3/8	.04	.040 ±.003	10
575-228	2-1/4	2-1/2	.04	.040 ±.003	10
575-229	2-3/8	2-5/8	.04	.040 ±.003	10
575-230	2-1/2	2-3/4	.04	.040 ±.003	10
575-231	2-5/8	2-7/8	.04	.040 ±.003	10
575-232	2-3/4	3	.04	.040 ±.003	10
575-233	2-7/8	3-1/8	.04	.040 ±.003	10
575-234	3	3-1/4	.04	.040 ±.003	10
575-235	3-1/8	3-3/8	.04	.040 ±.003	10

STYLE 575 URETHANE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-236	3-1/4	3-1/2	.04	.040 ±.003	10
575-237	3-3/8	3-5/8	.04	.040 ±.003	5
575-238	3-1/2	3-3/4	.04	.040 ±.003	5
575-239	3-5/8	3-7/8	.04	.040 ±.003	5
575-240	3-3/4	4	.04	.040 ±.003	5
575-241	3-7/8	4-1/8	.04	.040 ±.003	5
575-242	4	4-1/4	.04	.040 ±.003	5
575-243	4-1/8	4-3/8	.04	.040 ±.003	5
575-244	4-1/4	4-1/2	.04	.040 ±.003	5
575-245	4-3/8	4-5/8	.04	.040 ±.003	5
575-246	4-1/2	4-3/4	.04	.040 ±.003	5
575-247	4-5/8	4-7/8	.04	.040 ±.003	5
575-248	4-3/4	5	.04	.040 ±.003	1
575-249	4-7/8	5-1/8	.04	.040 ±.003	1
575-250	5	5-1/4	.04	.040 ±.003	1
575-251	5-1/8	5-3/8	.04	.040 ±.003	1
575-252	5-1/4	5-1/2	.04	.040 ±.003	1
575-253	5-3/8	5-5/8	.04	.040 ±.003	1
575-254	5-1/2	5-3/4	.04	.040 ±.003	1
575-255	5-5/8	5-7/8	.04	.040 ±.003	1
575-256	5-3/4	6	.04	.040 ±.003	1
575-257	5-7/8	6-1/8	.04	.040 ±.003	1
575-258	6	6-1/4	.04	.040 ±.003	1
575-259	6-1/4	6-1/2	.04	.040 ±.003	1
575-260	6-1/2	6-3/4	.04	.040 ±.003	1
575-261	6-3/4	7	.04	.040 ±.003	1
575-262	7	7-1/4	.04	.040 ±.003	1
575-263	7-1/4	7-1/2	.04	.040 ±.003	1
575-264	7-1/2	7-3/4	.04	.040 ±.003	1
575-265	7-3/4	8	.04	.040 ±.003	1
575-266	8	8-1/4	.04	.040 ±.003	1
575-267	8-1/4	8-1/2	.04	.040 ±.003	1
575-268	8-1/2	8-3/4	.04	.040 ±.003	1
575-269	8-3/4	9	.04	.040 ±.003	1
575-270	9	9-1/4	.04	.040 ±.003	1
575-271	9-1/4	9-1/2	.04	.040 ±.003	1
575-272	9-1/2	9-3/4	.04	.040 ±.003	1
575-273	9-3/4	10	.04	.040 ±.003	1
575-274	10	10-1/4	.04	.040 ±.003	1
575-275	10-1/2	10-3/4	.04	.040 ±.003	1
575-276	11	11-1/4	.04	.040 ±.003	1
575-278	12	12-1/4	.04	.040 ±.003	1
575-279	13	13-1/4	.04	.040 ±.003	1
.163" C/S					
575-6.165X0.163X0.062U	6.165	6.491	.062	.062 ±.004	1
3/16" C/S					
575-309	7/16	13/16	.055	.055 ±.004	10
575-310	1/2	7/8	.055	.055 ±.004	10
575-311	9/16	15/16	.055	.055 ±.004	10
575-312	5/8	1	.055	.055 ±.004	10
575-313	11/16	1-1/16	.055	.055 ±.004	10
575-314	3/4	1-1/8	.055	.055 ±.004	10
575-315	13/16	1-3/16	.055	.055 ±.004	10
575-316	7/8	1-1/4	.055	.055 ±.004	10
575-317	15/16	1-5/16	.055	.055 ±.004	10
575-318	1	1-3/8	.055	.055 ±.004	10
575-319	1-1/16	1-7/16	.055	.055 ±.004	10

STYLE 575 URETHANE BACK-UP RINGS

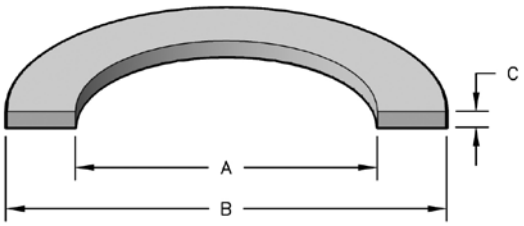
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-320	1-1/8	1-1/2	.055	.055 ±.004	10
575-321	1-3/16	1-9/16	.055	.055 ±.004	10
575-322	1-1/4	1-5/8	.055	.055 ±.004	10
575-323	1-5/16	1-11/16	.055	.055 ±.004	10
575-324	1-3/8	1-3/4	.055	.055 ±.004	10
575-325	1-1/2	1-7/8	.055	.055 ±.004	10
575-326	1-5/8	2	.055	.055 ±.004	10
575-327	1-3/4	2-1/8	.055	.055 ±.004	10
575-328	1-7/8	2-1/4	.055	.055 ±.004	10
575-329	2	2-3/8	.055	.055 ±.004	10
575-330	2-1/8	2-1/2	.055	.055 ±.004	10
575-331	2-1/4	2-5/8	.055	.055 ±.004	10
575-332	2-3/8	2-3/4	.055	.055 ±.004	10
575-333	2-1/2	2-7/8	.055	.055 ±.004	10
575-334	2-5/8	3	.055	.055 ±.004	10
575-335	2-3/4	3-1/8	.055	.055 ±.004	10
575-336	2-7/8	3-1/4	.055	.055 ±.004	10
575-337	3	3-3/8	.055	.055 ±.004	10
575-338	3-1/8	3-1/2	.055	.055 ±.004	10
575-339	3-1/4	3-5/8	.055	.055 ±.004	10
575-340	3-3/8	3-3/4	.055	.055 ±.004	5
575-341	3-1/2	3-7/8	.055	.055 ±.004	5
575-342	3-5/8	4	.055	.055 ±.004	5
575-343	3-3/4	4-1/8	.055	.055 ±.004	5
575-344	3-7/8	4-1/4	.055	.055 ±.004	5
575-345	4	4-3/8	.055	.055 ±.004	5
575-346	4-1/8	4-1/2	.055	.055 ±.004	5
575-347	4-1/4	4-5/8	.055	.055 ±.004	5
575-348	4-3/8	4-3/4	.055	.055 ±.004	5
575-349	4-1/2	4-7/8	.055	.055 ±.004	5
575-350	4-5/8	5	.055	.055 ±.004	5
575-351	4-3/4	5-1/8	.055	.055 ±.004	1
575-352	4-7/8	5-1/4	.055	.055 ±.004	1
575-353	5	5-3/8	.055	.055 ±.004	1
575-354	5-1/8	5-1/2	.055	.055 ±.004	1
575-355	5-1/4	5-5/8	.055	.055 ±.004	1
575-356	5-3/8	5-3/4	.055	.055 ±.004	1
575-357	5-1/2	5-7/8	.055	.055 ±.004	1
575-358	5-5/8	6	.055	.055 ±.004	1
575-359	5-3/4	6-1/8	.055	.055 ±.004	1
575-360	5-7/8	6-1/4	.055	.055 ±.004	1
575-361	6	6-3/8	.055	.055 ±.004	1
575-362	6-1/4	6-5/8	.055	.055 ±.004	1
575-363	6-1/2	6-7/8	.055	.055 ±.004	1
575-364	6-3/4	7-1/8	.055	.055 ±.004	1
575-365	7	7-3/8	.055	.055 ±.004	1
575-366	7-1/4	7-5/8	.055	.055 ±.004	1
575-367	7-1/2	7-7/8	.055	.055 ±.004	1
575-368	7-3/4	8-1/8	.055	.055 ±.004	1
575-369	8	8-3/8	.055	.055 ±.004	1
575-370	8-1/4	8-5/8	.055	.055 ±.004	1
575-371	8-1/2	8-7/8	.055	.055 ±.004	1
575-372	8-3/4	9-1/8	.055	.055 ±.004	1
575-373	9	9-3/8	.055	.055 ±.004	1
575-374	9-1/4	9-5/8	.055	.055 ±.004	1
575-375	9-1/2	9-7/8	.055	.055 ±.004	1
575-376	9-3/4	10-1/8	.055	.055 ±.004	1

STYLE 575 URETHANE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-377	10	10-3/8	.055	.055 ±.004	1
575-379	11	11-3/8	.055	.055 ±.004	1
575-381	12	12-3/8	.055	.055 ±.004	1
575-382	13	13-3/8	.055	.055 ±.004	1
575-383	14	14-3/8	.055	.055 ±.004	1
		1/4" C/S			
575-421	4	4-1/2	.085	.085 ±.005	3
575-425	4-1/2	5	.085	.085 ±.005	3
575-426	4-5/8	5-1/8	.085	.085 ±.005	3
575-427	4-3/4	5-1/4	.085	.085 ±.005	1
575-428	4-7/8	5-3/8	.085	.085 ±.005	1
575-429	5	5-1/2	.085	.085 ±.005	1
575-430	5-1/8	5-5/8	.085	.085 ±.005	1
575-431	5-1/4	5-3/4	.085	.085 ±.005	1
575-432	5-3/8	5-7/8	.085	.085 ±.005	1
575-433	5-1/2	6	.085	.085 ±.005	1
575-434	5-5/8	6-1/8	.085	.085 ±.005	1
575-435	5-3/4	6-1/4	.085	.085 ±.005	1
575-436	5-7/8	6-3/8	.085	.085 ±.005	1
575-437	6	6-1/2	.085	.085 ±.005	1
575-438	6-1/4	6-3/4	.085	.085 ±.005	1
575-439	6-1/2	7	.085	.085 ±.005	1
575-440	6-3/4	7-1/4	.085	.085 ±.005	1
575-441	7	7-1/2	.085	.085 ±.005	1
575-442	7-1/4	7-3/4	.085	.085 ±.005	1
575-443	7-1/2	8	.085	.085 ±.005	1
575-444	7-3/4	8-1/4	.085	.085 ±.005	1
575-445	8	8-1/2	.085	.085 ±.005	1
575-446	8-1/2	9	.085	.085 ±.005	1
575-447	9	9-1/2	.085	.085 ±.005	1
575-448	9-1/2	10	.085	.085 ±.005	1
575-449	10	10-1/2	.085	.085 ±.005	1
575-450	10-1/2	11	.085	.085 ±.005	1
575-451	11	11-1/2	.085	.085 ±.005	1
575-452	11-1/2	12	.085	.085 ±.005	1
575-453	12	12-1/2	.085	.085 ±.005	1
575-454	12-1/2	13	.096	.096 ±.005	1
575-455	13	13-1/2	.085	.085 ±.005	1
575-456	13-1/2	14	.085	.085 ±.005	1
575-457	14	14-1/2	.085	.085 ±.005	1
575-460	15-1/2	16	.085	.085 ±.005	1

STYLE 575 PTFE BACK-UP RINGS

Letter suffix: T = Solid, ST = Split, TS = Spiral Cut, TW = .085 Wide



PART NUMBERS

575 - 004 ST

Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	PTFE
TEMPERATURE RANGE	-100° TO +500° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
			1/16" C/S		
575-004ST	5/64	13/64	.05	.050 +.002 -.005	6
575-005ST	3/32	7/32	.05	.050 +.002 -.005	6
575-006ST	1/8	1/4	.05	.050 +.002 -.005	6
575-007ST	5/32	9/32	.05	.050 +.002 -.005	6
575-008ST	3/16	5/16	.05	.050 +.002 -.005	6
575-009ST	7/32	11/32	.05	.050 +.002 -.005	6
575-009T	7/32	11/32	.05	.050 +.002 -.005	6
575-010ST	1/4	3/8	.05	.050 +.002 -.005	12
575-010T	1/4	3/8	.05	.050 +.002 -.005	6
575-011ST	5/16	7/16	.05	.050 +.002 -.005	6
575-011T	5/16	7/16	.05	.050 +.002 -.005	1
575-012ST	3/8	1/2	.05	.050 +.002 -.005	10
575-013ST	7/16	9/16	.05	.050 +.002 -.005	6
575-014ST	1/2	5/8	.05	.050 +.002 -.005	6
575-015ST	9/16	11/16	.05	.050 +.002 -.005	6
575-016ST	5/8	3/4	.05	.050 +.002 -.005	10
575-017ST	11/16	13/16	.05	.050 +.002 -.005	5
575-018ST	3/4	7/8	.05	.050 +.002 -.005	5
575-018T	3/4	7/8	.05	.050 +.002 -.005	5
575-019ST	13/16	15/16	.05	.050 +.002 -.005	5
575-020ST	7/8	1	.05	.050 +.002 -.005	5
575-020T	7/8	1	.05	.050 +.002 -.005	5
575-021ST	15/16	1-1/16	.05	.050 +.002 -.005	5
575-022ST	1	1-1/8	.05	.050 +.002 -.005	5

STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-022T	1	1-1/8	.05	.050 +.002 -.005	5
575-023ST	1-1/16	1-3/16	.05	.050 +.002 -.005	5
575-024ST	1-1/8	1-1/4	.05	.050 +.002 -.005	5
575-025ST	1-3/16	1-5/16	.05	.050 +.002 -.005	5
575-026ST	1-1/4	1-3/8	.05	.050 +.002 -.005	4
575-026T	1-1/4	1-3/8	.05	.050 +.002 -.005	4
575-027ST	1-5/16	1-7/16	.05	.050 +.002 -.005	4
575-028ST	1-3/8	1-1/2	.05	.050 +.002 -.005	4
575-029ST	1-1/2	1-5/8	.05	.050 +.002 -.005	3
575-029T	1-1/2	1-5/8	.05	.050 +.002 -.005	3
575-030ST	1-5/8	1-3/4	.05	.050 +.002 -.005	3
575-031T	1-3/4	1-7/8	.05	.050 +.002 -.005	2
575-032T	1-7/8	2	.05	.050 +.002 -.005	2
575-033ST	2	2-1/8	.05	.050 +.002 -.005	2
575-033T	2	2-1/8	.05	.050 +.002 -.005	2
575-034T	2-1/8	2-1/4	.05	.050 +.002 -.005	2
575-036T	2-3/8	2-1/2	.05	.050 +.002 -.005	2
575-037T	2-1/2	2-5/8	.05	.050 +.002 -.005	2
575-038ST	2-5/8	2-3/4	.05	.050 +.002 -.005	1
575-038T	2-5/8	2-3/4	.05	.050 +.002 -.005	2
575-039T	2-3/4	2-7/8	.05	.050 +.002 -.005	2
575-041T	3	3-1/8	.05	.050 +.002 -.005	2
575-044T	3-3/4	3-7/8	.05	.050 +.002 -.005	2
575-045T	4	4-1/8	.05	.050 +.002 -.005	2
3/32" C/S					
575-110ST	3/8	9/16	.05	.050 +.002 -.005	6
575-111ST	7/16	5/8	.05	.050 +.002 -.005	5
575-111T	7/16	5/8	.05	.050 +.002 -.005	1
575-112ST	1/2	11/16	.05	.050 +.002 -.005	5
575-112T	1/2	11/16	.05	.050 +.002 -.005	5
575-112TS	1/2	11/16	.05		5
575-113ST	9/16	3/4	.05	.050 +.002 -.005	5
575-114ST	5/8	13/16	.05	.050 +.002 -.005	4
575-114T	5/8	13/16	.05	.050 +.002 -.005	5

STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-115ST	11/16	7/8	.05	.050 +.002 -.005	4
575-116ST	3/4	15/16	.05	.050 +.002 -.005	8
575-116T	3/4	15/16	.05	.050 +.002 -.005	4
575-116TS	3/4	15/16	.05		5
575-117ST	13/16	1	.05	.050 +.002 -.005	4
575-117T	13/16	1	.05	.050 +.002 -.005	4
575-118ST	7/8	1-1/16	.05	.050 +.002 -.005	4
575-118T	7/8	1-1/16	.05	.050 +.002 -.005	4
575-118TS	7/8	1-1/16	.05		4
575-119ST	15/16	1-1/8	.05	.050 +.002 -.005	10
575-119T	15/16	1-1/8	.05	.050 +.002 -.005	3
575-120ST	1	1-3/16	.05	.050 +.002 -.005	3
575-120T	1	1-3/16	.05	.050 +.002 -.005	3
575-121ST	1-1/16	1-1/4	.05	.050 +.002 -.005	3
575-122ST	1-1/8	1-5/16	.05	.050 +.002 -.005	3
575-122T	1-1/8	1-5/16	.05	.050 +.002 -.005	3
575-123ST	1-3/16	1-3/8	.05	.050 +.002 -.005	6
575-124ST	1-1/4	1-7/16	.05	.050 +.002 -.005	6
575-125ST	1-5/16	1-1/2	.05	.050 +.002 -.005	6
575-126ST	1-3/8	1-9/16	.05	.050 +.002 -.005	3
575-126T	1-3/8	1-9/16	.05	.050 +.002 -.005	1
575-127ST	1-7/16	1-5/8	.05	.050 +.002 -.005	3
575-128ST	1-1/2	1-11/16	.05	.050 +.002 -.005	3
575-129ST	1-9/16	1-3/4	.05	.050 +.002 -.005	3
575-130ST	1-5/8	1-13/16	.05	.050 +.002 -.005	3
575-131ST	1-11/16	1-7/8	.05	.050 +.002 -.005	3
575-131T	1-11/16	1-7/8	.05	.050 ±.002	3
575-132ST	1-3/4	1-15/16	.05	.050 +.002 -.005	3
575-133ST	1-13/16	2	.05	.050 +.002 -.005	3
575-133T	1-13/16	2	.05	.050 +.002 -.005	1
575-134ST	1-7/8	2-1/16	.05	.050 +.002 -.005	3
575-134TS	1-7/8	2-1/16	.05		1
575-135ST	1-15/16	2-1/8	.05	.050 +.002 -.005	3
575-136ST	2	2-3/16	.05	.050 +.002 -.005	3
575-137ST	2-1/16	2-1/4	.05	.050 +.002 -.005	3

STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-138ST	2-1/8	2-5/16	.05	.050 +.002 -.005	2
575-139T	2-3/16	2-3/8	.05	.050 +.002 -.005	2
575-139TS	2-3/16	2-3/8	.05		1
575-140T	2-1/4	2-7/16	.05	.050 ±.002	2
575-140TS	2-1/4	2-7/16	.05		1
575-141T	2-5/16	2-1/2	.05	.050 ±.002	2
575-143ST	2-7/16	2-5/8	.05	.050 +.002 -.005	2
575-144ST	2-1/2	2-11/16	.05	.050 +.002 -.005	2
575-146T	2-5/8	2-13/16	.05	.050 ±.002	2
575-148T	2-3/4	2-15/16	.05	.050 ±.002	2
575-149T	2-13/16	3	.05	.050 ±.002	2
575-152T	3-1/4	3-7/16	.05	.050 +.002 -.005	2
575-153TS	3-1/2	3-11/16	.55		1
575-159T	5	5-3/16	.05	.050 +.002 -.005	1
1/8" C/S					
575-206ST	1/2	3/4	.05	.050 +.002 -.005	6
575-210ST	3/4	1	.05	.050 +.002 -.005	4
575-210T	3/4	1	.05	.050 +.002 -.005	4
575-211ST	13/16	1-1/16	.05	.050 +.002 -.005	6
575-212ST	7/8	1-1/8	.05	.050 +.002 -.005	4
575-212T	7/8	1-1/8	.05	.050 +.002 -.005	2
575-212TS	7/8	1-1/8	.05		1
575-212TW	7/8	1-1/8	.085	.085 ±.005	1
575-213ST	15/16	1-3/16	.05	.050 +.002 -.005	4
575-214ST	1	1-1/4	.05	.050 +.002 -.005	4
575-214T	1	1-1/4	.05	.050 +.002 -.005	6
575-215ST	1-1/16	1-5/16	.05	.050 +.002 -.005	4
575-216ST	1-1/8	1-3/8	.05	.050 +.002 -.005	4
575-217ST	1-3/16	1-7/16	.05	.050 +.002 -.005	4
575-218ST	1-1/4	1-1/2	.05	.050 +.002 -.005	5
575-218T	1-1/4	1-1/2	.05	.050 +.002 -.005	5
575-218TS	1-1/4	1-1/2	.05		5
575-219ST	1-5/16	1-9/16	.05	.050 +.002 -.005	3
575-219T	1-5/16	1-9/16	.05	.050 +.002 -.005	1
575-220ST	1-3/8	1-5/8	.05	.050 +.002 -.005	3
575-220T	1-3/8	1-5/8	.05	.050 +.002 -.005	2
575-220TS	1-3/8	1-5/8	.05		1
575-221ST	1-7/16	1-11/16	.05	.050 +.002 -.005	3
575-221T	1-7/16	1-11/16	.05	.050 +.002 -.005	3

STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-222ST	1-1/2	1-3/4	.05	.050 +.002 -.005	3
575-222TS	1-1/2	1-3/4	.05		3
575-223T	1-5/8	1-7/8	.05	.050 +.002 -.005	2
575-223TS	1-5/8	1-7/8	.05		1
575-224ST	1-3/4	2	.05	.050 +.002 -.005	3
575-224T	1-3/4	2	.05	.050 +.002 -.005	3
575-224TS	1-3/4	2	.05		1
575-225ST	1-7/8	2-1/8	.05	.050 +.002 -.005	3
575-226ST	2	2-1/4	.05	.050 +.002 -.005	5
575-226TS	2	2-1/4	.05		2
575-227ST	2-1/8	2-3/8	.05	.050 +.002 -.005	3
575-228ST	2-1/4	2-1/2	.05	.050 +.002 -.005	2
575-229ST	2-3/8	2-5/8	.05	.050 +.002 -.005	2
575-230ST	2-1/2	2-3/4	.05	.050 +.002 -.005	2
575-230T	2-1/2	2-3/4	.05	.050 +.002 -.005	2
575-231T	2-5/8	2-7/8	.05	.050 ±.002	2
575-232T	2-3/4	3	.05	.050 ±.002	2
575-232TS	2-3/4	3	.05		2
575-232TW	2-3/4	3	.085	.085 ±.005	1
575-233T	2-7/8	3-1/8	.05	.050 ±.002	2
575-234T	3	3-1/4	.05	.050 ±.002	2
575-235ST	3-1/8	3-3/8	.05	.050 +.002 -.005	2
575-235T	3-1/8	3-3/8	.05	.050 ±.002	2
575-236T	3-1/4	3-1/2	.05	.050 ±.002	2
575-237T	3-3/8	3-5/8	.05	.050 ±.002	2
575-238T	3-1/2	3-3/4	.05	.050 ±.002	2
575-239ST	3-5/8	3-7/8	.05	.050 +.002 -.005	2
575-239T	3-5/8	3-7/8	.05	.050 ±.002	2
575-240T	3-3/4	4	.05	.050 ±.002	2
575-240TS	3-3/4	4	.05		2
575-241ST	3-7/8	4-1/8	.05	.050 +.002 -.005	2
575-242T	4	4-1/4	.05	.050 ±.002	2
575-243ST	4-1/8	4-3/8	.05	.050 +.002 -.005	2
575-244T	4-1/4	4-1/2	.05	.050 ±.002	1
575-245ST	4-3/8	4-5/8	.05	.050 ±.002	1
575-245T	4-3/8	4-5/8	.05	.050 ±.002	2
575-246T	4-1/2	4-3/4	.05	.050 ±.002	1
575-246TS	4-1/2	4-3/4	.055		
575-247T	4-5/8	4-7/8	.05	.050 ±.002	2
575-248T	4-3/4	5	.05	.050 +.002 -.005	2
575-249ST	4-7/8	5-1/8	.05	.050 +.002 -.005	1
575-249T	4-7/8	5-1/8	.05	.050 +.002 -.005	1
575-250T	5	5-1/4	.05	.050 +.002 -.005	1

STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-252T	5-1/4	5-1/2	.05	.050 +.002 -.005	1
575-253T	5-3/8	5-5/8	.05	.050 +.002 -.005	1
575-254T	5-1/2	5-3/4	.05	.050 +.002 -.005	1
575-256T	5-3/4	6	.05	.050 +.002 -.005	1
575-258T	6	6-1/4	.05	.050 +.002 -.005	1
575-260T	6-1/2	6-3/4	.05	.050 +.002 -.005	1
575-261T	6-3/4	7	.05	.050 +.002 -.005	1
575-262TS	7	7-1/4	.05		1
575-263ST	7-1/4	7-1/2	.05	.050 +.002 -.005	1
			3/16" C/S		
575-320T	1-1/8	1-1/2	.07	.070 ±.005	2
575-325ST	1-1/2	1-7/8	.07	.070 ±.005	2
575-325T	1-1/2	1-7/8	.07	.070 ±.005	2
575-326ST	1-5/8	2	.07	.070 ±.005	2
575-326T	1-5/8	2	.07	.070 ±.005	1
575-327ST	1-3/4	2-1/8	.07	.070 ±.005	2
575-328ST	1-7/8	2-1/4	.07	.070 ±.005	2
575-329ST	2	2-3/8	.07	.070 ±.005	1
575-330ST	2-1/8	2-1/2	.07	.070 ±.005	2
575-330T	2-1/8	2-1/2	.07	.070 ±.005	2
575-332TS	2-3/8	2-3/4	.07	.036 +.000 -.005	1
575-333ST	2-1/2	2-7/8	.07	.070 ±.005	2
575-333T	2-1/2	2-7/8	.07	.070 ±.005	2
575-333TS	2-1/2	2-7/8	.07	.036 +.000 -.005	1
575-334ST	2-5/8	3	.07	.070 ±.005	2
575-334TS	2-5/8	3	.07		1
575-335T	2-3/4	3-1/8	.07	.070 ±.005	1
575-336ST	2-7/8	3-1/4	.07	.070 ±.005	1
575-337TS	3	3-3/8	.07	.036 +.000 -.005	1
575-338ST	3-1/8	3-1/2	.07	.070 ±.005	1
575-338T	3-1/8	3-1/2	.07	.070 ±.005	1
575-338TS	3-1/8	3-1/2	.07	.036 +.000 -.005	1
575-340ST	3-3/8	3-3/4	.07	.070 ±.005	1
575-340TS	3-3/8	3-3/4	.07		1
575-341ST	3-1/2	3-7/8	.07	.070 ±.005	1
575-342ST	3-5/8	4	.07	.070 ±.005	1
575-344ST	3-7/8	4-1/4	.07	.070 ±.005	1
575-344TS	3-7/8	4-1/4	.07	.036 +.000 -.005	1
575-345ST	4	4-3/8	.07	.070 ±.005	2
575-345TS	4	4-3/8	.07		1
575-346ST	4-1/8	4-1/2	.07	.070 ±.005	1
575-346TS	4-1/8	4-1/2	.07	.036 +.000 -.005	1
575-348TS	4-3/8	4-3/4	.07	.036 +.000 -.005	1
575-349T	4-1/2	4-7/8	.07	.070 ±.005	1
575-349TS	4-1/2	4-7/8	.07		1
575-350ST	4-5/8	5	.07	.070 ±.005	1

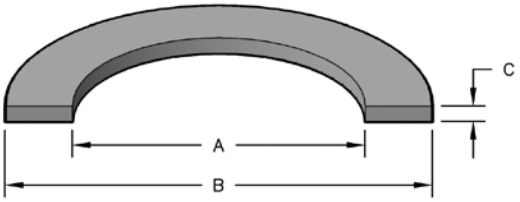
STYLE 575 PTFE BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS	Package Quantity
575-354ST	5-1/8	5-1/2	.07	.070 ±.005	1
575-356ST	5-3/8	5-3/4	.07	.070 ±.005	1
575-359T	5-3/4	6-1/8	.07	.070 ±.005	1
575-360T	5-7/8	6-1/4	.07	.070 ±.005	1
575-361T	6	6-3/8	.07	.070 ±.005	1
575-362ST	6-1/4	6-5/8	.07	.070 ±.005	1
575-363T	6-1/2	6-7/8	.07	.070 ±.005	1
575-363TS	6-1/2	6-7/8	.07		1
575-364T	6-3/4	7-1/8	.07	.070 ±.005	1
575-365T	7	7-3/8	.07	.070 ±.005	1
575-367ST	7-1/2	7-7/8	.07	.070 ±.005	1
575-369ST	8	8-3/8	.07	.070 ±.005	1
575-375T	9-1/2	9-7/8	.07	.070 ±.005	1
575-379T	11	11-3/8	.07	.070 ±.005	1
			1/4" C/S		
575-413ST	3	3-1/2	.108	.108 ±.002	1
575-421T	4	4-1/2	.108	.108 ±.002	1
575-425ST	4-1/2	5	.108	.108 ±.002	1
575-426ST	4-5/8	5-1/8	.108	.108 ±.002	1
575-427ST	4-3/4	5-1/4	.108	.108 ±.002	1
575-430ST	5-1/8	5-5/8	.108	.108 ±.002	1
575-431T	5-1/4	5-3/4	.108	.105 ±.005	1
575-433ST	5-1/2	6	.108	.108 ±.002	1
575-436ST	5-7/8	6-3/8	.108	.108 ±.002	1
575-437T	6	6-1/2	.108	.105 ±.005	1
575-438T	6-1/4	6-3/4	.108	.108 ±.002	1
575-439T	6-1/2	7	.108	.108 ±.002	1
575-440ST	6-3/4	7-1/4	.108	.108 ±.002	1
575-443T	7-1/2	8	.108	.108 ±.002	1
575-445TS	8	8-1/2	.108		1
575-446T	8-1/2	9	.108	.108 ±.002	1
575-447T	9	9-1/2	.108	.108 ±.002	1
575-448T	9-1/2	10	.108	.108 ±.002	1
575-450T	10-1/2	11	.108	.108 ±.002	1
575-451T	11	11-1/2		.108 ±.002	1
575-452T	11-1/2	12	.108	.108 ±.002	1
575-454T	12-1/2	13	.108	.108 ±.002	1

STYLE 575 PTFE BACK-UP RINGS - SPECIAL SIZES

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section	th THICKNESS	Package Quantity
575-1-3/16X1-1/2T	1-3/16	1-1/2	1/16	5/32	.062	1
575-1.67X1.88X0.05T	1.674	1.88	.055	.103	.055 ±.002	1
575-2.4X2.6X.06ST	2.457	2.687	1/16	.115	.060	1
575-2.7X2.9X.06ST	2.707	2.937	1/16	.115	.060	1
575-5X0.128X0.29BT	5	5.59	.128	.29	.128	1
575-5.5X6.12T	5-1/2	6-1/8	1/16	5/16	.062	1
575-6.12X7ST	6-1/8	7	1/8	7/16	.125	1
575-6.66X7.00X0.08T	6.666	7	.08	.167	.080 ±.005	1
575-7X8T	7	8	1/8	1/2	.125	1
575-7.75X8.75X.125T	7-3/4	8-3/4	1/8	1/2	.125	1
575-9X10T	9	10	1/8	1/2	.125	1
575-13X14T	13	14	9/64	1/2	.140	1

STYLE 576 SPLIT NYLON BACK-UP RINGS



SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +250° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

PART NUMBERS

576 - 216

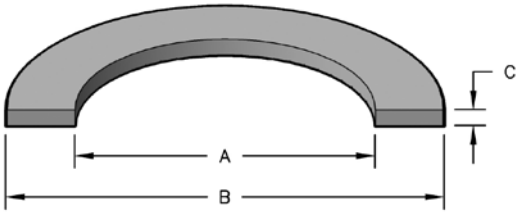
Prefix — Dash Number

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
1/8" C/S			
576-216	1-1/8	1-3/8	.06
576-2.37X.125	2-3/8	2-5/8	.07
576-2.50X.125	2-1/2	2-3/4	.07
3/16" C/S			
576-314	3/4	1-1/8	.07
576-320	1-1/8	1-1/2	.07
576-324	1-3/8	1-3/4	.07
576-325	1-1/2	1-7/8	.07
576-326	1-5/8	2	.07
576-327	1-3/4	2-1/8	.07
576-328	1-7/8	2-1/4	.07
576-329	2	2-3/8	.06
576-330	2-1/8	2-1/2	.07
576-331	2-1/4	2-5/8	.07
576-332	2-3/8	2-3/4	.06
576-333	2-1/2	2-7/8	.06
576-334	2-5/8	3	.06
576-2.62X3.00X.085	2-5/8	3	.085
576-338	3-1/8	3-1/2	.06
576-5.75X.185	5-3/4	6-1/8	.185
.205" C/S			
576-8.24X8.65X0.08	8.236	8.646	.08
1/4" C/S			
576-407	2-1/4	2-3/4	.07
576-408	2-3/8	2-7/8	.07
576-409	2-1/2	3	.07
576-2.62X3.12X.06	2-5/8	3-1/8	.06
576-411	2-3/4	3-1/4	.07
576-412	2-7/8	3-3/8	.07
576-413	3	3-1/2	.07
576-415	3-1/4	3-3/4	.07
576-417	3-1/2	4	.07
576-418-1/2	3-11/16	4-3/16	.07
576-419	3-3/4	4-1/4	.07
576-421	4	4-1/2	.07
576-423-1	4-1/4	4-3/4	.07
576-425	4-1/2	5	.07
576-427	4-3/4	5-1/4	.07
576-429	5	5-1/2	.07
576-433	5-1/2	6	.12
9/32" C/S			

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
576-3.18X3.75	3-3/16	3-3/4	.07
.29" C/S			
576-5.75X6.33X0.125	5.755	6.335	1/8
.2975" C/S			
576-3.4X4.0X1/8	3.405	4	1/8
3/8" C/S			
576-4.5X5.2	4-1/2	5-1/4	.13
576-5.5X6.25	5-1/2	6-1/4	.187
576-6.00X6.75X.125	6	6-3/4	1/8
1/2" C/S			
576-4X5	4	5	1/8
576-6X7	6	7	1/8

STYLE 590 HIGH PERFORMANCE BACK-UP RINGS

Style 590 Back-up Rings feature exceptional strength and abrasion resistance along with a 53 Shore D hardness rating which makes them suitable for high pressure service where extrusion is a problem. Primarily used as a u-seal back-up, these rings can be used with o-rings. They also retrofit urethane and PTFE back-up rings, with greater performance characteristics. "S" suffix designates a split ring.



PART NUMBERS

590 - 15

Prefix — Dash Number

SEAL INFORMATION

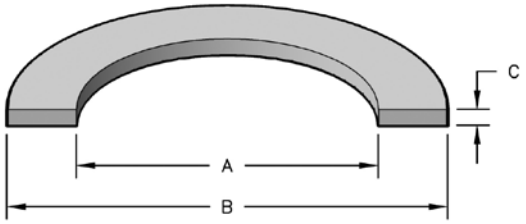
MATERIAL	HIGH PERFORMANCE URETHANE
TEMPERATURE RANGE	-40° TO +275° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS
1/8" C/S				
590-15	1/2	3/4	1/16	.062 ±.005
590-17	5/8	7/8	1/16	.062 ±.005
590-19S	3/4	1	1/16	.062 ±.005
590-214	1	1-1/4	1/16	.063 +.000 -.005
590-227	2-1/8	2-3/8	1/16	.050 ±.005
590-228	2-1/4	2-1/2	1/16	.050 ±.005
590-237	3-3/8	3-5/8	1/16	.050 ±.005
590-239	3-5/8	3-7/8	1/16	.050 ±.005
5/32" C/S				
590-32	1	1-5/16	1/16	.062 ±.005
590-34S	1-3/16	1-1/2	1/16	.062 ±.005
590-36	1-3/8	1-11/16	1/16	.062 ±.005
3/16" C/S				
590-324	1-3/8	1-3/4	1/16	.0625 +.000 -.005
590-325	1-1/2	1-7/8	1/16	.0625 +.000 -.005
590-45	1-5/8	2	1/16	.062 ±.005
590-45S	1-5/8	2	1/16	.062 ±.005
590-46	1-3/4	2-1/8	1/16	.062 ±.005
590-48	2	2-3/8	1/16	.062 ±.005
590-49	2-1/8	2-1/2	1/16	.062 ±.005
590-49S	2-1/8	2-1/2	1/16	.062 ±.005
590-338	3-1/8	3-1/2	1/16	.070 ±.005
590-341	3-1/2	3-7/8	1/16	.070 ±.006
590-345	4	4-3/8	1/16	.070 ±.006
590-346	4-1/8	4-1/2	1/16	.070 ±.006
590-347	4-1/4	4-5/8	1/16	.070 ±.006
590-349	4-1/2	4-7/8	1/16	.070 ±.006
590-352	4-7/8	5-1/4	1/16	.070 ±.006
590-354	5-1/8	5-1/2	1/16	.070 ±.006
590-358	5-5/8	6	1/16	.070 ±.006
7/32" C/S				

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS
590-54	2-1/2	2-15/16	1/16	.062 ±.005
590-57	2-13/16	3-1/4	1/16	.062 ±.005
590-57S	2-13/16	3-1/4	1/16	.062 ±.005
590-58	3	3-7/16	1/16	.062 ±.005
1/4" C/S				
590-66	3-1/2	4	1/16	.062 ±.005
590-66S	3-1/2	4	1/16	.062 ±.005
590-68	4	4-1/2	1/16	.062 ±.005
590-70	4-1/2	5	1/16	.062 ±.005
590-70S	4-1/2	5	1/16	.062 ±.005
9/32" C/S				
590-73S	4-7/16	5	1/16	.062 ±.005
590-75	5	5-9/16	1/16	.062 ±.005
590-5.43X6S	5-7/16	6	1/16	.062 ±.005
590-6.43X7S	6-7/16	7	1/16	.062 ±.005
5/16" C/S				
590-79	5-3/8	6	1/16	.062 ±.005
590-79S	5-3/8	6	1/16	.062 ±.005
590-5.5X6.12	5-1/2	6-1/8	1/16	.062 ±.005
590-83	6-3/8	7	1/16	.062 ±.005
590-83S	6-3/8	7	1/16	.062 ±.005
590-84	7-3/8	8	1/16	.062 ±.005
590-84S	7-3/8	8	1/16	.062 ±.005
11/32" C/S				
590-85S	9-5/16	10	1/16	.062 ±.005
3/8" C/S				
590-86S	11-1/4	12	1/16	.062 ±.005
13/32" C/S				
590-13.18X14S	13-3/16	14	1/16	.062 ±.005
1/2" C/S				
590-11X12S	11	12	1/16	.062 ±.005
590-87S	13	14	1/16	.062 ±.005

STYLE 595 PTFE BACK-UP RINGS FOR U-SEALS

Used primarily as an anti-extrusion device for u-seals, these back-up rings combine high performance with very low friction. "ST" suffix designates a split ring.



PART NUMBERS

595 - 15 T

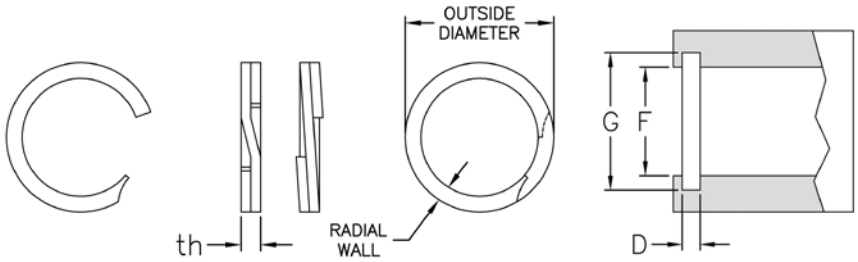
Prefix — Dash Number

SEAL INFORMATION	
MATERIAL	PTFE
TEMPERATURE RANGE	-100° TO +500° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRAL CLEARANCE

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	th THICKNESS
595-15T	1/2	3/4	1/16	.062 ±.005
595-17T	5/8	7/8	1/16	.062 ±.005
595-19ST	3/4	1	1/16	.062 ±.005
595-32T	1	1-5/16	1/16	.062 ±.005
595-34ST	1-3/16	1-1/2	1/16	.062 ±.005
595-36T	1-3/8	1-11/16	1/16	.062 ±.005
595-45ST	1-5/8	2	1/16	.062 ±.005
595-46T	1-3/4	2-1/8	1/16	.062 ±.005
595-48T	2	2-3/8	1/16	.062 ±.005
595-49ST	2-1/8	2-1/2	1/16	.062 ±.005
595-3.62X4X.09	3-5/8	4	3/32	.090 ±.005
595-54T	2-1/2	2-15/16	1/16	.062 ±.005
595-57ST	2-13/16	3-1/4	1/16	.062 ±.005
595-58T	3	3-7/16	1/16	.062 ±.005
595-66ST	3-1/2	4	1/16	.062 ±.005
595-66T	3-1/2	4	1/16	.062 ±.005
595-68T	4	4-1/2	1/16	.062 ±.005
595-70ST	4-1/2	5	1/16	.062 ±.005
595-70T	4-1/2	5	1/16	.062 ±.005
595-73ST	4-7/16	5	1/16	.062 ±.005
595-75T	5	5-9/16	1/16	.062 ±.005
595-5.43X6ST	5-7/16	6	1/16	.062 ±.005
595-6.43X7ST	6-7/16	7	1/16	.062 ±.005
595-79ST	5-3/8	6	1/16	.062 ±.005
595-83ST	6-3/8	7	1/16	.062 ±.005
595-84ST	7-3/8	8	1/16	.062 ±.005
595-85ST	9-5/16	10	1/16	.062 ±.005
595-5.2X6T	5-1/4	6	1/8	.125 ±.005
595-86ST	11-1/4	12	1/16	.062 ±.005
595-13.18X14ST	13-3/16	14	1/16	.062 ±.005
595-5.12X6ST	5-1/8	6	1/8	.125 ±.005
595-11X12ST	11	12	1/16	.062 ±.005
595-87ST	13	14	1/16	.062 ±.005

SPIRAL INTERNAL RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE	
Our Prefix	Ramsey Spirolox Prefix
VH-	UR-
WH-	RR-
WHM-	RRN-
WHT-	RRT-



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WHM-50	1/2	17/32	.035	.039 +.003 +.000	.500	.530 ±.002	.448	.538 +.013 +.000	.035 ±.002	.045 ±.004
WH-62	5/8	21/32	.025	.030 +.003 +.000	.625	.651 ±.002	.568	.658 +.013 +.000	.025 ±.002	.045 ±.004
WHM-62	5/8	43/64	.035	.039 +.003 +.000	.625	.665 ±.002	.565	.675 +.013 +.000	.035 ±.002	.055 ±.004
WHT-68	11/16	23/32	.035	.039 +.003 +.000	.688	.724 ±.003	.620	.730 +.000 -.013	.035 ±.002	.055 ±.004
WHM-68	11/16	47/64	.035	.039 +.003 +.000	.688	.732 ±.002	.613	.743 +.013 +.000	.035 ±.002	.065 ±.004
WHM-75	3/4	51/64	.035	.039 +.003 +.000	.750	.796 ±.002	.677	.807 +.013 +.000	.035 ±.002	.065 ±.004
WH-78	25/32	13/16	.031	.036 +.003 +.000	.781	.812 ±.003	.691	.821 +.013 +.000	.031 ±.002	.065 ±.004
WH-87	7/8	29/32	.031	.036 +.003 +.000	.875	.912 ±.003	.792	.922 +.013 +.000	.031 ±.002	.065 ±.004
WHM-87	7/8	15/16	.042	.046 +.003 +.000	.875	.931 ±.003	.773	.943 +.013 +.000	.042 ±.002	.085 ±.004
WH-100	1	1-3/64	.037	.042 +.003 +.000	1.000	1.043 ±.003	.904	1.054 +.013 +.000	.037 ±.002	.075 ±.004
WHM-100	1	1-1/16	.042	.046 +.003 +.000	1.000	1.066 ±.003	.910	1.080 +.013 +.000	.042 ±.002	.085 ±.004
WH-112	1-1/8	1-11/64	.037	.042 +.003 +.000	1.125	1.167 ±.004	1.030	1.180 +.015 +.000	.037 ±.002	.075 ±.004
WHM-112	1-1/8	1-13/64	.05	.056 +.004 +.000	1.125	1.197 ±.004	.999	1.205 +.013 +.000	.050 ±.002	.103 ±.004
WHT-118	1-3/16	1-1/4	.05	.056 +.004 +.000	1.188	1.250 ±.004	1.084	1.260 +.000 -.015	.050 ±.002	.088 ±.004
WH-125	1-1/4	1-19/64	.043	.048 +.004 +.000	1.250	1.298 ±.004	1.142	1.312 +.015 +.000	.043 ±.002	.085 ±.004
WHM-125	1-1/4	1-21/64	.05	.056 +.004 +.000	1.250	1.330 ±.004	1.133	1.339 +.013 +.000	.050 ±.002	.103 ±.004
WH-128	1-9/32	1-21/64	.043	.048 +.004 +.000	1.281	1.329 ±.004	1.172	1.342 +.015 +.000	.043 ±.002	.085 ±.004
WHT-131	1-5/16	1-25/64	.05	.056 +.004 +.000	1.312	1.385 ±.004	1.209	1.395 +.000 -.015	.050 ±.002	.093 ±.004
VH-137	1-3/8	1-27/64	.025	.031 +.002 +.000	1.375	1.419 ±.004	1.257	1.433 +.015 +.000	.025 ±.0015	.088 ±.004
WH-137	1-3/8	1-27/64	.043	.048 +.004 +.000	1.375	1.427 ±.004	1.252	1.442 +.015 +.000	.043 ±.002	.095 ±.004
WHM-137	1-3/8	1-15/32	.05	.056 +.004 +.000	1.375	1.461 ±.004	1.235	1.471 +.013 +.000	.050 ±.002	.118 ±.004
VH-150	1-1/2	1-35/64	.025	.031 +.002 +.000	1.500	1.544 ±.004	1.383	1.559 +.015 +.000	.025 ±.0015	.088 ±.004
WH-150	1-1/2	1-35/64	.043	.048 +.004 +.000	1.500	1.552 ±.004	1.377	1.567 +.015 +.000	.043 ±.002	.095 ±.004
WHT-150	1-1/2	1-37/64	.05	.056 +.004 +.000	1.500	1.580 ±.004	1.375	1.591 +.000 -.015	.050 ±.002	.108 ±.004
WHM-150	1-1/2	1-19/32	.05	.056 +.004 +.000	1.500	1.594 ±.004	1.369	1.605 +.013 +.000	.050 ±.002	.118 ±.004
WHM-165	1.516	1.772	.062	.068 +.004 +.000	1.653	1.755 ±.005	1.516	1.772 +.020 +.000	.062 ±.003	.128 ±.004

Seal color may vary.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WH-156	1-9/16	1-39/64	.049	.056 +.004 +.000	1.562	1.617 ±.005	1.418	1.634 +.020 +.000	.049 ±.003	.108 ±.004
WHM-156	1-9/16	1-21/32	.062	.068 +.004 +.000	1.562	1.658 ±.005	1.419	1.675 +.020 +.000	.062 ±.003	.128 ±.004
VH-162	1-5/8	1-11/16	.031	.039 +.003 +.000	1.625	1.682 ±.005	1.465	1.701 +.020 +.000	.031 ±.002	.118 ±.004
WH-162	1-5/8	1-11/16	.049	.056 +.004 +.000	1.625	1.684 ±.005	1.485	1.701 +.020 +.000	.049 ±.003	.108 ±.004
WHT-162	1-5/8	1-23/32	.062	.068 +.004 +.000	1.625	1.715 ±.005	1.501	1.727 +.000 -.020	.062 ±.003	.113 ±.004
WH-175	1-3/4	1-13/16	.049	.056 +.004 +.000	1.750	1.813 ±.005	1.598	1.834 +.020 +.000	.049 ±.003	.118 ±.004
WHT-175	1-3/4	1-27/32	.062	.068 +.004 +.000	1.750	1.845 ±.005	1.622	1.858 +.000 -.020	.062 ±.003	.118 ±.004
WHM-175	1-3/4	1-55/64	.062	.068 +.004 +.000	1.750	1.858 ±.005	1.620	1.876 +.020 +.000	.062 ±.003	.128 ±.004
VH-187	1-7/8	1-15/16	.031	.039 +.003 +.000	1.875	1.932 ±.005	1.717	1.953 +.020 +.000	.031 ±.002	.118 ±.004
WH-187	1-7/8	1-15/16	.049	.056 +.004 +.000	1.875	1.942 ±.005	1.724	1.960 +.020 +.000	.049 ±.003	.118 ±.004
WHT-187	1-7/8	1-31/32	.062	.068 +.004 +.000	1.875	1.975 ±.005	1.733	1.989 +.000 -.020	.062 ±.003	.128 ±.004
VH-200	2	2-1/16	.031	.039 +.003 +.000	2.000	2.057 ±.005	1.843	2.079 +.020 +.000	.031 ±.002	.118 ±.004
WH-200	2	2-5/64	.049	.056 +.004 +.000	2.000	2.071 ±.005	1.835	2.091 +.020 +.000	.049 ±.003	.128 ±.004
WHT-200	2	2-7/64	.062	.068 +.004 +.000	2.000	2.110 ±.005	1.849	2.125 +.000 -.020	.062 ±.003	.138 ±.004
WHM-200	2	2-1/8	.062	.068 +.004 +.000	2.000	2.122 ±.005	1.826	2.142 +.020 +.000	.062 ±.003	.158 ±.004
WH-204	2-3/64	2-1/8	.049	.056 +.004 +.000	2.047	2.118 ±.005	1.882	2.138 +.020 +.000	.049 ±.003	.128 ±.004
VH-206	2-1/16	2-9/64	.031	.039 +.003 +.000	2.062	2.138 ±.006	1.846	2.162 +.025 +.000	.031 ±.002	.158 ±.004
WHT-206	2-1/16	2-11/64	.078	.086 +.005 +.000	2.062	2.175 ±.006	1.908	2.190 +.000 -.025	.078 ±.003	.141 ±.004
WHM-206	2-1/16	2-3/16	.078	.086 +.005 +.000	2.062	2.186 ±.006	1.865	2.201 +.025 +.000	.078 ±.003	.168 ±.005
WHM-218	2-3/16	2-5/16	.078	.086 +.005 +.000	2.188	2.318 ±.006	1.998	2.334 +.025 +.000	.078 ±.003	.168 ±.005
VH-225	2-1/4	2-21/64	.031	.039 +.003 +.000	2.250	2.326 ±.006	2.036	2.352 +.025 +.000	.031 ±.002	.158 ±.004
WHM-225	2-1/4	2-3/8	.078	.086 +.005 +.000	2.250	2.382 ±.006	2.063	2.399 +.025 +.000	.078 ±.003	.168 ±.005
WHT-225	2-1/4	2-3/8	.078	.086 +.005 +.000	2.250	2.370 ±.006	2.104	2.386 +.000 -.025	.078 ±.003	.141 ±.004
VH-231	2-5/16	2-25/64	.031	.039 +.003 +.000	2.312	2.388 ±.006	2.099	2.415 +.025 +.000	.031 ±.002	.158 ±.004
WH-231	2-5/16	2-25/64	.049	.056 +.004 +.000	2.312	2.390 ±.006	2.137	2.413 +.025 +.000	.049 ±.003	.138 ±.004
WH-237	2-3/8	2-29/64	.049	.056 +.004 +.000	2.375	2.453 ±.006	2.200	2.476 +.025 +.000	.049 ±.003	.138 ±.004
VH-243	2-7/16	2-33/64	.031	.039 +.003 +.000	2.437	2.513 ±.006	2.225	2.541 +.025 +.000	.031 ±.002	.158 ±.004
WHT-244	2-7/16	2-9/16	.078	.086 +.005 +.000	2.440	2.570 ±.006	2.212	2.588 +.000 -.025	.078 ±.003	.188 ±.005
VH-250	2-1/2	2-37/64	.031	.039 +.003 +.000	2.500	2.576 ±.006	2.289	2.605 +.025 +.000	.031 ±.002	.158 ±.004
WH-250	2-1/2	2-37/64	.049	.056 +.004 +.000	2.500	2.582 ±.006	2.310	2.606 +.025 +.000	.049 ±.003	.148 ±.004
WHM-250	2-1/2	2-41/64	.078	.086 +.005 +.000	2.500	2.648 ±.006	2.267	2.667 +.025 +.000	.078 ±.003	.200 ±.005
WHT-250	2-1/2	2-41/64	.078	.086 +.005 +.000	2.500	2.635 ±.006	2.277	2.653 +.000 -.025	.078 ±.003	.188 ±.005
WHT-253	2-17/32	2-43/64	.078	.086 +.005 +.000	2.531	2.668 ±.006	2.311	2.687 +.000 -.025	.078 ±.003	.188 ±.005

SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WHT-256	2-9/16	2-45/64	.093	.103 +.005 +.000	2.562	2.700 ±.006	2.344	2.720 +.000 -.025	.093 ±.003	.188 ±.005
WHM-256	2-9/16	2-23/32	.093	.103 +.005 +.000	2.562	2.714 ±.006	2.283	2.733 +.030 +.000	.093 ±.003	.225 ±.005
WHT-275	2-3/4	2-29/32	.093	.103 +.005 +.000	2.750	2.900 ±.006	2.545	2.921 +.000 -.025	.093 ±.003	.188 ±.005
VH-281	2-13/16	2-57/64	.031	.039 +.003 +.000	2.812	2.888 ±.006	2.604	2.920 +.025 +.000	.031 ±.002	.158 ±.004
WH-283	2-53/64	2-59/64	.049	.056 +.004 +.000	2.834	2.928 ±.006	2.618	2.954 +.025 +.000	.049 ±.003	.168 ±.005
WHT-283	2-53/64	2-63/64	.093	.103 +.005 +.000	2.834	2.987 ±.006	2.633	3.009 +.025 +.000	.093 ±.003	.188 ±.005
WHM-283	2-53/64	3	.093	.103 +.005 +.000	2.834	3.006 ±.006	2.577	3.027 +.030 +.000	.093 ±.003	.225 ±.005
WH-287	2-7/8	2-31/32	.049	.056 +.004 +.000	2.875	2.969 ±.006	2.659	2.995 +.025 +.000	.049 ±.003	.168 ±.005
VH-300	3	3-5/64	.031	.039 +.003 +.000	3.000	3.076 ±.006	2.794	3.110 +.025 +.000	.031 ±.002	.158 ±.004
WH-300	3	3-3/32	.061	.068 +.005 +.000	3.000	3.096 ±.006	2.786	3.122 +.025 +.000	.061 ±.003	.168 ±.005
WHT-300	3	3-11/64	.093	.103 +.005 +.000	3.000	3.165 ±.006	2.812	3.188 +.025 +.000	.093 ±.003	.188 ±.005
WHM-300	3	3-3/16	.093	.103 +.005 +.000	3.000	3.182 ±.006	2.754	3.204 +.030 +.000	.093 ±.003	.225 ±.005
WHT-312	3-1/8	3-19/64	.111	.120 +.005 +.000	3.125	3.295 ±.006	2.818	3.318 +.030 +.000	.111 ±.003	.250 ±.005
WH-325	3-1/4	3-11/32	.061	.068 +.005 +.000	3.250	3.350 ±.006	3.023	3.379 +.030 +.000	.061 ±.003	.178 ±.005
WHT-325	3-1/4	3-27/64	.111	.120 +.005 +.000	3.250	3.426 ±.006	2.950	3.450 +.030 +.000	.111 ±.003	.250 ±.005
WHLA-368	3.329	3.665	.06	.068	3.500	3.665		3.684	.060	.168
WHL-371	3.331	3.705	.086	.091	3.500	3.705		3.725	.086	.187
WHL-378-HDC	3.491	3.755	.077	.086	3.625	3.755		3.780	.077	.132
WH-350	3-1/2	3-39/64	.061	.068 +.005 +.000	3.500	3.606 ±.006	3.260	3.636 +.030 +.000	.061 ±.003	.188 ±.005
WHT-350	3-1/2	3-11/16	.111	.120 +.005 +.000	3.500	3.690 ±.006	3.216	3.716 +.030 +.000	.111 ±.003	.250 ±.005
WHM-350	3-1/2	3-45/64	.111	.120 +.005 +.000	3.500	3.710 ±.006	3.174	3.736 +.035 +.000	.111 ±.003	.281 ±.005
WHL-392	3.535	3.909	.093	.103	3.750	3.909		3.929	.093	.187
WH-356	3-9/16	3-43/64	.061	.068 +.005 +.000	3.562	3.672 ±.006	3.307	3.703 +.030 +.000	.061 ±.003	.198 ±.005
WHL-424	3.846	4.22	.09	.098	4.125	4.220		4.249	.090	.187
WH-400	4	4-1/8	.061	.068 +.005 +.000	4.000	4.124 ±.006	3.721	4.157 +.030 +.000	.061 ±.003	.218 ±.005
WHT-400	4	4-7/32	.111	.120 +.005 +.000	4.000	4.220 ±.006	3.748	4.248 +.030 +.000	.111 ±.003	.250 ±.005
WHM-400	4	4-15/64	.111	.120 +.005 +.000	4.000	4.240 ±.006	3.646	4.270 +.035 +.000	.111 ±.003	.312 ±.006
WH-406	4-1/16	4-3/16	.061	.068 +.005 +.000	4.063	4.187 ±.006	3.786	4.222 +.030 +.000	.061 ±.003	.218 ±.005
VH-412	4-1/8	4-15/64	.046	.052 +.004 +.000	4.125	4.235 ±.006	3.829	4.279 +.035 +.000	.046 ±.002	.225 ±.005
WHL-473	4.212	4.712	.111	.120	4.500	4.712		4.732	.111	.250
WHM-425	4-1/4	4-31/64	.111	.120 +.005 +.000	4.250	4.490 ±.006	3.896	4.520 +.035 +.000	.111 ±.003	.312 ±.006
WHL-472	4.326	4.7	.093	.098	4.500	4.700		4.721	.093	.187
WHM-433	4-21/64	4-9/16	.111	.120 +.005 +.000	4.330	4.570 ±.006	3.976	4.600 +.035 +.000	.111 ±.003	.312 ±.006
WH-450	4-1/2	4-41/64	.061	.068 +.005 +.000	4.500	4.636 ±.006	4.198	4.674 +.035 +.000	.061 ±.003	.238 ±.005
WHM-450	4-1/2	4-47/64	.111	.120 +.005 +.000	4.500	4.740 ±.006	4.146	4.770 +.035 +.000	.111 ±.003	.312 ±.006
WHT-450	4-1/2	4-47/64	.111	.120 +.005 +.000	4.500	4.735 ±.006	4.144	4.768 +.035 +.000	.111 ±.003	.312 ±.006

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

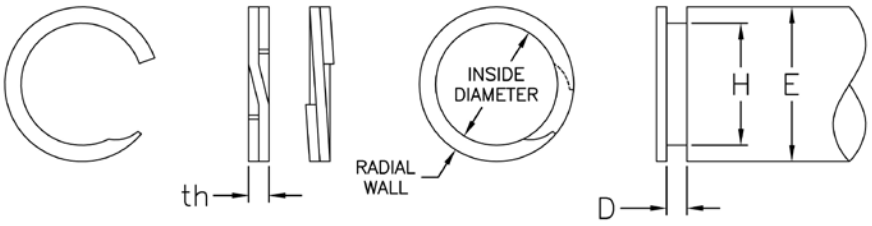
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

SPIRAL INTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WHL-495	4.564	4.938	.093	.103	4.750	4.938		4.958	.093	.187
VH-462	4-5/8	4-47/64	.046	.052 +.004 +.000	4.625	4.735 ±.006	4.334	4.784 +.035 +.000	.046 ±.002	.225 ±.005
WHT-475	4-3/4	5	.111	.120 +.005 +.000	4.750	4.995 ±.006	4.404	5.028 +.035 +.000	.111 ±.003	.312 ±.006
WHL-525	4.849	5.223	.09	.0987	5.125	5.223		5.252	.090	.187
WH-500	5	5-9/64	.072	.079 +.005 +.000	5.000	5.144 ±.006	4.685	5.185 +.035 +.000	.072 ±.004	.250 ±.005
WHT-500	5	5-17/64	.111	.120 +.005 +.000	5.000	5.260 ±.006	4.671	5.295 +.035 +.000	.111 ±.003	.312 ±.006
WHL-573	5.22	5.72	.111	.120	5.500	5.720		5.739	.111	.250
WH-525	5-1/4	5-25/64	.072	.079 +.005 +.000	5.250	5.393 ±.007	4.936	5.436 +.045 +.000	.072 ±.004	.250 ±.005
WHL-574	5.346	5.72	.093	.098	5.500	5.720		5.740	.093	.187
VH-550	5-1/2	5-41/64	.061	.067 +.004 +.000	5.500	5.638 ±.007	5.244	5.694 +.045 +.000	.061 ±.002	.225 ±.005
WH-550	5-1/2	5-41/64	.072	.079 +.005 +.000	5.500	5.647 ±.007	5.193	5.693 +.045 +.000	.072 ±.004	.250 ±.005
WHT-550	5-1/2	5-49/64	.127	.139 +.006 +.000	5.500	5.770 ±.007	5.060	5.810 +.045 +.000	.127 ±.004	.375 ±.006
WH-551	5-33/64	5-21/32	.072	.079 +.005 +.000	5.511	5.658 ±.007	5.203	5.703 +.045 +.000	.072 ±.004	.250 ±.005
WHL-595	5.562	5.936	.122	.131	5.750	5.936		5.956	.122	.187
WH-570	5-45/64	5-55/64	.072	.079 +.005 +.000	5.708	5.861 ±.007	5.409	5.909 +.045 +.000	.072 ±.004	.250 ±.005
VH-575	5-3/4	5-57/64	.061	.067 +.004 +.000	5.750	5.894 ±.007	5.503	5.953 +.045 +.000	.061 ±.002	.225 ±.005
WH-600	6	6-5/32	.072	.079 +.005 +.000	6.000	6.153 ±.007	5.702	6.202 +.045 +.000	.072 ±.004	.250 ±.005
WHM-600	6	6-17/64	.127	.139 +.006 +.000	6.000	6.270 ±.007	5.614	6.314 +.050 +.000	.127 ±.004	.350 ±.006
WHT-600	6	6-17/64	.127	.139 +.006 +.000	6.000	6.270 ±.007	5.564	6.314 +.045 +.000	.127 ±.004	.375 ±.006
WH-612	6-1/8	6-19/64	.086	.094 +.006 +.000	6.125	6.297 ±.008	5.725	6.349 +.045 +.000	.086 ±.004	.312 ±.006
WHL-672	6.206	6.706	.111	.120	6.500	6.706		6.726	.111	.250
WHL-683	6.392	6.8	.105	.115	6.500	6.800		6.830	.105	.204
WHT-650	6-1/2	6-51/64	.165	.174 +.008 +.000	6.500	6.790 ±.008	6.213	6.837 +.055 +.000	.165 ±.005	.312 ±.006
WHT-662	6-5/8	6-59/64	.165	.174 +.008 +.000	6.625	6.925 ±.008	6.349	6.973 +.055 +.000	.165 ±.005	.312 ±.006
WHL-724	6.739	7.229	.122	.131	6.875	7.229		7.249	.122	.245
VH-675	6-3/4	6-59/64	.061	.067 +.004 +.000	6.750	6.919 ±.008	6.458	6.988 +.045 +.000	.061 ±.002	.265 ±.005
WH-700	7	7-3/16	.086	.094 +.006 +.000	7.000	7.182 ±.008	6.615	7.239 +.055 +.000	.086 ±.004	.312 ±.006
WHT-700	7	7-5/16	.165	.174 +.008 +.000	7.000	7.315 ±.008	6.742	7.366 +.055 +.000	.165 ±.005	.312 ±.006
WH-712	7-1/8	7-5/16	.086	.094 +.006 +.000	7.125	7.317 ±.008	6.752	7.376 +.055 +.000	.086 ±.004	.312 ±.006
WHL-770	7.18	7.68	.111	.120	7.500	7.680		7.700	.111	.250
WH-750	7-1/2	7-11/16	.086	.094 +.006 +.000	7.500	7.692 ±.008	7.130	7.754 +.065 +.000	.086 ±.004	.312 ±.006
WHL-849	7.983	8.473	.122	.131	8.125	8.473		8.493	.122	.245
WHL-871	8.19	8.69	.111	.120	8.500	8.690		8.710	.111	.250
WHL-876	8.24	8.74	.111	.120	8.520	8.740		8.760	.111	.250
WH-850	8-1/2	8-23/32	.086	.094 +.006 +.000	8.500	8.712 ±.008	8.030	8.780 +.065 +.000	.086 ±.004	.375 ±.006
WHL-992	9.407	9.907	.108	.115	9.625	9.907		9.927	.108	.250
WHL-1013	9.6	10.1	.108	.115	10.000	10.100		10.120	.108	.250
WHT-975	9-3/4	10-3/16	.189	.209 +.008 +.000	9.750	10.189 ±.008	9.510	10.260 +.070 +.000	.189 ±.005	.375 ±.006
WHT-1050	10-1/2	10-31/32	.189	.209 +.008 +.000	10.500	10.970 ±.008	10.322	11.072 +.070 +.000	.189 ±.005	.375 ±.006

SPIRAL EXTERNAL RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE	
Our Prefix	Ramsey Spirolox Prefix
VS-	US-
WS-	RS-
WST-	RSN-
WSM-	RST-



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WSM-50	15/32	1/2	.035	.039 +.003 +.000	.500	.468 ±.002	.464 +.000 -.013	.564	.035 ±.002	.050 ±.004
WSM-62	19/32	5/8	.035	.039 +.003 +.000	.625	.588 ±.003	.583 +.000 -.013	.693	.035 ±.002	.055 ±.004
WSM-75	45/64	3/4	.042	.046 +.003 +.000	.750	.704 ±.003	.698 +.000 -.013	.828	.042 ±.002	.065 ±.004
WST-75	3/4	23/32	.042	.046 +.003 +.000	.750	.715 ±.003	.708 +.000 -.013	.838	.042 ±.002	.065 ±.004
WSM-87	53/64	7/8	.042	.046 +.003 +.000	.875	.821 ±.003	.814 +.000 -.013	.964	.042 ±.002	.075 ±.004
WST-93	57/64	15/16	.042	.046 +.003 +.000	.938	.894 ±.003	.886 +.000 -.013	1.036	.042 ±.002	.075 ±.004
WSM-100	15/16	1	.042	.046 +.003 +.000	1.000	.940 ±.003	.932 +.000 -.013	1.102	.042 ±.002	.085 ±.004
WS-103	63/64	1-1/32	.037	.042 +.003 +.000	1.031	.988 ±.003	.978 +.000 -.013	1.128	.037 ±.002	.075 ±.004
WST-106	1-1/64	1-1/16	.05	.056 +.004 +.000	1.062	1.015 ±.004	1.005 +.000 -.015	1.181	.050 ±.002	.088 ±.004
WSM-112	1-1/16	1-1/8	.05	.056 +.004 +.000	1.125	1.059 ±.004	1.047 +.000 -.013	1.253	.050 ±.002	.103 ±.004
VS-118	1.132	1.308	.025	.031 +.002 +.000	1.187	1.143 ±.004	1.132 +.000 -.015	1.308	.025 ±.002	.088 ±.004
WSM-125	1-11/64	1-1/4	.05	.056 +.004 +.000	1.250	1.176 ±.004	1.163 +.000 -.013	1.369	.050 ±.002	.103 ±.004
WS-131	1-17/64	1-5/16	.043	.048 +.004 +.000	1.312	1.264 ±.004	1.251 +.000 -.015	1.441	.043 ±.002	.095 ±.004
WSM-137	1-19/64	1-3/8	.05	.056 +.004 +.000	1.375	1.291 ±.004	1.277 +.000 -.013	1.513	.050 ±.002	.118 ±.004
VS-137	1.318	1.494	.025	.031 +.002 +.000	1.375	1.331 ±.004	1.318 +.000 -.015	1.494	.025 ±.002	.088 ±.004
WS-137	1-21/64	1-3/8	.043	.048 +.004 +.000	1.375	1.323 ±.004	1.308 +.000 -.015	1.498	.043 ±.002	.095 ±.004
WS-143	1-25/64	1-7/16	.043	.048 +.004 +.000	1.437	1.385 ±.004	1.370 +.000 -.015	1.560	.043 ±.002	.095 ±.004
WSM-150	1-13/32	1-1/2	.05	.056 +.004 +.000	1.500	1.406 ±.004	1.390 +.000 -.013	1.626	.050 ±.002	.118 ±.004
WST-162	1-35/64	1-5/8	.062	.068 +.004 +.000	1.625	1.550 ±.005	1.537 +.000 -.020	1.773	.062 ±.003	.118 ±.004
VS-162	1-9/16	1-5/8	.031	.039 +.003 +.000	1.625	1.568 ±.005	1.550 +.000 -.020	1.786	.031 ±.002	.118 ±.004
WST-168	1-39/64	1-11/16	.062	.068 +.004 +.000	1.687	1.610 ±.005	1.598 +.000 -.020	1.834	.062 ±.003	.118 ±.004
WSM-175	1-21/32	1-3/4	.062	.068 +.004 +.000	1.750	1.650 ±.005	1.633 +.000 -.020	1.889	.062 ±.003	.128 ±.004
WST-175	1-43/64	1-3/4	.062	.068 +.004 +.000	1.750	1.670 ±.005	1.657 +.000 -.020	1.893	.062 ±.003	.118 ±.004
WS-175	1-11/16	1-3/4	.049	.056 +.004 +.000	1.750	1.691 ±.005	1.673 +.000 -.020	1.909	.049 ±.003	.118 ±.004
WST-187	1-51/64	1-7/8	.062	.068 +.004 +.000	1.875	1.790 ±.005	1.774 +.000 -.020	2.020	.062 ±.003	.123 ±.004
VS-187	1-13/16	1-7/8	.031	.039 +.003 +.000	1.875	1.818 ±.005	1.798 +.000 -.020	2.034	.031 ±.002	.118 ±.004

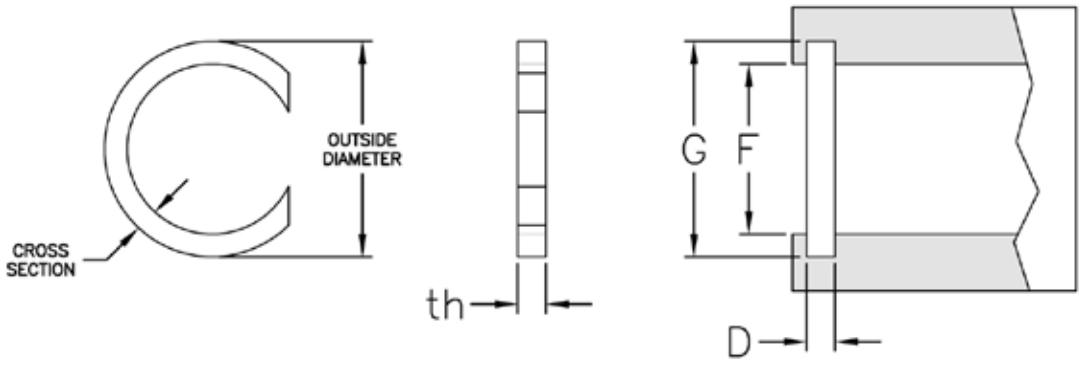
SPIRAL EXTERNAL RETAINER RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WSM-200	1-57/64	2	.062	.068 +.004 +.000	2.000	1.886 ±.005	1.867 +.000 -.020	2.183	.062 ±.003	.158 ±.004
WS-196	1-29/32	1-31/32	.049	.056 +.004 +.000	1.969	1.902 ±.005	1.882 +.000 -.020	2.138	.049 ±.003	.128 ±.004
VS-206	1.963	2.279	.031	.039 +.003 +.000	2.062	1.986 ±.006	1.963 +.000 -.025	2.279	.031 ±.002	.158 ±.004
WS-206	1-63/64	2-1/16	.049	.056 +.004 +.000	2.062	1.992 ±.006	1.971 +.000 -.020	2.227	.049 ±.003	.128 ±.004
VS-225	2.149	2.465	.031	.039 +.003 +.000	2.250	2.174 ±.006	2.149 +.000 -.025	2.465	.031 ±.002	.158 ±.004
WS-225	2-11/64	2-1/4	.049	.056 +.004 +.000	2.250	2.176 ±.006	2.153 +.000 -.025	2.429	.049 ±.003	.138 ±.004
WS-231	2-15/64	2-5/16	.049	.056 +.004 +.000	2.312	2.234 ±.006	2.211 +.000 -.025	2.487	.049 ±.003	.138 ±.004
WS-236	2-9/32	2-23/64	.049	.056 +.004 +.000	2.362	2.284 ±.006	2.261 +.000 -.025	2.537	.049 ±.003	.138 ±.004
WST-250	2-25/64	2-1/2	.078	.086 +.005 +.000	2.500	2.385 ±.006	2.366 +.000 -.025	2.742	.078 ±.003	.188 ±.005
WS-250	2-27/64	2-1/2	.049	.056 +.004 +.000	2.500	2.418 ±.006	2.394 +.000 -.025	2.690	.049 ±.003	.148 ±.004
WST-262	2-1/2	2-5/8	.078	.086 +.005 +.000	2.625	2.505 ±.006	2.485 +.000 -.025	2.861	.078 ±.003	.188 ±.005
WS-268	2-19/32	2-11/16	.049	.056 +.004 +.000	2.688	2.597 ±.006	2.572 +.000 -.025	2.888	.049 ±.003	.158 ±.004
WST-275	2-5/8	2-3/4	.093	.103 +.005 +.000	2.750	2.625 ±.006	2.604 +.000 -.030	2.980	.093 ±.003	.188 ±.005
WS-275	2-21/32	2-3/4	.049	.056 +.004 +.000	2.750	2.660 ±.006	2.635 +.000 -.030	2.951	.049 ±.003	.158 ±.004
WS-293	2-27/32	2-15/16	.049	.056 +.004 +.000	2.937	2.843 ±.006	2.817 +.000 -.030	3.153	.049 ±.003	.168 ±.005
WST-300	2-55/64	3	.093	.103 ±.005	3.000	2.860 ±.006	2.838 +.000 -.030	3.214	.093 ±.003	.188 ±.005
VS-300	2.892	3.208	.031	.039 +.003 +.000	3.000	2.924 ±.006	2.892 +.000 -.025	3.208	.031 ±.002	.158 ±.004
WS-312	3-1/32	3-1/8	.061	.068 +.005 +.000	3.125	3.027 ±.006	3.000 +.000 -.030	3.356	.061 ±.003	.178 ±.005
WSM-325	3-5/64	3-1/4	.093	.103 +.005 +.000	3.250	3.076 ±.006	3.054 +.000 -.030	3.504	.093 ±.003	.225 ±.005
WS-325	3-5/32	3-1/4	.061	.068 +.005 +.000	3.250	3.150 ±.006	3.121 +.000 -.030	3.477	.061 ±.003	.178 ±.005
WS-334	3-15/64	3-11/32	.061	.068 +.005 +.000	3.343	3.239 ±.006	3.210 +.000 -.030	3.586	.061 ±.003	.188 ±.005
WST-343	3-9/32	3-7/16	.093	.103 ±.005	3.437	3.280 ±.006	3.254 +.000 -.030	3.630	.093 ±.003	.188 ±.005
WST-350	3-11/32	3-1/2	.111	.120 ±.005	3.500	3.340 ±.006	3.153 +.000 -.040	3.653	.111 ±.003	.250 ±.005
WS-362	3-33/64	3-5/8	.061	.068 +.005 +.000	3.625	3.515 ±.006	3.483 +.000 -.040	3.879	.061 ±.003	.198 ±.005
WST-375	3-37/64	3-3/4	.111	.120 ±.005	3.750	3.577 ±.006	3.550 +.000 -.040	4.050	.111 ±.003	.250 ±.005
VS-375	3.62	3.996	.039	.044 +.003 +.000	3.750	3.658 ±.006	3.620 +.000 -.030	3.996	.039 ±.002	.188 ±.005
WST-400	3-13/16	4	.111	.120 ±.005	4.000	3.815 ±.006	3.787 +.000 -.040	4.287	.111 ±.003	.250 ±.005
VS-400	3-29/32	4	.039	.044 +.003 +.000	4.000	3.908 ±.006	3.867 +.000 -.030	4.243	.039 ±.002	.188 ±.005
VS-412	4-1/64	4-1/8	.046	.052 +.004 +.000	4.125	4.015 ±.006	3.973 +.000 -.035	4.423	.046 ±.002	.225 ±.005
WST-425	4-1/16	4-1/4	.111	.120 ±.005	4.250	4.065 ±.006	4.032 +.000 -.040	4.532	.111 ±.003	.250 ±.005
WST-450	4-5/16	4-1/2	.111	.120 ±.005	4.500	4.310 ±.006	4.280 +.000 -.040	4.780	.111 ±.003	.250 ±.005
WS-450	4-23/64	4-1/2	.061	.068 +.005 +.000	4.500	4.364 ±.006	4.326 +.000 -.040	4.802	.061 ±.003	.238 ±.005
WST-500	4-51/64	5	.111	.120 ±.005	5.000	4.790 ±.006	4.755 +.000 -.040	5.255	.111 ±.003	.250 ±.005

SPIRAL EXTERNAL RETAINER RINGS

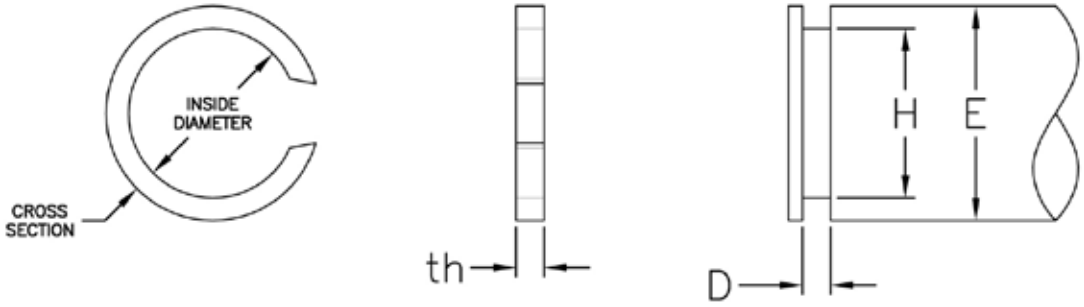
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
WS-525	5-7/64	5-1/4	.072	.079 +.005 +.000	5.250	5.107 ±.007	5.064 +.000 -.050	5.564	.072 ±.004	.250 ±.005
VS-525	5-1/8	5-1/4	.061	.067 +.004 +.000	5.250	5.119 ±.007	5.067 +.000 -.045	5.517	.061 ±.002	.225 ±.005
WS-537	5-15/64	5-3/8	.072	.079 +.005 +.000	5.375	5.228 ±.007	5.187 +.000 -.050	5.687	.072 ±.004	.250 ±.005
WS-550	5-23/64	5-1/2	.072	.079 +.005 +.000	5.500	5.353 ±.007	5.308 +.000 -.050	5.808	.072 ±.004	.250 ±.005
VS-625	6-3/32	6-1/4	.061	.067 +.004 +.000	6.250	6.094 ±.008	6.033 +.000 -.045	6.563	.061 ±.002	.265 ±.005
WST-675	6-15/32	6-3/4	.165	.174 +.008 +.000	6.750	6.465 ±.008	6.420 +.000 -.060	7.044	.165 ±.005	.312 ±.006

EATON NAN SERIES INTERNAL RETAINER RINGS



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION
NAN-62	5/8	.657	.035	.039 +.003 +.000	.625	.657 ±.003	.574	.670 +.025 +.000	.035 ±.002	.048 ±.003
NAN-75	3/4	.786	.035	.039 +.003 +.000	.750	.786 ±.003	.703	.799 +.025 +.000	.035 ±.002	.048 ±.003
NAN-87	7/8	.919	.042	.046 +.003 +.000	.875	.919 ±.003	.810	.934 +.031 +.000	.042 ±.002	.062 ±.003
NAN-100	1	1.052	.042	.046 +.003 +.000	1.000	1.052 ±.003	.914	1.070 +.031 +.000	.042 ±.002	.078 ±.003
NAN-112	1-1/8	1.181	.05	.056 +.003 +.000	1.125	1.181 ±.005	1.016	1.202 +.031 +.000	.050 ±.002	.093 ±.003
NAN-125	1-1/4	1.314	.05	.056 +.003 +.000	1.250	1.314 ±.005	1.119	1.337 +.031 +.000	.050 ±.002	.109 ±.003
NAN-137	1-3/8	1.447	.05	.056 +.003 +.000	1.375	1.447 ±.005	1.254	1.472 +.031 +.000	.050 ±.002	.109 ±.003
NAN-150	1-1/2	1.576	.05	.056 +.003 +.000	1.500	1.576 ±.005	1.357	1.607 +.031 +.000	.050 ±.002	.125 ±.005
NAN-156	1-9/16	1.642	.062	.068 +.004 +.000	1.562	1.642 ±.005	1.418	1.668 +.046 +.000	.062 ±.002	.125 ±.005

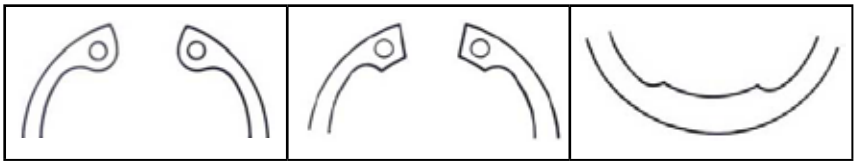
EATON XAN SERIES EXTERNAL RETAINER RINGS



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION
XAN-50	.474	1/2	.035	.039 +.003 +.000	.500	.474 ±.002	.464 +.000 -.025	.560	.035 ±.002	.048 ±.003
XAN-62	.597	5/8	.035	.039 +.003 +.000	.625	.597 ±.002	.586 +.000 -.025	.710	.035 ±.002	.062 ±.003
XAN-75	.716	3/4	.042	.046 +.003 +.000	.750	.716 ±.002	.703 +.000 -.025	.827	.042 ±.002	.062 ±.003
XAN-87	.835	7/8	.042	.046 +.003 +.000	.875	.835 ±.003	.820 +.000 -.031	.976	.042 ±.002	.078 ±.003
XAN-100	.956	1	.042	.046 +.003 +.000	1.000	.956 ±.003	.941 +.000 -.031	1.127	.042 ±.002	.093 ±.003
XAN-112	1.075	1-1/8	.05	.056 +.004 +.000	1.125	1.075 ±.003	1.060 +.000 -.031	1.246	.050 ±.002	.093 ±.003
XAN-125	1.194	1-1/4	.05	.056 +.004 +.000	1.250	1.194 ±.004	1.179 +.000 -.031	1.365	.050 ±.002	.093 ±.003
XAN-137	1.309	1-3/8	.05	.056 +.004 +.000	1.375	1.309 ±.004	1.291 +.000 -.031	1.509	.050 ±.002	.109 ±.003
XAN-150	1.43	1-1/2	.05	.056 +.004 +.000	1.500	1.430 ±.004	1.408 +.000 -.031	1.626	.050 ±.002	.109 ±.003
XAN-275	2.624	2-3/4	.093	.103 +.005 +.000	2.750	2.624 ±.006	2.594 +.000 -.062	2.968	.093 ±.002	.187 ±.005
XAN-325	3.1	3-1/4	.093	.103 +.005 +.000	3.250	3.100 ±.006	3.070 +.000 -.062	3.570	.093 ±.002	.250 ±.005
XAN-375	3.576	3-3/4	.109	.120 +.005 +.000	3.750	3.576 ±.006	3.541 +.000 -.078	4.041	.109 ±.002	.250 ±.005

INTERNAL RETAINER RINGS (TRU-ARC TYPE)





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS
300-025	1/4	.268	.015	.020 +.002 +.000	.250	.268 ±.001	.280 +.010 -.005	.015 ±.002
300-045	.453	.477	.025	.029 +.003 +.000	.453	.477 ±.002	.498 +.010 -.005	.025 ±.002
300-050	1/2	.53	.035	.039 +.003 +.000	.500	.530 ±.002	.548 +.010 -.005	.035 ±.002
300-062	5/8	.665	.035	.039 +.003 +.000	.625	.665 ±.002	.694 +.010 -.005	.035 ±.002
300-075	3/4	.796	.035	.039 +.003 +.000	.750	.796 ±.002	.831 +.010 -.005	.035 ±.002
300-087	7/8	.931	.042	.046 +.003 +.000	.875	.931 ±.003	.971 +.015 -.010	.042 ±.002
300-090	.901	.959	.042	.046 +.003 +.000	.901	.959 ±.003	1.000 +.015 -.010	.042 ±.002
300-093	.938	1	.042	.046 +.003 +.000	.938	1.000 ±.003	1.041 +.015 -.010	.042 ±.002
300-100	1	1.066	.042	.046 +.003 +.000	1.000	1.066 ±.003	1.111 +.015 -.010	.042 ±.002
300-102	1.023	1.091	.042	.046 +.003 +.000	1.023	1.091 ±.003	1.136 +.015 -.010	.042 ±.002
300-106	1.062	1.13	.05	.056 +.004 +.000	1.062	1.130 ±.004	1.180 +.025 -.020	.050 ±.002
300-112	1-1/8	1.197	.05	.056 +.004 +.000	1.125	1.197 ±.004	1.249 +.025 -.020	.050 ±.002
300-118	1.188	1.262	.05	.056 +.004 +.000	1.188	1.262 ±.004	1.319 +.025 -.020	.050 ±.002
300-125	1-1/4	1.33	.05	.056 +.004 +.000	1.250	1.330 ±.004	1.388 +.025 -.020	.050 ±.002
300-137	1-3/8	1.461	.05	.056 +.004 +.000	1.375	1.461 ±.004	1.526 +.025 -.020	.050 ±.002
300-143	1.438	1.528	.05	.056 +.004 +.000	1.438	1.528 ±.004	1.596 +.025 -.020	.050 ±.002
300-150	1-1/2	1.594	.05	.056 +.004 +.000	1.500	1.594 ±.004	1.660 +.025 -.020	.050 ±.002
300-156	1.562	1.658	.062	.068 +.004 +.000	1.562	1.658 ±.005	1.734 +.035 -.025	.062 ±.003
300-162	1-5/8	1.725	.062	.068 +.004 +.000	1.625	1.725 ±.005	1.804 +.035 -.025	.062 ±.003
300-165	1.653	1.755	.062	.068 +.004 +.000	1.653	1.755 ±.005	1.835 +.035 -.025	.062 ±.003
300-168	1.688	1.792	.062	.068 +.004 +.000	1.688	1.792 ±.005	1.874 +.035 -.025	.062 ±.003
300-175	1-3/4	1.858	.062	.068 +.004 +.000	1.750	1.858 ±.005	1.942 +.035 -.025	.062 ±.003
300-187	1-7/8	1.989	.062	.068 +.004 +.000	1.875	1.989 ±.005	2.072 +.035 -.025	.062 ±.003
300-193	1.938	2.056	.062	.068 +.004 +.000	1.938	2.056 ±.005	2.141 +.035 -.025	.062 ±.003
300-200	2	2.122	.062	.068 +.004 +.000	2.000	2.122 ±.005	2.210 +.035 -.025	.062 ±.003
300-206	2.062	2.186	.078	.086 +.005 +.000	2.062	2.186 ±.006	2.280 +.040 -.030	.078 ±.003
300-212	2-1/8	2.251	.078	.086 +.005 +.000	2.125	2.251 ±.006	2.350 +.040 -.030	.078 ±.003
300-225	2-1/4	2.382	.078	.086 +.005 +.000	2.250	2.382 ±.006	2.490 +.040 -.030	.078 ±.003

INTERNAL RETAINER RINGS (TRU-ARC TYPE)

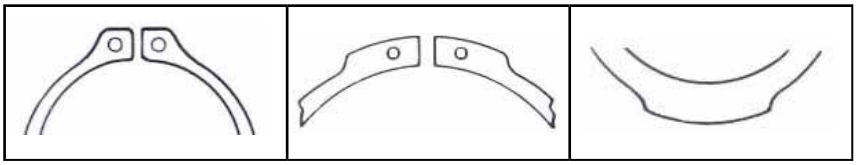
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS
300-231	2.312	2.45	.078	.086 +.005 +.000	2.312	2.450 ±.006	2.535 +.040 -.030	.078 ±.003
300-237	2-3/8	2.517	.078	.086 +.005 +.000	2.375	2.517 ±.006	2.630 +.040 -.030	.078 ±.003
300-244	2.44	2.584	.078	.086 +.005 +.000	2.440	2.584 ±.006	2.702 +.040 -.030	.078 ±.003
300-250	2-1/2	2.648	.078	.086 +.005 +.000	2.500	2.648 ±.006	2.775 +.040 -.030	.078 ±.003
300-256	2.562	2.714	.093	.103 +.005 +.000	2.562	2.714 ±.006	2.844 +.040 -.030	.093 ±.003
300-262	2-5/8	2.781	.093	.103 +.005 +.000	2.625	2.781 ±.006	2.910 +.040 -.030	.093 ±.003
300-275	2-3/4	2.914	.093	.103 +.005 +.000	2.750	2.914 ±.006	3.050 +.040 -.030	.093 ±.003
300-281	2.835	2.98	.093	.103 +.005 +.000	2.835	2.980 ±.006	3.121 +.040 -.030	.093 ±.003
300-287	2-7/8	3.051	.093	.103 +.005 +.000	2.875	3.051 ±.006	3.191 +.040 -.030	.093 ±.003
300-300	3	3.182	.093	.103 +.005 +.000	3.000	3.182 ±.006	3.325 +.040 -.030	.093 ±.003
300-306	3.062	3.248	.109	.120 +.005 +.000	3.062	3.248 ±.006	3.418 ±.055	.109 ±.003
300-312	3-1/8	3.315	.109	.120 +.005 +.000	3.125	3.315 ±.006	3.488 ±.055	.109 ±.003
300-315	3.149	3.348	.109	.120 +.005 +.000	3.149	3.348 ±.006	3.523 ±.055	.109 ±.003
300-325	3-1/4	3.446	.109	.120 +.005 +.000	3.250	3.446 ±.006	3.623 ±.055	.109 ±.003
300-350	3-1/2	3.71	.109	.120 +.005 +.000	3.500	3.710 ±.006	3.890 ±.055	.109 ±.003
300-354	3.562	3.755	.109	.120 +.005 +.000	3.562	3.755 ±.006	3.936 ±.055	.109 ±.003
300-362	3-5/8	3.841	.109	.120 +.005 +.000	3.625	3.841 ±.006	4.024 ±.055	.109 ±.003
300-375	3-3/4	3.974	.109	.120 +.005 +.000	3.750	3.974 ±.006	4.157 ±.065	.109 ±.003
300-387	3-7/8	4.107	.109	.120 +.005 +.000	3.875	4.107 ±.006	4.291 ±.065	.109 ±.003
300-393	3.938	4.174	.109	.120 +.005 +.000	3.938	4.174 ±.006	4.358 ±.065	.109 ±.003
300-400	4	4.24	.109	.120 +.005 +.000	4.000	4.240 ±.006	4.424 ±.065	.109 ±.003
300-412	4-1/8	4.365	.109	.120 +.005 +.000	4.125	4.365 ±.006	4.558 ±.065	.109 ±.003
300-425	4-1/4	4.49	.109	.120 +.005 +.000	4.250	4.490 ±.006	4.691 ±.065	.109 ±.003
300-433	4.331	4.571	.109	.120 +.005 +.000	4.331	4.571 ±.006	4.756 ±.065	.109 ±.003
300-450	4-1/2	4.74	.109	.120 +.005 +.000	4.500	4.740 ±.006	4.940 ±.065	.109 ±.003
300-462	4-5/8	4.865	.109	.120 +.005 +.000	4.625	4.865 ±.006	5.076 ±.065	.109 ±.003
300-475	4-3/4	4.995	.109	.120 +.005 +.000	4.750	4.995 ±.006	5.213 ±.065	.109 ±.003
300-500	5	5.26	.109	.120 +.005 +.000	5.000	5.260 ±.006	5.485 ±.065	.109 ±.003
300-525	5-1/4	5.52	1/8	.139 +.005 +.000	5.250	5.520 ±.007	5.770 ±.065	.125 ±.004
300-537	5-3/8	5.65	1/8	.139 +.006 +.000	5.375	5.650 ±.007	5.910 ±.065	.125 ±.004
300-550	5-1/2	5.77	1/8	.139 +.006 +.000	5.500	5.770 ±.007	6.066 ±.065	.125 ±.004
300-600	6	6.27	1/8	.139 +.006 +.000	6.000	6.270 ±.007	6.620 ±.065	.125 ±.004
300-625	6-1/4	6.53	.156	.174 +.008 +.000	6.250	6.530 ±.008	6.895 ±.080	.156 ±.005

INTERNAL RETAINER RINGS (TRU-ARC TYPE)

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS
300-650	6-1/2	6.79	.156	.174 +.008 +.000	6.500	6.790 ±.008	7.170 ±.080	.156 ±.005
300-700	7	7.315	.156	.174 +.008 +.000	7.000	7.315 ±.008	7.720 ±.080	.156 ±.005

EXTERNAL RETAINER RINGS (TRU-ARC TYPE)





HD= HEAVY DUTY RING

Part Number	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	th THICKNESS
310-025	.029 +.003 +.000	.250	.230 ±.002	.225 -.111 -.117	.025 ±.001
310-028	.029 +.003 +.000	.281	.261 ±.002	.256 +.002 -.005	.025 ±.002
310-037	.029 +.003 +.000	.375	.352 ±.002	.338 +.002 -.006	.025 ±.002
310-050	.039 +.003 +.000	.500	.468 ±.002	.461 +.002 -.005	.035 ±.002
310-062	.039 +.003 +.000	.625	.588 ±.003	.579 +.005 -.010	.035 ±.002
310-068	.046 +.003 +.000	.688	.646 ±.003	.635 +.005 -.010	.042 ±.002
310-075	.046 +.003 +.000	.750	.704 ±.003	.693 +.005 -.010	.042 ±.002
310-081	.046 +.003 +.000	.812	.762 ±.003	.751 +.005 -.010	.042 ±.002
310-087	.046 +.003 +.000	.875	.821 ±.003	.810 +.005 -.010	.042 ±.002
310-093	.046 +.003 +.000	.938	.882 ±.003	.867 +.005 -.010	.042 ±.002
310-100	.046 +.003 +.000	1.000	.940 ±.003	.925 +.005 -.010	.042 ±.002
310-112	.056 +.004 +.000	1.125	1.059 ±.004	1.041 +.010 -.015	.050 ±.002
310-118	.056 +.004 +.000	1.188	1.118 ±.004	1.098 +.010 -.015	.050 ±.002
310-125	.056 +.004 +.000	1.250	1.176 ±.004	1.156 +.010 -.015	.050 ±.002
310-137	.056 +.004 +.000	1.375	1.291 ±.004	1.272 +.010 -.015	.050 ±.002
310-150	.056 +.004 +.000	1.500	1.406 ±.004	1.387 +.010 -.015	.050 ±.002
310-162	.068 +.004 +.000	1.625	1.529 ±.005	1.503 +.013 -.020	.620 -.555 -.561
310-175HD	.120 +.005 +.000	1.750	1.650 ±.003	1.608 +.013 -.020	.109 ±.003
310-175	.068 +.004 +.000	1.750	1.650 ±.005	1.618 +.013 -.020	.062 ±.003
310-200	.068 +.004 +.000	2.000	1.886 ±.005	1.850 +.013 -.020	.062 ±.003
310-212	.086 +.005 +.000	2.125	2.003 ±.006	1.964 +.015 -.025	.078 ±.003
310-225	.086 +.005 +.000	2.250	2.120 ±.006	2.081 +.015 -.025	.078 ±.003
310-237	.086 +.005 +.000	2.375	2.239 ±.006	2.197 +.015 -.025	.078 ±.003
310-250	.086 +.005 +.000	2.500	2.360 ±.006	2.313 +.015 -.025	.078 ±.003
310-262	.086 +.005 +.000	2.625	2.481 ±.006	2.428 +.020 -.030	.078 ±.003
310-275	.103 +.005 +.000	2.750	2.602 ±.006	2.543 +.020 -.030	.093 ±.003
310-287	.103 +.005 +.000	2.875	2.838 ±.006	2.659 +.020 -.030	.093 ±.003
310-300	.103 +.005 +.000	3.000	2.838 ±.006	2.775 +.020 -.030	.093 ±.003

EXTERNAL RETAINER RINGS (TRU-ARC TYPE)

Part Number	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	th THICKNESS
310-325	.103 +.005 +.000	3.250	3.076 ±.006	3.006 +.020 -.030	.093 ±.003
310-350	.120 +.005 +.000	3.500	3.316 ±.006	3.237 +.020 -.030	.109 ±.003
310-400	.120 +.005 +.000	4.000	3.792 ±.006	3.700 +.020 -.030	.109 ±.003
310-425	.120 +.005 +.000	4.250	4.065 ±.006	3.989 +.020 -.030	.109 ±.003
310-437	.120 +.005 +.000	4.375	4.190 ±.006	4.106 +.020 -.030	.109 ±.003
310-450	.120 +.005 +.000	4.500	4.310 ±.006	4.223 +.020 -.030	.109 ±.003
310-500	.120 +.005 +.000	5.000	4.790 ±.006	4.692 +.020 -.030	.109 ±.003
310-575	.139 +.006 +.000	5.750	5.505 ±.007	5.396 +.020 -.040	.125 ±.004

Retainer Ring Assortment Kits Also Available - See the Kit & Tool Section

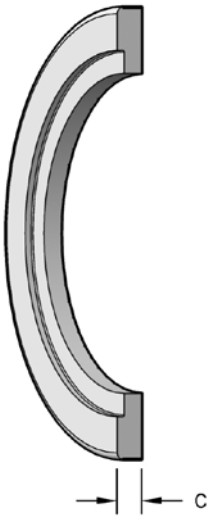
STYLE RSR RETAINER RINGS



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	CROSS SECTION
RSR-031	.28	.35	.035	.280	.350	.035	.035
RSR-052	.519	5/8	.053	.519	.625 ±.005	.053 ±.005	.053 ±.005
RSR-092	.92	1.08	.08	.920	1.080 ±.010	.080 ±.001	.080 ±.001
RSR-105	1.05	1.2	.075	1.050 ±.005	1.200	.075 ±.005	.075 ±.005
RSR-150	1.384	1.51	.063	1.384	1.510 ±.025	.063 ±.001	.063 ±.001
RSR-138	1.39	1.662	.136	1.390 ±.005	1.662	.136 ±.002	.136 ±.002
RSR-152	1.416	1.6	.092	1.416	1.600 ±.010	.092 ±.005	.092 ±.005
RSR-151	1.462	1.58	.059	1.462	1.580 ±.010	.059 ±.005	.059 ±.005
RSR-150A	1.61	1.735	1/16	1.610 ±.025	1.735	.0625	.0625
RSR-175	1.688	1.812	.062	1.688	1.812 ±.005	.062 ±.005	.062 ±.005
RSR-175X090	1.72	1.9	.09	1.720	1.900 ±.010	.090 ±.005	.090 ±.005
RSR-2.012X0.118	1.776	2.012	.118	1.776	2.012	.118	.118
RSR-202	1.92	2.176	.128	1.920 ±.010	2.176	.128 ±.005	.128 ±.005
RSR-201	1.932	2.116	.092	1.932	2.116 +.020 -.005	.092 ±.001	.092 ±.001
RSR-204	1.98	2.12	.07	1.980	2.120	.070	.070
RSR-203	2.03	2.28	1/8	2.030	2.280 ±.010	.125 ±.005	.125 ±.005
RSR-218X078	2.032	2.189	.078	2.032	2.189 ±.005	.078 ±.005	.078 ±.005
RSR-225B	2.05	2-1/4	.1	2.050	2.250 ±.010	.100 ±.005	.100 ±.005
RSR-206	2.06	2.31	1/8	2.063	2.313 ±.010	.125 ±.005	.125 ±.005
RSR-200	2.127	2.275	.074	2.127	2.275 ±.005	.074 ±.005	.074 ±.005
RSR-225A	2.186	2.37	.092	2.186	2.370 ±.010	.092 ±.005	.092 ±.005
RSR-225	2.28	2.53	1/8	2.280	2.530 ±.010	.125 ±.005	.125 ±.005
RSR-2.618X0.118	2.382	2.618	.118	2.382	2.618 ±.022	.118 ±.002	.118 ±.002
RSR-260	2.414	2.6	.093	2.414	2.600 ±.005	.093 ±.005	.093 ±.005
RSR-250	2.466	2.76	.147	2.466	2.760 ±.010	.147 ±.005	.147 ±.005
RSR-256X125	2.52	2.77	1/8	2.520	2.770 ±.010	.125 ±.005	.125 ±.005
RSR-2.830X0.118	2.594	2.83	.118	2.594	2.830	.118	.118
RSR-275	2.686	2.87	.092	2.686	2.870 +.020 -.005	.092 ±.001	.092 ±.001
RSR-300	2.93	3.186	.128	2.930	3.186	.128	.128
RSR-301	2.966	3.26	.147	2.966	3.260 ±.010	.147 ±.005	.147 ±.005
RSR-3.50X.18X.25	3.14	3-1/2	1/4	3.140	3.500 ±.010	.250 ±.010	.180 ±.010
RSR-3.650X0.137	3.641	3.917	.137	3.641	3.917	.137	.137
RSR-422	3.92	4.22	.15	3.920	4.220 ±.010	.150 ±.010	.150 ±.010

STYLE SR U-SEAL RETAINER RINGS

These rings are split for ease of installation and are retained in a groove. Their use is primarily to retain single acting piston seals. Commonly used with UFN style piston seals.

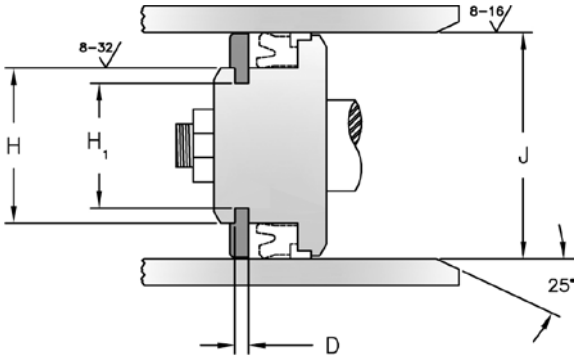


SEAL INFORMATION	
MATERIAL	ACETAL
TEMPERATURE RANGE	-22° TO +212° F

PART NUMBERS

SR - 2.00 X 1.37

Style — Outside Diameter — Shaft Diameter



Part Number	A Nom. ID	B Nom. OD	C_1 OVERALL HEIGHT	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
SR-2.00X1.37	1.211	2	.250 ±.005	.130 +.005 +.000	1.375	1.211 +.000 -.005	2.000
SR-2.37X1.75	1.586	2-3/8	.250 ±.005	.130 +.005 +.000	1.750	1.586 +.000 -.005	2.375
SR-2.50X1.87	1.711	2-1/2	.250 ±.005	.130 +.005 +.000	1.875	1.711 +.000 -.005	2.500
SR-2.62X2.00	1.836	2-5/8	.250 ±.005	.130 +.005 +.000	2.000	1.836 +.000 -.005	2.625
SR-3.00X2.25	2.086	3	.250 ±.005	.130 +.005 +.000	2.250	2.086 +.000 -.005	3.000
SR-3.50X2.75	2.586	3-1/2	.250 ±.005	.130 +.005 +.000	2.750	2.586 +.000 -.005	3.500
SR-3.62X3.00	2.836	3-5/8	.250 ±.005	.130 +.005 +.000	3.000	2.836 +.000 -.005	3.625
SR-4.00X3.25	3.086	4	.275 ±.005	.190 +.005 +.000	3.250	3.086 +.000 -.005	4.000
SR-4.12X3.50	3.336	4-1/8	.250 ±.005	.130 +.005 +.000	3.500	3.336 +.000 -.005	4.125

Seal color may vary.

METRIC / INCH CONVERSION TABLE

FRACTIONS, DECIMALS AND MILLIMETERS

Inches		
Fractions	Decimals	M M
—	.0004	.01
—	.004	.10
—	.01	.25
1/64	.0156	.397
—	.0197	.50
—	.0295	.75
1/32	.03125	.794
—	.0394	1.0
3/64	.0469	1.191
—	.059	1.5
1/16	.062	1.588
5/64	.0781	1.984
—	.0787	2.0
3/32	.094	2.381
—	.0984	2.5
7/64	.109	2.778
—	.1181	3.0
1/8	.125	3.175
—	.1378	3.5
9/64	.141	3.572
5/32	.156	3.969
—	.1575	4.0
11/64	.172	4.366
—	.177	4.5
3/16	.1875	4.763
—	.1969	5.0
13/64	.203	5.159
—	.2165	5.5
7/32	.219	5.556
15/64	.234	5.953
—	.2362	6.0
1/4	.250	6.350
—	.2559	6.5
17/64	.2656	6.747
—	.2756	7.0
9/32	.281	7.144
—	.2953	7.5
19/64	.297	7.541
5/16	.312	7.938
—	.315	8.0
21/64	.328	8.334
—	.335	8.5
11/32	.344	8.731
—	.3543	9.0
23/64	.359	9.128
—	.374	9.5
3/8	.375	9.525
25/64	.391	9.922
—	.3937	10.0
13/32	.406	10.319
—	.413	10.5
27/64	.422	10.716
—	.4331	11.0
7/16	.438	11.113
29/64	.453	11.509
15/32	.469	11.906
—	.4724	12.0
31/64	.484	12.303
—	.492	12.5
1/2	.500	12.700
—	.5118	13.0
33/64	.5156	13.097
17/32	.531	13.494
35/64	.547	13.891
—	.5512	14.0
9/16	.563	14.288
—	.571	14.5
37/64	.578	14.684
—	.5906	15.0
19/32	.594	15.081
39/64	.609	15.478
5/8	.625	15.875
—	.6299	16.0
41/64	.6406	16.272
—	.6496	16.5
21/32	.658	16.669
—	.6693	17.0
43/64	.672	17.066
11/16	.6875	17.463
45/64	.703	17.859
—	.7087	18.0
23/32	.719	18.256
—	.7283	18.5
47/64	.734	18.653
—	.7480	19.0
3/4	.750	19.050
49/64	.7656	19.447

Inches		
Fractions	Decimals	M M
25/32	.781	19.844
—	..7874	20.0
51/64	.797	20.241
13/16	.8125	20.638
—	.8268	21.0
53/64	.828	21.034
27/32	.844	21.431
55/64	.859	21.828
—	.8661	22.0
7/8	.875	22.225
57/64	.8906	22.622
—	.9055	23.0
29/32	.9062	23.019
59/64	.922	23.416
15/16	.9375	23.813
—	.9449	24.0
61/64	.953	24.209
31/32	.969	24.606
—	.9843	25.0
63/64	.9844	25.003
1	1.000	25.400
—	1.0236	26.0
1-1/32	1.0312	26.194
1-1/16	1.062	26.988
—	1.063	27.0
1-3/32	1.094	27.781
—	1.1024	28.0
1-1/8	1.125	28.575
—	1.1417	29.0
1-5/32	1.156	29.369
—	1.1811	30.0
1-3/16	1.1875	30.163
1-7/32	1.219	30.956
—	1.2205	31.0
1-1/4	1.250	31.750
—	1.2598	32.0
1-9/32	1.281	32.544
—	1.2992	33.0
1-5/16	1.312	33.338
—	1.3386	34.0
1-11/32	1.344	34.131
1-3/8	1.375	34.925
—	1.3779	35.0
1-13/32	1.406	35.719
—	1.4173	36.0
1-7/16	1.438	36.513
—	1.4567	37.0
1-15/32	1.469	37.306
—	1.4961	38.0
1-1/2	1.500	38.100
1-17/32	1.531	38.894
—	1.5354	39.0
1-9/16	1.562	39.688
—	1.5748	40.0
1-19/32	1.594	40.481
—	1.6142	41.0
1-5/8	1.625	41.275
—	1.6535	42.0
1-21/32	1.6562	42.069
1-11/16	1.6875	42.863
—	1.6929	43.0
1-23/32	1.719	43.656
—	1.7323	44.0
1-3/4	1.750	44.450
—	1.7717	45.0
1-25/32	1.781	45.244
—	1.8110	46.0
1-13/16	1.8125	46.038
1-27/32	1.844	46.831
—	1.8504	47.0
1-7/8	1.875	47.625
—	1.8898	48.0
1-29/32	1.9062	48.419
—	1.9291	49.0
1-15/16	1.9375	49.213
—	1.9685	50.0
1-31/32	1.969	50.006
2	2.000	50.800
—	2.0079	51.0
2-1/32	2.03125	51.594
—	2.0472	52.0
2-1/6	2.062	52.388
—	2.0866	53.0
2-3/32	2.094	53.181
2-1/8	2.125	53.975
—	2.126	54.0
2-5/32	2.156	54.769

Inches		
Fractions	Decimals	M M
—	2.165	55.0
2-3/16	2.1875	55.563
—	2.2047	56.0
2-7/32	2.219	56.356
—	2.244	57.0
2-1/4	2.250	57.150
2-9/32	2.281	57.944
—	2.2835	58.0
2-5/16	2.312	58.738
—	2.3228	59.0
2-11/32	2.344	59.531
—	2.3622	60.0
2-3/8	2.375	60.325
—	2.4016	61.0
2-13/32	2.406	61.119
2-7/16	2.438	61.913
—	2.4409	62.0
2-15/32	2.469	62.706
—	2.4803	63.0
2-1/2	2.500	63.500
—	2.5197	64.0
2-17/32	2.531	64.294
—	2.559	65.0
2-9/16	2.562	65.088
2-19/32	2.594	65.881
—	2.5984	66.0
2-5/8	2.625	66.675
—	2.638	67.0
2-21/32	2.656	67.469
—	2.6772	68.0
2-11/16	2.6875	68.263
—	2.7165	69.0
2-23/32	2.719	69.056
2-3/4	2.750	69.850
—	2.7559	70.0
2-25/32	2.781	70.6439
—	2.7953	71.0
2-13/16	2.8125	71.4376
—	2.8346	72.0
2-27/32	2.844	72.2314
—	2.8740	73.0
2-7/8	2.875	73.025
2-29/32	2.9062	73.819
—	2.9134	74.0
2-15/16	2.9375	74.613
—	2.9527	75.0
2-31/32	2.969	75.406
—	2.9921	76.0
3	3.000	76.200
3-1/32	3.0312	76.994
—	3.0315	77.0
3-1/16	3.062	77.788
—	3.0709	78.0
3-3/32	3.094	78.581
—	3.1102	79.0
3-1/8	3.125	79.581
—	3.1496	80.0
3-5/32	3.156	80.169
3-3/16	3.1875	80.963
—	3.1890	81.0
3-7/32	3.219	81.756
—	3.2283	82.0
3-1/4	3.250	82.550
—	3.2677	83.0
3-9/32	3.281	83.344
—	3.3071	84.0
3-5/16	3.312	84.1377
3-11/32	3.344	84.9314
—	3.3464	85.0
3-3/8	3.375	85.725
—	3.3858	86.0
3-13/32	3.406	86.519
—	3.4252	87.0
3-7/16	3.438	87.313
—	3.4648	88.0
3-15/32	3.469	88.108
3-1/2	3.500	88.900
—	3.5039	89.0
3-17/32	3.531	89.694
—	3.5433	90.0
3-9/16	3.562	90.4877
—	3.5827	91.0
3-19/32	3.594	91.281
—	3.622	92.0
3-5/8	3.625	92.075
3-21/32	3.656	92.869
—	3.6614	93.0

Inches		
Fractions	Decimals	M M
3-11/16	3.6875	93.663
—	3.7008	94.0
3-23/32	3.719	94.456
—	3.7401	95.0
3-3/4	3.750	95.250
—	3.7795	96.0
3-25/32	3.781	96.044
3-13/16	3.8125	96.838
—	3.8189	97.0
3-27/32	3.844	97.631
—	3.8583	98.0
3-7/8	3.875	98.425
—	3.8976	99.0
3-29/32	3.9062	99.219
—	3.9370	100.0
3-15/16	3.9375	100.013
3-31/32	3.969	100.806
—	3.9764	101.0
4	4.000	101.600
4-1/16	4.062	103.188
4-1/8	4.125	104.775
—	4.1338	105.0
4-3/16	4.1875	106.363
4-1/4	4.250	107.950
4-5/16	4.312	109.538
—	4.3307	110.0
4-3/8	4.375	111.125
4-7/16	4.438	112.713
4-1/2	4.500	114.300
—	4.5275	115.0
4-9/16	4.562	115.888
4-5/8	4.625	117.475
4-11/16	4.6875	119.063
—	4.7244	120.0
4-3/4	4.750	120.650
4-13/16	4.8125	122.238
4-7/8	4.875	123.825
—	4.9212	125.0
4-15/16	4.9375	125.413
5	5.000	127.000
—	5.1181	130.0
5-1/4	5.250	133.350
5-1/2	5.500	139.700
—	5.5118	140.0
5-3/4	5.750	146.050
—	5.9055	150.0
6	6.000	152.400
6-1/4	6.250	158.750
—	6.2992	160.0
6-1/2	6.500	165.100
—	6.6929	170.0
6-3/4	6.750	171.450
7	7.000	177.800
—	7.0866	180.0
—	7.4803	190.0
7-1/2	7.500	190.500
—	7.8740	200.0
8	8.000	203.200
—	8.2677	210.0
8-1/2	8.500	215.900
—	8.6614	220.0
9	9.000	228.600
—	9.0551	230.0
—	9.4488	240.0
9-1/2	9.500	241.300
—	9.8425	250.0
10	10.000	254.00
—	10.2362	260.0
—	10.6299	270.0
11	11.000	279.40
—	11.0236	280.0
—	11.4173	290.0
—	11.8110	300.0
12	12.000	304.80
13	13.000	330.20
—	13.7795	350.0
14	14.000	355.60
15	15.000	381.00
—	15.7480	400.0
16	16.000	406.40
17	17.000	431.80
—	17.7165	450.0
18	18.000	457.20
19	19.000	482.60
—	19.6850	500.0
20	20.000	508.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Metric Seals

Contents

	Page
Rod U-Seals	440 - 477
Rod U-Seal w/Back-Up Rings	478 - 490
Rod Seals	491 - 497
Piston U-Seals	498 - 508
U-Seals	509 - 536
Cushion Seals	537 - 541
Buffer Seals	542 - 558
Swivel Seals	559
Vee Packing	560 - 561
Unitized Pistons	562 - 563
Piston Seal Assemblies	564 - 611
Piston Rings	612 - 613
Wear Rings	614 - 638
Wiper Rings	639 - 684
Link Pin and Metal Clad Dust Seals	684 - 689
Oil Seals	690 - 694
Shaft Seals	695
O-Ring Size Chart for Metric Seals	696 - 697
O-Rings	698 - 719
Head Seals	720 - 725
Back-Up Rings	726 - 730
Retainer Rings	731 - 735

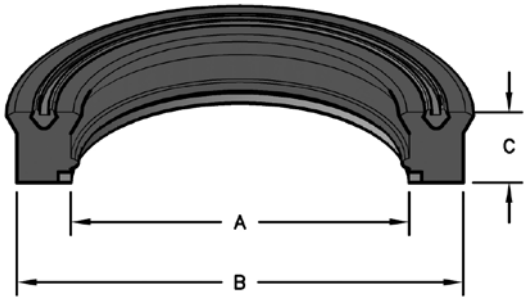
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

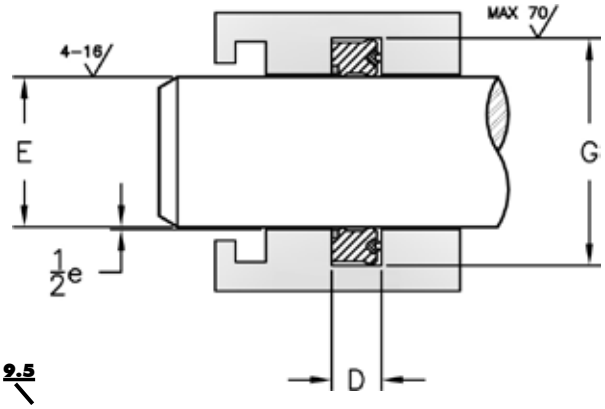
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRTUB SUPER-DUTY ROD U-SEALS

Our premium single-acting polyurethane rod seal incorporates an NBR energizer to seal at low pressures. The twin lip design provides stability and friction-reducing lube retention for dry rod sealing, and the included hard acetal backup ring resists extrusion. MRTUB is capable of pressures up to 10,000 psi in approved applications.
E= European Urethane.



*Energizer may vary



PART NUMBERS

MRTUB - 35 x 50 x 9.5

Type of Seal | Rod Diameter | Groove Diameter | Height

SEAL INFORMATION					
MATERIAL	94A URETHANE SEAL RUBBER ENERGIZER POLYACETAL ANTI-EXTRUSION RING				
MAXIMUM OPERATING CONDITIONS					
MAXIMUM SPEED	PRESSURE RANGE		TEMPERATURE RANGE		
3 ft/sec	0 - 6,000 psi		-50° to +230° F		
MAXIMUM EXTRUSION GAP					
PRESSURE	2,400 psi	3,750 psi	6,000 psi	7,500 psi	10,000 psi
MAX. DIAM. GAP	.040”	.032”	.024”	.016”	.010”

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTUB-30X40X7.3	30	40	7.3	8.00 +0.25 +0.00	30.00 -0.020 -0.072	40.00 ±0.08
MRTUB-30X40X10	30	40	10	11.00 +0.25 +0.00	30.00 -0.020 -0.072	40.00 ±0.08
MRTUB-35X45X10	35	45	10	11.00 +0.25 +0.00	35.00 -0.025 -0.087	45.00 ±0.08
MRTUB-35X50X9.5	35	50	9.5	10.50 +0.25 +0.00	35.00 -0.025 -0.087	50.00 ±0.08
MRTUB-35X50X9.5-E	35	50	9.5	10.50 +0.20 +0.00	35.00 -0.025 -0.064	50.00 +0.16 +0.00
MRTUB-36X46X7.3	36	46	7.3	8.00 +0.25 +0.00	36.00 -0.025 -0.087	46.00 ±0.08
MRTUB-40X50X7.3	40	50	7.3	8.00 +0.25 +0.00	40.00 -0.025 -0.087	50.00 ±0.08
MRTUB-40X50X10	40	50	10	11.00 +0.25 +0.00	40.00 -0.025 -0.087	50.00 ±0.08
MRTUB-45X55X7.3	45	55	7.3	8.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095
MRTUB-45X55X10	45	55	10	11.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095

STYLE MRTUB SUPER-DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTUB-45X60X11.4	45	60	11.4	12.50 +0.25 +0.00	45.00 -0.025 -0.087	60.00 ±0.095
MRTUB-45X60X11.4-E	45	60	11.4	12.40 +0.20 +0.00	45.00 -0.025 -0.064	60.00 +0.19 +0.00
MRTUB-50X60X7.3	50	60	7.3	8.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTUB-50X60X10	50	60	10	11.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTUB-50X65X10	50	65	10	11.00 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTUB-50X65X11.4	50	65	11.4	12.50 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTUB-55X65X10	55	65	10	11.00 +0.25 +0.00	55.00 -0.030 -0.104	65.00 ±0.095
MRTUB-55X70X9	55	70	9	10.00 +0.25 +0.00	55.00 -0.030 -0.104	70.00 ±0.095
MRTUB-55X70X11.4	55	70	11.4	12.50 +0.25 +0.00	55.00 -0.030 -0.104	70.00 ±0.095
MRTUB-56X71X11.4	56	71	11.4	12.50 +0.25 +0.00	56.00 -0.030 -0.104	71.00 ±0.095
MRTUB-56X71X12.5KI	56	71	12.5	12.50 +0.20 +0.00	56.00 -0.030 -0.076	71.00 +0.19 +0.00
MRTUB-60X73X13	60	73	13	14.00 +0.25 +0.00	60.00 -0.030 -0.104	73.00 ±0.095
MRTUB-60X75X11.4	60	75	11.4	12.50 +0.25 +0.00	60.00 -0.030 -0.104	75.00 ±0.095
MRTUB-63X78X11.4	63	78	11.4	12.50 +0.25 +0.00	63.00 -0.030 -0.104	78.00 ±0.095
MRTUB-63X83X11.8	63	83	11.8	13.00 +0.25 +0.00	63.00 -0.030 -0.104	83.00 ±0.11
MRTUB-65X75X10	65	75	10	11.00 +0.25 +0.00	65.00 -0.030 -0.104	75.00 ±0.095
MRTUB-65X80X10	65	80	10	11.00 +0.25 +0.00	65.00 -0.030 -0.104	80.00 ±0.095
MRTUB-65X80X11.4	65	80	11.4	12.50 +0.25 +0.00	65.00 -0.030 -0.104	80.00 ±0.095
MRTUB-70X83X13	70	83	13	14.00 +0.25 +0.00	70.00 -0.030 -0.104	83.00 ±0.11
MRTUB-70X85X11.4	70	85	11.4	12.50 +0.25 +0.00	70.00 -0.030 -0.104	85.00 ±0.11
MRTUB-75X88X13	75	88	13	14.00 +0.25 +0.00	75.00 -0.030 -0.104	88.00 ±0.11
MRTUB-80X95X11.4	80	95	11.4	12.50 +0.25 +0.00	80.00 -0.030 -0.104	95.00 ±0.11
MRTUB-80X95X13	80	95	13	14.00 +0.25 +0.00	80.00 -0.030 -0.104	95.00 ±0.11
MRTUB-85X100X11.8	85	100	11.8	13.00 +0.25 +0.00	85.00 -0.036 -0.123	100.00 ±0.11
MRTUB-85X100X13	85	100	13	14.00 +0.25 +0.00	85.00 -0.036 -0.123	100.00 ±0.11
MRTUB-90X105X11.4	90	105	11.4	12.50 +0.25 +0.00	90.00 -0.036 -0.123	105.00 ±0.11
MRTUB-90X105X13	90	105	13	14.00 +0.25 +0.00	90.00 -0.036 -0.123	105.00 ±0.11
MRTUB-95X110X13	95	110	13	14.00 +0.25 +0.00	95.00 -0.036 -0.123	110.00 ±0.11
MRTUB-100X115X11	100	115	11	12.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRTUB-100X115X13	100	115	13	14.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRTUB-100X120X14.6	100	120	14.6	16.00 +0.25 +0.00	100.00 -0.036 -0.123	120.00 ±0.11
MRTUB-110X130X13	110	130	13	14.00 +0.25 +0.00	110.00 -0.036 -0.123	130.00 ±0.125
MRTUB-110X130X14.6	110	130	14.6	16.00 +0.25 +0.00	110.00 -0.036 -0.123	130.00 ±0.125

STYLE MRTUB SUPER-DUTY ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTUB-115X135X14.6	115	135	14.6	16.00 +0.25 +0.00	115.00 -0.036 -0.123	135.00 ±0.125
MRTUB-120X135X14.6	120	135	14.6	16.00 +0.25 +0.00	120.00 -0.036 -0.123	135.00 ±0.125
MRTUB-120X140X13	120	140	13	14.00 +0.25 +0.00	120.00 -0.036 -0.123	140.00 ±0.125
MRTUB-120X140X14.6	120	140	14.6	16.00 +0.25 +0.00	120.00 -0.036 -0.123	140.00 ±0.125
MRTUB-125X145X14.6	125	145	14.6	16.00 +0.25 +0.00	125.00 -0.043 -0.143	145.00 ±0.125
MRTUB-130X150X14.6	130	150	14.6	16.00 +0.25 +0.00	130.00 -0.043 -0.143	150.00 ±0.125
MRTUB-140X160X13	140	160	13	14.00 +0.25 +0.00	140.00 -0.043 -0.143	160.00 ±0.125
MRTUB-140X160X14.6	140	160	14.6	16.00 +0.25 +0.00	140.00 -0.043 -0.143	160.00 ±0.125
MRTUB-150X170X14.6	150	170	14.6	16.00 +0.25 +0.00	150.00 -0.043 -0.143	170.00 ±0.125
MRTUB-160X180X14.6	160	180	14.6	16.00 +0.25 +0.00	160.00 -0.043 -0.143	180.00 ±0.125
MRTUB-180X200X14.6	180	200	14.6	16.00 +0.25 +0.00	180.00 -0.043 -0.143	200.00 ±0.145

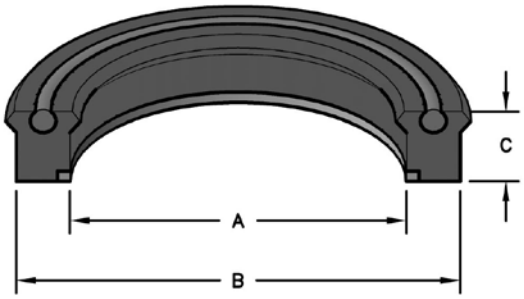
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

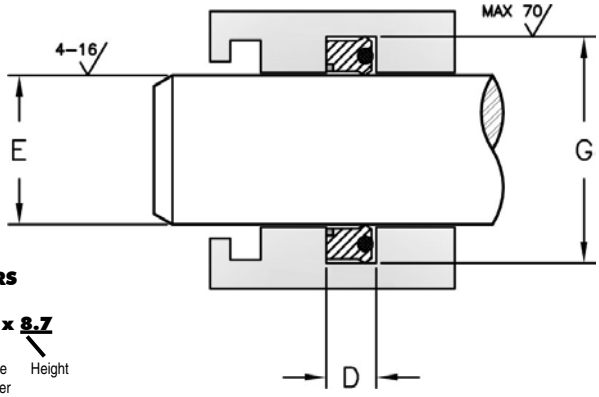
OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRUBL ROD U-SEALS

Designed for longwall mining applications, the MRUBL style consists of a urethane seal, nitrile o-ring energizer, and polyacetal anti-extrusion ring. The energizer ensures sealing under low pressure and cushions the seal against shock loads. The anti-extrusion ring resists extrusion under side load and extreme pressure peaks. Sealing materials are suitable for mineral oils and HFA (High Water Content) fluids.





PART NUMBERS

MRUBL - 40 x 52 x 8.7

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION

MATERIAL	94A URETHANE SEAL RUBBER ENERGIZER POLYACETAL ANTI-EXTRUSION RING

MAXIMUM OPERATING CONDITIONS

MAXIMUM SPEED	PRESSURE RANGE	TEMPERATURE RANGE
3 ft/sec	0 - 6,000 psi	-50° to +230° F / +32 to +140° F (HFA)

MAXIMUM EXTRUSION GAP

PRESSURE	2,400 psi	3,750 psi	6,000 psi	7,500 psi	10,000 psi
MAX. DIAM. GAP	.040”	.032”	.024”	.016”	.010”

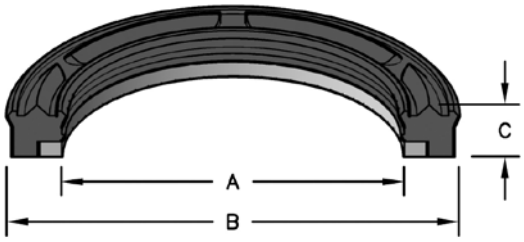
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUBL-40X52X8.7	40	52	8.7	9.60 +0.25 +0.00	40.00 -0.025 -0.087	52.00 ±0.095
MRUBL-63X75X8.6	63	75	8.6	9.60 +0.25 +0.00	63.00 -0.030 -0.104	75.00 ±0.095
MRUBL-70X86X11	70	86	11	12.00 +0.25 +0.00	70.00 -0.030 -0.104	86.00 ±0.11
MRUBL-100X115X14.5	100	115	14.5	16.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRUBL-105X120X11.8	105	120	11.8	13.00 +0.25 +0.00	105.00 -0.036 -0.123	120.00 ±0.11
MRUBL-110X125X14.5	110	125	14.5	16.00 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MRUBL-110X125X14.7	110	125	14.7	16.25 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MRUBL-115X130X14.5	115	130	14.5	16.00 +0.25 +0.00	115.00 -0.036 -0.123	130.00 ±0.125
MRUBL-120X135X12.5	120	135	12.5	14.00 +0.25 +0.00	120.00 -0.036 -0.123	135.00 ±0.125
MRUBL-150X165X14.5	150	165	14.5	16.00 +0.25 +0.00	150.00 -0.043 -0.143	165.00 ±0.125

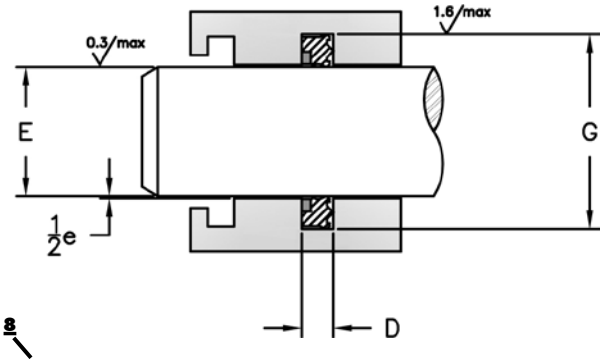
STYLE MRUBL ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUBL-170X195X20	170	195	20	22.00 +0.25 +0.00	170.00 -0.043 -0.143	195.00 ±0.145
MRUBL-180X195X14.5	180	195	14.5	16.00 +0.25 +0.00	180.00 -0.043 -0.143	195.00 ±0.145
MRUBL-190X210X16.4	190	210	16.4	18.00 +0.25 +0.00	190.00 -0.050 -0.165	210.00 ±0.145
MRUBL-200X220X14.5	200	220	14.5	16.00 +0.25 +0.00	200.00 -0.050 -0.165	220.00 ±0.145
MRUBL-210X230X16.4	210	230	16.4	18.00 +0.25 +0.00	210.00 -0.050 -0.165	230.00 ±0.145
MRUBL-230X250X16.4	230	250	16.4	18.00 +0.25 +0.00	230.00 -0.050 -0.165	250.00 ±0.145
MRUBL-250X270X14.5	250	270	14.5	16.00 +0.25 +0.00	250.00 -0.050 -0.165	270.00 ±0.16
MRUBL-260X280X16.4	260	280	16.4	18.00 +0.25 +0.00	260.00 -0.056 -0.186	280.00 ±0.16
MRUBL-265X285X14.5	265	285	14.5	16.00 +0.25 +0.00	265.00 -0.056 -0.186	285.00 ±0.16
MRUBL-265X285X16.4	265	285	16.4	18.00 +0.25 +0.00	265.00 -0.056 -0.186	285.00 ±0.16
MRUBL-285X310X18	285	310	18	20.00 +0.25 +0.00	285.00 -0.056 -0.186	310.00 ±0.16
MRUBL-300X320X16.4	300	320	16.4	18.00 +0.25 +0.00	300.00 -0.056 -0.186	320.00 ±0.18
MRUBL-350X370X16.4	350	370	16.4	18.00 +0.25 +0.00	350.00 -0.062 -0.202	370.00 ±0.18
MRUBL-370X395X18	370	395	18	20.00 +0.25 +0.00	370.00 -0.062 -0.202	395.00 ±0.18
MRUBL-380X405X18	380	405	18	20.00 +0.25 +0.00	380.00 -0.062 -0.202	405.00 ±0.20

STYLE MRT320 ROD U-SEALS

Compact seal with integrated back-up ring, additional support edge and sealing edge.





PART NUMBERS

MRT320 - 45 x 55 x 8

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION					
MATERIAL	94A URETHANE				
MAXIMUM OPERATING CONDITIONS					
MAXIMUM SPEED	PRESSURE RANGE		TEMPERATURE RANGE		
1.65 ft/sec	7,250 psi		-34° to +255° F		
MAXIMUM EXTRUSION GAP					
PRESSURE	3,770 psi	4,640 psi	5,800 psi	7,250 psi	
MAX. DIAM. GAP	.024”	.022”	.018”	.014”	

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRT320-40X50X8	40	50	8	8.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.16 +0.00
MRT320-45X55X8	45	55	8	8.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.19 +0.00
MRT320-50X65X12.5	50	65	12.5	12.50 +0.20 +0.00	50.00 -0.025 -0.064	65.00 +0.19 +0.00
MRT320-56X71X12.5	56	71	12.5	12.50 +0.20 +0.00	56.00 -0.030 -0.076	71.00 +0.19 +0.00
MRT320-63X78X12.5	63	78	12.5	12.50 +0.20 +0.00	63.00 -0.030 -0.076	78.00 +0.19 +0.00
MRT320-70X85X12.5	70	85	12.5	12.50 +0.20 +0.00	70.00 -0.030 -0.076	85.00 +0.22 +0.00
MRT320-75X90X13	75	90	13	13.00 +0.20 +0.00	75.00 -0.030 -0.076	90.00 +0.22 +0.00
MRT320-80X95X12.5	80	95	12.5	12.50 +0.20 +0.00	80.00 -0.030 -0.076	95.00 +0.22 +0.00
MRT320-85X100X13	85	100	13	13.00 +0.20 +0.00	85.00 -0.036 -0.090	100.00 +0.22 +0.00
MRT320-95X110X13	95	110	13	13.00 +0.20 +0.00	95.00 -0.036 -0.090	110.00 +0.22 +0.00

STYLE MRT320 ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRT320-100X120X16	100	120	16	16.00 +0.20 +0.00	100.00 -0.036 -0.090	120.00 +0.22 +0.00
MRT320-110X130X16	110	130	16	16.00 +0.20 +0.00	110.00 -0.036 -0.090	130.00 +0.25 +0.00
MRT320-125X145X16	125	145	16	16.00 +0.20 +0.00	125.00 -0.043 -0.106	145.00 +0.25 +0.00
MRT320-140X160X16	140	160	16	16.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 +0.25 +0.00

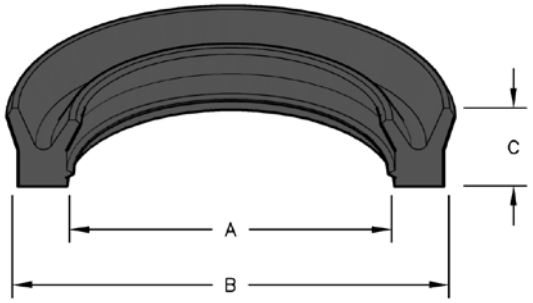
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRTU ROD U-SEALS

Molded in a tough urethane, this seal employs an additional lip near the heel. The twin lip design provides stability, friction-reducing lube retention, and some contaminant resistance. VME - Secondary lip is further from heel than standard MRTU. **NOTE:** E = European Urethane.

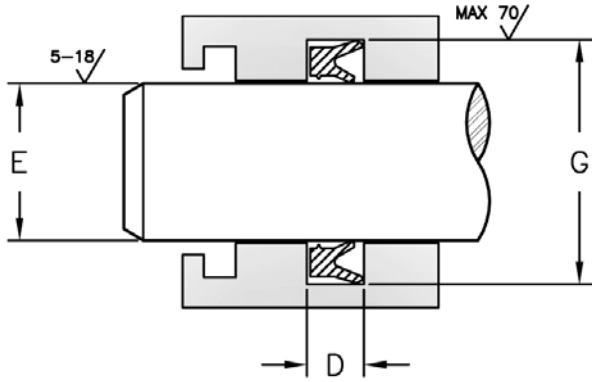


PART NUMBERS

MRTU - 12 x 18 x 5.7

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +225° F E: -22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-12X18X5.7	12	18	5.7	6.30 +0.25 +0.00	12.00 -0.016 -0.059	18.00 ±0.055
MRTU-12X20X5.7	12	20	5.7	6.30 +0.25 +0.00	12.00 -0.016 -0.059	20.00 ±0.065
MRTU-14X22X5.7	14	22	5.7	6.30 +0.25 +0.00	14.00 -0.016 -0.059	22.00 ±0.065
MRTU-15X22X5.7	15	22	5.7	6.30 +0.25 +0.00	15.00 -0.016 -0.059	22.00 ±0.065
MRTU-16X22X5	16	22	5	6.00 +0.25 +0.00	16.00 -0.016 -0.059	22.00 ±0.065
MRTU-16X24X5	16	24	5	5.50 +0.25 +0.00	16.00 -0.016 -0.059	24.00 ±0.065
MRTU-16X24X5.7	16	24	5.8	6.30 +0.25 +0.00	16.00 -0.016 -0.059	24.00 ±0.065
MRTU-16X26X7.7	16	26	7.7	9.00 +0.25 +0.00	16.00 -0.016 -0.059	26.00 ±0.065
MRTU-18X24X4.5	18	24	4.5	5.00 +0.25 +0.00	18.00 -0.016 -0.059	24.00 ±0.065
MRTU-18X25X5	18	25	5	6.00 +0.25 +0.00	18.00 -0.016 -0.059	25.00 ±0.065
MRTU-18X26X5	18	26	5	5.70 +0.25 +0.00	18.00 -0.016 -0.059	26.00 ±0.065
MRTU-18X26X5.7	18	26	5.7	6.30 +0.25 +0.00	18.00 -0.016 -0.059	26.00 ±0.065
MRTU-18X26X6	18	26	6	7.00 +0.25 +0.00	18.00 -0.016 -0.059	26.00 ±0.065
MRTU-18X28X7.7	18	28	7.7	9.00 +0.25 +0.00	18.00 -0.016 -0.059	28.00 ±0.065

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-20X26X5	20	26	5	5.50 +0.25 +0.00	20.00 -0.020 -0.072	26.00 ±0.065
MRTU-20X28X5	20	28	5	5.70 +0.25 +0.00	20.00 -0.020 -0.072	28.00 ±0.065
MRTU-20X28X5.7	20	28	5.7	6.30 +0.25 +0.00	20.00 -0.020 -0.072	28.00 ±0.065
MRTU-20X30X6	20	30	6	7.00 +0.25 +0.00	20.00 -0.020 -0.072	30.00 ±0.065
MRTU-20X30X7.7	20	30	7.7	9.00 +0.25 +0.00	20.00 -0.020 -0.072	30.00 ±0.065
MRTU-20X30X10	20	30	10	11.00 +0.25 +0.00	20.00 -0.020 -0.072	30.00 ±0.065
MRTU-22X30X5.7	22	30	5.7	6.30 +0.25 +0.00	22.00 -0.020 -0.072	30.00 ±0.065
MRTU-22X30X7.3	22	30	7.3	8.00 +0.25 +0.00	22.00 -0.020 -0.072	30.00 ±0.065
MRTU-22X32X7.3	22	32	7.3	8.00 +0.25 +0.00	22.00 -0.020 -0.072	32.00 ±0.08
MRTU-22X32X10	22	32	10	11.00 +0.25 +0.00	22.00 -0.020 -0.072	32.00 ±0.08
MRTU-25X33X4.9	25	33	4.9	5.50 +0.20 +0.00	25.00 +0.000 -0.052	33.00 +0.10 +0.00
MRTU-25X33X5	25	33	5	5.70 +0.25 +0.00	25.00 -0.020 -0.072	33.00 ±0.08
MRTU-25X33X5.7	25	33	5.7	6.30 +0.25 +0.00	25.00 -0.020 -0.072	33.00 ±0.08
MRTU-25X33X6.8	25	33	6.8	7.50 +0.25 +0.00	25.00 -0.020 -0.072	33.00 ±0.08
MRTU-25X35X7.3	25	35	7.3	8.00 +0.25 +0.00	25.00 -0.020 -0.072	35.00 ±0.08
MRTU-25X35X7.7	25	35	7.7	9.00 +0.25 +0.00	25.00 -0.020 -0.072	35.00 ±0.08
MRTU-25X35X8	25	35	8	9.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.16 +0.00
MRTU-25X35X10	25	35	10	11.00 +0.25 +0.00	25.00 -0.020 -0.072	35.00 ±0.08
MRTU-25X40X10	25	40	10	11.00 +0.25 +0.00	25.00 -0.020 -0.072	40.00 ±0.08
MRTU-28X36X5.7	28	36	5.7	6.30 +0.25 +0.00	28.00 -0.020 -0.072	36.00 ±0.08
MRTU-28X38X7.3	28	38	7.3	8.00 +0.25 +0.00	28.00 -0.020 -0.072	38.00 ±0.08
MRTU-28X43X11.4	28	43	11.4	12.50 +0.25 +0.00	28.00 -0.020 -0.072	43.00 ±0.08
MRTU-30X38X5.7	30	38	5.7	6.30 +0.25 +0.00	30.00 -0.020 -0.072	38.00 ±0.08
MRTU-30X38X6.3	30	38	6.3	7.00 +0.25 +0.00	30.00 -0.020 -0.072	38.00 ±0.08
MRTU-30X40X6	30	40	6	7.00 +0.25 +0.00	30.00 -0.020 -0.072	40.00 ±0.08
MRTU-30X40X6.5-E	30	40	6.5	7.50 +0.20 +0.00	30.00 -0.020 -0.053	40.00 ±0.05
MRTU-30X40X7	30	40	7	7.70 +0.25 +0.00	30.00 -0.020 -0.072	40.00 ±0.08
MRTU-30X40X10	30	40	10	11.00 +0.25 +0.00	30.00 -0.020 -0.072	40.00 ±0.08
MRTU-30X42X10.9	30	42	10.9	12.00 +0.25 +0.00	30.00 -0.020 -0.072	42.00 ±0.08
MRTU-30X45X10	30	45	10	11.00 +0.20 +0.00	30.00 -0.020 -0.053	45.00 +0.16 +0.00
MRTU-30X50X10	30	50	10	11.00 +0.25 +0.00	30.00 -0.020 -0.072	50.00 ±0.08
MRTU-32X40X6	32	40	6	7.00 +0.25 +0.00	32.00 -0.025 -0.087	40.00 ±0.08
MRTU-32X40X6.7	32	40	6.7	7.70 +0.25 +0.00	32.00 -0.025 -0.087	40.00 ±0.08

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-32X40X7.7	32	40	7.7	9.00 +0.25 +0.00	32.00 -0.025 -0.087	40.00 ±0.08
MRTU-32X42X5.7	32	42	5.7	6.30 +0.25 +0.00	32.00 -0.025 -0.087	42.00 ±0.08
MRTU-32X42X6	32	42	6	7.00 +0.25 +0.00	32.00 -0.025 -0.087	42.00 ±0.08
MRTU-32X42X7.3	32	42	7.3	8.00 +0.25 +0.00	32.00 -0.025 -0.087	42.00 ±0.08
MRTU-32X42X10	32	42	10	11.00 +0.25 +0.00	32.00 -0.025 -0.087	42.00 ±0.08
MRTU-32X47X9.1	32	47	9.1	10.00 +0.25 +0.00	32.00 -0.025 -0.087	47.00 ±0.08
MRTU-32X47X10	32	47	10	11.00 +0.25 +0.00	32.00 -0.025 -0.087	47.00 ±0.08
MRTU-32X48X10	32	48	10	11.00 +0.25 +0.00	32.00 -0.025 -0.087	48.00 ±0.08
MRTU-35X43X5.7	35	43	5.7	6.30 +0.25 +0.00	35.00 -0.025 -0.087	43.00 ±0.08
MRTU-35X43X6.3	35	43	6.3	7.00 +0.25 +0.00	35.00 -0.025 -0.087	43.00 ±0.08
MRTU-35X43X8.2	35	43	8.2	9.00 +0.25 +0.00	35.00 -0.025 -0.087	43.00 ±0.08
MRTU-35X45X6	35	45	6	7.00 +0.25 +0.00	35.00 -0.025 -0.087	45.00 ±0.08
MRTU-35X45X6-E	35	45	6	7.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.05
MRTU-35X45X7-E	35	45	6	8.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.05
MRTU-35X45X7	35	45	7	8.00 +0.25 +0.00	35.00 -0.025 -0.087	45.00 ±0.08
MRTU-35X45X7.7	35	45	7.7	9.00 +0.25 +0.00	35.00 -0.025 -0.087	45.00 ±0.08
MRTU-35X45X10	35	45	10	11.00 +0.25 +0.00	35.00 -0.025 -0.087	45.00 ±0.08
MRTU-35X50X9	35	50	9	10.00 +0.25 +0.00	35.00 -0.025 -0.087	50.00 ±0.08
MRTU-35X50X10	35	50	10	11.00 +0.25 +0.00	35.00 -0.025 -0.087	50.00 ±0.08
MRTU-36X44X6.4	36	44	6.4	7.50 +0.25 +0.00	36.00 -0.025 -0.087	44.00 ±0.08
MRTU-36X44X8	36	44	8.2	9.00 +0.25 +0.00	36.00 -0.025 -0.087	44.00 ±0.08
MRTU-36X46X7	36	46	7.3	8.00 +0.25 +0.00	36.00 -0.025 -0.087	46.00 ±0.08
MRTU-36X46X10	36	46	10	11.00 +0.25 +0.00	36.00 -0.025 -0.087	46.00 ±0.08
MRTU-38X48X8	38	48	8	9.00 +0.25 +0.00	38.00 -0.025 -0.087	48.00 ±0.08
MRTU-38X48X10	38	48	10	11.00 +0.25 +0.00	38.00 -0.025 -0.087	48.00 ±0.08
MRTU-38X50X10	38	50	10	11.00 +0.25 +0.00	38.00 -0.025 -0.087	50.00 ±0.08
MRTU-40X48X5.8-E	40	48	5.8	6.30 +0.20 +0.00	40.00 -0.025 -0.064	48.00 ±0.05
MRTU-40X48X8.2	40	48	8.2	9.00 +0.25 +0.00	40.00 -0.025 -0.087	48.00 ±0.08
MRTU-40X50X6	40	50	6	7.00 +0.25 +0.00	40.00 -0.025 -0.087	50.00 ±0.08
MRTU-40X50X7	40	50	7.3	8.00 +0.25 +0.00	40.00 -0.025 -0.087	50.00 ±0.08
MRTU-40X50X8	40	50	8	9.00 +0.25 +0.00	40.00 -0.025 -0.064	50.00 +0.062 +0.000
MRTU-40X50X10	40	50	10	11.00 +0.25 +0.00	40.00 -0.025 -0.087	50.00 ±0.08
MRTU-40X52X10.9	40	52	10.9	12.00 +0.25 +0.00	40.00 -0.025 -0.087	52.00 ±0.095

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-40X55X9	40	55	9	10.00 +0.25 +0.00	40.00 -0.025 -0.087	55.00 ±0.095
MRTU-40X55X10	40	55	10	11.00 +0.25 +0.00	40.00 -0.025 -0.087	55.00 ±0.095
MRTU-42X50X5.7	42	50	5.7	6.30 +0.25 +0.00	42.00 -0.025 -0.087	50.00 ±0.08
MRTU-42X50X7.5	42	50	7.5	8.00 +0.25 +0.00	42.00 -0.025 -0.087	50.00 ±0.08
MRTU-42X52X10	42	52	10	11.00 +0.25 +0.00	42.00 -0.025 -0.087	52.00 ±0.095
MRTU-45X53X8.1	45	53	8.1	9.00 +0.25 +0.00	45.00 -0.025 -0.087	53.00 ±0.095
MRTU-45X53X11.8	45	53	11.8	13.00 +0.25 +0.00	45.00 -0.025 -0.087	53.00 ±0.095
MRTU-45X55X6	45	55	6	7.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095
MRTU-45X55X7-E	45	55	7	8.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095
MRTU-45X55X7.3	45	55	7.3	8.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095
MRTU-45X55X10	45	55	10	11.00 +0.25 +0.00	45.00 -0.025 -0.087	55.00 ±0.095
MRTU-45X60X10	45	60	10	11.00 +0.25 +0.00	45.00 -0.025 -0.087	60.00 ±0.095
MRTU-45X65X10	45	65	10	11.00 +0.25 +0.00	45.00 -0.025 -0.087	65.00 ±0.095
MRTU-48X56X12-E	48	56	12	13.00 +0.20 +0.00	48.00 -0.025 -0.064	56.00 ±0.06
MRTU-48X60X10	48	60	10	11.00 +0.25 +0.00	48.00 -0.025 -0.087	60.00 ±0.095
MRTU-50X59.58X5.8	50	59.6	5.8	8.85 +0.38 +0.00	50.00 -0.02 -0.09	59.58 +0.05 +0.00
MRTU-50X60X6	50	60	6	7.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTU-50X60X7.3	50	60	7.3	8.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTU-50X60X10	50	60	10	11.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTU-50X60X11.8	50	60	11.8	13.00 +0.25 +0.00	50.00 -0.025 -0.087	60.00 ±0.095
MRTU-50X63X10	50	63	10	11.00 +0.25 +0.00	50.00 -0.025 -0.087	63.00 ±0.095
MRTU-50X65X9	50	65	9	10.00 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTU-50X65X9.5	50	65	9.5	10.50 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTU-50X65X10	50	65	10	11.00 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTU-50X65X11	50	65	10.9	12.00 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTU-50X65X14.5	50	65	14.5	16.00 +0.25 +0.00	50.00 -0.025 -0.087	65.00 ±0.095
MRTU-50X70X12	50	70	12	13.00 +0.25 +0.00	50.00 -0.025 -0.087	70.00 ±0.095
MRTU-55X65X6	55	65	6	7.00 +0.25 +0.00	55.00 -0.030 -0.104	65.00 ±0.095
MRTU-55X65X8.2	55	65	8.2	9.00 +0.25 +0.00	55.00 -0.030 -0.104	65.00 ±0.095
MRTU-55X65X10	55	65	10	11.00 +0.25 +0.00	55.00 -0.030 -0.104	65.00 ±0.095
MRTU-55X65X11.8	55	65	11.8	13.00 +0.25 +0.00	55.00 -0.030 -0.104	65.00 ±0.095
MRTU-55X68X10	55	68	10	11.00 +0.25 +0.00	55.00 -0.030 -0.104	68.00 ±0.095
MRTU-55X70X9	55	70	9	10.00 +0.25 +0.00	55.00 -0.030 -0.104	70.00 ±0.095

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-55X70X11.4-HT	55	70	11.4	12.50 +0.25 +0.00	55.00 -0.030 -0.104	70.00 ±0.095
MRTU-55X70X11.8	55	70	11.8	13.00 +0.25 +0.00	55.00 -0.030 -0.104	70.00 ±0.095
MRTU-55X75X12	55	75	12	13.00 +0.25 +0.00	55.00 -0.030 -0.104	75.00 ±0.095
MRTU-56X66X10	56	66	10	11.00 +0.25 +0.00	56.00 -0.030 -0.104	66.00 ±0.095
MRTU-56X71X10	56	71	10	11.00 +0.25 +0.00	56.00 -0.030 -0.104	71.00 ±0.095
MRTU-56X71X11	56	71	11.4	12.50 +0.25 +0.00	56.00 -0.030 -0.104	71.00 ±0.095
MRTU-60X68X11	60	68	11.4	12.50 +0.25 +0.00	60.00 -0.030 -0.104	68.00 ±0.095
MRTU-60X70X6	60	70	6	7.00 +0.25 +0.00	60.00 -0.030 -0.104	70.00 ±0.095
MRTU-60X70X7.3	60	70	7.3	8.00 +0.25 +0.00	60.00 -0.030 -0.104	70.00 ±0.095
MRTU-60X70X10	60	70	10	11.00 +0.25 +0.00	60.00 -0.030 -0.104	70.00 ±0.095
MRTU-60X70X11.8	60	70	11.8	13.00 +0.25 +0.00	60.00 -0.030 -0.104	70.00 ±0.095
MRTU-60X71X7	60	71	7	8.00 +0.25 +0.00	60.00 -0.030 -0.104	71.00 ±0.095
MRTU-60X72X10	60	72	10	11.00 +0.25 +0.00	60.00 -0.030 -0.104	72.00 ±0.095
MRTU-60X73X10	60	73	10	11.00 +0.25 +0.00	60.00 -0.030 -0.104	73.00 ±0.095
MRTU-60X75X9	60	75	9	10.00 +0.25 +0.00	60.00 -0.030 -0.104	75.00 ±0.095
MRTU-60X75X10	60	75	10	11.00 +0.25 +0.00	60.00 -0.030 -0.104	75.00 ±0.095
MRTU-60X75X11.8	60	75	11.8	13.00 +0.25 +0.00	60.00 -0.030 -0.104	75.00 ±0.095
MRTU-60X76X10	60	76	10	11.00 +0.25 +0.00	60.00 -0.030 -0.104	76.00 ±0.095
MRTU-60X80X12	60	80	12	13.00 +0.25 +0.00	60.00 -0.030 -0.104	80.00 ±0.095
MRTU-63X73X6	63	73	6	7.00 +0.25 +0.00	63.00 -0.030 -0.104	73.00 ±0.095
MRTU-63X73X12	63	73	11.8	13.00 +0.25 +0.00	63.00 -0.030 -0.104	73.00 ±0.095
MRTU-63X78X10	63	78	10	11.00 +0.25 +0.00	63.00 -0.030 -0.104	78.00 ±0.095
MRTU-63X78X11.4	63	78	11.4	12.50 +0.25 +0.00	63.00 -0.030 -0.104	78.00 ±0.095
MRTU-63X83X12	63	83	12	13.00 +0.20 +0.00	63.00 -0.030 -0.076	83.00 +0.22 +0.00
MRTU-65X75X7.7	65	75	7.7	9.00 +0.25 +0.00	65.00 -0.030 -0.104	75.00 ±0.095
MRTU-65X75X11.8	65	75	11.8	13.00 +0.25 +0.00	65.00 -0.030 -0.104	75.00 ±0.095
MRTU-65X77.75X8-E	65	77.75	8	10.49 +0.381 +0.000	65.00 -0.030 -0.104	77.75 +0.05 +0.00
MRTU-65X78X10	65	78	10	11.00 +0.25 +0.00	65.00 -0.030 -0.104	78.00 ±0.095
MRTU-65X80X9	65	80	9	10.00 +0.25 +0.00	65.00 -0.030 -0.104	80.00 ±0.095
MRTU-65X80X11.8	65	80	11.8	13.00 +0.25 +0.00	65.00 -0.030 -0.104	80.00 ±0.095
MRTU-65X85X12	65	85	12	13.00 +0.25 +0.00	65.00 -0.030 -0.104	85.00 ±0.11
MRTU-68X78X12	68	78	12	13.00 +0.20 +0.00	68.00 -0.030 -0.076	78.00 +0.19 +0.00
MRTU-70X80X6	70	80	6	7.00 +0.25 +0.00	70.00 -0.030 -0.104	80.00 ±0.095

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-70X80X12	70	80	11.8	13.00 +0.25 +0.00	70.00 -0.030 -0.104	80.00 ±0.095
MRTU-70X83X10	70	83	10	11.00 +0.25 +0.00	70.00 -0.030 -0.104	83.00 ±0.11
MRTU-70X85X9	70	85	9	10.00 +0.25 +0.00	70.00 -0.030 -0.104	85.00 ±0.11
MRTU-70X85X10	70	85	10	11.00 +0.25 +0.00	70.00 -0.030 -0.104	85.00 ±0.11
MRTU-70X85X11.5	70	85	11.4	12.50 +0.25 +0.00	70.00 -0.030 -0.104	85.00 ±0.11
MRTU-70X90X12	70	90	12	13.00 +0.25 +0.00	70.00 -0.030 -0.104	90.00 ±0.11
MRTU-75X85X6	75	85	6	7.00 +0.25 +0.00	75.00 -0.030 -0.104	85.00 ±0.11
MRTU-75X85X6-UBR	75	85	6	7.00 +0.20 +0.00	75.00 +0.000 -0.074	85.00 +0.14 +0.00
MRTU-75X85X11.8	75	85	11.8	13.00 +0.25 +0.00	75.00 -0.030 -0.104	85.00 ±0.11
MRTU-75X88X10	75	88	10	11.00 +0.25 +0.00	75.00 -0.030 -0.104	88.00 ±0.11
MRTU-75X90X9	75	90	9	10.00 +0.25 +0.00	75.00 -0.030 -0.104	90.00 ±0.11
MRTU-75X90X9-E	75	90	9	10.00 +0.25 +0.00	75.00 -0.030 -0.104	90.00 ±0.11
MRTU-75X95X12	75	95	12	13.00 +0.25 +0.00	75.00 -0.030 -0.104	95.00 ±0.11
MRTU-80X89.58X5.8	80	89.58	5.8	8.85 +0.38 +0.00	80.00 -0.03 -0.11	89.58 +0.05 +0.00
MRTU-80X90X6	80	90	6	7.00 +0.25 +0.00	80.00 -0.030 -0.104	90.00 ±0.11
MRTU-80X90X10	80	90	10	11.00 +0.25 +0.00	80.00 -0.030 -0.104	90.00 ±0.11
MRTU-80X90X12	80	90	11.8	13.00 +0.25 +0.00	80.00 -0.030 -0.104	90.00 ±0.11
MRTU-80X93X10	80	93	10	11.00 +0.25 +0.00	80.00 -0.030 -0.104	93.00 ±0.11
MRTU-80X95X9	80	95	9	10.00 +0.25 +0.00	80.00 -0.030 -0.104	95.00 ±0.11
MRTU-80X95X10	80	95	10	11.00 +0.25 +0.00	80.00 -0.030 -0.104	95.00 ±0.11
MRTU-80X95X12	80	95	11.8	13.00 +0.25 +0.00	80.00 -0.030 -0.104	95.00 ±0.11
MRTU-80X100X12	80	100	12	13.00 +0.25 +0.00	80.00 -0.030 -0.104	100.00 ±0.11
MRTU-80X100X14.5	80	100	14.5	16.00 +0.25 +0.00	80.00 -0.030 -0.104	100.00 ±0.11
MRTU-85X100X9	85	100	9	10.00 +0.25 +0.00	85.00 -0.036 -0.123	100.00 ±0.11
MRTU-85X100X10	85	100	10	11.00 +0.25 +0.00	85.00 -0.036 -0.123	100.00 ±0.11
MRTU-85X100X11.8	85	100	11.8	13.00 +0.25 +0.00	85.00 -0.036 -0.123	100.00 ±0.11
MRTU-85X105X12	85	105	12	13.00 +0.25 +0.00	85.00 -0.036 -0.123	105.00 ±0.11
MRTU-90X100X6.8	90	100	6.8	7.50 +0.25 +0.00	90.00 -0.036 -0.123	100.00 ±0.11
MRTU-90X100X9	90	100	9	10.00 +0.25 +0.00	90.00 -0.036 -0.123	100.00 ±0.11
MRTU-90X100X11.5-VME	90	100	11.5	12.50 +0.25 +0.00	90.00 -0.036 -0.071	100.00 +0.14 +0.00
MRTU-90X100X11.8	90	100	11.8	13.00 +0.25 +0.00	90.00 -0.036 -0.123	100.00 ±0.11
MRTU-90X105X9	90	105	9	10.00 +0.25 +0.00	90.00 -0.036 -0.123	105.00 ±0.11
MRTU-90X105X9-UBR	90	105	9	10.00 +0.20 +0.00	90.00 +0.000 -0.087	105.00 +0.14 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-90X105X10	90	105	10	11.00 +0.25 +0.00	90.00 -0.036 -0.123	105.00 ±0.11
MRTU-90X105X11.4	90	105	11.4	12.50 +0.25 +0.00	90.00 -0.036 -0.123	105.00 ±0.11
MRTU-90X105X11.5-E	90	105	11.5	12.50 +0.20 +0.00	90.00 -0.036 -0.090	105.00 ±0.07
MRTU-90X110X12	90	110	12	13.00 +0.25 +0.00	90.00 -0.036 -0.123	110.00 ±0.11
MRTU-95X110X9	95	110	9	10.00 +0.25 +0.00	95.00 -0.036 -0.123	110.00 ±0.11
MRTU-95X110X10	95	110	10	11.00 +0.25 +0.00	95.00 -0.036 -0.123	110.00 ±0.11
MRTU-95X115X12	95	115	12	13.00 +0.25 +0.00	95.00 -0.036 -0.123	115.00 ±0.11
MRTU-100X110X10.9	100	110	10.9	12.00 +0.25 +0.00	100.00 -0.036 -0.123	110.00 ±0.11
MRTU-100X115X9	100	115	9	10.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRTU-100X115X10	100	115	10	11.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRTU-100X115X12	100	115	11.8	13.00 +0.25 +0.00	100.00 -0.036 -0.123	115.00 ±0.11
MRTU-100X120X11.8	100	120	11.8	13.00 +0.25 +0.00	100.00 -0.036 -0.123	120.00 ±0.11
MRTU-100X120X14.5	100	120	14.5	16.00 +0.25 +0.00	100.00 -0.036 -0.123	120.00 ±0.11
MRTU-105X113X10	105	113	10	11.00 +0.25 +0.00	105.00 -0.036 -0.123	113.00 ±0.11
MRTU-105X113X13.5-E	105	113	13.5	14.50 +0.20 +0.00	105.00 -0.036 -0.090	113.00 ±0.07
MRTU-105X115X11.5-VME	105	115	11.5	12.50 +0.25 +0.00	105.00 -0.036 -0.071	115.00 +0.14 +0.00
MRTU-105X115X13.2	105	115	13.2	14.50 +0.25 +0.00	105.00 -0.036 -0.123	115.00 ±0.11
MRTU-105X120X9	105	120	9	10.00 +0.25 +0.00	105.00 -0.036 -0.123	120.00 ±0.11
MRTU-105X120X10	105	120	10	11.00 +0.25 +0.00	105.00 -0.036 -0.123	120.00 ±0.11
MRTU-105X120X14.5	105	120	14.5	16.00 +0.25 +0.00	105.00 -0.036 -0.123	120.00 ±0.11
MRTU-110X125X9	110	125	9	10.00 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MRTU-110X125X11	110	125	11	12.00 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MRTU-110X125X14.5	110	125	14.5	16.00 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MRTU-110X130X11.8	110	130	11.8	13.00 +0.25 +0.00	110.00 -0.036 -0.123	130.00 ±0.125
MRTU-110X130X12-NIBHT	110	130	12	13.00 +0.20 +0.00	110.00 -0.036 -0.090	130.00 +0.25 +0.00
MRTU-110X130X14.5	110	130	14.5	16.00 +0.25 +0.00	110.00 -0.036 -0.123	130.00 ±0.125
MRTU-115X130X9	115	130	9	10.00 +0.25 +0.00	115.00 -0.036 -0.123	130.00 ±0.125
MRTU-115X130X10.9	115	130	10.9	12.00 +0.25 +0.00	115.00 -0.036 -0.123	130.00 ±0.125
MRTU-115X130X14.5	115	130	14.5	16.00 +0.25 +0.00	115.00 -0.036 -0.123	130.00 ±0.125
MRTU-120X130X10.9	120	130	10.9	12.00 +0.25 +0.00	120.00 -0.036 -0.123	130.00 ±0.125
MRTU-120X130X11.5-VME	120	130	11.5	12.50 +0.25 +0.00	120.00 -0.036 -0.071	130.00 +0.16 +0.00
MRTU-120X135X9	120	135	9	10.00 +0.25 +0.00	120.00 -0.036 -0.123	135.00 ±0.125
MRTU-120X135X15	120	135	15	16.00 +0.20 +0.00	120.00 -0.036 -0.090	135.00 +0.25 +0.00

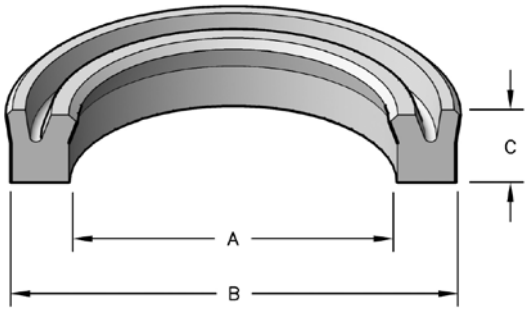


STYLE MRTU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTU-120X140X12	120	140	12	13.00 +0.25 +0.00	120.00 -0.036 -0.123	140.00 ±0.125
MRTU-120X140X14.5	120	140	14.5	16.00 +0.25 +0.00	120.00 -0.036 -0.123	140.00 ±0.125
MRTU-125X140X9	125	140	9	10.00 +0.25 +0.00	125.00 -0.043 -0.143	140.00 ±0.125
MRTU-125X140X10.9	125	140	10.9	12.00 +0.25 +0.00	125.00 -0.043 -0.143	140.00 ±0.125
MRTU-125X145X12	125	145	12	13.00 +0.25 +0.00	125.00 -0.043 -0.143	145.00 ±0.125
MRTU-125X145X14.5	125	145	14.5	16.00 +0.25 +0.00	125.00 -0.043 -0.143	145.00 ±0.125
MRTU-130X140X14.5	130	140	14.5	16.00 +0.25 +0.00	130.00 -0.043 -0.143	140.00 ±0.125
MRTU-130X145X9	130	145	9	10.00 +0.25 +0.00	130.00 -0.043 -0.143	145.00 ±0.125
MRTU-130X145X10	130	145	10	11.00 +0.25 +0.00	130.00 -0.043 -0.106	145.00 +0.10 +0.00
MRTU-130X150X12	130	150	12	13.00 +0.25 +0.00	130.00 -0.043 -0.143	150.00 ±0.125
MRTU-130X150X14.5	130	150	14.5	16.00 +0.25 +0.00	130.00 -0.043 -0.143	150.00 ±0.125
MRTU-140X150X10.9	140	150	10.9	12.00 +0.25 +0.00	140.00 -0.043 -0.143	150.00 ±0.125
MRTU-140X155X9	140	155	9	10.00 +0.25 +0.00	140.00 -0.043 -0.143	155.00 ±0.125
MRTU-140X160X11.8	140	160	11.8	13.00 +0.25 +0.00	140.00 -0.043 -0.143	160.00 ±0.125
MRTU-140X160X12-NIBHT	140	160	12	13.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 +0.25 +0.00
MRTU-140X160X14.5	140	160	14.5	16.00 +0.25 +0.00	140.00 -0.043 -0.143	160.00 ±0.125
MRTU-145X160X9-HI	145	160	9	11.00 +0.20 +0.00	145.00 -0.043 -0.106	160.00 +0.25 +0.00
MRTU-150X160X11	150	160	11	12.00 +0.25 +0.00	150.00 -0.043 -0.143	160.00 ±0.125
MRTUSL-150X165X9	150	165	9	10.00 ±0.20	150.00 -0.043 -0.106	165.00 +0.00 -0.20
MRTU-150X170X12	150	170	12	13.00 +0.25 +0.00	150.00 -0.043 -0.143	170.00 ±0.125
MRTU-150X170X13	150	170	13.2	14.50 +0.25 +0.00	150.00 -0.043 -0.143	170.00 ±0.125
MRTU-150X170X14.5	150	170	14.5	16.00 +0.25 +0.00	150.00 -0.043 -0.143	170.00 ±0.125
MRTU-155X170X14.5	155	170	14.5	16.00 +0.25 +0.00	155.00 -0.043 -0.143	170.00 ±0.125
MRTU-160X170X11.5-VME	160	170	11.5	12.50 +0.25 +0.00	160.00 -0.043 -0.083	170.00 +0.16 +0.00
MRTU-160X175X9	160	175	9	10.00 +0.25 +0.00	160.00 -0.043 -0.143	175.00 ±0.125
MRTU-160X180X12	160	180	12	13.00 +0.25 +0.00	160.00 -0.043 -0.143	180.00 ±0.125
MRTU-160X180X14.5	160	180	14.5	16.00 +0.25 +0.00	160.00 -0.043 -0.143	180.00 ±0.125
MRTU-170X190X14.5	170	190	14.5	16.00 +0.25 +0.00	170.00 -0.043 -0.143	190.00 ±0.145
MRTU-177.7X195X9.5	177.7	195	9.5	10.50 +0.25 +0.00	177.70 -0.043 -0.143	195.00 ±0.145
MRTU-180X200X11.8	180	200	11.8	13.00 +0.25 +0.00	180.00 -0.043 -0.143	200.00 ±0.145
MRTU-180X200X14.5	180	200	14.5	16.00 +0.25 +0.00	180.00 -0.043 -0.143	200.00 ±0.145
MRTU-228.5X246X9	228.5	246	9	10.00 +0.25 +0.00	228.50 -0.050 -0.096	246.00 +0.185 +0.000

STYLE MRU ROD U-SEALS

Molded in a tough urethane, this rod u-seal fits tightly in the groove while providing increased radial force on the rod.



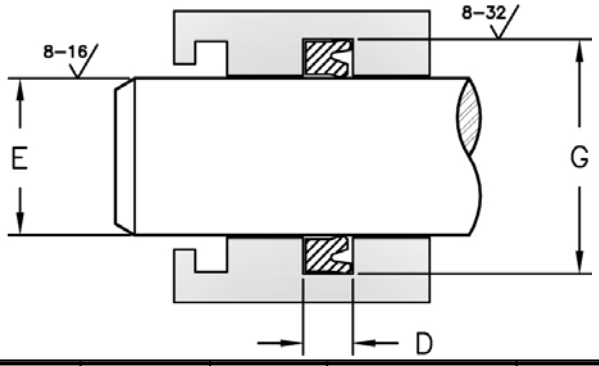
PART NUMBERS

MRU - 6 x 14 x 5.7-E

Type of Seal | Inside Diameter | Outside Diameter | Height

NOTE: E = European Urethane
ME = Merkel Equivalent
GT = Green Tweed Equivalent
A = Alternative Supplier

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-65° TO +230° F E: -22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-6X14X5.7-E	6	14	5.7	6.50 +0.30 +0.00	6.00 -0.010 -0.028	14.00 +0.07 +0.00
MRU-10X18X5.7-ME	10	18	5.7	6.30 +0.20 +0.00	10.00 -0.013 -0.035	18.00 +0.11 +0.00
MRU-12X20X5.7-E	12	20	5.7	6.50 +0.30 +0.00	12.00 -0.016 -0.043	20.00 +0.084 +0.000
MRU-12X20X5.7-ME	12	20	5.7	6.30 +0.20 +0.00	12.00 -0.016 -0.043	20.00 +0.13 +0.00
MRU-14X22X5.7-ME	14	22	5.7	6.50 +0.30 +0.00	14.00 -0.016 -0.043	22.00 +0.13 +0.00
MRU-15X25X10	15	25	10	11.00 +0.30 +0.00	15.00 -0.016 -0.043	25.00 +0.084 +0.000
MRU-16X24X5.7-ME	16	24	5.7	6.50 +0.30 +0.00	16.00 -0.016 -0.043	24.00 +0.13 +0.00
MRU-18X24X4.5-E	18	24	4.5	5.00 +0.30 +0.00	18.00 -0.016 -0.043	24.00 +0.084 +0.000
MRU-18X26X5.7-E	18	26	5.7	6.50 +0.30 +0.00	18.00 -0.016 -0.043	26.00 +0.084 +0.000
MRU-18X26X5.7-ME	18	26	5.7	6.30 +0.20 +0.00	18.00 -0.016 -0.043	26.00 +0.13 +0.00
MRU-18X28X7.3-ME	18	28	7.3	8.00 +0.20 +0.00	18.00 -0.016 -0.043	28.00 +0.13 +0.00
MRU-18X28X8-E	18	28	8	9.00 +0.30 +0.00	18.00 -0.016 -0.043	28.00 +0.084 +0.000
MRU-20X28X5.7	20	28	5.7	6.50 +0.30 +0.00	20.00 -0.020 -0.053	28.00 +0.084 +0.000
MRU-20X28X5.7-ME	20	28	5.7	6.30 +0.20 +0.00	20.00 -0.020 -0.053	28.00 +0.13 +0.00
MRU-20X30X7.3-ME	20	30	7.3	8.00 +0.20 +0.00	20.00 -0.020 -0.053	30.00 +0.13 +0.00
MRU-20X30X8	20	30	8	9.00 +0.30 +0.00	20.00 -0.020 -0.053	30.00 +0.084 +0.000

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-20X35X10-E	20	35	10	11.00 +0.30 +0.00	20.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-22X30X5.7-E	22	30	5.7	6.50 +0.30 +0.00	22.00 -0.020 -0.053	30.00 +0.084 +0.000
MRU-22X30X5.7-ME	22	30	5.7	6.30 +0.20 +0.00	22.00 -0.020 -0.053	30.00 +0.13 +0.00
MRU-22X32X7.3-ME	22	32	7.3	8.00 +0.20 +0.00	22.00 -0.020 -0.053	32.00 +0.16 +0.00
MRU-25X31X5-B3	25	31	5	5.60 +0.25 +0.00	25.00 -0.020 -0.041	31.00 +0.062 +0.000
MRU-25X33X5	25	33	5	5.70 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.10 +0.00
MRU-25X33X5.7	25	33	5.7	6.50 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.10 +0.00
MRU-25X33X5.7-ME	25	33	5.7	6.30 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.16 +0.00
MRU-25X33X6.3-E	25	33	6.3	7.00 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.10 +0.00
MRU-25X33X10-E	25	33	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.10 +0.00
MRU-25X35X5	25	35	5	5.70 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-25X35X6	25	35	6	6.50 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-25X35X7.2-E	25	35	7.2	8.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-25X35X7.3-ME	25	35	7.3	8.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.16 +0.00
MRU-25X35X8	25	35	8	9.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-25X35X10-E	25	35	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00
MRU-25X40X10-E	25	40	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-28X36X5.7-ME	28	36	5.7	6.30 +0.20 +0.00	28.00 -0.020 -0.053	36.00 +0.16 +0.00
MRU-28X38X7.3	28	38	7.3	8.00 +0.30 +0.00	28.00 -0.020 -0.053	38.00 +0.10 +0.00
MRU-28X38X7.3-ME	28	38	7.3	8.00 +0.20 +0.00	28.00 -0.020 -0.053	38.00 +0.16 +0.00
MRU-30X38X5.7-E	30	38	5.7	6.50 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.10 +0.00
MRU-30X38X5.7-ME	30	38	5.7	6.30 +0.20 +0.00	30.00 -0.020 -0.053	38.00 +0.16 +0.00
MRU-30X38X8-E	30	38	8	9.00 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.10 +0.00
MRU-30X38X8.2-ME	30	38	8.2	9.00 +0.20 +0.00	30.00 -0.020 -0.053	38.00 +0.16 +0.00
MRU-30X40X6	30	40	6	6.50 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-30X40X7	30	40	7	8.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-30X40X7.3	30	40	7.3	8.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-30X40X8	30	40	8	9.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-30X40X10-E	30	40	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.10 +0.00
MRU-30X40X10-ME	30	40	10	11.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 +0.16 +0.00
MRU-30X43X9-E	30	43	9	10.00 +0.30 +0.00	30.00 -0.020 -0.053	43.00 +0.10 +0.00
MRU-30X43X10	30	43	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	43.00 +0.10 +0.00
MRU-30X46X9	30	46	9	10.00 +0.30 +0.00	30.00 -0.020 -0.053	46.00 +0.10 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-32X40X5.7-ME	32	40	5.7	6.30 +0.20 +0.00	32.00 -0.025 -0.064	40.00 +0.16 +0.00
MRU-32X40X8-E	32	40	8	9.00 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.10 +0.00
MRU-32X42X6	32	42	6	6.50 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.10 +0.00
MRU-32X42X7.2-E	32	42	7.2	8.00 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.10 +0.00
MRU-32X42X7.3-ME	32	42	7.3	8.00 +0.20 +0.00	32.00 -0.02 -0.06	42.00 +0.06 +0.00
MRU-32X45X9.5-E	32	45	9.5	10.50 +0.30 +0.00	32.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-32X47X10-E	32	47	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	47.00 +0.10 +0.00
MRU-32X47X10-ME	32	47	10	11.00 +0.20 +0.00	32.00 -0.025 -0.064	47.00 +0.16 +0.00
MRU-33X43X10-E	33	43	10	11.00 +0.30 +0.00	33.00 -0.025 -0.064	43.00 +0.10 +0.00
MRU-35X43X5.7-E	35	43	5.7	6.50 +0.30 +0.00	35.00 -0.025 -0.064	43.00 +0.10 +0.00
MRU-35X43X5.7-ME	35	43	5.7	6.30 +0.20 +0.00	35.00 -0.025 -0.064	43.00 +0.16 +0.00
MRU-35X43X8-E	35	43	8	9.00 +0.30 +0.00	35.00 -0.025 -0.064	43.00 +0.10 +0.00
MRU-35X45X6	35	45	6	6.50 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-35X45X6-A	35	45	6	6.50 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-35X45X6.3	35	45	6.3	7.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-35X45X7	35	45	7	8.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-35X45X7.3	35	45	7.3	8.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRU-35X45X10-ME	35	45	10	11.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 +0.16 +0.00
MRU-35X51X9	35	51	9	10.00 +0.30 +0.00	35.00 -0.025 -0.064	51.00 +0.12 +0.00
MRU-36X44X5.7-ME	36	44	5.7	6.50 +0.30 +0.00	36.00 -0.025 -0.064	44.00 +0.10 +0.00
MRU-36X44X8.2-ME	36	44	8.2	9.00 +0.20 +0.00	36.00 -0.025 -0.064	44.00 +0.16 +0.00
MRU-36X46X7-E	36	46	7	8.00 +0.30 +0.00	36.00 -0.025 -0.064	46.00 +0.10 +0.00
MRU-36X46X7.3-ME	36	46	7.3	8.00 +0.20 +0.00	36.00 -0.025 -0.064	46.00 +0.16 +0.00
MRU-36X51X10-E	36	51	10	11.00 +0.30 +0.00	36.00 -0.025 -0.064	51.00 +0.12 +0.00
MRU-40X48X5	40	48	5	5.70 +0.30 +0.00	40.00 -0.025 -0.064	48.00 +0.10 +0.00
MRU-40X48X5.7-E	40	48	5.7	6.50 +0.30 +0.00	40.00 -0.025 -0.064	48.00 +0.10 +0.00
MRU-40X48X5.7-ME	40	48	5.7	6.30 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.16 +0.00
MRU-40X48X5.8-E	40	48	5.8	6.80 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.16 +0.00
MRU-40X48X8.2-ME	40	48	8.2	9.00 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.16 +0.00
MRU-40X50X6	40	50	6	6.50 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.10 +0.00
MRU-40X50X7.3	40	50	7.3	8.00 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.10 +0.00
MRU-40X50X7.3-ME	40	50	7.3	8.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.16 +0.00
MRU-40X50X9-E	40	50	9	10.00 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.10 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-40X50X10-ME	40	50	10	11.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.16 +0.00
MRU-40X52X8-E	40	52	8	9.00 +0.30 +0.00	40.00 -0.025 -0.064	52.00 +0.12 +0.00
MRU-40X55X9	40	55	9	10.00 +0.30 +0.00	40.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-40X55X10	40	55	10	11.00 +0.30 +0.00	40.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-40X55X10-ME	40	55	10	11.00 +0.20 +0.00	40.00 -0.025 -0.064	55.00 +0.19 +0.00
MRU-40X56X12	40	56	12	13.00 +0.30 +0.00	40.00 -0.025 -0.064	56.00 +0.12 +0.00
MRU-40X60X12	40	60	12	13.00 +0.30 +0.00	40.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-42X50X5.7-ME	42	50	5.7	6.50 +0.30 +0.00	42.00 -0.025 -0.064	50.00 +0.10 +0.00
MRU-42X50X6	42	50	6	6.50 +0.30 +0.00	42.00 -0.025 -0.064	50.00 +0.10 +0.00
MRU-42X52X7.3	42	52	7.3	8.00 +0.30 +0.00	42.00 -0.025 -0.064	52.00 +0.12 +0.00
MRU-45X53X5.8-E	45	53	5.8	6.50 +0.30 +0.00	45.00 -0.025 -0.064	53.00 +0.12 +0.00
MRU-45X53X8.2-ME	45	53	8.2	9.00 +0.20 +0.00	45.00 -0.025 -0.064	53.00 +0.19 +0.00
MRU-45X55X6	45	55	6	6.50 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-45X55X6-A	45	55	6	6.50 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-45X55X7.3	45	55	7.3	8.00 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-45X55X7.3-ME	45	55	7.3	8.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.19 +0.00
MRU-45X55X8	45	55	8	9.00 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MRU-45X55X10-ME	45	55	10	11.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.19 +0.00
MRU-45X58X9-E	45	58	9	10.00 +0.30 +0.00	45.00 -0.025 -0.064	58.00 +0.12 +0.00
MRU-45X60X9	45	60	9	10.00 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-45X60X10-E	45	60	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-45X60X10-ME	45	60	10	11.00 +0.20 +0.00	45.00 -0.025 -0.064	60.00 +0.19 +0.00
MRU-45X60X11.5-E	45	60	11.5	12.50 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-45X65X12	45	65	12	13.00 +0.30 +0.00	45.00 -0.025 -0.064	65.00 +0.12 +0.00
MRU-50X58X8.2-ME	50	58	8.2	9.00 +0.30 +0.00	50.00 -0.025 -0.064	58.00 +0.12 +0.00
MRU-50X60X7.3	50	60	7.3	8.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-50X60X7.3-ME	50	60	7.3	8.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.19 +0.00
MRU-50X60X10-E	50	60	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-50X60X10-ME	50	60	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.19 +0.00
MRU-50X60X12-E	50	60	12	13.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MRU-50X63X8	50	63	8	9.00 +0.30 +0.00	50.00 -0.025 -0.064	63.00 +0.12 +0.00
MRU-50X63X10	50	63	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	63.00 +0.12 +0.00
MRU-50X65X9	50	65	9	10.00 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.12 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-50X65X10	50	65	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.12 +0.00
MRU-50X65X10-ME	50	65	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	65.00 +0.19 +0.00
MRU-50X65X11.4-ME	50	65	11.4	12.50 +0.20 +0.00	50.00 -0.025 -0.064	65.00 +0.19 +0.00
MRU-50X65X11.5-E	50	65	11.5	12.50 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.12 +0.00
MRU-50X65X15.5-E	50	65	15.5	17.00 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.12 +0.00
MRU-50X66X12	50	66	12	13.00 +0.30 +0.00	50.00 -0.025 -0.064	66.00 +0.12 +0.00
MRU-50X70X12	50	70	12	13.00 +0.30 +0.00	50.00 -0.025 -0.064	70.00 +0.12 +0.00
MRU-55X65X6-A	55	65	6	6.50 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.12 +0.00
MRU-55X65X7.2-E	55	65	7.2	8.00 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.12 +0.00
MRU-55X65X7.3-ME	55	65	7.3	8.00 +0.20 +0.00	55.00 -0.030 -0.076	65.00 +0.19 +0.00
MRU-55X65X8.2	55	65	8.2	9.00 +0.20 +0.00	55.00 -0.030 -0.076	65.00 +0.12 +0.00
MRU-55X65X10-ME	55	65	10	11.00 +0.20 +0.00	55.00 -0.030 -0.076	65.00 +0.19 +0.00
MRU-55X68X10	55	68	10	11.00 +0.30 +0.00	55.00 -0.030 -0.076	68.00 +0.12 +0.00
MRU-55X70X9	55	70	9	10.00 +0.30 +0.00	55.00 -0.030 -0.076	70.00 +0.12 +0.00
MRU-55X70X10-E	55	70	10	11.00 +0.30 +0.00	55.00 -0.030 -0.076	70.00 +0.12 +0.00
MRU-55X71X12	55	71	12	13.00 +0.30 +0.00	55.00 -0.030 -0.076	71.00 +0.12 +0.00
MRU-55X75X12	55	75	12	13.00 +0.30 +0.00	55.00 -0.030 -0.076	75.00 +0.12 +0.00
MRU-56X66X7.3	56	66	7.3	8.00 +0.30 +0.00	56.00 -0.030 -0.076	66.00 +0.12 +0.00
MRU-56X66X7.3-ME	56	66	7.3	8.00 +0.20 +0.00	56.00 -0.030 -0.076	66.00 +0.19 +0.00
MRU-56X66X10-E	56	66	10	11.00 +0.30 +0.00	56.00 -0.030 -0.076	66.00 +0.12 +0.00
MRU-56X71X9	56	71	9	10.00 +0.30 +0.00	56.00 -0.030 -0.076	71.00 +0.12 +0.00
MRU-56X71X10-E	56	71	10	11.00 +0.30 +0.00	56.00 -0.030 -0.076	71.00 +0.12 +0.00
MRU-60X68X8.2-ME	60	68	8.2	9.00 +0.20 +0.00	60.00 -0.030 -0.076	68.00 +0.19 +0.00
MRU-60X70X7.3	60	70	7.3	8.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.12 +0.00
MRU-60X70X7.3-ME	60	70	7.3	8.00 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.19 +0.00
MRU-60X70X10-ME	60	70	10	11.00 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.19 +0.00
MRU-60X72X9-E	60	72	9	10.00 +0.30 +0.00	60.00 -0.030 -0.076	72.00 +0.12 +0.00
MRU-60X73X10	60	73	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	73.00 +0.12 +0.00
MRU-60X75X9	60	75	9	10.00 +0.30 +0.00	60.00 -0.030 -0.076	75.00 +0.12 +0.00
MRU-60X75X11.4-ME	60	75	11.4	12.50 +0.20 +0.00	60.00 -0.030 -0.076	75.00 +0.19 +0.00
MRU-60X76X10	60	76	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	76.00 +0.12 +0.00
MRU-60X76X12	60	76	12	13.00 +0.30 +0.00	60.00 -0.030 -0.076	76.00 +0.12 +0.00
MRU-60X80X12	60	80	12	13.00 +0.30 +0.00	60.00 -0.030 -0.076	80.00 +0.12 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-63X73X12-E	63	73	12	13.00 +0.30 +0.00	63.00 -0.030 -0.076	73.00 +0.12 +0.00
MRU-63X75X8.7-ME	63	75	8.7	9.60 +0.20 +0.00	63.00 -0.030 -0.076	75.00 -67.926 +0.000
MRU-63X78X10-E	63	78	10	11.00 +0.30 +0.00	63.00 -0.030 -0.076	78.00 +0.12 +0.00
MRU-63X78X11.4-ME	63	78	11.4	12.50 +0.20 +0.00	63.00 -0.030 -0.076	78.00 +0.19 +0.00
MRU-63X79X11.5-GT	63	79	11.5	12.50 +0.30 +0.00	63.00 -0.030 -0.076	79.00 +0.12 +0.00
MRU-63X83X12	63	83	12	13.00 +0.30 +0.00	63.00 -0.030 -0.076	83.00 +0.14 +0.00
MRU-65X75X6	65	75	6	6.50 +0.30 +0.00	65.00 -0.030 -0.076	75.00 +0.12 +0.00
MRU-65X77X8.7-ME	65	77	8.7	9.60 +0.20 +0.00	65.00 -0.030 -0.076	77.00 +0.19 +0.00
MRU-65X78X10	65	78	10	11.00 +0.30 +0.00	65.00 -0.030 -0.076	78.00 +0.12 +0.00
MRU-65X78X10-A	65	78	10	11.00 +0.30 +0.00	65.00 -0.030 -0.076	78.00 +0.12 +0.00
MRU-65X80X9	65	80	9	10.00 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.12 +0.00
MRU-65X80X10-E	65	80	10	11.00 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.12 +0.00
MRU-65X80X11.4-ME	65	80	11.4	12.50 +0.20 +0.00	65.00 -0.030 -0.076	80.00 +0.19 +0.00
MRU-65X85X12	65	85	12	13.00 +0.30 +0.00	65.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-70X80X7-E	70	80	7	8.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.12 +0.00
MRU-70X80X11.8-ME	70	80	11.8	13.00 +0.20 +0.00	70.00 -0.030 -0.076	80.00 +0.19 +0.00
MRU-70X82X8.7-ME	70	82	8.7	9.50 +0.30 +0.00	70.00 -0.030 -0.076	82.00 +0.14 +0.00
MRU-70X83X10	70	83	10	11.00 +0.30 +0.00	70.00 -0.030 -0.076	83.00 +0.14 +0.00
MRU-70X85X9	70	85	9	10.00 +0.30 +0.00	70.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-70X85X10-E	70	85	10	11.00 +0.30 +0.00	70.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-70X85X10-ME	70	85	10	11.00 +0.20 +0.00	70.00 -0.030 -0.076	85.00 +0.22 +0.00
MRU-70X85X11.4-ME	70	85	11.4	12.50 +0.20 +0.00	70.00 -0.030 -0.076	85.00 +0.22 +0.00
MRU-70X85X12-E	70	85	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-70X90X12	70	90	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	90.00 +0.14 +0.00
MRU-75X85X6-A	75	85	6	6.50 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-75X85X6.3	75	85	6.3	7.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-75X85X7-E	75	85	7	8.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-75X85X12-E	75	85	12	13.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.14 +0.00
MRU-75X88X10	75	88	10	11.00 +0.30 +0.00	75.00 -0.030 -0.076	88.00 +0.14 +0.00
MRU-75X90X9	75	90	9	10.00 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.14 +0.00
MRU-75X90X10-E	75	90	10	11.00 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.14 +0.00
MRU-75X90X10-ME	75	90	10	11.00 +0.20 +0.00	75.00 -0.030 -0.076	90.00 +0.22 +0.00
MRU-75X90X11.4-ME	75	90	11.4	12.50 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.14 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-75X95X12	75	95	12	13.00 +0.30 +0.00	75.00 -0.030 -0.076	95.00 +0.14 +0.00
MRU-80X92X8.7-ME	80	92	8.7	9.60 +0.20 +0.00	80.00 -0.030 -0.076	92.00 +0.22 +0.00
MRU-80X93X10	80	93	10	11.00 +0.30 +0.00	80.00 -0.030 -0.076	93.00 +0.14 +0.00
MRU-80X95X9	80	95	9	10.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.14 +0.00
MRU-80X95X10	80	95	10	11.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.14 +0.00
MRU-80X95X11.4-ME	80	95	11.4	12.50 +0.20 +0.00	80.00 -0.030 -0.076	95.00 +0.22 +0.00
MRU-80X95X11.5-E	80	95	11.5	12.50 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.14 +0.00
MRU-80X100X12	80	100	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.14 +0.00
MRU-85X100X9	85	100	9	10.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.14 +0.00
MRU-85X100X10	85	100	10	11.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.14 +0.00
MRU-85X100X11.4-ME	85	100	11.4	12.50 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.14 +0.00
MRU-85X105X12	85	105	12	13.00 +0.30 +0.00	85.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X102X8.7-ME	90	102	8.7	9.60 +0.20 +0.00	90.00 -0.036 -0.090	102.00 +0.22 +0.00
MRU-90X105X9	90	105	9	10.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X105X10	90	105	10	11.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X105X11.4-ME	90	105	11.4	12.50 +0.20 +0.00	90.00 -0.036 -0.090	105.00 +0.22 +0.00
MRU-90X105X11.5-E	90	105	11.5	12.50 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X110X12	90	110	12	13.00 +0.30 +0.00	90.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-90X110X15-E	90	110	15	16.50 +0.30 +0.00	90.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-95X110X9	95	110	9	10.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-95X110X10	95	110	10	11.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-95X115X12	95	115	12	13.00 +0.30 +0.00	95.00 -0.036 -0.090	115.00 +0.14 +0.00
MRU-100X113X12.5-E	100	113	12.5	14.00 +0.30 +0.00	100.00 -0.036 -0.090	113.00 +0.14 +0.00
MRU-100X115X10	100	115	10	11.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.14 +0.00
MRU-100X115X11.4-ME	100	115	11.4	12.50 +0.20 +0.00	100.00 -0.036 -0.090	115.00 +0.22 +0.00
MRU-100X115X12-E	100	115	12	13.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.14 +0.00
MRU-100X120X12	100	120	12	13.00 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-100X120X15-E	100	120	15	16.50 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-105X120X9	105	120	9	10.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-105X120X10	105	120	10	11.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-105X125X12	105	125	12	13.00 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.16 +0.00
MRU-105X125X15	105	125	15	16.50 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.16 +0.00
MRU-110X125X9	110	125	9	10.00 +0.30 +0.00	110.00 -0.036 -0.090	125.00 +0.16 +0.00

STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-110X125X9-A	110	125	9	10.00 +0.30 +0.00	110.00 -0.036 -0.090	125.00 +0.16 +0.00
MRU-110X125X10	110	125	10	11.00 +0.30 +0.00	110.00 -0.036 -0.090	125.00 +0.16 +0.00
MRU-110X125X10.9-ME	110	125	10.9	12.00 +0.20 +0.00	110.00 -0.036 -0.090	125.00 +0.25 +0.00
MRU-110X130X10	110	130	10	11.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-110X130X12	110	130	12	13.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-110X130X13	110	130	13	14.50 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-110X130X15	110	130	15	16.50 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-112X127X10	112	127	10	11.00 +0.30 +0.00	112.00 -0.036 -0.090	127.00 +0.16 +0.00
MRU-115X130X9	115	130	9	10.00 +0.30 +0.00	115.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-115X130X10	115	130	10	11.00 +0.30 +0.00	115.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-115X135X12	115	135	12	13.00 +0.30 +0.00	115.00 -0.036 -0.090	135.00 +0.16 +0.00
MRU-118X133X9	118	133	9	10.00 +0.30 +0.00	118.00 -0.036 -0.090	133.00 +0.16 +0.00
MRU-120X135X9	120	135	9	10.00 +0.30 +0.00	120.00 -0.036 -0.090	135.00 +0.16 +0.00
MRU-120X140X10	120	140	10	11.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00
MRU-120X140X12	120	140	12	13.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00
MRU-120X140X13	120	140	13	14.50 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00
MRU-120X140X14.6-ME	120	140	14.6	16.00 +0.20 +0.00	120.00 -0.036 -0.090	140.00 +0.25 +0.00
MRU-120X140X15	120	140	15	16.50 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00
MRU-125X140X10.9-ME	125	140	10.9	12.00 +0.20 +0.00	125.00 -0.043 -0.106	140.00 +0.25 +0.00
MRU-125X145X12	125	145	12	13.00 +0.30 +0.00	125.00 -0.043 -0.106	145.00 +0.16 +0.00
MRU-130X145X9	130	145	9	10.00 +0.30 +0.00	130.00 -0.043 -0.106	145.00 +0.16 +0.00
MRU-130X150X12	130	150	12	13.00 +0.30 +0.00	130.00 -0.043 -0.106	150.00 +0.16 +0.00
MRU-130X150X13	130	150	13	14.50 +0.30 +0.00	130.00 -0.043 -0.106	150.00 +0.16 +0.00
MRU-130X150X16	130	150	16	17.00 +0.30 +0.00	130.00 -0.043 -0.106	150.00 +0.16 +0.00
MRU-135X150X9-A	135	150	9	10.00 +0.30 +0.00	135.00 -0.043 -0.106	150.00 +0.16 +0.00
MRU-140X155X9	140	155	9	10.00 +0.30 +0.00	140.00 -0.043 -0.106	155.00 +0.16 +0.00
MRU-140X160X12	140	160	12	13.00 +0.30 +0.00	140.00 -0.043 -0.106	160.00 +0.16 +0.00
MRU-140X160X14.6-ME	140	160	14.6	16.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 +0.25 +0.00
MRU-145X160X9-A	145	160	9	10.00 +0.30 +0.00	145.00 -0.043 -0.106	160.00 +0.16 +0.00
MRU-150X170X12	150	170	12	13.00 +0.30 +0.00	150.00 -0.043 -0.106	170.00 +0.16 +0.00
MRU-150X170X14.6-ME	150	170	14.6	16.00 +0.20 +0.00	150.00 -0.043 -0.106	170.00 +0.25 +0.00
MRU-150X170X16	150	170	16	17.00 +0.30 +0.00	150.00 -0.043 -0.106	170.00 +0.16 +0.00
MRU-155X170X9-A	155	170	9	10.00 +0.30 +0.00	155.00 -0.043 -0.106	170.00 +0.16 +0.00

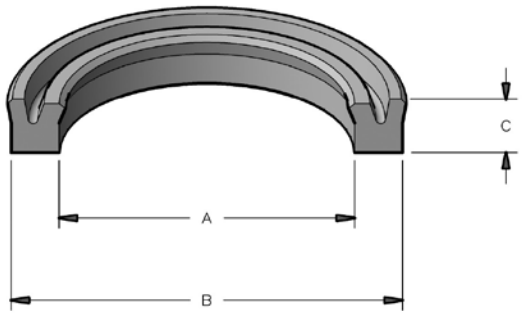
STYLE MRU ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-155X175X9	155	175	9	10.00 +0.30 +0.00	155.00 -0.043 -0.106	175.00 +0.16 +0.00
MRU-160X180X12	160	180	12	13.00 +0.30 +0.00	160.00 -0.043 -0.106	180.00 +0.16 +0.00
MRU-160X180X12-BHT	160	180	12	13.00 +0.30 +0.00	160.00 -0.043 -0.106	180.00 +0.16 +0.00
MRU-160X180X15	160	180	15	16.00 +0.30 +0.00	160.00 -0.043 -0.106	180.00 +0.16 +0.00
MRU-160X185X16	160	185	16	17.00 +0.30 +0.00	160.00 -0.043 -0.106	185.00 +0.185 +0.000
MRU-170X190X12-E	170	190	12	13.00 +0.30 +0.00	170.00 -0.043 -0.106	190.00 +0.185 +0.000
MRU-170X195X16	170	195	16	17.00 +0.30 +0.00	170.00 -0.043 -0.106	195.00 +0.185 +0.000
MRU-180X200X14.6-ME	180	200	14.6	16.00 +0.20 +0.00	180.00 -0.043 -0.106	200.00 +0.29 +0.00
MRU-180X205X16	180	205	16	17.00 +0.30 +0.00	180.00 -0.043 -0.106	205.00 +0.185 +0.000
MRU-200X225X16	200	225	16	17.00 +0.30 +0.00	200.00 -0.050 -0.122	225.00 +0.185 +0.000

Seal color may vary.

STYLE MRU-KYB ROD U-SEALS

MRU-KYB rod u-seals are made to a Kayaba-equivalent design which is commonly used within Caterpillar, Deere/ Hitachi and Volvo cylinders.

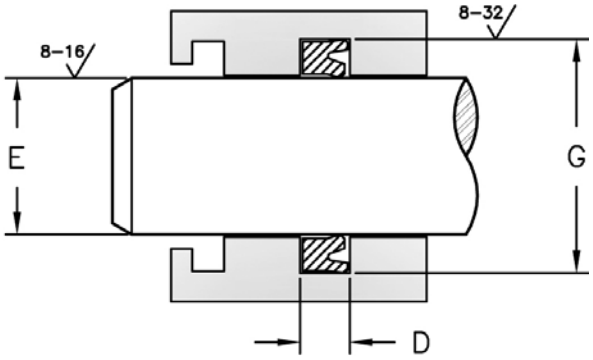


PART NUMBERS

MRU - 80 x 100 x 12-KYB

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-65° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-80X95X9-KYB	80	95	9	10.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.14 +0.00
MRU-80X100X12-KYB	80	100	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.14 +0.00
MRU-85X100X9-KYB	85	100	9	10.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.14 +0.00
MRU-85X105X12-KYB	85	105	12	13.00 +0.30 +0.00	85.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X105X9-KYB	90	105	9	10.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.14 +0.00
MRU-90X110X12-KYB	90	110	12	13.00 +0.30 +0.00	90.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-95X110X9-KYB	95	110	9	10.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.14 +0.00
MRU-95X115X12-KYB	95	115	12	13.00 +0.30 +0.00	95.00 -0.036 -0.090	115.00 +0.14 +0.00
MRU-100X115X9-KYB	100	115	9	10.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.14 +0.00
MRU-100X120X12-KYB	100	120	12	13.00 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-105X120X9-KYB	105	120	9	10.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.14 +0.00
MRU-105X125X12-KYB	105	125	12	13.00 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.16 +0.00
MRU-110X130X12-KYB	110	130	12	13.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRU-115X135X12-KYB	115	135	12	13.00 +0.30 +0.00	115.00 -0.036 -0.090	135.00 +0.16 +0.00
MRU-120X140X12-KYB	120	140	12	13.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00
MRU-125X145X12-KYB	125	145	12	13.00 +0.30 +0.00	125.00 -0.043 -0.106	145.00 +0.16 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

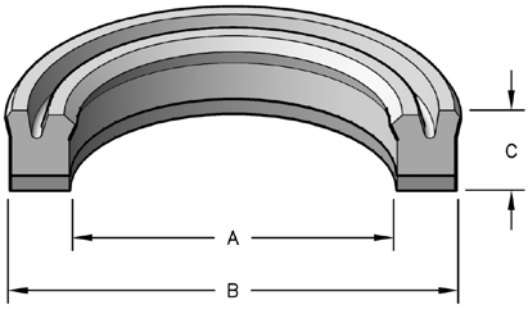
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRU-KYB ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-130X150X12-KYB	130	150	12	13.00 +0.30 +0.00	130.00 -0.043 -0.106	150.00 +0.16 +0.00
MRU-140X160X12-KYB	140	160	12	13.00 +0.30 +0.00	140.00 -0.043 -0.106	160.00 +0.16 +0.00

STYLE MRUB ROD U-SEALS W/BACK-UP RINGS

Molded in a tough urethane, this rod u-seal fits tightly in the groove while providing increased radial force on the rod. The employment of a nylon back-up makes it highly extrusion resistant. GT= GREEN TWEED SEAL

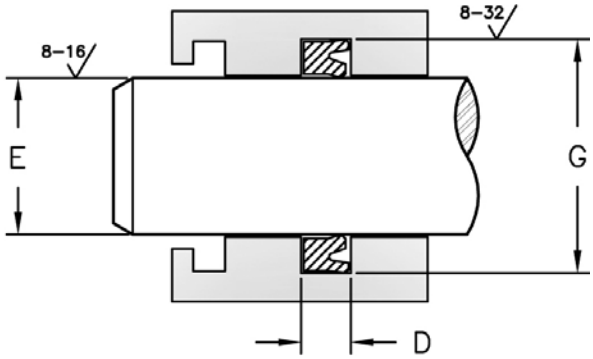


PART NUMBERS

MRUB - 50 x 63 x 13

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE SEAL NYLON BACK-UP
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,500 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUB-50X63X13	50	63	13	14.00 +0.30 +0.00	50.00 -0.025 -0.064	63.00 +0.12 +0.00
MRUB-55X68X13	55	68	13	14.00 +0.30 +0.00	55.00 -0.030 -0.076	68.00 +0.12 +0.00
MRUB-60X73X13.2	60	73	13.2	14.00 +0.30 +0.00	60.00 -0.030 -0.076	73.00 +0.12 +0.00
MRUB-63X78X11.5-GT	63	78	11.5	12.50 +0.30 +0.00	63.00 -0.030 -0.076	78.00 +0.12 +0.00
MRUB-65X78X13.2	65	78	13.2	14.00 +0.30 +0.00	65.00 -0.030 -0.076	78.00 +0.12 +0.00
MRUB-65X80X12	65	80	12	13.00 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.12 +0.00
MRUB-70X83X13.2	70	83	13.2	14.00 +0.30 +0.00	70.00 -0.030 -0.076	83.00 +0.14 +0.00
MRUB-70X86X11.5-GT	70	86	11.5	12.50 +0.30 +0.00	70.00 -0.030 -0.076	86.00 +0.14 +0.00
MRUB-75X88X13.2	75	88	13.2	14.00 +0.30 +0.00	75.00 -0.030 -0.076	88.00 +0.14 +0.00
MRUB-80X93X13.2	80	93	13.2	14.00 +0.30 +0.00	80.00 -0.030 -0.076	93.00 +0.14 +0.00
MRUB-80X95X12	80	95	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.14 +0.00
MRUB-85X100X13.2	85	100	13.2	14.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.14 +0.00
MRUB-90X105X13.2	90	105	13.2	14.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.14 +0.00
MRUB-95X110X13.2	95	110	13.2	14.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.14 +0.00
MRUB-100X115X13.2	100	115	13.2	14.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.14 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

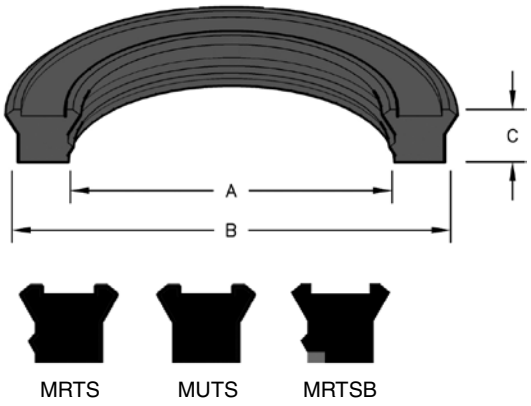
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRUB ROD U-SEALS W/BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUB-105X120X12	105	120	12	13.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.14 +0.00
MRUB-110X130X13	110	130	13	14.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00
MRUB-130X150X16	130	150	16	17.00 +0.30 +0.00	130.00 -0.043 -0.106	150.00 +0.16 +0.00
MRUB-140X160X15	140	160	15	16.00 +0.30 +0.00	140.00 -0.043 -0.106	160.00 +0.16 +0.00
MRUB-160X185X19.5	160	185	19.5	20.50 +0.30 +0.00	160.00 -0.043 -0.106	185.00 +0.185 +0.000
MRUB-180X205X19.5	180	205	19.5	20.50 +0.30 +0.00	180.00 -0.043 -0.106	205.00 +0.185 +0.000
MRUB-200X225X20	200	225	20	21.00 +0.30 +0.00	200.00 -0.050 -0.122	225.00 +0.185 +0.000

STYLE MRTS, MUTS & MRTSB ROD U-SEALS

Designed specifically for rod applications, the short lip design and solid 'U' cavity provide high sealability at low pressure. At the heel, a secondary lip provides stability, friction-reducing lube retention, and some contamination resistance.

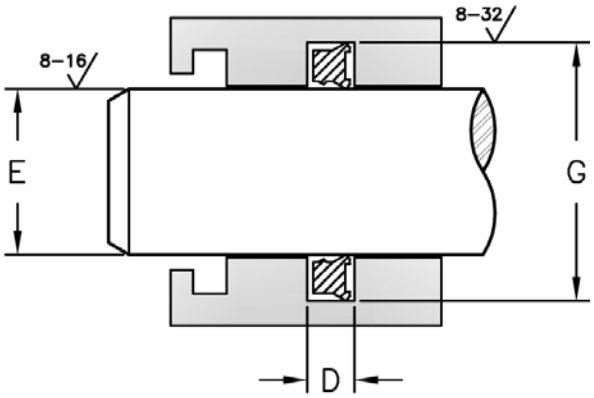


PART NUMBERS

MRTS - 12 x 19 x 5

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTS-12X19X5	12	19	5	6.00 +0.20 +0.00	12.00 -0.016 -0.043	19.00 +0.084 +0.000
MRTS-12X20X5.8	12	20	5.8	6.30 +0.20 +0.00	12.00 -0.016 -0.043	20.00 ±0.042
MRTS-14X21X5	14	21	5	6.00 +0.20 +0.00	14.00 -0.016 -0.043	21.00 +0.084 +0.000
MRTS-16X24X6	16	24	6	6.50 +0.20 +0.00	16.00 -0.016 -0.043	24.00 ±0.042
MRTS-18X25X5	18	25	5	5.50 +0.20 +0.00	18.00 -0.016 -0.043	25.00 ±0.042
MRTS-18X26X5.8	18	26	5.8	6.30 +0.20 +0.00	18.00 -0.016 -0.043	26.00 ±0.042
MRTS-20X28X6.5	20	28	6.5	7.00 +0.20 +0.00	20.00 -0.020 -0.053	28.00 ±0.042
MRTS-22X28X4.5	22	28	4.5	5.00 +0.20 +0.00	22.00 -0.020 -0.053	28.00 ±0.042
MRTS-22X29X5	22	29	5	6.00 +0.20 +0.00	22.00 -0.020 -0.053	29.00 +0.084 +0.000
MRTS-22X30X5.8	22	30	5.8	6.30 +0.20 +0.00	22.00 -0.020 -0.053	30.00 ±0.042
MRTS-22X32X7	22	32	7	7.50 +0.20 +0.00	22.00 -0.020 -0.053	32.00 ±0.05
MRTS-25X33X5.8	25	33	5.8	6.30 +0.20 +0.00	25.00 -0.020 -0.053	33.00 ±0.05
MRTS-25X35X5.8	25	35	5.8	6.30 +0.20 +0.00	25.00 -0.020 -0.053	35.00 ±0.05
MRTS-25X35X7	25	35	7	7.50 +0.20 +0.00	25.00 -0.020 -0.053	35.00 ±0.05

STYLE MRTS, MUTS & MRTSB ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTS-25X35X8	25	35	8	9.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 ±0.05
MRTS-28X36X5.8	28	36	5.8	6.30 +0.20 +0.00	28.00 -0.020 -0.053	36.00 ±0.05
MRTS-28X38X7	28	38	7	7.50 +0.20 +0.00	28.00 -0.020 -0.053	38.00 ±0.05
MRTS-30X38X5.8	30	38	5.8	6.30 +0.20 +0.00	30.00 -0.020 -0.053	38.00 ±0.05
MRTS-30X38X8	30	38	8	9.00 +0.20 +0.00	30.00 -0.020 -0.053	38.00 ±0.05
MRTS-30X40X6.5	30	40	6.5	7.50 +0.20 +0.00	30.00 -0.020 -0.053	40.00 ±0.05
MRTS-30X40X10	30	40	10	11.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 ±0.05
MRTS-32X42X8	32	42	8	9.00 +0.20 +0.00	32.00 -0.025 -0.064	42.00 ±0.05
MRTS-35X43X5.8	35	43	5.8	6.30 +0.20 +0.00	35.00 -0.025 -0.064	43.00 ±0.05
MRTS-35X43X6	35	43	6	6.50 +0.20 +0.00	35.00 -0.025 -0.064	43.00 ±0.05
MRTS-35X43X8	35	43	8	9.00 +0.20 +0.00	35.00 -0.025 -0.064	43.00 ±0.05
MRTS-35X45X7	35	45	7	8.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 +0.10 +0.00
MRTS-35X45X10	35	45	10	11.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.05
MRTS-35X50X10	35	50	10	11.00 +0.20 +0.00	35.00 -0.025 -0.064	50.00 ±0.05
MRTS-36X44X5.7	36	44	5.8	6.30 +0.20 +0.00	36.00 -0.025 -0.064	44.00 ±0.05
MUTS-36X46X10	36	46	10	11.00 +0.20 +0.00	36.00 -0.025 -0.064	46.00 +0.10 +0.00
MRTS-40X48X5.8	40	48	5.8	6.30 +0.20 +0.00	40.00 -0.025 -0.064	48.00 ±0.05
MRTS-40X50X7	40	50	7	7.50 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.05
MRTS-40X50X10	40	50	10	11.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.05
MRTSB-40X50X10	40	50	10	11.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.05
MRTS-42X52X8	42	52	8	9.00 +0.20 +0.00	42.00 -0.025 -0.064	52.00 ±0.06
MRTS-45X53X5.8	45	53	5.8	6.30 +0.20 +0.00	45.00 -0.025 -0.064	53.00 +0.12 +0.00
MRTS-45X53X8	45	53	8	9.00 +0.20 +0.00	45.00 -0.025 -0.064	53.00 ±0.06
MRTS-45X55X7	45	55	7	8.00 +0.25 +0.00	45.00 -0.025 -0.064	55.00 ±0.06
MRTS-45X55X10	45	55	10	11.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 ±0.06
MRTS-46X54X8.2	46	54	8.2	9.20 +0.20 +0.00	46.00 -0.025 -0.064	54.00 ±0.06
MRTS-50X60X7	50	60	7	7.50 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.06
MRTS-50X60X9	50	60	9	10.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.06
MRTS-50X60X10	50	60	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.06
MUTS-50X60X10	50	60	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MRTS-50X65X10	50	65	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	65.00 ±0.06
MRTS-55X65X10	55	65	10	11.00 +0.20 +0.00	55.00 -0.030 -0.076	65.00 ±0.06
MRTS-56X66X6.5	56	66	6.5	7.50 +0.20 +0.00	56.00 -0.030 -0.076	66.00 +0.12 +0.00

STYLE MRTS, MUTS & MRTSB ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTS-56X71X11.5	56	71	11.5	12.50 +0.20 +0.00	56.00 -0.030 -0.076	71.00 ±0.06
MRTS-60X68X8	60	68	8	9.00 +0.20 +0.00	60.00 -0.030 -0.076	68.00 ±0.06
MUTS-60X68X8	60	68	8	9.00 +0.20 +0.00	60.00 -0.030 -0.076	68.00 +0.12 +0.00
MRTS-60X68X11.5	60	68	11.5	12.50 +0.20 +0.00	60.00 -0.030 -0.076	68.00 ±0.06
MRTS-60X70X7	60	70	7	8.00 +0.25 +0.00	60.00 -0.03 -0.06	70.00 +0.12 +0.00
MUTS-60X70X7.2	60	70	7.2	8.00 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.12 +0.00
MRTS-60X70X11.5	60	70	11.5	12.50 +0.20 +0.00	60.00 -0.030 -0.076	70.00 ±0.06
MUTS-60X70X12	60	70	12	13.00 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.12 +0.00
MRTS-60X72X9	60	72	9	10.00 +0.20 +0.00	60.00 -0.030 -0.076	72.00 ±0.06
MRTS-60X75X10	60	75	10	11.00 +0.20 +0.00	60.00 -0.030 -0.076	75.00 ±0.06
MRTS-70X78X8	70	78	8	9.00 +0.20 +0.00	70.00 -0.030 -0.076	78.00 ±0.06
MRTS-70X80X6.5	70	80	6.5	7.50 +0.20 +0.00	70.00 -0.030 -0.076	80.00 +0.12 +0.00
MRTS-70X80X10	70	80	10	11.00 +0.20 +0.00	70.00 -0.030 -0.076	80.00 ±0.06
MRTS-70X85X11.5	70	85	11.5	12.50 +0.20 +0.00	70.00 -0.030 -0.076	85.00 +0.14 +0.00
MRTSB-70X85X12	70	85	12	13.00 +0.20 +0.00	70.00 -0.030 -0.076	85.00 ±0.07
MRTS-75X83X8	75	83	8	9.00 +0.20 +0.00	75.00 -0.030 -0.076	83.00 ±0.07
MRTS-75X85X7	75	85	7	7.50 +0.20 +0.00	75.00 -0.030 -0.076	85.00 ±0.07
MRTS-75X90X10.5	75	90	10.5	11.50 +0.20 +0.00	75.00 -0.030 -0.076	90.00 ±0.07
MRTS-80X88X8	80	88	8	9.00 +0.20 +0.00	80.00 -0.030 -0.076	88.00 ±0.07
MUTS-80X90X12	80	90	12	13.00 +0.20 +0.00	80.00 -0.030 -0.076	90.00 +0.14 +0.00
MRTS-80X92X9	80	92	9	10.00 +0.20 +0.00	80.00 -0.030 -0.076	92.00 ±0.07
MRTS-80X95X11	80	95	11	12.00 +0.20 +0.00	80.00 -0.030 -0.076	95.00 ±0.07
MRTSB-80X95X11.5	80	95	11.5	12.50 +0.20 +0.00	80.00 -0.030 -0.076	95.00 ±0.07
MRTS-80X96X9.5	80	96	9.5	10.50 +0.20 +0.00	80.00 -0.030 -0.076	96.00 ±0.07
MRTS-85X93X8	85	93	8	9.00 +0.20 +0.00	85.00 -0.036 -0.090	93.00 ±0.07
MRTS-90X102X9	90	102	9	10.00 +0.20 +0.00	90.00 -0.036 -0.090	102.00 ±0.07
MRTS-90X105X11.5	90	105	11.5	12.50 +0.20 +0.00	90.00 -0.036 -0.090	105.00 ±0.07
MRTS-90X110X14	90	110	14	15.00 +0.20 +0.00	90.00 -0.036 -0.090	110.00 ±0.07
MRTS-100X108X8	100	108	8	9.00 +0.20 +0.00	100.00 -0.036 -0.090	108.00 ±0.07
MRTS-100X115X12	100	115	12	13.00 +0.20 +0.00	100.00 -0.036 -0.090	115.00 ±0.07
MRTS-110X120X11.5	110	120	11.5	12.50 +0.20 +0.00	110.00 -0.036 -0.090	120.00 ±0.07
MRTS-110X125X11.3	110	125	11.3	12.30 +0.20 +0.00	110.00 -0.036 -0.090	125.00 ±0.08
MRTSB-115X130X15	115	130	15	16.00 +0.20 +0.00	115.00 -0.036 -0.090	130.00 ±0.08

Seal color may vary.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

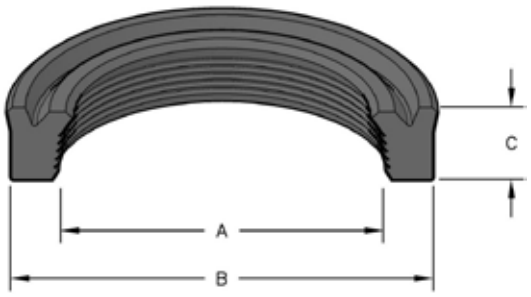
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MRTS, MUTS & MRTSB ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRTS-120X128X8	120	128	8	9.00 +0.20 +0.00	120.00 -0.036 -0.090	128.00 ±0.08

STYLE MRU-LF ROD U-SEALS

Style MRU-LF rod seal is ideal in situations that require a low friction seal. This style seal reduces stick-slip, while maintaining excellent static and dynamic performance.

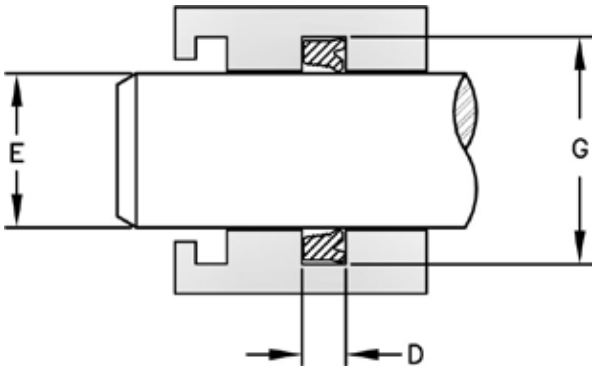


PART NUMBERS

MRU - 22 x 30 x 5.7-LF

Type of Seal | Inside Diameter | Outside Diameter | Height

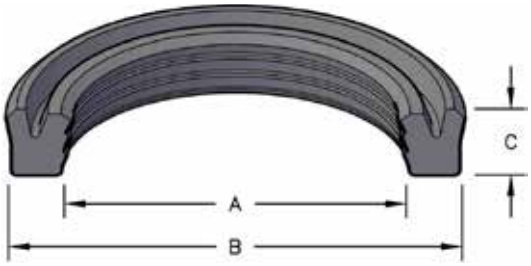
SEAL INFORMATION	
MATERIAL	94 A POLYURETHANE
TEMPERATURE RANGE	-22° TO +230° F
PRESSURE RANGE	0 TO 4,600 PSI
SPEED	2 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRU-22X30X5.7-LF	22	30	5.7	6.30 +0.20 +0.00	22.00 -0.020 -0.053	30.00 +0.13 +0.00
MRU-28X38X7.3-LF	28	38	7.3	8.00 +0.30 +0.00	28.00 -0.020 -0.053	38.00 +0.16 +0.00
MRU-30X40X7.3-LF	30	40	7.3	8.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.16 +0.00
MRU-32X42X7.3-LF	32	42	7.3	8.00 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.16 +0.00
MRU-40X50X7.3-LF	40	50	7.3	8.00 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.16 +0.00
MRU-45X55X7.3-LF	45	55	7.3	8.00 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.19 +0.00
MRU-50X60X7.3-LF	50	60	7.3	8.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.19 +0.00
MRU-55X65X7.3-LF	55	65	7.3	8.00 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.19 +0.00
MRU-60X70X7.3-LF	60	70	7.3	8.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.19 +0.00
MRU-70X80X7.3-LF	70	80	7.3	8.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.19 +0.00

STYLE MHMU ROD U-SEALS

The MHMU style multi-lip rod u-seal combines the pressure-compensating, uni-directional characteristics of a u-seal with the multi-lip sealing effectiveness of compression-type stacked packings. Made from premium materials, the MHMU utilizes several sealing lip edges for dry rod performance while minimizing friction. The multi-lip design maintains a critical sealing edge even though increasing pressure moves the line of contact down toward the heel.

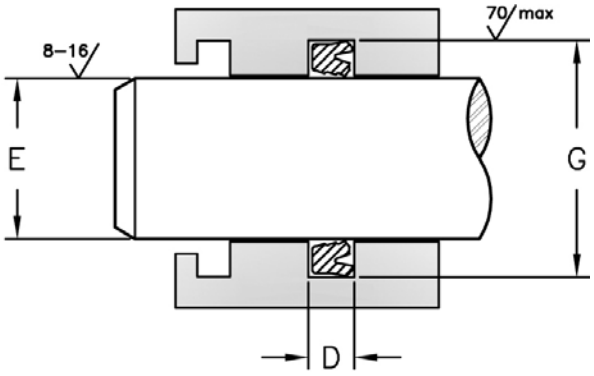


PART NUMBERS

MHMU - 12 x 19 x 5

Type of Seal | Inside Diameter | Outside Diameter | Height

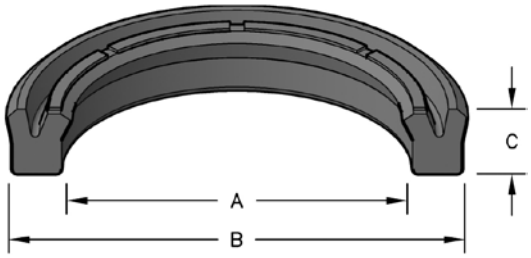
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-50 TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MHMU-12X19X5U	12	19	5	5.60 +0.25 +0.00	12.00 -0.016 -0.059	19.00 ±0.065
MHMU-14X21X5U	14	21	5	5.60 +0.25 +0.00	14.00 -0.016 -0.059	21.00 ±0.065
MHMU-18X25X5U	18	25	5	5.60 +0.25 +0.00	18.00 -0.016 -0.059	25.00 ±0.065
MHMU-22X29X5U	22	29	5	5.60 +0.25 +0.00	22.00 -0.020 -0.072	29.00 ±0.065
MHMU-28X36X5.7U	28	36	5.7	6.30 +0.25 +0.00	28.00 -0.020 -0.072	36.00 ±0.08
MHMU-36X44X5.7U	36	44	5.7	6.30 +0.25 +0.00	36.00 -0.025 -0.087	44.00 ±0.08
MHMU-45X53X5.7U	45	53	5.7	6.30 +0.25 +0.00	45.00 -0.025 -0.087	53.00 ±0.095
MHMU-56X66X6.5U	56	66	6.5	7.50 +0.25 +0.00	56.00 -0.030 -0.104	66.00 ±0.095
MHMU-70X80X6.5U	70	80	6.5	7.50 +0.25 +0.00	70.00 -0.030 -0.104	80.00 ±0.095
MHMU-90X100X6.5U	90	100	6.5	7.50 +0.25 +0.00	90.00 -0.036 -0.123	100.00 ±0.11
MHMU-110X125X9.6U	110	125	9.6	10.60 +0.25 +0.00	110.00 -0.036 -0.123	125.00 ±0.125
MHMU-140X155X9.6U	140	155	9.6	10.60 +0.25 +0.00	140.00 -0.043 -0.143	155.00 ±0.125

STYLE MRUN ROD U-SEALS

The MRUN Rod U-seal is designed with improved oil resistance and compression set versus urethane seals. The addition of a u-seal back-up ring will increase the pressure range of the seal from 2,000 psi to 3,000 psi.



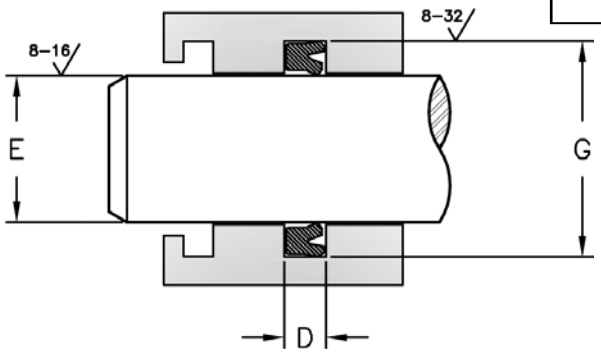
A = ALTERNATIVE TO NOK
HT = HIGH TEMPERATURE NITRILE (-13° F TO +248° F
LT = LOW TEMPERATURE NITRILE (-67° F TO +176° F)

PART NUMBERS

MRUN - 20 X 28 X 5-LT

Type of Seal | Rod Diameter | Groove Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-8° F TO +212° F
PRESSURE RANGE	0 TO 2,000 psi W/O BACK-UP 0 TO 3,000 psi W/ BACK-UP
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUN-20X28X5-LT	20	28	5	5.70 ±0.20	20.00 -0.020 -0.053	28.00 +0.00 -0.20
MRUN-22.4X30.4X5	22.4	30.4	5	5.70 ±0.20	22.40 -0.020 -0.053	30.40 +0.00 -0.20
MRUN-25X33X5	25	33	5	5.70 ±0.20	25.00 -0.020 -0.053	33.00 +0.00 -0.20
MRUN-30X40X6	30	40	6	7.00 ±0.20	30.00 -0.020 -0.053	40.00 +0.00 -0.20
MRUN-30X40X7	30	40	7	8.00 ±0.20	30.00 -0.020 -0.053	40.00 +0.00 -0.20
MRUN-32X42X6	32	42	6	7.00 ±0.20	32.00 -0.025 -0.064	42.00 +0.00 -0.20
MRUN-35X45X7	35	45	7	8.00 ±0.20	35.00 -0.025 -0.064	45.00 +0.00 -0.20
MRUN-40X50X6	40	50	6	7.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20
MRUN-40X50X7	40	50	7	8.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20
MRUN-40X50X8	40	50	8	9.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20
MRUN-45X55X6	45	55	6	7.00 ±0.20	45.00 -0.025 -0.064	55.00 +0.00 -0.20
MRUN-45X55X7	45	55	7	8.00 ±0.20	45.00 -0.025 -0.064	55.00 +0.00 -0.20
MRUN-45X56X7	45	56	7	8.00 ±0.20	45.00 -0.025 -0.064	56.00 +0.00 -0.20
MRUN-50X60X6	50	60	6	7.00 ±0.20	50.00 -0.025 -0.064	60.00 +0.00 -0.20
MRUN-50X63X8	50	63	8	9.00 ±0.20	50.00 -0.025 -0.064	63.00 +0.00 -0.20

STYLE MRUN ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUN-50X63X10	50	63	10	11.00 ±0.20	50.00 -0.025 -0.064	63.00 +0.00 -0.20
MRUN-55X65X6	55	65	6	7.00 ±0.20	55.00 -0.030 -0.076	65.00 +0.00 -0.20
MRUN-55X65X6.5-HT	55	65	6.5	7.50 ±0.20	55.00 -0.030 -0.076	65.00 +0.00 -0.20
MRUN-55X68X10	55	68	10	11.00 ±0.20	55.00 -0.030 -0.076	68.00 +0.00 -0.20
MRUN-55X68X10-HT	55	68	10	11.00 ±0.20	55.00 -0.030 -0.076	68.00 +0.00 -0.20
MRUN-56X66X6	56	66	6	7.00 ±0.20	56.00 -0.030 -0.076	66.00 +0.00 -0.20
MRUN-60X70X6	60	70	6	7.00 ±0.20	60.00 -0.030 -0.076	70.00 +0.00 -0.20
MRUN-60X73X10	60	73	10	11.00 ±0.20	60.00 -0.030 -0.076	73.00 +0.00 -0.20
MRUN-60X73X10-HT	60	73	10	11.00 ±0.20	60.00 -0.030 -0.076	73.00 +0.00 -0.20
MRUN-65X78X10	65	78	10	11.00 ±0.20	65.00 -0.030 -0.076	78.00 +0.00 -0.20
MRUN-65X78X10-HT	65	78	10	11.00 ±0.20	65.00 -0.030 -0.076	78.00 +0.00 -0.20
MRUN-70X80X6	70	80	6	7.00 ±0.20	70.00 -0.030 -0.076	80.00 +0.00 -0.20
MRUN-70X83X10	70	83	10	11.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUN-70X83X10-HT	70	83	10	11.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUN-70X83X10-LT	70	83	10	11.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUN-70X85X9	70	85	9	10.00 ±0.20	70.00 -0.030 -0.076	85.00 +0.00 -0.20
MRUN-70X85X9-HT	70	85	9	10.00 ±0.20	70.00 -0.030 -0.076	85.00 +0.00 -0.20
MRUN-75X88X10	75	88	10	11.00 ±0.20	75.00 -0.030 -0.076	88.00 +0.00 -0.20
MRUN-75X88X10-A	75	88	10	11.00 ±0.20	75.00 -0.030 -0.076	88.00 +0.00 -0.20
MRUN-75X88X10-HT	75	88	10	11.00 ±0.20	75.00 -0.030 -0.076	88.00 +0.00 -0.20
MRUN-75X90X9-HT	75	90	9	10.00 ±0.20	75.00 -0.030 -0.076	90.00 +0.00 -0.20
MRUN-80X93X10	80	93	10	11.00 ±0.20	80.00 -0.030 -0.076	93.00 +0.00 -0.20
MRUN-80X93X10-A	80	93	10	11.00 ±0.20	80.00 -0.030 -0.076	93.00 +0.00 -0.20
MRUN-80X93X10-HT	80	93	10	11.00 ±0.20	80.00 -0.030 -0.076	93.00 +0.00 -0.20
MRUN-80X95X9	80	95	9	10.00 ±0.20	80.00 -0.030 -0.076	95.00 +0.00 -0.20
MRUN-80X95X9-HT	80	95	9	10.00 ±0.20	80.00 -0.030 -0.076	95.00 +0.00 -0.20
MRUN-85X100X9-HT	85	100	9	10.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20
MRUN-85X100X10	85	100	10	11.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20
MRUN-85X100X10-A	85	100	10	11.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20
MRUN-85X100X10-HT-A	85	100	10	11.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20
MRUN-85X105X12-HT	85	105	12	13.00 ±0.20	85.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUN-90X105X9	90	105	9	10.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUN-90X105X10	90	105	10	11.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20

STYLE MRUN ROD U-SEALS

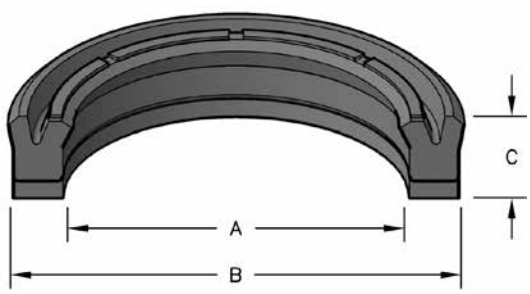
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUN-90X105X10-A	90	105	10	11.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUN-90X105X10-HT	90	105	10	11.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUN-90X110X12	90	110	12	13.00 ±0.20	90.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUN-95X110X9	95	110	9	10.00 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUN-95X110X10-A	95	110	10	11.00 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUN-95X110X10-HT-A	95	110	10	11.00 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUN-95X110X10.5	95	110	10.5	11.50 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUN-95X115X12	95	115	12	13.00 ±0.20	95.00 -0.036 -0.090	115.00 +0.00 -0.20
MRUN-100X115X9	100	115	9	10.00 ±0.20	100.00 -0.036 -0.090	115.00 +0.00 -0.20
MRUN-100X115X10	100	115	10	11.00 ±0.20	100.00 -0.036 -0.090	115.00 +0.00 -0.20
MRUN-100X115X10-HT-A	100	115	10	11.00 ±0.20	100.00 -0.036 -0.090	115.00 +0.00 -0.20
MRUN-100X120X12-HT	100	120	12	13.00 ±0.20	100.00 -0.036 -0.090	120.00 +0.00 -0.20
MRUN-105X120X9	105	120	9	10.00 ±0.20	105.00 -0.036 -0.090	120.00 +0.00 -0.20
MRUN-105X120X10	105	120	10	11.00 ±0.20	105.00 -0.036 -0.090	120.00 +0.00 -0.20
MRUN-105X125X15	105	125	15	16.00 ±0.20	105.00 -0.036 -0.090	125.00 +0.00 -0.20
MRUN-110X125X9	110	125	9	10.00 ±0.20	110.00 -0.036 -0.090	125.00 +0.00 -0.20
MRUN-110X125X10	110	125	10	11.00 ±0.20	110.00 -0.036 -0.090	125.00 +0.00 -0.20
MRUN-110X125X10-HT	110	125	10	11.00 ±0.20	110.00 -0.036 -0.090	125.00 +0.00 -0.20
MRUN-110X125X10-LT	110	125	10	11.00 ±0.20	110.00 -0.036 -0.090	125.00 +0.00 -0.20
MRUN-110X130X10	110	130	10	11.00 ±0.20	110.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-110X130X10-A	110	130	10	11.00 ±0.20	110.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-115X130X9	115	130	9	10.00 ±0.20	115.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-115X130X10	115	130	10	11.00 ±0.20	115.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-115X130X10-HT	115	130	10	11.00 ±0.20	115.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-115X130X10-LT	115	130	10	11.00 ±0.20	115.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUN-115X135X12	115	135	12	13.00 ±0.20	115.00 -0.036 -0.090	135.00 +0.00 -0.20
MRUN-115X135X12-HT	115	135	12	13.00 ±0.20	115.00 -0.036 -0.090	135.00 +0.00 -0.20
MRUN-115X135X16-HT	115	135	16	17.00 ±0.20	115.00 -0.036 -0.090	135.00 +0.00 -0.20
MRUN-120X140X10	120	140	10	11.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.00 -0.20
MRUN-120X140X12-HT	120	140	12	13.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.00 -0.20
MRUN-125X140X9	125	140	9	10.00 ±0.20	125.00 -0.043 -0.106	140.00 +0.00 -0.20
MRUN-125X145X12	125	145	12	13.00 ±0.20	125.00 -0.043 -0.106	145.00 +0.00 -0.20
MRUN-125X145X12-HT	125	145	12	13.00 ±0.20	125.00 -0.043 -0.106	145.00 +0.00 -0.20

STYLE MRUN ROD U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUN-130X145X10	130	145	10	11.00 ±0.20	130.00 -0.043 -0.106	145.00 +0.00 -0.20
MRUN-130X150X12	130	150	12	13.00 ±0.20	130.00 -0.043 -0.106	150.00 +0.00 -0.20
MRUN-130X150X12-HT	130	150	12	13.00 ±0.20	130.00 -0.043 -0.106	150.00 +0.00 -0.20
MRUN-140X155X10	140	155	10	11.00 ±0.20	140.00 -0.043 -0.106	155.00 +0.00 -0.20
MRUN-140X155X10-HT-A	140	155	10	11.00 ±0.20	140.00 -0.043 -0.106	155.00 +0.00 -0.20
MRUN-140X160X12	140	160	12	13.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUN-140X160X12-HT	140	160	12	13.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUN-145X160X10	145	160	10	11.00 ±0.20	145.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUN-150X165X9	150	165	9	10.00 ±0.20	150.00 -0.043 -0.106	165.00 +0.00 -0.20
MRUN-150X165X10	150	165	10	11.00 ±0.20	150.00 -0.043 -0.106	165.00 +0.00 -0.20
MRUN-150X170X12-HT	150	170	12	13.00 ±0.20	150.00 -0.043 -0.106	170.00 +0.00 -0.20
MRUN-160X180X12	160	180	12	13.00 ±0.20	160.00 -0.043 -0.106	180.00 +0.00 -0.20
MRUN-160X180X12-HT	160	180	12	13.00 ±0.20	160.00 -0.043 -0.106	180.00 +0.00 -0.20
MRUN-170X195X15.5	170	195	15.5	16.50 ±0.20	170.00 -0.043 -0.106	195.00 +0.00 -0.20
MRUN-180X205X15.5	180	205	15.5	16.50 ±0.20	180.00 -0.043 -0.106	205.00 +0.00 -0.20
MRUN-190X215X16	190	215	16	17.00 ±0.20	190.00 -0.050 -0.122	215.00 +0.00 -0.20
MRUN-200X225X16	200	225	16	17.00 ±0.20	200.00 -0.050 -0.122	225.00 +0.00 -0.20

STYLE MRUNB ROD U-SEAL WITH BACK-UP RINGS

The MRUNB Rod U-seal is designed to prevent extrusion damage. The addition of the u-seal back-up ring increases the pressure range of the seal from 2,000 psi to 3,000 psi.



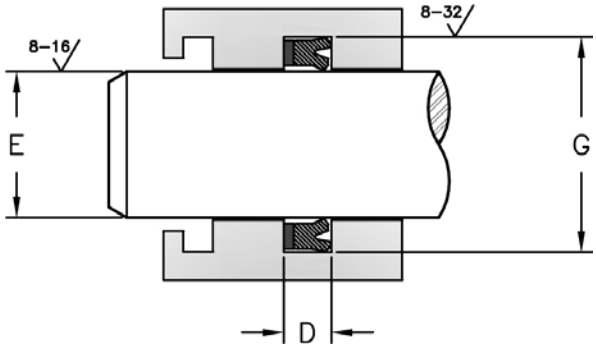
PART NUMBERS

MRUNB - 20 x 28 x 7-LT

- MRUNB — Type of Seal
- 20 — Inside Diameter
- 28 — Outside Diameter
- 7-LT — Height

HT = HIgh Temperature Nitrile
LT = Low Temperature Nitrile
U = Urethane Back-Up Ring

SEAL INFORMATION	
MATERIAL	NITRILE AND PTFE
TEMPERATURE RANGE	-13° F TO +212° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUNB-20X28X7-LT	20	28	7	8.00 ±0.20	20.00 -0.020 -0.053	28.00 +0.00 -0.20
MRUNB-25X33X7	25	33	7	7.70 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.00 -0.20
MRUNB-30X40X10	30	40	10	11.00 ±0.20	30.00 -0.020 -0.053	40.00 +0.00 -0.20
MRUNB-40X50X10	40	50	10	11.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20
MRUNB-40X50X10-HT	40	50	10	11.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20
MRUNB-45X55X10	45	55	10	11.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.00 -0.20
MRUNB-45X55X10U	45	55	10	11.00 ±0.20	45.00 -0.025 -0.064	55.00 +0.00 -0.20
MRUNB-45X56X10	45	56	10	11.00 ±0.20	45.00 -0.025 -0.064	56.00 +0.00 -0.20
MRUNB-50X60X9.5	50	60	9.5	10.50 ±0.20	50.00 -0.025 -0.064	60.00 +0.00 -0.20
MRUNB-50X63X13	50	63	13	14.00 ±0.20	50.00 -0.025 -0.064	63.00 +0.00 -0.20
MRUNB-55X65X9.5-HT	55	65	9.5	10.50 ±0.20	55.00 -0.030 -0.076	65.00 +0.00 -0.20
MRUNB-55X68X13	55	68	13	14.00 ±0.20	55.00 -0.030 -0.076	68.00 +0.00 -0.20
MRUNB-60X73X13	60	73	13	14.00 ±0.20	60.00 -0.030 -0.076	73.00 +0.00 -0.20
MRUNB-60X73X13U-HT	60	73	13	14.00 ±0.20	60.00 -0.030 -0.076	73.00 +0.00 -0.20
MRUNB-65X78X13	65	78	13	14.00 ±0.20	65.00 -0.030 -0.076	78.00 +0.00 -0.20
MRUNB-65X78X13U-HT	65	78	13	14.00 ±0.20	65.00 -0.030 -0.076	78.00 +0.00 -0.20

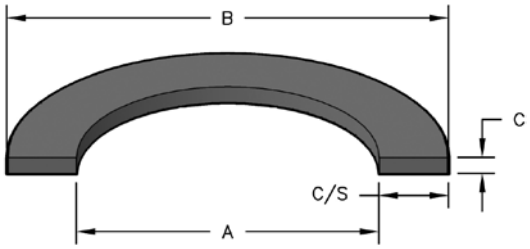
Seal color may vary.

STYLE MRUNB ROD U-SEAL WITH BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MRUNB-70X83X13	70	83	13	14.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUNB-70X83X13-LT	70	83	13	14.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUNB-70X83X13U-HT	70	83	13	14.00 ±0.20	70.00 -0.030 -0.076	83.00 +0.00 -0.20
MRUNB-75X88X13	75	88	13	14.00 ±0.20	75.00 -0.030 -0.076	88.00 +0.00 -0.20
MRUNB-80X93X13	80	93	13	14.00 ±0.20	80.00 -0.030 -0.076	93.00 +0.00 -0.20
MRUNB-85X100X13	85	100	13	14.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20
MRUNB-90X105X13	90	105	13	14.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUNB-90X105X13U-HT	90	105	13	14.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20
MRUNB-95X110X13.5	95	110	13.5	14.50 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20
MRUNB-100X115X13	100	115	13	14.00 ±0.20	100.00 -0.036 -0.090	115.00 +0.00 -0.20
MRUNB-110X130X13	110	130	13	14.00 ±0.20	110.00 -0.036 -0.090	130.00 +0.00 -0.20
MRUNB-110X130X15	110	130	15	16.00 ±0.20	110.00 -0.036 -0.090	130.00 +0.00 -0.02
MRUNB-115X135X15U-HT	115	135	15	16.00 ±0.20	115.00 -0.036 -0.090	135.00 +0.00 -0.20
MRUNB-115X135X16	115	135	16	17.00 ±0.20	115.00 -100.036 -0.090	135.00 +0.00 -0.20
MRUNB-120X140X13	120	140	13	14.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.00 -0.20
MRUNB-120X140X15U-HT	120	140	15	16.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.00 -0.20
MRUNB-125X145X16-HT	125	145	16	17.00 ±0.20	125.00 -0.043 -0.106	145.00 +0.00 -0.20
MRUNB-130X150X16	130	150	16	17.00 ±0.20	130.00 -0.043 -0.106	150.00 +0.00 -0.20
MRUNB-130X150X16-HT	130	150	16	17.00 ±0.20	130.00 -0.043 -0.106	150.00 +0.00 -0.20
MRUNB-140X160X16	140	160	16	17.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUNB-140X160X16-HT	140	160	16	17.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUNB-140X160X16U-HT	140	160	16	17.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.00 -0.20
MRUNB-150X170X16-HT	150	170	16	17.00 ±0.20	150.00 -0.043 -0.106	170.00 +0.00 -0.20
MRUNB-160X180X16	160	180	16	17.00 ±0.20	160.00 -0.043 -0.106	180.00 +0.00 -0.20
MRUNB-160X180X16U-HT	160	180	16	17.00 ±0.20	160.00 -0.043 -0.106	180.00 +0.00 -0.20
MRUNB-170X195X19.5	170	195	19.5	20.50 ±0.20	170.00 -0.043 -0.106	195.00 +0.00 -0.20
MRUNB-180X205X19.5	180	205	19.5	20.50 ±0.20	180.00 -0.043 -0.106	205.00 +0.00 -0.20
MRUNB-190X215X20	190	215	20	21.00 ±0.20	190.00 -0.050 -0.122	215.00 +0.00 -0.20
MRUNB-200X225X20	200	225	20	21.00 ±0.20	200.00 -0.050 -0.122	225.00 +0.00 -0.20

STYLE MBN U-SEAL BACK-UP RINGS

Hard nylon back-up rings for use with U-seals.



PART NUMBERS

MBN - 75 X 2.5 X 2.5

- MBN: Type of Seal
- 75: Inside Diameter
- 2.5: Cross Section
- 2.5: Width

SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-67° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
2.5mm C/S			
MBN-75X2.5X2.5	75	80	2.5
3mm C/S			
MBN-44X3X1.25	44	50	1.25
3.7mm C/S			
MBN-28X3.7X1.5	28	35.4	1.5
4mm C/S			
MBN-40X4X1.4	40	48	1.4
MBN-42X4X1.5	42	50	1.5
4.75mm C/S			
MBN-201.2X4.75X2	201.2	210.7	2
4.9mm C/S			
MBU-65.5X4.9X1.9-70D	65.5	75.3	1.9
5mm C/S			
MBN-25X5X2	25	35	2
MBN-30X5X3	30	40	3
MBN-35X5X1.8	35	45	1.8
MBN-40X5X1.5	40	50	1.5
MBN-40X5X2.5	40	50	2.5
MBN-50X5X1.6	50	60	1.6
MBN-50X5X1.9	50	60	1.9
MBN-70X5X1.9S	70	80	1.9
MBN-70X5X3	70	80	3
MBN-75X5X3	75	85	3
MBN-80X5X1.9S	80	90	1.9
MBN-80X5X3	80	90	3
MBN-90X5X1.9S	90	100	1.9
MBN-117X5X4	117	127	4
MBN-120X5X2	120	130	2
MBH-130X5X2	130	140	2
MBN-132X5X4	132	142	4
MBN-145X5X4	145	155	4
MBN-155X5X4	155	165	4
MBH-170X5X2.5	170	180	2.5
5.2mm C/S			
MBN-179.8X5.2X1.9	179.8	190.2	1.9
5.5mm C/S			
MBN-45X5.5X2.5	45	56	2.5

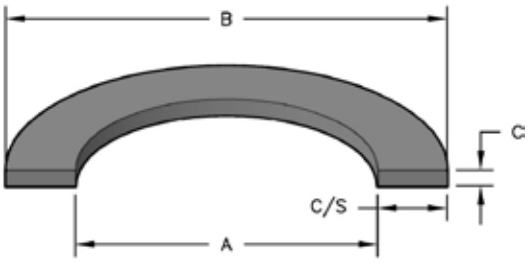
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBN-63X6X1.5	63	75	1.5
6.5mm C/S			
MBN-50X6.5X3	50	63	3
MBN-55X6.5X3	55	68	3
MBN-60X6.5X3	60	73	3
MBN-65X6.5X3	65	78	3
MBN-70X6.5X3	70	83	3
MBN-75X6.5X3	75	88	3
MBN-80X6.5X3	80	93	3
6.63mm C/S			
MBN-80.24X6.63X2.5	80.24	93.5	2.5
6.75mm C/S			
MBN-115.4X6.75X2.5	115.4	128.9	2.5
7.5mm C/S			
MBN-45X7.5X3	45	60	3
MBN-50X7.5X2	50	65	2
MBN-50X7.5X2.5	50	65	2.5
MBN-50X7.5X3	50	65	3
MBN-60X7.5X2.5	60	75	2.5
MBN-65X7.5X3	65	80	3
MBN-70X7.5X1.6	70	85	1.6
MBN-70X7.5X3	70	85	3
MBN-75X7.5X3	75	90	3
MBN-80X7.5X3	80	95	3
MBN-85X7.5X1.9	85	100	1.9
MBN-85X7.5X3	85	100	3
MBN-90X7.5X3	90	105	3
MBN-95X7.5X3	95	110	3
MBN-100X7.5X3	100	115	3
MBN-105X7.5X3	105	120	3
MBN-110X7.5X3	110	125	3
MBN-120X7.5X3	120	135	3
MBN-140X7.5X3	140	155	3
8mm C/S			
MBN-55X8X3	55	71	3
MBN-60X8X3	60	76	3
10mm C/S			
MBN-55X10X3	55	75	3
MBN-60X10X3	60	80	3
MBN-70X10X3	70	90	3

STYLE MBN U-SEAL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBN-75X10X3	75	95	3
MBN-80X10X2	80	100	2
MBN-80X10X3	80	100	3
MBN-85X10X3	85	105	3
MBN-90X10X3	90	110	3
MBN-95X10X3	95	115	3
MBN-100X10X3	100	120	3
MBN-105X10X3	105	125	3
MBN-110X10X3	110	130	3
MBN-120X10X3	120	140	3
MBN-120X10X2	120	140	4
MBN-125X10X3	125	145	3
MBN-130X10X3	130	150	3
MBN-140X10X3	140	160	3
MBN-150X10X3	150	170	3
MBN-160X10X3	160	180	3
MBN-170X10X5	170	190	5
12.3mm C/S			
MBN-181.1X12.3X4	181.1	205.7	4
12.5mm C/S			
MBN-160X12.5X3	160	185	3
MBN-160X12.5X3.5	160	185	3.5
MBN-170X12.5X3	170	195	3
MBN-180X12.5X3.5	180	205	3.5

STYLE MBT U-SEAL BACK-UP RINGS

Filled PTFE back-up rings primarily used with U-seals.



S = Split Ring
B = Bronze Filled PTFE
G = Glass Filled PTFE
M = Moly Filled PTFE

PART NUMBERS

MBT- 12 x 19 x 5

Type of Seal | Inside Diameter | Cross Section | Width

SEAL INFORMATION	
MATERIAL	FILLED PTFE
TEMPERATURE RANGE	-100° TO +500° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
3.15mm C/S			
MBT-12X3.15X1.5	12	18.3	1.5
MBT-14X3.15X1.5	14	20.3	1.5
3.5mm C/S			
MBT-18X3.5X1.5	18	25	1.5
MBT-22X3.5X1.5	22	29	1.5
3.75mm C/S			
MBT-28X3.75X3SB	28	35.5	3
3.8mm C/S			
MBT-63.5X3.8X4.3SB	63.5	71.1	4.3
4mm C/S			
MBT-16X4X2SB	16	24	2
MBT-18X4X2SB	18	26	2
MBT-22X4X1SG	22	30	1
MBT-23.5X4X2SB	23.5	31.5	2
MBT-25X4X1SG	25	33	1
MBT-25X4X2SB	25	33	2
MBT-28X4X1.5	28	36	1.5
MBT-32X4X1SG	32	40	1
MBT-36X4X1.5	36	44	1.5
MBT-45X4X1.5	45	53	1.5
4.5mm C/S			
MBT-71X4.5X3SB	71	80	3
4.75mm C/S			
MBT-35.5X4.75X3SB	35.5	45	3
4.8mm C/S			
MBT-32X4.8X1.5SG	32	41.6	1.5
5mm C/S			
MBT-8X5X2SB	8	18	2
MBT-10X5X2SB	10	20	2
MBT-14X5X2SB	14	24	2
MBT-15X5X2SB	15	25	2
MBT-16X5X2SB	16	26	2
MBT-18X5X2SB	18	28	2
MBT-20X5X2SB	20	30	2
MBT-25X5X2SB	25	35	2
MBT-30X5X1.5SG	30	40	1.5

Seal color may vary.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-30X5X1.9SB	30	40	1.9
MBT-30X5X3SB	30	40	3
MBT-32X5X2SG	32	42	2
MBT-35X5X1.5SG	35	45	1.5
MBT-35X5X2SG	35	45	2
MBT-35X5X3SB	35	45	3
MBT-38X5X3SB	38	48	3
MBT-40X5X0.5	40	50	.5
MBT-40X5X1.5	40	50	1.5
MBT-40X5X2SG	40	50	2
MBT-40X5X3SB	40	50	3
MBT-45X5X1.5SG	45	55	1.5
MBT-45X5X2SGM	45	55	2
MBT-45X5X3SGM	45	55	3
MBT-50X5X1.5SG	50	60	1.5
MBT-50X5X3SB	50	60	3
MBT-50X5X3.5SB	50	60	3.5
MBT-53X5X2SG	53	63	2
MBT-55X5X1.5SG	55	65	1.5
MBT-55X5X3SB	55	65	3
MBT-56X5X1.5	56	66	1.5
MBT-56X5X3SB	56	66	3
MBT-60X5X1.5SG	60	70	1.5
MBT-60X5X3SB	60	70	3
MBT-63X5X3SB	63	73	3
MBT-65X5X1.5SG	65	75	1.5
MBT-65X5X3SB	65	75	3
MBT-67X5X3SB	67	77	3
MBT-70X5X1.5	70	80	1.5
MBT-70X5X1.5SG	70	80	1.5
MBT-70X5X3SB	70	80	3
MBT-71X5X3SB	71	81	3
MBT-75X5X1.5SG	75	85	1.5
MBT-75X5X2SG	75	85	2
MBT-75X5X3SB	75	85	3
MBT-80X5X3SB	80	90	3
MBT-90X5X2SG	90	100	2
MBT-187X5X2B	187	197	2
MBT-215X5X2B	215	225	2
5.3mm C/S			

STYLE MBT U-SEAL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-22.4X5.3X2SB	22.4	33	2
5.5mm C/S			
MBT-45X5.5X0.5	45	56	.5
MBT-45X5.5X3SB	45	56	3
MBT-60X5.5X3SB	60	71	3
6.5mm C/S			
MBT-25X6.5X2SB	25	38	2
MBT-27X6.5X3SB	27	40	3
MBT-30X6.5X3SB	30	43	3
MBT-31.5X6.5X3SB	31.5	44.5	3
MBT-40X6.5X2SG	40	53	2
MBT-42X6.5X2SG	42	55	2
MBT-50X6.5X2SG	50	63	2
MBT-50X6.5X3SB	50	63	3
MBT-55X6.5X3SB	55	68	3
MBT-60X6.5X3SB	60	73	3
MBT-65X6.5X3SB	65	78	3
MBT-66X6.5X3SB	66	79	3
MBT-70X6.5X3SB	70	83	3
MBT-75X6.5X3SB	75	88	3
MBT-80X6.5X3SB	80	93	3
MBT-112X6.5X3SB	112	125	3
7mm C/S			
MBT-136X7X3SB	136	150	3
7.3mm C/S			
MBT-50.4X7.3X3SB	50.4	65	3
7.5mm C/S			
MBT-35X7.5X3SB	35	50	3
MBT-35.5X7.5X3SB	35.5	50.5	3
MBT-40X7.5X3SB	40	55	3
MBT-45X7.5X3	45	60	3
MBT-48X7.5X2SG	48	63	2
MBT-48X7.5X3SB	48	63	3
MBT-50X7.5X0.6	50	65	.6
MBT-50X7.5X2SG	50	65	2
MBT-50X7.5X3	50	65	3
MBT-55X7.5X2SG	55	70	2
MBT-55X7.5X3	55	70	3
MBT-55X7.5X3SB	55	70	3
MBT-60X7.5X0.5	60	75	.5
MBT-60X7.5X3SB	60	75	3
MBT-65X7.5X2SG	65	80	2
MBT-65X7.5X3SB	65	80	3
MBT-70X7.5X2SG	70	85	2
MBT-70X7.5X3SB	70	85	3
MBT-75X7.5X2SG	75	90	2
MBT-75X7.5X3SB	75	90	3
MBT-80X7.5X3SB	80	95	3
MBT-85X7.5X2SG	85	100	2
MBT-85X7.5X3SB	85	100	3
MBT-90X7.5X2SG	90	105	2
MBT-90X7.5X3SB	90	105	3
MBT-95X7.5X2SG	95	110	2
MBT-95X7.5X3SB	95	110	3
MBT-100X7.5X1.5	100	115	1.5
MBT-100X7.5X3SB	100	115	3

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-105X7.5X2SG	105	120	2
MBT-105X7.5X3SB	105	120	3
MBT-110X7.5X3SB	110	125	3
MBT-115X7.5X2G	115	130	2
MBT-115X7.5X3SB	115	130	3
MBT-120X7.5X3SB	120	135	3
MBT-125X7.5X3SB	125	140	3
MBT-130X7.5X3SB	130	145	3
MBT-135X7.5X3SB	135	150	3
MBT-140X7.5X3SB	140	155	3
MBT-145X7.5X3SB	145	160	3
MBT-150X7.5X3SB	150	165	3
MBT-155X7.5X4SB	155	170	4
MBT-160X7.5X4SB	160	175	4
MBT-165X7.5X4SB	165	180	4
MBT-175X7.5X4SB	175	190	4
8mm C/S			
MBT-32X8X3B	32	48	3
MBT-34X8X3SB	34	50	3
MBT-40X8X3SB	40	56	3
MBT-45X8X3SB	45	61	3
MBT-50X8X3G	50	66	3
MBT-55X8X3SB	55	71	3
MBT-64X8X3SB	64	80	3
8.5mm C/S			
MBT-115X8.5X3SB	115	132	3
10mm C/S			
MBT-45X10X3B	45	65	3
MBT-50X10X3SB	50	70	3
MBT-55X10X3SB	55	75	3
MBT-60X10X3SB	60	80	3
MBT-65X10X3	65	85	3
MBT-70X10X3C	70	90	3
MBT-70X10X4SB	70	90	4
MBT-75X10X2C	75	95	2
MBT-75X10X3SB	75	95	3
MBT-84X10X2.5SG	84	104	2.5
MBT-85X10X3SB	85	105	3
MBT-90X10X3	90	110	3
MBT-95X10X3	95	115	3
MBT-100X10X3SB	100	120	3
MBT-105X10X3SB	105	125	3
MBT-110X10X3SB	110	130	3
MBT-115X10X3SB	115	135	3
MBT-115X10X4SB	115	135	4
MBT-120X10X3SB	120	140	3
MBT-125X10X4SB	125	145	4
MBT-130X10X3SB	130	150	3
MBT-135X10X3SB	135	155	3
MBT-140X10X3SB	140	160	3
MBT-140X10X4SB	140	160	4
MBT-145X10X3SB	145	165	3
MBT-150X10X3SB	150	170	3
MBT-150X10X4SB	150	170	4
MBT-160X10X3SB	160	180	3
MBT-160X10X4SB	160	180	4
MBT-170X10X4SB	170	190	4

STYLE MBT U-SEAL BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
12.5mm C/S			
MBT-125X12.5X3SB	125	150	3
MBT-140X12.5X3SB	140	165	3
MBT-155X12.5X4SB	155	180	4
MBT-175X12.5X4SB	175	200	4
MBT-190X12.5X4SB	190	215	4
MBT-200X12.5X4SB	200	225	4
MBT-280X12.5X4SB	280	305	4

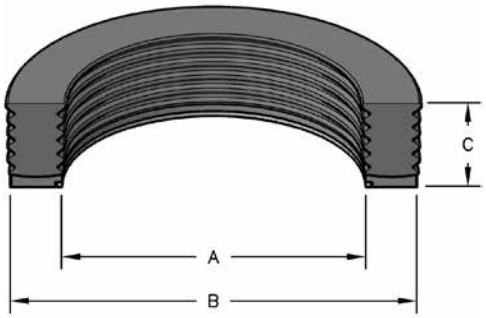
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSMR ROD SEAL W/BACK-UP RINGS

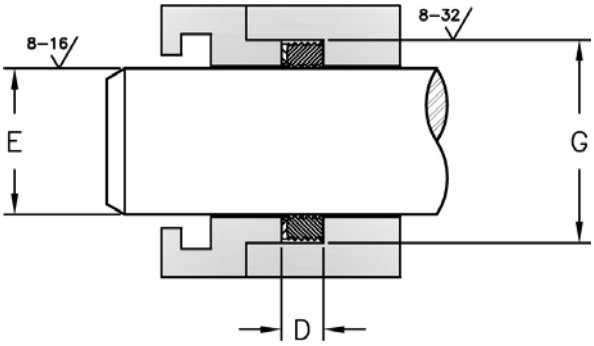
With redundant nitrile lips and an acetal back-up, this seal features high sealability and extrusion resistance.



PART NUMBERS

MSMR- 25 x 37 x 21.5

Type of Seal | Inside Diameter | Outside Diameter | Height



SEAL INFORMATION	
MATERIAL	NBR SEAL ACETAL BACK-UP HEADER OF URETHANE, ACETAL, OR FABRIC - REINFORCED RUBBER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 10,000 PSI
SPEED	3 FT/SEC

Seal color may vary.

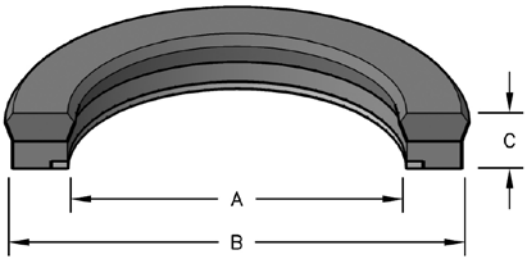
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSMR-25X37X21.5	25	37	21.5	21.50 +0.25 +0.00	25.00 +0.00 -0.13	37.00 ±0.03
MSMR-32X47X22.5	32	47	22.5	22.50 +0.25 +0.00	32.00 +0.00 -0.16	47.00 ±0.03
MSMR-35X47X21	35	47	21	21.00 +0.25 +0.00	35.00 +0.00 -0.16	47.00 ±0.03
MSMR-40X52X22.5	40	52	22.5	22.50 +0.25 +0.00	40.00 +0.00 -0.16	52.00 ±0.03
MSMR-40X55X22.5	40	55	22.5	22.50 +0.25 +0.00	40.00 +0.00 -0.16	55.00 ±0.03
MSMR-45X60X22.5	45	60	22.5	22.50 +0.25 +0.00	45.00 +0.00 -0.16	60.00 ±0.03
MSMR-45X65X28	45	65	28	28.00 +0.25 +0.00	45.00 +0.00 -0.16	65.00 ±0.03
MSMR-50X63X20	50	63	20	20.00 +0.25 +0.00	50.00 +0.00 -0.16	63.00 ±0.03
MSMR-50X65X22.5	50	65	22.5	22.50 +0.25 +0.00	50.00 +0.00 -0.16	65.00 ±0.03
MSMR-50X65X24.5	50	65	24.5	24.50 +0.25 +0.00	50.00 +0.00 -0.16	65.00 ±0.03
MSMR-55X70X22.5	55	70	22.5	22.50 +0.25 +0.00	55.00 +0.00 -0.19	70.00 ±0.03
MSMR-55X70X25	55	70	25	25.00 +0.25 +0.00	55.00 +0.00 -0.19	70.00 ±0.03
MSMR-56X71X24	56	71	24	24.00 +0.25 +0.00	56.00 +0.00 -0.19	71.00 ±0.03
MSMR-60X75X22.5	60	75	22.5	22.50 +0.25 +0.00	60.00 +0.00 -0.19	75.00 ±0.03

STYLE MSMR ROD SEAL W/BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSMR-60X80X30	60	80	30	30.00 +0.25 +0.00	60.00 +0.00 -0.19	80.00 ±0.03
MSMR-60X80X31	60	80	31	31.00 +0.25 +0.00	60.00 +0.00 -0.19	80.00 ±0.03
MSMR-63X83X25	63	83	25	25.00 +0.25 +0.00	63.00 +0.00 -0.19	83.00 ±0.04
MSMR-63X83X27	63	83	27	27.00 +0.25 +0.00	63.00 +0.00 -0.19	83.00 ±0.04
MSMR-63X83X30	63	83	30	30.00 +0.25 +0.00	63.00 +0.00 -0.19	83.00 ±0.04
MSMR-65X85X29	65	85	29	29.00 +0.25 +0.00	65.00 +0.00 -0.19	85.00 ±0.04
MSMR-70X83X25	70	83	25	25.00 +0.25 +0.00	70.00 +0.00 -0.19	83.00 ±0.04
MSMR-70X85X22.5	70	85	22.5	22.50 +0.25 +0.00	70.00 +0.00 -0.19	85.00 ±0.04
MSMR-70X90X28	70	90	28	28.00 +0.25 +0.00	70.00 +0.00 -0.19	90.00 ±0.04
MSMR-70X90X30	70	90	30	30.00 +0.25 +0.00	70.00 +0.00 -0.19	90.00 ±0.04
MSMR-80X95X22.5	80	95	22.5	22.50 +0.25 +0.00	80.00 +0.00 -0.19	95.00 ±0.04
MSMR-80X100X30	80	100	30	30.00 +0.25 +0.00	80.00 +0.00 -0.19	100.00 ±0.04
MSMR-90X110X30	90	110	30	30.00 +0.25 +0.00	90.00 +0.00 -0.22	110.00 ±0.04
MSMR-95X110X21.5	95	110	21.5	21.50 +0.25 +0.00	95.00 +0.00 -0.22	110.00 ±0.04
MSMR-95X115X26	95	115	26	26.00 +0.25 +0.00	95.00 +0.00 -0.22	115.00 ±0.04
MSMR-100X120X30	100	120	30	30.00 +0.25 +0.00	100.00 +0.00 -0.22	120.00 ±0.04
MSMR-105X125X30	105	125	30	30.00 +0.25 +0.00	105.00 +0.00 -0.22	125.00 ±0.05
MSMR-115X130X21	115	130	21	21.00 +0.25 +0.00	115.00 +0.00 -0.22	130.00 ±0.05
MSMR-125X140X21	125	140	21	21.00 +0.25 +0.00	125.00 +0.00 -0.25	140.00 ±0.05
MSMR-125X145X28	125	145	28	28.00 +0.25 +0.00	125.00 +0.00 -0.25	145.00 ±0.05
MSMR-140X160X30	140	160	30	30.00 +0.25 +0.00	140.00 +0.00 -0.25	160.00 ±0.05
MSMR-160X180X26.5	160	180	26.5	28.00 +0.25 +0.00	160.00 +0.00 -0.25	180.00 ±0.05
MSMR-200X225X34	200	225	34	34.00 +0.25 +0.00	200.00 +0.00 -0.29	225.00 ±0.05

STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS

Incorporating a rubber seal lip, a rubberized fabric heel, and an acetal back-up ring, this seal provides excellent sealability and high extrusion resistance.

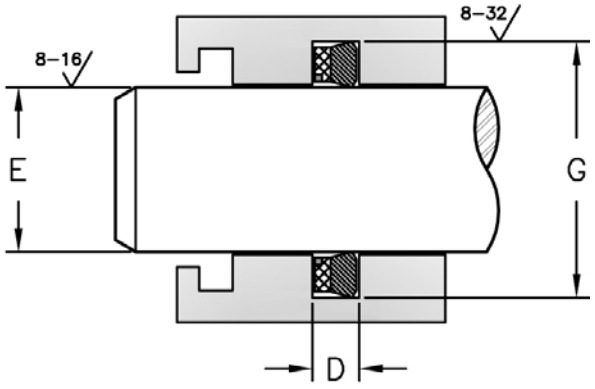


PART NUMBERS

MUFN - 16 X 24 X 6.5EI

Type of Seal	Inside Diameter	Outside Diameter	Height

SEAL INFORMATION	
MATERIAL	NBR 80 DURO SEAL NEO-FAB HEEL ACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUFN-16X24X6.5EI	16	24	6.5	7.50 +0.20 +0.00	16.00 -0.016 -0.043	24.00 ±0.065
MUFN-20X28X6.5EI	20	28	6.5	7.50 +0.20 +0.00	20.00 -0.020 -0.053	28.00 ±0.065
MUFN-22X30X6.5EI	22	30	6.5	7.50 +0.20 +0.00	22.00 -0.020 -0.053	30.00 ±0.065
MUFN-22X35X9.5EI	22	35	9.5	10.50 +0.20 +0.00	22.00 -0.020 -0.053	35.00 ±0.08
MUFN-25X33X6EI	25	33	6	7.00 +0.20 +0.00	25.00 -0.020 -0.053	33.00 ±0.08
MUFN-25X33X6.5EI	25	33	6.5	7.50 +0.20 +0.00	25.00 -0.020 -0.053	33.00 ±0.08
MUFN-25X33X7EI	25	33	7	8.00 +0.20 +0.00	25.00 -0.020 -0.053	33.00 ±0.08
MUFN-25X35X7.5EI	25	35	7.5	8.50 +0.20 +0.00	25.00 -0.020 -0.053	35.00 ±0.08
MUFN-25X35X8EI	25	35	8	9.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 ±0.08
MUFN-25X37X10EI	25	37	10	11.00 +0.20 +0.00	25.00 -0.020 -0.053	37.00 ±0.08
MUFN-25X38X9.5EI	25	38	9.5	10.50 +0.20 +0.00	25.00 -0.020 -0.053	38.00 ±0.08
MUFN-28X38X7.5EI	28	38	8	9.00 +0.20 +0.00	28.00 -0.020 -0.053	38.00 ±0.08
MUFN-28X38X8EI	28	38	8	9.00 +0.20 +0.00	28.00 -0.020 -0.053	38.00 ±0.08
MUFN-28X40X9EI	28	40	9	10.00 +0.20 +0.00	28.00 -0.020 -0.053	40.00 ±0.08

STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUFN-30X38X6EI	30	38	6	7.00 +0.20 +0.00	30.00 -0.020 -0.053	38.00 ±0.08
MUFN-30X40X7EI	30	40	7	8.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 ±0.08
MUFN-30X40X10EI	30	40	10	11.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 ±0.08
MUFN-30X45X10.5EI	30	45	10.5	11.50 +0.20 +0.00	30.00 -0.020 -0.053	45.00 ±0.08
MUFN-32X40X8.5EI	32	40	8.5	9.50 +0.20 +0.00	32.00 -0.025 -0.064	40.00 ±0.08
MUFN-32X42X8EI	32	42	8	9.00 +0.20 +0.00	32.00 -0.025 -0.064	42.00 ±0.08
MUFN-32X45X9.5EI	32	45	9.5	10.50 +0.20 +0.00	32.00 -0.025 -0.064	45.00 ±0.08
MUFN-35X43X6EI	35	43	6	7.00 +0.20 +0.00	35.00 -0.025 -0.064	43.00 ±0.08
MUFN-35X45X6.5EI	35	45	6.5	7.50 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.08
MUFN-35X45X7.5EI	35	45	7.5	8.50 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.08
MUFN-35X45X10EI	35	45	10	11.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 ±0.08
MUFN-35X50X10.5EI	35	50	10.5	11.50 +0.20 +0.00	35.00 -0.025 -0.064	50.00 ±0.08
MUFN-36X43X6EI	36	43	6	7.00 +0.20 +0.00	36.00 -0.025 -0.064	43.00 ±0.08
MUFN-36X46X8EI	36	46	8	9.00 +0.20 +0.00	36.00 -0.025 -0.064	46.00 ±0.08
MUFN-36X48X9EI	36	48	9	10.00 +0.20 +0.00	36.00 -0.025 -0.064	48.00 ±0.08
MUFN-40X48X6EI	40	48	6	7.00 +0.20 +0.00	40.00 -0.025 -0.064	48.00 ±0.08
MUFN-40X50X7.5EI	40	50	7.5	8.50 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.08
MUFN-40X50X10EI	40	50	10	11.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.08
MUFN-40X50X10.5EI	40	50	10.5	11.50 +0.20 +0.00	40.00 -0.025 -0.064	50.00 ±0.08
MUFN-40X52X10.5EI	40	52	10.5	11.50 +0.20 +0.00	40.00 -0.025 -0.064	52.00 ±0.095
MUFN-40X55X10.5EI	40	55	10.5	11.50 +0.20 +0.00	40.00 -0.025 -0.064	55.00 ±0.095
MUFN-45X53X8EI	45	53	8	9.00 +0.20 +0.00	45.00 -0.025 -0.064	53.00 ±0.095
MUFN-45X53X10.5EI	45	53	10.5	11.50 +0.20 +0.00	45.00 -0.025 -0.064	53.00 ±0.095
MUFN-45X55X7EI	45	55	7	8.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 ±0.095
MUFN-45X55X7.5EI	45	55	7.5	8.50 +0.20 +0.00	45.00 -0.025 -0.064	55.00 ±0.095
MUFN-45X55X10.5EI	45	55	10.5	11.50 +0.20 +0.00	45.00 -0.025 -0.064	55.00 ±0.095
MUFN-45X60X10EI	45	60	10	11.00 +0.20 +0.00	45.00 -0.025 -0.064	60.00 ±0.095
MUFN-45X60X10.5EI	45	60	10.5	11.50 +0.20 +0.00	45.00 -0.025 -0.064	60.00 ±0.095
MUFN-45X65X14EI	45	65	14	15.00 +0.20 +0.00	45.00 -0.025 -0.064	65.00 ±0.095
MUFN-48X60X10.5EI	48	60	10.5	11.50 +0.20 +0.00	48.00 -0.025 -0.064	60.00 ±0.095
MUFN-50X60X7.5EI	50	60	7.5	8.50 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.095
MUFN-50X60X9.5EI	50	60	9.5	10.50 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.095
MUFN-50X60X10EI	50	60	10	11.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 ±0.095

STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS

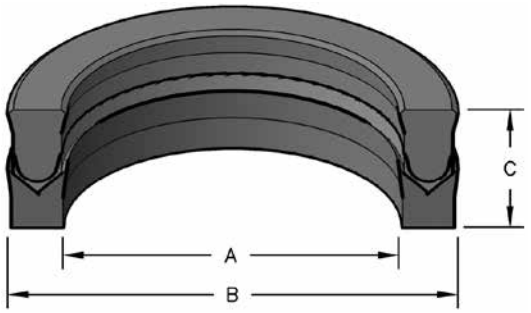
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUFN-50X62X9EI	50	62	9	10.00 +0.20 +0.00	50.00 -0.025 -0.064	62.00 ±0.095
MUFN-50X62X9.5EI	50	62	9.5	10.50 +0.20 +0.00	50.00 -0.025 -0.064	62.00 ±0.095
MUFN-50X65X10.5EI	50	65	10.5	11.50 +0.20 +0.00	50.00 -0.025 -0.064	65.00 ±0.095
MUFN-50X65X11EI	50	65	11	12.00 +0.20 +0.00	50.00 -0.025 -0.064	65.00 ±0.095
MUFN-50X70X13.5EI	50	70	13.5	14.50 +0.20 +0.00	50.00 -0.025 -0.064	70.00 ±0.095
MUFN-50X70X14EI	50	70	14	15.00 +0.20 +0.00	50.00 -0.025 -0.064	70.00 ±0.095
MUFN-55X65X7.5EI	55	65	7.5	8.50 +0.20 +0.00	55.00 -0.030 -0.076	65.00 ±0.095
MUFN-55X65X10.5EI	55	65	10.5	11.50 +0.20 +0.00	55.00 -0.030 -0.076	65.00 ±0.095
MUFN-55X70X10EI	55	70	10	11.00 +0.20 +0.00	55.00 -0.030 -0.076	70.00 ±0.095
MUFN-56X71X10EI	56	71	10	11.00 +0.20 +0.00	56.00 -0.030 -0.076	71.00 ±0.095
MUFN-56X71X12EI	56	71	12	13.00 +0.20 +0.00	56.00 -0.030 -0.076	71.00 ±0.095
MUFN-60X70X7.5EI	60	70	7.5	8.50 +0.20 +0.00	60.00 -0.030 -0.076	70.00 ±0.095
MUFN-60X70X9.5EI	60	70	9.5	10.50 +0.20 +0.00	60.00 -0.030 -0.076	70.00 ±0.095
MUFN-60X70X10.5EI	60	70	10.5	11.50 +0.20 +0.00	60.00 -0.030 -0.076	70.00 ±0.095
MUFN-60X70X12.5EI	60	70	12.5	13.50 +0.20 +0.00	60.00 -0.030 -0.076	70.00 ±0.095
MUFN-60X72X9.5EI	60	72	9.5	10.50 +0.20 +0.00	60.00 -0.030 -0.076	72.00 ±0.095
MUFN-60X75X12.5EI	60	75	12.5	13.50 +0.20 +0.00	60.00 -0.030 -0.076	75.00 ±0.095
MUFN-63X75X10EI	63	75	10	11.00 +0.20 +0.00	63.00 -0.030 -0.076	75.00 ±0.095
MUFN-63X78X12.5EI	63	78	12.5	13.50 +0.20 +0.00	63.00 -0.030 -0.076	78.00 ±0.095
MUFN-65X75X13EI	65	75	13	14.00 +0.20 +0.00	65.00 -0.030 -0.076	75.00 ±0.095
MUFN-65X85X14EI	65	85	14	15.00 +0.20 +0.00	65.00 -0.030 -0.076	85.00 ±0.11
MUFN-70X80X12.5EI	70	80	12.5	13.50 +0.20 +0.00	70.00 -0.030 -0.076	80.00 ±0.095
MUFN-70X84X12EI	70	84	12	13.00 +0.20 +0.00	70.00 -0.030 -0.076	84.00 ±0.11
MUFN-70X85X12EI	70	85	12	13.00 +0.20 +0.00	70.00 -0.030 -0.076	85.00 ±0.11
MUFN-70X90X14EI	70	90	14	15.00 +0.20 +0.00	70.00 -0.030 -0.076	90.00 ±0.11
MUFN-75X85X12EI	75	85	12	13.00 +0.20 +0.00	75.00 -0.030 -0.076	85.00 ±0.11
MUFN-80X95X10EI	80	95	10	11.00 +0.20 +0.00	80.00 -0.030 -0.076	95.00 ±0.11
MUFN-80X95X12.5EI	80	95	12.5	13.50 +0.20 +0.00	80.00 -0.030 -0.076	95.00 ±0.11
MUFN-80X96X10EI	80	96	10	11.00 +0.20 +0.00	80.00 -0.030 -0.076	96.00 ±0.11
MUFN-80X100X12EI	80	100	12	13.00 +0.20 +0.00	80.00 -0.030 -0.076	100.00 ±0.11
MUFN-80X100X14EI	80	100	14	15.00 +0.20 +0.00	80.00 -0.030 -0.076	100.00 ±0.11
MUFN-85X100X12EI	85	100	12	13.00 +0.20 +0.00	85.00 -0.036 -0.090	100.00 ±0.11
MUFN-90X100X10.5EI	90	100	10.5	11.50 +0.20 +0.00	90.00 -0.036 -0.090	100.00 ±0.11

STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUFN-90X105X12EI	90	105	12	13.00 +0.20 +0.00	90.00 -0.036 -0.090	105.00 ±0.11
MUFN-90X110X12EI	90	110	12	13.00 +0.20 +0.00	90.00 -0.036 -0.090	110.00 ±0.11
MUFN-90X110X14EI	90	110	14	15.00 +0.20 +0.00	90.00 -0.036 -0.090	110.00 ±0.11
MUFN-95X110X12EI	95	110	12	13.00 +0.20 +0.00	95.00 -0.036 -0.090	110.00 ±0.11
MUFN-100X115X12EI	100	115	12	13.00 +0.20 +0.00	100.00 -0.036 -0.090	115.00 ±0.11
MUFN-100X120X11.5EI	100	120	11.5	12.50 +0.20 +0.00	100.00 -0.036 -0.090	120.00 ±0.11
MUFN-100X120X12EI	100	120	12	13.00 +0.20 +0.00	100.00 -0.036 -0.090	120.00 ±0.11
MUFN-100X120X14EI	100	120	14	15.00 +0.20 +0.00	100.00 -0.036 -0.090	120.00 ±0.11
MUFN-105X115X10.5EI	105	115	10.5	11.50 +0.20 +0.00	105.00 -0.036 -0.090	115.00 ±0.11
MUFN-105X120X13EI	105	120	13	14.00 +0.20 +0.00	105.00 -0.036 -0.090	120.00 ±0.11
MUFN-110X125X11.5EI	110	125	11.5	12.50 +0.20 +0.00	110.00 -0.036 -0.090	125.00 ±0.125
MUFN-110X130X12EI	110	130	12	13.00 +0.20 +0.00	110.00 -0.036 -0.090	130.00 ±0.125
MUFN-110X135X18.8EI	110	135	18.8	20.00 +0.20 +0.00	110.00 -0.036 -0.090	135.00 ±0.125
MUFN-125X150X14EI	125	150	14	15.00 +0.20 +0.00	125.00 -0.043 -0.106	150.00 ±0.125
MUFN-130X145X9EI	130	145	9	10.00 +0.20 +0.00	130.00 -0.043 -0.106	145.00 ±0.125
MUFN-140X160X11EI	140	160	11	12.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 ±0.125
MUFN-140X160X12EI	140	160	12	13.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 ±0.125
MUFN-150X170X13.5EI	150	170	13.5	14.50 +0.20 +0.00	150.00 -0.043 -0.106	170.00 ±0.125
MUFN-160X175X15EI	160	175	15	16.00 +0.20 +0.00	160.00 -0.043 -0.106	175.00 ±0.125
MUFN-160X180X14.5EI	160	180	14.5	15.50 +0.20 +0.00	160.00 -0.043 -0.106	180.00 ±0.125
MUFN-170X182.7X9EI	170	182.7	9	10.00 +0.20 +0.00	170.00 -0.043 -0.106	182.70 ±0.145

STYLE MUFN-BR ROD U-SEALS WITH HEADERS

This is a single-acting rod seal designed for low and high pressure sealing and is commonly found in telescopic cylinders. The seal consists of a molded rubber sealing lip, rubberized fabric heel, and a polyester header for improved extrustion resistance.

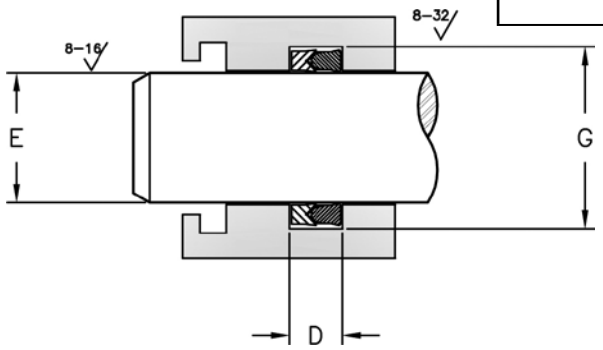


PART NUMBERS

MUFN- 78 x 88 x 12

Type of Seal | Inside Diameter | Outside Diameter | Height

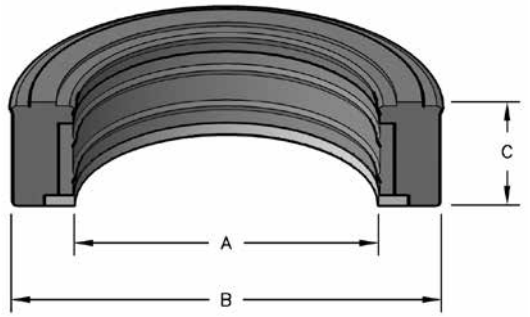
SEAL INFORMATION	
MATERIAL	RUBBER, FABRIC, POLYESTER ELASTOMER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5800 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUFN-98X108X12BR-M-F	98	108	12	13.00 +0.30 +0.00	98.00 -0.036 -0.090	108.00 +0.14 +0.00
MUFN-117X127X14BR-M-F	117	127	14	15.50 +0.30 +0.00	117.00 -0.036 -0.090	127.00 +0.16 +0.00
MUFN-136X146X14BR-M-F	136	146	14	15.50 +0.30 +0.00	136.00 -0.043 -0.106	146.00 +0.16 +0.00
MUFN-155X165X14BR-M-F	155	165	14	15.50 +0.30 +0.00	155.00 -0.043 -0.106	165.00 +0.16 +0.00
MUFN-176X188X16BR-M-F	176	188	16	17.00 +0.30 +0.00	176.00 -0.043 -0.106	188.00 +0.185 +0.000
MUFN-198X210X17.5BR-M-F	198	210	17.5	19.00 +0.30 +0.00	198.00 -0.050 -0.122	210.00 +0.185 +0.000

STYLE MPDS ROD U-SEALS

The MPDS is a rubber seal with a fabric-reinforced dynamic surface providing low breakaway and low dynamic friction. An acetal back-up ring is incorporated into the heel to prevent extrusion.



PART NUMBERS

MPDS- 40 x 52 x 21

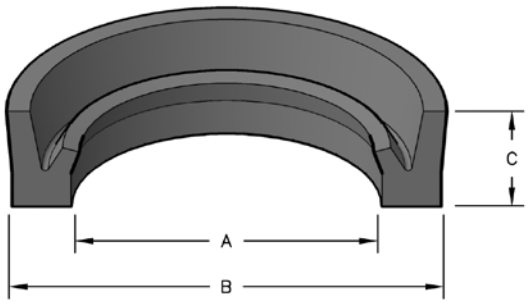
Type of Seal — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	NBR/NEO-FAB SEAL ACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +230° F
PRESSURE RANGE	0 TO 3600 PSI
SPEED	1.5 ft/sec

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MPDS-40X52X21	40	52	21
MPDS-50X65X21	50	65	21
MPDS-65X80X21	65	80	21
MPDS-90X105X21	90	105	21
MPDS-100X115X28.5	100	115	28.5

STYLE MUKRN ROD SEALS

MUKRN is an asymmetrical single-acting pneumatic rod seal. Molded in nitrile, this seal is resistant to water and most oils while maintaining good low-pressure sealing.

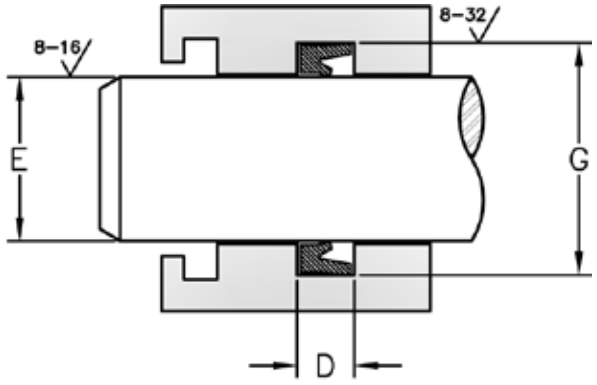


PART NUMBERS

MUKRN - 6 X 12 X 4

Type of Seal | Rod Diameter | Groove Diameter | Height

SEAL INFORMATION	
MATERIAL	80 A NBR
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 1,500 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUKRN-6X12X4	6	12	4	4.50 +0.20 +0.00	6.00 -0.010 -0.028	12.00 +0.043 +0.000
MUKRN-8X14X4	8	14	4	4.50 +0.20 +0.00	8.00 -0.013 -0.035	14.00 +0.043 +0.000
MUKRN-8X16X5.5	8	16	5.5	6.00 +0.20 +0.00	8.00 -0.013 -0.035	16.00 +0.043 +0.000
MUKRN-8X18X8	8	18	8	8.50 +0.20 +0.00	8.00 -0.013 -0.035	18.00 +0.043 +0.000
MUKRN-10X13.6X2.3	10	13.6	2.3	2.80 +0.20 +0.00	10.00 -0.013 -0.035	13.60 +0.043 +0.000
MUKRN-10X16X4.5	10	16	4.5	5.00 +0.20 +0.00	10.00 -0.013 -0.035	16.00 +0.043 +0.000
MUKRN-10X18X5.5	10	18	5.5	6.00 +0.20 +0.00	10.00 -0.013 -0.035	18.00 +0.043 +0.000
MUKRN-12X20X5.5	12	20	5.5	6.00 +0.20 +0.00	12.00 -0.016 -0.043	20.00 +0.052 +0.000
MUKRN-12X22X5	12	22	5	5.50 +0.20 +0.00	12.00 -0.016 -0.043	22.00 +0.052 +0.000
MUKRN-12X22X7.5	12	22	7.5	8.00 +0.20 +0.00	12.00 -0.016 -0.043	22.00 +0.052 +0.000
MUKRN-14X24X5	14	24	5	5.50 +0.20 +0.00	14.00 -0.016 -0.043	24.00 +0.052 +0.000
MUKRN-16X22X5	16	22	5	5.50 +0.20 +0.00	16.00 -0.016 -0.043	22.00 +0.052 +0.000
MUKRN-16X24X5.5	16	24	5.5	6.00 +0.20 +0.00	16.00 -0.016 -0.043	24.00 +0.052 +0.000
MUKRN-18X25X4.5	18	25	4.5	5.00 +0.20 +0.00	18.00 -0.016 -0.043	25.00 +0.052 +0.000
MUKRN-18X25X5.5	18	25	5.5	6.00 +0.20 +0.00	18.00 -0.016 -0.043	25.00 +0.052 +0.000

STYLE MUKRN ROD SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUKRN-18X26X5.5	18	26	5.5	6.00 +0.20 +0.00	18.00 -0.016 -0.043	26.00 +0.052 +0.000
MUKRN-18X30X8.5	18	30	8.5	9.50 +0.20 +0.00	18.00 -0.016 -0.043	30.00 +0.052 +0.000
MUKRN-20X26X5	20	26	5	5.50 +0.20 +0.00	20.00 -0.020 -0.053	26.00 +0.052 +0.000
MUKRN-20X28X5.5	20	28	5.5	6.00 +0.20 +0.00	20.00 -0.020 -0.053	28.00 +0.052 +0.000
MUKRN-20X30X6	20	30	6	6.50 +0.20 +0.00	20.00 -0.020 -0.053	30.00 +0.052 +0.000
MUKRN-22X30X5.5	22	30	5.5	6.00 +0.20 +0.00	22.00 -0.020 -0.053	30.00 +0.052 +0.000
MUKRN-23X31X5.5	23	31	5.5	6.00 +0.20 +0.00	23.00 -0.020 -0.053	31.00 +0.062 +0.000
MUKRN-25X33X8	25	33	8	8.50 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.062 +0.000
MUKRN-25X35X6	25	35	6	6.50 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.062 +0.000
MUKRN-25X35X7	25	35	7	7.50 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.062 +0.000
MUKRN-25X35X7.5	25	35	7.5	8.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.062 +0.000
MUKRN-25X37X6	25	37	6	6.50 +0.20 +0.00	25.00 -0.020 -0.053	37.00 +0.062 +0.000
MUKRN-28X36X5.5	28	36	5.5	6.00 +0.20 +0.00	28.00 -0.020 -0.053	36.00 +0.062 +0.000
MUKRN-30X40X7	30	40	7	7.50 +0.20 +0.00	30.00 -0.020 -0.053	40.00 +0.062 +0.000
MUKRN-30X42X8.5	30	42	8.5	9.50 +0.20 +0.00	30.00 -0.020 -0.053	42.00 +0.062 +0.000
MUKRN-32X42X7	32	42	7	7.50 +0.20 +0.00	32.00 -0.025 -0.064	42.00 +0.062 +0.000
MUKRN-35X43X8	35	43	8	8.50 +0.20 +0.00	35.00 -0.025 -0.064	43.00 +0.062 +0.000
MUKRN-35X45X7	35	45	7	7.50 +0.20 +0.00	35.00 -0.025 -0.064	45.00 +0.062 +0.000
MUKRN-36X46X7	36	46	7	7.50 +0.20 +0.00	36.00 -0.025 -0.064	46.00 +0.062 +0.000
MUKRN-38X48X7	38	48	7	7.50 +0.20 +0.00	38.00 -0.025 -0.064	48.00 +0.062 +0.000
MUKRN-40X48X5.5	40	48	5.5	6.00 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.062 +0.000
MUKRN-40X48X8	40	48	8	8.50 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.062 +0.000
MUKRN-42X52X7	42	52	7	7.50 +0.20 +0.00	42.00 -0.025 -0.064	52.00 +0.074 +0.000
MUKRN-44X54X7	44	54	7	7.50 +0.20 +0.00	44.00 -0.025 -0.064	54.00 +0.074 +0.000
MUKRN-45X53X8	45	53	8	8.50 +0.20 +0.00	45.00 -0.025 -0.064	53.00 +0.074 +0.000
MUKRN-45X55X7	45	55	7	7.50 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.074 +0.000
MUKRN-45X65X15	45	65	15	16.00 +0.20 +0.00	45.00 -0.025 -0.064	65.00 +0.074 +0.000
MUKRN-50X60X7	50	60	7	7.50 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.074 +0.000
MUKRN-50X60X12	50	60	12	13.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.074 +0.000
MUKRN-50X66X12	50	66	12	13.00 +0.20 +0.00	50.00 -0.025 -0.064	66.00 +0.074 +0.000
MUKRN-56X66X7	56	66	7	7.50 +0.20 +0.00	56.00 -0.030 -0.076	66.00 +0.074 +0.000
MUKRN-60X72X8.5	60	72	8.5	9.50 +0.20 +0.00	60.00 -0.030 -0.076	72.00 +0.074 +0.000
MUKRN-63X75X8.5	63	75	8.5	9.50 +0.20 +0.00	63.00 -0.030 -0.076	75.00 +0.074 +0.000

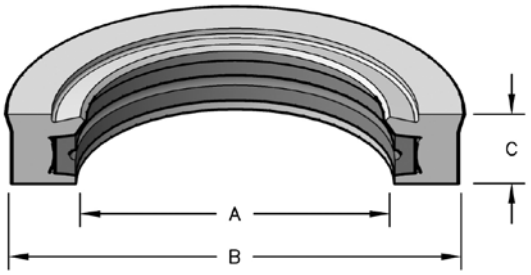
STYLE MUKRN ROD SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MUKRN-65X77X8.5	65	77	8.5	9.50 +0.20 +0.00	65.00 -0.030 -0.076	77.00 +0.074 +0.000
MUKRN-70X82X8.5	70	82	8.5	9.50 +0.20 +0.00	70.00 -0.030 -0.076	82.00 +0.087 +0.000
MUKRN-70X90X15	70	90	15	16.00 +0.20 +0.00	70.00 -0.030 -0.076	90.00 +0.087 +0.000
MUKRN-75X87X8.5	75	87	8.5	9.50 +0.20 +0.00	75.00 -0.030 -0.076	87.00 +0.087 +0.000
MUKRN-80X92X8.5	80	92	8.5	9.50 +0.20 +0.00	80.00 -0.030 -0.076	92.00 +0.087 +0.000
MUKRN-88X100X8.5	88	100	8.5	9.50 +0.20 +0.00	88.00 -0.036 -0.090	100.00 +0.087 +0.000
MUKRN-100X115X10	100	115	10	11.00 +0.20 +0.00	100.00 -0.036 -0.090	115.00 +0.087 +0.000
MUKRN-110X125X10	110	125	10	11.00 +0.20 +0.00	110.00 -0.036 -0.090	125.00 +0.10 +0.00
MUKRN-120X135X10	120	135	10	11.00 +0.20 +0.00	120.00 -0.036 -0.090	135.00 +0.10 +0.00
MUKRN-130X145X10	130	145	10	11.00 +0.20 +0.00	130.00 -0.043 -0.106	145.00 +0.10 +0.00
MUKRN-140X160X14	140	160	14	15.00 +0.20 +0.00	140.00 -0.043 -0.106	160.00 +0.10 +0.00
MUKRN-150X170X14	150	170	14	15.00 +0.20 +0.00	150.00 -0.043 -0.106	170.00 +0.10 +0.00

Seal color may vary.

STYLE PU-TDI ROD SEALS

The PU-TDI tandem seal has a urethane sealing lip with a PTFE insert secondary sealing lip. Under increasing pressure, the outer seal acts to compress the PTFE slide ring onto the rod. This action creates a high force sealing edge of low-frictional resistance. These are genuine Hunger® parts.



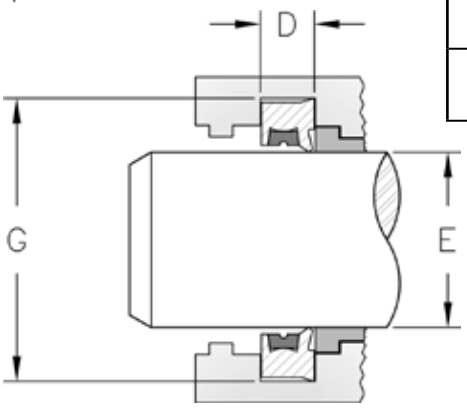
PART NUMBERS

PU-TDI - 22 X 30 X 7

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE BRONZE - FILLED PTFE
TEMPERATURE RANGE	-31° TO +212° F
PRESSURE RANGE	0 TO 6,500 PSI
SPEED	3 FT/SEC

Diameters below 32mm are a one piece part. They do not contain the PTFE insert.



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
PU-TDI22X30X7	22	30	7	7.50 +0.098 -0.040	22.00 -0.040 -0.073	30.00 +0.052 +0.000
PU-TDI35X43X7	35	43	7	7.50 +0.098 -0.040	35.00 -0.050 -0.089	43.00 +0.062 +0.000
PU-TDI36X44X8	36	44	8	8.50 +0.098 -0.040	36.00 -0.050 -0.089	44.00 +0.062 +0.000
PU-TDI40X48X8	40	48	8	8.50 +0.098 -0.040	40.00 -0.050 -0.089	48.00 +0.062 +0.000
PU-TDI45X55X10	45	55	10	11.00 +0.12 -0.05	45.00 -0.050 -0.089	55.00 +0.074 +0.000
PU-TDI50X60X10	50	60	10	11.00 +0.12 -0.05	50.00 -0.050 -0.089	60.00 +0.074 +0.000
PU-TDI55X65X10	55	65	10	11.00 +0.12 -0.05	55.00 -0.060 -0.106	65.00 +0.074 +0.000
PU-TDI56X71X12	56	71	12	13.00 +0.12 -0.05	56.00 -0.060 -0.106	71.00 +0.074 +0.000
PU-TDI60X75X12	60	75	12	13.00 +0.12 -0.05	60.00 -0.060 -0.106	75.00 +0.074 +0.000
PU-TDI63X78X12	63	78	12	13.00 +0.12 -0.05	63.00 -0.060 -0.106	78.00 +0.074 +0.000
PU-TDI70X85X12	70	85	12	13.00 +0.12 -0.05	70.00 -0.060 -0.106	85.00 +0.087 +0.000
PU-TDI80X95X12	80	95	12	13.00 +0.12 -0.05	80.00 -0.060 -0.106	95.00 +0.087 +0.000
PU-TDI85X100X12	85	100	12	13.00 +0.12 -0.05	85.00 -0.072 -0.126	100.00 +0.087 +0.000
PU-TDI90X105X12	90	105	12	13.00 +0.12 -0.05	90.00 -0.072 -0.126	105.00 +0.087 +0.000
PU-TDI95X110X12	95	110	12	13.00 +0.12 -0.05	95.00 -0.072 -0.126	110.00 +0.087 +0.000
PU-TDI100X115X12	100	115	12	13.00 +0.12 -0.05	100.00 -0.072 -0.126	115.00 +0.087 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE PU-TDI ROD SEALS

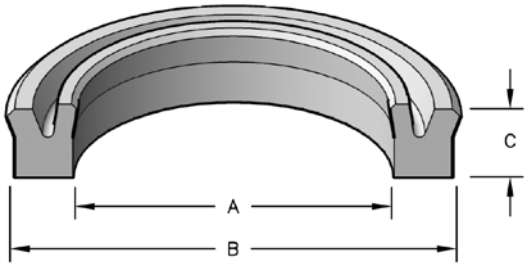
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
PU-TDI105X120X12	105	120	12	13.00 +0.12 -0.05	105.00 -0.072 -0.126	120.00 +0.087 +0.000
PU-TDI110X125X12	110	125	12	13.00 +0.12 -0.05	110.00 -0.072 -0.126	125.00 +0.10 +0.00
PU-TDI115X130X12	115	130	12	13.00 +0.12 -0.05	115.00 -0.072 -0.126	130.00 +0.10 +0.00
PU-TDI120X140X16	120	140	16	17.00 +0.12 -0.05	120.00 -0.072 -0.126	140.00 +0.10 +0.00
PU-TDI125X145X16	125	145	16	17.00 +0.12 -0.05	125.00 -0.085 -0.148	145.00 +0.10 +0.00
PU-TDI130X150X16	130	150	16	17.00 +0.12 -0.05	130.00 -0.085 -0.148	150.00 +0.10 +0.00
PU-TDI135X155X16	135	155	16	17.00 +0.12 -0.05	135.00 -0.085 -0.148	155.00 +0.10 +0.00
PU-TDI140X155X17	140	155	17	18.00 +0.12 -0.05	140.00 -0.085 -0.148	155.00 +0.10 +0.00
PU-TDI140X160X16	140	160	16	17.00 +0.12 -0.05	140.00 -0.085 -0.148	160.00 +0.10 +0.00
PU-TDI150X170X16	150	170	16	17.00 +0.12 -0.05	150.00 -0.085 -0.148	170.00 +0.10 +0.00
PU-TDI160X180X16	160	180	16	17.00 +0.12 -0.05	160.00 -0.085 -0.148	180.00 +0.10 +0.00
PU-TDI175X195X16	175	195	16	17.00 +0.12 -0.05	175.00 -0.085 -0.148	195.00 +0.115 +0.000
PU-TDI180X200X16	180	200	16	17.00 +0.12 -0.05	180.00 -0.085 -0.148	200.00 +0.115 +0.000
PU-TDI200X220X16	200	220	16	17.00 +0.12 -0.05	200.00 -0.100 -0.172	220.00 +0.115 +0.000
PU-TDI240X260X16	240	260	16	17.00 +0.12 -0.05	240.00 -0.100 -0.172	260.00 +0.13 +0.00

STYLE PU-TDT ROD SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
PU-TDT75X83X11.5	75	83	11.5	12.00 +0.12 -0.05	75.00 -0.060 -0.106	83.00 +0.087 +0.000
PU-TDT90X98X11.5	90	98	11.5	12.00 +0.12 -0.05	90.00 -0.072 -0.126	98.00 +0.087 +0.000
PU-TDT95X103X11.5	95	103	11.5	12.00 +0.12 -0.05	95.00 -0.072 -0.126	103.00 +0.087 +0.000
PU-TDT110X118X11.5	110	118	11.5	12.00 +0.12 -0.05	110.00 -0.072 -0.126	118.00 +0.087 +0.000

STYLE MPU PISTON SEALS

Molded from high quality urethane, the MPU is designed specifically for piston applications.



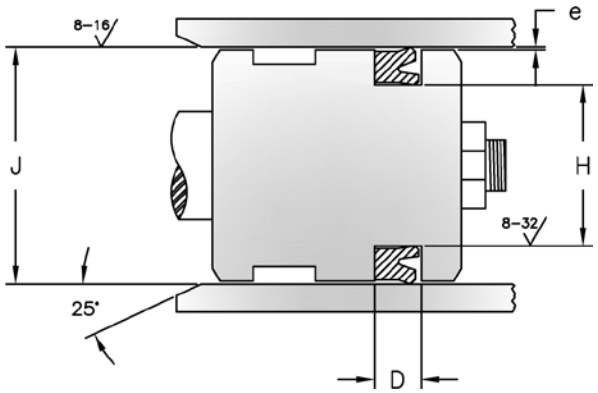
PART NUMBERS

MPU - 15 X 25 X 8.2

Type of Seal | Inside Diameter | Outside Diameter | Height

A = Alternative to NOK

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPU-15X25X8.2	15	25	8.2	9.00 +0.30 +0.00	15.00 +0.00 -0.07	25.00 +0.052 +0.000
MPU-17X25X5.7	17	25	5.7	6.30 +0.30 +0.00	17.00 +0.00 -0.07	25.00 +0.052 +0.000
MPU-24X32X5.7	24	32	5.7	6.30 +0.30 +0.00	24.00 +0.000 -0.084	32.00 +0.062 +0.000
MPU-25X35X7.3	25	35	7.3	8.00 +0.30 +0.00	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MPU-21X37X11.8	21	37	11.8	13.00 +0.30 +0.00	21.00 +0.000 -0.084	37.00 +0.062 +0.000
MPU-30X40X7.3	30	40	7.3	8.00 +0.30 +0.00	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MPU-35X45X6	35	45	6	7.00 +0.30 +0.00	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MPU-35X45X7	35	45	7	8.00 +0.30 +0.00	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MPU-32X50X10	32	50	10	11.00 +0.30 +0.00	32.00 +0.00 -0.10	50.00 +0.062 +0.000
MPU-40X50X6	40	50	6	7.00 +0.30 +0.00	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MPU-40X50X7.3	40	50	7.3	8.00 +0.30 +0.00	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MPU-45X55X6	45	55	6	7.00 +0.30 +0.00	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MPU-45X55X7.3	45	55	7.3	8.00 +0.30 +0.00	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MPU-45X60X10	45	60	10	11.00 +0.30 +0.00	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MPU-50X60X6	50	60	6	7.00 +0.30 +0.00	50.00 +0.00 -0.10	60.00 +0.074 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPU PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPU-50X60X7	50	60	7	8.00 +0.30 +0.00	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MPU-48X63X9-A	48	63	9	10.00 +0.30 +0.00	48.00 +0.00 -0.10	63.00 +0.074 +0.000
MPU-48X63X11.4	48	63	11.4	12.50 +0.30 +0.00	48.00 +0.00 -0.10	63.00 +0.074 +0.000
MPU-53X63X7	53	63	7	8.00 +0.30 +0.00	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MPU-53X63X7.3	53	63	7.3	8.00 +0.30 +0.00	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MPU-53X63X12	53	63	12	13.00 +0.30 +0.00	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MPU-50X65X10	50	65	10	11.00 +0.30 +0.00	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MPU-55X65X7	55	65	7	8.00 +0.30 +0.00	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MPU-50X70X12	50	70	12	13.00 +0.30 +0.00	50.00 +0.00 -0.10	70.00 +0.074 +0.000
MPU-50X70X15	50	70	15	16.00 +0.30 +0.00	50.00 +0.00 -0.10	70.00 +0.074 +0.000
MPU-55X70X9	55	70	9	10.00 +0.30 +0.00	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MPU-55X70X10	55	70	10	11.00 +0.30 +0.00	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MPU-60X70X6	60	70	6	7.00 +0.30 +0.00	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MPUN-60X70X6	60	70	6	7.00 ±0.20	60.00 +0.20 +0.00	70.00 +0.074 +0.000
MPU-60X70X12	60	70	12	13.00 +0.30 +0.00	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MPU-61X71X6	61	71	6	7.00 +0.30 +0.00	61.00 +0.00 -0.12	71.00 +0.074 +0.000
MPU-57X73X10	57	73	10	11.00 +0.30 +0.00	57.00 +0.00 -0.12	73.00 +0.074 +0.000
MPU-65X75X6	65	75	6	7.00 +0.30 +0.00	65.00 +0.00 -0.12	75.00 +0.074 +0.000
MPU-67X75X8.8	67	75	8.8	9.70 +0.30 +0.00	67.00 +0.00 -0.12	75.00 +0.074 +0.000
MPU-62X78X10	62	78	10	11.00 +0.30 +0.00	62.00 +0.00 -0.12	78.00 +0.074 +0.000
MPU-60X80X12	60	80	12	13.00 +0.30 +0.00	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-65X80X9	65	80	9	10.00 +0.30 +0.00	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-65X80X11.4	65	80	11.4	12.50 +0.30 +0.00	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-65X80X12	65	80	12	13.00 +0.30 +0.00	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-70X80X6	70	80	6	7.00 +0.30 +0.00	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-70X80X6.8	70	80	6.8	7.50 +0.30 +0.00	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-70X80X7	70	80	7	8.00 +0.30 +0.00	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MPU-70X90X12	70	90	12	13.00 +0.30 +0.00	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MPU-75X90X9	75	90	9	10.00 +0.30 +0.00	75.00 +0.00 -0.12	90.00 +0.087 +0.000
MPU-80X90X6	80	90	6	7.00 +0.30 +0.00	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MPU-75X100X18	75	100	18	19.00 +0.30 +0.00	75.00 -0.030 -0.076	100.00 +0.087 +0.000
MPU-80X100X12	80	100	12	13.00 +0.30 +0.00	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MPU-85X100X9	85	100	9	10.00 +0.30 +0.00	85.00 +0.00 -0.14	100.00 +0.087 +0.000

STYLE MPU PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPU-85X100X11.4	85	100	11.4	12.50 +0.30 +0.00	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MPU-90X100X6.8	90	100	6.8	7.50 +0.30 +0.00	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MPU-85X105X15	85	105	15	16.00 +0.30 +0.00	85.00 +0.00 -0.14	105.00 +0.087 +0.000
MPU-90X110X12	90	110	12	13.00 +0.30 +0.00	90.00 +0.00 -0.14	110.00 +0.087 +0.000
MPU-100X110X8	100	110	8	9.00 +0.30 +0.00	100.00 +0.00 -0.14	110.00 +0.087 +0.000
MPU-100X120X15	100	120	15	16.00 +0.30 +0.00	100.00 +0.00 -0.14	120.00 +0.10 +0.00
MPU-105X125X14.5	105	125	14.5	16.00 +0.30 +0.00	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MPU-115X125X15	115	125	15	16.00 +0.30 +0.00	115.00 +0.00 -0.14	125.00 +0.10 +0.00
MPU-120X140X16	120	140	16	17.00 +0.30 +0.00	120.00 +79.964 -0.090	140.00 +0.10 +0.00
MPU-130X150X14.5	130	150	14.5	16.00 +0.30 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MPU-140X150X13.6	140	150	13.6	15.00 +0.30 +0.00	140.00 +0.00 -0.16	150.00 +0.10 +0.00
MPU-140X160X18.2	140	160	18.2	20.00 +0.30 +0.00	140.00 +0.00 -0.16	160.00 +0.10 +0.00
MPU-180X200X14.5	180	200	14.5	16.00 +0.30 +0.00	180.00 +0.00 -0.16	200.00 +0.115 +0.000

Seal color may vary.

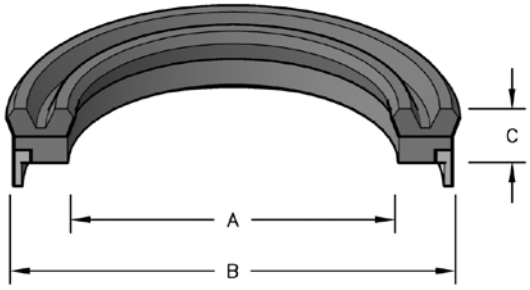
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUFN-UWO PISTON SEALS

Constructed of a rubber seal lip with a rubberized fabric heel, these seals feature a polyacetal bearing ring. These seals offer excellent sealing ability and high pressure capability. They are commonly used with our MSR retention rings.

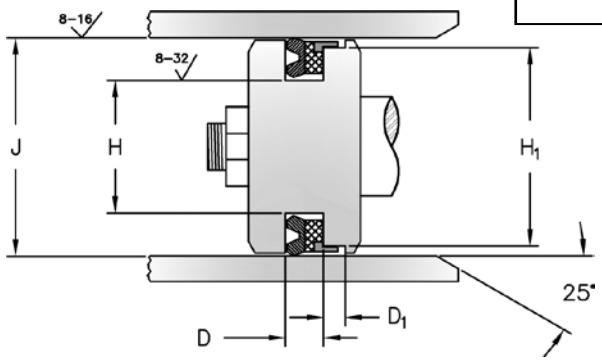


PART NUMBERS

MUFN - 26 X 40 X 9

Type of Seal | Inside Diameter | Outside Diameter | Height

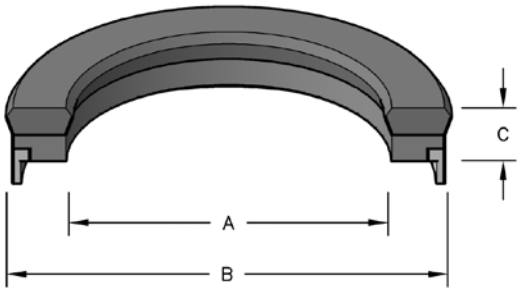
SEAL INFORMATION	
MATERIAL	NITRILE / FABRIC BASE ACETAL BEARING
TEMPERATURE RANGE	-22° TO +220° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER	C HEIGHT
MUFN-26X40X9UWO	26	40	9	9.00 +0.60 +0.40	6.40 +0.10 +0.00	26.00 ±0.065	35.40 ±0.08	40.00 +0.10 +0.00	9.00
MUFN-40X50X10UWO	40	50	10	10.00 +0.60 +0.40	6.40 +0.10 +0.00	40.00 ±0.08	46.43 ±0.08	50.00 +0.12 +0.00	10.00
MUFN-40X55X10.5UWO	40	55	10.5	10.50 +0.60 +0.40	6.40 +0.10 +0.00	40.00 ±0.08	50.37 ±0.095	55.00 +0.12 +0.00	10.50
MUFN-50X63X10UWO	50	63	10	10.00 +0.60 +0.40	6.40 +0.10 +0.00	50.00 ±0.08	58.40 ±0.095	63.00 +0.12 +0.00	10.00
MUFN-60X80X14UWO	60	80	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	60.00 ±0.095	74.15 ±0.095	80.00 +0.14 +0.00	14.00
MUFN-65X80X12UWO	65	80	12	12.00 +0.60 +0.40	6.40 +0.10 +0.00	65.00 ±0.095	75.40 ±0.095	80.00 +0.14 +0.00	12.00
MUFN-70X90X14UWO	70	90	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	70.00 ±0.095	84.10 ±0.11	90.00 +0.14 +0.00	14.00
MUFN-80X100X14UWO	80	100	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	80.00 ±0.095	94.15 ±0.11	100.00 +0.14 +0.00	14.00

STYLE MUFN-PWO PISTON SEALS

Constructed of a rubber seal lip with a rubberized fabric heel, these seals feature a polyacetal bearing ring. These seals offer excellent sealing ability and high pressure capability. The solid lip area increases the radial interference for improved low-pressure sealing. They are commonly used with our MSR retainer rings.

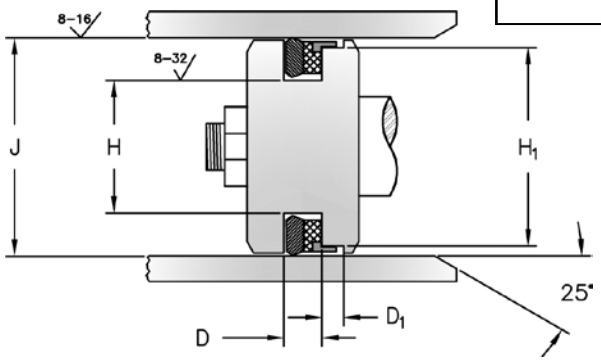


PART NUMBERS

MUFN - 30 X 50 X 14

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE / FABRIC BASE ACETAL BEARING
TEMPERATURE RANGE	-22° TO +220° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MUFN-30X50X14PWO	30	50	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	30.00 ±0.065	44.30 ±0.08	50.00 +0.10 +0.00
MUFN-40X60X14PWO	40	60	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	40.00 ±0.08	54.20 ±0.095	60.00 +0.12 +0.00
MUFN-45X60X10.5PWO	45	60	10.5	10.50 +0.60 +0.40	6.40 +0.10 +0.00	45.00 ±0.08	54.20 ±0.095	60.00 +0.12 +0.00
MUFN-50X70X14PWO	50	70	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	50.00 ±0.08	64.30 ±0.095	70.00 +0.12 +0.00
MUFN-60X80X14PWO	60	80	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	60.00 ±0.095	74.20 ±0.095	80.00 +0.12 +0.00
MUFN-70X90X14PWO	70	90	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	70.00 ±0.095	84.20 ±0.11	90.00 +0.14 +0.00
MUFN-80X100X14PWO	80	100	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	80.00 ±0.095	94.20 ±0.11	100.00 +0.14 +0.00
MUFN-85X104.5X12.5PWO	85	104.5	12.8	12.50 +0.60 +0.40	6.40 +0.10 +0.00	85.00 ±0.11	98.80 ±0.11	104.50 +0.14 +0.00
MUFN-85X105X14PWO	85	105	14	14.00 +0.60 +0.40	6.40 +0.10 +0.00	85.00 ±0.11	99.42 ±0.11	105.00 +0.14 +0.00
MUFN-90X110X12.5PWO	90	110	12.5	12.50 +0.60 +0.40	6.40 +0.10 +0.00	90.00 ±0.11	104.10 ±0.11	110.00 +0.14 +0.00

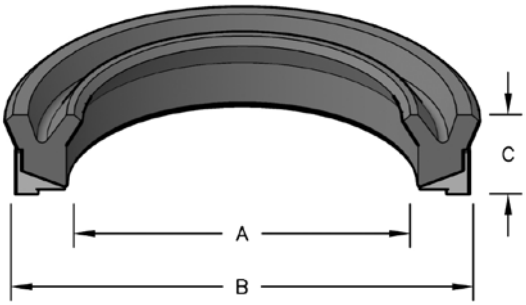
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MHP26 TWO PIECE PISTON SEALS

Molded from 70A nitrile for high sealability, they employ a hard nylon anti-extrusion ring as a companion piece.

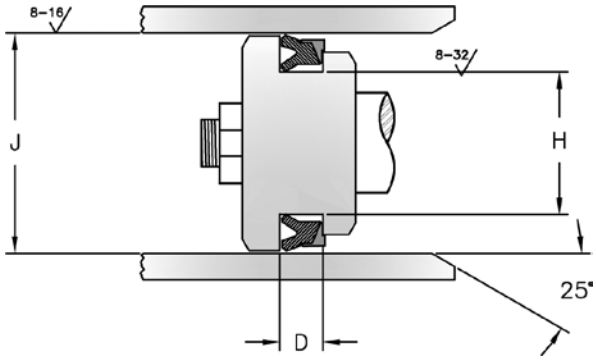


PART NUMBERS

MHP26 - 045

Type of Seal — Outside Diameter

SEAL INFORMATION	
MATERIAL	70A NITRILE NYLON BACK-UP
TEMPERATURE RANGE	-20° TO +220° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC



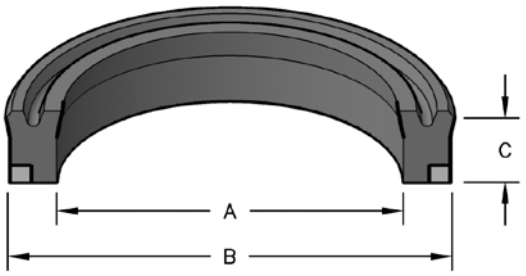
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MHP26-045	27	45	12	12.50 +0.20 +0.00	27.00 +0.00 -0.20	45.00 +0.062 +0.000
MHP26-050	32	50	12	12.50 +0.20 +0.00	32.00 +0.00 -0.20	50.00 +0.062 +0.000
MHP26-055	37	55	12	12.50 +0.20 +0.00	37.00 +0.00 -0.20	55.00 +0.074 +0.000
MHP26-060	42	60	12	12.50 +0.20 +0.00	42.00 +0.00 -0.20	60.00 +0.074 +0.000
MHP26-065	47	65	12	12.50 +0.20 +0.00	47.00 +0.00 -0.20	65.00 +0.074 +0.000
MHP26-070	48	70	14.5	15.00 +0.20 +0.00	48.00 +0.00 -0.20	70.00 +0.074 +0.000
MHP26-080	58	80	14.5	15.00 +0.20 +0.00	58.00 +0.00 -0.20	80.00 +0.074 +0.000
MHP26-090	68	90	14.5	15.00 +0.20 +0.00	68.00 +0.00 -0.20	90.00 +0.087 +0.000
MHP26-100	78	100	14.5	15.00 +0.20 +0.00	78.00 +0.00 -0.20	100.00 +0.087 +0.000
MHP26-110	88	110	14.5	15.00 +0.20 +0.00	88.00 +0.00 -0.20	110.00 +0.087 +0.000
MHP26-115	93	115	14.5	15.00 +0.20 +0.00	93.00 +0.00 -0.20	115.00 +0.087 +0.000
MHP26-120	98	120	14.5	15.00 +0.20 +0.00	98.00 +0.00 -0.20	120.00 +0.087 +0.000
MHP26-125	103	125	14.5	15.00 +0.20 +0.00	103.00 +0.00 -0.20	125.00 +0.10 +0.00
MHP26-130	108	130	14.5	15.00 +0.20 +0.00	108.00 +0.00 -0.20	130.00 +0.10 +0.00
MHP26-140	118	140	14.5	15.00 +0.20 +0.00	118.00 +0.00 -0.20	140.00 +0.10 +0.00
MHP26-150	128	150	14.5	15.00 +0.20 +0.00	128.00 +0.00 -0.20	150.00 +0.10 +0.00
MHP26-160	138	160	14.5	15.00 +0.20 +0.00	138.00 +0.00 -0.20	160.00 +0.10 +0.00

STYLE MHP26 TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MHP26-170	148	170	14.5	15.00 +0.20 +0.00	148.00 +0.00 -0.20	170.00 +0.10 +0.00
MHP26-180	158	180	14.5	15.00 +0.20 +0.00	158.00 +0.00 -0.20	180.00 +0.10 +0.00
MHP26-190	168	190	14.5	15.00 +0.20 +0.00	168.00 +0.00 -0.20	190.00 +0.115 +0.000
MHP26-200	178	200	14.5	15.00 +0.20 +0.00	178.00 +0.00 -0.20	200.00 +0.115 +0.000

STYLE MHP27 U-TYPE PISTON SEALS

Molded from 70A nitrile for high sealability, they employ a hard acetal anti-extrusion ring as a companion piece.

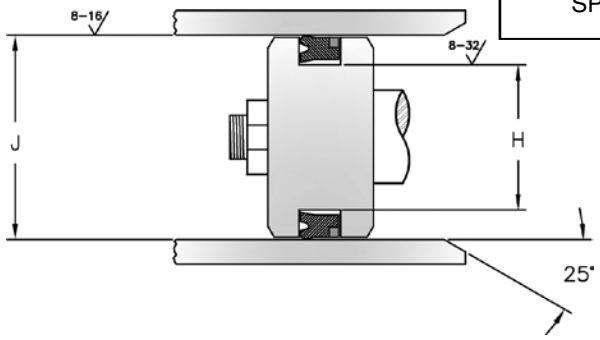


PART NUMBERS

MHP27 - 040

Type of Seal — Outside Diameter

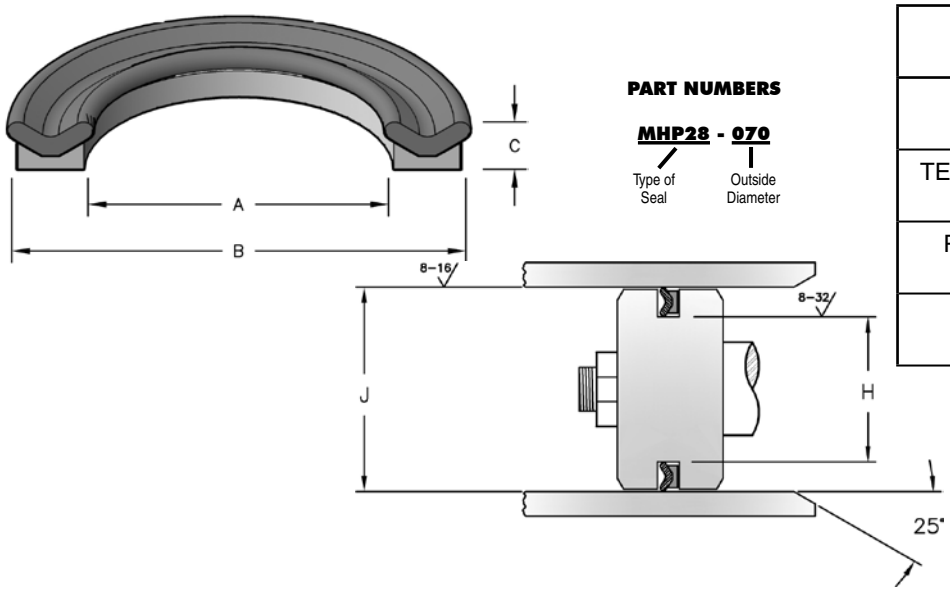
SEAL INFORMATION	
MATERIAL	70A NITRILE ACETAL BACK-UP
TEMPERATURE RANGE	-20° TO +220° F
PRESSURE RANGE	0 TO 4,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	H GROOVE DIAMETER	J BORE DIAMETER
MHP27-040	25	40	12	25.00	40.00
MHP27-050	35	50	12	35.00	50.00
MHP27-060	35	60	15.5	35.00	60.00
MHP27-070	45	70	15.5	45.00	70.00
MHP27-090	65	90	18	65.00	90.00
MHP27-095	70	95	18	70.00	95.00
MHP27-100	75	100	18	75.00	100.00

STYLE MHP28 U-TYPE PISTON SEALS

Molded from 70A nitrile for high sealability, they employ a hard nylon anti-extrusion ring as a companion piece.



PART NUMBERS

MHP28 - 070

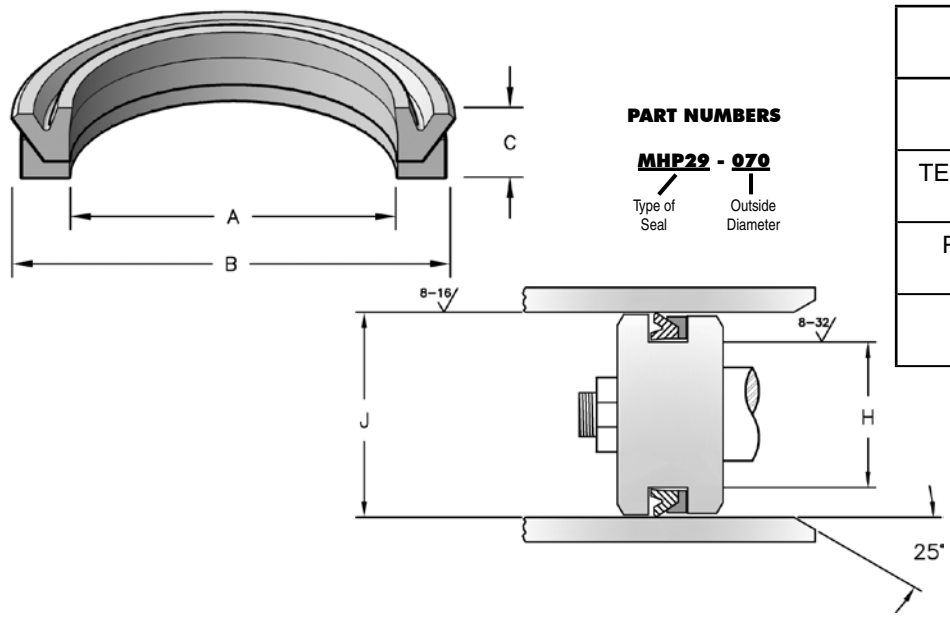
Type of Seal — Outside Diameter

SEAL INFORMATION	
MATERIAL	70A NITRILE NYLON BACK-UP
TEMPERATURE RANGE	-20° TO +220° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	H GROOVE DIAMETER	J BORE DIAMETER
MHP28-070	40	70	12	40.00	70.00

STYLE MHP29 U-TYPE PISTON SEALS

Molded from urethane for resistance to extrusion and abrasion, they employ a hard nylon anti-extrusion ring.



PART NUMBERS

MHP29 - 070

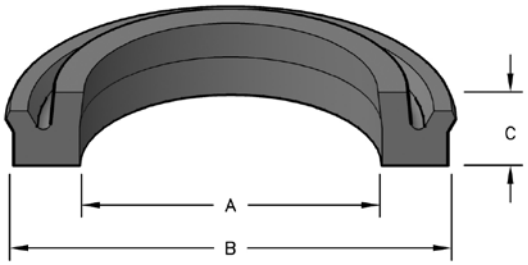
Type of Seal — Outside Diameter

SEAL INFORMATION	
MATERIAL	URETHANE SEAL NYLON BACK-UP
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	H GROOVE DIAMETER	J BORE DIAMETER
MHP29-070	55	70	12	55.00	70.00
MHP29-075	60	75	12	60.00	75.00
MHP29-085	70	85	12	70.00	85.00

STYLE MUKPN U-TYPE PISTON SEALS

MUKPN is an asymmetrical single-acting pneumatic piston seal. Molded in nitrile, this seal is resistant to water and most oils while maintaining good low-pressure sealing.

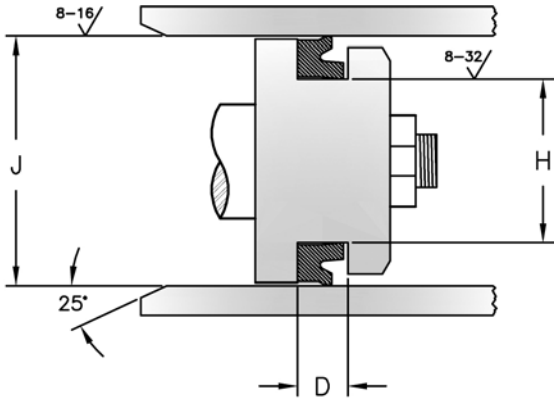


PART NUMBERS

MUKPN - 8 X 5 X 4

Type of Seal | Outside Diameter | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	80 A NBR
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 1,500
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MUKPN-16X8X5.5	8	16	5.5	6.00 +0.20 +0.00	8.00 +0.000 -0.036	16.00 +0.11 +0.00
MUKPN-16X10X4	10	16	4	4.50 +0.20 +0.00	10.00 +0.000 -0.036	16.00 +0.11 +0.00
MUKPN-18X10X5.5	10	18	5.5	6.00 +0.20 +0.00	10.00 +0.000 -0.036	18.00 +0.11 +0.00
MUKPN-20X12X5.5	12	20	5.5	6.00 +0.20 +0.00	12.00 +0.000 -0.043	20.00 +0.13 +0.00
MUKPN-20X14X5.5	14	20	5.5	5.90 +0.20 -0.10	14.00 +0.000 -0.043	20.00 +0.13 +0.00
MUKPN-25X15X5	15	25	5	5.50 +0.20 +0.00	15.00 +0.000 -0.043	25.00 +0.13 +0.00
MUKPN-28X16X9	16	28	9	10.00 +0.20 +0.00	16.00 +0.000 -0.043	28.00 +0.13 +0.00
MUKPN-30X15X10	15	30	10	11.00 +0.20 +0.00	15.00 +0.000 -0.043	30.00 +0.13 +0.00
MUKPN-30X20X7	20	30	7	7.50 +0.20 +0.00	20.00 +0.000 -0.052	30.00 +0.13 +0.00
MUKPN-30X22X5.5	22	30	5.5	6.00 +0.20 +0.00	22.00 +0.000 -0.052	30.00 +0.13 +0.00
MUKPN-32X22X7	22	32	7	7.50 +0.20 +0.00	22.00 +0.000 -0.052	32.00 +0.16 +0.00
MUKPN-32X24X5.5	24	32	5.5	6.00 +0.20 +0.00	24.00 +0.000 -0.052	32.00 +0.16 +0.00
MUKPN-36X24X9	24	36	9	10.00 +0.20 +0.00	24.00 +0.000 -0.052	36.00 +0.16 +0.00
MUKPN-40X28X6	28	40	6	6.50 +0.20 +0.00	28.00 +0.000 -0.052	40.00 +0.16 +0.00
MUKPN-40X28X9	28	40	9	10.00 +0.20 +0.00	28.00 +0.000 -0.052	40.00 +0.16 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUKPN U-TYPE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MUKPN-40X30X7	30	40	7	7.50 +0.20 +0.00	30.00 +0.000 -0.052	40.00 +0.16 +0.00
MUKPN-40X32X3.25	32	40	3.25	3.75 +0.20 +0.00	32.00 +0.000 -0.062	40.00 +0.16 +0.00
MUKPN-44X28X12	28	44	12	13.00 +0.20 +0.00	28.00 +0.000 -0.052	44.00 +0.16 +0.00
MUKPN-45X33X9	33	45	9	10.00 +0.20 +0.00	33.00 +0.000 -0.062	45.00 +0.16 +0.00
MUKPN-48X40X5.5	40	48	5.5	6.00 +0.20 +0.00	40.00 +0.000 -0.062	48.00 +0.16 +0.00
MUKPN-50X38X6	38	50	6	6.50 +0.20 +0.00	38.00 +0.000 -0.062	50.00 +0.16 +0.00
MUKPN-50X40X7.2	40	50	7.2	7.70 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.16 +0.00
MUKPN-50X42X3.25	42	50	3.25	3.75 +0.20 +0.00	42.00 +0.000 -0.062	50.00 +0.16 +0.00
MUKPN-55X45X7.5	45	55	7.5	8.00 +0.20 +0.00	45.00 +0.000 -0.062	55.00 +0.19 +0.00
MUKPN-60X44X12	44	60	12	13.00 +0.20 +0.00	44.00 +0.000 -0.062	60.00 +0.19 +0.00
MUKPN-60X48X9	48	60	9	10.00 +0.20 +0.00	48.00 +0.000 -0.062	60.00 +0.19 +0.00
MUKPN-60X50X7	50	60	7	7.50 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.19 +0.00
MUKPN-60X50X10.5	50	60	10.5	11.50 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.19 +0.00
MUKPN-65X49X12	49	65	12	13.00 +0.20 +0.00	49.00 +0.000 -0.062	65.00 +0.19 +0.00
MUKPN-65X53X10	53	65	10	11.00 +0.20 +0.00	53.00 +0.000 -0.074	65.00 +0.19 +0.00
MUKPN-65X55X12	55	65	12	13.00 +0.20 +0.00	55.00 +0.000 -0.074	65.00 +0.19 +0.00
MUKPN-70X58X8.5	58	70	8.5	9.50 +0.20 +0.00	58.00 +0.000 -0.074	70.00 +0.19 +0.00
MUKPN-75X59X12	59	75	12	13.00 +0.20 +0.00	59.00 +0.000 -0.074	75.00 +0.19 +0.00
MUKPN-75X63X8.5	63	75	8.5	9.50 +0.20 +0.00	63.00 +0.000 -0.074	75.00 +0.19 +0.00
MUKPN-80X60X14	60	80	14	15.00 +0.20 +0.00	60.00 +0.000 -0.074	80.00 +0.19 +0.00
MUKPN-80X68X8.5	68	80	8.5	9.50 +0.20 +0.00	68.00 +0.000 -0.074	80.00 +0.19 +0.00
MUKPN-80X72X12	72	80	12	13.00 +0.20 +0.00	72.00 +0.000 -0.074	80.00 +0.19 +0.00
MUKPN-85X73X8.2	73	85	8.2	9.20 +0.20 +0.00	73.00 +0.000 -0.074	85.00 +0.22 +0.00
MUKPN-90X78X8.5	78	90	8.5	9.50 +0.20 +0.00	78.00 +0.000 -0.074	90.00 +0.22 +0.00
MUKPN-100X82X13.5	82	100	13.5	14.50 +0.20 +0.00	82.00 +0.000 -0.087	100.00 +0.22 +0.00
MUKPN-100X84X8	84	100	8	8.50 +0.20 +0.00	84.00 +0.000 -0.087	100.00 +0.22 +0.00
MUKPN-100X88X8.5	88	100	8.5	9.50 +0.20 +0.00	88.00 +0.000 -0.087	100.00 +0.22 +0.00
MUKPN-110X90X15	90	110	15	16.00 +0.20 +0.00	90.00 +0.000 -0.087	110.00 +0.22 +0.00
MUKPN-110X95X10.4	95	110	10.4	11.40 +0.20 +0.00	95.00 +0.000 -0.087	110.00 +0.22 +0.00
MUKPN-115X100X10	100	115	10	11.00 +0.20 +0.00	100.00 +0.000 -0.087	115.00 +0.22 +0.00
MUKPN-120X105X10	105	120	10	11.00 +0.20 +0.00	105.00 +0.000 -0.087	120.00 +0.22 +0.00
MUKPN-125X110X10	110	125	10	11.00 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.25 +0.00
MUKPN-140X120X14	120	140	14	15.00 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.25 +0.00

STYLE MUKPN U-TYPE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MUKPN-140X125X10	125	140	10	11.00 +0.20 +0.00	125.00 +0.00 -0.10	140.00 +0.25 +0.00
MUKPN-150X135X10	135	150	10	11.00 +0.20 +0.00	135.00 +0.00 -0.10	150.00 +0.25 +0.00
MUKPN-160X145X10	145	160	10	11.00 +0.20 +0.00	145.00 +0.00 -0.10	160.00 +0.25 +0.00
MUKPN-200X180X8.25	180	200	8.25	9.25 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.29 +0.00
MUKPN-200X180X14	180	200	14	15.00 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.29 +0.00
MUKPN-250X230X14	230	250	14	15.00 +0.20 +0.00	230.00 +0.000 -0.115	250.00 +0.29 +0.00

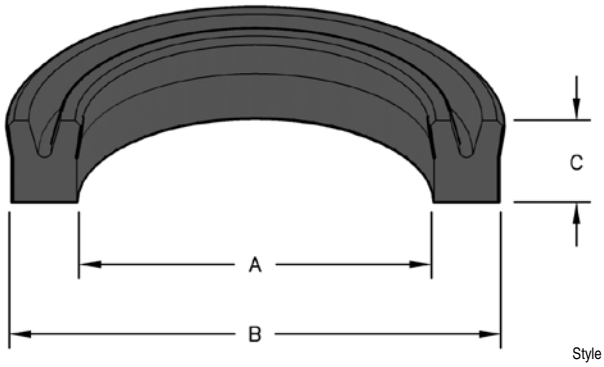
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUU SYMMETRICAL U-SEALS

Utilizing tough polyurethane, these seals possess excellent wear and abrasion resistance. Symmetrical in design, they can be used in rod or piston applications. E= European Urethane.

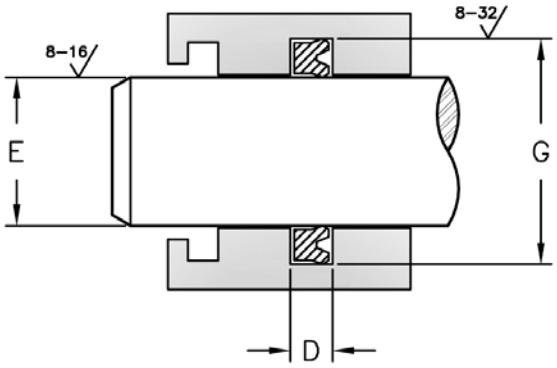


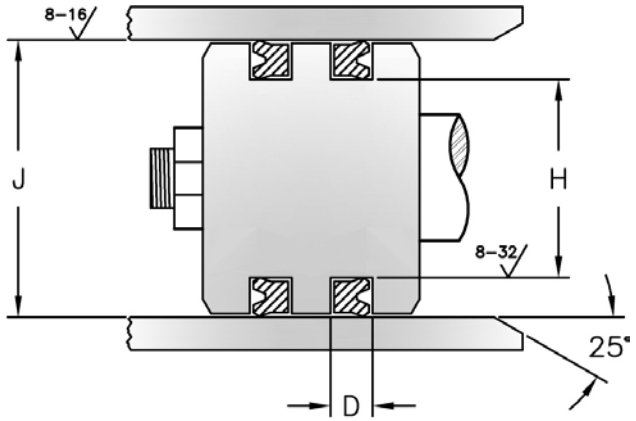
PART NUMBERS

MUU - 4 X 10 X 4

Style Prefix | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-4X10X4	4	10	4	4.50 +0.30 +0.00	4.00 -0.010 -0.028	10.00 +0.00 -0.20	4.00 +0.000 -0.048	10.00 +0.036 +0.000
MUU-4X10X4.5	4	10	4.5	5.00 +0.30 +0.00	4.00 -0.010 -0.028	10.00 +0.00 -0.20	4.00 +0.000 -0.048	10.00 +0.036 +0.000
MUU-5X11X5	5	11	5	5.70 +0.30 +0.00	5.00 -0.010 -0.028	11.00 +0.00 -0.20	5.00 +0.000 -0.048	11.00 +0.043 +0.000
MUU-5X12X6	5	12	6	7.00 +0.30 +0.00	5.00 -0.010 -0.028	12.00 +0.00 -0.20	5.00 +0.000 -0.048	12.00 +0.043 +0.000
MUU-5X15X8	5	15	8	9.00 +0.30 +0.00	5.00 -0.010 -0.028	15.00 +0.00 -0.20	5.00 +0.000 -0.048	15.00 +0.043 +0.000
MUU-6X12X4	6	12	4	5.00 +0.30 +0.00	6.00 -0.010 -0.028	12.00 +0.00 -0.20	6.00 +0.000 -0.048	12.00 +0.043 +0.000
MUU-6X12X6	6	12	6	7.00 +0.30 +0.00	6.00 -0.010 -0.028	12.00 +0.00 -0.20	6.00 +0.000 -0.048	12.00 +0.043 +0.000
MUU-6X12X8	6	12	8	9.00 +0.30 +0.00	6.00 -0.010 -0.028	12.00 +0.00 -0.20	6.00 +0.000 -0.048	12.00 +0.043 +0.000
MUU-8X14X6	8	14	6	7.00 +0.30 +0.00	8.00 -0.013 -0.035	14.00 +0.00 -0.20	8.00 +0.000 -0.058	14.00 +0.043 +0.000
MUU-8X15X8	8	15	8	9.00 +0.30 +0.00	8.00 -0.013 -0.035	15.00 +0.00 -0.20	8.00 +0.000 -0.058	15.00 +0.043 +0.000
MUU-8X16X5.7	8	16	5.7	6.30 +0.30 +0.00	8.00 -0.013 -0.035	16.00 +0.00 -0.20	8.00 +0.000 -0.058	16.00 +0.043 +0.000
MUU-10X16X4	10	16	4	4.50 +0.30 +0.00	10.00 -0.013 -0.035	16.00 +0.00 -0.20	10.00 +0.000 -0.058	16.00 +0.043 +0.000
MUU-10X16X6	10	16	6	7.00 +0.30 +0.00	10.00 -0.013 -0.035	16.00 +0.00 -0.20	10.00 +0.000 -0.058	16.00 +0.043 +0.000
MUU-10X18X5.5	10	18	5.5	6.50 +0.30 +0.00	10.00 -0.013 -0.035	18.00 +0.00 -0.20	10.00 +0.000 -0.058	18.00 +0.043 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-10X18X6	10	18	6	7.00 +0.30 +0.00	10.00 -0.013 -0.035	18.00 +0.00 -0.20	10.00 +0.000 -0.058	18.00 +0.043 +0.000
MUU-10X20X8	10	20	8	9.00 +0.30 +0.00	10.00 -0.013 -0.035	20.00 +0.084 +0.000	10.00 +0.000 -0.058	20.00 +0.052 +0.000
MUU-11.2X19.2X5	11.2	19.2	5	5.70 +0.30 +0.00	11.20 -0.016 -0.043	19.20 +0.00 -0.20	11.20 +0.00 -0.07	19.20 +0.052 +0.000
MUU-11.2X21.2X8	11.2	21.2	8	9.00 +0.30 +0.00	11.20 -0.016 -0.043	21.20 +0.084 +0.000	11.20 +0.00 -0.07	21.20 +0.052 +0.000
MUU-12X18X4.8	12	18	4.8	5.30 +0.30 +0.00	12.00 -0.016 -0.043	18.00 +0.00 -0.20	12.00 +0.00 -0.07	18.00 +0.043 +0.000
MUU-12X18X6	12	18	6	7.00 +0.30 +0.00	12.00 -0.016 -0.043	18.00 +0.00 -0.20	12.00 +0.00 -0.07	18.00 +0.043 +0.000
MUU-12X20X8	12	20	8	9.00 +0.30 +0.00	12.00 -0.016 -0.043	20.00 +0.00 -0.20	12.00 +0.00 -0.07	20.00 +0.052 +0.000
MUU-12X22X5	12	22	5	5.70 +0.30 +0.00	12.00 -0.016 -0.043	22.00 +0.00 -0.20	12.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-12X22X7	12	22	7	8.00 +0.30 +0.00	12.00 -0.016 -0.043	22.00 +0.00 -0.20	12.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-12X22X8	12	22	8	9.00 +0.30 +0.00	12.00 -0.016 -0.043	22.00 +0.00 -0.20	12.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-14X20X4.8	14	20	4.8	5.30 +0.30 +0.00	14.00 -0.016 -0.043	20.00 +0.00 -0.20	14.00 +0.00 -0.07	20.00 +0.052 +0.000
MUU-14X22X5	14	22	5	5.70 +0.30 +0.00	14.00 -0.016 -0.043	22.00 +0.00 -0.20	14.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-14X22X6	14	22	6	7.00 +0.30 +0.00	14.00 -0.016 -0.043	22.00 +0.00 -0.20	14.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-14X24X8	14	24	8	9.00 +0.30 +0.00	14.00 -0.016 -0.043	24.00 +0.084 +0.000	14.00 +0.00 -0.07	24.00 +0.052 +0.000
MUU-15X25X5	15	25	5	5.70 +0.30 +0.00	15.00 -0.016 -0.043	25.00 +0.00 -0.20	15.00 +0.00 -0.07	25.00 +0.052 +0.000
MUU-15X25X8	15	25	8	9.00 +0.30 +0.00	15.00 -0.016 -0.043	25.00 +0.084 +0.000	15.00 +0.00 -0.07	25.00 +0.052 +0.000
MUU-16X22X4	16	22	4	4.50 +0.30 +0.00	16.00 -0.016 -0.043	22.00 +0.00 -0.20	16.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-16X22X5	16	22	5	5.70 +0.30 +0.00	16.00 -0.016 -0.043	22.00 +0.00 -0.20	16.00 +0.00 -0.07	22.00 +0.052 +0.000
MUU-16X24X5	16	24	5	5.70 +0.30 +0.00	16.00 -0.016 -0.043	24.00 +0.00 -0.20	16.00 +0.00 -0.07	24.00 +0.052 +0.000
MUU-16X25X7.1	16	25	7.1	8.25 +0.30 +0.00	16.00 -0.016 -0.043	25.00 +0.00 -0.20	16.00 +0.00 -0.07	25.00 +0.052 +0.000
MUU-16X26X5	16	26	5	5.70 +0.30 +0.00	16.00 -0.016 -0.043	26.00 +0.00 -0.20	16.00 +0.00 -0.07	26.00 +0.052 +0.000
MUU-16X26X8	16	26	8	9.00 +0.30 +0.00	16.00 -0.016 -0.043	26.00 +0.084 +0.000	16.00 +0.00 -0.07	26.00 +0.052 +0.000
MUU-17X25X10	17	25	10	11.00 +0.30 +0.00	17.00 -0.016 -0.043	25.00 +0.00 -0.20	17.00 +0.00 -0.07	25.00 +0.052 +0.000
MUU-18X25X5	18	25	5	5.70 +0.30 +0.00	18.00 -0.016 -0.043	25.00 +0.00 -0.20	18.00 +0.00 -0.07	25.00 +0.052 +0.000
MUU-18X26X5	18	26	5	5.70 +0.30 +0.00	18.00 -0.016 -0.043	26.00 +0.00 -0.20	18.00 +0.00 -0.07	26.00 +0.052 +0.000
MUU-18X26X6.5	18	26	6.5	7.50 +0.30 +0.00	18.00 -0.016 -0.043	26.00 +0.00 -0.20	18.00 +0.00 -0.07	26.00 +0.052 +0.000
MUU-18X26X8	18	26	8	9.00 +0.30 +0.00	18.00 -0.016 -0.043	26.00 +0.00 -0.20	18.00 +0.00 -0.07	26.00 +0.052 +0.000
MUU-18X28X8	18	28	8	9.00 +0.30 +0.00	18.00 -0.016 -0.043	28.00 +0.084 +0.000	18.00 +0.00 -0.07	28.00 +0.052 +0.000
MUU-18X30X8	18	30	8	9.00 +0.30 +0.00	18.00 -0.016 -0.043	30.00 +0.00 -0.20	18.00 +0.00 -0.07	30.00 +0.052 +0.000
MUU-18X34X8	18	34	8	9.00 +0.30 +0.00	18.00 -0.016 -0.043	34.00 +0.00 -0.20	18.00 +0.00 -0.07	34.00 +0.062 +0.000
MUU-20X28X4	20	28	4	4.50 +0.30 +0.00	20.00 -0.020 -0.053	28.00 +0.00 -0.20	20.00 +0.000 -0.084	28.00 +0.052 +0.000
MUU-20X28X5	20	28	5	5.70 +0.30 +0.00	20.00 -0.020 -0.053	28.00 +0.00 -0.20	20.00 +0.000 -0.084	28.00 +0.052 +0.000
MUU-20X28X8	20	28	8	9.00 +0.30 +0.00	20.00 -0.020 -0.053	28.00 +0.00 -0.20	20.00 +0.000 -0.084	28.00 +0.052 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-20X30X8	20	30	8	9.00 +0.30 +0.00	20.00 -0.020 -0.053	30.00 +0.084 +0.000	20.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-20X30X10	20	30	10	11.00 +0.30 +0.00	20.00 -0.020 -0.053	30.00 +0.00 -0.20	20.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-20X32X7.5	20	32	7.5	8.50 +0.30 +0.00	20.00 -0.020 -0.053	32.00 +0.00 -0.20	20.00 +0.000 -0.084	32.00 +0.062 +0.000
MUU-20X35X12	20	35	12	13.00 +0.30 +0.00	20.00 -0.020 -0.053	35.00 +0.00 -0.20	20.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-20X40X10	20	40	10	11.00 +0.30 +0.00	20.00 -0.020 -0.053	40.00 +0.00 -0.20	20.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-20X40X12	20	40	12	13.00 +0.30 +0.00	20.00 -0.020 -0.053	40.00 +0.00 -0.20	20.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-22X28X8	22	28	8	9.00 +0.30 +0.00	22.00 -0.020 -0.053	28.00 +0.00 -0.20	22.00 +0.000 -0.084	28.00 +0.052 +0.000
MUU-22X30X6	22	30	6	7.00 +0.30 +0.00	22.00 -0.020 -0.053	30.00 +0.00 -0.20	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-22X30X7	22	30	7	8.00 +0.30 +0.00	22.00 -0.020 -0.053	30.00 +0.00 -0.20	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-22X30X10	22	30	10	11.00 +0.30 +0.00	22.00 -0.020 -0.053	30.00 +0.00 -0.20	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-22X32X8	22	32	8	9.00 +0.30 +0.00	22.00 -0.020 -0.053	32.00 +0.10 +0.00	22.00 +0.000 -0.084	32.00 +0.062 +0.000
MUU-22X35X10	22	35	10	11.00 +0.30 +0.00	22.00 -0.020 -0.053	35.00 +0.10 +0.00	22.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-22.4X30X5	22.4	30	5	5.70 +0.30 +0.00	22.40 -0.020 -0.053	30.00 +0.00 -0.20	22.40 +0.000 -0.084	30.00 +0.052 +0.000
MUU-23.5X31.5X5	23.5	31.5	5	5.70 +0.30 +0.00	23.50 -0.020 -0.053	31.50 +0.00 -0.20	23.50 +0.000 -0.084	31.50 +0.062 +0.000
MUU-24X32X7	24	32	7	8.00 +0.30 +0.00	24.00 -0.020 -0.053	32.00 +0.00 -0.20	24.00 +0.000 -0.084	32.00 +0.062 +0.000
MUU-24X40X8	24	40	8	9.00 +0.30 +0.00	24.00 -0.020 -0.053	40.00 +0.00 -0.20	24.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-25X30X8	25	30	8	9.00 +0.30 +0.00	25.00 -0.020 -0.053	30.00 +0.00 -0.20	25.00 +0.000 -0.084	30.00 +0.052 +0.000
MUU-25X33X5	25	33	5	5.70 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.00 -0.20	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUU-25X33X5.7	25	33	5.7	6.30 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.00 -0.20	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUU-25X33X8	25	33	8	9.00 +0.30 +0.00	25.00 -0.020 -0.053	33.00 +0.00 -0.20	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUU-25X35X5	25	35	5	5.70 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.00 -0.20	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-25X35X6	25	35	6	7.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.00 -0.20	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-25X35X8	25	35	8	9.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.10 +0.00	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-25X35X10	25	35	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	35.00 +0.00 -0.20	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-25X38X10	25	38	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	38.00 +0.00 -0.20	25.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-25X40X10	25	40	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	40.00 +0.10 +0.00	25.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-25X45X10	25	45	10	11.00 +0.30 +0.00	25.00 -0.020 -0.053	45.00 +0.00 -0.20	25.00 +0.000 -0.084	45.00 +0.062 +0.000
MUU-25X50X12	25	50	12	13.00 +0.30 +0.00	25.00 -0.020 -0.053	50.00 +0.00 -0.20	25.00 +0.000 -0.084	50.00 +0.062 +0.000
MUU-26X34X6	26	34	6	7.00 +0.30 +0.00	26.00 -0.020 -0.053	34.00 +0.00 -0.20	26.00 +0.000 -0.084	34.00 +0.062 +0.000
MUU-26X38X8	26	38	8	9.00 +0.30 +0.00	26.00 -0.020 -0.053	38.00 +0.00 -0.20	26.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-28X35X5	28	35	5	5.70 +0.30 +0.00	28.00 -0.020 -0.053	35.00 +0.00 -0.20	28.00 +0.000 -0.084	35.00 +0.062 +0.000
MUU-28X35.5X5	28	35.5	5	5.70 +0.30 +0.00	28.00 -0.020 -0.053	35.50 +0.00 -0.20	28.00 +0.000 -0.084	35.50 +0.062 +0.000
MUU-28X36X5	28	36	5	5.70 +0.30 +0.00	28.00 -0.020 -0.053	36.00 +0.00 -0.20	28.00 +0.000 -0.084	36.00 +0.062 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-28X36X6.5	28	36	6.5	7.50 +0.30 +0.00	28.00 -0.020 -0.053	36.00 +0.00 -0.20	28.00 +0.000 -0.084	36.00 +0.062 +0.000
MUU-28X38X7	28	38	7	8.00 +0.30 +0.00	28.00 -0.020 -0.053	38.00 +0.00 -0.20	28.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-28X38X8	28	38	8	9.00 +0.30 +0.00	28.00 -0.020 -0.053	38.00 +0.00 -0.20	28.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-28X38X10	28	38	10	11.00 +0.30 +0.00	28.00 -0.020 -0.053	38.00 +0.00 -0.20	28.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-28X40X8	28	40	8	9.00 +0.30 +0.00	28.00 -0.020 -0.053	40.00 +0.00 -0.20	28.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-28X40X10	28	40	10	11.00 +0.30 +0.00	28.00 -0.020 -0.053	40.00 +0.10 +0.00	28.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-28X43X10	28	43	10	11.00 +0.30 +0.00	28.00 -0.020 -0.053	43.00 +0.10 +0.00	28.00 +0.000 -0.084	43.00 +0.062 +0.000
MUU-28X44X8	28	44	8	9.00 +0.30 +0.00	28.00 -0.020 -0.053	44.00 +0.00 -0.20	28.00 +0.000 -0.084	44.00 +0.062 +0.000
MUU-30X38X5	30	38	5	5.70 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.00 -0.20	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-30X38X5.5	30	38	5.5	6.50 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.00 -0.20	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-30X38X5.8	30	38	5.8	6.50 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.00 -0.20	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-30X38X6	30	38	6	7.00 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.00 -0.20	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-30X38X7	30	38	7	8.00 +0.30 +0.00	30.00 -0.020 -0.053	38.00 +0.00 -0.20	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUU-30X40X5	30	40	5	5.70 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.00 -0.20	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-30X40X6	30	40	6	7.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.00 -0.20	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-30X40X7	30	40	7	8.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.00 -0.20	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-30X40X10	30	40	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	40.00 +0.00 -0.20	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUU-30X42X9	30	42	9	10.00 +0.30 +0.00	30.00 -0.020 -0.053	42.00 +0.00 -0.20	30.00 +0.000 -0.084	42.00 +0.062 +0.000
MUU-30X42X10	30	42	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	42.00 +0.00 -0.20	30.00 +0.000 -0.084	42.00 +0.062 +0.000
MUU-30X45X10	30	45	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	45.00 +0.10 +0.00	30.00 +0.000 -0.084	45.00 +0.062 +0.000
MUU-30X50X10	30	50	10	11.00 +0.30 +0.00	30.00 -0.020 -0.053	50.00 +0.00 -0.20	30.00 +0.000 -0.084	50.00 +0.062 +0.000
MUU-31.5X41.5X6	31.5	41.5	6	7.00 +0.30 +0.00	31.50 -0.025 -0.064	41.50 +0.00 -0.20	31.50 +0.00 -0.10	41.50 +0.062 +0.000
MUU-32X40X5	32	40	5	5.70 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X40X5.5	32	40	5.5	6.50 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X40X5.7	32	40	5.7	6.70 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X40X6	32	40	6	7.00 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X40X8	32	40	8	9.00 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X40X10	32	40	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	40.00 +0.00 -0.20	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUU-32X42X5.6	32	42	5.6	6.60 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.00 -0.20	32.00 +0.00 -0.10	42.00 +0.062 +0.000
MUU-32X42X5.8	32	42	5.8	6.80 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.00 -0.20	32.00 +0.00 -0.10	42.00 +0.062 +0.000
MUU-32X42X10	32	42	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	42.00 +0.00 -0.20	32.00 +0.00 -0.10	42.00 +0.062 +0.000
MUU-32X45X10	32	45	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	45.00 +0.00 -0.20	32.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-32X46X10	32	46	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	46.00 +0.10 +0.00	32.00 +0.00 -0.10	46.00 +0.062 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-32X47X10	32	47	10	11.00 +0.30 +0.00	32.00 -0.025 -0.064	47.00 +0.00 -0.20	32.00 +0.00 -0.10	47.00 +0.062 +0.000
MUU-35X42X8	35	42	8	9.00 +0.30 +0.00	35.00 -0.025 -0.064	42.00 +0.00 -0.20	35.00 +0.00 -0.10	42.00 +0.062 +0.000
MUU-35X43X6	35	43	6	7.00 +0.30 +0.00	35.00 -0.025 -0.064	43.00 +0.00 -0.20	35.00 +0.00 -0.10	43.00 +0.062 +0.000
MUU-35X45X5	35	45	5	5.70 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-35X45X6	35	45	6	7.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-35X45X7	35	45	7	8.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-35X45X8	35	45	8	9.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-35X45X10	35	45	10	11.00 +0.30 +0.00	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-35X48X10	35	48	10	11.00 +0.30 +0.00	35.00 -0.025 -0.064	48.00 +0.00 -0.20	35.00 +0.00 -0.10	48.00 +0.062 +0.000
MUU-35X50X8	35	50	8	9.00 +0.30 +0.00	35.00 -0.025 -0.064	50.00 +0.00 -0.20	35.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-35X50X10	35	50	10	11.00 +0.30 +0.00	35.00 -0.025 -0.064	50.00 +0.10 +0.00	35.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-35X55X10	35	55	10	11.00 +0.30 +0.00	35.00 -0.025 -0.064	55.00 +0.00 -0.20	35.00 +0.00 -0.10	55.00 +0.074 +0.000
MUU-35.5X45X6	35.5	45	6	7.00 +0.30 +0.00	35.50 -0.025 -0.064	45.00 +0.00 -0.20	35.50 +0.00 -0.10	45.00 +0.062 +0.000
MUU-36X45X10	36	45	10	11.00 +0.30 +0.00	36.00 -0.025 -0.064	45.00 +0.00 -0.20	36.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-36X46X7	36	46	7	8.00 +0.30 +0.00	36.00 -0.025 -0.064	46.00 +0.00 -0.20	36.00 +0.00 -0.10	46.00 +0.062 +0.000
MUU-36X46X7.5	36	46	7.5	8.50 +0.30 +0.00	36.00 -0.025 -0.064	46.00 +0.00 -0.20	36.00 +0.00 -0.10	46.00 +0.062 +0.000
MUU-36X46X10	36	46	10	11.00 +0.30 +0.00	36.00 -0.025 -0.064	46.00 +0.00 -0.20	36.00 +0.00 -0.10	46.00 +0.062 +0.000
MUU-38X45X5	38	45	5	5.70 +0.30 +0.00	38.00 -0.025 -0.064	45.00 +0.00 -0.20	38.00 +0.00 -0.10	45.00 +0.062 +0.000
MUU-38X48X6	38	48	6	7.00 +0.30 +0.00	38.00 -0.025 -0.064	48.00 +0.00 -0.20	38.00 +0.00 -0.10	48.00 +0.062 +0.000
MUU-38X50X9	38	50	9	10.00 +0.30 +0.00	38.00 -0.025 -0.064	50.00 +0.00 -0.20	38.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-38X50X10	38	50	10	11.00 +0.30 +0.00	38.00 -0.025 -0.064	50.00 +0.00 -0.20	38.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-38X58X10	38	58	10	11.00 +0.30 +0.00	38.00 -0.025 -0.064	58.00 +0.00 -0.20	38.00 +0.00 -0.10	58.00 +0.074 +0.000
MUU-40X48X8	40	48	8	9.00 +0.30 +0.00	40.00 -0.025 -0.064	48.00 +0.00 -0.20	40.00 +0.00 -0.10	48.00 +0.062 +0.000
MUU-40X50X5	40	50	5	5.70 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-40X50X6	40	50	6	7.00 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-40X50X6.5	40	50	6.5	7.50 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-40X50X8	40	50	8	9.00 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-40X50X10	40	50	10	11.00 +0.30 +0.00	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-40X52X6	40	52	6	7.00 +0.30 +0.00	40.00 -0.025 -0.064	52.00 +0.00 -0.20	40.00 +0.00 -0.10	52.00 +0.074 +0.000
MUU-40X52X9	40	52	9	10.00 +0.30 +0.00	40.00 -0.025 -0.064	52.00 +0.00 -0.20	40.00 +0.00 -0.10	52.00 +0.074 +0.000
MUU-40X55X10	40	55	10	11.00 +0.30 +0.00	40.00 -0.025 -0.064	55.00 +0.12 +0.00	40.00 +0.00 -0.10	55.00 +0.074 +0.000
MUU-40X56X8	40	56	8	9.00 +0.30 +0.00	40.00 -0.025 -0.064	56.00 +0.00 -0.20	40.00 +0.00 -0.10	56.00 +0.074 +0.000
MUU-40X56X10	40	56	10	11.00 +0.30 +0.00	40.00 -0.025 -0.064	56.00 +0.12 +0.00	40.00 +0.00 -0.10	56.00 +0.074 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-40X60X10	40	60	10	11.00 +0.30 +0.00	40.00 -0.025 -0.064	60.00 +0.00 -0.20	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-40X60X12	40	60	12	13.00 +0.30 +0.00	40.00 -0.025 -0.064	60.00 +0.12 +0.00	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-40X60X13	40	60	13	14.00 +0.30 +0.00	40.00 -0.025 -0.064	60.00 +0.00 -0.20	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-40X60X18	40	60	18	19.00 +0.30 +0.00	40.00 -0.025 -0.064	60.00 +0.00 -0.20	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-40X65X12	40	65	12	13.00 +0.30 +0.00	40.00 -0.025 -0.064	65.00 +0.00 -0.20	40.00 +0.00 -0.10	65.00 +0.074 +0.000
MUU-42X50X8	42	50	8	9.00 +0.30 +0.00	42.00 -0.025 -0.064	50.00 +0.00 -0.20	42.00 +0.00 -0.10	50.00 +0.062 +0.000
MUU-42X52X6	42	52	6	7.00 +0.30 +0.00	42.00 -0.025 -0.064	52.00 +0.00 -0.20	42.00 +0.00 -0.10	52.00 +0.074 +0.000
MUU-42X52X9	42	52	9	10.00 +0.30 +0.00	42.00 -0.025 -0.064	52.00 +0.00 -0.20	42.00 +0.00 -0.10	52.00 +0.074 +0.000
MUU-43X63X10	43	63	10	11.00 +0.30 +0.00	43.00 -0.025 -0.064	63.00 +0.00 -0.20	43.00 +0.00 -0.10	63.00 +0.074 +0.000
MUU-45X55X6	45	55	6	7.00 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.00 -0.20	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUU-45X55X6.5	45	55	6.5	7.50 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.00 -0.20	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUU-45X55X10	45	55	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	55.00 +0.00 -0.20	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUU-45X56X7	45	56	7	8.00 +0.30 +0.00	45.00 -0.025 -0.064	56.00 +0.00 -0.20	45.00 +0.00 -0.10	56.00 +0.074 +0.000
MUU-45X58X10	45	58	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	58.00 +0.00 -0.20	45.00 +0.00 -0.10	58.00 +0.074 +0.000
MUU-45X58X12	45	58	12	13.00 +0.30 +0.00	45.00 -0.025 -0.064	58.00 +0.00 -0.20	45.00 +0.00 -0.10	58.00 +0.074 +0.000
MUU-45X60X7.5	45	60	7.5	8.50 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.00 -0.20	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-45X60X10	45	60	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.12 +0.00	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-45X60X11	45	60	11	12.00 +0.30 +0.00	45.00 -0.025 -0.064	60.00 +0.00 -0.20	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-45X63X10	45	63	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	63.00 +0.00 -0.20	45.00 +0.00 -0.10	63.00 +0.074 +0.000
MUU-45X65X10	45	65	10	11.00 +0.30 +0.00	45.00 -0.025 -0.064	65.00 +0.00 -0.20	45.00 +0.00 -0.10	65.00 +0.074 +0.000
MUU-45X65X12	45	65	12	13.00 +0.30 +0.00	45.00 -0.025 -0.064	65.00 +0.00 -0.20	45.00 +0.00 -0.10	65.00 +0.074 +0.000
MUU-45X70X12	45	70	12	13.00 +0.30 +0.00	45.00 -0.025 -0.064	70.00 +0.00 -0.20	45.00 +0.00 -0.10	70.00 +0.074 +0.000
MUU-48X58X10	48	58	10	11.00 +0.30 +0.00	48.00 -0.025 -0.064	58.00 +0.00 -0.20	48.00 +0.00 -0.10	58.00 +0.074 +0.000
MUU-48X63X10	48	63	10	11.00 +0.30 +0.00	48.00 -0.025 -0.064	63.00 +0.12 +0.00	48.00 +0.00 -0.10	63.00 +0.074 +0.000
MUU-50X60X5	50	60	5	5.70 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.00 -0.20	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-50X60X6	50	60	6	7.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.00 -0.20	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-50X60X10	50	60	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	60.00 +0.00 -0.20	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUU-50X62X9	50	62	9	10.00 +0.30 +0.00	50.00 -0.025 -0.064	62.00 +0.00 -0.20	50.00 +0.00 -0.10	62.00 +0.074 +0.000
MUU-50X63X6	50	63	6	7.00 +0.30 +0.00	50.00 -0.025 -0.064	63.00 +0.00 -0.20	50.00 +0.00 -0.10	63.00 +0.074 +0.000
MUU-50X63X10	50	63	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	63.00 +0.00 -0.20	50.00 +0.00 -0.10	63.00 +0.074 +0.000
MUU-50X65X7.5	50	65	7.5	8.50 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.00 -0.20	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUU-50X65X10	50	65	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.12 +0.00	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUU-50X65X11	50	65	11	12.00 +0.30 +0.00	50.00 -0.025 -0.064	65.00 +0.00 -0.20	50.00 +0.00 -0.10	65.00 +0.074 +0.000

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-50X70X10	50	70	10	11.00 +0.30 +0.00	50.00 -0.025 -0.064	70.00 +0.00 -0.20	50.00 +0.00 -0.10	70.00 +0.074 +0.000
MUU-50X70X12	50	70	12	13.00 +0.30 +0.00	50.00 -0.025 -0.064	70.00 +0.12 +0.00	50.00 +0.00 -0.10	70.00 +0.074 +0.000
MUU-50X75X12	50	75	12	13.00 +0.30 +0.00	50.00 -0.025 -0.064	75.00 +0.00 -0.20	50.00 +0.00 -0.10	75.00 +0.074 +0.000
MUU-52X62X12	52	62	12	13.00 +0.30 +0.00	52.00 -0.030 -0.076	62.00 +0.00 -0.20	52.00 +0.00 -0.12	62.00 +0.074 +0.000
MUU-53X63X5	53	63	5	5.70 +0.30 +0.00	53.00 -0.030 -0.076	63.00 +0.00 -0.20	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MUU-53X63X6	53	63	6	7.00 +0.30 +0.00	53.00 -0.030 -0.076	63.00 +0.00 -0.20	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MUU-53X63X6.5	53	63	6.5	7.50 +0.30 +0.00	53.00 -0.030 -0.076	63.00 +0.00 -0.20	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MUU-55X63X5	55	63	5	5.70 +0.30 +0.00	55.00 -0.030 -0.076	63.00 +0.00 -0.20	55.00 +0.00 -0.12	63.00 +0.074 +0.000
MUU-55X65X5	55	65	5	5.70 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.00 -0.20	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUU-55X65X6	55	65	6	7.00 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.00 -0.20	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUU-55X65X10	55	65	10	11.00 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.00 -0.20	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUU-55X65X12	55	65	12	13.00 +0.30 +0.00	55.00 -0.030 -0.076	65.00 +0.00 -0.20	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUU-55X70X10	55	70	10	11.00 +0.30 +0.00	55.00 -0.030 -0.076	70.00 +0.00 -0.20	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-55X70X12	55	70	12	13.00 +0.30 +0.00	55.00 -0.030 -0.076	70.00 +0.00 -0.20	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-55X75X10	55	75	10	11.00 +0.30 +0.00	55.00 -0.030 -0.076	75.00 +0.00 -0.20	55.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-55X75X12	55	75	12	13.00 +0.30 +0.00	55.00 -0.030 -0.076	75.00 +0.12 +0.00	55.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-56X66X6	56	66	6	7.00 +0.30 +0.00	56.00 -0.030 -0.076	66.00 +0.00 -0.20	56.00 +0.00 -0.12	66.00 +0.074 +0.000
MUU-56X71X11	56	71	11	12.00 +0.30 +0.00	56.00 -0.030 -0.076	71.00 +0.00 -0.20	56.00 +0.00 -0.12	71.00 +0.074 +0.000
MUU-58X68X6	58	68	6	7.00 +0.30 +0.00	58.00 -0.030 -0.076	68.00 +0.00 -0.20	58.00 +0.00 -0.12	68.00 +0.074 +0.000
MUU-60X68X8	60	68	8	9.00 +0.30 +0.00	60.00 -0.030 -0.076	68.00 +0.00 -0.20	60.00 +0.00 -0.12	68.00 +0.074 +0.000
MUU-60X68X10	60	68	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	68.00 +0.00 -0.20	60.00 +0.00 -0.12	68.00 +0.074 +0.000
MUU-60X70X5	60	70	5	5.70 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-60X70X6	60	70	6	7.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-60X70X7.5	60	70	7.5	8.50 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-60X70X8	60	70	8	9.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-60X70X10	60	70	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUU-60X70X12	60	70	12	13.00 +0.30 +0.00	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.01 +0.00	70.00 +0.074 +0.000
MUU-60X75X10	60	75	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	75.00 +0.00 -0.20	60.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-60X75X12	60	75	12	13.00 +0.30 +0.00	60.00 -0.030 -0.076	75.00 +0.00 -0.20	60.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-60X80X10	60	80	10	11.00 +0.30 +0.00	60.00 -0.030 -0.076	80.00 +0.00 -0.20	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-60X80X12	60	80	12	13.00 +0.30 +0.00	60.00 -0.030 -0.076	80.00 +0.12 +0.00	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-60X80X18	60	80	18	19.00 +0.30 +0.00	60.00 -0.030 -0.076	80.00 +0.00 -0.20	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-63X73X6	63	73	6	7.00 +0.30 +0.00	63.00 -0.030 -0.076	73.00 +0.00 -0.20	63.00 +0.00 -0.12	73.00 +0.074 +0.000



STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-63X73X7.5	63	73	7.5	8.50 +0.30 +0.00	63.00 -0.030 -0.076	73.00 +0.00 -0.20	63.00 +0.00 -0.12	73.00 +0.074 +0.000
MUU-63X75X10	63	75	10	11.00 +0.30 +0.00	63.00 -0.030 -0.076	75.00 +0.00 -0.20	63.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-63X78X10	63	78	10	11.00 +0.30 +0.00	63.00 -0.030 -0.076	78.00 +0.00 -0.20	63.00 +0.00 -0.12	78.00 +0.074 +0.000
MUU-63X78X11	63	78	11	12.00 +0.30 +0.00	63.00 -0.030 -0.076	78.00 +0.00 -0.20	63.00 +0.00 -0.12	78.00 +0.074 +0.000
MUU-63X80X9	63	80	9	10.00 +0.30 +0.00	63.00 -0.030 -0.076	80.00 +0.00 -0.20	63.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-63X80X10	63	80	10	11.00 +0.30 +0.00	63.00 -0.030 -0.076	80.00 +0.00 -0.20	63.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-65X75X6	65	75	6	7.00 +0.30 +0.00	65.00 -0.030 -0.076	75.00 +0.00 -0.20	65.00 +0.00 -0.12	75.00 +0.074 +0.000
MUU-65X80X7.5	65	80	7.5	8.50 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.00 -0.20	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-65X80X11	65	80	11	12.00 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.00 -0.20	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-65X80X12	65	80	12	13.00 +0.30 +0.00	65.00 -0.030 -0.076	80.00 +0.00 -0.20	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-65X85X10	65	85	10	11.00 +0.30 +0.00	65.00 -0.030 -0.076	85.00 +0.00 -0.20	65.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-65X85X12	65	85	12	13.00 +0.30 +0.00	65.00 -0.030 -0.076	85.00 +0.14 +0.00	65.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-65X90X18.5	65	90	18.5	19.50 +0.30 +0.00	65.00 -0.030 -0.076	90.00 +0.00 -0.20	65.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-66X80X10	66	80	10	11.00 +0.30 +0.00	66.00 -0.030 -0.076	80.00 +0.00 -0.20	66.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-66X80X13	66	80	13	14.00 +0.30 +0.00	66.00 -0.030 -0.076	80.00 +0.00 -0.20	66.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-67X77X6	67	77	6	7.00 +0.30 +0.00	67.00 -0.030 -0.076	77.00 +0.00 -0.20	67.00 +0.00 -0.12	77.00 +0.074 +0.000
MUU-70X80X5	70	80	5	5.70 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-70X80X6	70	80	6	7.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-70X80X8	70	80	8	9.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-70X80X10	70	80	10	11.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-70X80X12	70	80	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-70X82X9	70	82	9	10.00 +0.30 +0.00	70.00 -0.030 -0.076	82.00 +0.00 -0.20	70.00 +0.00 -0.12	82.00 +0.087 +0.000
MUU-70X85X8.4	70	85	8.4	9.50 +0.30 +0.00	70.00 -0.030 -0.076	85.00 +0.00 -0.20	70.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-70X85X12	70	85	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	85.00 +0.00 -0.20	70.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-70X90X10	70	90	10	11.00 +0.30 +0.00	70.00 -0.030 -0.076	90.00 +0.00 -0.20	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-70X90X12	70	90	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	90.00 +0.14 +0.00	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-70X90X18	70	90	18	19.00 +0.30 +0.00	70.00 -0.030 -0.076	90.00 +0.00 -0.20	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-70X95X10	70	95	10	11.00 +0.30 +0.00	70.00 -0.030 -0.076	95.00 +0.00 -0.20	70.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-70X95X12	70	95	12	13.00 +0.30 +0.00	70.00 -0.030 -0.076	95.00 +0.00 -0.20	70.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-71X80X6	71	80	6	7.00 +0.30 +0.00	71.00 -0.030 -0.076	80.00 +0.00 -0.20	71.00 +0.00 -0.12	80.00 +0.074 +0.000
MUU-75X85X6	75	85	6	7.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.00 -0.20	75.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-75X85X10	75	85	10	11.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.00 -0.20	75.00 +0.00 -0.12	85.00 +0.087 +0.000
MUU-75X85X12	75	85	12	13.00 +0.30 +0.00	75.00 -0.030 -0.076	85.00 +0.00 -0.20	75.00 +0.00 -0.12	85.00 +0.087 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-75X90X7.5	75	90	7.5	8.50 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.00 -0.20	75.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-75X90X10	75	90	10	11.00 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.00 -0.20	75.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-75X90X12	75	90	12	13.00 +0.30 +0.00	75.00 -0.030 -0.076	90.00 +0.00 -0.20	75.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-75X95X10	75	95	10	11.00 +0.30 +0.00	75.00 -0.030 -0.076	95.00 +0.00 -0.20	75.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-75X95X12	75	95	12	13.00 +0.30 +0.00	75.00 -0.030 -0.076	95.00 +0.14 +0.00	75.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X90X5	80	90	5	5.70 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X90X6	80	90	6	7.00 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X90X8	80	90	8	9.00 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X90X10	80	90	10	11.00 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X90X12	80	90	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X90X13.5	80	90	13.5	14.50 +0.30 +0.00	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUU-80X95X7.5	80	95	7.5	8.50 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.00 -0.20	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X95X8.4	80	95	8.4	9.50 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.00 -0.20	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X95X9	80	95	9	10.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.00 -0.20	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X95X10	80	95	10	11.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.00 -0.20	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X95X12	80	95	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	95.00 +0.00 -0.20	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUU-80X100X10	80	100	10	11.00 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.00 -0.20	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUU-80X100X12	80	100	12	13.00 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.14 +0.00	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUU-80X100X13.5	80	100	13.5	14.50 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.00 -0.20	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUU-80X100X18	80	100	18	19.00 +0.30 +0.00	80.00 -0.030 -0.076	100.00 +0.00 -0.20	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUU-84X104X12	84	104	12	13.00 +0.30 +0.00	84.00 -0.036 -0.090	104.00 +0.00 -0.20	84.00 +0.00 -0.14	104.00 +0.087 +0.000
MUU-85X95X8.5	85	95	8.5	9.50 +0.30 +0.00	85.00 -0.036 -0.090	95.00 +0.00 -0.20	85.00 +0.00 -0.14	95.00 +0.087 +0.000
MUU-85X95X12	85	95	12	13.00 +0.30 +0.00	85.00 -0.036 -0.090	95.00 +0.00 -0.20	85.00 +0.00 -0.14	95.00 +0.087 +0.000
MUU-85X100X7.5	85	100	7.5	8.50 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.00 -0.20	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-85X100X9	85	100	9	10.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.00 -0.20	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-85X100X11	85	100	11	12.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.00 -0.20	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-85X100X12	85	100	12	13.00 +0.30 +0.00	85.00 -0.036 -0.090	100.00 +0.00 -0.20	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-85X105X10	85	105	10	11.00 +0.30 +0.00	85.00 -0.036 -0.090	105.00 +0.00 -0.20	85.00 +0.00 -0.14	105.00 +0.087 +0.000
MUU-85X105X12	85	105	12	13.00 +0.30 +0.00	85.00 -0.036 -0.090	105.00 +0.14 +0.00	85.00 +0.00 -0.14	105.00 +0.087 +0.000
MUU-90X100X7	90	100	7	8.00 +0.30 +0.00	90.00 -0.036 -0.090	100.00 +0.00 -0.20	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-90X100X8	90	100	8	9.00 +0.30 +0.00	90.00 -0.036 -0.090	100.00 +0.00 -0.20	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-90X100X12	90	100	12	13.00 +0.30 +0.00	90.00 -0.036 -0.090	100.00 +0.00 -0.20	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MUU-90X105X9	90	105	9	10.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.00 -0.20	90.00 +0.00 -0.14	105.00 +0.087 +0.000



STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-90X105X12	90	105	12	13.00 +0.30 +0.00	90.00 -0.036 -0.090	105.00 +0.00 -0.20	90.00 +0.00 -0.14	105.00 +0.087 +0.000
MUU-90X110X10	90	110	10	11.00 +0.30 +0.00	90.00 -0.036 -0.090	110.00 +0.00 -0.20	90.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-90X110X12	90	110	12	13.00 +0.30 +0.00	90.00 -0.036 -0.090	110.00 +0.14 +0.00	90.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-90X115X15	90	115	15	16.00 +0.30 +0.00	90.00 -0.036 -0.090	115.00 +0.00 -0.20	90.00 +0.00 -0.14	115.00 +0.087 +0.000
MUU-95X110X9	95	110	9	10.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.00 -0.20	95.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-95X110X10	95	110	10	11.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.00 -0.20	95.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-95X110X12	95	110	12	13.00 +0.30 +0.00	95.00 -0.036 -0.090	110.00 +0.00 -0.20	95.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-95X115X12	95	115	12	13.00 +0.30 +0.00	95.00 -0.036 -0.090	115.00 +0.14 +0.00	95.00 +0.00 -0.14	115.00 +0.087 +0.000
MUU-98X112X9	98	112	9	10.00 +0.30 +0.00	98.00 -0.036 -0.090	112.00 +0.14 +0.00	98.00 +0.00 -0.14	112.00 +0.087 +0.000
MUU-100X110X5	100	110	5	5.70 +0.30 +0.00	100.00 -0.036 -0.090	110.00 +0.00 -0.20	100.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-100X110X8	100	110	8	9.00 +0.30 +0.00	100.00 -0.036 -0.090	110.00 +0.00 -0.20	100.00 +0.00 -0.14	110.00 +0.087 +0.000
MUU-100X115X9	100	115	9	10.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.00 -0.20	100.00 +0.00 -0.14	115.00 +0.087 +0.000
MUU-100X115X12	100	115	12	13.00 +0.30 +0.00	100.00 -0.036 -0.090	115.00 +0.00 -0.20	100.00 +0.00 -0.14	115.00 +0.087 +0.000
MUU-100X120X12	100	120	12	13.00 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.14 +0.00	100.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-100X120X13.5	100	120	13.5	14.50 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.00 -0.20	100.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-100X120X15	100	120	15	16.00 +0.30 +0.00	100.00 -0.036 -0.090	120.00 +0.00 -0.20	100.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-100X125X15	100	125	15	17.00 +0.30 +0.00	100.00 -0.036 -0.090	125.00 +0.16 +0.00	100.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-105X120X8	105	120	8	9.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.00 -0.20	105.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-105X120X15	105	120	15	16.00 +0.30 +0.00	105.00 -0.036 -0.090	120.00 +0.00 -0.20	105.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-105X125X11.4	105	125	11.4	12.50 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.00 -0.20	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-105X125X12	105	125	12	13.00 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.00 -0.20	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-105X125X15	105	125	15	17.00 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.16 +0.00	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-105X125X16	105	125	16	17.00 +0.30 +0.00	105.00 -0.036 -0.090	125.00 +0.00 -0.20	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-105X130X12	105	130	12	13.00 +0.30 +0.00	105.00 -0.036 -0.090	130.00 +0.00 -0.20	105.00 +0.00 -0.14	130.00 +0.10 +0.00
MUU-106X120X8.5	106	120	8.5	9.50 +0.30 +0.00	106.00 -0.036 -0.090	120.00 +0.00 -0.20	106.00 +0.00 -0.14	120.00 +0.087 +0.000
MUU-110X125X12	110	125	12	13.00 +0.30 +0.00	110.00 -0.036 -0.090	125.00 +0.00 -0.20	110.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-110X125X15	110	125	15	16.00 +0.30 +0.00	110.00 -0.036 -0.090	125.00 +0.00 -0.20	110.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-110X130X10	110	130	10	11.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.00 -0.20	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUU-110X130X15	110	130	15	17.00 +0.30 +0.00	110.00 -0.036 -0.090	130.00 +0.16 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUU-112X125X9	112	125	9	10.00 +0.30 +0.00	112.00 -0.036 -0.090	125.00 +0.00 -0.20	112.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-115X125X12	115	125	12	13.00 +0.30 +0.00	115.00 -0.036 -0.090	125.00 +0.00 -0.20	115.00 +0.00 -0.14	125.00 +0.10 +0.00
MUU-115X130X11	115	130	11	12.00 +0.30 +0.00	115.00 -0.036 -0.090	130.00 +0.00 -0.20	115.00 +0.00 -0.14	130.00 +0.10 +0.00
MUU-115X135X15	115	135	15	17.00 +0.30 +0.00	115.00 -0.036 -0.090	135.00 +0.16 +0.00	115.00 +0.00 -0.14	135.00 +0.10 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-120X130X14	120	130	14	15.00 +0.30 +0.00	120.00 -0.036 -0.090	130.00 +0.00 -0.20	120.00 +0.00 -0.14	130.00 +0.10 +0.00
MUU-120X140X10	120	140	10	11.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.00 -0.20	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUU-120X140X12	120	140	12	13.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.00 -0.20	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUU-120X140X15	120	140	15	17.00 +0.30 +0.00	120.00 -0.036 -0.090	140.00 +0.16 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUU-125X140X11	125	140	11	12.00 +0.30 +0.00	125.00 -0.043 -0.106	140.00 +0.00 -0.20	125.00 +0.00 -0.16	140.00 +0.10 +0.00
MUU-125X140X12	125	140	12	13.00 +0.30 +0.00	125.00 -0.043 -0.106	140.00 +0.00 -0.20	125.00 +0.00 -0.16	140.00 +0.10 +0.00
MUU-125X145X15	125	145	15	17.00 +0.30 +0.00	125.00 -0.043 -0.106	145.00 +0.16 +0.00	125.00 +0.00 -0.16	145.00 +0.10 +0.00
MUU-125X150X12	125	150	12	13.00 +0.30 +0.00	125.00 -0.043 -0.106	150.00 +0.00 -0.20	125.00 +0.00 -0.16	150.00 +0.10 +0.00
MUU-125X150X18	125	150	18	19.00 +0.30 +0.00	125.00 -0.043 -0.106	150.00 +0.00 -0.20	125.00 +0.00 -0.16	150.00 +0.10 +0.00
MUU-135X150X15	135	150	15	16.00 +0.30 +0.00	135.00 -0.043 -0.106	150.00 +0.00 -0.20	135.00 +0.00 -0.16	150.00 +0.10 +0.00
MUU-136X150X9	136	150	9	10.00 +0.30 +0.00	136.00 -0.043 -0.106	150.00 +0.16 +0.00	136.00 +0.00 -0.16	150.00 +0.10 +0.00
MUU-140X155X8.9	140	155	8.9	10.00 +0.30 +0.00	140.00 -0.043 -0.106	155.00 +0.00 -0.20	140.00 +0.00 -0.16	155.00 +0.10 +0.00
MUU-140X155X9	140	155	9	10.00 +0.30 +0.00	140.00 -0.043 -0.106	155.00 +0.00 -0.20	140.00 +0.00 -0.16	155.00 +0.10 +0.00
MUU-140X160X15	140	160	15	17.00 +0.30 +0.00	140.00 -0.043 -0.106	160.00 +0.16 +0.00	140.00 +0.00 -0.16	160.00 +0.10 +0.00
MUU-140X165X15	140	165	15	17.00 +0.30 +0.00	140.00 -0.043 -0.106	165.00 +0.16 +0.00	140.00 +0.00 -0.16	165.00 +0.10 +0.00
MUU-145X160X9	145	160	9	10.00 +0.30 +0.00	145.00 -0.043 -0.106	160.00 +0.00 -0.20	145.00 +0.00 -0.16	160.00 +0.10 +0.00
MUU-145X165X15	145	165	15	17.00 +0.30 +0.00	145.00 -0.043 -0.106	165.00 +0.16 +0.00	145.00 +0.00 -0.16	165.00 +0.10 +0.00
MUU-150X165X8.9	150	165	8.9	10.00 +0.30 +0.00	150.00 -0.043 -0.106	165.00 +0.00 -0.20	150.00 +0.00 -0.16	165.00 +0.10 +0.00
MUU-150X170X15	150	170	15	17.00 +0.30 +0.00	150.00 -0.043 -0.106	170.00 +0.16 +0.00	150.00 +0.00 -0.16	170.00 +0.10 +0.00
MUU-150X180X13.5	150	180	13.5	14.50 +0.30 +0.00	150.00 -0.043 -0.106	180.00 +0.00 -0.20	150.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-155X170X10	155	170	10	11.00 +0.30 +0.00	155.00 -0.043 -0.106	170.00 +0.00 -0.20	155.00 +0.00 -0.16	170.00 +0.10 +0.00
MUU-155X180X15	155	180	15	17.00 +0.30 +0.00	155.00 -0.043 -0.106	180.00 +0.16 +0.00	155.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-160X175X9	160	175	9	10.00 +0.30 +0.00	160.00 -0.043 -0.106	175.00 +0.00 -0.20	160.00 +0.00 -0.16	175.00 +0.10 +0.00
MUU-160X180X10	160	180	10	11.00 +0.30 +0.00	160.00 -0.043 -0.106	180.00 +0.00 -0.20	160.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-160X180X14.5-E	160	180	14.5	16.00 +0.30 +0.00	160.00 -0.043 -0.106	180.00 +0.00 -0.20	160.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-160X185X15	160	185	15	17.00 +0.30 +0.00	160.00 -0.043 -0.106	185.00 +0.185 +0.000	160.00 +0.00 -0.16	185.00 +0.115 +0.000
MUU-160X190X22	160	190	22	23.00 +0.30 +0.00	160.00 -0.043 -0.106	190.00 +0.00 -0.20	160.00 +0.00 -0.16	190.00 +0.115 +0.000
MUU-165X180X9	165	180	9	10.00 +0.30 +0.00	165.00 -0.043 -0.106	180.00 +0.00 -0.20	165.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-165X180X9.5	165	180	9.5	10.50 +0.30 +0.00	165.00 -0.043 -0.106	180.00 +0.00 -0.20	165.00 +0.00 -0.16	180.00 +0.10 +0.00
MUU-165X190X15	165	190	15	17.00 +0.30 +0.00	165.00 -0.043 -0.106	190.00 +0.185 +0.000	165.00 +0.00 -0.16	190.00 +0.115 +0.000
MUU-165X195X7.6	165	195	7.6	8.50 +0.30 +0.00	165.00 -0.043 -0.106	195.00 +0.00 -0.20	165.00 +0.00 -0.16	195.00 +0.115 +0.000
MUU-170X190X15	170	190	15	16.00 +0.30 +0.00	170.00 -0.043 -0.106	190.00 +0.00 -0.20	170.00 +0.00 -0.16	190.00 +0.115 +0.000
MUU-170X195X15	170	195	15	17.00 +0.30 +0.00	170.00 -0.043 -0.106	195.00 +0.185 +0.000	170.00 +0.00 -0.16	195.00 +0.115 +0.000

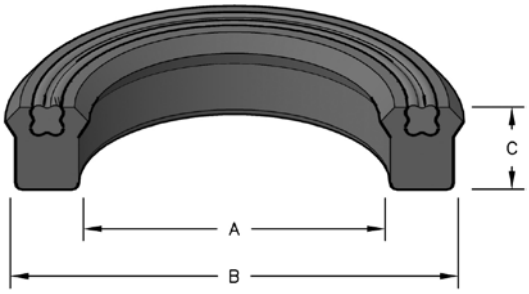
STYLE MUU SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUU-170X200X18	170	200	18	19.00 +0.30 +0.00	170.00 -0.043 -0.106	200.00 +0.00 -0.20	170.00 +0.00 -0.16	200.00 +0.115 +0.000
MUU-170X200X22	170	200	22	23.00 +0.30 +0.00	170.00 -0.043 -0.106	200.00 +0.00 -0.20	170.00 +0.00 -0.16	200.00 +0.115 +0.000
MUU-175X200X15	175	200	15	17.00 +0.30 +0.00	175.00 -0.043 -0.106	200.00 +0.185 +0.000	175.00 +0.00 -0.16	200.00 +0.115 +0.000
MUU-180X200X18	180	200	18	19.00 +0.30 +0.00	180.00 -0.043 -0.106	200.00 +0.00 -0.20	180.00 +0.00 -0.16	200.00 +0.115 +0.000
MUU-180X205X15	180	205	15	17.00 +0.30 +0.00	180.00 -0.043 -0.106	205.00 +0.185 +0.000	180.00 +0.00 -0.16	205.00 +0.115 +0.000
MUU-180X210X15	180	210	15	16.00 +0.30 +0.00	180.00 -0.043 -0.106	210.00 +0.00 -0.20	180.00 +0.00 -0.16	210.00 +0.115 +0.000
MUU-180X210X22	180	210	22	23.00 +0.30 +0.00	180.00 -0.043 -0.106	210.00 +0.00 -0.20	180.00 +0.00 -0.16	210.00 +0.115 +0.000
MUU-190X210X12	190	210	12	13.00 +0.30 +0.00	190.00 -0.050 -0.122	210.00 +0.00 -0.20	190.00 +0.000 -0.185	210.00 +0.115 +0.000
MUU-190X210X15	190	210	15	16.00 +0.30 +0.00	190.00 -0.050 -0.122	210.00 +0.00 -0.20	190.00 +0.000 -0.185	210.00 +0.115 +0.000
MUU-190X215X15	190	215	15	17.00 +0.30 +0.00	190.00 -0.050 -0.122	215.00 +0.185 +0.000	190.00 +0.000 -0.185	215.00 +0.115 +0.000
MUU-200X220X12	200	220	12	13.00 +0.30 +0.00	200.00 -0.050 -0.122	220.00 +0.00 -0.20	200.00 +0.000 -0.185	220.00 +0.115 +0.000
MUU-200X225X15	200	225	15	17.00 +0.30 +0.00	200.00 -0.050 -0.122	225.00 +0.185 +0.000	200.00 +0.000 -0.185	225.00 +0.115 +0.000
MUU-200X225X18	200	225	18	20.00 +0.30 +0.00	200.00 -0.050 -0.122	225.00 +0.185 +0.000	200.00 +0.000 -0.185	225.00 +0.115 +0.000
MUU-200X230X18	200	230	18	19.00 +0.30 +0.00	200.00 -0.050 -0.122	230.00 +0.00 -0.20	200.00 +0.000 -0.185	230.00 +0.115 +0.000
MUU-210X235X18	210	235	18	20.00 +0.30 +0.00	210.00 -0.050 -0.122	235.00 +0.185 +0.000	210.00 +0.000 -0.185	235.00 +0.115 +0.000
MUU-210X240X18	210	240	18	19.00 +0.30 +0.00	210.00 -0.050 -0.122	240.00 +0.00 -0.20	210.00 +0.000 -0.185	240.00 +0.115 +0.000
MUU-220X240X12	220	240	12	13.00 +0.30 +0.00	220.00 -0.050 -0.122	240.00 +0.00 -0.20	220.00 +0.000 -0.185	240.00 +0.115 +0.000
MUU-220X240X15	220	240	15	16.00 +0.30 +0.00	220.00 -0.050 -0.122	240.00 +0.00 -0.20	220.00 +0.000 -0.185	240.00 +0.115 +0.000
MUU-220X250X15	220	250	15	16.00 +0.30 +0.00	220.00 -0.050 -0.122	250.00 +0.00 -0.20	220.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-220X250X17	220	250	17	19.20 +0.30 +0.00	220.00 -0.050 -0.122	250.00 +0.00 -0.20	220.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-220X250X18	220	250	18	19.00 +0.30 +0.00	220.00 -0.050 -0.122	250.00 +0.00 -0.20	220.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-220X250X20	220	250	20	21.00 +0.30 +0.00	220.00 -0.050 -0.122	250.00 +0.00 -0.20	220.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-230X250X12	230	250	12	13.00 +0.30 +0.00	230.00 -0.050 -0.122	250.00 +0.00 -0.20	230.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-230X250X15	230	250	15	16.00 +0.30 +0.00	230.00 -0.050 -0.122	250.00 +0.00 -0.20	230.00 +0.000 -0.185	250.00 +0.115 +0.000
MUU-240X260X16	240	260	16	17.00 +0.30 +0.00	240.00 -0.050 -0.122	260.00 +0.00 -0.20	240.00 +0.000 -0.185	260.00 +0.13 +0.00
MUU-245X270X15	245	270	15	16.00 +0.30 +0.00	245.00 -0.050 -0.122	270.00 +0.00 -0.20	245.00 +0.000 -0.185	270.00 +0.13 +0.00
MUU-250X270X15	250	270	15	16.00 +0.30 +0.00	250.00 -0.050 -0.122	270.00 +0.00 -0.20	250.00 +0.000 -0.185	270.00 +0.13 +0.00
MUU-250X275X18	250	275	18	20.00 +0.30 +0.00	250.00 -0.050 -0.122	275.00 +0.21 +0.00	250.00 +0.000 -0.185	275.00 +0.13 +0.00
MUU-250X280X18	250	280	18	19.00 +0.30 +0.00	250.00 -0.050 -0.122	280.00 +0.00 -0.20	250.00 +0.000 -0.185	280.00 +0.13 +0.00
MUU-260X290X18	260	290	18	20.00 +0.30 +0.00	260.00 -0.056 -0.137	290.00 +0.21 +0.00	260.00 +0.00 -0.21	290.00 +0.13 +0.00
MUU-270X290X17	270	290	17	18.00 +0.30 +0.00	270.00 -0.056 -0.137	290.00 +0.00 -0.20	270.00 +0.00 -0.21	290.00 +0.13 +0.00
MUU-280X300X15	280	300	15	16.00 +0.30 +0.00	280.00 -0.056 -0.137	300.00 +0.00 -0.20	280.00 +0.00 -0.21	300.00 +0.13 +0.00
MUU-320X340X15	320	340	15	16.00 +0.30 +0.00	320.00 -0.062 -0.151	340.00 +0.00 -0.20	320.00 +0.00 -0.23	340.00 +0.14 +0.00

Seal color may vary.

STYLE MUUL LOADED SYMMETRICAL U-SEALS

Molded from tough polyurethane material, these seals offer high resistance to wear and abrasion. Energized with a four-lobed ring, they have greatly increased low pressure performance.



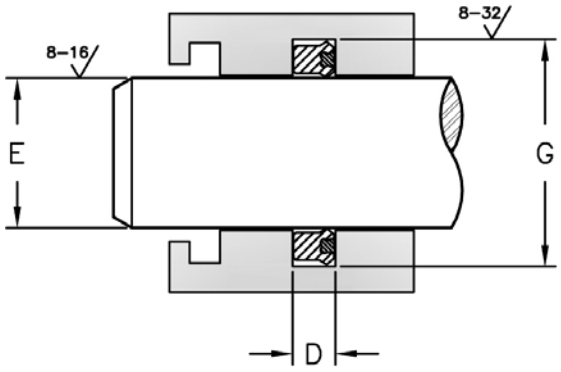
H = High Temperature

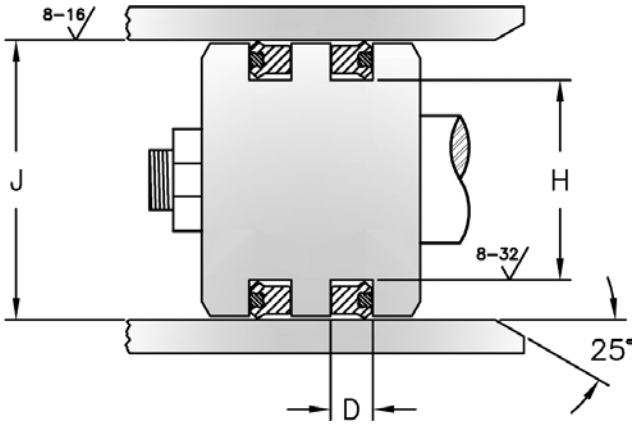
PART NUMBERS

MUUL - 9 X 19 X 8

Style Prefix — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-9X19X8	9	19	8	8.80 +0.20 +0.00	9.00 +0.000 -0.036	19.00 +0.052 +0.000	9.00 +0.000 -0.058	19.00 +0.052 +0.000
MUUL-10X16X6	10	16	6	6.60 +0.20 +0.00	10.00 +0.000 -0.036	16.00 +0.043 +0.000	10.00 +0.000 -0.058	16.00 +0.043 +0.000
MUUL-10X20X8	10	20	8	8.80 +0.20 +0.00	10.00 +0.000 -0.036	20.00 +0.052 +0.000	10.00 +0.000 -0.058	20.00 +0.052 +0.000
MUUL-12X18X6	12	18	6	6.60 +0.20 +0.00	12.00 +0.000 -0.043	18.00 +0.043 +0.000	12.00 +0.00 -0.07	18.00 +0.043 +0.000
MUUL-12X22X7.7	12	22	7.7	8.50 +0.20 +0.00	12.00 +0.000 -0.043	22.00 +0.052 +0.000	12.00 +0.00 -0.07	22.00 +0.052 +0.000
MUUL-12.5X22.5X8	12.5	22.5	8	8.80 +0.20 +0.00	12.50 +0.000 -0.043	22.50 +0.052 +0.000	12.50 +0.00 -0.07	22.50 +0.052 +0.000
MUUL-14X22X5	14	22	5	5.50 +0.20 +0.00	14.00 +0.000 -0.043	22.00 +0.052 +0.000	14.00 +0.00 -0.07	22.00 +0.052 +0.000
MUUL-14X24X8	14	24	8	8.80 +0.20 +0.00	14.00 +0.000 -0.043	24.00 +0.052 +0.000	14.00 +0.00 -0.07	24.00 +0.052 +0.000
MUUL-15X25X8	15	25	8	8.80 +0.20 +0.00	15.00 +0.000 -0.043	25.00 +0.052 +0.000	15.00 +0.00 -0.07	25.00 +0.052 +0.000
MUUL-16X24X5	16	24	5	5.50 +0.20 +0.00	16.00 +0.000 -0.043	24.00 +0.052 +0.000	16.00 +0.00 -0.07	24.00 +0.052 +0.000
MUUL-16X26X8	16	26	8	8.80 +0.20 +0.00	16.00 +0.000 -0.043	26.00 +0.052 +0.000	16.00 +0.00 -0.07	26.00 +0.052 +0.000
MUUL-18X26X5	18	26	5	5.50 +0.20 +0.00	18.00 +0.000 -0.043	26.00 +0.052 +0.000	18.00 +0.00 -0.07	26.00 +0.052 +0.000
MUUL-18X28X8	18	28	8	8.80 +0.20 +0.00	18.00 +0.000 -0.043	28.00 +0.052 +0.000	18.00 +0.00 -0.07	28.00 +0.052 +0.000
MUUL-20X26X5	20	26	5	5.50 +0.20 +0.00	20.00 +0.000 -0.052	26.00 +0.052 +0.000	20.00 +0.000 -0.084	26.00 +0.052 +0.000



STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-20X28X5	20	28	5	5.50 +0.20 +0.00	20.00 +0.000 -0.052	28.00 +0.052 +0.000	20.00 +0.000 -0.084	28.00 +0.052 +0.000
MUUL-20X28X5.7HT	20	28	5.7	6.30 +0.25 +0.00	20.00 +0.000 -0.052	28.00 +0.052 +0.000	N/A	N/A
MUUL-20X30X8	20	30	8	8.80 +0.20 +0.00	20.00 +0.000 -0.052	30.00 +0.052 +0.000	20.00 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-20X35X10	20	35	10	11.00 +0.20 +0.00	20.00 +0.000 -0.052	35.00 +0.062 +0.000	20.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-20X35X12	20	35	12	13.20 +0.20 +0.00	20.00 +0.000 -0.052	35.00 +0.062 +0.000	20.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-20X40X12	20	40	12	13.20 +0.20 +0.00	20.00 +0.000 -0.052	40.00 +0.062 +0.000	20.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-22X30X5	22	30	5	5.50 +0.20 +0.00	22.00 +0.000 -0.052	30.00 +0.052 +0.000	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-22X30X5.7	22	30	5.7	6.30 +0.20 +0.00	22.00 +0.000 -0.052	30.00 +0.052 +0.000	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-22X30X6	22	30	6	6.60 +0.20 +0.00	22.00 +0.000 -0.052	30.00 +0.052 +0.000	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-22X30X7	22	30	7	7.70 +0.20 +0.00	22.00 +0.000 -0.052	30.00 +0.052 +0.000	22.00 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-22X32X8	22	32	8	8.80 +0.20 +0.00	22.00 +0.000 -0.052	32.00 +0.062 +0.000	22.00 +0.000 -0.084	32.00 +0.062 +0.000
MUUL-22X35X8	22	35	8	8.80 +0.20 +0.00	22.00 +0.000 -0.052	35.00 +0.062 +0.000	22.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-22X35X10	22	35	10	11.00 +0.20 +0.00	22.00 +0.000 -0.052	35.00 +0.062 +0.000	22.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-22X40X12	22	40	12	13.20 +0.20 +0.00	22.00 +0.000 -0.052	40.00 +0.062 +0.000	22.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-22.4X30X5	22.4	30	5	5.50 +0.20 +0.00	22.40 +0.000 -0.052	30.00 +0.052 +0.000	22.40 +0.000 -0.084	30.00 +0.052 +0.000
MUUL-22.4X32.4X8	22.4	32.4	8	8.80 +0.20 +0.00	22.40 +0.000 -0.052	32.40 +0.062 +0.000	22.40 +0.000 -0.084	32.40 +0.062 +0.000
MUUL-25X33X5	25	33	5	5.50 +0.20 +0.00	25.00 +0.000 -0.052	33.00 +0.062 +0.000	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUUL-25X33X6	25	33	6	6.30 +0.20 +0.00	25.00 +0.000 -0.052	33.00 +0.062 +0.000	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUUL-25X33X8	25	33	8	8.80 +0.20 +0.00	25.00 +0.000 -0.052	33.00 +0.062 +0.000	25.00 +0.000 -0.084	33.00 +0.062 +0.000
MUUL-25X35X8	25	35	8	8.80 +0.20 +0.00	25.00 +0.000 -0.052	35.00 +0.062 +0.000	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-25X35X10	25	35	10	11.00 +0.20 +0.00	25.00 +0.000 -0.052	35.00 +0.062 +0.000	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUUL-25X38X10	25	38	10	11.00 +0.20 +0.00	25.00 +0.000 -0.052	38.00 +0.062 +0.000	25.00 +0.000 -0.084	38.00 +0.062 +0.000
MUUL-25X40X10	25	40	10	11.00 +0.20 +0.00	25.00 +0.000 -0.052	40.00 +0.062 +0.000	25.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-26X36X7	26	36	7	7.70 +0.20 +0.00	26.00 +0.000 -0.052	36.00 +0.062 +0.000	26.00 +0.000 -0.084	36.00 +0.062 +0.000
MUUL-28X35.5X5	28	35.5	5	5.50 +0.20 +0.00	28.00 +0.000 -0.052	35.50 +0.062 +0.000	28.00 +0.000 -0.084	35.50 +0.062 +0.000
MUUL-28X38X7.3	28	38	7.3	8.00 +0.20 +0.00	28.00 +0.000 -0.052	38.00 +0.062 +0.000	28.00 +0.000 -0.084	38.00 +0.062 +0.000
MUUL-28X38X8	28	38	8	8.80 +0.20 +0.00	28.00 +0.000 -0.052	38.00 +0.062 +0.000	28.00 +0.000 -0.084	38.00 +0.062 +0.000
MUUL-28X40X10	28	40	10	11.00 +0.20 +0.00	28.00 +0.000 -0.052	40.00 +0.062 +0.000	28.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-28X43X10	28	43	10	11.00 +0.20 +0.00	28.00 +0.000 -0.052	43.00 +0.062 +0.000	28.00 +0.000 -0.084	43.00 +0.062 +0.000
MUUL-30X38X6.3	30	38	6.3	7.00 +0.20 +0.00	30.00 +0.000 -0.052	38.00 +0.062 +0.000	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUUL-30X38X8	30	38	8	8.80 +0.20 +0.00	30.00 +0.000 -0.052	38.00 +0.062 +0.000	30.00 +0.000 -0.084	38.00 +0.062 +0.000
MUUL-30X40X6	30	40	6	6.60 +0.20 +0.00	30.00 +0.000 -0.052	40.00 +0.062 +0.000	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-30X40X7	30	40	7	7.70 +0.20 +0.00	30.00 +0.000 -0.052	40.00 +0.062 +0.000	30.00 +0.000 -0.084	40.00 +0.062 +0.000

STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-30X40X7.3	30	40	7.3	8.00 +0.20 +0.00	30.00 +0.000 -0.052	40.00 +0.062 +0.000	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-30X40X10	30	40	10	11.00 +0.20 +0.00	30.00 +0.000 -0.052	40.00 +0.062 +0.000	30.00 +0.000 -0.084	40.00 +0.062 +0.000
MUUL-30X42X9	30	42	9	9.90 +0.20 +0.00	30.00 +0.000 -0.052	42.00 +0.062 +0.000	30.00 +0.000 -0.084	42.00 +0.062 +0.000
MUUL-30X42X10	30	42	10	11.00 +0.20 +0.00	30.00 +0.000 -0.052	42.00 +0.062 +0.000	30.00 +0.000 -0.084	42.00 +0.062 +0.000
MUUL-30X45X10	30	45	10	11.00 +0.20 +0.00	30.00 +0.000 -0.052	45.00 +0.062 +0.000	30.00 +0.000 -0.084	45.00 +0.062 +0.000
MUUL-30X50X10	30	50	10	11.00 +0.20 +0.00	30.00 +0.000 -0.052	50.00 +0.062 +0.000	30.00 +0.000 -0.084	50.00 +0.062 +0.000
MUUL-31.5X41.5X6	31.5	41.5	6	6.60 +0.20 +0.00	31.50 +0.000 -0.062	41.50 +0.062 +0.000	31.50 +0.00 -0.10	41.50 +0.062 +0.000
MUUL-32X40X5.7	32	40	5.7	6.30 +0.20 +0.00	32.00 +0.000 -0.062	40.00 +0.062 +0.000	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUUL-32X40X8	32	40	8	8.80 +0.20 +0.00	32.00 +0.000 -0.062	40.00 +0.062 +0.000	32.00 +0.00 -0.10	40.00 +0.062 +0.000
MUUL-32X42X7.3	32	42	7.3	8.00 +0.20 +0.00	32.00 +0.000 -0.062	42.00 +0.062 +0.000	32.00 +0.00 -0.10	42.00 +0.062 +0.000
MUUL-32X42X10	32	42	10	11.00 +0.20 +0.00	32.00 +0.000 -0.062	42.00 +0.062 +0.000	32.00 +0.00 -0.10	42.00 +0.062 +0.000
MUUL-32X47X10	32	47	10	11.00 +0.20 +0.00	32.00 +0.000 -0.062	47.00 +0.062 +0.000	32.00 +0.00 -0.10	47.00 +0.062 +0.000
MUUL-32X48X10	32	48	10	11.00 +0.20 +0.00	32.00 +0.000 -0.062	48.00 +0.062 +0.000	32.00 +0.00 -0.10	48.00 +0.062 +0.000
MUUL-35X43X6.4	35	43	6.4	7.00 +0.20 +0.00	35.00 +0.000 -0.062	43.00 +0.062 +0.000	35.00 +0.00 -0.10	43.00 +0.062 +0.000
MUUL-35X43X8	35	43	8	8.80 +0.20 +0.00	35.00 +0.000 -0.062	43.00 +0.062 +0.000	35.00 +0.00 -0.10	43.00 +0.062 +0.000
MUUL-35X45X6	35	45	6	6.60 +0.20 +0.00	35.00 +0.000 -0.062	45.00 +0.062 +0.000	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUUL-35X45X7.3	35	45	7.3	8.00 +0.20 +0.00	35.00 +0.000 -0.062	45.00 +0.062 +0.000	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUUL-35X45X8	35	45	8	8.80 +0.20 +0.00	35.00 +0.000 -0.062	45.00 +0.062 +0.000	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUUL-35X45X10	35	45	10	11.00 +0.20 +0.00	35.00 +0.000 -0.062	45.00 +0.062 +0.000	35.00 +0.00 -0.10	45.00 +0.062 +0.000
MUUL-35X50X10	35	50	10	11.00 +0.20 +0.00	35.00 +0.000 -0.062	50.00 +0.062 +0.000	35.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-35X55X10	35	55	10	11.00 +0.20 +0.00	35.00 +0.000 -0.062	55.00 +0.074 +0.000	35.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-36X44X6	36	44	6	6.60 +0.20 +0.00	36.00 +0.000 -0.062	44.00 +0.062 +0.000	36.00 +0.00 -0.10	44.00 +0.062 +0.000
MUUL-36X44X8	36	44	8	8.80 +0.20 +0.00	36.00 +0.000 -0.062	44.00 +0.062 +0.000	36.00 +0.00 -0.10	44.00 +0.062 +0.000
MUUL-36X46X10	36	46	10	11.00 +0.20 +0.00	36.00 +0.000 -0.062	46.00 +0.062 +0.000	36.00 +0.00 -0.10	46.00 +0.062 +0.000
MUUL-40X48X6	40	48	6	6.60 +0.20 +0.00	40.00 +0.000 -0.062	48.00 +0.062 +0.000	40.00 +0.00 -0.10	48.00 +0.062 +0.000
MUUL-40X48X8	40	48	8	8.80 +0.20 +0.00	40.00 +0.000 -0.062	48.00 +0.062 +0.000	40.00 +0.00 -0.10	48.00 +0.062 +0.000
MUUL-40X50X6	40	50	6	6.60 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X50X6.5	40	50	6.5	7.20 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X50X7.3	40	50	7.3	8.00 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X50X7.3HT	40	50	7.3	8.00 +0.25 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X50X8	40	50	8	8.80 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X50X10	40	50	10	11.00 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000	40.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-40X53X8	40	53	8	8.80 +0.20 +0.00	40.00 +0.000 -0.062	53.00 +0.074 +0.000	40.00 +0.00 -0.10	53.00 +0.074 +0.000



STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-40X55X9	40	55	9	9.90 +0.20 +0.00	40.00 +0.000 -0.062	55.00 +0.074 +0.000	40.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-40X55X10	40	55	10	11.00 +0.20 +0.00	40.00 +0.000 -0.062	55.00 +0.074 +0.000	40.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-40X60X12	40	60	12	13.20 +0.20 +0.00	40.00 +0.000 -0.062	60.00 +0.074 +0.000	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-42X50X6	42	50	6	6.60 +0.20 +0.00	42.00 +0.000 -0.062	50.00 +0.062 +0.000	42.00 +0.00 -0.10	50.00 +0.062 +0.000
MUUL-42X55X7	42	55	7	7.70 +0.20 +0.00	42.00 +0.000 -0.062	55.00 +0.074 +0.000	42.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-45X53X8	45	53	8	8.80 +0.20 +0.00	45.00 +0.000 -0.062	53.00 +0.074 +0.000	45.00 +0.00 -0.10	53.00 +0.074 +0.000
MUUL-45X53X8HT	45	53	8	9.00 +0.25 +0.00	45.00 +0.000 -0.062	53.00 +0.074 +0.000	45.00 +0.00 -0.10	53.00 +0.074 +0.000
MUUL-45X55X6	45	55	6	6.60 +0.20 +0.00	45.00 +0.000 -0.062	55.00 +0.074 +0.000	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-45X55X7.3	45	55	7.3	8.00 +0.20 +0.00	45.00 +0.000 -0.062	55.00 +0.074 +0.000	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-45X55X10	45	55	10	11.00 +0.20 +0.00	45.00 +0.000 -0.062	55.00 +0.074 +0.000	45.00 +0.00 -0.10	55.00 +0.074 +0.000
MUUL-45X56X7	45	56	7	7.70 +0.20 +0.00	45.00 +0.000 -0.062	56.00 +0.074 +0.000	45.00 +0.00 -0.10	56.00 +0.074 +0.000
MUUL-45X60X9	45	60	9	9.90 +0.20 +0.00	45.00 +0.000 -0.062	60.00 +0.074 +0.000	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-45X60X10	45	60	10	11.00 +0.20 +0.00	45.00 +0.000 -0.062	60.00 +0.074 +0.000	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-45X65X12	45	65	12	13.20 +0.20 +0.00	45.00 +0.000 -0.062	65.00 +0.074 +0.000	45.00 +0.00 -0.10	65.00 +0.074 +0.000
MUUL-50X60X6	50	60	6	6.60 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.074 +0.000	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-50X60X7.3	50	60	7.3	8.00 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.074 +0.000	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-50X60X10	50	60	10	11.00 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.074 +0.000	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUUL-50X63X10	50	63	10	11.00 +0.20 +0.00	50.00 +0.000 -0.062	63.00 +0.074 +0.000	50.00 +0.00 -0.10	63.00 +0.074 +0.000
MUUL-50X65X9	50	65	9	9.90 +0.20 +0.00	50.00 +0.000 -0.062	65.00 +0.074 +0.000	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUUL-50X65X10	50	65	10	11.00 +0.20 +0.00	50.00 +0.000 -0.062	65.00 +0.074 +0.000	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUUL-50X65X11.4	50	65	11.4	12.50 +0.20 +0.00	50.00 +0.000 -0.062	65.00 +0.074 +0.000	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUUL-50X70X12	50	70	12	13.20 +0.20 +0.00	50.00 +0.000 -0.062	70.00 +0.074 +0.000	50.00 +0.00 -0.10	70.00 +0.074 +0.000
MUUL-53X63X6	53	63	6	6.60 +0.20 +0.00	53.00 +0.000 -0.074	63.00 +0.074 +0.000	53.00 +0.00 -0.12	63.00 +0.074 +0.000
MUUL-55X65X6	55	65	6	6.60 +0.20 +0.00	55.00 +0.000 -0.074	65.00 +0.074 +0.000	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUUL-55X65X10	55	65	10	11.00 +0.20 +0.00	55.00 +0.000 -0.074	65.00 +0.074 +0.000	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUUL-55X65X12	55	65	12	13.20 +0.20 +0.00	55.00 +0.000 -0.074	65.00 +0.074 +0.000	55.00 +0.00 -0.12	65.00 +0.074 +0.000
MUUL-55X70X9	55	70	9	9.90 +0.20 +0.00	55.00 +0.000 -0.074	70.00 +0.074 +0.000	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-55X70X12	55	70	12	13.20 +0.20 +0.00	55.00 +0.000 -0.074	70.00 +0.074 +0.000	55.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-55X75X12	55	75	12	13.20 +0.20 +0.00	55.00 +0.000 -0.074	75.00 +0.074 +0.000	55.00 +0.00 -0.12	75.00 +0.074 +0.000
MUUL-56X66X6	56	66	6	6.60 +0.20 +0.00	56.00 +0.000 -0.074	66.00 +0.074 +0.000	56.00 +0.00 -0.12	66.00 +0.074 +0.000
MUUL-56X66X10	56	66	10	11.00 +0.20 +0.00	56.00 +0.000 -0.074	66.00 +0.074 +0.000	56.00 +0.00 -0.12	66.00 +0.074 +0.000
MUUL-56X71X10.6HT	56	71	10.6	12.00 +0.25 +0.00	56.00 +0.000 -0.074	71.00 +0.074 +0.000	56.00 +0.00 -0.12	71.00 +0.074 +0.000
MUUL-56X71X11.4	56	71	11.4	12.50 +0.20 +0.00	56.00 +0.000 -0.074	71.00 +0.074 +0.000	56.00 +0.00 -0.12	71.00 +0.074 +0.000

STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-60X70X6	60	70	6	6.60 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-60X70X8	60	70	8	8.80 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-60X70X10	60	70	10	11.00 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-60X70X12	60	70	12	13.20 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000	60.00 +0.00 -0.12	70.00 +0.074 +0.000
MUUL-60X71X7	60	71	7	7.70 +0.20 +0.00	60.00 +0.000 -0.074	71.00 +0.074 +0.000	60.00 +0.00 -0.12	71.00 +0.074 +0.000
MUUL-60X73X10	60	73	10	11.00 +0.20 +0.00	60.00 +0.000 -0.074	73.00 +0.074 +0.000	60.00 +0.00 -0.12	73.00 +0.074 +0.000
MUUL-60X75X9	60	75	9	9.90 +0.20 +0.00	60.00 +0.000 -0.074	75.00 +0.074 +0.000	60.00 +0.00 -0.12	75.00 +0.074 +0.000
MUUL-60X75X11	60	75	11	12.10 +0.20 +0.00	60.00 +0.000 -0.074	75.00 +0.074 +0.000	60.00 +0.00 -0.12	75.00 +0.074 +0.000
MUUL-60X80X12	60	80	12	13.20 +0.20 +0.00	60.00 +0.000 -0.074	80.00 +0.074 +0.000	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-63X78X10.6HT	63	78	10.6	12.00 +0.25 +0.00	63.00 +0.000 -0.074	78.00 +0.074 +0.000	63.00 +0.00 -0.12	78.00 +0.074 +0.000
MUUL-63X78X11.4	63	78	11.4	12.50 +0.20 +0.00	63.00 +0.000 -0.074	78.00 +0.074 +0.000	63.00 +0.00 -0.12	78.00 +0.074 +0.000
MUUL-63X83X15	63	83	15	16.50 +0.20 +0.00	63.00 +0.000 -0.074	83.00 +0.087 +0.000	63.00 +0.00 -0.12	83.00 +0.087 +0.000
MUUL-65X75X6	65	75	6	6.60 +0.20 +0.00	65.00 +0.000 -0.074	75.00 +0.074 +0.000	65.00 +0.00 -0.12	75.00 +0.074 +0.000
MUUL-65X75X12	65	75	12	13.20 +0.20 +0.00	65.00 +0.000 -0.074	75.00 +0.074 +0.000	65.00 +0.00 -0.12	75.00 +0.074 +0.000
MUUL-65X78X10	65	78	10	11.00 +0.20 +0.00	65.00 +0.000 -0.074	78.00 +0.074 +0.000	65.00 +0.00 -0.12	78.00 +0.074 +0.000
MUUL-65X80X9	65	80	9	9.90 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-65X80X11.4	65	80	11.4	12.50 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-65X80X12	65	80	12	13.20 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000	65.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-65X85X12	65	85	12	13.20 +0.20 +0.00	65.00 +0.000 -0.074	85.00 +0.087 +0.000	65.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-70X80X6	70	80	6	6.60 +0.20 +0.00	70.00 +0.000 -0.074	80.00 +0.074 +0.000	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-70X80X10	70	80	10	11.00 +0.20 +0.00	70.00 +0.000 -0.074	80.00 +0.074 +0.000	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-70X80X12	70	80	12	13.20 +0.20 +0.00	70.00 +0.000 -0.074	80.00 +0.074 +0.000	70.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-70X83X10	70	83	10	11.00 +0.20 +0.00	70.00 +0.000 -0.074	83.00 +0.087 +0.000	70.00 +0.00 -0.12	83.00 +0.087 +0.000
MUUL-70X85X9	70	85	9	9.90 +0.20 +0.00	70.00 +0.000 -0.074	85.00 +0.087 +0.000	70.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-70X85X10	70	85	10	11.00 +0.20 +0.00	70.00 +0.000 -0.074	85.00 +0.087 +0.000	70.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-70X85X11.4	70	85	11.4	12.50 +0.20 +0.00	70.00 +0.000 -0.074	85.00 +0.087 +0.000	70.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-70X90X12	70	90	12	13.20 +0.20 +0.00	70.00 +0.000 -0.074	90.00 +0.087 +0.000	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUUL-71X80X6	71	80	6	6.60 +0.20 +0.00	71.00 +0.000 -0.074	80.00 +0.074 +0.000	71.00 +0.00 -0.12	80.00 +0.074 +0.000
MUUL-75X85X6	75	85	6	6.60 +0.20 +0.00	75.00 +0.000 -0.074	85.00 +0.087 +0.000	75.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-75X85X12	75	85	12	13.20 +0.20 +0.00	75.00 +0.000 -0.074	85.00 +0.087 +0.000	75.00 +0.00 -0.12	85.00 +0.087 +0.000
MUUL-75X88X10	75	88	10	11.00 +0.20 +0.00	75.00 +0.000 -0.074	88.00 +0.087 +0.000	75.00 +0.00 -0.12	88.00 +0.087 +0.000
MUUL-75X90X9	75	90	9	9.90 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000	75.00 +0.00 -0.12	90.00 +0.087 +0.000
MUUL-75X95X12	75	95	12	13.20 +0.20 +0.00	75.00 +0.000 -0.074	95.00 +0.087 +0.000	75.00 +0.00 -0.12	95.00 +0.087 +0.000



STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-80X90X6	80	90	6	6.60 +0.20 +0.00	80.00 +0.000 -0.074	90.00 +0.087 +0.000	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUUL-80X90X8	80	90	8	8.80 +0.20 +0.00	80.00 +0.000 -0.074	90.00 +0.087 +0.000	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUUL-80X90X10	80	90	10	11.00 +0.20 +0.00	80.00 +0.000 -0.074	90.00 +0.087 +0.000	80.00 +0.00 -0.12	90.00 +0.087 +0.000
MUUL-80X93X10	80	93	10	11.00 +0.20 +0.00	80.00 +0.000 -0.074	93.00 +0.087 +0.000	80.00 +0.00 -0.12	93.00 +0.087 +0.000
MUUL-80X95X9	80	95	9	9.90 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUUL-80X95X10	80	95	10	11.00 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUUL-80X95X11	80	95	11	12.10 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUUL-80X95X11.4	80	95	11.4	12.50 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUUL-80X100X12	80	100	12	13.20 +0.20 +0.00	80.00 +0.000 -0.074	100.00 +0.087 +0.000	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUUL-85X100X9	85	100	9	9.90 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUUL-85X100X10	85	100	10	11.00 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUUL-85X100X12.5	85	100	12.5	13.75 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000	85.00 +0.00 -0.14	100.00 +0.087 +0.000
MUUL-85X105X12	85	105	12	13.20 +0.20 +0.00	85.00 +0.000 -0.087	105.00 +0.087 +0.000	85.00 +0.00 -0.14	105.00 +0.087 +0.000
MUUL-90X100X6	90	100	6	6.60 +0.20 +0.00	90.00 +0.000 -0.087	100.00 +0.087 +0.000	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MUUL-90X105X9	90	105	9	9.90 +0.20 +0.00	90.00 +0.000 -0.087	105.00 +0.087 +0.000	90.00 +0.00 -0.14	105.00 +0.087 +0.000
MUUL-90X105X10	90	105	10	11.00 +0.20 +0.00	90.00 +0.000 -0.087	105.00 +0.087 +0.000	90.00 +0.00 -0.14	105.00 +0.087 +0.000
MUUL-90X110X12	90	110	12	13.20 +0.20 +0.00	90.00 +0.000 -0.087	110.00 +0.087 +0.000	90.00 +0.00 -0.14	110.00 +0.087 +0.000
MUUL-95X110X10	95	110	10	11.00 +0.20 +0.00	95.00 +0.000 -0.087	110.00 +0.087 +0.000	95.00 +0.00 -0.14	110.00 +0.087 +0.000
MUUL-95X115X12	95	115	12	13.20 +0.20 +0.00	95.00 +0.000 -0.087	115.00 +0.087 +0.000	95.00 +0.00 -0.14	115.00 +0.087 +0.000
MUUL-100X115X9	100	115	9	9.90 +0.20 +0.00	100.00 +0.000 -0.087	115.00 +0.087 +0.000	100.00 +0.00 -0.14	115.00 +0.087 +0.000
MUUL-100X115X10	100	115	10	11.00 +0.20 +0.00	100.00 +0.000 -0.087	115.00 +0.087 +0.000	100.00 +0.00 -0.14	115.00 +0.087 +0.000
MUUL-100X115X12	100	115	12	13.20 +0.20 +0.00	100.00 +0.000 -0.087	115.00 +0.087 +0.000	100.00 +0.00 -0.14	115.00 +0.087 +0.000
MUUL-100X120X12	100	120	12	13.20 +0.20 +0.00	100.00 +0.000 -0.087	120.00 +0.087 +0.000	100.00 +0.00 -0.14	120.00 +0.087 +0.000
MUUL-105X120X9	105	120	9	9.90 +0.20 +0.00	105.00 +0.000 -0.087	120.00 +0.087 +0.000	105.00 +0.00 -0.14	120.00 +0.087 +0.000
MUUL-105X120X10	105	120	10	11.00 +0.20 +0.00	105.00 +0.000 -0.087	120.00 +0.087 +0.000	105.00 +0.00 -0.14	120.00 +0.087 +0.000
MUUL-105X125X12	105	125	12	13.20 +0.20 +0.00	105.00 +0.000 -0.087	125.00 +0.10 +0.00	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-105X125X15	105	125	15	16.50 +0.20 +0.00	105.00 +0.000 -0.087	125.00 +0.10 +0.00	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-110X125X9	110	125	9	9.90 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.10 +0.00	110.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-110X125X10	110	125	10	11.00 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.10 +0.00	110.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-110X125X12	110	125	12	13.20 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.10 +0.00	110.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-110X130X10	110	130	10	11.00 +0.20 +0.00	110.00 +0.000 -0.087	130.00 +0.10 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUUL-110X130X12	110	130	12	13.20 +0.20 +0.00	110.00 +0.000 -0.087	130.00 +0.10 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUUL-110X130X14.5	110	130	14.5	16.00 +0.20 +0.00	110.00 +0.000 -0.087	130.00 +0.10 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-110X130X15	110	130	15	16.50 +0.20 +0.00	110.00 +0.000 -0.087	130.00 +0.10 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUUL-112X125X9	112	125	9	9.90 +0.20 +0.00	112.00 +0.000 -0.087	125.00 +0.10 +0.00	112.00 +0.00 -0.14	125.00 +0.10 +0.00
MUUL-115X130X9	115	130	9	9.90 +0.20 +0.00	115.00 +0.000 -0.087	130.00 +0.10 +0.00	115.00 +0.00 -0.14	130.00 +0.10 +0.00
MUUL-115X135X12	115	135	12	13.20 +0.20 +0.00	115.00 +0.000 -0.087	135.00 +0.10 +0.00	115.00 +0.00 -0.14	135.00 +0.10 +0.00
MUUL-120X140X10	120	140	10	11.00 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUUL-120X140X12	120	140	12	13.20 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUUL-120X140X14.5	120	140	14.5	16.00 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUUL-120X140X15	120	140	15	16.50 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUUL-125X140X9	125	140	9	9.90 +0.20 +0.00	125.00 +0.00 -0.10	140.00 +0.10 +0.00	125.00 +0.00 -0.16	140.00 +0.10 +0.00
MUUL-125X145X15	125	145	15	16.50 +0.20 +0.00	125.00 +0.00 -0.10	145.00 +0.10 +0.00	125.00 +0.00 -0.16	145.00 +0.10 +0.00
MUUL-125X150X18	125	150	18	19.80 +0.20 +0.00	125.00 +0.00 -0.10	150.00 +0.10 +0.00	125.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-130X150X12	130	150	12	13.20 +0.20 +0.00	130.00 +0.00 -0.10	150.00 +0.10 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-130X150X13	130	150	13	14.30 +0.20 +0.00	130.00 +0.00 -0.10	150.00 +0.10 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-130X150X15	130	150	15	16.50 +0.20 +0.00	130.00 +0.00 -0.10	150.00 +0.10 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-130X150X16	130	150	16	17.60 +0.20 +0.00	130.00 +0.00 -0.10	150.00 +0.10 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-135X150X9	135	150	9	9.90 +0.20 +0.00	135.00 +0.00 -0.10	150.00 +0.10 +0.00	135.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-135X155X15	135	155	15	16.50 +0.20 +0.00	135.00 +0.00 -0.10	155.00 +0.10 +0.00	135.00 +0.00 -0.16	155.00 +0.10 +0.00
MUUL-136X150X9	136	150	9	9.90 +0.20 +0.00	136.00 +0.00 -0.10	150.00 +0.10 +0.00	136.00 +0.00 -0.16	150.00 +0.10 +0.00
MUUL-140X155X9	140	155	9	9.90 +0.20 +0.00	140.00 +0.00 -0.10	155.00 +0.10 +0.00	140.00 +0.00 -0.16	155.00 +0.10 +0.00
MUUL-140X160X12	140	160	12	13.20 +0.20 +0.00	140.00 +0.00 -0.10	160.00 +0.10 +0.00	140.00 +0.00 -0.16	160.00 +0.10 +0.00
MUUL-140X160X15	140	160	15	16.50 +0.20 +0.00	140.00 +0.00 -0.10	160.00 +0.10 +0.00	140.00 +0.00 -0.16	160.00 +0.10 +0.00
MUUL-140X165X18.2	140	165	18.2	20.00 +0.20 +0.00	140.00 +0.00 -0.10	165.00 +0.10 +0.00	140.00 +0.00 -0.16	165.00 +0.10 +0.00
MUUL-145X160X9	145	160	9	9.90 +0.20 +0.00	145.00 +0.00 -0.10	160.00 +0.10 +0.00	145.00 +0.00 -0.16	160.00 +0.10 +0.00
MUUL-150X165X9	150	165	9	9.90 +0.20 +0.00	150.00 +0.00 -0.10	165.00 +0.10 +0.00	150.00 +0.00 -0.16	165.00 +0.10 +0.00
MUUL-150X170X15	150	170	15	16.50 +0.20 +0.00	150.00 +0.00 -0.10	170.00 +0.10 +0.00	150.00 +0.00 -0.16	170.00 +0.10 +0.00
MUUL-150X170X16	150	170	16	17.60 +0.20 +0.00	150.00 +0.00 -0.10	170.00 +0.10 +0.00	150.00 +0.00 -0.16	170.00 +0.10 +0.00
MUUL-150X180X18	150	180	18	19.80 +0.20 +0.00	150.00 +0.00 -0.10	180.00 +0.10 +0.00	150.00 +0.00 -0.16	180.00 +0.10 +0.00
MUUL-155X180X16	155	180	16	17.60 +0.20 +0.00	155.00 +0.00 -0.10	180.00 +0.10 +0.00	155.00 +0.00 -0.16	180.00 +0.10 +0.00
MUUL-160X175X9	160	175	9	9.90 +0.20 +0.00	160.00 +0.00 -0.10	175.00 +0.10 +0.00	160.00 +0.00 -0.16	175.00 +0.10 +0.00
MUUL-160X180X15	160	180	15	16.50 +0.20 +0.00	160.00 +0.00 -0.10	180.00 +0.10 +0.00	160.00 +0.00 -0.16	180.00 +0.10 +0.00
MUUL-160X185X16	160	185	16	17.60 +0.20 +0.00	160.00 +0.00 -0.10	185.00 +0.115 +0.000	160.00 +0.00 -0.16	185.00 +0.115 +0.000
MUUL-165X180X9.5	165	180	9.5	10.50 +0.20 +0.00	165.00 +0.00 -0.10	180.00 +0.10 +0.00	165.00 +0.00 -0.16	180.00 +0.10 +0.00
MUUL-165X190X16	165	190	16	17.60 +0.20 +0.00	165.00 +0.00 -0.10	190.00 +0.115 +0.000	165.00 +0.00 -0.16	190.00 +0.115 +0.000

STYLE MUUL LOADED SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUUL-170X190X15	170	190	15	16.50 +0.20 +0.00	170.00 +0.00 -0.10	190.00 +0.115 +0.000	170.00 +0.00 -0.16	190.00 +0.115 +0.000
MUUL-175X200X15	175	200	15	16.50 +0.20 +0.00	175.00 +0.00 -0.10	200.00 +0.115 +0.000	175.00 +0.00 -0.16	200.00 +0.115 +0.000
MUUL-180X200X12.5	180	200	12.5	13.75 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.115 +0.000	180.00 +0.00 -0.16	200.00 +0.115 +0.000
MUUL-180X205X16	180	205	16	17.60 +0.20 +0.00	180.00 +0.00 -0.10	205.00 +0.115 +0.000	180.00 +0.00 -0.16	205.00 +0.115 +0.000
MUUL-190X210X12	190	210	12	13.20 +0.20 +0.00	190.00 +0.000 -0.115	210.00 +0.115 +0.000	190.00 +0.000 -0.185	210.00 +0.115 +0.000
MUUL-190X215X16	190	215	16	17.60 +0.20 +0.00	190.00 +0.000 -0.115	215.00 +0.115 +0.000	190.00 +0.000 -0.185	215.00 +0.115 +0.000
MUUL-200X220X12.5	200	220	12.5	13.75 +0.20 +0.00	200.00 +0.000 -0.115	220.00 +0.115 +0.000	200.00 +0.000 -0.185	220.00 +0.115 +0.000
MUUL-200X225X16	200	225	16	17.60 +0.20 +0.00	200.00 +0.000 -0.115	225.00 +0.115 +0.000	200.00 +0.000 -0.185	225.00 +0.115 +0.000
MUUL-200X225X18	200	225	18	19.80 +0.20 +0.00	200.00 +0.000 -0.115	225.00 +0.115 +0.000	200.00 +0.000 -0.185	225.00 +0.115 +0.000
MUUL-205X235X18	205	235	18	19.80 +0.20 +0.00	205.00 +0.000 -0.115	235.00 +0.115 +0.000	205.00 +0.000 -0.185	235.00 +0.115 +0.000

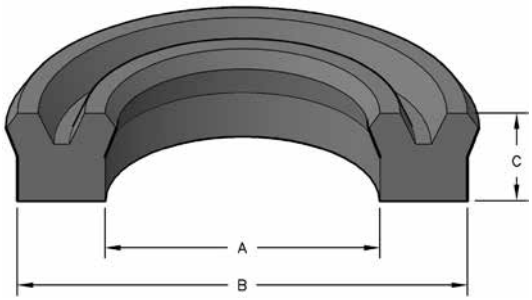
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MUSN SYMMETRICAL U-SEALS

Molded from 90A nitrile, this seal provides high sealability in a symmetrical design suitable for rods or pistons.

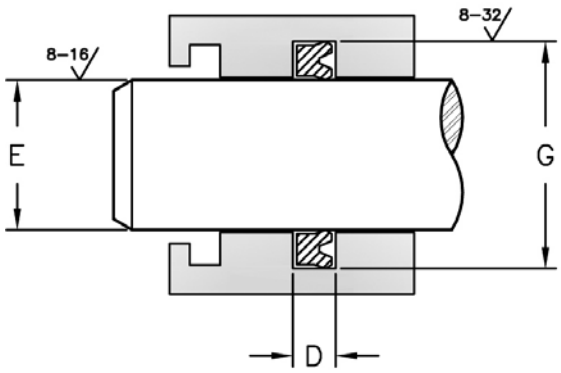


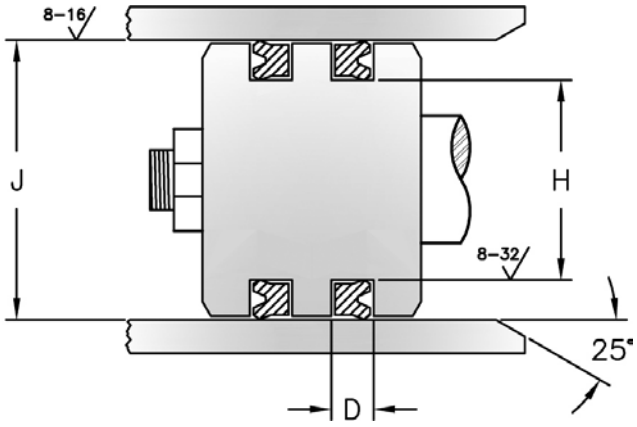
PART NUMBERS

MUSN - 6.3 X 16.3 X 8

Style Prefix | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	90A NITRILE
TEMPERATURE RANGE	-13° TO +212° F
PRESSURE RANGE	0 TO 2,000 PSI
SPEED	3 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUSN-6.3X16.3X8	6.3	16.3	8	9.00 ±0.20	6.30 -0.013 -0.035	16.30 +0.07 +0.00	6.30 +0.000 -0.058	16.30 +0.043 +0.000
MUSN-7.1X17.1X8	7.1	17.1	8	9.00 ±0.20	7.10 -0.013 -0.035	17.10 +0.07 +0.00	7.10 +0.000 -0.058	17.10 +0.043 +0.000
MUSN-8X18X8	8	18	8	9.00 ±0.20	8.00 -0.013 -0.035	18.00 +0.07 +0.00	8.00 +0.000 -0.058	18.00 +0.043 +0.000
MUSN-9X19X8	9	19	8	9.00 ±0.20	9.00 -0.013 -0.035	19.00 +0.084 +0.000	9.00 +0.000 -0.058	19.00 +0.052 +0.000
MUSN-10X20X8	10	20	8	9.00 ±0.20	10.00 -0.013 -0.035	20.00 +0.084 +0.000	10.00 +0.000 -0.058	20.00 +0.052 +0.000
MUSN-11.2X21.2X8	11.2	21.2	8	9.00 ±0.20	11.20 -0.016 -0.043	21.20 +0.084 +0.000	11.20 +0.00 -0.07	21.20 +0.052 +0.000
MUSN-12.5X22.5X8	12.5	22.5	8	9.00 ±0.20	12.50 -0.016 -0.043	22.50 +0.084 +0.000	12.50 +0.00 -0.07	22.50 +0.052 +0.000
MUSN-14X24X8	14	24	8	9.00 ±0.20	14.00 -0.016 -0.043	24.00 +0.084 +0.000	14.00 +0.00 -0.07	24.00 +0.052 +0.000
MUSN-15X25X8	15	25	8	9.00 ±0.20	15.00 -0.016 -0.043	25.00 +0.084 +0.000	15.00 +0.00 -0.07	25.00 +0.052 +0.000
MUSN-16X24X5	16	24	5	5.70 ±0.20	16.00 -0.016 -0.043	24.00 +0.00 -0.20	16.00 +0.00 -0.20	24.00 +0.052 +0.000
MUSN-16X26X8	16	26	8	9.00 ±0.20	16.00 -0.016 -0.043	26.00 +0.084 +0.000	16.00 +0.00 -0.07	26.00 +0.052 +0.000
MUSN-18X26X5	18	26	5	5.70 ±0.20	18.00 -0.016 -0.043	26.00 +0.00 -0.20	18.00 +0.00 -0.20	26.00 +0.052 +0.000
MUSN-18X28X8	18	28	8	9.00 ±0.20	18.00 -0.016 -0.043	28.00 +0.084 +0.000	18.00 +0.00 -0.07	28.00 +0.052 +0.000
MUSN-20X28X5	20	28	5	5.70 ±0.20	20.00 -0.020 -0.053	28.00 +0.00 -0.20	20.00 +0.00 -0.20	28.00 +0.052 +0.000

STYLE MUSN SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUSN-20X30X8	20	30	8	9.00 ±0.20	20.00 -0.020 -0.053	30.00 +0.084 +0.000	20.00 +0.000 -0.084	30.00 +0.052 +0.000
MUSN-22X30X5	22	30	5	5.70 ±0.20	22.00 -0.020 -0.053	30.00 +0.00 -0.20	22.00 +0.00 -0.20	30.00 +0.052 +0.000
MUSN-22.4X30X5	22.4	30	5	5.70 ±0.20	22.40 -0.020 -0.053	30.00 +0.00 -0.20	22.40 +0.00 -0.20	30.00 +0.052 +0.000
MUSN-22.4X32.4X8	22.4	32.4	8	9.00 ±0.20	22.40 -0.020 -0.053	32.40 +0.10 +0.00	22.40 +0.000 -0.084	32.40 +0.062 +0.000
MUSN-23.5X31.5X5	23.5	31.5	5	5.70 ±0.20	23.50 -0.020 -0.053	31.50 +0.00 -0.20	23.50 +0.00 -0.20	31.50 +0.062 +0.000
MUSN-25X33X5	25	33	5	5.70 ±0.20	25.00 -0.020 -0.053	33.00 +0.00 -0.20	25.00 +0.00 -0.20	33.00 +0.062 +0.000
MUSN-25X35X8	25	35	8	9.00 ±0.20	25.00 -0.020 -0.053	35.00 +0.10 +0.00	25.00 +0.000 -0.084	35.00 +0.062 +0.000
MUSN-28X35.5X5	28	35.5	5	5.70 ±0.20	28.00 -0.020 -0.053	35.50 +0.00 -0.20	28.00 +0.00 -0.20	35.50 +0.062 +0.000
MUSN-28X43X10	28	43	10	11.00 ±0.20	28.00 -0.020 -0.053	43.00 +0.10 +0.00	28.00 +0.000 -0.084	43.00 +0.062 +0.000
MUSN-30X40X6	30	40	6	7.00 ±0.20	30.00 -0.020 -0.053	40.00 +0.00 -0.20	30.00 +0.00 -0.20	40.00 +0.062 +0.000
MUSN-30X45X10	30	45	10	11.00 ±0.20	30.00 -0.020 -0.053	45.00 +0.10 +0.00	30.00 +0.000 -0.084	45.00 +0.062 +0.000
MUSN-31.5X41.5X6	31.5	41.5	6	7.00 ±0.20	31.50 -0.025 -0.064	41.50 +0.00 -0.20	31.50 +0.00 -0.20	41.50 +0.062 +0.000
MUSN-31.5X44.5X10	31.5	44.5	10	11.00 ±0.20	31.50 -0.025 -0.064	44.50 +0.10 +0.00	31.50 +0.00 -0.10	44.50 +0.062 +0.000
MUSN-35X45X6	35	45	6	7.00 ±0.20	35.00 -0.025 -0.064	45.00 +0.00 -0.20	35.00 +0.00 -0.20	45.00 +0.062 +0.000
MUSN-35X50X10	35	50	10	11.00 ±0.20	35.00 -0.025 -0.064	50.00 +0.10 +0.00	35.00 +0.00 -0.10	50.00 +0.062 +0.000
MUSN-35.5X45X6	35.5	45	6	7.00 ±0.20	35.50 -0.025 -0.064	45.00 +0.00 -0.20	35.50 +0.00 -0.20	45.00 +0.062 +0.000
MUSN-35.5X50.5X10	35.5	50.5	10	11.00 ±0.20	35.50 -0.025 -0.064	50.50 +0.12 +0.00	35.50 +0.00 -0.10	50.50 +0.074 +0.000
MUSN-36X46X6	36	46	6	7.00 ±0.20	36.00 -0.025 -0.064	46.00 +0.00 -0.20	36.00 +0.00 -0.20	46.00 +0.062 +0.000
MUSN-40X50X6	40	50	6	7.00 ±0.20	40.00 -0.025 -0.064	50.00 +0.00 -0.20	40.00 +0.00 -0.20	50.00 +0.062 +0.000
MUSN-40X53X9	40	53	9	10.00 ±0.20	40.00 -0.025 -0.064	53.00 +0.12 +0.00	40.00 +0.00 -0.10	53.00 +0.074 +0.000
MUSN-40X55X5	40	55	5	5.70 ±0.20	40.00 -0.025 -0.064	55.00 +0.12 +0.00	40.00 +0.00 -0.10	55.00 +0.074 +0.000
MUSN-40X55X10	40	55	10	11.00 ±0.20	40.00 -0.025 -0.064	55.00 +0.12 +0.00	40.00 +0.00 -0.10	55.00 +0.074 +0.000
MUSN-40X60X12	40	60	12	13.00 ±0.20	40.00 -0.025 -0.064	60.00 +0.12 +0.00	40.00 +0.00 -0.10	60.00 +0.074 +0.000
MUSN-45X55X6	45	55	6	7.00 ±0.20	45.00 -0.025 -0.064	55.00 +0.00 -0.20	45.00 +0.00 -0.20	55.00 +0.074 +0.000
MUSN-45X56X7	45	56	7	8.00 ±0.20	45.00 -0.025 -0.064	56.00 +0.00 -0.20	45.00 +0.00 -0.20	56.00 +0.074 +0.000
MUSN-45X60X10	45	60	10	11.00 ±0.20	45.00 -0.025 -0.064	60.00 +0.12 +0.00	45.00 +0.00 -0.10	60.00 +0.074 +0.000
MUSN-48X63X10	48	63	10	11.00 ±0.20	48.00 -0.025 -0.064	63.00 +0.12 +0.00	48.00 +0.00 -0.10	63.00 +0.074 +0.000
MUSN-50X60X6	50	60	6	7.00 ±0.20	50.00 -0.025 -0.064	60.00 +0.00 -0.20	50.00 +0.00 -0.20	60.00 +0.074 +0.000
MUSN-50X60X8	50	60	8	9.00 ±0.20	50.00 -0.025 -0.064	60.00 +0.12 +0.00	50.00 +0.00 -0.10	60.00 +0.074 +0.000
MUSN-50X65X10	50	65	10	11.00 ±0.20	50.00 -0.025 -0.064	65.00 +0.12 +0.00	50.00 +0.00 -0.10	65.00 +0.074 +0.000
MUSN-53X63X6	53	63	6	7.00 ±0.20	53.00 -0.030 -0.076	63.00 +0.00 -0.20	53.00 +0.00 -0.20	63.00 +0.074 +0.000
MUSN-53X73X12	53	73	12	13.00 ±0.20	53.00 -0.030 -0.076	73.00 +0.12 +0.00	53.00 +0.00 -0.12	73.00 +0.074 +0.000
MUSN-54X70X12	54	70	12	13.00 ±0.20	54.00 -0.030 -0.076	70.00 +0.00 -0.20	54.00 +0.00 -0.20	70.00 +0.074 +0.000

STYLE MUSN SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUSN-55X65X6	55	65	6	7.00 ±0.20	55.00 -0.030 -0.076	65.00 +0.00 -0.20	55.00 +0.00 -0.20	65.00 +0.074 +0.000
MUSN-55X75X12	55	75	12	13.00 ±0.20	55.00 -0.030 -0.076	75.00 +0.12 +0.00	55.00 +0.00 -0.12	75.00 +0.074 +0.000
MUSN-56X66X6	56	66	6	7.00 ±0.20	56.00 -0.030 -0.076	66.00 +0.00 -0.20	56.00 +0.00 -0.20	66.00 +0.074 +0.000
MUSN-60X70X6	60	70	6	7.00 ±0.20	60.00 -0.030 -0.076	70.00 +0.00 -0.20	60.00 +0.00 -0.20	70.00 +0.074 +0.000
MUSN-60X71X7	60	71	7	8.00 ±0.20	60.00 -0.030 -0.076	71.00 +0.00 -0.20	60.00 +0.00 -0.20	71.00 +0.074 +0.000
MUSN-60X80X12	60	80	12	13.00 ±0.20	60.00 -0.030 -0.076	80.00 +0.12 +0.00	60.00 +0.00 -0.12	80.00 +0.074 +0.000
MUSN-63X73X6	63	73	6	7.00 ±0.20	63.00 -0.030 -0.076	73.00 +0.00 -0.20	63.00 +0.00 -0.20	73.00 +0.074 +0.000
MUSN-63X83X12	63	83	12	13.00 ±0.20	63.00 -0.030 -0.076	83.00 +0.14 +0.00	63.00 +0.00 -0.12	83.00 +0.087 +0.000
MUSN-64X80X12	64	80	12	13.00 ±0.20	64.00 -0.030 -0.076	80.00 +0.12 +0.00	64.00 +0.00 -0.12	80.00 +0.074 +0.000
MUSN-65X75X6	65	75	6	7.00 ±0.20	65.00 -0.030 -0.076	75.00 +0.00 -0.20	65.00 +0.00 -0.20	75.00 +0.074 +0.000
MUSN-65X85X12	65	85	12	13.00 ±0.20	65.00 -0.030 -0.076	85.00 +0.14 +0.00	65.00 +0.00 -0.12	85.00 +0.087 +0.000
MUSN-67X77X6	67	77	6	7.00 ±0.20	67.00 -0.030 -0.076	77.00 +0.00 -0.20	67.00 +0.00 -0.20	77.00 +0.074 +0.000
MUSN-67X87X12	67	87	12	13.00 ±0.20	67.00 -0.030 -0.076	87.00 +0.14 +0.00	67.00 +0.00 -0.12	87.00 +0.087 +0.000
MUSN-70X80X6	70	80	6	7.00 ±0.20	70.00 -0.030 -0.076	80.00 +0.00 -0.20	70.00 +0.00 -0.20	80.00 +0.074 +0.000
MUSN-70X90X10	70	90	10	11.00 +0.20 +0.00	70.00 -0.030 -0.076	90.00 +0.14 +0.00	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUSN-70X90X12	70	90	12	13.00 ±0.20	70.00 -0.030 -0.076	90.00 +0.14 +0.00	70.00 +0.00 -0.12	90.00 +0.087 +0.000
MUSN-71X80X6	71	80	6	7.00 ±0.20	71.00 -0.030 -0.076	80.00 +0.00 -0.20	71.00 +0.00 -0.20	80.00 +0.074 +0.000
MUSN-71X91X12	71	91	12	13.00 ±0.20	71.00 -0.030 -0.076	91.00 +0.14 +0.00	71.00 +0.00 -0.12	91.00 +0.087 +0.000
MUSN-75X85X6	75	85	6	7.00 ±0.20	75.00 -0.030 -0.076	85.00 +0.00 -0.20	75.00 +0.00 -0.20	85.00 +0.087 +0.000
MUSN-75X95X10	75	95	10	11.00 ±0.20	75.00 -0.030 -0.076	95.00 +0.14 +0.00	75.00 +0.00 -0.12	95.00 +0.087 +0.000
MUSN-75X95X12	75	95	12	13.00 ±0.20	75.00 -0.030 -0.076	95.00 +0.14 +0.00	75.00 +0.00 -0.12	95.00 +0.087 +0.000
MUSN-80X90X6	80	90	6	7.00 ±0.20	80.00 -0.030 -0.076	90.00 +0.00 -0.20	80.00 +0.00 -0.20	90.00 +0.087 +0.000
MUSN-80X95X12	80	95	12	13.00 ±0.20	80.00 -0.030 -0.076	95.00 +0.14 +0.00	80.00 +0.00 -0.12	95.00 +0.087 +0.000
MUSN-80X100X12	80	100	12	13.00 ±0.20	80.00 -0.030 -0.076	100.00 +0.14 +0.00	80.00 +0.00 -0.12	100.00 +0.087 +0.000
MUSN-85X100X9	85	100	9	10.00 ±0.20	85.00 -0.036 -0.090	100.00 +0.00 -0.20	85.00 +0.00 -0.20	100.00 +0.087 +0.000
MUSN-85X105X12	85	105	12	13.00 ±0.20	85.00 -0.036 -0.090	105.00 +0.14 +0.00	85.00 +0.00 -0.14	105.00 +0.087 +0.000
MUSN-88X109X10	88	109	10	11.00 ±0.20	88.00 -0.036 -0.090	109.00 +0.14 +0.00	88.00 +0.00 -0.14	109.00 +0.087 +0.000
MUSN-90X100X6	90	100	6	7.00 +0.30 +0.00	90.00 -0.036 -0.090	100.00 +0.00 -0.20	90.00 +0.00 -0.14	100.00 +0.087 +0.000
MUSN-90X105X9	90	105	9	10.00 ±0.20	90.00 -0.036 -0.090	105.00 +0.00 -0.20	90.00 +0.00 -0.20	105.00 +0.087 +0.000
MUSN-90X110X12	90	110	12	13.00 ±0.20	90.00 -0.036 -0.090	110.00 +0.14 +0.00	90.00 +0.00 -0.14	110.00 +0.087 +0.000
MUSN-95X110X9	95	110	9	10.00 ±0.20	95.00 -0.036 -0.090	110.00 +0.00 -0.20	95.00 +0.00 -0.20	110.00 +0.087 +0.000
MUSN-95X115X12	95	115	12	13.00 ±0.20	95.00 -0.036 -0.090	115.00 +0.14 +0.00	95.00 +0.00 -0.14	115.00 +0.087 +0.000
MUSN-98X112X9	98	112	9	10.00 ±0.20	98.00 -0.036 -0.090	112.00 +0.14 +0.00	98.00 +0.00 -0.14	112.00 +0.087 +0.000

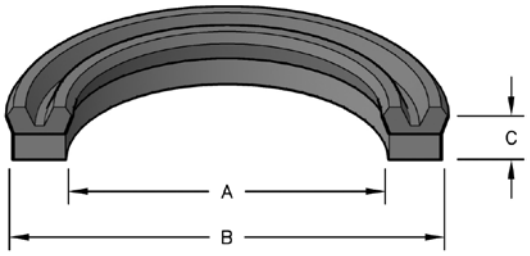
STYLE MUSN SYMMETRICAL U-SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUSN-100X115X9	100	115	9	10.00 ±0.20	100.00 -0.036 -0.090	115.00 +0.00 -0.20	100.00 +0.00 -0.20	115.00 +0.087 +0.000
MUSN-100X120X12	100	120	12	13.00 ±0.20	100.00 -0.036 -0.090	120.00 +0.14 +0.00	100.00 +0.00 -0.14	120.00 +0.087 +0.000
MUSN-105X125X15	105	125	15	16.00 ±0.20	105.00 -0.036 -0.090	125.00 +0.16 +0.00	105.00 +0.00 -0.14	125.00 +0.10 +0.00
MUSN-106X120X8.5	106	120	8.5	9.50 ±0.20	106.00 -0.036 -0.090	120.00 +0.00 -0.20	106.00 +0.00 -0.20	120.00 +0.087 +0.000
MUSN-106X126X15	106	126	15	16.00 ±0.20	106.00 -0.036 -0.090	126.00 +0.16 +0.00	106.00 +0.00 -0.14	126.00 +0.10 +0.00
MUSN-110X130X15	110	130	15	16.00 ±0.20	110.00 -0.036 -0.090	130.00 +0.16 +0.00	110.00 +0.00 -0.14	130.00 +0.10 +0.00
MUSN-110X135X12	110	135	12	13.00 ±0.20	110.00 -0.036 -0.090	135.00 +0.16 +0.00	110.00 +0.00 -0.14	135.00 +0.10 +0.00
MUSN-112X125X9	112	125	9	10.00 ±0.20	112.00 -0.036 -0.090	125.00 +0.00 -0.20	112.00 +0.00 -0.20	125.00 +0.10 +0.00
MUSN-112X132X15	112	132	15	16.00 ±0.20	112.00 -0.036 -0.090	132.00 +0.16 +0.00	112.00 +0.00 -0.14	132.00 +0.10 +0.00
MUSN-115X130X9	115	130	9	10.00 +0.30 +0.00	115.00 -0.036 -0.090	130.00 +0.00 -0.20	115.00 +0.00 -0.14	130.00 +0.10 +0.00
MUSN-118X138X15	118	138	15	16.00 ±0.20	118.00 -0.036 -0.090	138.00 +0.16 +0.00	118.00 +0.00 -0.14	138.00 +0.10 +0.00
MUSN-120X140X10	120	140	10	11.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.16 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUSN-120X140X15	120	140	15	16.00 ±0.20	120.00 -0.036 -0.090	140.00 +0.16 +0.00	120.00 +0.00 -0.14	140.00 +0.10 +0.00
MUSN-125X140X9	125	140	9	10.00 ±0.20	125.00 -0.043 -0.106	140.00 +0.00 -0.20	125.00 +0.00 -0.20	140.00 +0.10 +0.00
MUSN-130X150X15	130	150	15	16.00 ±0.20	130.00 -0.043 -0.106	150.00 +0.16 +0.00	130.00 +0.00 -0.16	150.00 +0.10 +0.00
MUSN-136X150X9	136	150	9	10.00 ±0.20	136.00 -0.043 -0.106	150.00 +0.16 +0.00	136.00 +0.00 -0.16	150.00 +0.10 +0.00
MUSN-140X160X15	140	160	15	16.00 ±0.20	140.00 -0.043 -0.106	160.00 +0.16 +0.00	140.00 +0.00 -0.16	160.00 +0.10 +0.00
MUSN-145X160X9	145	160	9	10.00 ±0.20	145.00 -0.043 -0.106	160.00 +0.00 -0.20	145.00 +0.00 -0.20	160.00 +0.10 +0.00
MUSN-150X165X9	150	165	9	10.00 ±0.20	150.00 -0.043 -0.106	165.00 +0.00 -0.20	150.00 +0.00 -0.20	165.00 +0.10 +0.00
MUSN-160X175X9	160	175	9	10.00 ±0.20	160.00 -0.043 -0.106	175.00 +0.00 -0.20	160.00 +0.00 -0.20	175.00 +0.10 +0.00
MUSN-165X180X9	165	180	9	10.00 ±0.20	165.00 -0.043 -0.106	180.00 +0.00 -0.20	165.00 +0.00 -0.20	180.00 +0.10 +0.00
MUSN-180X200X12	180	200	12	13.00 ±0.20	180.00 -0.043 -0.106	200.00 +0.00 -0.20	180.00 +0.00 -0.20	200.00 +0.115 +0.000
MUSN-200X220X12	200	220	12	13.00 ±0.20	200.00 -0.050 -0.122	220.00 +0.00 -0.20	200.00 +0.00 -0.20	220.00 +0.115 +0.000
MUSN-204X224X12	204	224	12	13.00 ±0.20	204.00 -0.050 -0.122	224.00 +0.00 -0.20	204.00 +0.00 -0.20	224.00 +0.115 +0.000
MUSN-230X250X12	230	250	12	13.00 ±0.20	230.00 -0.050 -0.122	250.00 +0.00 -0.20	230.00 +0.00 -0.20	250.00 +0.115 +0.000

Seal color may vary.

STYLE MUFN-U SYMMETRICAL U-SEALS

Incorporating a rubber U-cup shape and a rubberized fabric heel, this seal provides excellent sealability and high strength. The 'U' shape design decreases the radial interference for lower lip friction.

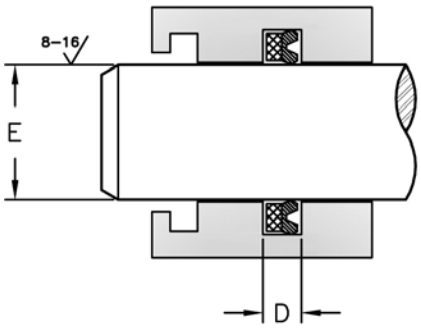


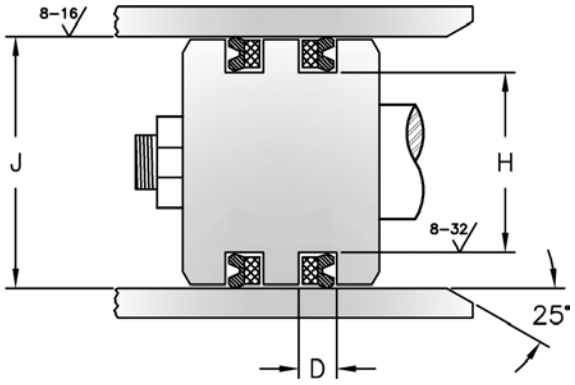
PART NUMBERS

MUFN - 56 X 71 X 9.5

Style Prefix | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE / FABRIC BASE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 2,900 PSI
SPEED	1.5 FT/SEC



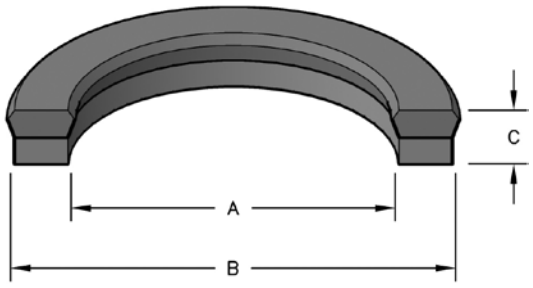


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MUFN-56X71X9.5U	56	71	9.5	9.50 +0.60 +0.40	56.00 ±0.06	71.00 +0.12 +0.00
MUFN-63X78X9.5U	63	78	9.5	9.50 +0.60 +0.40	63.00 ±0.06	78.00 +0.12 +0.00

Seal color may vary.

STYLE MUFN-P SYMMETRICAL SEALS

Incorporating a rubber seal lip and a rubberized fabric heel, this seal provides excellent sealability and high strength.

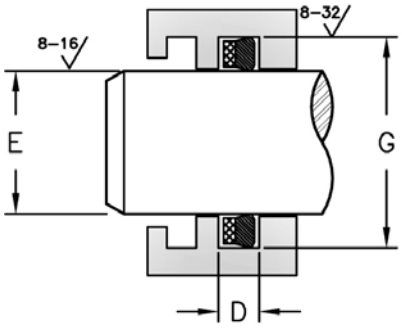


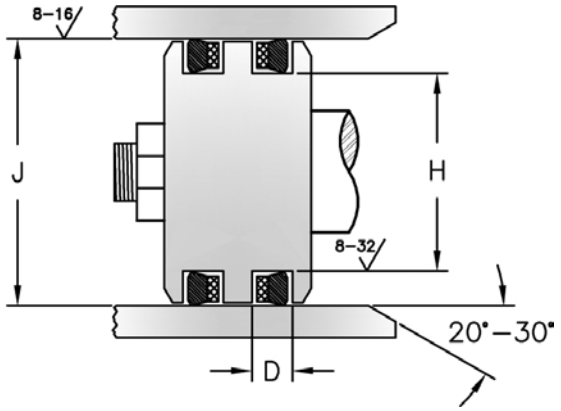
PART NUMBERS

MUFN - 12 X 19 X 6

Style Prefix — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	NITRILE / FABRIC BASE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 2,900
SPEED	1.5 FT/SEC





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUFN-12X19X6P	12	19	6	6.00 +0.60 +0.40	12.00 +0.000 -0.043	19.00 +0.13 +0.00	12.00 -0.016 -0.043	19.00 +0.052 +0.000
MUFN-12X20X6.3P	12	20	6.3	6.30 +0.60 +0.40	12.00 +0.000 -0.043	20.00 +0.13 +0.00	12.00 -0.016 -0.043	20.00 +0.052 +0.000
MUFN-14X22X6P	14	22	6	6.00 +0.60 +0.40	14.00 +0.000 -0.043	22.00 +0.13 +0.00	14.00 -0.016 -0.043	22.00 +0.052 +0.000
MUFN-15X23X5.8P	15	23	5.8	5.80 +0.60 +0.40	15.00 +0.000 -0.043	23.00 +0.13 +0.00	15.00 -0.016 -0.043	23.00 +0.052 +0.000
MUFN-16X24X6P	16	24	6	6.00 +0.60 +0.40	16.00 +0.000 -0.043	24.00 +0.13 +0.00	16.00 -0.016 -0.043	24.00 +0.052 +0.000
MUFN-18X24X5P	18	24	5	5.00 +0.60 +0.40	18.00 +0.000 -0.043	24.00 +0.13 +0.00	18.00 -0.016 -0.043	24.00 +0.052 +0.000
MUFN-18X26X5.8P	18	26	5.8	5.80 +0.60 +0.40	18.00 +0.000 -0.043	26.00 +0.13 +0.00	18.00 -0.016 -0.043	26.00 +0.052 +0.000
MUFN-18X26X6P	18	26	6	6.00 +0.60 +0.40	18.00 +0.000 -0.043	26.00 +0.13 +0.00	18.00 -0.016 -0.043	26.00 +0.052 +0.000
MUFN-18X28X5.8P	18	28	5.8	5.80 +0.60 +0.40	18.00 +0.000 -0.043	28.00 +0.13 +0.00	18.00 -0.016 -0.043	28.00 +0.052 +0.000
MUFN-20X26X5P	20	26	5	5.00 +0.60 +0.40	20.00 +0.000 -0.052	26.00 +0.13 +0.00	20.00 -0.020 -0.053	26.00 +0.052 +0.000
MUFN-20X28X5.8P	20	28	5.8	5.80 +0.60 +0.40	20.00 +0.000 -0.052	28.00 +0.13 +0.00	20.00 -0.020 -0.053	28.00 +0.052 +0.000
MUFN-20X28X6.5P	20	28	6.5	6.50 +0.60 +0.40	20.00 +0.000 -0.052	28.00 +0.13 +0.00	20.00 -0.020 -0.053	28.00 +0.052 +0.000
MUFN-20X30X8P	20	30	8	8.00 +0.60 +0.40	20.00 +0.000 -0.052	30.00 +0.13 +0.00	20.00 -0.020 -0.053	30.00 +0.052 +0.000
MUFN-22X30X6.5P	22	30	6.5	6.50 +0.60 +0.40	22.00 +0.000 -0.052	30.00 +0.13 +0.00	22.00 -0.020 -0.053	30.00 +0.052 +0.000
MUFN-22X30X7P	22	30	7	7.00 +0.60 +0.40	22.00 +0.000 -0.052	30.00 +0.13 +0.00	22.00 -0.020 -0.053	30.00 +0.052 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

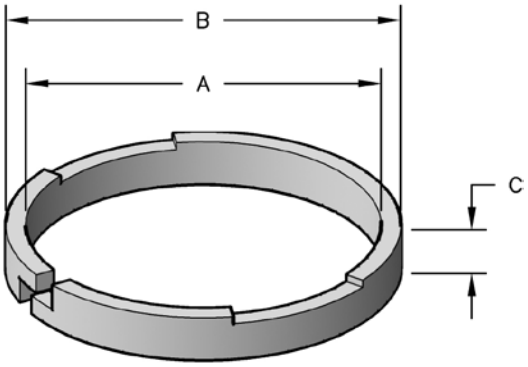
STYLE MUFN-P SYMMETRICAL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUFN-25X32X6P	25	32	6	6.00 +0.60 +0.40	25.00 +0.000 -0.052	32.00 +0.16 +0.00	25.00 -0.020 -0.053	32.00 +0.062 +0.000
MUFN-25X33X6P	25	33	6	6.00 +0.60 +0.40	25.00 +0.000 -0.052	33.00 +0.16 +0.00	25.00 -0.020 -0.053	33.00 +0.062 +0.000
MUFN-25X35X8P	25	35	8	8.00 +0.60 +0.40	25.00 +0.000 -0.052	35.00 +0.16 +0.00	25.00 -0.020 -0.053	35.00 +0.062 +0.000
MUFN-28X36X6P	28	36	6	6.00 +0.60 +0.40	28.00 +0.000 -0.052	36.00 +0.16 +0.00	28.00 -0.020 -0.053	36.00 +0.062 +0.000
MUFN-30X38X5.78P	30	38	5.78	5.78 +0.60 +0.40	30.00 +0.000 -0.052	38.00 +0.16 +0.00	30.00 -0.020 -0.053	38.00 +0.062 +0.000
MUFN-30X38X6P	30	38	6	6.00 +0.60 +0.40	30.00 +0.000 -0.052	38.00 +0.16 +0.00	30.00 -0.020 -0.053	38.00 +0.062 +0.000
MUFN-30X38X7P	30	38	7	7.00 +0.60 +0.40	30.00 +0.000 -0.052	38.00 +0.16 +0.00	30.00 -0.020 -0.053	38.00 +0.062 +0.000
MUFN-30X40X7P	30	40	7	7.00 +0.60 +0.40	30.00 +0.000 -0.052	40.00 +0.16 +0.00	30.00 -0.020 -0.053	40.00 +0.062 +0.000
MUFN-32X40X6P	32	40	6	6.00 +0.60 +0.40	32.00 +0.000 -0.062	40.00 +0.16 +0.00	32.00 -0.025 -0.064	40.00 +0.062 +0.000
MUFN-35X43X6P	35	43	6	6.00 +0.60 +0.40	35.00 +0.000 -0.062	43.00 +0.16 +0.00	35.00 -0.025 -0.064	43.00 +0.062 +0.000
MUFN-35X45X7.5P	35	45	7.5	7.50 +0.60 +0.40	35.00 +0.000 -0.062	45.00 +0.16 +0.00	35.00 -0.025 -0.064	45.00 +0.062 +0.000
MUFN-35X50X10.5P	35	50	10.5	10.50 +0.60 +0.40	35.00 +0.000 -0.062	50.00 +0.16 +0.00	35.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-36X44X5.8P	36	44	5.8	5.80 +0.60 +0.40	36.00 +0.000 -0.062	44.00 +0.16 +0.00	36.00 -0.025 -0.064	44.00 +0.062 +0.000
MUFN-36X44X6P	36	44	6	6.00 +0.60 +0.40	36.00 +0.000 -0.062	44.00 +0.16 +0.00	36.00 -0.025 -0.064	44.00 +0.062 +0.000
MUFN-36X44X8P	36	44	8	8.00 +0.60 +0.40	36.00 +0.000 -0.062	44.00 +0.16 +0.00	36.00 -0.025 -0.064	44.00 +0.062 +0.000
MUFN-36X46X7.5P	36	46	7.5	7.50 +0.60 +0.40	36.00 +0.000 -0.062	46.00 +0.16 +0.00	36.00 -0.025 -0.064	46.00 +0.062 +0.000
MUFN-36X48X9P	36	48	9	9.00 +0.60 +0.40	36.00 +0.000 -0.062	48.00 +0.16 +0.00	36.00 -0.025 -0.064	48.00 +0.062 +0.000
MUFN-36X51X11P	36	51	11	11.00 +0.60 +0.40	36.00 +0.000 -0.062	51.00 +0.19 +0.00	36.00 -0.025 -0.064	51.00 +0.074 +0.000
MUFN-38X50X9P	38	50	9	9.00 +0.60 +0.40	38.00 +0.000 -0.062	50.00 +0.16 +0.00	38.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-40X48X6P	40	48	6	6.00 +0.60 +0.40	40.00 +0.000 -0.062	48.00 +0.16 +0.00	40.00 -0.025 -0.064	48.00 +0.062 +0.000
MUFN-40X48X8P	40	48	8	8.00 +0.60 +0.40	40.00 +0.000 -0.062	48.00 +0.16 +0.00	40.00 -0.025 -0.064	48.00 +0.062 +0.000
MUFN-40X50X7P	40	50	7	7.00 +0.60 +0.40	40.00 +0.000 -0.062	50.00 +0.16 +0.00	40.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-40X50X10P	40	50	10	10.00 +0.60 +0.40	40.00 +0.000 -0.062	50.00 +0.16 +0.00	40.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-40X50X10.5P	40	50	10.5	10.50 +0.60 +0.40	40.00 +0.000 -0.062	50.00 +0.16 +0.00	40.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-40X55X11P	40	55	11	11.00 +0.60 +0.40	40.00 +0.000 -0.062	55.00 +0.19 +0.00	40.00 -0.025 -0.064	55.00 +0.074 +0.000
MUFN-40X60X14P	40	60	14	14.00 +0.60 +0.40	40.00 +0.000 -0.062	60.00 +0.19 +0.00	40.00 -0.025 -0.064	60.00 +0.074 +0.000
MUFN-42X50X6P	42	50	6	6.00 +0.60 +0.40	42.00 +0.000 -0.062	50.00 +0.16 +0.00	42.00 -0.025 -0.064	50.00 +0.062 +0.000
MUFN-45X55X7.5P	45	55	7.5	7.50 +0.60 +0.40	45.00 +0.000 -0.062	55.00 +0.19 +0.00	45.00 -0.025 -0.064	55.00 +0.074 +0.000
MUFN-45X55X10P	45	55	10	10.00 +0.60 +0.40	45.00 +0.000 -0.062	55.00 +0.19 +0.00	45.00 -0.025 -0.064	55.00 +0.074 +0.000
MUFN-45X60X10P	45	60	10	10.00 +0.60 +0.40	45.00 +0.000 -0.062	60.00 +0.19 +0.00	45.00 -0.025 -0.064	60.00 +0.074 +0.000
MUFN-50X58X8P	50	58	8	8.00 +0.60 +0.40	50.00 +0.000 -0.062	58.00 +0.19 +0.00	50.00 -0.025 -0.064	58.00 +0.074 +0.000
MUFN-50X60X7.5P	50	60	7.5	7.50 +0.60 +0.40	50.00 +0.000 -0.062	60.00 +0.19 +0.00	50.00 -0.025 -0.064	60.00 +0.074 +0.000
MUFN-50X65X10.5P	50	65	10.5	10.50 +0.60 +0.40	50.00 +0.000 -0.062	65.00 +0.19 +0.00	50.00 -0.025 -0.064	65.00 +0.074 +0.000

STYLE MUFN-P SYMMETRICAL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	J BORE DIAMETER
MUFN-50X70X13.5P	50	70	13.5	13.50 +0.60 +0.40	50.00 +0.000 -0.062	70.00 +0.19 +0.00	50.00 -0.025 -0.064	70.00 +0.074 +0.000
MUFN-50X70X14P	50	70	14	14.00 +0.60 +0.40	50.00 +0.000 -0.062	70.00 +0.19 +0.00	50.00 -0.025 -0.064	70.00 +0.074 +0.000
MUFN-55X65X7.5P	55	65	7.5	7.50 +0.60 +0.40	55.00 +0.000 -0.074	65.00 +0.19 +0.00	55.00 -0.030 -0.076	65.00 +0.074 +0.000
MUFN-56X66X7.5P	56	66	7.5	7.50 +0.60 +0.40	56.00 +0.000 -0.074	66.00 +0.19 +0.00	56.00 -0.030 -0.076	66.00 +0.074 +0.000
MUFN-56X76X14P	56	76	14	14.00 +0.60 +0.40	56.00 +0.000 -0.074	76.00 +0.19 +0.00	56.00 -0.030 -0.076	76.00 +0.074 +0.000
MUFN-60X70X7.2P	60	70	7.2	7.20 +0.60 +0.40	60.00 +0.000 -0.074	70.00 +0.19 +0.00	60.00 -0.030 -0.076	70.00 +0.074 +0.000
MUFN-60X70X7.5P	60	70	7.5	7.50 +0.60 +0.40	60.00 +0.000 -0.074	70.00 +0.19 +0.00	60.00 -0.030 -0.076	70.00 +0.074 +0.000
MUFN-60X72X9.5P	60	72	9.5	9.50 +0.60 +0.40	60.00 +0.000 -0.074	72.00 +0.19 +0.00	60.00 -0.030 -0.076	72.00 +0.074 +0.000
MUFN-60X80X14P	60	80	14	14.00 +0.60 +0.40	60.00 +0.000 -0.074	80.00 +0.19 +0.00	60.00 -0.030 -0.076	80.00 +0.074 +0.000
MUFN-63X75X9P	63	75	9	9.00 +0.60 +0.40	63.00 +0.000 -0.074	75.00 +0.19 +0.00	63.00 -0.030 -0.076	75.00 +0.074 +0.000
MUFN-65X77X9P	65	77	9	9.00 +0.60 +0.40	65.00 +0.000 -0.074	77.00 +0.19 +0.00	65.00 -0.030 -0.076	77.00 +0.074 +0.000
MUFN-70X78X6P	70	78	6	6.00 +0.60 +0.40	70.00 +0.000 -0.074	78.00 +0.19 +0.00	70.00 -0.030 -0.076	78.00 +0.074 +0.000
MUFN-70X80X7.5P	70	80	7.5	7.50 +0.60 +0.40	70.00 +0.000 -0.074	80.00 +0.19 +0.00	70.00 -0.030 -0.076	80.00 +0.074 +0.000
MUFN-70X82X9P	70	82	9	9.00 +0.60 +0.40	70.00 +0.000 -0.074	82.00 +0.22 +0.00	70.00 -0.030 -0.076	82.00 +0.087 +0.000
MUFN-70X84X12P	70	84	12	12.00 +0.60 +0.40	70.00 +0.000 -0.074	84.00 +0.22 +0.00	70.00 -0.030 -0.076	84.00 +0.087 +0.000
MUFN-70X85X12P	70	85	12	12.00 +0.60 +0.40	70.00 +0.000 -0.074	85.00 +0.22 +0.00	70.00 -0.030 -0.076	85.00 +0.087 +0.000
MUFN-70X90X13.5P	70	90	13.5	13.50 +0.60 +0.40	70.00 +0.000 -0.074	90.00 +0.22 +0.00	70.00 -0.030 -0.076	90.00 +0.087 +0.000
MUFN-70X90X14P	70	90	14	14.00 +0.60 +0.40	70.00 +0.000 -0.074	90.00 +0.22 +0.00	70.00 -0.030 -0.076	90.00 +0.087 +0.000
MUFN-80X92X8.6P	80	92	8.6	8.60 +0.60 +0.40	80.00 +0.000 -0.074	92.00 +0.22 +0.00	80.00 -0.030 -0.076	92.00 +0.087 +0.000
MUFN-80X92X9P	80	92	9	9.00 +0.60 +0.40	80.00 +0.000 -0.074	92.00 +0.22 +0.00	80.00 -0.030 -0.076	92.00 +0.087 +0.000
MUFN-80X100X14P	80	100	14	14.00 +0.60 +0.40	80.00 +0.000 -0.074	100.00 +0.22 +0.00	80.00 -0.030 -0.076	100.00 +0.087 +0.000
MUFN-85X100X12P	85	100	12	12.00 +0.60 +0.40	85.00 +0.000 -0.087	100.00 +0.22 +0.00	85.00 -0.036 -0.090	100.00 +0.087 +0.000
MUFN-90X102X8.6P	90	102	8.6	8.60 +0.60 +0.40	90.00 +0.000 -0.087	102.00 +0.22 +0.00	90.00 -0.036 -0.090	102.00 +0.087 +0.000
MUFN-90X102X9P	90	102	9	9.00 +0.60 +0.40	90.00 +0.000 -0.087	102.00 +0.22 +0.00	90.00 -0.036 -0.090	102.00 +0.087 +0.000
MUFN-90X105X12P	90	105	12	12.00 +0.60 +0.40	90.00 +0.000 -0.087	105.00 +0.22 +0.00	90.00 -0.036 -0.090	105.00 +0.087 +0.000
MUFN-100X115X12P	100	115	12	12.00 +0.60 +0.40	100.00 +0.000 -0.087	115.00 +0.22 +0.00	100.00 -0.036 -0.090	115.00 +0.087 +0.000
MUFN-100X120X14P	100	120	14	14.00 +0.60 +0.40	100.00 +0.000 -0.087	120.00 +0.22 +0.00	100.00 -0.036 -0.090	120.00 +0.087 +0.000
MUFN-110X125X11P	110	125	11	11.00 +0.60 +0.40	110.00 +0.000 -0.087	125.00 +0.25 +0.00	110.00 -0.036 -0.090	125.00 +0.10 +0.00
MUFN-110X125X11	110	125	11.7	12.00 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.25 +0.00	110.00 -0.036 -0.090	125.00 +0.10 +0.00
MUFN-120X132.7X9.5P	120	132.7	9.5	9.50 +0.60 +0.40	120.00 +0.000 -0.087	132.70 +0.25 +0.00	120.00 -0.036 -0.090	132.70 +0.10 +0.00
MUFN-160X180X15P	160	180	15	15.00 +0.60 +0.40	160.00 +0.00 -0.10	180.00 +0.25 +0.00	160.00 -0.043 -0.106	180.00 +0.10 +0.00

STYLE MRT CUSHION SEALS



PART NUMBERS

MRT - 30B

Style Prefix — Outside Diameter

SEAL INFORMATION	
MATERIAL	NYLON OR REINFORCED PHENOLIC
TEMPERATURE RANGE	N = -67° TO +212° F P = -67° TO +248° F
PRESSURE RANGE	0 TO 5,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	OUTSIDE DIAMETER	C HEIGHT	CROSS SECTION	SPLIT TYPE	MATERIAL
MRT-22	17.8	22	3.5	19.40	23.60	3.50 +0.01 -0.15	2.10 -0.01 -0.07	BUTT CUT	NYLON
MRT-30B	25	30	5	24.80	30.00	5.00 +0.00 -0.13	2.60 -0.01 -0.07	BUTT CUT	POM
MRT-30A	26	30	5	25.80	30.00	4.95 +0.00 -0.13	2.10 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-38B	32	38	6	31.76	38.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-38C	32	38	6	31.76	38.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-38	33	38	6	33.00	38.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-40	34	39	6	33.65	38.85	6.00 +0.00 -0.08	2.60 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-45A	39	45	6	38.76	45.00	6.00 -0.01 -0.07	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-46B	40	46	6	39.80	46.00	6.00 +0.00 -0.07	3.10 -0.01 -0.07	BUTT CUT	NYLON
MRT-46	41	46	6	41.00	46.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-46C	41	47	6	41.00	47.00	6.00 +0.00 -0.20	3.00 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-52	46	52	6	45.60	51.60	6.00 -0.01 -0.14	3.00 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-55A	48	54	6	48.50	54.42	6.00 +0.00 -0.25	2.96 ±0.03	STEP CUT	PHENOLIC
MRT-65B	58	64	6	58.10	64.00	6.00	2.95	STEP CUT	NYLON
MRT-65A	59	65	6	58.76	65.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-65	60	65	6	60.00	65.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-71	61.4	71	6	61.40	71.00	6.00 +0.00 -0.13	4.80 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-70A	63	69	6	63.00	69.00	6.00 +0.00 -0.13	3.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-70B	64	70	6	64.00	70.00	6.00 +0.00 -0.13	3.00 -0.01 -0.07	BUTT CUT	NYLON
MRT-70	65	70	6	65.00	70.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-72A	65	71	6	64.80	70.80	6.00 +0.00 -0.13	3.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-72	66	72	8	66.00	72.00	8.00 -0.01 -0.07	3.00 -0.01 -0.07	STEP CUT	PHENOLIC

STYLE MRT CUSHION SEALS

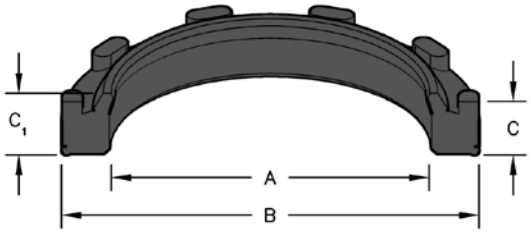
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	OUTSIDE DIAMETER	C HEIGHT	CROSS SECTION	SPLIT TYPE	MATERIAL
MRT-75A	68	74	6	68.00	74.00	6.00 +0.00 -0.13	3.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-75C	69	75	6	68.76	75.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-80A	69	79	8	69.00	78.85	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-80B	69	79	10	68.85	78.85	10.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-75	70	75	6	70.00	75.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-80C	74	80	6	73.76	80.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-85A	74	84	8	74.00	84.00	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-82	74.8	81	6	74.80	81.00	6.00 +0.00 -0.10	3.10 +0.03 -0.05	BUTT CUT	NYLON
MRT-80	75	80	6	75.00	80.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-85C	75	85	10	75.00	85.00	10.00 -0.01 -0.14	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-85B	79	85	6	78.76	85.00	6.00 -0.01 -0.08	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-90A	79	89	8	79.00	89.00	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-85	80	85	6	80.00	85.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-89A	80.5	90.5	10	78.50	88.40	10.00 -0.01 -0.14	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-87	81	87	6	80.76	87.00	6.00 -0.01 -0.07	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-89	84	89	6	84.00	89.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-90C	84	90	6	83.76	90.00	6.00 +0.00 -0.13	3.12 -0.01 -0.07	BUTT CUT	PHENOLIC
MRT-95A	84	94	8	83.70	93.70	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-90	85	90	6	85.00	90.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-95B	89	95	6	88.76	95.00	6.00 -0.01 -0.08	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-100A	89	99	8	88.85	98.85	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-95	90	95	6	90.00	95.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-98	92.5	98.5	6	92.26	98.50	6.00 -0.01 -0.07	3.12 -0.01 -0.07	BUTT CUT	NYLON
MRT-100B	94	100	6	93.80	100.00	6.00 +0.00 -0.13	3.10 +0.00 -0.07	BUTT CUT	NYLON
MRT-105A	94	104	8	93.50	103.50	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-100	95	100	6	95.00	100.00	6.00 +0.00 -0.13	2.50 -0.01 -0.07	BUTT CUT	NYLON
MRT-104A	95	105	10	94.10	104.00	10.00 -0.01 -0.14	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-105	100	105	6	99.84	105.00	6.00 +0.00 -0.13	2.58 -0.01 -0.05	BUTT CUT	PHENOLIC
MRT-110C	100	110	10	100.00	110.00	10.00 -0.01 -0.14	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-107	102	107	6	105.00	107.00	6.00 ±0.13	2.60 +0.00 -0.05	BUTT CUT	PHENOLIC
MRT-111BBZ	103.3	109.6	6	103.30	109.60	6.00 +0.00 -0.13	3.15 +0.00 -0.07	BUTT CUT	BRONZE

STYLE MRT CUSHION SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	INSIDE DIAMETER	OUTSIDE DIAMETER	C HEIGHT	CROSS SECTION	SPLIT TYPE	MATERIAL
MRT-110BZ	104.8	110	6	104.80	110.00	6.00 +0.00 -0.10	2.60 +0.00 -0.07	BUTT CUT	BRONZE
MRT-115ABZ	108.8	115.1	6	108.80	115.10	6.00 +0.00 -0.07	3.15 +0.00 -0.07	BUTT CUT	BRONZE
MRT-115B	109	115	6	109.00	115.00	6.00 ±0.13	3.00 +0.00 -0.07	BUTT CUT	NYLON
MRT-120A	109	119	8	108.50	118.50	8.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-115	110	115	6	109.80	115.00	6.00 +0.00 -0.13	2.60 +0.00 -0.08	BUTT CUT	PHENOLIC
MRT-120B	110	120	10	110.00	120.00	10.00 +0.00 -0.13	5.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-120BZ	114.8	120	6	114.80	120.00	6.00 +0.00 -0.10	2.60 +0.00 -0.07	BUTT CUT	BRONZE
MRT-120	115	120	6	115.00	120.00	6.00 ±0.13	2.60 +0.00 -0.05	BUTT CUT	PHENOLIC
MRT-128A	116	128	10	116.00	128.00	10.00 +0.00 -0.13	6.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-131	119.3	131.3	10	119.30	131.30	10.00 -0.01 -0.14	6.00 -0.01 -0.07	STEP CUT	PHENOLIC
MRT-134A	122	134	10	122.00	134.00	10.00 +0.00 -0.13	6.00 -0.01 -0.07	STEP CUT	PHENOLIC

STYLE MCK53 CUSHION SEALS

Molded in 92A urethane, the MCK53 is a pneumatic cushion seal with specially designed spacer lugs and flow passages to cushion at the end of the stroke in a pneumatic cylinder.

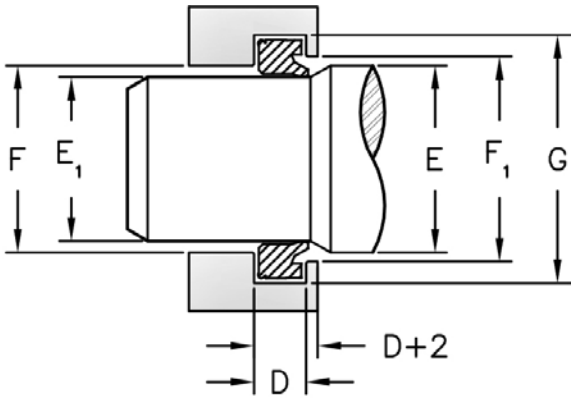


PART NUMBERS

MCK53 - 012

Style Prefix — Inside Diameter

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-22 - +176° F
PRESSURE RANGE	0 TO 230 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	F_1	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH	E_1 STUB DIAMETER	th THICKNESS
MCK53-012	12	18	4.1	5.00	4.80 ±0.10	12.00 +0.00 -0.07	13.00 +0.11 +0.00	15.50 +0.11 +0.00	18.00 +0.11 +0.00	6.80 ±0.20	8.00 -0.013 -0.035	4.10
MCK53-012/1	12	20	6.2	7.80	7.00 ±0.10	12.00 +0.00 -0.07	13.00 +0.11 +0.00	17.00 +0.11 +0.00	20.00 +0.13 +0.00	9.00 ±0.20	8.00 -0.013 -0.035	6.20
MCK53-014	14	22	6.2	7.80	7.00 ±0.10	14.00 +0.00 -0.07	15.00 +0.11 +0.00	19.00 +0.13 +0.00	22.00 +0.13 +0.00	9.00 ±0.20	10.00 -0.013 -0.035	6.20
MCK53-016/1	16	22	4.7	5.50	5.20 ±0.10	16.00 +0.00 -0.07	17.00 +0.11 +0.00	19.50 +0.13 +0.00	22.00 +0.13 +0.00	7.20 ±0.20	12.00 -0.016 -0.043	4.70
MCK53-016	16	24	6.2	7.80	7.00 ±0.10	16.00 +0.00 -0.07	17.00 +0.11 +0.00	21.00 +0.13 +0.00	24.00 +0.13 +0.00	9.00 ±0.20	12.00 -0.016 -0.043	6.20
MCK53-020	20	28	6.2	7.80	7.00 ±0.10	20.00 +0.000 -0.084	21.00 +0.13 +0.00	24.00 +0.13 +0.00	28.00 +0.13 +0.00	9.00 ±0.20	16.00 -0.016 -0.043	6.20
MCK53-024	24	32	6.2	7.80	7.00 ±0.10	24.00 +0.000 -0.084	25.00 +0.13 +0.00	28.00 +0.13 +0.00	32.00 +0.16 +0.00	9.00 ±0.20	20.00 -0.020 -0.053	6.20
MCK53-025	25	33	6.3	7.80	7.00 ±0.10	25.00 +0.000 -0.084	26.00 +0.13 +0.00	29.00 +0.13 +0.00	33.00 +0.16 +0.00	9.00 ±0.20	21.00 -0.020 -0.053	6.30
MCK53-025-N	25	33	6.3	7.80	7.00 ±0.10	25.00 +0.000 -0.084	26.00 +0.13 +0.00	29.00 +0.13 +0.00	33.00 +0.16 +0.00	9.00 ±0.20	21.00 -0.020 -0.053	6.30
MCK53-025/1	25	35	6.2	7.80	7.00 ±0.10	25.00 +0.000 -0.084	26.00 +0.13 +0.00	30.00 +0.13 +0.00	35.00 +0.16 +0.00	9.00 ±0.20	21.00 -0.020 -0.053	6.20
MCK53-030	30	40	6.2	7.80	7.00 ±0.10	30.00 +0.000 -0.084	31.50 +0.16 +0.00	35.00 +0.16 +0.00	40.00 +0.16 +0.00	9.00 ±0.20	26.00 -0.020 -0.053	6.20
MCK53-036	36	46	6.2	7.80	7.00 ±0.10	36.00 +0.00 -0.10	37.50 +0.16 +0.00	41.00 +0.16 +0.00	46.00 +0.16 +0.00	9.00 ±0.20	32.00 -0.025 -0.064	6.20
MCK53-040	40	50	6.2	7.80	7.00 ±0.10	40.00 +0.00 -0.10	41.50 +0.16 +0.00	45.00 +0.16 +0.00	50.00 +0.16 +0.00	9.00 ±0.20	32.00 -0.025 -0.064	6.20

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

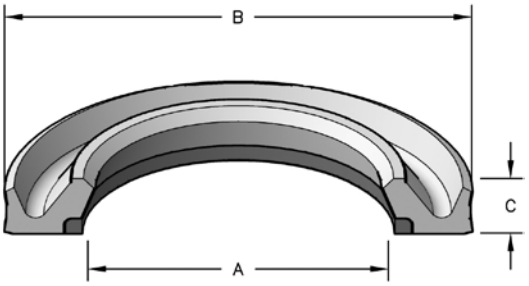
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCK53 CUSHION SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	F_1	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH	E_1 STUB DIAMETER	th THICKNESS
MCK53-050/1	50	60	6.2	7.80	7.00 ±0.10	50.00 +0.00 -0.10	51.50 +0.19 +0.00	55.00 +0.19 +0.00	60.00 +0.19 +0.00	9.00 ±0.20	46.00 -0.025 -0.064	6.20
MCK53-050	50	67	11	11.00	12.50 ±0.10	50.00 +0.00 -0.10	53.00 +0.19 +0.00	58.00 +0.19 +0.00	67.00 +0.19 +0.00	14.50 ±0.20	46.00 -0.025 -0.064	11.00
MCK53-057	57	74	10	11.00	12.50 ±0.10	57.00 +0.00 -0.12	60.00 +0.19 +0.00	65.00 +0.19 +0.00	74.00 +0.19 +0.00	14.50 ±0.20	53.00 -0.030 -0.076	10.00
MCK53-070	70	87	10	11.00	12.50 ±0.10	70.00 +0.00 -0.12	73.00 +0.19 +0.00	78.00 +0.19 +0.00	87.00 +0.22 +0.00	14.50 ±0.20	66.00 -0.030 -0.076	10.00

STYLE MYR BUFFER SEALS

Molded in urethane and employing a back-up, this seal absorbs the shock of pressure spikes to protect the rod seal. The unique design relieves back pressure between the buffer and the rod seal.
NOTE: ME = Merkel Equivalent.

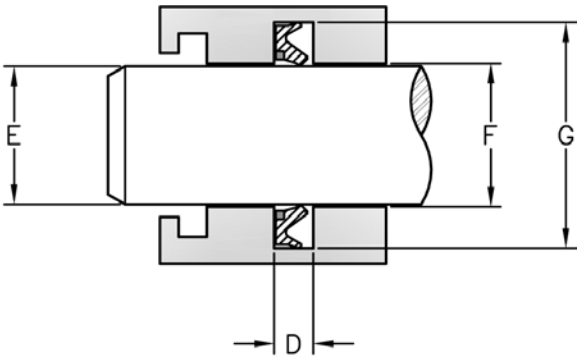


PART NUMBERS

MYR - 40 X 50.7 X 3.9

Type of Seal | Inside Diameter | Housing Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE BUFFER NYLON BACK-UP
TEMPERATURE RANGE	-30° TO +220° F
PRESSURE RANGE	0 TO 7,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MYR-40X50.7X3.9	40	50.7	3.9	4.20 +0.20 +0.00	40.00 -0.025 -0.064	40.00 +0.062 +0.000	50.70 +0.20 +0.00
MYR-40X55.1X5.9-ME	40	55	5.9	6.30 +0.20 +0.00	40.00 -0.025 -0.064	40.00 +0.062 +0.000	55.00 +0.074 +0.000
MYR-40X55.5X5.9	40	55.5	5.9	6.30 +0.20 +0.00	40.00 -0.025 -0.064	40.00 +0.062 +0.000	55.50 +0.20 +0.00
MYR-45X55.7X3.9	45	55.7	3.9	4.20 +0.20 +0.00	45.00 -0.025 -0.064	45.00 +0.062 +0.000	55.70 +0.20 +0.00
MYR-45X60.1X5.9-ME	45	60.1	5.9	6.30 +0.20 +0.00	45.00 -0.025 -0.064	45.00 +0.062 +0.000	60.10 +0.074 +0.000
MYR-45X60.5X5.9	45	60.5	5.9	6.30 +0.20 +0.00	45.00 -0.025 -0.064	45.00 +0.062 +0.000	60.50 +0.20 +0.00
MYR-50X62.9X3.6	50	62.9	3.6	3.60 +0.20 +0.00	50.00 -0.025 -0.064	50.00 +0.062 +0.000	62.90 +0.20 +0.00
MYR-50X65.1X5.9-ME	50	65.1	5.9	6.30 +0.20 +0.00	50.00 -0.025 -0.064	50.00 +0.062 +0.000	65.10 +0.074 +0.000
MYR-50X65.5X5.9	50	65.5	5.9	6.30 +0.20 +0.00	50.00 -0.025 -0.064	50.00 +0.062 +0.000	65.50 +0.20 +0.00
MYR-55X70.1X5.9-ME	55	70.1	5.9	6.30 +0.20 +0.00	55.00 -0.030 +0.924	55.00 +0.074 +0.000	70.10 +0.074 +0.000
MYR-55X70.5X5.9	55	70.5	5.9	6.30 +0.20 +0.00	55.00 -0.030 -0.076	55.00 +0.074 +0.000	70.50 +0.20 +0.00
MYR-56X71.1X5.9-ME	56	71.1	5.9	6.30 +0.20 +0.00	56.00 -0.030 -0.076	56.00 +0.074 +0.000	71.10 +0.074 +0.000
MYR-56X71.5X5.9	56	71.5	5.9	6.30 +0.20 +0.00	56.00 -0.030 -0.076	56.00 +0.074 +0.000	71.50 +0.20 +0.00
MYR-60X75.1X5.9-ME	60	75.1	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	60.00 +0.074 +0.000	75.10 +0.074 +0.000
MYR-60X75.5X5.9	60	75.5	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	60.00 +0.074 +0.000	75.50 +0.20 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

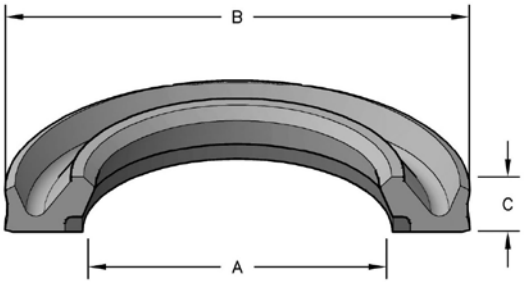
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MYR BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MYR-63X78.1X5.9	63	78.1	5.9	6.30 +0.20 +0.00	63.00 -0.030 -0.076	63.00 +0.074 +0.000	78.10 +0.074 +0.000
MYR-63X78.1X5.9-ME	63	78.1	5.9	6.30 +0.20 +0.00	63.00 -0.030 -0.076	63.00 +0.074 +0.000	78.10 +0.074 +0.000
MYR-63X78.5X5.9	63	78.5	5.9	6.30 +0.20 +0.00	63.00 -0.030 -0.076	63.00 +0.074 +0.000	78.50 +0.20 +0.00
MYR-65X80.5X5.9	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	65.00 +0.074 +0.000	80.50 +0.20 +0.00
MYR-70X85.1X5.9-ME	70	85.1	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	70.00 +0.074 +0.000	85.10 +0.087 +0.000
MYR-70X85.5X5.9	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	70.00 +0.074 +0.000	85.50 +0.20 +0.00
MYR-75X90.5X5.9	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	75.00 +0.074 +0.000	90.50 +0.20 +0.00
MYR-75X91.3X5.6	75	91.28	5.6	5.60 +0.20 +0.00	75.00 -0.030 -0.076	75.00 +0.074 +0.000	91.28 +0.20 +0.00
MYR-80X95.1X5.9-ME	80	95.1	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	80.00 +0.074 +0.000	95.10 +0.087 +0.000
MYR-80X95.5X5.9	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	80.00 +0.074 +0.000	95.50 +0.20 +0.00
MYR-80X96.3X5.6	80	96.28	5.6	5.60 +0.20 +0.00	80.00 -0.030 -0.076	80.00 +0.074 +0.000	96.28 +0.20 +0.00
MYR-85X100.5X5.9	85	100.5	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	85.00 +0.087 +0.000	100.50 +0.20 +0.00
MYR-90X105.5X5.9	90	105.5	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	90.00 +0.087 +0.000	105.50 +0.20 +0.00
MYR-95X110.5X5.9	95	110.5	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	95.00 +0.087 +0.000	110.50 +0.20 +0.00
MYR-100X115.5X5.9	100	115.5	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	100.00 +0.087 +0.000	115.50 +0.20 +0.00
MYR-105X120.5X5.9	105	120.5	5.9	6.30 +0.20 +0.00	105.00 -0.036 -0.090	105.00 +0.087 +0.000	120.50 +0.20 +0.00
MYR-110X125.5X5.9	110	125.5	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	110.00 +0.087 +0.000	125.50 +0.20 +0.00
MYR-115X130.5X5.9	115	130.5	5.9	6.30 +0.20 +0.00	115.00 -0.036 -0.090	115.00 +0.087 +0.000	130.50 +0.20 +0.00
MYR-120X135.5X5.9	120	135.5	5.9	6.30 +0.20 +0.00	120.00 -0.036 -0.090	120.00 +0.087 +0.000	135.50 +0.20 +0.00
MYR-125X140.5X5.9	125	140.5	5.9	6.30 +0.20 +0.00	125.00 -0.043 -0.106	125.00 +0.10 +0.00	140.50 +0.20 +0.00
MYR-130X145.5X5.9	130	145.5	5.9	6.30 +0.20 +0.00	130.00 -0.043 -0.106	130.00 +0.10 +0.00	145.50 +0.20 +0.00
MYR-140X155.5X5.9	140	155.5	5.9	6.30 +0.20 +0.00	140.00 -0.043 -0.106	140.00 +0.10 +0.00	155.50 +0.20 +0.00
MYR-150X165.5X5.9	150	165.5	5.9	6.30 +0.20 +0.00	150.00 -0.043 -0.106	150.00 +0.10 +0.00	165.50 +0.20 +0.00
MYR-155X170.5X5.9	155	170.5	5.9	6.30 +0.20 +0.00	155.00 -0.043 -0.106	155.00 +0.10 +0.00	170.50 +0.20 +0.00
MYR-160X175.5X5.9	160	175.5	5.9	6.30 +0.20 +0.00	160.00 -0.043 -0.106	160.00 +0.10 +0.00	175.50 +0.20 +0.00
MYR-165X180.5X5.9	165	180.5	5.9	6.30 +0.20 +0.00	165.00 -0.043 -0.106	165.00 +0.10 +0.00	180.50 +0.20 +0.00
MYR-170X185.5X5.9	170	185.5	5.9	6.30 +0.20 +0.00	170.00 -0.043 -0.106	170.00 +0.10 +0.00	185.50 +0.20 +0.00
MYR-180X195.5X5.9	180	195.5	5.9	6.30 +0.20 +0.00	180.00 -0.043 -0.106	180.00 +0.10 +0.00	195.50 +0.20 +0.00
MYR-190X205.5X5.9	190	205.5	5.9	6.30 +0.20 +0.00	190.00 -0.050 -0.122	190.00 +0.115 +0.000	205.50 +0.20 +0.00

STYLE MYR-HT BUFFER SEALS

Molded with a premium urethane and employing a back-up, this seal absorbs the shock of pressure spikes to protect the rod seal. The unique design also relieves back pressure between the buffer and the rod seal. The premium urethane demonstrates good heat resistance with almost no permanent deformation at high temperatures. In addition, the elastomeric properties can be quickly restored even in low temperatures to ensure stable sealing in cold applications.

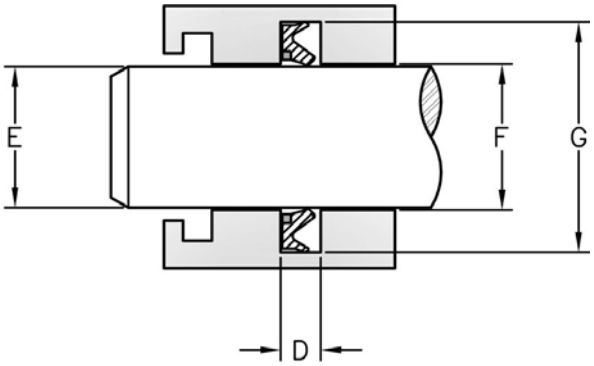


PART NUMBERS

MYR - 70 x 85.5 x 5.9 - BHT

Type of Seal	Rod Diameter	Groove Diameter	Height

SEAL INFORMATION	
MATERIAL	URETHANE BUFFER, NYLON BACK-UP
TEMPERATURE RANGE	-67°F TO 248°F
PRESSURE RANGE	0 TO 7250 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MYR-55X70.5X6-HT	55	70.5	6	6.30 +0.20 +0.00	55.00 -0.030 -0.076	55.00 +0.074 +0.000	70.50 +0.20 +0.00
MYR-65X80.5X5.9-HT	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	65.00 +0.074 +0.000	80.50 +0.20 +0.00
MYR-70X85.5X5.9-HT	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	70.00 +0.074 +0.000	85.50 +0.20 +0.00
MYR-75X90.5X5.9-HT	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	75.00 +0.074 +0.000	90.50 +0.20 +0.00
MYR-80X95.5X5.9-HT	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	80.00 +0.074 +0.000	95.50 +0.20 +0.00
MYR-85X100.5X6-HT	85	100.5	6	6.30 +0.20 +0.00	85.00 -0.036 -0.090	85.00 +0.087 +0.000	100.50 +0.20 +0.00
MYR-90X105.5X6-HT	90	105.5	6	6.30 +0.20 +0.00	90.00 -0.036 -0.090	90.00 +0.087 +0.000	105.50 +0.20 +0.00
MYR-95X110.5X6-HT	95	110.5	6	6.30 +0.20 +0.00	95.00 -0.036 -0.090	95.00 +0.087 +0.000	110.50 +0.20 +0.00
MYR-100X115.5X6-HT	100	115.5	6	6.30 +0.20 +0.00	100.00 -0.036 -0.090	100.00 +0.087 +0.000	115.50 +0.20 +0.00
MYR-110X125.5X6-HT	110	125.5	6	6.30 +0.20 +0.00	110.00 -0.036 -0.090	110.00 +0.087 +0.000	125.50 +0.20 +0.00
MYR-115X130.5X6-HT	115	130.5	6	6.30 +0.20 +0.00	115.00 -0.036 -0.090	115.00 +0.087 +0.000	130.50 +0.20 +0.00
MYR-120X135.5X6-HT	120	135.5	6	6.30 +0.20 +0.00	120.00 -0.036 -0.090	120.00 +0.087 +0.000	135.50 +0.20 +0.00
MYR-125X140.5X6-HT	125	140.5	6	6.30 +0.20 +0.00	125.00 -0.043 -0.106	125.00 +0.10 +0.00	140.50 +0.20 +0.00
MYR-130X145.5X6-HT	130	145.5	6	6.30 +0.20 +0.00	130.00 -0.043 -0.106	130.00 +0.10 +0.00	145.50 +0.20 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

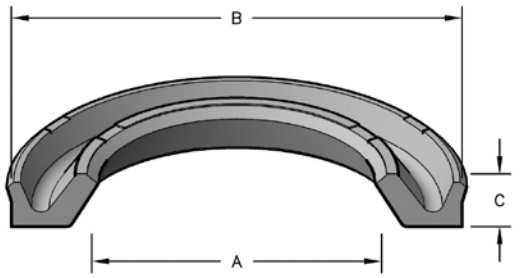
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MYR-HT BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MYR-140X155.5X6-HT	140	155.5	6	6.30 +0.20 +0.00	140.00 -0.043 -0.106	140.00 +0.10 +0.00	155.50 +0.20 +0.00
MYR-140X160X8-HT	140	160	8	8.30 +0.20 +0.00	140.00 -0.043 -0.106	140.00 +0.10 +0.00	160.00 +0.20 +0.00
MYR-145X160.5X6-HT	145	160.5	6	6.30 +0.20 +0.00	145.00 -0.043 -0.106	145.00 +0.10 +0.00	160.50 +0.20 +0.00
MYR-150X165.5X6-HT	150	165.5	6	6.30 +0.20 +0.00	150.00 -0.043 -0.106	150.00 +0.10 +0.00	165.50 +0.20 +0.00
MYR-160X175.5X6-HT	160	175.5	6	6.30 +0.20 +0.00	160.00 -0.043 -0.106	160.00 +0.10 +0.00	175.50 +0.20 +0.00
MYR-160X175.5X6B-HT	160	175.5	6	6.30 +0.20 +0.00	160.00 -0.043 -0.106	160.00 +0.10 +0.00	175.50 +0.20 +0.00
MYR-160X180X8-HT	160	180	8	8.30 +0.20 +0.00	160.00 -0.043 -0.106	160.00 +0.10 +0.00	180.00 +0.20 +0.00
MYR-200X220X8-HT	200	220	8	8.30 +0.20 +0.00	200.00 -0.050 -0.122	200.00 +0.115 +0.000	220.00 +0.20 +0.00

STYLE MYR-KYB BUFFER SEALS

Style MYR-KYB buffer seals are made to a Kayaba-equivalent design which is commonly used within Caterpillar, Deere/Hitachi, and Volvo cylinders.

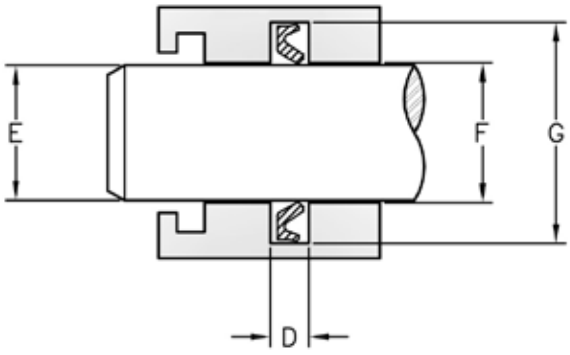


PART NUMBERS

MYR - 80 x 95.5 x 6 - KYB

Type of Seal | Rod Diameter | Groove Diameter | Height

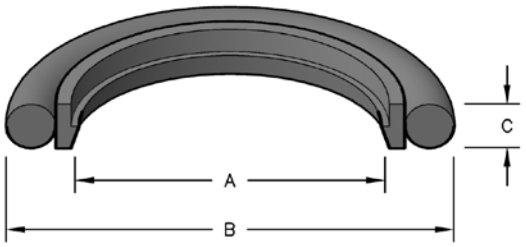
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-67°F TO 212°F
PRESSURE RANGE	0 TO 7,000 PSI
SPEED	3.3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MYR-80X95.5X6-KYB	80	95.5	6	6.40 +0.20 +0.00	80.00 -0.030 -0.076	80.00 +0.074 +0.000	95.50 +0.20 +0.00
MYR-85X100.5X6-KYB	85	100.5	6	6.40 +0.20 +0.00	85.00 -0.036 -0.090	85.00 +0.087 +0.000	100.50 +0.20 +0.00
MYR-90X105.5X6-KYB	90	105.5	6	6.40 +0.20 +0.00	90.00 -0.036 -0.090	90.00 +0.087 +0.000	105.50 +0.20 +0.00
MYR-95X110.5X6-KYB	95	110.5	6	6.40 +0.20 +0.00	95.00 -0.036 -0.090	95.00 +0.087 +0.000	110.50 +0.20 +0.00
MYR-100X115.5X6-KYB	100	115.5	6	6.40 +0.20 +0.00	100.00 -0.036 -0.090	100.00 +0.087 +0.000	115.50 +0.20 +0.00
MYR-105X120.5X6-KYB	105	120.5	6	6.40 +0.20 +0.00	105.00 -0.036 -0.090	105.00 +0.087 +0.000	120.50 +0.20 +0.00
MYR-110X125.5X6-KYB	110	125.5	6	6.40 +0.20 +0.00	110.00 -0.036 -0.090	110.00 +0.087 +0.000	125.50 +0.20 +0.00
MYR-115X130.5X6-KYB	115	130.5	6	6.40 +0.20 +0.00	115.00 -0.036 -0.090	115.00 +0.087 +0.000	130.50 +0.20 +0.00
MYR-120X135.5X6-KYB	120	135.5	6	6.40 +0.20 +0.00	120.00 -0.036 -0.090	120.00 +0.087 +0.000	135.50 +0.20 +0.00
MYR-130X145.5X6-KYB	130	145.5	6	6.40 +0.20 +0.00	130.00 -0.043 -0.106	130.00 +0.10 +0.00	145.50 +0.20 +0.00

STYLE MKR BUFFER SEALS

Molded in PTFE with a rubber energizer, this seal absorbs the shock of pressure spikes to protect the rod seal.

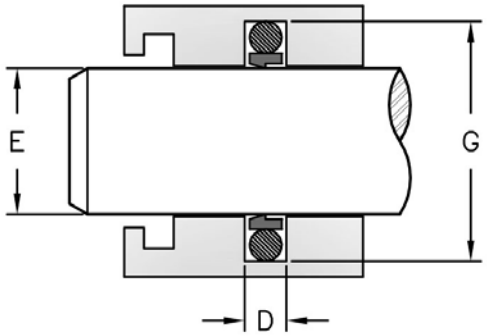


PART NUMBERS

MKR - 08 X 13 X 2

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	FILLED PTFE BUFFER 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-08X13X2	8	13	2	2.20 +0.20 +0.00	8.00 -0.013 -0.035	13.00 +0.20 +0.00
MKR-08X15.5X3	8	15.5	3	3.20 +0.20 +0.00	8.00 -0.013 -0.035	15.50 +0.20 +0.00
MKR-12X17X2	12	17	2	2.20 +0.20 +0.00	12.00 -0.016 -0.043	17.00 +0.20 +0.00
MKR-12X19.5X3	12	19.5	3	3.20 +0.20 +0.00	12.00 -0.016 -0.043	19.50 +0.20 +0.00
MKR-14X21.5X3	14	21.5	3	3.20 +0.20 +0.00	14.00 -0.016 -0.043	21.50 +0.20 +0.00
MKR-15X22.5X3	15	22.5	3	3.20 +0.20 +0.00	15.00 -0.016 -0.043	22.50 +0.20 +0.00
MKR-16X23.5X3	16	23.5	3	3.20 +0.20 +0.00	16.00 -0.016 -0.043	23.50 +0.20 +0.00
MKR-18X23X2	18	23	2	2.20 +0.20 +0.00	18.00 -0.016 -0.043	23.00 +0.20 +0.00
MKR-18X25.5X3	18	25.5	3	3.20 +0.20 +0.00	18.00 -0.016 -0.043	25.50 +0.20 +0.00
MKR-20X27.5X3	20	27.5	3	3.20 +0.20 +0.00	20.00 -0.020 -0.053	27.50 +0.20 +0.00
MKR-20X31X4	20	31	4	4.20 +0.20 +0.00	20.00 -0.020 -0.053	31.00 +0.20 +0.00
MKR-22X29.5X3	22	29.5	3	3.20 +0.20 +0.00	22.00 -0.020 -0.053	29.50 +0.20 +0.00
MKR-22X33X4	22	33	4	4.20 +0.20 +0.00	22.00 -0.020 -0.053	33.00 +0.20 +0.00
MKR-25X32.5X3	25	32.5	3	3.20 +0.20 +0.00	25.00 -0.020 -0.053	32.50 +0.20 +0.00
MKR-25X35.7X4	25	35.7	4	4.20 +0.20 +0.00	25.00 -0.020 -0.053	35.70 +0.20 +0.00
MKR-28X35.5X3	28	35.5	3	3.20 +0.20 +0.00	28.00 -0.020 -0.053	35.50 +0.20 +0.00
MKR-28X39X4	28	39	4	4.20 +0.20 +0.00	28.00 -0.020 -0.053	39.00 +0.20 +0.00

STYLE MKR BUFFER SEALS

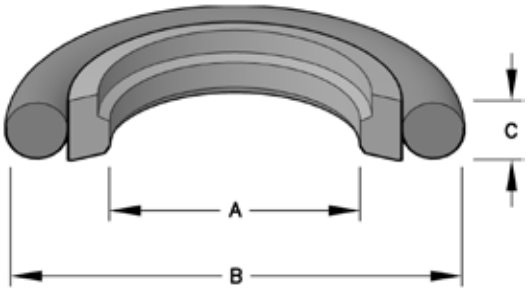
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-30X37.5X3	30	37.5	3	3.20 +0.20 +0.00	30.00 -0.020 -0.053	37.50 +0.20 +0.00
MKR-30X40.7X3.9	30	40.7	3.9	4.20 +0.20 +0.00	30.00 -0.020 -0.053	40.70 +0.20 +0.00
MKR-30X40.7X4U	30	40.7	4	4.20 +0.20 +0.00	30.00 -0.020 -0.053	40.70 +0.20 +0.00
MKR-32X39.5X3	32	39.5	3	3.20 +0.20 +0.00	32.00 -0.025 -0.064	39.50 +0.20 +0.00
MKR-32X43X4	32	43	4	4.20 +0.20 +0.00	32.00 -0.025 -0.064	43.00 +0.20 +0.00
MKR-35X42.5X3	35	42.5	3	3.20 +0.20 +0.00	35.00 -0.025 -0.064	42.50 +0.20 +0.00
MKR-35X46X4	35	46	4	4.20 +0.20 +0.00	35.00 -0.025 -0.064	46.00 +0.20 +0.00
MKR-36X43.5X3	36	43.5	3	3.20 +0.20 +0.00	36.00 -0.025 -0.064	43.50 +0.20 +0.00
MKR-36X47X4	36	47	4	4.20 +0.20 +0.00	36.00 -0.025 -0.064	47.00 +0.20 +0.00
MKR-40X51X4	40	51	4	4.20 +0.20 +0.00	40.00 -0.025 -0.064	51.00 +0.20 +0.00
MKR-40X52.6X4	40	52.6	4	4.20 +0.20 +0.00	40.00 -0.025 -0.064	52.60 +0.20 +0.00
MKR-40X55.5X5.9	40	55.5	5.9	6.30 +0.20 +0.00	40.00 -0.025 -0.064	55.50 +0.20 +0.00
MKR-45X56X4	45	56	4	4.20 +0.20 +0.00	45.00 -0.025 -0.064	56.00 +0.20 +0.00
MKR-45X57.6X4	45	57.6	4	4.20 +0.20 +0.00	45.00 -0.025 -0.064	57.60 +0.20 +0.00
MKR-45X60.5X5.9	45	60.5	5.9	6.30 +0.20 +0.00	45.00 -0.025 -0.064	60.50 +0.20 +0.00
MKR-50X60X4.5	50	60	4.5	4.80 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.20 +0.00
MKR-50X60.8X4.2	50	60.8	3.9	4.20 +0.20 +0.00	50.00 -0.025 -0.064	60.80 +0.20 +0.00
MKR-50X61X4	50	61	4	4.20 +0.20 +0.00	50.00 -0.025 -0.064	61.00 +0.20 +0.00
MKR-50X62.6X4	50	62.6	4	4.20 +0.20 +0.00	50.00 -0.025 -0.064	62.60 +0.20 +0.00
MKR-50X65.5X5.9	50	65.5	5.9	6.30 +0.20 +0.00	50.00 -0.025 -0.064	65.50 +0.20 +0.00
MKR-55X70.5X5.9	55	70.5	5.9	6.30 +0.20 +0.00	55.00 -0.030 -0.076	70.50 +0.20 +0.00
MKR-56X68.6X4	56	68.6	4	4.20 +0.20 +0.00	56.00 -0.030 -0.076	68.60 +0.20 +0.00
MKR-56X71.5X5.9	56	71.5	5.9	6.30 +0.20 +0.00	56.00 -0.030 -0.076	71.50 +0.20 +0.00
MKR-60X71X4	60	71	4	4.20 +0.20 +0.00	60.00 -0.030 -0.076	71.00 +0.20 +0.00
MKR-60X75.5X5.9	60	75.5	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	75.50 +0.20 +0.00
MKR-63X75.6X3.9	63	75.6	3.9	4.20 +0.20 +0.00	63.00 -0.030 -0.076	75.60 +0.20 +0.00
MKR-63X78.5X5.9	63	78.5	5.9	6.30 +0.20 +0.00	63.00 -0.030 -0.076	78.50 +0.20 +0.00
MKR-65X80.5X5.9	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	80.50 +0.20 +0.00
MKR-70X81X4	70	81	4	4.20 +0.20 +0.00	70.00 -0.030 -0.076	81.00 +0.20 +0.00
MKR-70X85.5X5.9	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	85.50 +0.20 +0.00
MKR-70X86.28X5.23	70	86.28	5.23	5.59 +0.20 +0.00	70.00 -0.030 -0.076	86.28 +0.20 +0.00
MKR-75X90.5X5.9	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	90.50 +0.20 +0.00
MKR-80X95.5X5.9	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	95.50 +0.20 +0.00

STYLE MKR BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-85X100.5X5.9	85	100.5	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	100.50 +0.20 +0.00
MKR-90X105.5X5.9	90	105.5	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	105.50 +0.20 +0.00
MKR-95X110.5X5.9	95	110.5	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	110.50 +0.20 +0.00
MKR-100X115.5X5.9	100	115.5	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	115.50 +0.20 +0.00
MKR-105X120.5X5.9	105	120.5	5.9	6.30 +0.20 +0.00	105.00 -0.036 -0.090	120.50 +0.20 +0.00
MKR-110X125.5X5.9	110	125.5	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	125.50 +0.20 +0.00
MKR-115X130.5X5.9	115	130.5	5.9	6.30 +0.20 +0.00	115.00 -0.036 -0.090	130.50 +0.20 +0.00
MKR-120X135.5X5.9	120	135.5	5.9	6.30 +0.20 +0.00	120.00 -0.036 -0.090	135.50 +0.20 +0.00
MKR-125X140.5X5.9	125	140.5	5.9	6.30 +0.20 +0.00	125.00 -0.043 -0.106	140.50 +0.20 +0.00
MKR-130X145.5X5.9	130	145.5	5.9	6.30 +0.20 +0.00	130.00 -0.043 -0.106	145.50 +0.20 +0.00
MKR-140X155.5X5.9	140	155.5	5.9	6.30 +0.20 +0.00	140.00 -0.043 -0.106	155.50 +0.20 +0.00
MKR-150X165.5X5.9	150	165.5	5.9	6.30 +0.20 +0.00	150.00 -0.043 -0.106	165.50 +0.20 +0.00
MKR-160X175.5X5.9	160	175.5	5.9	6.30 +0.20 +0.00	160.00 -0.043 -0.106	175.50 +0.20 +0.00
MKR-160X180.5X8.1	160	180.5	7.9	8.10 +0.20 +0.00	160.00 -0.043 -0.106	180.50 +0.20 +0.00
MKR-170X185.5X5.9	170	185.5	5.9	6.30 +0.20 +0.00	170.00 -0.043 -0.106	185.50 +0.20 +0.00
MKR-170X190.5X8.1	170	190.5	7.9	8.10 +0.20 +0.00	170.00 -0.043 -0.106	190.50 +0.20 +0.00

STYLE MKR-U BUFFER SEALS

Style MKR-U seals are molded from Zurcon® Z52 urethane. This seal is designed to allow for back-pumping capabilities while improving wear resistance and decreasing friction. This seal can be used as a secondary seal or in tandem with a PTFE buffer seal.

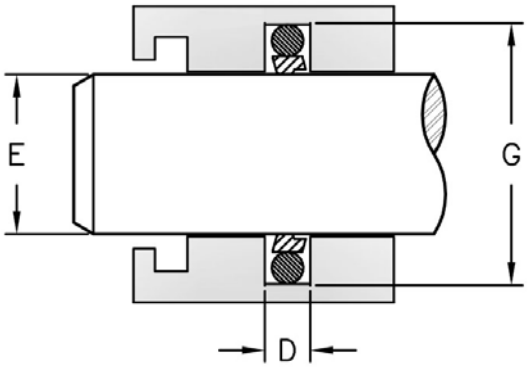


PART NUMBERS

MKR - 40 X 55.1 X 6U

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	58D URETHANE BUFFER 70A NBR ENERGIZER
TEMPERATURE RANGE	-49° TO +212° F
PRESSURE RANGE	0 TO 3,600 (SINGLE)PSI 0 TO 8,700 (TANDEM) PSI
SPEED	1.6 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-25X32.3X3U	25	32.3	3	3.20 +0.20 +0.00	25.00 -0.020 -0.053	32.30 +0.062 +0.000
MKR-25X35.7X4U	25	35.7	4	4.20 +0.20 +0.00	25.00 -0.020 -0.053	35.70 +0.062 +0.000
MKR-30X37.3X3U	30	37.3	3	3.20 +0.20 +0.00	30.00 -0.020 -0.053	37.30 +0.062 +0.000
MKR-32X42.7X4U	32	42.7	4	4.20 +0.20 +0.00	32.00 -0.025 -0.064	42.70 +0.062 +0.000
MKR-36X46.7X4U	36	46.7	4	4.20 +0.20 +0.00	36.00 -0.025 -0.064	46.70 +0.062 +0.000
MKR-40X50.7X4U	40	50.7	4	4.20 +0.20 +0.00	40.00 -0.025 -0.064	50.70 +0.074 +0.000
MKR-40X55.1X6U	40	55.1	6	6.30 +0.20 +0.00	40.00 -0.025 -0.064	55.10 +0.074 +0.000
MKR-45X60.1X6U	45	60.1	6	6.30 +0.20 +0.00	45.00 -0.025 -0.064	60.10 +0.074 +0.000
MKR-50X65.1X6U	50	65.1	6	6.30 +0.20 +0.00	50.00 -0.025 -0.064	65.10 +0.074 +0.000
MKR-55X70.1X6U	55	70.1	6	6.30 +0.20 +0.00	55.00 -0.030 -0.076	70.10 +0.074 +0.000
MKR-56X71.1X6U	56	71.1	6	6.30 +0.20 +0.00	56.00 -0.030 -0.076	71.10 +0.074 +0.000
MKR-60X75.1X6U	60	75.1	6	6.30 +0.20 +0.00	60.00 -0.030 -0.076	75.10 +0.074 +0.000
MKR-63X78.1X6U	63	78.1	6	6.30 +0.20 +0.00	63.00 -0.030 -0.076	78.10 +0.074 +0.000
MKR-70X85.1X6U	70	85.1	6	6.30 +0.20 +0.00	70.00 -0.030 -0.076	85.10 +0.087 +0.000
MKR-80X95.1X6U	80	95.1	6	6.30 +0.20 +0.00	80.00 -0.030 -0.076	95.10 +0.087 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

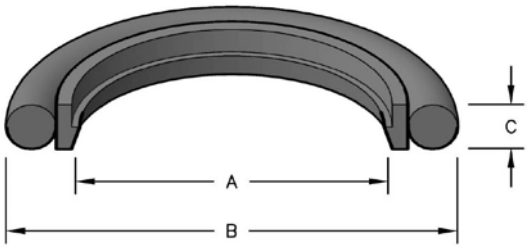
STYLE MKR-U BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-90X105.1X6U	90	105.1	6	6.30 +0.20 +0.00	90.00 -0.036 -0.090	105.10 +0.087 +0.000
MKR-100X115.1X6U	100	115.1	6	6.30 +0.20 +0.00	100.00 -0.036 -0.090	115.10 +0.087 +0.000
MKR-105X120.1X6U	105	120.1	6	6.30 +0.20 +0.00	105.00 -0.036 -0.090	120.10 +0.10 +0.00
MKR-110X125.1X6U	110	125.1	6	6.30 +0.20 +0.00	110.00 -0.036 -0.090	125.10 +0.10 +0.00
MKR-120X135.1X6U	120	135.1	6	6.30 +0.20 +0.00	120.00 -0.036 -0.090	135.10 +0.10 +0.00
MKR-125X140.1X6U	125	140.1	6	6.30 +0.20 +0.00	125.00 -0.043 -0.106	140.10 +0.10 +0.00
MKR-130X145.1X6U	130	145.1	6	6.30 +0.20 +0.00	130.00 -0.043 -0.106	145.10 +0.10 +0.00
MKR-140X155.1X6U	140	155.1	6	6.30 +0.20 +0.00	140.00 -0.043 -0.106	155.10 +0.10 +0.00
MKR-150X165.1X6U	150	165.1	6	6.30 +0.20 +0.00	150.00 -0.043 -0.106	165.10 +0.10 +0.00
MKR-160X175.1X6U	160	175.1	6	6.30 +0.20 +0.00	160.00 -0.043 -0.106	175.10 +0.10 +0.00
MKR-180X195.1X6U	180	195.1	6	6.30 +0.20 +0.00	180.00 -0.043 -0.106	195.10 +0.115 +0.000

Seal color may vary.

STYLE MKR-V BUFFER SEALS

Molded in bronze-filled PTFE with an FKM energizer, this seal is used to protect the primary seal from damage caused by pressure spikes and excessive heat build up.

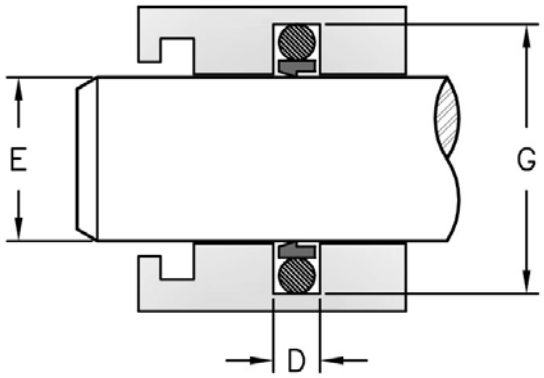


PART NUMBERS

MKR - 25 X 33 X 3

Style Prefix | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	BRONZE PTFE BUFFER, FKM ENERGIZER
TEMPERATURE RANGE	-20 +400° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



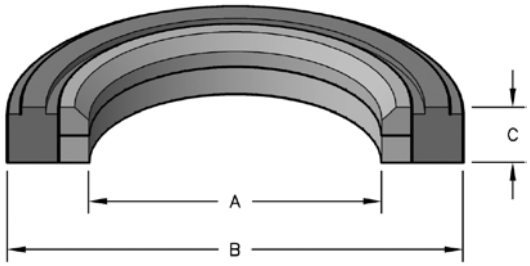
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-25X33X3.0V	25	33	3	3.20 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.20 +0.00
MKR-25X35.7X4V	25	35.7	4	4.20 +0.20 +0.00	25.00 -0.020 -0.053	35.70 +0.20 +0.00
MKR-30X40.7X3.9V	30	40.7	3.9	4.20 +0.20 +0.00	30.00 -0.020 -0.053	40.70 +0.20 +0.00
MKR-35X42.5X3V	35	42.5	3	3.20 +0.20 +0.00	35.00 -0.025 -0.064	42.50 +0.20 +0.00
MKR-40X52.6X4V	40	52.6	4	4.20 +0.20 +0.00	40.00 -0.025 -0.064	52.60 +0.20 +0.00
MKR-40X55.5X5.9V	40	55.5	5.9	6.30 +0.20 +0.00	40.00 -0.025 -0.064	55.50 +0.20 +0.00
MKR-45X57.6X4V	45	57.6	4	4.20 +0.20 +0.00	45.00 -0.025 -0.064	57.60 +0.20 +0.00
MKR-50X60X4.5V	50	60	4.5	4.80 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.20 +0.00
MKR-50X62.6X4V	50	62.6	4	4.20 +0.20 +0.00	50.00 -0.025 -0.064	62.60 +0.20 +0.00
MKR-50X65.1X5.9-B5V	50	65.1	5.9	6.30 +0.20 +0.00	50.00 -0.025 -0.064	65.10 +0.20 +0.00
MKR-50X65.5X5.9V	50	65.5	5.9	6.30 +0.20 +0.00	50.00 -0.025 -0.064	65.50 +0.20 +0.00
MKR-56X68.6X4V	56	68.6	4	4.20 +0.20 +0.00	56.00 -0.030 -0.076	68.60 +0.20 +0.00
MKR-60X75.5X5.9V	60	75.5	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	75.50 +0.20 +0.00
MKR-63X75.6X3.9V	63	75.6	3.9	4.20 +0.20 +0.00	63.00 -0.030 -0.076	75.60 +0.20 +0.00
MKR-63X78.1X5.9-B5V	63	78.1	5.9	6.30 +0.20 +0.00	63.00 -0.030 -0.076	78.10 +0.20 +0.00

STYLE MKR-V BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MKR-65X80.5X5.9V	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	80.50 +0.20 +0.00
MKR-70X81X4V	70	81	4	4.20 +0.20 +0.00	70.00 -0.030 -0.076	81.00 +0.20 +0.00
MKR-70X85.5X5.9V	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	85.50 +0.20 +0.00
MKR-75X90.5X5.9V	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	90.50 +0.20 +0.00
MKR-80X95.5X5.9V	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	95.50 +0.20 +0.00
MKR-85X100.5X5.9V	85	100.5	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	100.50 +0.20 +0.00
MKR-90X105.5X5.9V	90	105.5	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	105.50 +0.20 +0.00
MKR-95X110.5X5.9V	95	110.5	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	110.50 +0.20 +0.00
MKR-100X115.5X5.9V	100	115.5	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	115.50 +0.20 +0.00
MKR-105X120.5X5.9V	105	120.5	5.9	6.30 +0.20 +0.00	105.00 -0.036 -0.090	120.50 +0.20 +0.00
MKR-110X125.5X5.9V	110	125.5	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	125.50 +0.20 +0.00
MKR-115X130.5X5.9V	115	130.5	5.9	6.30 +0.20 +0.00	115.00 -0.036 -0.090	130.50 +0.20 +0.00
MKR-120X135.5X5.9V	120	135.5	5.9	6.30 +0.20 +0.00	120.00 -0.036 -0.090	135.50 +0.20 +0.00
MKR-130X145.5X5.9V	130	145.5	5.9	6.30 +0.20 +0.00	130.00 -0.043 -0.106	145.50 +0.20 +0.00
MKR-140X155.5X5.9V	140	155.5	5.9	6.30 +0.20 +0.00	140.00 -0.043 -0.106	155.50 +0.20 +0.00
MKR-150X165.5X5.9V	150	165.5	5.9	6.30 +0.20 +0.00	150.00 -0.043 -0.106	165.50 +0.20 +0.00
MKR-160X175.5X5.9V	160	175.5	5.9	6.30 +0.20 +0.00	160.00 -0.043 -0.106	175.50 +0.20 +0.00
MKR-170X185.5X5.9V	170	185.5	5.9	6.30 +0.20 +0.00	170.00 -0.043 -0.106	185.50 +0.20 +0.00

STYLE MNBR BUFFER SEALS

Molded in PTFE with a rubber energizer and nylon anti-extrusion ring, this seal absorbs the shock of pressure spikes to protect the rod seal.

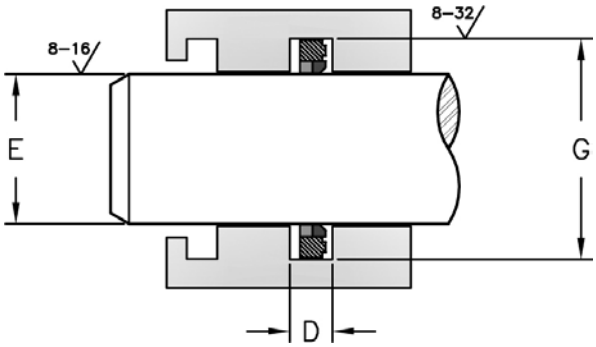


PART NUMBERS

MNBR - 55 X 70.5 X 5.9

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	PTFE BUFFER 70A NBR ENERGIZER NYLON BACK-UP
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MNBR-55X70.5X5.9	55	70.5	5.9	6.30 +0.20 +0.00	55.00 -0.030 -0.076	70.50 +0.074 +0.000
MNBR-60X75.5X5.9	60	75.5	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	75.50 +0.074 +0.000
MNBR-65X80.5X5.9	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	80.50 +0.087 +0.000
MNBR-70X85.5X5.9	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	85.50 +0.087 +0.000
MNBR-75X90.5X5.9	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	90.50 +0.087 +0.000
MNBR-80X95.5X5.9	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	95.50 +0.087 +0.000
MNBR-85X100.5X5.9	85	100.5	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	100.50 +0.087 +0.000
MNBR-90X105.5X5.9	90	105.5	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	105.50 +0.087 +0.000
MNBR-95X110.5X5.9	95	110.5	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	110.50 +0.087 +0.000
MNBR-100X115.5X5.9	100	115.5	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	115.50 +0.087 +0.000
MNBR-105X120.5X5.9	105	120.5	5.9	6.30 +0.20 +0.00	105.00 -0.036 -0.090	120.50 +0.10 +0.00
MNBR-110X125.5X5.9	110	125.5	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	125.50 +0.10 +0.00
MNBR-115X130.5X5.9	115	130.5	5.9	6.30 +0.20 +0.00	115.00 -0.036 -0.090	130.50 +0.10 +0.00
MNBR-120X135.5X5.9	120	135.5	5.9	6.30 +0.20 +0.00	120.00 -0.036 -0.090	135.50 +0.10 +0.00
MNBR-125X140.5X5.9	125	140.5	5.9	6.30 +0.20 +0.00	125.00 -0.043 -0.106	140.50 +0.10 +0.00

Seal color may vary.

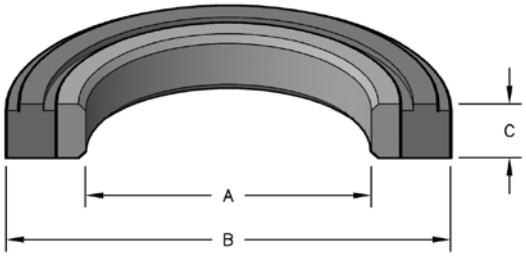
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSBR BUFFER SEALS

Molded in nylon with a rubber energizer, this seal absorbs the shock of pressure spikes and relieves back pressure by way of slots on the pressure side of the energizer.

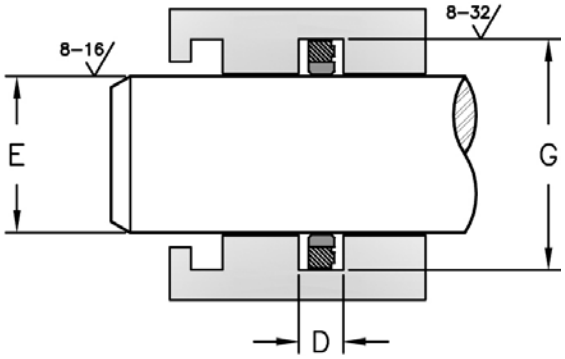


PART NUMBERS

MSBR - 70 X 80 X 6.3

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NYLON BUFFER 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

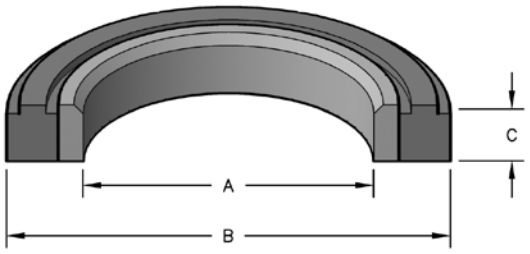


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSBR-70X80X6.3	70	80	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	80.00 +0.074 +0.000
MSBR-75X85X6.3	75	85	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	85.00 +0.087 +0.000
MSBR-80X90X6.3	80	90	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	90.00 +0.087 +0.000
MSBR-85X95X6.3	85	95	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	95.00 +0.087 +0.000
MSBR-90X100X6.3	90	100	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	100.00 +0.087 +0.000
MSBR-95X105X6.3	95	105	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	105.00 +0.087 +0.000
MSBR-100X110X6.3	100	110	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	110.00 +0.087 +0.000
MSBR-110X120X6.3	110	120	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	120.00 +0.087 +0.000

Seal color may vary.

STYLE MYBR BUFFER SEALS

Molded in PTFE with a rubber energizer, this seal absorbs the shock of pressure spikes to protect the rod seal. This style relieves back pressure by way of slots on the pressure side of the energizer.

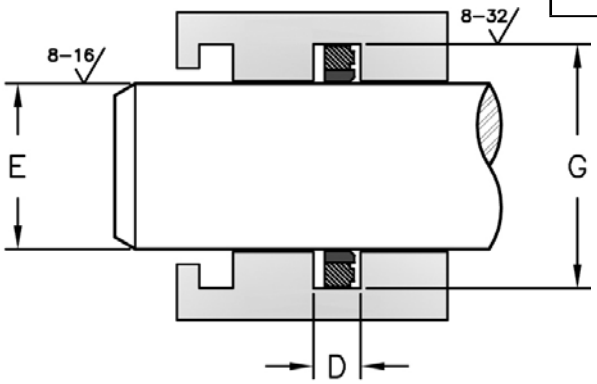


PART NUMBERS

MYBR - 40 X 55.5 X 5.9

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	FILLED PTFE BUFFER 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MYBR-40X55.5X5.9	40	55.5	5.9	6.30 +0.20 +0.00	40.00 -0.025 -0.064	55.50 +0.074 +0.000
MYBR-45X60.5X5.9	45	60.5	5.9	6.30 +0.20 +0.00	45.00 -0.025 -0.064	60.50 +0.074 +0.000
MYBR-55X70.5X5.9	55	70.5	5.9	6.30 +0.20 +0.00	55.00 -0.030 -0.076	70.50 +0.074 +0.000
MYBR-60X75.5X5.9	60	75.5	5.9	6.30 +0.20 +0.00	60.00 -0.030 -0.076	75.50 +0.074 +0.000
MYBR-65X80.5X5.9	65	80.5	5.9	6.30 +0.20 +0.00	65.00 -0.030 -0.076	80.50 +0.087 +0.000
MYBR-70X85.5X5.9	70	85.5	5.9	6.30 +0.20 +0.00	70.00 -0.030 -0.076	85.50 +0.087 +0.000
MYBR-75X90.5X5.9	75	90.5	5.9	6.30 +0.20 +0.00	75.00 -0.030 -0.076	90.50 +0.087 +0.000
MYBR-80X95.5X5.9	80	95.5	5.9	6.30 +0.20 +0.00	80.00 -0.030 -0.076	95.50 +0.087 +0.000
MYBR-85X100.5X5.9	85	100.5	5.9	6.30 +0.20 +0.00	85.00 -0.036 -0.090	100.50 +0.087 +0.000
MYBR-90X105.5X5.9	90	105.5	5.9	6.30 +0.20 +0.00	90.00 -0.036 -0.090	105.50 +0.087 +0.000
MYBR-95X110.5X5.9	95	110.5	5.9	6.30 +0.20 +0.00	95.00 -0.036 -0.090	110.50 +0.087 +0.000
MYBR-100X115.5X5.9	100	115.5	5.9	6.30 +0.20 +0.00	100.00 -0.036 -0.090	115.50 +0.087 +0.000
MYBR-105X120.5X5.9	105	120.5	5.9	6.30 +0.20 +0.00	105.00 -0.036 -0.090	120.50 +0.10 +0.00
MYBR-110X125.5X5.9	110	125.5	5.9	6.30 +0.20 +0.00	110.00 -0.036 -0.090	125.50 +0.10 +0.00
MYBR-115X130.5X5.9	115	130.5	5.9	6.30 +0.20 +0.00	115.00 -0.036 -0.090	130.50 +0.10 +0.00

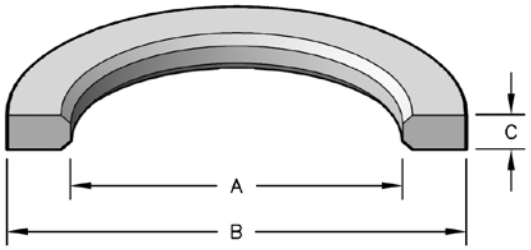
STYLE MYBR BUFFER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MYBR-120X135.5X5.9	120	135.5	5.9	6.30 +0.20 +0.00	120.00 -0.036 -0.090	135.50 +0.10 +0.00
MYBR-125X140.5X5.9	125	140.5	5.9	6.30 +0.20 +0.00	125.00 -0.043 -0.106	140.50 +0.10 +0.00
MYBR-130X145.5X5.9	130	145.5	5.9	6.30 +0.20 +0.00	130.00 -0.043 -0.106	145.50 +0.10 +0.00
MYBR-140X155.5X5.9	140	155.5	5.9	6.30 +0.20 +0.00	140.00 -0.043 -0.106	155.50 +0.10 +0.00
MYBR-150X165.5X5.9	150	165.5	5.9	6.30 +0.20 +0.00	150.00 -0.043 -0.106	165.50 +0.10 +0.00
MYBR-160X175.5X5.9*	160	175.5	5.9	6.30 +0.20 +0.00	160.00 -0.043 -0.106	175.50 +0.10 +0.00
MYBR-180X200.5X7.5	180	200.5	7.5	8.10 +0.20 +0.00	180.00 -0.043 -0.106	200.50 +0.115 +0.000

* Closeout item. This item will no longer be available once stock has been depleted.

STYLE MIR BUFFER SEALS

Molded in polyurethane, this buffer seal is a simple flat, washer-like profile.



PART NUMBERS

MIR - 25 X 33.6 X 2.3

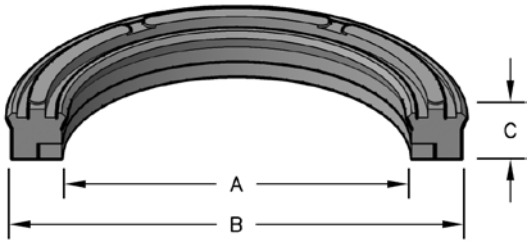
Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MIR-25X33.6X2.3	25	33.6	2.3
MIR-30X41X2.9	30	41	2.9
MIR-35X46X2.9	35	46	2.9
MIR-35X48X3	35	48	3
MIR-40X48X3	40	48	3
MIR-50X55.5X3.4-G2	50	55.5	3.4
MIR-50X58X2.9	50	58	2.9
MIR-50X62X3	50	62	3
MIR-50X62.6X4	50	62.6	4
MIR-56X68.6X4	56	68.6	4
MIR-56X70X3	56	70	3
MIR-56X73X4.8	56	73	4.8
MIR-60X72X3.4	60	72	3.4
MIR-63X80X4.7	63	80	4.7
MIR-65X77X3.2	65	77	3.2
MIR-65X78X4	65	78	4
MIR-70X83X4	70	83	4
MIR-70X83.5X3	70	83.5	3
MIR-70X84X3	70	84	3
MIR-75X88X4	75	88	4
MIR-80X93X4	80	93	4
MIR-90X104X4	90	104	4
MIR-100X113X4	100	113	4

STYLE MBRW BUFFER SEALS

This compact rod seal is primarily used as a buffer seal and is often found in construction machinery cylinders. It was developed for use under extreme pressure and where pressure spikes up to 14000 psi are not uncommon.

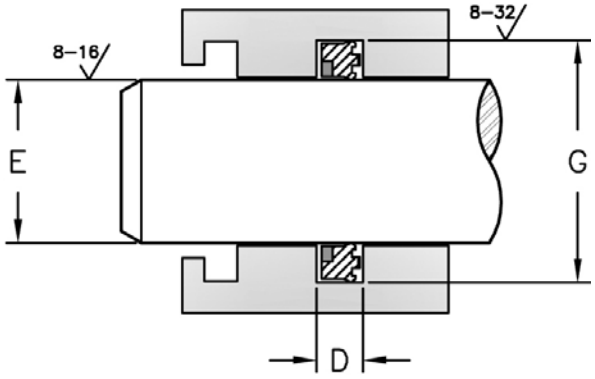


PART NUMBERS

MBRW - 60 X 75 X 8.5

Type of Seal — Inside Diameter — Outside Diameter — Height

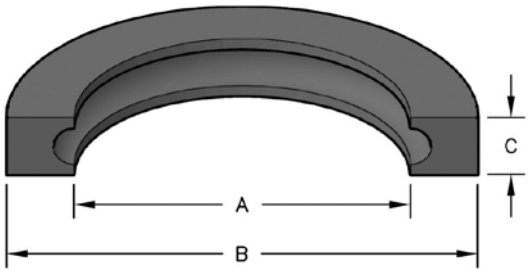
SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-30 +230° F
PRESSURE RANGE	0 TO 7200 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MBRW-60X75X8.5	60	75	8.5	9.50 +0.20 +0.00	60.00 -0.03 -0.06	75.00 +0.19 +0.00
MBRW-70X85X8.5	70	85	8.5	9.50 +0.20 +0.00	70.00 -0.03 -0.06	85.00 +0.22 +0.00
MBRW-80X95X8.5	80	95	8.5	9.50 +0.20 +0.00	80.00 -0.03 -0.06	95.00 +0.22 +0.00
MBRW-90X105X8.5	90	105	8.5	9.50 +0.20 +0.00	90.00 -0.036 -0.071	105.00 +0.22 +0.00
MBRW-100X120X11.4	100	120	11.4	12.50 +0.20 +0.00	100.00 -0.036 -0.071	120.00 +0.22 +0.00
MBRW-110X130X11.4	110	130	11.4	12.50 +0.20 +0.00	110.00 -0.036 -0.071	130.00 +0.25 +0.00
MBRW-120X140X11.4	120	140	11.4	12.50 +0.20 +0.00	120.00 -0.036 -0.071	140.00 +0.25 +0.00
MBRW-130X150X14.5	130	150	14.5	16.00 +0.20 +0.00	130.00 -0.043 -0.083	150.00 +0.25 +0.00
MBRW-140X160X14.5	140	160	14.5	16.00 +0.20 +0.00	140.00 -0.043 -0.083	160.00 +0.25 +0.00
MBRW-160X180X14.5	160	180	14.5	16.00 +0.20 +0.00	160.00 -0.043 -0.083	180.00 +0.25 +0.00
MBRW-180X205X14.5	180	205	14.5	16.00 +0.20 +0.00	180.00 -0.043 -0.083	205.00 +0.29 +0.00
MBRW-200X225X14.5	200	225	14.5	16.00 +0.20 +0.00	200.00 -0.050 -0.096	225.00 +0.29 +0.00

STYLE MUSW SWIVEL SEALS

Molded in polyurethane, these rotary pressure seals are specifically designed for use in hydraulic swivel joints.



PART NUMBERS

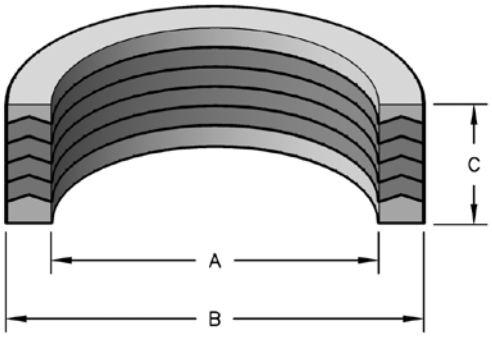
MUSW - 70 X 80 X 5

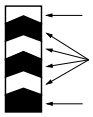
Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-50° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MUSW-70X80X5	70	80	5
MUSW-80X90X4.8	80	90	4.8
MUSW-90X100X4.8	90	100	4.8
MUSW-95X105X4.8	95	105	4.8
MUSW-100X110X4.8	100	110	4.8
MUSW-110X120X5	110	120	5
MUSW-115X125X5	115	125	5
MUSW-120X130X5	120	130	5

STYLE MVS VEE PACKING





PART NUMBERS

MVS - 10 X 20 X 11

Type of Seal | Inside Diameter | Outside Diameter | Height

Construction Code
Example: 1-5-1

1 - 1 **T**op Adaptor
5 - 5 **V**ee Rings
1 - 1 **B**ottom Adaptor

SEAL INFORMATION	
MATERIAL	FABRIC / RUBBER VEE RINGS FABRIC / RUBBER OR ACETAL ADAPTORS
TEMPERATURE RANGE	-35° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

Suffix: EI = Top adapter has an internal anti-extrusion ring.
DR = Dry-rod application. Pre-loaded male adapter.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
MVS-10X20X11	10	20	11	1-3-1
MVS-20X30X13.5	20	30	13.5	1-3-1
MVS-20X30X18.5	20	30	17.5	1-5-1
MVS-20X31.5X17.5	20	31.5	17.5	1-3-1
MVS-20X32X20	20	32	20	1-2-1
MVS-20X32X22.5	20	32	22.5	1-5-1
MVS-25X37X22.5	25	37	22.5	1-5-1
MVS-25X40X11	25	40	11	1-1-1
MVS-28X40X22.5	28	40	22.5	1-5-1
MVS-30X42X22.5	30	42	22.5	1-5-1
MVS-30X45X22.5	30	45	22.5	1-3-1
MVS-32X44X22.5	32	44	22.5	1-5-1
MVS-35X45X17.5	35	45	17.5	1-3-1
MVS-35X47X22.5	35	47	22.5	1-5-1
MVS-35X50X11	35	50	11	1-1-1
MVS-35X50X22.5	35	50	22.5	1-3-1
MVS-36X48X22.5	36	48	22.5	1-5-1
MVS-36X51X22.5	36	51	22.5	1-5-1
MVS-36X51X25	36	51	25	1-5-1
MVS-40X50X16	40	50	16	1-3-1
MVS-40X50X17.3	40	50	17.3	1-3-1
MVS-40X50X20	40	50	20.5	1-5-1
MVS-40X52X22.5	40	52	22.5	1-5-1
MVS-40X55X22.6	40	55	22.6	1-3-1
MVS-40X55X24	40	55	23	1-5-1
MVS-40X56X17.6	40	56	17.6	1-3-1
MVS-42X54X22.5	42	54	22.5	1-5-1
MVS-45X55X16	45	55	16	1-3-1
MVS-45X60X11	45	60	11	1-1-1
MVS-45X60X22.5	45	60	22.5	1-5-1
MVS-45X60X22.5V	45	60	22.5	1-5-1
MVS-45X60X25	45	60	25	1-4-1
MVS-45X65X28	45	65	28	1-3-1
MVS-48X63X12.5	48	63	12.5	1-1-1
MVS-48X63X12.5V	48	63	12.5	1-1-1
MVS-50X65X16	50	65	16	0-3-1
MVS-50X65X22.5	50	65	22.5	1-3-1
MVS-50X65X22.5V	50	65	22.5	1-5-1

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
MVS-50X65X24.6	50	65	24.6	1-3-1
MVS-50X70X30	50	70	30	1-3-1
MVS-50X70X35	50	70	35	1-3-1
MVS-55X70X22.5	55	70	22.5	1-3-1
MVS-55X70X26.5	55	70	25.5	1-3-1
MVS-55X75X26	55	75	26	1-3-1
MVS-56X71X16	56	71	16	0-3-1
MVS-56X71X22.5	56	71	22.5	1-3-1
MVS-56X71X22.5V	56	71	22.5	1-5-1
MVS-56X76X33	56	76	33	1-3-1
MVS-60X75X22.5	60	75	22.5	1-5-1
MVS-60X80X14.6	60	80	14.6	1-1-1
MVS-60X80X37	60	80	37	1-5-1
MVS-63X78X16	63	78	16	0-3-1
MVS-63X78X22.5	63	78	22.5	1-5-1
MVS-63X83X30DR	63	83	27	1-2-1
MVS-65X80X22.5	65	80	22.5	1-3-1
MVS-70X85X22.5	70	85	22.5	1-5-1
MVS-70X85X22.5V	70	85	22.5	1-5-1
MVS-70X85X25	70	85	25	1-5-1
MVS-70X90X30	70	90	30	1-3-1
MVS-70X90X35	70	90	35	1-4-1
MVS-70X90X40	70	90	40	1-5-1
MVS-75X90X22.5	75	90	22.5	1-5-1
MVS-75X95X40	75	95	40	1-5-1
MVS-80X95X22.5	80	95	22.5	1-3-1
MVS-80X100X20.5	80	100	20.5	1-1-1
MVS-80X100X20.6V	80	100	20.6	1-1-1
MVS-80X100X40	80	100	40	1-5-1
MVS-85X100X25	85	100	25	1-3-1
MVS-85X105X40	85	105	40	1-5-1
MVS-90X105X22.5	90	105	22.5	1-3-1
MVS-90X105X22.5V	90	105	22.5	1-5-1
MVS-90X110X30	90	110	30	1-2-1
MVS-90X110X40	90	110	40	1-5-1
MVS-95X120X33	95	120	33	1-3-1
MVS-100X115X30	100	115	30	1-3-1
MVS-100X120X30DR	100	120	28	1-3-1

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

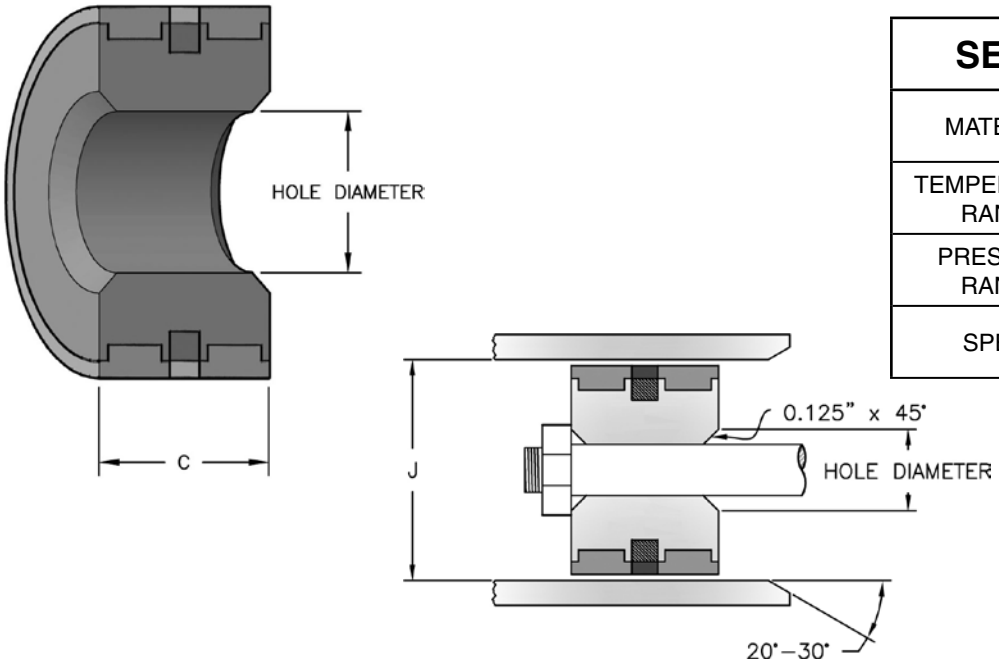
STYLE MVS VEE PACKING

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	CONSTRUCTION T-V-B
MVS-100X120X40	100	120	39	1-5-1
MVS-100X125X25V	100	125	25	1-1-1
MVS-100X125X25.8	100	125	25.8	1-1-1
MVS-110X125X30	110	125	30	1-3-1
MVS-110X130X30DR	110	130	28	1-3-1
MVS-115X140X25	115	140	25	1-1-1
MVS-115X140X25V	115	140	25	1-1-1
MVS-120X145X46	120	145	46	1-5-1
MVS-125X140X34	125	140	34	1-5-1
MVS-130X160X28V	130	160	28	1-1-1
MVS-140X155X34	140	155	34	1-5-1
MVS-140X165X46	140	165	46	1-5-1
MVS-150X170X30	150	170	30	1-3-1
MVS-150X180X30.5	150	180	30.5	1-1-1
MVS-150X180X60	150	180	60	1-5-1
MVS-160X190X60	160	190	60	1-5-1
MVS-180X210X60	180	210	60	1-5-1
MVS-190X220X60	190	220	60	1-5-1
MVS-200X230X60	200	230	60	1-5-1
MVS-220X250X33.5	220	250	33.5	1-1-1

Seal color may vary.

UNITIZED PISTONS FOR JOHN DEERE & NEW HOLLAND

The John Deere and New Holland Unitized Pistons are designed to handle a broad range of application parameters. The piston body is machined to exact dimensions and is constructed using four components: a high strength steel body, a non-metallic bearing, a rubber loading ring, and a filled PTFE seal ring. The non-metallic bearing is molded to the piston using a special proprietary process.



SEAL INFORMATION	
MATERIAL	STEEL, NYLON, NBR, PTFE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

Part Number	C WIDTH	I PISTON DIAMETER	J BORE DIAMETER	HOLE DIAMETER	COUNTERBORE DIAMETER	COUNTERBORE DEPTH
JD-AH138200	31.24	49.96	50.00	16.56	25.01 ±0.051	10.01 ±0.25
JD-AH233516	31.24	49.96	50.00	16.56	32.02 ±0.051	10.01 ±0.25
JD-AH174930	31.24	49.96	50.00	20.55	32.02 ±0.051	10.01 ±0.25
JD-AH135785	31.24	55.88	56.00	16.59	25.01 ±0.051	10.01 ±0.25
JD-AH142159	31.24	62.97	63.00	20.57	32.02 ±0.051	10.01 ±0.25
JD-RE29383	31.24	62.97	63.00	22.20	N/A	N/A
JD-AH137177	31.24	62.97	63.00	22.58	40.01 ±0.051	10.01 ±0.25
JD-AH160647	31.24	62.97	63.00	22.58	45.02 ±0.051	10.01 ±0.25
JD-AH166138	31.24	62.97	63.00	22.58	36.00 ±0.051	10.01 ±0.25
JD-AH228448	31.24	62.97	63.00	24.56	36.00 ±0.051	10.01 ±0.25
JD-AH172352	36.25	69.85	70.00	22.58	36.00 ±0.051	14.99 ±0.25
JD-AH158623	36.25	69.85	70.00	24.56	40.01 ±0.051	14.99 ±0.25
JD-RE34084	36.25	69.85	70.00	24.56	45.01 ±0.051	14.99 ±0.25
JD-AH165962	36.25	69.85	70.00	27.58	45.01 ±0.051	14.99 ±0.25
JD-AH227867	36.25	69.85	70.00	27.58	40.01 ±0.051	14.02 ±0.13
NH-83962807	29.08	79.86	80.00	24.26	40.11 ±0.051	10.01 ±0.25
NH-87432513	29.08	79.86	80.00	24.26	50.09 ±0.051	14.99 ±0.25
JD-AH139078	29.08	79.86	80.00	24.56	40.01 ±0.051	9.50 ±0.25
JD-AH165826	40.74	79.86	80.00	27.58	50.00 ±0.051	14.99 ±0.25
JD-RE33968	40.74	79.86	80.00	27.58	45.01 ±0.051	19.51 ±0.25
JD-RE34085	40.74	79.86	80.00	27.58	40.01 ±0.051	19.51 ±0.25
JD-AH173410	40.74	79.86	80.00	30.58	50.00 ±0.051	14.99 ±0.25
NH-85800981	29.08	89.87	90.00	24.26	50.09 ±0.051	14.99 ±0.25
JD-AH169827	45.75	89.87	90.00	26.09	56.02 ±0.051	19.99 ±0.25
JD-AH136453	45.75	89.87	90.00	27.58	45.02 ±0.051	19.99 ±0.25
JD-AHC11073	40.13	89.97	90.00	30.58	50.01 ±0.025	14.50 ±0.25
JD-AH141183	45.75	89.87	90.00	30.58	50.01 ±0.025	19.99 +0.25 -0.23

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

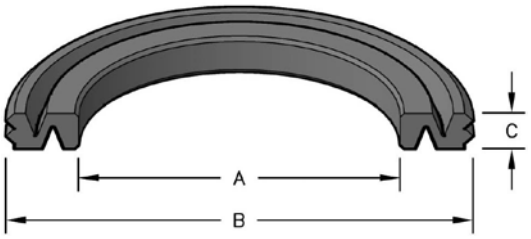
UNITIZED PISTONS FOR JOHN DEERE & NEW HOLLAND

Part Number	C WIDTH	I PISTON DIAMETER	J BORE DIAMETER	HOLE DIAMETER	COUNTERBORE DIAMETER	COUNTERBORE DEPTH
JD-AH169436	45.75	89.87	90.00	30.58	45.02 ±0.051	19.99 ±0.25
JD-AH205060	45.75	89.87	90.00	30.58	50.01 ±0.025	19.99 +0.25 -0.23
JD-AH169826	45.75	99.97	100.00	26.09	50.00 ±0.051	19.99 ±0.25
JD-AHC10806	40.13	99.97	100.00	30.58	50.01 ±0.025	14.50 ±0.25
JD-AH159034	45.75	99.97	100.00	30.58	50.00 ±0.051	19.99 ±0.25
JD-AH205062	45.75	99.97	100.00	30.58	50.00 ±0.051	19.99 ±0.25
NH-85800982	41.28	99.87	100.00	30.78	56.10 ±0.051	13.97 ±0.25
JD-AH166637	45.75	99.97	100.00	33.63	56.02 ±0.051	19.99 ±0.25
JD-AH164620	45.75	99.97	100.00	33.83	50.00 ±0.051	19.99 ±0.25
NH-81875232	45.09	109.88	110.00	30.25	50.09 ±0.051	9.91 ±0.25
JD-AHC10777	40.13	114.99	115.00	30.58	50.01 ±0.025	14.50 ±0.25
NH-85800983	40.31	114.86	115.00	33.76	63.09 ±0.051	10.01 ±0.25
NH-87611074	40.31	114.86	115.00	33.76	63.09 ±0.051	10.01 ±0.25
JD-AH168884	45.75	114.96	115.00	36.63	56.02 ±0.051	19.99 ±0.25
JD-AH167446	55.25	124.97	125.00	36.63	63.00 ±0.051	19.99 ±0.25
JD-AH173851	63.53	152.32	152.00	42.52	70.00 +0.050 -0.025	38.00 ±0.25

Seal color may vary.

STYLE MPK54 PISTON SEALS

MPK54 is designed as a piston seal suitable for pneumatic cylinders and valves. MPK54 seals are useful in short stroke applications because of its ease of assembly and low friction capabilities.

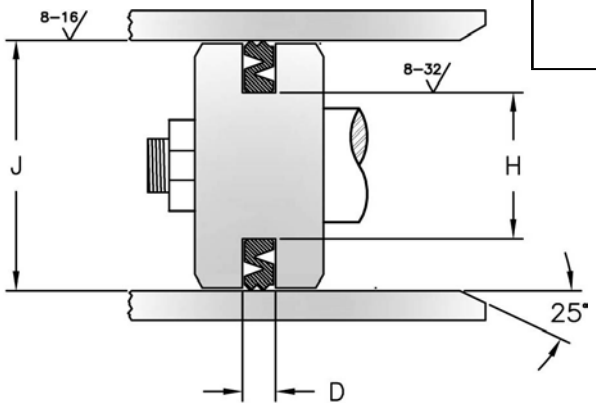


PART NUMBERS

MPK54 - 012

Type of Seal / Outside Diameter

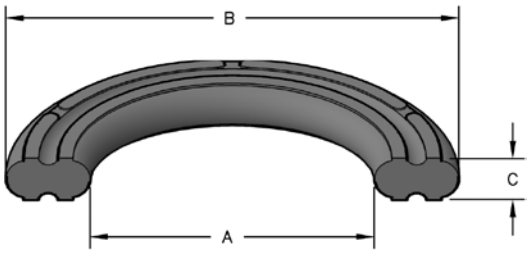
SEAL INFORMATION	
MATERIAL	70A NBR
TEMPERATURE RANGE	-20° TO +220° F
PRESSURE RANGE	0 TO 175 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPK54-012	7	12	2	2.50 +0.20 +0.00	7.00 +0.000 -0.036	12.00 +0.11 +0.00
MPK54-016	9	16	2.1	2.50 +0.20 +0.00	9.00 +0.000 -0.036	16.00 +0.11 +0.00
MPK54-020	13	20	2.1	2.50 +0.20 +0.00	13.00 +0.000 -0.043	20.00 +0.13 +0.00
MPK54-025	18	25	2.1	2.50 +0.20 +0.00	18.00 +0.000 -0.043	25.00 +0.13 +0.00
MPK54-028	19	28	2.5	3.00 +0.20 +0.00	19.00 +0.000 -0.052	28.00 +0.13 +0.00
MPK54-030	21	30	2.5	3.00 +0.20 +0.00	21.00 +0.000 -0.052	30.00 +0.13 +0.00
MPK54-032	23	32	2.5	3.00 +0.20 +0.00	23.00 +0.000 -0.052	32.00 +0.16 +0.00
MPK54-035	26	35	2.5	3.00 +0.20 +0.00	26.00 +0.000 -0.052	35.00 +0.16 +0.00
MPK54-040	31	40	2.5	3.00 +0.20 +0.00	31.00 +0.000 -0.062	40.00 +0.16 +0.00
MPK54-045	36	45	2.5	3.00 +0.20 +0.00	36.00 +0.000 -0.062	45.00 +0.16 +0.00
MPK54-050	41	50	2.5	3.00 +0.20 +0.00	41.00 +0.000 -0.062	50.00 +0.16 +0.00
MPK54-060	44	60	3.4	4.00 +0.20 +0.00	44.00 +0.000 -0.062	60.00 +0.19 +0.00
MPK54-063	51	63	3.4	4.00 +0.20 +0.00	51.00 +0.000 -0.074	63.00 +0.19 +0.00
MPK54-070	58	70	3.4	4.00 +0.20 +0.00	58.00 +0.000 -0.074	70.00 +0.19 +0.00
MPK54-080	68	80	3.4	4.00 +0.20 +0.00	68.00 +0.000 -0.074	80.00 +0.19 +0.00
MPK54-100	88	100	3.4	4.00 +0.20 +0.00	88.00 +0.000 -0.087	100.00 +0.22 +0.00
MPK54-125	110	125	4.4	5.00 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.25 +0.00

STYLE MPK62 PISTON SEALS

MPK62 is a double-acting pneumatic piston seal designed to work in low axial height housings. The solid body molded in 70 durometer nitrile provides superior low-pressuring sealing.

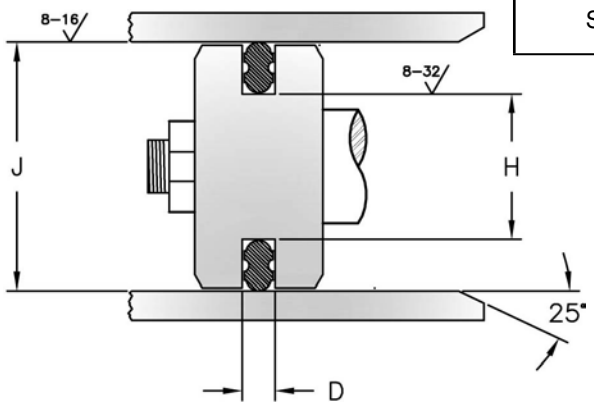


PART NUMBERS

MPK62 - 032

Style Prefix — Bore Diameter

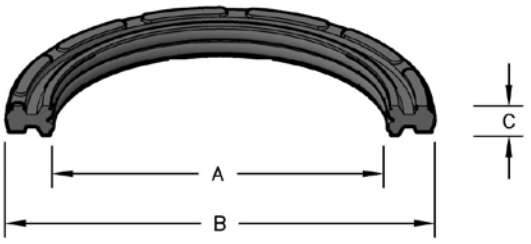
SEAL INFORMATION	
MATERIAL	70A NBR
TEMPERATURE RANGE	-20° TO +220° F
PRESSURE RANGE	0 TO 175 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPK62-032	24	32	3.2	3.20 +0.20 +0.00	24.00 +0.000 -0.052	32.00 +0.16 +0.00
MPK62-040	32	40	3.2	3.20 +0.20 +0.00	32.00 +0.000 -0.062	40.00 +0.16 +0.00
MPK62-050	40	50	4	4.00 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.16 +0.00
MPK62-060	50	60	4	4.00 +0.20 +0.00	50.00 +0.000 -0.062	60.00 +0.19 +0.00
MPK62-063	53	63	4	4.00 +0.20 +0.00	53.00 +0.000 -0.074	63.00 +0.19 +0.00
MPK62-080	65	80	6	6.00 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.19 +0.00
MPK62-100	85	100	6	6.00 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.22 +0.00
MPK62-125	110	125	6	6.00 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.25 +0.00
MPK62-140	125	140	6	6.00 +0.20 +0.00	125.00 +0.00 -0.10	140.00 +0.25 +0.00

STYLE MAPA PISTON SEALS

MAPA is a double-acting pneumatic piston seal designed to work with thin-type pistons. This design reduces damage caused by twisting and rolling.

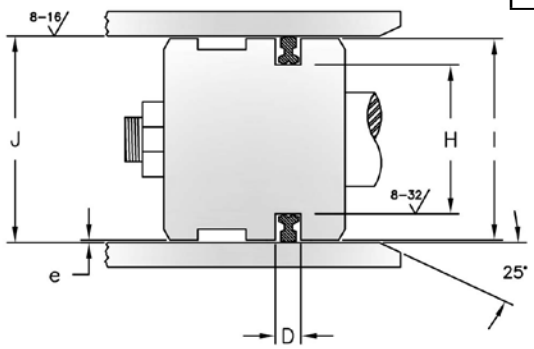


PART NUMBERS

MAPA - 22 X 30 X 3

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	80 NBR
TEMPERATURE RANGE	-30° TO +248° F
PRESSURE RANGE	0 TO 142 PSI
SPEED	3 FT/SEC



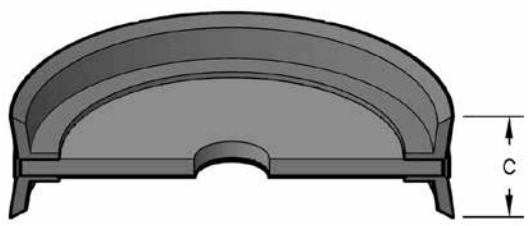
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MAPA-22X30X3	22	30	3	3.20 +0.20 +0.00	22.00 +0.000 -0.033	30.00 +0.052 +0.000
MAPA-24X32X3	24	32	3	3.20 +0.20 +0.00	24.00 +0.000 -0.033	32.00 +0.062 +0.000
MAPA-32X40X3	32	40	3	3.20 +0.20 +0.00	32.00 +0.000 -0.039	40.00 +0.062 +0.000
MAPA-40X50X3.8	40	50	3.8	4.00 +0.20 +0.00	40.00 +0.000 -0.039	50.00 +0.062 +0.000
MAPA-53X63X3.8	53	63	3.8	4.00 +0.20 +0.00	53.00 +0.000 -0.046	63.00 +0.074 +0.000
MAPA-65X80X5.7	65	80	5.7	6.00 +0.20 +0.00	65.00 +0.000 -0.046	80.00 +0.074 +0.000
MAPA-85X100X5.7	85	100	5.7	6.00 +0.20 +0.00	85.00 +0.000 -0.054	100.00 +0.087 +0.000
MAPA-110X125X5.7	110	125	5.7	6.00 +0.20 +0.00	110.00 +0.000 -0.054	125.00 +0.10 +0.00

STYLE PU-TDA & PU-TDMA PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
PU-TDA 70X58X13.5	58	70	13.5	14.50 +0.12 -0.05	58.00 +0.000 -0.074	70.00 +0.046 +0.000
PU-TDA 80X65X12	65	80	12	13.00 +0.12 -0.05	65.00 +0.000 -0.074	80.00 +0.046 +0.000
PU-TDA 125X110X12	110	125	12	13.00 +0.12 -0.05	110.00 +0.000 -0.087	125.00 +0.063 +0.000
PU-TDA 200X180X16	180	200	16	17.00 +0.12 -0.05	180.00 +0.00 -0.10	200.00 +0.072 +0.000
PU-TDMA 100X90X15	90	100	15	16.00 +0.12 -0.05	90.00 +0.000 -0.087	100.00 +0.054 +0.000

STYLE MDPC PISTON SEALS

MDPC is a complete double-acting piston constructed of a steel plate bonded to nitrile rubber sealing lips. Pneumatic applications to 230 psi pressure.

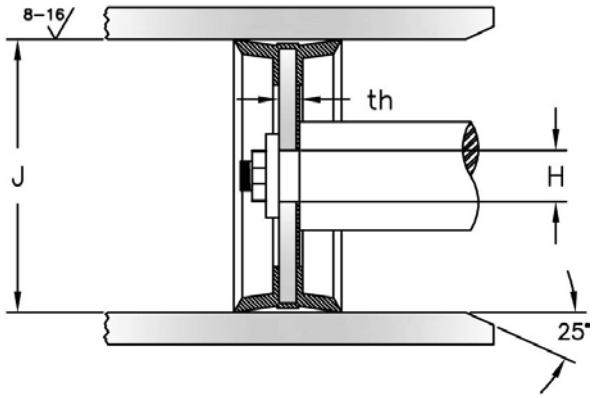


PART NUMBERS

MDPC - 020

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	75A NBR
TEMPERATURE RANGE	-22° TO +220° F
PRESSURE RANGE	0 TO 230 PSI
SPEED	3 FT/SEC



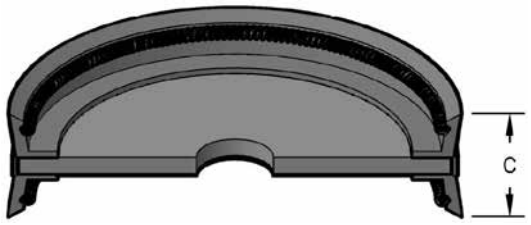
Part Number	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS
MDPC-020	20.00 +0.13 +0.00	5.20 +0.00 -0.03	8.00	3.00
MDPC-025	25.00 +0.13 +0.00	8.00 +0.000 -0.036	12.00	4.00
MDPC-032	32.00 +0.16 +0.00	8.00 +0.000 -0.036	15.00	4.00
MDPC-040	40.00 +0.16 +0.00	10.00 +0.000 -0.036	18.00	5.00
MDPC-050	50.00 +0.16 +0.00	10.00 +0.000 -0.036	18.00	5.00
MDPC-050A	50.00 +0.16 +0.00	16.00 +0.000 -0.043	20.50	4.00
MDPC-063	63.00 +0.19 +0.00	12.00 +0.000 -0.043	22.00	6.00
MDPC-070	70.00 +0.19 +0.00	12.00 +0.000 -0.043	22.00	6.00
MDPC-080	80.00 +0.19 +0.00	16.00 +0.000 -0.043	22.50	5.00
MDPC-080A	80.00 +0.19 +0.00	16.00 +0.000 -0.043	25.00	6.50
MDPC-090	90.00 +0.22 +0.00	16.00 +0.000 -0.043	25.00	6.50
MDPC-100	100.00 +0.22 +0.00	16.00 +0.000 -0.043	25.00	6.50
MDPC-100A	100.00 +0.22 +0.00	20.00 +0.000 -0.052	25.00	5.00
MDPC-125	125.00 +0.25 +0.00	20.00 +0.000 -0.052	30.00	10.00

Part Number	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS
MDPC-150	150.00 +0.25 +0.00	20.00 +0.000 -0.052	30.00	12.00
MDPC-160	160.00 +0.25 +0.00	27.00 +0.000 -0.052	31.00	12.00
MDPC-180	180.00 +0.25 +0.00	27.00 +0.000 -0.052	31.00	12.00
MDPC-200	200.00 +0.29 +0.00	20.00 +0.000 -0.052	35.00	12.00
MDPC-200B	200.00 +0.29 +0.00	27.00 +0.000 -0.052	35.00	15.00
MDPC-250	250.00 +0.29 +0.00	30.00 +0.000 -0.052	35.00	16.50

Seal color may vary.

STYLE MDPCS PISTON SEALS

MDPCS is a double-acting complete piston seal constructed of a steel plate bonded to nitrile rubber sealing lips and spring energized for low-pressure sealing. Pneumatic applications to 230 psi pressure. Hydraulic pressure limits range from 175 to 870 psi, depending on size.

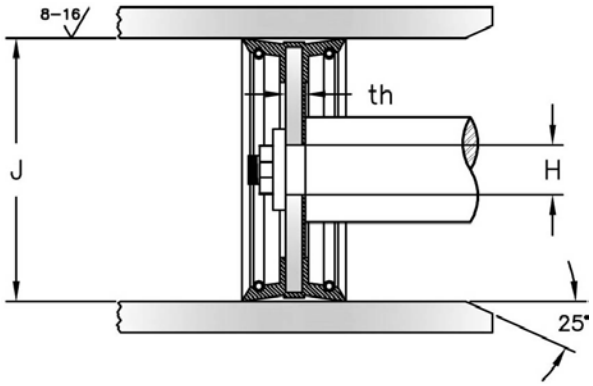


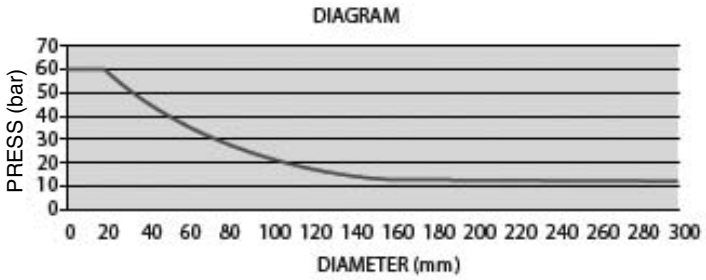
PART NUMBERS

MDPCS - 030

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	90A NBR
TEMPERATURE RANGE	- 22° TO +220° F
PRESSURE RANGE	MAX 175 TO 870 PSI
SPEED	3 FT/SEC





Part Number	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS
MDPCS-030	30.00 +0.13 +0.00	8.00 +0.000 -0.036	22.00	3.50
MDPCS-032	32.00 +0.16 +0.00	8.00 +0.000 -0.036	25.00	3.50
MDPCS-035	35.00 +0.16 +0.00	8.00 +0.000 -0.036	18.00	3.00
MDPCS-038	38.00 +0.16 +0.00	8.00 +0.000 -0.036	25.00	3.50
MDPCS-040A	40.00 +0.16 +0.00	10.00 +0.000 -0.036	25.00	3.50
MDPCS-045	45.00 +0.16 +0.00	10.00 +0.000 -0.036	25.00	4.50
MDPCS-050A	50.00 +0.16 +0.00	16.00 +0.000 -0.043	23.00	4.00
MDPCS-050	50.00 +0.16 +0.00	10.00 +0.000 -0.036	25.00	4.50
MDPCS-055	55.00 +0.19 +0.00	10.00 +0.000 -0.036	25.00	4.50
MDPCS-060C	60.00 +0.19 +0.00	21.00 +0.000 -0.052	26.00	4.00
MDPCS-060A	60.00 +0.19 +0.00	12.00 +0.000 -0.043	27.00	4.00
MDPCS-063A	63.00 +0.19 +0.00	12.00 +0.000 -0.043	25.00	4.50
MDPCS-065	65.00 +0.19 +0.00	12.00 +0.000 -0.043	25.00	4.50
MDPCS-070	70.00 +0.19 +0.00	12.00 +0.000 -0.043	30.00	5.90

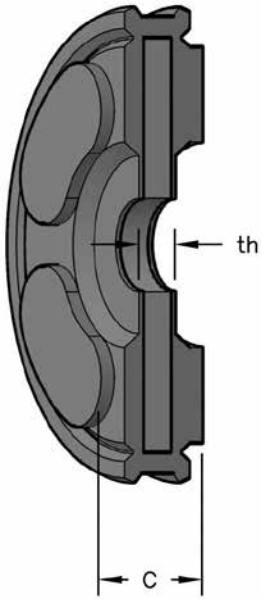
Part Number	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS
MDPCS-075	75.00 +0.19 +0.00	12.00 +0.000 -0.043	30.00	5.90
MDPCS-080	80.00 +0.19 +0.00	12.00 +0.000 -0.043	30.00	5.90
MDPCS-085	85.00 +0.22 +0.00	12.00 +0.000 -0.043	35.00	7.10
MDPCS-090	90.00 +0.22 +0.00	12.00 +0.000 -0.043	35.00	7.10
MDPCS-100	100.00 +0.22 +0.00	12.00 +0.000 -0.043	35.00	7.10
MDPCS-110	110.00 +0.22 +0.00	12.00 +0.000 -0.043	40.00	7.00
MDPCS-120	120.00 +0.22 +0.00	20.00 +0.000 -0.052	8.00	9.00
MDPCS-125	125.00 +0.25 +0.00	20.00 +0.000 -0.052	40.00	9.00
MDPCS-125A	125.00 +0.25 +0.00	30.00 +0.000 -0.052	40.00	8.00
MDPCS-130	130.00 +0.25 +0.00	20.00 +0.000 -0.052	40.00	9.00
MDPCS-145	145.00 +0.25 +0.00	20.00 +0.000 -0.052	45.00	11.00
MDPCS-150	150.00 +0.25 +0.00	20.00 +0.000 -0.052	40.00	11.00
MDPCS-160	160.00 +0.25 +0.00	20.00 +0.000 -0.052	40.00	11.00
MDPCS-200	200.00 +0.29 +0.00	20.00 +0.000 -0.052	40.00	11.00

STYLE MDPCS PISTON SEALS

Part Number	J BORE DIAMETER	H HOLE SIZE	C LIP HEIGHT	th THICKNESS	List Price
MDPCS-230	230.00 +0.29 +0.00	30.00 +0.000 -0.052	40.00	13.00	176.80
MDPCS-250	250.00 +0.29 +0.00	30.00 +0.000 -0.052	40.00	13.00	198.49

STYLE MDPC-57 PISTON SEALS

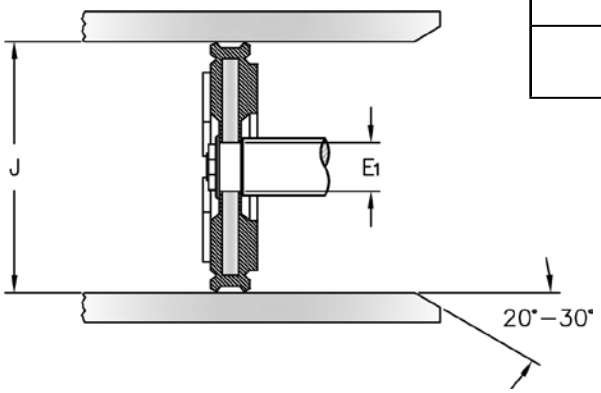
This double-acting piston seal consists of an aluminum plate bonded to elastomeric NBR.



PART NUMBERS

MDPC-57 - 010

Type of Seal — Bore Diameter



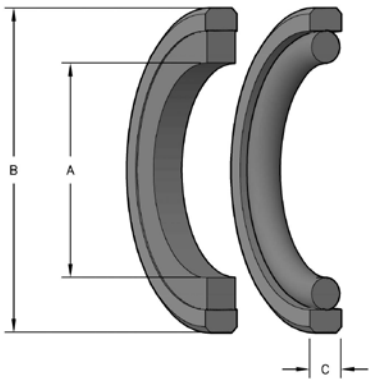
SEAL INFORMATION	
MATERIAL	70A NBR
TEMPERATURE RANGE	-22 - +220° F
PRESSURE RANGE	0 TO 175 PSI
SPEED	3 FT/SEC

Part Number	J BORE DIAMETER	E_1 STUB DIAMETER	C LIP HEIGHT	th THICKNESS
MDPC-57-012	12.00 +0.11 +0.00	4.50 +0.000 -0.048	6.00	2.30
MDPC-57-016	16.00 +0.11 +0.00	4.50 +0.000 -0.048	6.50	2.30
MDPC-57-025	25.00 +0.13 +0.00	7.00 +0.000 -0.058	8.80	3.50
MDPC-57-032	32.00 +0.16 +0.00	8.00 +0.000 -0.058	11.00	3.50
MDPC-57-040	40.00 +0.16 +0.00	8.00 +0.000 -0.058	11.80	4.50
MDPC-57-050	50.00 +0.16 +0.00	10.00 +0.000 -0.058	14.00	4.50
MDPC-57-063	63.00 +0.19 +0.00	12.00 +0.00 -0.07	14.00	4.50
MDPC-57-080	80.00 +0.19 +0.00	16.00 +0.00 -0.07	16.00	5.50
MDPC-57-100	100.00 +0.22 +0.00	20.00 +0.000 -0.084	18.00	6.50

Seal color may vary.

STYLE MPS TWO PIECE PISTON SEALS

Molded from filled PTFE and machined to close tolerances, these seals feature low friction and excellent wear characteristics. Nitrile o-rings are used for energizers.

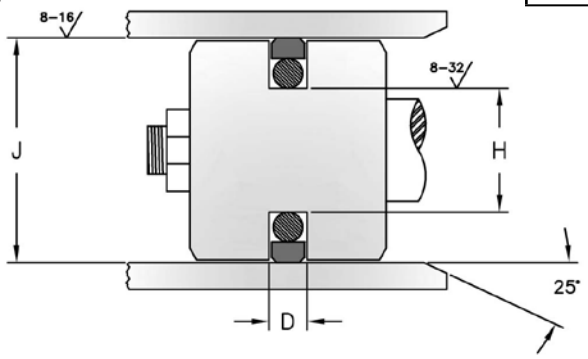


PART NUMBERS

MPS - 12 X 2 X 1-B5

Type of Seal	Bore Diameter	Seal Height	Cross Section

SEAL INFORMATION	
MATERIAL	PTFE PISTON SEAL 70A NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 psi
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS-12X2X1-B5	7.1	12	2	2.20 +0.20 +0.00	7.10 +0.000 -0.036	12.00 +0.043 +0.000
MPS-15X3X2-B5	7.5	15	3	3.20 +0.20 +0.00	7.50 +0.000 -0.036	15.00 +0.043 +0.000
MPS-16X2X1-B5	11.1	16	2	2.20 +0.20 +0.00	11.10 +0.000 -0.043	16.00 +0.043 +0.000
MPS-20X3X2-B5	12.5	20	3	3.20 +0.20 +0.00	12.50 +0.000 -0.043	20.00 +0.052 +0.000
MPS-22X3X2-B5	14.5	22	3	3.20 +0.20 +0.00	14.50 +0.000 -0.043	22.00 +0.052 +0.000
MPS-25X3X2-B5	17.5	25	3	3.20 +0.20 +0.00	17.50 +0.000 -0.043	25.00 +0.052 +0.000
MPS-28X3X2-B5	20.5	28	3	3.20 +0.20 +0.00	20.50 +0.000 -0.052	28.00 +0.052 +0.000
MPS-30X3X2-B5	22.5	30	3	3.20 +0.20 +0.00	22.50 +0.000 -0.052	30.00 +0.052 +0.000
MPS-30X2X1-B5	25.1	30	2	2.20 +0.20 +0.00	25.10 +0.000 -0.052	30.00 +0.052 +0.000
MPS-32X3X2	24.5	32	3	3.20 +0.20 +0.00	24.50 +0.000 -0.052	32.00 +0.062 +0.000
MPS-32X2X1-B5	27.1	32	2	2.20 +0.20 +0.00	27.10 +0.000 -0.052	32.00 +0.062 +0.000
MPS-35X25.5X4.5	25.5	35	4.3	4.50 +0.20 +0.00	25.50 +0.000 -0.052	35.00 +0.062 +0.000
MPS-35X3X2-B5	27.5	35	3	3.20 +0.20 +0.00	27.50 +0.000 -0.052	35.00 +0.062 +0.000
MPS-36X3X2-B5	28.5	36	3	3.20 +0.20 +0.00	28.50 +0.000 -0.052	36.00 +0.062 +0.000
MPS-40X6X3.5-B5	24.5	40	6	6.30 +0.20 +0.00	24.50 +0.000 -0.052	40.00 +0.062 +0.000
MPS-40X4X2.9-B5	29	40	4	4.20 +0.20 +0.00	29.00 +0.000 -0.052	40.00 +0.062 +0.000

STYLE MPS TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS-40X3X2-B5	32.5	40	3	3.20 +0.20 +0.00	32.50 +0.000 -0.062	40.00 +0.062 +0.000
MPS-42X4X2.9-B5	31	42	4	4.20 +0.20 +0.00	31.00 +0.000 -0.062	42.00 +0.062 +0.000
MPS-45X4X2.9-B5	34	45	4	4.20 +0.20 +0.00	34.00 +0.000 -0.062	45.00 +0.062 +0.000
MPS-45X4.3X2	35	45	4.3	4.50 +0.20 +0.00	35.00 +0.000 -0.062	45.00 +0.062 +0.000
MPS-45X3.8X1.5	36.4	45	3.8	4.20 +0.20 +0.00	36.40 +0.000 -0.062	45.00 +0.062 +0.000
MPS-45X4.4X1.2	37.1	45	4.4	4.60 +0.20 +0.00	37.10 +0.000 -0.062	45.00 +0.062 +0.000
MPS-48X4X2.9-B5	37	48	4	4.20 +0.20 +0.00	37.00 +0.000 -0.062	48.00 +0.062 +0.000
MPS-50X6X3.5	34.5	50	6	6.30 +0.20 +0.00	34.50 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X4X2.9-B5	39	50	4	4.20 +0.20 +0.00	39.00 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X4X2.5	40	50	4	4.20 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X4.3X2	40	50	4.3	4.50 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X2.7X2.5	41.3	50	2.7	2.90 +0.20 +0.00	41.30 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X3.8X1.5	41.5	50	3.8	4.20 +0.20 +0.00	41.50 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X4.4X1.2	42.1	50	4.4	4.60 +0.20 +0.00	42.10 +0.000 -0.062	50.00 +0.062 +0.000
MPS-50X3X2-B5	42.2	50	3	3.20 +0.20 +0.00	42.20 +0.000 -0.062	50.00 +0.062 +0.000
MPS-52X4X2.9-B5	41	52	4	4.20 +0.20 +0.00	41.00 +0.000 -0.062	52.00 +0.074 +0.000
MPS-53X4X2.5	42.5	53	4	4.20 +0.20 +0.00	42.50 +0.000 -0.062	53.00 +0.074 +0.000
MPS-55X6X3.5	39.5	55	6	6.30 +0.20 +0.00	39.50 +0.000 -0.062	55.00 +0.074 +0.000
MPS-55X4X2.9-B5	44	55	4	4.20 +0.20 +0.00	44.00 +0.000 -0.062	55.00 +0.074 +0.000
MPS-55X4.3X2	45	55	4.3	4.50 +0.20 +0.00	45.00 +0.000 -0.062	55.00 +0.074 +0.000
MPS-56X4X2.9-B5	45.5	56	4	4.20 +0.20 +0.00	45.50 +0.000 -0.062	56.00 +0.074 +0.000
MPS-60X6X3.5	44.5	60	6	6.30 +0.20 +0.00	44.50 +0.000 -0.062	60.00 +0.074 +0.000
MPS-60X7X2.5	45.8	60	7	7.20 +0.20 +0.00	45.80 +0.000 -0.062	60.00 +0.074 +0.000
MPS-60X4X2.9-B5	49	60	3.9	4.20 +0.20 +0.00	49.00 +0.000 -0.062	60.00 +0.074 +0.000
MPS-60X4.9X2.5	49.5	60	4.9	5.10 +0.20 +0.00	49.50 +0.000 -0.062	60.00 +0.074 +0.000
MPS-60X3.8X2	51.1	60	3.8	4.20 +0.20 +0.00	51.10 +0.000 -0.074	60.00 +0.074 +0.000
MPS-60X3.7X1.5	52.1	60	3.7	4.00 +0.20 +0.00	52.10 +0.000 -0.074	60.00 +0.074 +0.000
MPS-60X4.4X1.3	52.5	60	4.4	4.60 +0.20 +0.00	52.50 +0.000 -0.074	60.00 +0.074 +0.000
MPS-63X6X3.5	47.5	63	6	6.30 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000
MPS-63X47.5X6.3	47.5	63	6.3	6.50 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000
MPS-63X7.3X2.5	48	63	7.3	7.50 +0.20 +0.00	48.00 +0.000 -0.062	63.00 +0.074 +0.000
MPS-63X5X1	51.8	63	5	5.20 +0.20 +0.00	51.80 +0.000 -0.074	63.00 +0.074 +0.000
MPS-63X4X2.9-B5	52	63	4	4.20 +0.20 +0.00	52.00 +0.000 -0.074	63.00 +0.074 +0.000

STYLE MPS TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS-63X53X5	53	63	5	5.20 +0.20 +0.00	53.00 +0.000 -0.074	63.00 +0.074 +0.000
MPS-65X6X3.5	49.5	65	6	6.30 +0.20 +0.00	49.50 +0.000 -0.062	65.00 +0.074 +0.000
MPS-65X7.3X2.5	50	65	7.3	7.50 +0.20 +0.00	50.00 +0.000 -0.062	65.00 +0.074 +0.000
MPS-65X4X2.9-B5	54	65	4	4.20 +0.20 +0.00	54.00 +0.000 -0.074	65.00 +0.074 +0.000
MPS-70X6X3.5	54.5	70	6	6.30 +0.20 +0.00	54.50 +0.000 -0.074	70.00 +0.074 +0.000
MPS-70X6.2X2.5	55.9	70	6.2	6.50 +0.20 +0.00	55.90 +0.000 -0.074	70.00 +0.074 +0.000
MPS-70X7X2.5	56.4	70	7	7.20 +0.20 +0.00	56.40 +0.000 -0.074	70.00 +0.074 +0.000
MPS-70X4X2.9	59	70	4	4.20 +0.20 +0.00	59.00 +0.000 -0.074	70.00 +0.074 +0.000
MPS-70X4X2.5	60	70	4	4.20 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000
MPS-70X4X1.8	61.7	70	4	4.20 +0.20 +0.00	61.70 +0.000 -0.074	70.00 +0.074 +0.000
MPS-71X7.3X2.5	56	71	7.3	7.50 +0.20 +0.00	56.00 +0.000 -0.074	71.00 +0.074 +0.000
MPS-75X6X3.5	59	75	6	6.30 +0.20 +0.00	59.50 +0.000 -0.074	75.00 +0.074 +0.000
MPS-75X7.3X2.5	60	75	7.3	7.50 +0.20 +0.00	60.00 +0.000 -0.074	75.00 +0.074 +0.000
MPS-75X6.2X2.5	60.9	75	6.2	6.50 +0.20 +0.00	60.90 +0.000 -0.074	75.00 +0.074 +0.000
MPS-75X4X2.9-B5	64	75	4	4.20 +0.20 +0.00	64.00 +0.000 -0.074	75.00 +0.074 +0.000
MPS-80X7.9X5	59	80	7.9	8.10 +0.20 +0.00	59.00 +0.000 -0.074	80.00 +0.074 +0.000
MPS-80X6X3.5	64.5	80	6	6.30 +0.20 +0.00	64.50 +0.000 -0.074	80.00 +0.074 +0.000
MPS-80X7X2.5	65.8	80	7	7.20 +0.20 +0.00	65.80 +0.000 -0.074	80.00 +0.074 +0.000
MPS-80X6.2X2.5	65.9	80	6.2	6.50 +0.20 +0.00	65.90 +0.000 -0.074	80.00 +0.074 +0.000
MPS-80X7.3X2.5	66	80	7.3	7.50 +0.20 +0.00	66.00 +0.000 -0.074	80.00 +0.074 +0.000
MPS-80X4X2.9-B5	69	80	4	4.20 +0.20 +0.00	69.00 +0.000 -0.074	80.00 +0.074 +0.000
MPS-85X7.9X5	64	85	7.9	8.10 +0.20 +0.00	64.00 +0.000 -0.074	85.00 +0.087 +0.000
MPS-85X6X3.5	69.5	85	6	6.30 +0.20 +0.00	69.50 +0.000 -0.074	85.00 +0.087 +0.000
MPS-85X70X7.3	70	85	7.3	7.60 +0.20 +0.00	70.00 +0.000 -0.074	85.00 +0.087 +0.000
MPS-90X7.9X5	69	90	7.9	8.10 +0.20 +0.00	69.00 +0.000 -0.074	90.00 +0.087 +0.000
MPS-90X6X3.5	74.5	90	6	6.30 +0.20 +0.00	74.50 +0.000 -0.074	90.00 +0.087 +0.000
MPS-90X7.3X2.5	75	90	7.3	7.50 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
MPS-90X7X2.5	75.8	90	7	7.20 +0.20 +0.00	75.80 +0.000 -0.074	90.00 +0.087 +0.000
MPS-90X6X2.5	79	90	6	6.30 +0.20 +0.00	79.00 +0.000 -0.074	90.00 +0.087 +0.000
MPS-95X7.9X5	74	95	7.9	8.10 +0.20 +0.00	74.00 +0.000 -0.074	95.00 +0.087 +0.000
MPS-95X6X3.5	79.5	95	6	6.30 +0.20 +0.00	79.50 +0.000 -0.074	95.00 +0.087 +0.000
MPS-100X7.9X5	79	100	7.9	8.10 +0.20 +0.00	79.00 +0.000 -0.074	100.00 +0.087 +0.000
MPS-100X6X3.5	84.5	100	6	6.30 +0.20 +0.00	84.50 +0.000 -0.087	100.00 +0.087 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPS TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS-100X6.2X2.4-B4	84.8	100	6.2	6.40 +0.20 +0.00	84.80 +0.000 -0.087	100.00 +0.087 +0.000
MPS-100X85X7.5	85	100	7.3	7.50 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000
MPS-100X7X2.5	86.6	100	7	7.20 +0.20 +0.00	86.60 +0.000 -0.087	100.00 +0.087 +0.000
MPS-105X7.9X5	84	105	7.9	8.10 +0.20 +0.00	84.00 +0.000 -0.087	105.00 +0.087 +0.000
MPS-105X6X3.5	89.5	105	6	6.30 +0.20 +0.00	89.50 +0.000 -0.087	105.00 +0.087 +0.000
MPS-105X7.29X3.23	89.8	105	7.29	7.60 +0.20 +0.00	89.80 +0.000 -0.087	105.00 +0.087 +0.000
MPS-110X7.9X5	89	110	7.9	8.10 +0.20 +0.00	89.00 +0.000 -0.087	110.00 +0.087 +0.000
MPS-110X6X3.5	94.5	110	6	6.30 +0.20 +0.00	94.50 +0.000 -0.087	110.00 +0.087 +0.000
MPS-110X7X2.5	95.8	110	7	7.20 +0.20 +0.00	95.80 +0.000 -0.087	110.00 +0.087 +0.000
MPS-115X7.9X5	94	115	7.9	8.10 +0.20 +0.00	94.00 +0.000 -0.087	115.00 +0.087 +0.000
MPS-115X6X3.5	99.5	115	6	6.30 +0.20 +0.00	99.50 +0.000 -0.087	115.00 +0.087 +0.000
MPS-115X7X2.5	100.8	115	7	7.20 +0.20 +0.00	100.80 +0.000 -0.087	115.00 +0.087 +0.000
MPS-120X7.9X5	99	120	7.9	8.10 +0.20 +0.00	99.00 +0.000 -0.087	120.00 +0.087 +0.000
MPS-120X6X3.5	104.5	120	6	6.30 +0.20 +0.00	104.50 +0.000 -0.087	120.00 +0.087 +0.000
MPS-125X7.9X5	104	125	7.9	8.10 +0.20 +0.00	104.00 +0.000 -0.087	125.00 +0.10 +0.00
MPS-125X6X3.5	109.5	125	6	6.30 +0.20 +0.00	109.50 +0.000 -0.087	125.00 +0.10 +0.00
MPS-125X7X2.5	110.8	125	7	7.20 +0.20 +0.00	110.80 +0.000 -0.087	125.00 +0.10 +0.00
MPS-130X7.9X5	109	130	7.9	8.10 +0.20 +0.00	109.00 +0.000 -0.087	130.00 +0.10 +0.00
MPS-130X6X3.5	114.5	130	6	6.30 +0.20 +0.00	114.50 +0.000 -0.087	130.00 +0.10 +0.00
MPS-135X7.9X5	114	135	7.9	8.10 +0.20 +0.00	114.00 +0.000 -0.087	135.00 +0.10 +0.00
MPS-140X7.9X5	119	140	7.9	8.10 +0.20 +0.00	119.00 +0.000 -0.087	140.00 +0.10 +0.00
MPS-145X7.9X5	124	145	7.9	8.10 +0.20 +0.00	124.00 +0.00 -0.10	145.00 +0.10 +0.00
MPS-150X7.9X5	129	150	7.9	8.10 +0.20 +0.00	129.00 +0.00 -0.10	150.00 +0.10 +0.00
MPS-155X7.9X5	134	155	7.9	8.10 +0.20 +0.00	134.00 +0.00 -0.10	155.00 +0.10 +0.00
MPS-160X7.9X5	139	160	7.9	8.10 +0.20 +0.00	139.00 +0.00 -0.10	160.00 +0.10 +0.00
MPS-160X8.9X3.5	140.5	160	8.9	9.10 +0.20 +0.00	140.50 +0.00 -0.10	160.00 +0.10 +0.00
MPS-160X145X7.55	145	160	7.3	7.50 +0.20 +0.00	145.00 +0.00 -0.10	160.00 +0.10 +0.00
MPS-165X7.9X5	144	165	7.9	8.10 +0.20 +0.00	144.00 +0.00 -0.10	165.00 +0.10 +0.00
MPS-170X7.9X5	149	170	7.9	8.10 +0.20 +0.00	149.00 +0.00 -0.10	170.00 +0.10 +0.00
MPS-180X7.9X5	159	180	7.9	8.10 +0.20 +0.00	159.00 +0.00 -0.10	180.00 +0.10 +0.00
MPS-190X7.9X5	169	190	7.9	8.10 +0.20 +0.00	169.00 +0.00 -0.10	190.00 +0.115 +0.000
MPS-200X7.9X5	179	200	7.9	8.10 +0.20 +0.00	179.00 +0.00 -0.10	200.00 +0.115 +0.000
MPS-215X7.9X5	194	215	7.9	8.10 +0.20 +0.00	194.00 +0.000 -0.115	215.00 +0.115 +0.000

STYLE MPS TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS-220X7.9X5-B5	199	220	7.9	8.10 +0.20 +0.00	199.00 +0.000 -0.115	220.00 +0.115 +0.000
MPS-225X7.9X5	204	225	7.9	8.10 +0.20 +0.00	204.00 +0.000 -0.115	225.00 +0.115 +0.000
MPS-230X7.9X5-B5	209	230	7.9	8.10 +0.20 +0.00	209.00 +0.000 -0.115	230.00 +0.115 +0.000
MPS-240X7.9X5	219	240	7.9	8.10 +0.20 +0.00	219.00 +0.000 -0.115	240.00 +0.115 +0.000
MPS-250X7.9X5	229	250	7.9	8.10 +0.20 +0.00	229.00 +0.000 -0.115	250.00 +0.115 +0.000
MPS-320X299X8.1	299	320	7.9	8.10 +0.20 +0.00	299.00 +0.00 -0.13	320.00 +0.14 +0.00

Seal color may vary.

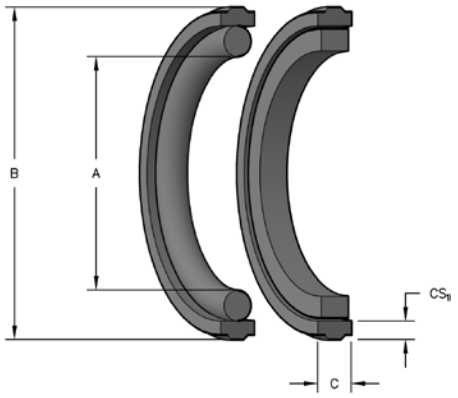
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPSU TWO PIECE PISTON SEALS

Molded from tough, wear resistant polyester with additives of 55D polyester these seals are totally interchangeable with style MPS seals of the same dimensions. Nitrile o-rings are used as energizers.

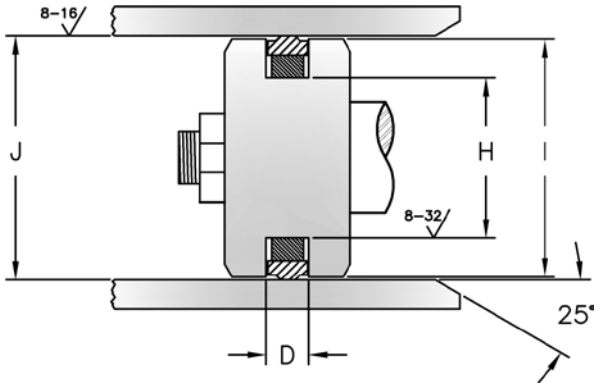


PART NUMBERS

MPSU - 12 X 3 X 2

Type of Seal	Bore Diameter	Seal Height	Cross Section

SEAL INFORMATION	
MATERIAL	GLASS/PTFE FILLED POLYESTER SEAL, RUBBER ENERGIZER
TEMPERATURE RANGE	-40 TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSU-25X3X2	17.5	25	3	3.20 +0.20 +0.00	17.50 +0.000 -0.043	25.00 +0.052 +0.000
MPSU-30X3X2	22.5	30	3	3.20 +0.20 +0.00	22.50 +0.000 -0.052	30.00 +0.052 +0.000
MPSU-40X4X2.9	29	40	4	4.20 +0.20 +0.00	29.00 +0.000 -0.052	40.00 +0.062 +0.000
MPSU-45X4X2.9	34	45	4	4.20 +0.20 +0.00	34.00 +0.000 -0.062	45.00 +0.062 +0.000
MPSU-50X6X3.5	34.5	50	6	6.30 +0.20 +0.00	34.50 +0.000 -0.062	50.00 +0.062 +0.000
MPSU-50X4X2.9	39	50	4	4.20 +0.20 +0.00	39.00 +0.000 -0.062	50.00 +0.062 +0.000
MPSU-60X6X3.5	44.5	60	6	6.30 +0.20 +0.00	44.50 +0.000 -0.062	60.00 +0.074 +0.000
MPSU-60X4X2.9	49	60	4	4.20 +0.20 +0.00	49.00 +0.000 -0.062	60.00 +0.074 +0.000
MPSU-63X6X3.5	47.5	63	6	6.30 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000
MPSU-63X4X2.9	52	63	4	4.20 +0.20 +0.00	52.00 +0.000 -0.074	63.00 +0.074 +0.000
MPSU-65X6X3.5	49.5	65	6	6.30 +0.20 +0.00	49.50 +0.000 -0.062	65.00 +0.074 +0.000
MPSU-65X6X2.5	52	65	6	6.30 +0.20 +0.00	52.00 +0.000 -0.074	65.00 +0.074 +0.000
MPSU-65X4X2.9	54	65	4	4.20 +0.20 +0.00	54.00 +0.000 -0.074	65.00 +0.074 +0.000
MPSU-70X6X2.8	57	70	6	6.30 +0.20 +0.00	57.00 +0.000 -0.074	70.00 +0.074 +0.000
MPSU-70X4X2.9	59	70	4	4.20 +0.20 +0.00	59.00 +0.000 -0.074	70.00 +0.074 +0.000

STYLE MPSU TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSU-75X6X3.5	59.5	75	6	6.30 +0.20 +0.00	59.50 +0.000 -0.074	75.00 +0.074 +0.000
MPSU-75X4X2.9	64	75	4	4.20 +0.20 +0.00	64.00 +0.000 -0.074	75.00 +0.074 +0.000
MPSU-80X6X3.5	64.5	80	6	6.30 +0.20 +0.00	64.50 +0.000 -0.074	80.00 +0.074 +0.000
MPSU-85X6X3.5	69.5	85	6	6.30 +0.20 +0.00	69.50 +0.000 -0.074	85.00 +0.087 +0.000
MPSU-90X6X3.5	74.5	90	6	6.30 +0.20 +0.00	74.50 +0.000 -0.074	90.00 +0.087 +0.000
MPSU-100X6X3.5	84.5	100	6	6.30 +0.20 +0.00	84.50 +0.000 -0.087	100.00 +0.087 +0.000
MPSU-110X6X3.5	94.5	110	6	6.30 +0.20 +0.00	94.50 +0.000 -0.087	110.00 +0.087 +0.000
MPSU-120X7.9X5	99	120	7.9	8.10 +0.20 +0.00	99.00 +0.000 -0.087	120.00 +0.087 +0.000
MPSU-125X7.9X5	104	125	7.9	8.10 +0.20 +0.00	104.00 +0.000 -0.087	125.00 +0.10 +0.00
MPSU-125X6X3.5	109.5	125	6	6.30 +0.20 +0.00	109.50 +0.000 -0.087	125.00 +0.10 +0.00
MPSU-130X7.9X5	109	130	7.9	8.10 +0.20 +0.00	109.00 +0.000 -0.087	130.00 +0.10 +0.00
MPSU-130X6X3.5	114.5	130	6	6.30 +0.20 +0.00	114.50 +0.000 -0.087	130.00 +0.10 +0.00
MPSU-135X7.9X5	114	135	7.9	8.10 +0.20 +0.00	114.00 +0.000 -0.087	135.00 +0.10 +0.00
MPSU-140X7.9X5	119	140	7.9	8.10 +0.20 +0.00	119.00 +0.000 -0.087	140.00 +0.10 +0.00
MPSU-150X7.9X5	129	150	7.9	8.10 +0.20 +0.00	129.00 +0.00 -0.10	150.00 +0.10 +0.00
MPSU-160X7.9X5	139	160	7.9	8.10 +0.20 +0.00	139.00 +0.00 -0.10	160.00 +0.10 +0.00
MPSU-170X7.9X5	149	170	7.9	8.10 +0.20 +0.00	149.00 +0.00 -0.10	170.00 +0.10 +0.00
MPSU-180X7.9X5	159	180	7.9	8.10 +0.20 +0.00	159.00 +0.00 -0.10	180.00 +0.10 +0.00
MPSU-210X7.9X5	189	210	7.9	8.10 +0.20 +0.00	189.00 +0.000 -0.115	210.00 +0.115 +0.000

Seal color may vary.

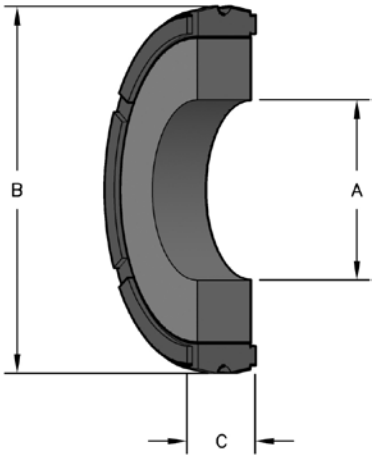
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPSU300 TWO PIECE PISTON SEALS

The MPSU300 is a compact, double-acting piston seal consisting of two parts: a urethane sealing ring with a pronounced sealing edge and a rectangular nitrile energizer to prevent the seal from twisting within the groove. It also has low friction and smooth operating movement even at low linear velocities.

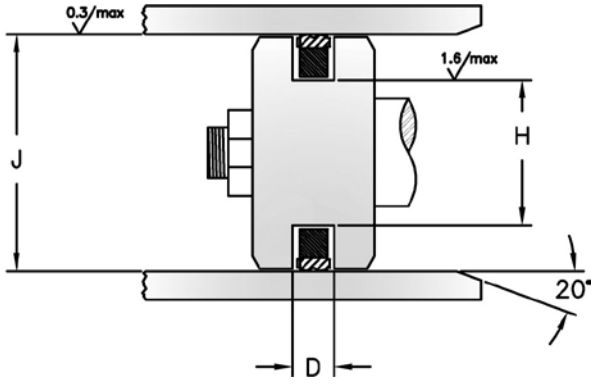


PART NUMBERS

MPSU300 - 40 X 27 X 6

Type of Seal | Bore | Groove Diameter | Seal Height

SEAL INFORMATION	
MATERIAL	94A URETHANE SEAL 70/80A NITRILE ENERGIZER
TEMPERATURE RANGE	-22 TO +212° F
PRESSURE RANGE	0 TO 5,800 PSI
SPEED	1.5 FT/SEC



MAXIMUM EXTRUSION GAP				
GROOVE WIDTH (mm)	2,400 psi 16MPa	3,700 psi 26MPa	4,700 psi 32 MPa	5,800 psi 40 MPa
3.2	0.3	0.2	-	-
4.2	0.4	0.3	0.2	-
6.3	0.5	0.4	0.3	0.25
8.1	0.6	0.5	0.4	0.35
10.5	0.65	0.55	0.45	0.4

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSU300-25X17.5X3	17.5	25	3	3.20 +0.20 +0.00	17.50 +0.000 -0.043	25.00 +0.052 +0.000
MPSU300-32X24.5X3	24.5	32	3	3.20 +0.20 +0.00	24.50 +0.000 -0.052	32.00 +0.062 +0.000
MPSU300-40X27X6	27	40	6	6.30 +0.20 +0.00	27.00 +0.000 -0.052	40.00 +0.062 +0.000
MPSU300-40X29X4	29	40	4	4.20 +0.20 +0.00	29.00 +0.000 -0.052	40.00 +0.062 +0.000
MPSU300-45X34X4	34	45	4	4.20 +0.20 +0.00	34.00 +0.000 -0.062	45.00 +0.062 +0.000
MPSU300-50X34.5X6	34.5	50	6	6.30 +0.20 +0.00	34.50 +0.000 -0.062	50.00 +0.062 +0.000
MPSU300-50X37X6	37	50	6	6.30 +0.20 +0.00	37.00 +0.000 -0.062	50.00 +0.062 +0.000
MPSU300-50X39X4	39	50	4	4.20 +0.20 +0.00	39.00 +0.000 -0.062	50.00 +0.062 +0.000
MPSU300-55X39.5X6	39.5	55	6	6.30 +0.20 +0.00	39.50 +0.000 -0.062	55.00 +0.074 +0.000
MPSU300-60X44.5X6	44.5	60	6	6.30 +0.20 +0.00	44.50 +0.000 -0.062	60.00 +0.074 +0.000
MPSU300-60X49X4	49	60	4	4.20 +0.20 +0.00	49.00 +0.000 -0.062	60.00 +0.074 +0.000
MPSU300-63X47.5X6	47.5	63	6	6.30 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000

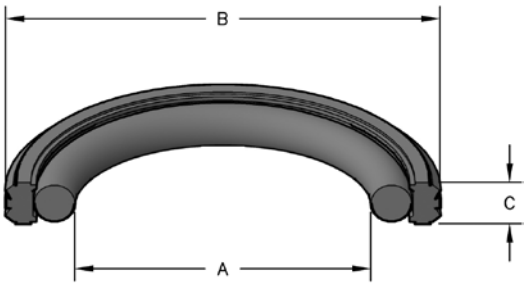
STYLE MPSU300 TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSU300-63X50X6	50	63	6	6.30 +0.20 +0.00	50.00 +0.000 -0.062	63.00 +0.074 +0.000
MPSU300-63X52X4	52	63	4	4.20 +0.20 +0.00	52.00 +0.000 -0.074	63.00 +0.074 +0.000
MPSU300-65X49.5X6	49.5	65	6	6.30 +0.20 +0.00	49.50 +0.000 -0.062	65.00 +0.074 +0.000
MPSU300-70X54.5X5.9	54.5	70	5.9	6.30 +0.20 +0.00	54.50 +0.000 -0.074	70.00 +0.074 +0.000
MPSU300-70X55X7.3	55	70	7.3	7.50 +0.20 +0.00	55.00 +0.000 -0.074	70.00 +0.074 +0.000
MPSU300-75X59.5X6	59.5	75	6	6.30 +0.20 +0.00	59.50 +0.000 -0.074	75.00 +0.074 +0.000
MPSU300-80X59X10	59	80	10	10.30 +0.20 +0.00	59.00 +0.000 -0.074	80.00 +0.074 +0.000
MPSU300-80X64.5X6	64.5	80	6	6.30 +0.20 +0.00	64.50 +0.000 -0.074	80.00 +0.074 +0.000
MPSU300-80X66.5X6	66.5	80	6	6.30 +0.20 +0.00	66.50 +0.000 -0.074	80.00 +0.074 +0.000
MPSU300-85X69.5X6	69.5	85	6	6.30 +0.20 +0.00	69.50 +0.000 -0.074	85.00 +0.087 +0.000
MPSU300-85X71.5X6	71.5	85	6	6.30 +0.20 +0.00	71.50 +0.000 -0.074	85.00 +0.087 +0.000
MPSU300-90X74.5X6	74.5	90	6	6.30 +0.20 +0.00	74.50 +0.000 -0.074	90.00 +0.087 +0.000
MPSU300-90X75X7.3	75	90	7.3	7.50 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
MPSU300-95X79.5X6	79.5	95	6	6.30 +0.20 +0.00	79.50 +0.000 -0.074	95.00 +0.087 +0.000
MPSU300-100X79X7.8	79	100	7.8	8.10 +0.20 +0.00	79.00 +0.000 -0.074	100.00 +0.087 +0.000
MPSU300-100X84.5X6	84.5	100	6	6.30 +0.20 +0.00	84.50 +0.000 -0.087	100.00 +0.087 +0.000
MPSU300-110X89X7.8	89	110	7.8	8.10 +0.20 +0.00	89.00 +0.000 -0.087	110.00 +0.087 +0.000
MPSU300-110X94.5X6	94.5	110	6	6.30 +0.20 +0.00	94.50 +0.000 -0.087	110.00 +0.087 +0.000
MPSU300-115X94X7.8	94	115	7.8	8.10 +0.20 +0.00	94.00 +0.000 -0.087	115.00 +0.087 +0.000
MPSU300-120X99X7.8	99	120	7.8	8.10 +0.20 +0.00	99.00 +0.000 -0.087	120.00 +0.087 +0.000
MPSU300-120X99X10	99	120	10	10.50 +0.20 +0.00	99.00 +0.000 -0.087	120.00 +0.087 +0.000
MPSU300-125X104X7.8	104	125	7.8	8.10 +0.20 +0.00	104.00 +0.000 -0.087	125.00 +0.10 +0.00
MPSU300-125X104X10	104	125	10	10.30 +0.20 +0.00	104.00 +0.000 -0.087	125.00 +0.10 +0.00
MPSU300-125X109.5X6	109.5	125	6	6.30 +0.20 +0.00	109.50 +0.000 -0.087	125.00 +0.10 +0.00
MPSU300-130X109X7.8	109	130	7.8	8.10 +0.20 +0.00	109.00 +0.000 -0.087	130.00 +0.10 +0.00
MPSU300-140X119X7.8	119	140	7.8	8.10 +0.20 +0.00	119.00 +0.000 -0.087	140.00 +0.10 +0.00
MPSU300-140X119X10	119	140	10	10.50 +0.20 +0.00	119.00 +0.000 -0.087	140.00 +0.10 +0.00
MPSU300-150X129X7.8	129	150	7.8	8.10 +0.20 +0.00	129.00 +0.00 -0.10	150.00 +0.10 +0.00
MPSU300-150X129X10	129	150	10	10.50 +0.20 +0.00	129.00 +0.00 -0.10	150.00 +0.10 +0.00
MPSU300-160X139X7.8	139	160	7.8	8.10 +0.20 +0.00	139.00 +0.00 -0.10	160.00 +0.10 +0.00
MPSU300-180X159X7.8	159	180	7.8	8.10 +0.20 +0.00	159.00 +0.00 -0.10	180.00 +0.10 +0.00

Seal color may vary.

STYLE MKPD TWO PIECE PISTON SEALS

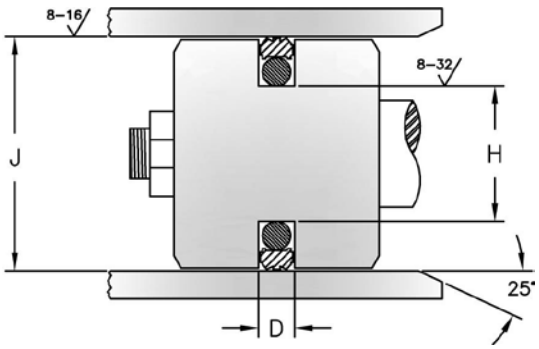
A double acting piston seal with many features: Two compact seal edges to concentrate the load against the dynamic surface, a cavity between the two external seal edges to retain fluid (reducing friction and wear), side grooves to allow pressure to load the energizer in all working conditions, high sealing performance at low pressure, excellent wear-resistance, and high resistance against extrusion.



PART NUMBERS

MKPD - 25 X 14 X 4.2

Type of Seal | Bore Diameter | Groove Diameter | Groove Width



SEAL INFORMATION

MATERIAL	97A URETHANE SEAL 70A NITRILE EXPANDER
TEMPERATURE RANGE	-22° TO +210° F
PRESSURE RANGE	0 TO 5,800 PSI
SPEED	1.5 FT/SEC

MAXIMUM EXTRUSION GAP

Pressure (psi)	725	1450	2900	4350	5800
Max Diametrical Gap (inches)	0.047	0.031	0.016	0.010	0.007

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MKPD-25X14X4.2	14	25	4.2	4.20 +0.20 +0.00	14.00 +0.10 +0.00	25.00 +0.084 +0.000
MKPD-25X17.5X3.2	17.5	25	3.2	3.20 +0.20 +0.00	17.50 +0.10 +0.00	25.00 +0.084 +0.000
MKPD-30X22.5X3.2	22.5	30	3.2	3.20 +0.20 +0.00	22.50 +0.10 +0.00	30.00 +0.084 +0.000
MKPD-32X21X4.2	21	32	4.2	4.20 +0.20 +0.00	21.00 +0.10 +0.00	32.00 +0.10 +0.00
MKPD-32X24.5X3.2	24.5	32	3.2	3.20 +0.20 +0.00	24.50 +0.10 +0.00	32.00 +0.10 +0.00
MKPD-35X27.5X3.2	27.5	35	3.2	3.20 +0.20 +0.00	27.50 +0.10 +0.00	35.00 +0.10 +0.00
MKPD-38X30.5X3.2	30.5	38	3.2	3.20 +0.20 +0.00	30.50 +0.10 +0.00	38.00 +0.10 +0.00
MKPD-40X24.5X6.3	24.5	40	6.3	6.30 +0.20 +0.00	24.50 +0.10 +0.00	40.00 +0.10 +0.00
MKPD-40X29X4.2	29	40	4.2	4.20 +0.20 +0.00	29.00 +0.10 +0.00	40.00 +0.10 +0.00
MKPD-40X32.5X3.2	32.5	40	3.2	3.20 +0.20 +0.00	32.50 +0.10 +0.00	40.00 +0.10 +0.00
MKPD-45X29.5X6.3	29.5	45	6.3	6.30 +0.20 +0.00	29.50 +0.10 +0.00	45.00 +0.10 +0.00
MKPD-45X34X4.2	34	45	4.2	4.20 +0.20 +0.00	34.00 +0.10 +0.00	45.00 +0.10 +0.00
MKPD-50X34.5X6.3	34.5	50	6.3	6.30 +0.20 +0.00	34.50 +0.10 +0.00	50.00 +0.10 +0.00
MKPD-50X39X4.2	39	50	4.2	4.20 +0.20 +0.00	39.00 +0.10 +0.00	50.00 +0.10 +0.00
MKPD-55X39.5X6.3	39.5	55	6.3	6.30 +0.20 +0.00	39.50 +0.10 +0.00	55.00 +0.12 +0.00

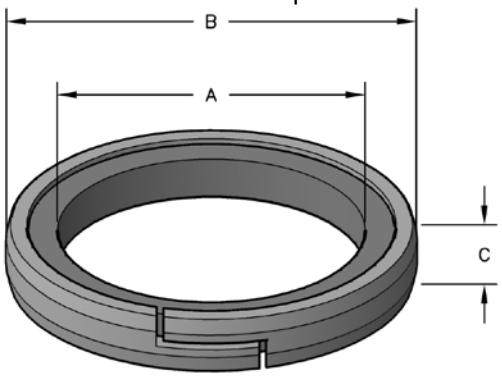
STYLE MKPD TWO PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MKPD-55X44X4.2	44	55	4.2	4.20 +0.20 +0.00	44.00 +0.10 +0.00	55.00 +0.12 +0.00
MKPD-60X44.5X6.3	44.5	60	6.3	6.30 +0.20 +0.00	44.50 +0.10 +0.00	60.00 +0.12 +0.00
MKPD-60X49X4.2	49	60	4.2	4.20 +0.20 +0.00	49.00 +0.10 +0.00	60.00 +0.12 +0.00
MKPD-63X47.5X6.3	47.5	63	6.3	6.30 +0.20 +0.00	47.50 +0.10 +0.00	63.00 +0.12 +0.00
MKPD-63X52X4.2	52	63	4.2	4.20 +0.20 +0.00	52.00 +0.10 +0.00	63.00 +0.12 +0.00
MKPD-65X49.5X6.3	49.5	65	6.3	6.30 +0.20 +0.00	49.50 +0.10 +0.00	65.00 +0.12 +0.00
MKPD-65X54X4.2	54	65	4.2	4.20 +0.20 +0.00	54.00 +0.10 +0.00	65.00 +0.12 +0.00
MKPD-70X54.5X6.3	54.5	70	6.3	6.30 +0.20 +0.00	54.50 +0.10 +0.00	70.00 +0.12 +0.00
MKPD-70X59X4.2	59	70	4.2	4.20 +0.20 +0.00	59.00 +0.10 +0.00	70.00 +0.12 +0.00
MKPD-75X59.5X6.3	59.5	75	6.3	6.30 +0.20 +0.00	59.50 +0.10 +0.00	75.00 +0.12 +0.00
MKPD-75X64X4.2	64	75	4.2	4.20 +0.20 +0.00	64.00 +0.10 +0.00	75.00 +0.12 +0.00
MKPD-80X64.5X6.3	64.5	80	6.3	6.30 +0.20 +0.00	64.50 +0.10 +0.00	80.00 +0.12 +0.00
MKPD-80X69X4.2	69	80	4.2	4.20 +0.20 +0.00	69.00 +0.10 +0.00	80.00 +0.12 +0.00
MKPD-85X69.5X6.3	69.5	85	6.3	6.30 +0.20 +0.00	69.50 +0.10 +0.00	85.00 +0.14 +0.00
MKPD-90X74.5X6.3	74.5	90	6.3	6.30 +0.20 +0.00	74.50 +0.10 +0.00	90.00 +0.14 +0.00
MKPD-95X79.5X6.3	79.5	95	6.3	6.30 +0.20 +0.00	79.50 +0.10 +0.00	95.00 +0.14 +0.00
MKPD-100X84.5X6.3	84.5	100	6.3	6.30 +0.20 +0.00	84.50 +0.10 +0.00	100.00 +0.14 +0.00
MKPD-100X86.5X6.3	86.5	100	6.3	6.30 +0.20 +0.00	86.50 +0.10 +0.00	100.00 +0.14 +0.00
MKPD-110X94.5X6.3	94.5	110	6.3	6.30 +0.20 +0.00	94.50 +0.10 +0.00	110.00 +0.14 +0.00
MKPD-120X104.5X6.3	104.5	120	6.3	6.30 +0.20 +0.00	104.50 +0.10 +0.00	120.00 +0.14 +0.00
MKPD-125X109.5X6.3	109.5	125	6.3	6.30 +0.20 +0.00	109.50 +0.10 +0.00	125.00 +0.16 +0.00
MKPD-130X114.5X6.3	114.5	130	6.3	6.30 +0.20 +0.00	114.50 +0.10 +0.00	130.00 +0.16 +0.00
MKPD-140X119X8.1	119	140	8.1	8.10 +0.20 +0.00	119.00 +0.10 +0.00	140.00 +0.16 +0.00
MKPD-150X129X8.1	129	150	8.1	8.10 +0.20 +0.00	129.00 +0.10 +0.00	150.00 +0.16 +0.00
MKPD-160X139X8.1	139	160	8.1	8.10 +0.20 +0.00	139.00 +0.10 +0.00	160.00 +0.16 +0.00
MKPD-170X149X8.1	149	170	8.1	8.10 +0.20 +0.00	149.00 +0.10 +0.00	170.00 +0.16 +0.00
MKPD-180X159X8.1	159	180	8.1	8.10 +0.20 +0.00	159.00 +0.10 +0.00	180.00 +0.16 +0.00
MKPD-200X179X8.1	179	200	8.1	8.10 +0.20 +0.00	179.00 +0.10 +0.00	200.00 +0.185 +0.000
MKPD-250X229X8.1	229	250	8.1	8.10 +0.20 +0.00	229.00 +0.10 +0.00	250.00 +0.185 +0.000

Seal color may vary.

STYLE MPS2000 NYLON STEP CUT PISTON SEALS

The MPS2000 double acting piston seal is designed for heavy duty hydraulic applications. The small profile is resistant to shock loads and has high abrasion and extrusion resistance. Its split design allows simple installation on a solid piston.

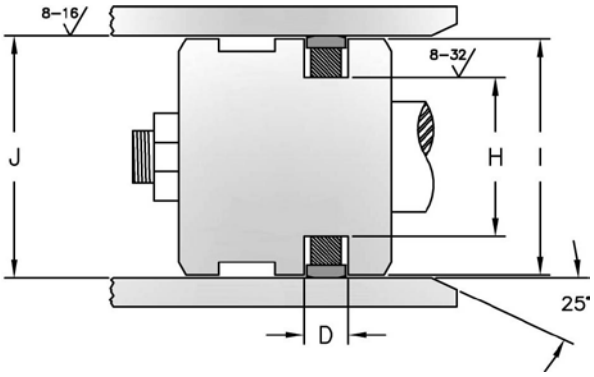


PART NUMBERS

MPS2000 - 50

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	NYLON SEAL WITH NITRILE ENERGIZER
TEMPERATURE RANGE	-22° F TO +230° F
PRESSURE RANGE	0 TO 7250 PSI
SPEED	3 FT/SEC



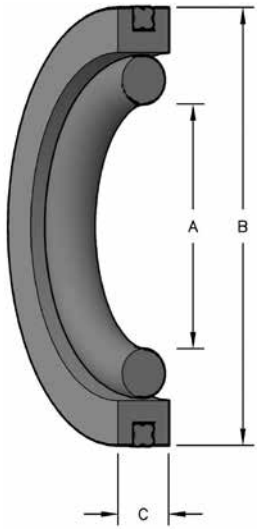
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS2000-38	30.5	38	3.2	3.20 +0.20 +0.00	30.50 +0.000 -0.062	38.00 +0.062 +0.000
MPS2000-45	34	45	4.2	4.20 +0.20 +0.00	34.00 +0.000 -0.062	45.00 +0.062 +0.000
MPS2000-50	34.5	50	6.3	6.30 +0.20 +0.00	34.50 +0.000 -0.062	50.00 +0.062 +0.000
MPS2000-63	47.5	63	6.3	6.30 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000
MPS2000-75	54	75	8.1	8.10 +0.20 +0.00	54.00 +0.000 -0.074	75.00 +0.07 +0.00
MPS2000-80/1	59	80	8.1	8.10 +0.20 +0.00	59.00 +0.000 -0.074	80.00 +0.074 +0.000
MPS2000-80	64.5	80	6.3	6.30 +0.20 +0.00	64.50 +0.000 -0.074	80.00 +0.074 +0.000
MPS2000-85	64	85	8.1	8.10 +0.20 +0.00	64.00 +0.000 -0.074	85.00 +0.09 +0.00
MPS2000-90	69	90	8.1	8.10 +0.20 +0.00	69.00 +0.000 -0.074	90.00 +0.087 +0.000
MPS2000-95	74	95	8.1	8.10 +0.20 +0.00	74.00 +0.00 -0.07	95.00 +0.09 +0.00
MPS2000-100	79	100	8.1	8.10 +0.20 +0.00	79.00 +0.000 -0.074	100.00 +0.087 +0.000
MPS2000-100/1	84.5	100	6.3	6.30 +0.20 +0.00	84.50 +0.000 -0.087	100.00 +0.087 +0.000
MPS2000-105	84	105	8.1	8.10 +0.20 +0.00	84.00 +0.000 -0.087	105.00 +0.087 +0.000
MPS2000-110	89	110	8.1	8.10 +0.20 +0.00	89.00 +0.000 -0.087	110.00 +0.087 +0.000
MPS2000-115	94	115	8.1	8.10 +0.20 +0.00	94.00 +0.000 -0.087	115.00 +0.087 +0.000

STYLE MPS2000 NYLON STEP CUT PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPS2000-120	99	120	8.1	8.10 +0.20 +0.00	99.00 +0.000 -0.087	120.00 +0.087 +0.000
MPS2000-125	104	125	8.1	8.10 +0.20 +0.00	104.00 +0.000 -0.087	125.00 +0.10 +0.00
MPS2000-125/1	109.5	125	6.3	6.30 +0.20 +0.00	109.50 +0.000 -0.087	125.00 +0.10 +0.00
MPS2000-130	109	130	8.1	8.10 +0.20 +0.00	109.00 +0.000 -0.087	130.00 +0.10 +0.00
MPS2000-135	114	135	8.1	8.10 +0.20 +0.00	114.00 +0.000 -0.087	135.00 +0.10 +0.00
MPS2000-140	119	140	8.1	8.10 +0.20 +0.00	119.00 +0.000 -0.087	140.00 +0.10 +0.00
MPS2000-145	124	145	8.1	8.10 +0.20 +0.00	124.00 +0.00 -0.10	145.00 +0.10 +0.00
MPS2000-150	129	150	8.1	8.10 +0.20 +0.00	129.00 +0.00 -0.10	150.00 +0.10 +0.00
MPS2000-160	139	160	8.1	8.10 +0.20 +0.00	139.00 +0.00 -0.10	160.00 +0.10 +0.00
MPS2000-165	144	165	8.1	8.10 +0.20 +0.00	144.00 +0.00 -0.10	165.00 +0.10 +0.00
MPS2000-170	149	170	8.1	8.10 +0.20 +0.00	149.00 +0.00 -0.10	170.00 +0.10 +0.00
MPS2000-180	159	180	8.1	8.10 +0.20 +0.00	159.00 +0.00 -0.10	180.00 +0.10 +0.00
MPS2000-190	169	190	8.1	8.10 +0.20 +0.00	169.00 +0.00 -0.10	190.00 +0.115 +0.000
MPS2000-200	179	200	8.1	8.10 +0.20 +0.00	179.00 +0.00 -0.10	200.00 +0.115 +0.000
MPS2000-210	189	210	8.1	8.10 +0.20 +0.00	189.00 +0.000 -0.115	210.00 +0.115 +0.000
MPS2000-220	199	220	8.1	8.10 +0.20 +0.00	199.00 +0.000 -0.115	220.00 +0.115 +0.000
MPS2000-220A	205	220	8.1	8.10 +0.20 +0.00	205.00 +0.000 -0.115	220.00 +0.115 +0.000
MPS2000-230	209	230	8.1	8.10 +0.20 +0.00	209.00 +0.000 -0.115	230.00 +0.115 +0.000
MPS2000-240	225	240	8.1	8.10 +0.20 +0.00	225.00 +0.000 -0.115	240.00 +0.115 +0.000
MPS2000-250	229	250	8.1	8.10 +0.20 +0.00	229.00 +0.000 -0.115	250.00 +0.115 +0.000
MPS2000-260	239	260	8.1	8.10 +0.20 +0.00	239.00 +0.000 -0.115	260.00 +0.13 +0.00
MPS2000-280	255.5	280	8.1	8.10 +0.20 +0.00	255.50 +0.00 -0.13	280.00 +0.13 +0.00
MPS2000-290	271	290	9.5	9.50 +0.20 +0.00	271.00 +0.00 -0.13	290.00 +0.13 +0.00
MPS2000-300	272	300	9.5	9.50 +0.20 +0.00	272.00 +0.00 -0.13	300.00 +0.13 +0.00

STYLE MPSQ PISTON SEALS

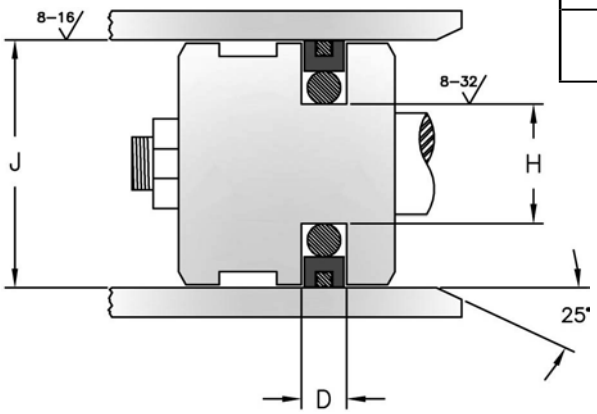
MPSQ piston seals are designed for bi-directional, low friction sealing with increased stability and superior leakage control. This seal is highly effective in applications requiring media separation or low gas permeation rate. This double acting seal is primarily used in accumulators and heavy duty cylinders.



PART NUMBERS

MPSQ - 16 X 5 X 4.2

- MPSQ: Type of Seal
- 16: Bore Diameter
- 5: Groove Diameter
- 4.2: Groove Width



SEAL INFORMATION	
MATERIAL	40% BRONZE FILLED PTFE, NBR ENERGIZER, NBR QUAD® RING
TEMPERATURE RANGE	-40 - +220° F
PRESSURE RANGE	0 TO 5000 PSI
SPEED	6 FT/SEC

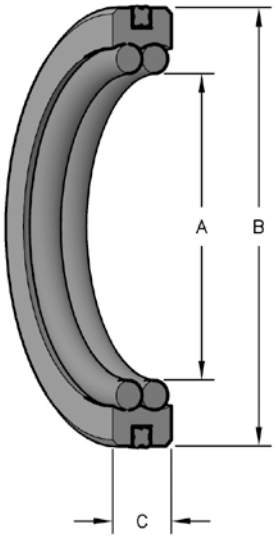
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSQ-25X14X4.2	14	25	4	4.20 +0.20 +0.00	14.00 +0.000 -0.043	25.00 +0.052 +0.000
MPSQ-28X17X4.2	17	28	4	4.20 +0.20 +0.00	17.00 +0.000 -0.043	28.00 +0.052 +0.000
MPSQ-30X19X4.2	19	30	4	4.20 +0.20 +0.00	19.00 +0.000 -0.052	30.00 +0.052 +0.000
MPSQ-32X21X4.2	21	32	4	4.20 +0.20 +0.00	21.00 +0.000 -0.052	32.00 +0.062 +0.000
MPSQ-35X24X4.2	24	35	4	4.20 +0.20 +0.00	24.00 +0.000 -0.052	35.00 +0.062 +0.000
MPSQ-40X29X4.2	29	40	4	4.20 +0.20 +0.00	29.00 +0.000 -0.052	40.00 +0.062 +0.000
MPSQ-42X31X4.2	31	42	4	4.20 +0.20 +0.00	31.00 +0.000 -0.062	42.00 +0.062 +0.000
MPSQ-45X34X4.2	34	45	4	4.20 +0.20 +0.00	34.00 +0.000 -0.062	45.00 +0.062 +0.000
MPSQ-50X34.5X6.3	34.5	50	6.1	6.30 +0.20 +0.00	34.50 +0.000 -0.062	50.00 +0.062 +0.000
MPSQ-50X39X4.2	39	50	4	4.20 +0.20 +0.00	39.00 +0.000 -0.062	50.00 +0.062 +0.000
MPSQ-52X41X4.2	41	52	4	4.20 +0.20 +0.00	41.00 +0.000 -0.062	52.00 +0.074 +0.000
MPSQ-55X44X4.2	44	55	4	4.20 +0.20 +0.00	44.00 +0.000 -0.062	55.00 +0.074 +0.000
MPSQ-60X49X4.2	49	60	4	4.20 +0.20 +0.00	49.00 +0.000 -0.062	60.00 +0.074 +0.000
MPSQ-63X47.5X6.3	47.5	63	6.1	6.30 +0.20 +0.00	47.50 +0.000 -0.062	63.00 +0.074 +0.000
MPSQ-63X52X4.2	52	63	4	4.20 +0.20 +0.00	52.00 +0.000 -0.074	63.00 +0.074 +0.000

STYLE MPSQ PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSQ-65X54X4.2	54	65	4	4.20 +0.20 +0.00	54.00 +0.000 -0.074	65.00 +0.074 +0.000
MPSQ-70X54.5X6.3	54.5	70	6.1	6.30 +0.20 +0.00	54.50 +0.000 -0.074	70.00 +0.074 +0.000
MPSQ-70X59X4.2	59	70	4	4.20 +0.20 +0.00	59.00 +0.000 -0.074	70.00 +0.074 +0.000
MPSQ-75X64X4.2	64	75	4	4.20 +0.20 +0.00	64.00 +0.000 -0.074	75.00 +0.074 +0.000
MPSQ-80X59X8.1	59	80	7.9	8.10 +0.20 +0.00	59.00 +0.000 -0.074	80.00 +0.074 +0.000
MPSQ-80X64.5X6.3	64.5	80	6.1	6.30 +0.20 +0.00	64.50 +0.000 -0.074	80.00 +0.074 +0.000
MPSQ-85X69.5X6.3	69.5	85	6.1	6.30 +0.20 +0.00	69.50 +0.000 -0.074	85.00 +0.087 +0.000
MPSQ-90X74.5X6.3	74.5	90	6.1	6.30 +0.20 +0.00	74.50 +0.000 -0.074	90.00 +0.087 +0.000
MPSQ-95X79.5X6.3	79.5	95	6.1	6.30 +0.20 +0.00	79.50 +0.000 -0.074	95.00 +0.087 +0.000
MPSQ-100X84.5X6.3	84.5	100	6.1	6.30 +0.20 +0.00	84.50 +0.000 -0.087	100.00 +0.087 +0.000
MPSQ-105X89.5X6.3	89.5	105	6.1	6.30 +0.20 +0.00	89.50 +0.000 -0.087	105.00 +0.087 +0.000
MPSQ-110X94.5X6.3	94.5	110	6.1	6.30 +0.20 +0.00	94.50 +0.000 -0.087	110.00 +0.087 +0.000
MPSQ-115X99.5X6.3	99.5	115	6.1	6.30 +0.20 +0.00	99.50 +0.000 -0.087	115.00 +0.087 +0.000
MPSQ-120X104.5X6.3	104.5	120	6.1	6.30 +0.20 +0.00	104.50 +0.000 -0.087	120.00 +0.087 +0.000
MPSQ-125X109.5X6.3	109.5	125	6.1	6.30 +0.20 +0.00	109.50 +0.000 -0.087	125.00 +0.10 +0.00

STYLE MPSQ5 PISTON SEALS

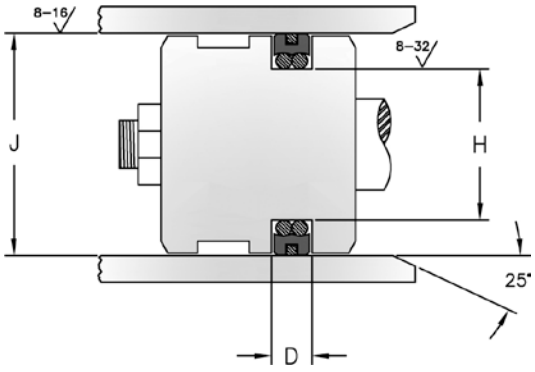
MPSQ5 piston seals are designed for bi-directional, low friction sealing with increased stability and superior leakage control. This seal is highly effective in applications requiring media separation or low gas permeation rate. This double acting seal is primarily used in accumulators and heavy duty cylinders.



PART NUMBERS

MPSQ5 63 X 53 X 6.3

Type of Seal | Outside Diameter | Inside Diameter | Groove Width



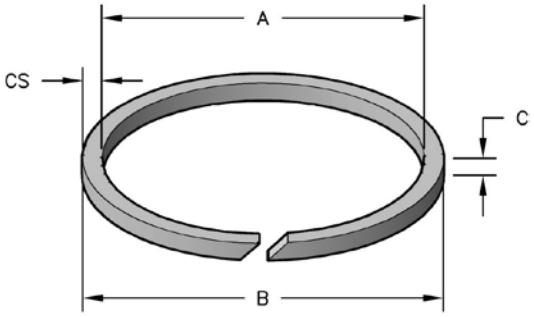
SEAL INFORMATION

MATERIAL	BRONZE FILLED PTFE, NBR ENERGIZERS, NBR QUAD-RING®
TEMPERATURE RANGE	-22° TO 212°F
PRESSURE RANGE	0 TO 8,700 PSI
SPEED	9.8 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSQ5-63X53X6.3	53	63	6	6.30 +0.20 +0.00	53.00 +0.000 -0.074	63.00 +0.074 +0.000
MPSQ5-65X55X6.3	55	65	6	6.30 +0.20 +0.00	55.00 +0.000 -0.074	65.00 +0.074 +0.000
MPSQ5-70X60X6.3	60	70	6	6.30 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000
MPSQ5-80X67X8.3	67	80	7.9	8.30 +0.20 +0.00	67.00 +0.000 -0.074	80.00 +0.074 +0.000
MPSQ5-90X77X8.3	77	90	7.9	8.30 +0.20 +0.00	77.00 +0.000 -0.074	90.00 +0.087 +0.000
MPSQ5-100X87X8.3	87	100	7.9	8.30 +0.20 +0.00	87.00 +0.000 -0.087	100.00 +0.087 +0.000
MPSQ5-110X97X8.3	97	110	7.9	8.30 +0.20 +0.00	97.00 +0.000 -0.087	110.00 +0.087 +0.000
MPSQ5-120X107X8.3	107	120	7.9	8.30 +0.20 +0.00	107.00 +0.000 -0.087	120.00 +0.087 +0.000
MPSQ5-140X122X12.3	122	140	11.9	12.30 +0.20 +0.00	122.00 +0.00 -0.10	140.00 +0.10 +0.00
MPSQ5-160X142X12.3	142	160	11.9	12.30 +0.20 +0.00	142.00 +0.00 -0.10	160.00 +0.10 +0.00
MPSQ5-180X162X12.3	162	180	11.9	12.30 +0.20 +0.00	162.00 +0.00 -0.10	180.00 +0.10 +0.00
MPSQ5-200X182X12.3	182	200	11.9	12.30 +0.20 +0.00	182.00 +0.000 -0.115	200.00 +0.115 +0.000
MPSQ5-220X202X12.3	202	220	11.9	12.30 +0.20 +0.00	202.00 +0.000 -0.115	220.00 +0.115 +0.000

STYLE MBNP PISTON SEAL ANTI-EXTRUSION RINGS

Placed in adjacent grooves on each side of style MPS piston seals, they prevent cold flow or extrusion at high pressures.



PART NUMBERS

MBNP - 95 X 2.5 X 2.5

Type of Seal | Outside Diameter | Cross Section | Width

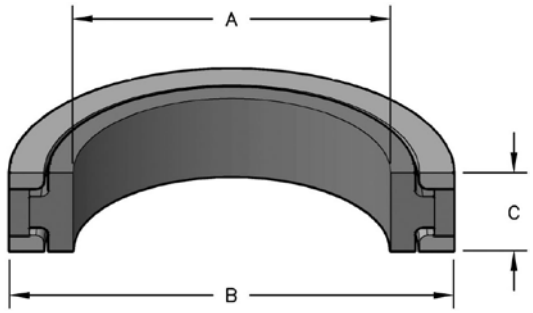
SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBNP-95X2.5X2.5	90	95	2.5
MBNP-100X2.5X2.5	95	100	2.5
MBNP-105X2.5X2.5	100	105	2.5
MBNP-110X3X3	104	110	3
MBNP-110X2.5X2.5	105	110	2.5
MBNP-115X3X3	109	115	3
MBNP-115X2.5X2.5	110	115	2.5
MBNP-120X3X3	114	120	3
MBNP-125X3X3	119	125	3
MBNP-130X3X3	124	130	3
MBNP-135X3X3	129	135	3
MBNP-140X3X3	134	140	3
MBNP-145X3X3	139	145	3
MBNP-150X3X3	144	150	3
MBNP-160X3X3	154	160	3
MBNP-170X3X3	164	170	3
MBNP-180X3X3	174	180	3
MBNP-190X3X3	184	190	3
MBNP-215X3X3	209	215	3

Seal color may vary.

STYLE MCPS FOUR PIECE PISTON SEALS

This capped piston seal consists of a filled PTFE cap, a T-shaped NBR energizer, and two split nylon backup rings. It exhibits low friction, high sealability, and excellent resistance to extrusion and wear.



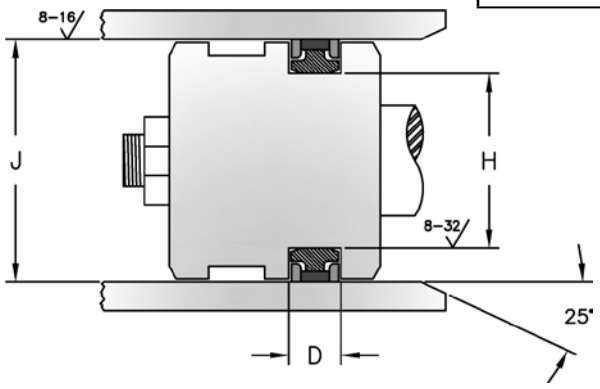
PART NUMBERS

MCPS - 50 X 36 X 8.5

Type of Seal | Bore Diameter | Groove Diameter | Height

BR = BRONZE FILLED PTFE CAP

SEAL INFORMATION	
MATERIAL	PTFE PISTON SEAL NYLON BACK-UP NITRILE ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 6,000 psi
SPEED	4.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MCPS-32X21X7.7	21	32	7.7	8.20 +0.20 +0.00	21.00 +0.000 -0.052	32.00 +0.062 +0.000
MCPS-50X36X8.5	36	50	8.5	9.00 +0.20 +0.00	36.00 +0.000 -0.062	50.00 +0.062 +0.000
MCPS-50X40X7.5	40	50	7.5	8.00 +0.20 +0.00	40.00 +0.000 -0.062	50.00 +0.062 +0.000
MCPS-55X41X8.5	41	55	8.5	9.00 +0.20 +0.00	41.00 +0.000 -0.062	55.00 +0.074 +0.000
MCPS-56X45X8	45	56	8	8.00 +0.20 +0.00	45.00 +0.000 -0.062	56.00 +0.074 +0.000
MCPS-60X46X8.5	46	60	8.5	9.00 +0.20 +0.00	46.00 +0.000 -0.062	60.00 +0.074 +0.000
MCPS-63X48X10.5	48	63	10.5	11.00 +0.20 +0.00	48.00 +0.000 -0.062	63.00 +0.074 +0.000
MCPS-63X53X7.5	53	63	7.5	8.00 +0.20 +0.00	53.00 +0.000 -0.074	63.00 +0.074 +0.000
MCPS-65X50X10.5	50	65	10.5	11.00 +0.20 +0.00	50.00 +0.000 -0.062	65.00 +0.074 +0.000
MCPS-65X51X8.5	51	65	8.5	9.00 +0.20 +0.00	51.00 +0.000 -0.074	65.00 +0.074 +0.000
MCPS-70X55X10.5	55	70	10.5	11.00 +0.20 +0.00	55.00 +0.000 -0.074	70.00 +0.074 +0.000
MCPS-70X55X12	55	70	12	12.50 +0.20 +0.00	55.00 +0.000 -0.074	70.00 +0.074 +0.000
MCPS-70X60X7.5	60	70	7.5	8.00 +0.20 +0.00	60.00 +0.000 -0.074	70.00 +0.074 +0.000
MCPS-75X60X10.5	60	75	10.5	11.00 +0.20 +0.00	60.00 +0.000 -0.074	75.00 +0.074 +0.000
MCPS-75X63X8.6	63	75	8.6	9.10 +0.20 +0.00	63.00 +0.000 -0.074	75.00 +0.074 +0.000

STYLE MCPS FOUR PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MCPS-80X65X10.5	65	80	10.5	11.00 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000
MCPS-80X65X11.5	65	80	11.5	12.00 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000
MCPS-85X70X10.5	70	85	10.5	11.00 +0.20 +0.00	70.00 +0.000 -0.074	85.00 +0.087 +0.000
MCPS-90X75X10.5	75	90	10.5	11.00 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
MCPS-90X75X11.5	75	90	11.5	12.00 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
MCPS-90X75X12.5	75	90	12.5	13.00 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
MCPS-95X80X10.5	80	95	10.5	11.00 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000
MCPS-95X80X12	80	95	12	12.50 +0.20 +0.00	80.00 +0.000 -0.074	95.00 +0.087 +0.000
MCPS-100X85X12	85	100	12	12.50 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000
MCPS-105X90X12	90	105	12	12.50 +0.20 +0.00	90.00 +0.000 -0.087	105.00 +0.087 +0.000
MCPS-110X95X12	95	110	12	12.50 +0.20 +0.00	95.00 +0.000 -0.087	110.00 +0.087 +0.000
MCPS-115X100X12	100	115	12	12.50 +0.20 +0.00	100.00 +0.000 -0.087	115.00 +0.087 +0.000
MCPS-120X100X15.5	100	120	15.5	16.00 +0.20 +0.00	100.00 +0.000 -0.087	120.00 +0.087 +0.000
MCPS-120X105X12	105	120	12	12.50 +0.20 +0.00	105.00 +0.000 -0.087	120.00 +0.087 +0.000
MCPS-125X102X15.5	102	125	15.5	16.00 +0.20 +0.00	102.00 +0.000 -0.087	125.00 +0.10 +0.00
MCPS-125X105X15.5	105	125	15.5	16.00 +0.20 +0.00	105.00 +0.000 -0.087	125.00 +0.10 +0.00
MCPS-125X110X12.5	110	125	12.5	12.50 +0.20 +0.00	110.00 +0.000 -0.087	125.00 +0.10 +0.00
MCPS-130X107X15.5	107	130	15.5	16.00 +0.20 +0.00	107.00 +0.000 -0.087	130.00 +0.10 +0.00
MCPS-130X110X15.5	110	130	15.5	16.00 +0.20 +0.00	110.00 +0.000 -0.087	130.00 +0.10 +0.00
MCPS-130X115X12.5	115	130	12.5	12.50 +0.20 +0.00	115.00 +0.000 -0.087	130.00 +0.10 +0.00
MCPS-135X112X15.5	112	135	15.5	16.00 +0.20 +0.00	112.00 +0.000 -0.087	135.00 +0.10 +0.00
MCPS-140X117X15.5	117	140	15.5	16.00 +0.20 +0.00	117.00 +0.000 -0.087	140.00 +0.10 +0.00
MCPS-140X120X15.5	120	140	15.5	16.00 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00
MCPS-140X120X18.5	120	140	18.5	19.00 +0.20 +0.00	120.00 +0.000 -0.087	140.00 +0.10 +0.00
MCPS-145X122X15.5	122	145	15.5	16.00 +0.20 +0.00	122.00 +0.00 -0.10	145.00 +0.10 +0.00
MCPS-150X127X15.5	127	150	15.5	16.00 +0.20 +0.00	127.00 +0.00 -0.10	150.00 +0.10 +0.00
MCPS-150X130X18.5	130	150	18.5	19.00 +0.20 +0.00	130.00 +0.00 -0.10	150.00 +0.10 +0.00
MCPS-155X132X15.5	132	155	15.5	16.00 +0.20 +0.00	132.00 +0.00 -0.10	155.00 +0.10 +0.00
MCPS-160X137X15.5	137	160	15.5	16.00 +0.20 +0.00	137.00 +0.00 -0.10	160.00 +0.10 +0.00
MCPS-160X140X15.5	140	160	15.5	16.00 +0.20 +0.00	140.00 +0.00 -0.10	160.00 +0.10 +0.00
MCPS-160X140X18.5	140	160	18.5	19.00 +0.20 +0.00	140.00 +0.00 -0.10	160.00 +0.10 +0.00
MCPS-160X145X12.5	145	160	12.5	13.00 +0.20 +0.00	145.00 +0.00 -0.10	160.00 +0.10 +0.00
MCPS-165X142X15.5	142	165	15.5	16.00 +0.20 +0.00	142.00 +0.00 -0.10	165.00 +0.10 +0.00

STYLE MCPS FOUR PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MCPS-170X147X15.5	147	170	15.5	16.00 +0.00 -0.20	147.00 +0.00 -0.10	170.00 +0.10 +0.00
MCPS-175X152X15.5	152	175	15.5	16.00 +0.20 +0.00	152.00 +0.00 -0.10	175.00 +0.10 +0.00
MCPS-180X157X15.5	157	180	15.5	16.00 +0.20 +0.00	157.00 +0.00 -0.10	180.00 +0.10 +0.00
MCPS-180X160X15.5	160	180	15.5	16.00 +0.20 +0.00	160.00 +0.00 -0.10	180.00 +0.10 +0.00
MCPS-180X165X12.5BR	165	180	12	12.50 +0.20 +0.00	165.00 +0.00 -0.10	180.00 +0.10 +0.00
MCPS-185X162X15.5	162	185	15.5	16.00 +0.20 +0.00	162.00 +0.00 -0.10	185.00 +0.115 +0.000
MCPS-190X167X15.5	167	190	15.5	16.00 +0.20 +0.00	167.00 +0.00 -0.10	190.00 +0.115 +0.000
MCPS-190X175X12.5	175	190	12.5	13.00 +0.20 +0.00	175.00 +0.00 -0.10	190.00 +0.115 +0.000
MCPS-195X172X15.5	172	195	15.5	16.00 +0.20 +0.00	172.00 +0.00 -0.10	195.00 +0.115 +0.000
MCPS-200X167X23.3BR	167	200	23.3	23.80 +0.20 +0.00	167.00 +0.00 -0.10	200.00 +0.115 +0.000
MCPS-200X177X15.5BR	177	200	15.5	16.00 +0.20 +0.00	177.00 +0.00 -0.10	200.00 +0.115 +0.000
MCPS-200X180X18.5	180	200	18.5	18.50 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.115 +0.000
MCPS-210X187X15.5	187	210	15.5	16.00 +0.20 +0.00	187.00 +0.000 -0.115	210.00 +0.115 +0.000
MCPS-215X192X15.5BR	192	215	15.5	16.00 +0.20 +0.00	192.00 +0.000 -0.115	215.00 +0.115 +0.000
MCPS-220X197X15.5	197	220	15.5	16.00 +0.20 +0.00	197.00 +0.000 -0.115	220.00 +0.115 +0.000
MCPS-225X202X15.5	202	225	15.5	16.00 +0.20 +0.00	202.00 +0.000 -0.115	225.00 +0.115 +0.000
MCPS-230X207X15.5	207	230	15.5	16.00 +0.20 +0.00	207.00 +0.000 -0.115	230.00 +0.115 +0.000
MCPS-230X210X16	210	230	16	16.00 +0.20 +0.00	210.00 +0.000 -0.115	230.00 +0.115 +0.000
MCPS-240X217X15.5	217	240	15.5	16.00 +0.20 +0.00	217.00 +0.000 -0.115	240.00 +0.115 +0.000
MCPS-250X210X25.5BR	210	250	25.5	26.00 +0.20 +0.00	210.00 +0.000 -0.115	250.00 +0.115 +0.000
MCPS-250X222X17	222	250	17	17.50 +0.20 +0.00	222.00 +0.000 -0.115	250.00 +0.115 +0.000
MCPS-260X232X17	232	260	17	17.50 +0.20 +0.00	232.00 +0.000 -0.115	260.00 +0.13 +0.00
MCPS-260X240X16	240	260	16	16.50 +0.20 +0.00	240.00 +0.000 -0.115	260.00 +0.13 +0.00
MCPS-280X252X17	252	280	17	17.50 +0.20 +0.00	252.00 +0.00 -0.13	280.00 +0.13 +0.00
MCPS-300X260X25.5BR	260	300	25.5	26.00 +0.20 +0.00	260.00 +0.00 -0.13	300.00 +0.13 +0.00
MCPS-300X272X17	272	300	17	17.50 +0.20 +0.00	272.00 +0.00 -0.13	300.00 +0.13 +0.00

REPLACEMENT SPECIFIC PISTON SEALS FOR CATERPILLAR® EQUIPMENT

These seals are specials for certain Caterpillar® cylinders. **NOTE:** Caterpillar® part numbers are used as a reference only. We do not imply that these parts are original equipment parts.

PISTON SEAL TYPE	MATERIAL	TEMPERATURE RANGE	PRESSURE RANGE	
2 PIECE PISTON SEAL	PTFE PISTON SEAL 70A NITRILE ENERGIZER	-40° TO 220° F	0 TO 5,000 PSI	

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-1200890	60	75	7.3	7.50 +0.20 +0.00	60.00 +0.000 -0.074	75.00 +0.074 +0.000

PISTON SEAL TYPE	MATERIAL	TEMPERATURE RANGE	PRESSURE RANGE	
2 PIECE STEP CUT PISTON SEAL	NYLON SEAL 70 A NITRILE ENERGIZER	-40° TO 220° F	0 TO 5,000 PSI	

Part Number	J BORE DIAMETER
CTC-1846970	75.00
CTC-1841687	85.00
CTC-9X7298	100.00
CTC-9X7301	110.00
CTC-9X3589	115.00
CTC-9X3592	120.00
CTC-9X3595	130.00
CTC-2371934	135.00
CTC-9X3598	140.00
CTC-9X3601	150.00
CTC-9X3604	160.00
CTC-9X3607	170.00
CTC-9X3610	180.00
CTC-1251286	190.00
CTC-1723918	210.00
CTC-1921425	220.00
CTC-8C9182	220.00

REPLACEMENT SPECIFIC PISTON SEALS FOR CATERPILLAR® EQUIPMENT

PISTON SEAL TYPE	MATERIAL	TEMPERATURE RANGE	PRESSURE RANGE	
4 PIECE PISTON SEAL	PTFE PISTON SEAL NYLON BACK-UP BUNA-N ENERGIZER	-40° TO +220° F	0 TO 6,000 PSI	

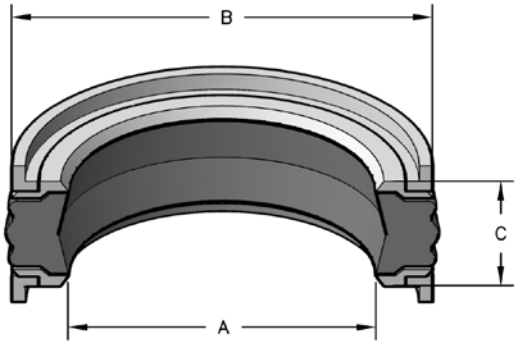
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
CTC-0996998	65	80	10.5	11.00 +0.20 +0.00	65.00 +0.000 -0.074	80.00 +0.074 +0.000
CTC-0996973	75	90	10.5	11.00 +0.20 +0.00	75.00 +0.000 -0.074	90.00 +0.087 +0.000
CTC-5I5928	85	100	12	12.50 +0.20 +0.00	85.00 +0.000 -0.087	100.00 +0.087 +0.000
CTC-0996922	95	110	12	12.50 +0.20 +0.00	95.00 +0.000 -0.087	110.00 +0.087 +0.000
CTC-A04601713	95	110	12	12.50 +0.20 +0.00	95.00 +0.000 -0.087	110.00 +0.087 +0.000
CTC-A04601719	137	160	15.5	16.00 +0.20 +0.00	137.00 +0.00 -0.10	160.00 +0.10 +0.00

PISTON SEAL TYPE	MATERIAL	TEMPERATURE RANGE	PRESSURE RANGE	
5 PIECE PISTON SEAL	70A NBR / FABRIC SEAL PTFE BACK-UP NYLON BEARING	-20° TO 190° F	0 TO 5,000 PSI	

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
CTC-A04601215	96	110	22	22.00	9.95	96.00	101.50	110.00
CTC-A04601216	106	120	22	22.00	9.95	106.00	111.50	120.00

STYLE MPSA FIVE PIECE PISTON SEALS

Designed to fit on one or two piece pistons, this piston seal employs a nitrile seal for high sealability, nylon split back-ups for extrusion resistance, and two split bearing rings. No further support bearings are required.

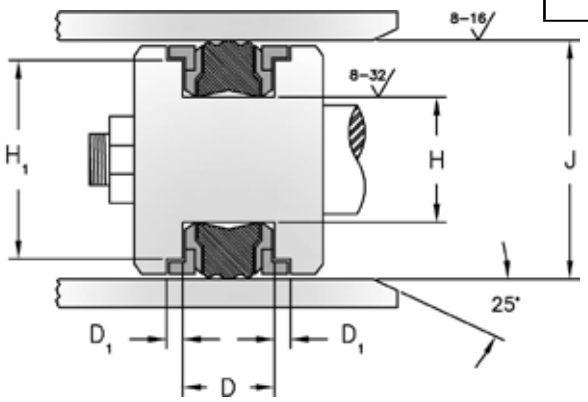


PART NUMBERS

MPSA - 020

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	70A NBR SEAL NYLON BACK-UP & BEARING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 6,000 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-020	11	20	13.5	13.50 +0.20 +0.00	2.10 +0.10 +0.00	11.00 +0.000 -0.043	17.00 +0.000 -0.043	20.00 +0.084 +0.000
MPSA-025	15	25	12.5	12.50 +0.20 +0.00	4.00 +0.10 +0.00	15.00 +0.000 -0.043	22.00 +0.000 -0.052	25.00 +0.084 +0.000
MPSA-025A	15	25	16.4	16.40 +0.20 +0.00	6.35 +0.10 +0.00	15.00 +0.000 -0.043	21.40 +0.000 -0.052	25.00 +0.084 +0.000
MPSA-025B	16	25	13.5	13.50 +0.20 +0.00	2.10 +0.10 +0.00	16.00 +0.000 -0.043	22.00 +0.000 -0.052	25.00 +0.084 +0.000
MPSA-028	19	28	13.5	13.50 +0.20 +0.00	2.10 +0.10 +0.00	19.00 +0.000 -0.052	25.00 +0.000 -0.052	28.00 +0.084 +0.000
MPSA-030A	21	30	13.5	13.50 +0.20 +0.00	2.10 +0.10 +0.00	21.00 +0.000 -0.052	27.00 +0.000 -0.052	30.00 +0.084 +0.000
MPSA-032A	22	32	12.5	12.50 +0.20 +0.00	4.00 +0.10 +0.00	22.00 +0.000 -0.052	27.40 +0.000 -0.052	32.00 +0.10 +0.00
MPSA-032C	22	32	15.5	15.50 +0.20 +0.00	2.60 +0.10 +0.00	22.00 +0.000 -0.052	28.00 +0.000 -0.052	32.00 +0.10 +0.00
MPSA-032	22	32	16.3	16.30 +0.20 +0.00	6.35 +0.10 +0.00	22.00 +0.000 -0.052	28.50 -1.00 -0.05	32.00 +0.10 +0.00
MPSA-032D	24	32	15.5	15.50 +0.20 +0.00	3.20 +0.10 +0.00	24.00 +0.000 -0.052	28.00 +0.000 -0.052	32.00 +0.10 +0.00
MPSA-035A	25	35	15.5	15.50 +0.20 +0.00	2.60 +0.10 +0.00	25.00 +0.000 -0.052	31.00 +0.000 -0.062	35.00 +0.10 +0.00
MPSA-035	25	35	16.4	16.40 +0.20 +0.00	6.35 +0.10 +0.00	25.00 +0.000 -0.052	31.40 +0.000 -0.062	35.00 +0.10 +0.00
MPSA-040D	26	40	15.5	15.50 +0.20 +0.00	2.60 +0.10 +0.00	26.00 +0.000 -0.052	36.00 +0.000 -0.062	40.00 +0.10 +0.00
MPSA-040F	30	40	12.5	12.50 +0.20 +0.00	4.00 +0.10 +0.00	30.00 +0.000 -0.052	37.00 +0.000 -0.062	40.00 +0.10 +0.00
MPSA-040E	30	40	16.4	16.40 +0.20 +0.00	6.35 +0.10 +0.00	30.00 +0.000 -0.052	35.40 +0.000 -0.062	40.00 +0.10 +0.00

STYLE MPSA FIVE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-040H	32	40	10	10.00 +0.20 +0.00	4.00 +0.10 +0.00	32.00 +0.000 -0.062	37.00 +0.000 -0.062	40.00 +0.10 +0.00
MPSA-040G	32	40	15.5	15.50 +0.20 +0.00	3.20 +0.10 +0.00	32.00 +0.000 -0.062	36.00 +0.000 -0.062	40.00 +0.10 +0.00
MPSA-045A	29	45	18.4	18.40 +0.20 +0.00	6.35 +0.10 +0.00	29.00 +0.000 -0.052	40.40 +0.000 -0.062	45.00 +0.10 +0.00
MPSA-045B	31	45	15.5	15.50 +0.20 +0.00	2.60 +0.10 +0.00	31.00 +0.000 -0.062	41.00 +0.000 -0.062	45.00 +0.10 +0.00
MPSA-045	35	45	16.4	16.40 +0.20 +0.00	6.35 +0.10 +0.00	35.00 +0.000 -0.062	40.40 +0.000 -0.062	45.00 +0.10 +0.00
MPSA-050	34	50	18.4	18.40 +0.20 +0.00	6.35 +0.10 +0.00	34.00 +0.000 -0.062	45.40 +0.000 -0.062	50.00 +0.10 +0.00
MPSA-050D	34	50	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	34.00 +0.000 -0.062	46.00 +0.000 -0.062	50.00 +0.10 +0.00
MPSA-050A	38	50	20.5	20.50 +0.20 +0.00	4.20 +0.10 +0.00	38.00 +0.000 -0.062	46.00 +0.000 -0.062	50.00 +0.10 +0.00
MPSA-050B	40	50	12.5	12.50 +0.20 +0.00	4.00 +0.10 +0.00	40.00 +0.000 -0.062	47.00 +0.000 -0.062	50.00 +0.10 +0.00
MPSA-055	39	55	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	39.00 +0.000 -0.062	50.40 +0.000 -0.074	55.00 +0.12 +0.00
MPSA-055B	39	55	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	39.00 +0.000 -0.062	51.00 +0.000 -0.074	55.00 +0.12 +0.00
MPSA-060	44	60	18.4	18.40 +0.20 +0.00	6.35 +0.10 +0.00	44.00 +0.000 -0.062	55.40 +0.000 -0.074	60.00 +0.12 +0.00
MPSA-060C	44	60	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	44.00 +0.000 -0.062	56.00 +0.000 -0.074	60.00 +0.12 +0.00
MPSA-060B	48	60	20.5	20.50 +0.20 +0.00	4.20 +0.10 +0.00	48.00 +0.000 -0.062	56.00 +0.000 -0.074	60.00 +0.12 +0.00
MPSA-063E	47	63	18.4	18.40 +0.20 +0.00	6.35 +0.10 +0.00	47.00 +0.000 -0.062	58.40 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-063	47	63	19.4	19.40 +0.20 +0.00	6.35 +0.10 +0.00	47.00 +0.000 -0.062	58.40 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-063C	47	63	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	47.00 +0.000 -0.062	59.00 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-063A	51	63	20.15	20.15 +0.20 +0.00	4.20 +0.10 +0.00	51.00 +0.000 -0.074	59.00 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-063B	53	63	12.5	12.50 +0.20 +0.00	4.00 +0.10 +0.00	53.00 +0.000 -0.074	60.00 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-065A	49	65	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	49.00 +0.000 -0.062	61.00 +0.000 -0.074	65.00 +0.12 +0.00
MPSA-065	50	65	18.4	18.40 +0.20 +0.00	6.35 +0.10 +0.00	50.00 +0.000 -0.062	60.40 +0.000 -0.074	65.00 +0.12 +0.00
MPSA-070	50	70	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	50.00 +0.000 -0.062	64.20 +0.000 -0.074	70.00 +0.12 +0.00
MPSA-070B	54	70	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	54.00 +0.000 -0.074	66.00 +0.000 -0.074	70.00 +0.12 +0.00
MPSA-070C	55	70	20	20.00 +0.20 +0.00	5.00 +0.10 +0.00	55.00 +0.000 -0.074	66.00 +0.000 -0.074	70.00 +0.12 +0.00
MPSA-070A	58	70	20.15	20.15 +0.20 +0.00	4.20 +0.10 +0.00	58.00 +0.000 -0.074	66.00 +0.000 -0.074	70.00 +0.12 +0.00
MPSA-075	55	75	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	55.00 +0.000 -0.074	69.20 +0.000 -0.074	75.00 +0.12 +0.00
MPSA-075A	59	75	20.5	20.50 +0.20 +0.00	3.10 +0.10 +0.00	59.00 +0.000 -0.074	71.00 +0.000 -0.074	75.00 +0.12 +0.00
MPSA-080	60	80	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	60.00 +0.000 -0.074	74.20 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-080D	60	80	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	60.00 +0.000 -0.074	75.00 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-080C	62	80	22.5	22.50 +0.20 +0.00	3.60 +0.10 +0.00	62.00 +0.000 -0.074	76.00 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-080B	65	80	20	20.00 +0.20 +0.00	5.00 +0.10 +0.00	65.00 +0.000 -0.074	76.00 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-080A	66	80	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	66.00 +0.000 -0.074	76.00 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-085	65	85	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	65.00 +0.000 -0.074	79.20 +0.000 -0.074	85.00 +0.14 +0.00

STYLE MPSA FIVE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-090	70	90	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	70.00 +0.000 -0.074	84.20 +0.000 -0.087	90.00 +0.14 +0.00
MPSA-090C	72	90	22.5	22.50 +0.20 +0.00	3.60 +0.10 +0.00	72.00 +0.000 -0.074	86.00 +0.000 -0.087	90.00 +0.14 +0.00
MPSA-090B	76	90	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	76.00 +0.000 -0.074	86.00 +0.000 -0.087	90.00 +0.14 +0.00
MPSA-092	82	92	12.5	12.50 +0.20 +0.00	6.35 +0.10 +0.00	82.00 +0.000 -0.087	88.00 +0.000 -0.087	92.00 +0.14 +0.00
MPSA-095	75	95	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	75.00 +0.000 -0.074	89.15 +0.000 -0.087	95.00 +0.14 +0.00
MPSA-100	75	100	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	75.00 +0.000 -0.074	93.20 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-100B	80	100	25	25.00 +0.20 +0.00	6.30 +0.10 +0.00	80.00 +0.000 -0.074	94.15 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-100E	82	100	22.5	22.50 +0.20 +0.00	3.60 +0.10 +0.00	82.00 +0.000 -0.087	96.00 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-100A	85	100	20	20.00 +0.35 +0.10	5.00 +0.10 +0.00	85.00 +0.000 -0.087	96.00 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-100F	86	100	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	86.00 +0.000 -0.087	96.00 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-105	80	105	22.5	22.50 +0.20 +0.00	6.35 +0.10 +0.00	80.00 +0.000 -0.074	98.10 +0.000 -0.087	105.00 +0.14 +0.00
MPSA-105A	92.5	105	14.3	14.30 +0.20 +0.00	6.35 +0.10 +0.00	92.50 +0.000 -0.087	98.80 +0.000 -0.087	105.00 +0.14 +0.00
MPSA-110	85	110	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	85.00 +0.000 -0.087	103.10 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-110A	85	110	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	85.00 +0.000 -0.087	103.00 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-110C	90	110	25.3	25.30 +0.20 +0.00	6.40 +0.10 +0.00	90.00 +0.000 -0.087	104.10 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-110D	92	110	22.5	22.50 +0.20 +0.00	3.60 +0.10 +0.00	92.00 +0.000 -0.087	106.00 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-110E	95	110	20	20.00 +0.20 +0.00	5.00 +0.10 +0.00	95.00 +0.000 -0.087	105.00 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-110B	96	110	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	96.00 +0.000 -0.087	106.00 +0.000 -0.087	110.00 +0.14 +0.00
MPSA-115	90	115	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	90.00 +0.000 -0.087	108.10 +0.000 -0.087	115.00 +0.14 +0.00
MPSA-115B	97	115	22.5	22.50 +0.20 +0.00	3.60 +0.10 +0.00	97.00 +0.000 -0.087	111.00 +0.000 -0.087	115.00 +0.14 +0.00
MPSA-120	95	120	22.4	22.40 +0.20 +0.00	6.35 +0.10 +0.00	95.00 +0.000 -0.087	113.10 +0.000 -0.087	120.00 +0.14 +0.00
MPSA-120B	106	120	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	106.00 +0.000 -0.087	116.00 +0.000 -0.087	120.00 +0.14 +0.00
MPSA-125	100	125	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	100.00 +0.000 -0.087	118.00 +0.000 -0.087	125.00 +0.16 +0.00
MPSA-125G	100	125	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	100.00 +0.000 -0.087	116.80 +0.000 -0.087	125.00 +0.16 +0.00
MPSA-125E	103	125	26.5	26.50 +0.20 +0.00	5.10 +0.10 +0.00	103.00 +0.000 -0.087	121.00 +0.00 -0.10	125.00 +0.16 +0.00
MPSA-125A	105	125	25	25.00 +0.35 +0.10	6.30 +0.10 +0.00	105.00 +0.000 -0.087	120.00 +0.000 -0.087	125.00 +0.16 +0.00
MPSA-125F	108	125	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	108.00 +0.000 -0.087	121.00 +0.00 -0.10	125.00 +0.16 +0.00
MPSA-130	105	130	25.4	25.40 +0.20 +0.00	9.52 +0.10 +0.00	105.00 +0.000 -0.087	122.60 +0.00 -0.10	130.00 +0.16 +0.00
MPSA-135	110	135	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	110.00 +0.000 -0.087	128.10 +0.00 -0.10	135.00 +0.16 +0.00
MPSA-140	115	140	25.4	25.40 +0.20 +0.00	9.52 +0.10 +0.00	115.00 +0.000 -0.087	132.60 +0.00 -0.10	140.00 +0.16 +0.00
MPSA-140B	115	140	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	115.00 +0.000 -0.087	133.00 +0.00 -0.10	140.00 +0.16 +0.00
MPSA-140A	115	140	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	115.00 +0.000 -0.087	131.70 +0.00 -0.10	140.00 +0.16 +0.00
MPSA-140E	118	140	26.5	26.50 +0.20 +0.00	5.10 +0.10 +0.00	118.00 +0.000 -0.087	136.00 +0.00 -0.10	140.00 +0.16 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPSA FIVE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-140C	120	140	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	120.00 +0.000 -0.087	135.00 +0.00 -0.10	140.00 +0.16 +0.00
MPSA-140F	123	140	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	123.00 +0.00 -0.10	136.00 +0.00 -0.10	140.00 +0.16 +0.00
MPSA-145	120	145	25.4	25.40 +0.20 +0.00	9.52 +0.10 +0.00	120.00 +0.000 -0.087	137.60 +0.00 -0.10	145.00 +0.16 +0.00
MPSA-150	125	150	25.4	25.40 +0.20 +0.00	9.52 +0.10 +0.00	125.00 +0.00 -0.10	142.60 +0.00 -0.10	150.00 +0.16 +0.00
MPSA-150D	125	150	25.5	25.50 +0.20 +0.00	6.35 +0.10 +0.00	125.00 +0.00 -0.10	143.00 +0.00 -0.10	150.00 +0.16 +0.00
MPSA-150A	125	150	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	125.00 +0.00 -0.10	141.70 +0.00 -0.10	150.00 +0.16 +0.00
MPSA-150B	128	150	26.5	26.50 +0.20 +0.00	5.10 +0.10 +0.00	128.00 +0.00 -0.10	146.00 +0.00 -0.10	150.00 +0.16 +0.00
MPSA-150C	133	150	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	133.00 +0.00 -0.10	146.00 +0.00 -0.10	150.00 +0.16 +0.00
MPSA-160A	130	160	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	130.00 +0.00 -0.10	153.00 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-160F	130	160	25.4	25.40 +0.20 +0.00	9.50 +0.10 +0.00	130.00 +0.00 -0.10	152.60 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-160	135	160	25.4	25.40 +0.20 +0.00	9.50 +0.10 +0.00	135.00 +0.00 -0.10	152.60 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-160H	135	160	32	32.00 +0.20 +0.00	10.00 +0.10 +0.00	135.00 +0.00 -0.10	154.00 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-160D	138	160	26.5	26.50 +0.20 +0.00	5.10 +0.10 +0.00	138.00 +0.00 -0.10	156.00 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-160B	140	160	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	140.00 +0.00 -0.10	155.00 +0.00 -0.10	160.00 +0.16 +0.00
MPSA-165A	140	165	25.3	25.30 +0.20 +0.00	9.50 +0.10 +0.00	140.00 +0.00 -0.10	157.60 +0.00 -0.10	165.00 +0.16 +0.00
MPSA-170A	140	170	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	140.00 +0.00 -0.10	163.00 +0.00 -0.10	170.00 +0.16 +0.00
MPSA-170	145	170	25.3	25.30 +0.20 +0.00	12.70 +0.10 +0.00	145.00 +0.00 -0.10	161.70 +0.00 -0.10	170.00 +0.16 +0.00
MPSA-175B	150	175	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	150.00 +0.00 -0.10	166.70 +0.00 -0.10	175.00 +0.16 +0.00
MPSA-180A	150	180	35.4	35.40 +0.20 +0.00	6.35 +0.10 +0.00	150.00 +0.00 -0.10	173.00 +0.00 -0.10	180.00 +0.16 +0.00
MPSA-180	155	180	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	155.00 +0.00 -0.10	171.70 +0.00 -0.10	180.00 +0.16 +0.00
MPSA-180B	158	180	26.5	26.50 +0.20 +0.00	5.10 +0.10 +0.00	158.00 +0.00 -0.10	176.00 +0.00 -0.10	180.00 +0.16 +0.00
MPSA-180C	163	180	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	163.00 +0.00 -0.10	176.00 +0.00 -0.10	180.00 +0.16 +0.00
MPSA-185	160	185	25.3	25.30 +0.20 +0.00	12.70 +0.10 +0.00	160.00 +0.00 -0.10	176.70 +0.00 -0.10	185.00 +0.185 +0.000
MPSA-190	165	190	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	165.00 +0.00 -0.10	181.70 +0.000 -0.115	190.00 +0.185 +0.000
MPSA-195	170	195	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	170.00 +0.00 -0.10	187.10 +0.000 -0.115	195.00 +0.185 +0.000
MPSA-200A	170	200	35.4	35.40 +0.20 +0.00	6.35 +0.10 +0.00	170.00 +0.00 -0.10	193.00 +0.000 -0.115	200.00 +0.185 +0.000
MPSA-200D	170	200	36	36.00 +0.20 +0.00	12.70 +0.10 +0.00	170.00 +0.00 -0.10	193.00 +0.000 -0.115	200.00 +0.185 +0.000
MPSA-200	175	200	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	175.00 +0.00 -0.10	191.60 +0.000 -0.115	200.00 +0.185 +0.000
MPSA-200B	175	200	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	175.00 +0.00 -0.10	191.60 +0.000 -0.115	200.00 +0.185 +0.000
MPSA-200F	180	200	31.5	31.50 +0.20 +0.00	9.20 +0.10 +0.00	180.00 +0.00 -0.10	196.00 +0.000 -0.115	200.00 +0.185 +0.000
MPSA-210	185	210	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	185.00 +0.000 -0.115	201.60 +0.000 -0.115	210.00 +0.185 +0.000
MPSA-220A	195	220	25.7	25.70 +0.20 +0.00	12.70 +0.10 +0.00	195.00 +0.000 -0.115	211.60 +0.000 -0.115	220.00 +0.185 +0.000
MPSA-225	200	225	25.4	25.40 +0.20 +0.00	12.70 +0.10 +0.00	200.00 +0.000 -0.115	216.60 +0.000 -0.115	225.00 +0.185 +0.000

STYLE MPSA FIVE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-230	205	230	25.3	25.30 +0.20 +0.00	12.70 +0.10 +0.00	205.00 +0.000 -0.115	221.60 +0.000 -0.115	230.00 +0.185 +0.000
MPSA-240	215	240	25.3	25.30 +0.20 +0.00	12.70 +0.10 +0.00	215.00 +0.000 -0.115	231.60 +0.000 -0.115	240.00 +0.185 +0.000
MPSA-250C	220	250	35.3	35.30 +0.20 +0.00	6.40 +0.10 +0.00	220.00 +0.000 -0.115	243.00 +0.000 -0.115	250.00 +0.185 +0.000
MPSA-250D	225	250	25.3	25.30 +0.20 +0.00	12.70 +0.10 +0.00	225.00 +0.000 -0.115	241.60 +0.000 -0.115	250.00 +0.185 +0.000
MPSA-250A	225	250	31.5	31.50 +0.20 +0.00	6.60 +0.10 +0.00	225.00 +0.000 -0.115	246.00 +0.000 -0.115	250.00 +0.185 +0.000
MPSA-250B	230	250	31.5	31.50 +0.20 +0.00	9.20 +0.10 +0.00	230.00 +0.000 -0.115	246.00 +0.000 -0.072	250.00 +0.185 +0.000
MPSA-260	235	260	35.1	35.10 +0.20 +0.00	12.70 +0.10 +0.00	235.00 +0.000 -0.115	252.90 +0.00 -0.13	260.00 +0.21 +0.00
MPSA-280	250	280	36.3	36.30 +0.20 +0.00	10.00 +0.10 +0.00	250.00 +0.000 -0.115	273.00 +0.00 -0.13	280.00 +0.21 +0.00

Seal color may vary.

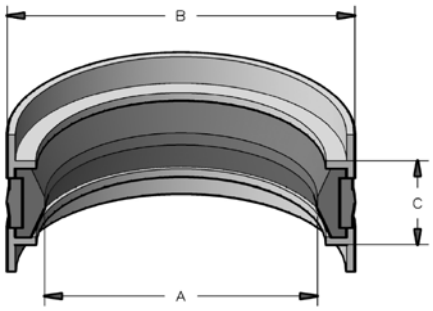
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MPSB THREE PIECE PISTON SEALS

Incorporating a nitrile / fabric seal with two split bearings, this assembly affords low friction and high strength for one or two piece pistons.

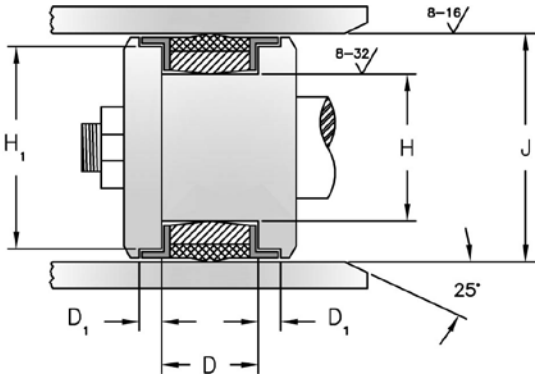


PART NUMBERS

MPSB - 032B

Type of Seal / Bore Diameter

SEAL INFORMATION	
MATERIAL	70A NBR / FABRIC SEAL OD 70A NBR SEAL ID ACETAL BEARING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

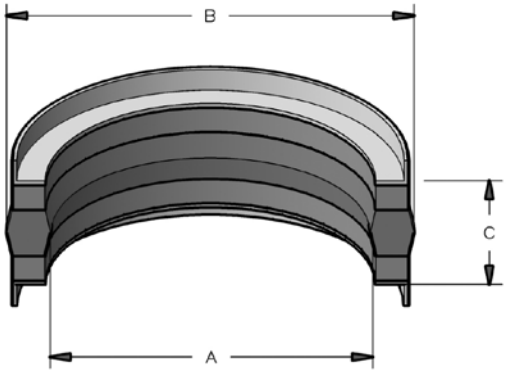


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSB-032B	24	32	10	10.00 +0.20 +0.00	3.20 +0.10 +0.00	24.00 +0.000 -0.052	29.00 +0.000 -0.052	32.00 +0.10 +0.00
MPSB-050A	38	50	20.5	20.50 +0.20 +0.00	4.20 +0.10 +0.00	38.00 +0.000 -0.062	46.00 +0.000 -0.062	50.00 +0.10 +0.00
MPSB-060B	48	60	20.5	20.50 +0.20 +0.00	4.20 +0.10 +0.00	48.00 +0.000 -0.062	56.00 +0.000 -0.074	60.00 +0.12 +0.00
MPSB-070	58	70	20.5	20.50 +0.20 +0.00	4.20 +0.10 +0.00	58.00 +0.000 -0.074	66.00 +0.000 -0.074	70.00 +0.12 +0.00
MPSB-080	66	80	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	66.00 +0.000 -0.074	76.00 +0.000 -0.074	80.00 +0.12 +0.00
MPSB-090B	76	90	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	76.00 +0.000 -0.074	86.00 +0.000 -0.087	90.00 +0.14 +0.00
MPSB-100F	86	100	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	86.00 +0.000 -0.087	96.00 +0.000 -0.087	100.00 +0.14 +0.00
MPSB-110B	96	110	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	96.00 +0.000 -0.087	106.00 +0.000 -0.087	110.00 +0.14 +0.00
MPSB-120B	106	120	22.5	22.50 +0.20 +0.00	5.20 +0.10 +0.00	106.00 +0.000 -0.087	116.00 +0.000 -0.087	120.00 +0.14 +0.00
MPSB-125F	108	125	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	108.00 +0.000 -0.087	121.00 +0.00 -0.10	125.00 +0.16 +0.00
MPSB-150	133	150	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	133.00 +0.00 -0.10	146.00 +0.00 -0.10	150.00 +0.16 +0.00
MPSB-160	143	160	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	143.00 +0.00 -0.10	156.00 +0.00 -0.10	160.00 +0.16 +0.00
MPSB-180	163	180	26.5	26.50 +0.20 +0.00	7.20 +0.10 +0.00	163.00 +0.00 -0.10	176.00 +0.00 -0.10	180.00 +0.16 +0.00

Seal color may vary.

STYLE MPSA-58 THREE PIECE PISTON SEALS

This style is designed for two piece pistons. The seal is a molded Nitrile rubber element with bonded rubberized fabric reinforcements and two anti-extrusion polyacetal bearings.

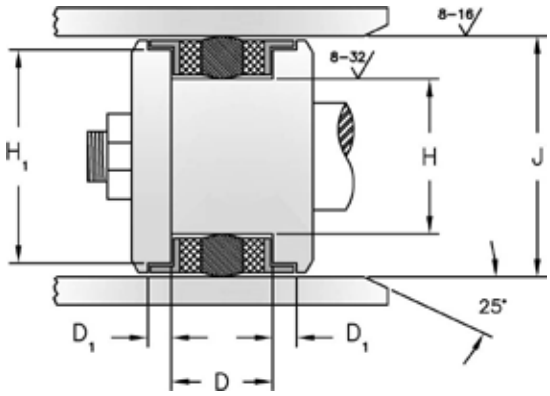


PART NUMBERS

MPSA-58 - 040

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	70A NBR / FABRIC SEAL ACETAL BEARING / BACK-UP
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC



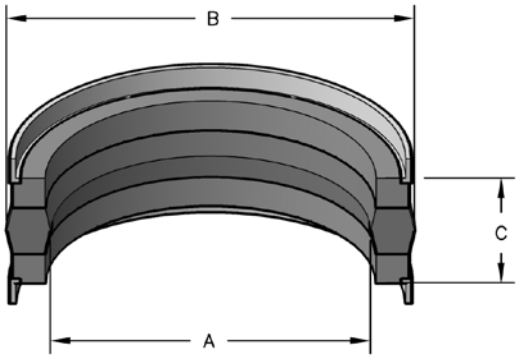
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-58-040	25	40	24	24.00 +0.20 +0.00	6.00 +0.10 +0.00	25.00 ±0.065	34.80 ±0.05	40.00 +0.16 +0.00
MPSA-58-050A	35	50	24	24.00 +0.20 +0.00	6.00 +0.10 +0.00	35.00 ±0.08	44.80 ±0.05	50.00 +0.16 +0.00
MPSA-58-055	40	55	24	24.00 +0.20 +0.00	5.90 +0.10 +0.00	40.00 ±0.08	49.80 ±0.05	55.00 +0.19 +0.00
MPSA-58-060	40	60	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	40.00 ±0.08	53.80 ±0.05	60.00 +0.19 +0.00
MPSA-58-063B	48	63	24	24.00 +0.20 +0.00	6.00 +0.10 +0.00	48.00 ±0.08	57.80 ±0.05	63.00 +0.19 +0.00
MPSA-58-070	50	70	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	50.00 ±0.08	63.80 ±0.05	70.00 +0.19 +0.00
MPSA-58-080A	60	80	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	60.00 ±0.095	73.80 ±0.05	80.00 +0.19 +0.00
MPSA-58-090A	70	90	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	70.00 ±0.095	83.80 ±0.05	90.00 +0.22 +0.00
MPSA-58-100	80	100	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	80.00 ±0.095	93.80 ±0.05	100.00 +0.22 +0.00
MPSA-58-110	90	110	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	90.00 ±0.11	103.80 ±0.05	110.00 +0.22 +0.00
MPSA-58-120	100	120	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	100.00 ±0.11	113.80 ±0.05	120.00 +0.22 +0.00
MPSA-58-125A	100	125	38	38.00 +0.20 +0.00	9.50 +0.10 +0.00	100.00 ±0.11	118.80 ±0.05	125.00 +0.25 +0.00
MPSA-58-140	120	140	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	120.00 ±0.11	133.80 ±0.05	140.00 +0.25 +0.00
MPSA-58-150	120	150	44	44.00 +0.20 +0.00	9.50 +0.10 +0.00	120.00 ±0.11	143.90 ±0.05	150.00 +0.25 +0.00

STYLE MPSA-58 THREE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-58-160C	140	160	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	140.00 ±0.125	153.90 ±0.05	160.00 +0.25 +0.00
MPSA-58-160A	140	160	31	31.00 +0.20 +0.00	7.00 +0.10 +0.00	140.00 ±0.125	153.90 ±0.05	160.00 +0.25 +0.00
MPSA-58-190	160	190	44	44.00 +0.20 +0.00	8.50 +0.10 +0.00	160.00 ±0.125	183.90 ±0.05	190.00 +0.29 +0.00
MPSA-58-200	170	200	35.4	35.40 +0.20 +0.00	6.35 +0.10 +0.00	170.00 ±0.125	193.00 ±0.05	200.00 +0.29 +0.00
MPSA-58-220	200	220	31.5	31.50 +0.20 +0.00	9.50 +0.10 +0.00	200.00 ±0.145	216.00 ±0.05	220.00 +0.29 +0.00

STYLE MPSA-59 THREE PIECE PISTON SEALS

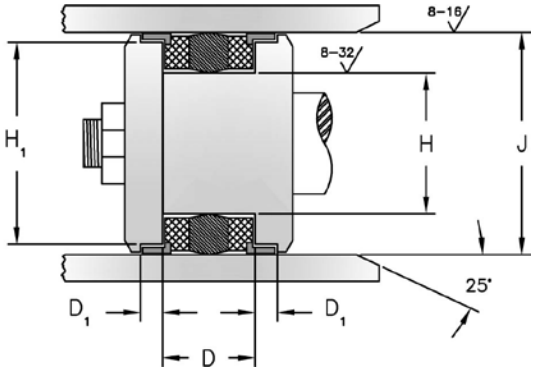
This style is designed for two piece pistons. The seal is a molded Nitrile rubber element with bonded rubberized fabric reinforcements and two anti-extrusion polyacetal bearings.



PART NUMBERS

MPSA-59 - 030

Type of Seal / Bore Diameter



SEAL INFORMATION	
MATERIAL	70A NBR / FABRIC SEAL ACETAL BEARING / BACK-UP
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-59-030	17	30	15.4	15.40 +0.20 +0.00	6.35 +0.10 +0.00	17.00 ±0.055	26.50 ±0.05	30.00 +0.13 +0.00
MPSA-59-040	24	40	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	24.00 ±0.065	35.40 ±0.05	40.00 +0.16 +0.00
MPSA-59-050	34	50	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	34.00 ±0.08	45.40 ±0.05	50.00 +0.16 +0.00
MPSA-59-055	39	55	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	39.00 ±0.08	50.40 ±0.05	55.00 +0.19 +0.00
MPSA-59-060	44	60	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	44.00 ±0.08	55.40 ±0.05	60.00 +0.19 +0.00
MPSA-59-060A	44	60	20	20.00 +0.20 +0.00	6.35 +0.10 +0.00	44.00 ±0.08	56.00 ±0.05	60.00 +0.19 +0.00
MPSA-59-063	47	63	19.4	19.40 +0.20 +0.00	6.40 +0.10 +0.00	47.00 ±0.08	58.40 ±0.05	63.00 +0.19 +0.00
MPSA-59-065	50	65	18.4	18.40 +0.20 +0.00	6.40 +0.10 +0.00	50.00 ±0.08	60.40 ±0.05	65.00 +0.19 +0.00
MPSA-59-070	50	70	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	50.00 ±0.08	64.15 ±0.05	70.00 +0.19 +0.00
MPSA-59-070A	50	70	25	25.00 +0.20 +0.00	6.35 +0.10 +0.00	50.00 ±0.08	64.20 ±0.05	70.00 +0.19 +0.00
MPSA-59-075	55	75	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	55.00 ±0.095	69.20 ±0.05	75.00 +0.19 +0.00
MPSA-59-080	60	80	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	60.00 ±0.095	74.20 ±0.05	80.00 +0.19 +0.00
MPSA-59-080A	60	80	31.4	31.40 +0.20 +0.00	6.40 +0.10 +0.00	60.00 ±0.095	74.20 ±0.05	80.00 +0.19 +0.00
MPSA-59-085	65	85	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	65.00 ±0.095	79.20 ±0.05	85.00 +0.22 +0.00
MPSA-59-090	70	90	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	70.00 ±0.095	84.20 ±0.05	90.00 +0.22 +0.00
MPSA-59-100A	75	100	22.4	22.40 +0.20 +0.00	6.40 +0.10 +0.00	75.00 ±0.095	93.10 ±0.05	100.00 +0.22 +0.00

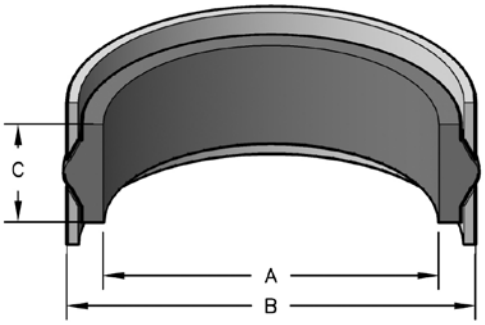
STYLE MPSA-59 THREE PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-59-100	80	100	25.4	25.40 +0.20 +0.00	6.40 +0.10 +0.00	80.00 ±0.095	94.20 ±0.05	100.00 +0.22 +0.00
MPSA-59-110	90	110	25.4	25.40 +0.20 +0.00	6.40 +0.10 +0.00	90.00 ±0.11	104.10 ±0.05	110.00 +0.22 +0.00
MPSA-59-120	100	120	25.4	25.40 +0.20 +0.00	6.40 +0.10 +0.00	100.00 ±0.11	114.10 ±0.05	120.00 +0.22 +0.00
MPSA-59-125	100	125	25.4	25.40 +0.20 +0.00	6.45 +0.10 +0.00	100.00 ±0.11	118.10 ±0.05	125.00 +0.25 +0.00
MPSA-59-125A	100	125	32.4	32.40 +0.20 +0.00	6.35 +0.10 +0.00	100.00 ±0.11	118.10 ±0.05	125.00 +0.25 +0.00
MPSA-59-130	105	130	25.4	25.40 +0.20 +0.00	6.40 +0.10 +0.00	105.00 ±0.11	123.10 ±0.05	130.00 +0.25 +0.00
MPSA-59-140	115	140	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	115.00 ±0.11	133.00 ±0.05	140.00 +0.25 +0.00
MPSA-59-145	120	145	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	120.00 ±0.11	138.30 ±0.05	145.00 +0.25 +0.00
MPSA-59-160	130	160	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	130.00 ±0.125	153.00 ±0.05	160.00 +0.25 +0.00
MPSA-59-170	140	170	25.4	25.40 +0.20 +0.00	6.35 +0.10 +0.00	140.00 ±0.125	163.00 ±0.05	170.00 +0.25 +0.00
MPSA-59-180	160	180	31.4	31.40 +0.20 +0.00	6.35 +0.10 +0.00	160.00 ±0.125	173.00 ±0.05	180.00 +0.25 +0.00

Seal color may vary.

STYLE MPSA-65 THREE PIECE PISTON SEALS

Consisting of a nitrile seal and two split acetal bearing, this assembly is used in light duty applications and can be installed on one or two piece pistons.

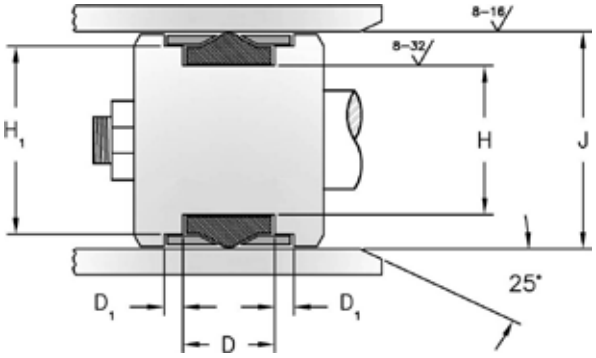


PART NUMBERS

MPSA-65 - 025

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	NITRILE SEAL ACETAL BEARING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	1.5 FT/SEC

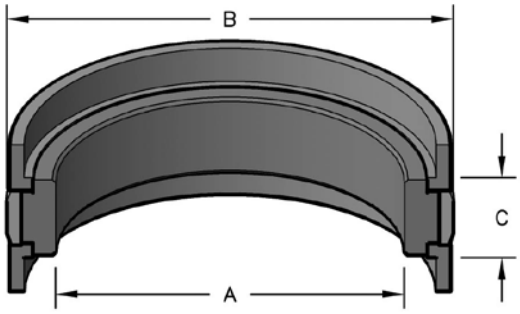


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-65-025	17.5	25	8.5	8.50	3.25 +0.10 +0.00	17.50 +0.000 -0.043	21.30 +0.000 -0.052	25.00 +0.084 +0.000
MPSA-65-040	30	40	11	11.00	4.00 +0.10 +0.00	30.00 +0.000 -0.052	35.50 +0.000 -0.062	40.00 +0.10 +0.00
MPSA-65-050	40	50	11	11.00	4.00 +0.10 +0.00	40.00 +0.000 -0.062	45.50 +0.000 -0.062	50.00 +0.10 +0.00
MPSA-65-063	53	63	11	11.00	4.00 +0.10 +0.00	53.00 +0.000 -0.074	58.50 +0.000 -0.074	63.00 +0.12 +0.00
MPSA-65-080	70	80	11	11.00	4.00 +0.10 +0.00	70.00 +0.000 -0.074	75.50 +0.000 -0.074	80.00 +0.12 +0.00
MPSA-65-100	87	100	14	14.00	6.00 +0.10 +0.00	87.00 +0.000 -0.087	93.80 +0.000 -0.087	100.00 +0.14 +0.00
MPSA-65-125	112	125	14	14.00	6.00 +0.10 +0.00	112.00 +0.000 -0.087	118.80 +0.000 -0.087	125.00 +0.16 +0.00
MPSA-65-125B	112	125	14	14.00	6.00 +0.10 +0.00	112.00 +0.000 -0.087	107.40 +0.000 -0.087	125.00 +0.16 +0.00

Seal color may vary.

STYLE MPSA-750 FOUR PIECE PISTON SEALS

This four piece double acting piston seal contains a nitrile energizer behind a tough, wear-resistant 55D thermoplastic polyester elastomer (TPE) cap ring. It also includes two L-shaped split polyacetal anti-extrusion rings/bearings. The MPSA-750 design has high shock load and high pressure capabilities and is suitable for both roller-burnished and honed tubing. Sealing materials are suitable for mineral oils and HFA (High Water Content) fluids as used in longwall mining equipment.

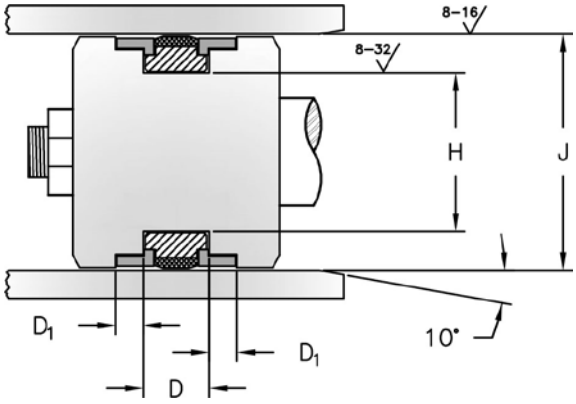


PART NUMBERS

MPSA-750 - 025

Type of Seal — Bore Diameter

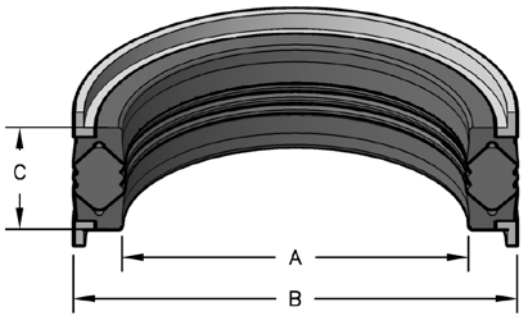
SEAL INFORMATION	
MATERIAL	55D TPE CAP, NITRILE ENERGIZER, POLYACETAL ANTI-EXTRUSION RINGS
TEMPERATURE RANGE	-22° TO +212° F +32 TO +140 F (HFA)
PRESSURE RANGE	0 TO 7,500 PSI
SPEED	1.0 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MPSA-750-125	105	125	16	16.00 +0.40 +0.00	6.45 +0.10 +0.00	105.00 +0.00 -0.14	125.00 +0.25 +0.00
MPSA-750-150	130	150	16	16.00 +0.40 +0.00	6.45 +0.10 +0.00	130.00 +0.00 -0.16	150.00 +0.25 +0.00
MPSA-750-320	290	320	30	30.00 +0.40 +0.00	12.00 +0.10 +0.00	290.00 +0.00 -0.21	320.00 +0.36 +0.00

STYLE MPSA-PDE PISTON SEALS

MPSA-PDE is a double-acting piston seal designed for use on split pistons where severe vibration, shock, and high pressure exist. It consists of an NBR sealing element, two plastic support rings, and two acetal bearing rings.

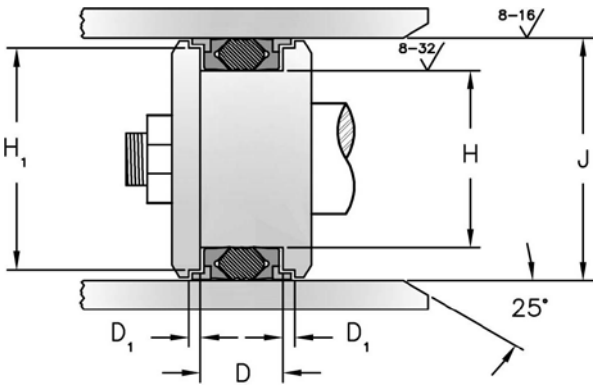


PART NUMBERS

MPSA - 050 - PDE

Type of Seal | Bore Diameter | Suffix

SEAL INFORMATION	
MATERIAL	NITRILE PLASTIC POM
TEMPERATURE RANGE	-22° TO +230° F
PRESSURE RANGE	0 TO 8,700 PSI
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MPSA-050-PDE	34	50	32	32.00 +0.20 +0.00	6.35 +0.10 +0.00	34.00 ±0.08	43.70 ±0.05	50.00 +0.16 +0.00
MPSA-070-PDE	50	70	35	35.00 +0.20 +0.00	9.52 +0.10 +0.00	50.00 ±0.08	62.62 ±0.05	70.00 +0.19 +0.00
MPSA-100-PDE	80	100	35	35.00 +0.20 +0.00	9.52 +0.10 +0.00	80.00 ±0.095	92.60 ±0.05	100.00 +0.22 +0.00
MPSA-110-PDE	85	110	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	85.00 ±0.11	101.82 ±0.05	110.00 +0.22 +0.00
MPSA-120A-PDE	100	120	35	35.00 +0.20 +0.00	9.52 +0.10 +0.00	100.00 ±0.11	112.80 ±0.05	120.00 +0.22 +0.00
MPSA-160-PDE	135	160	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	135.00 ±0.125	151.72 ±0.05	160.00 +0.25 +0.00
MPSA-210-PDE	185	210	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	185.00 ±0.145	201.60 ±0.05	210.00 +0.29 +0.00
MPSA-220-PDE	195	220	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	195.00 ±0.145	211.60 ±0.05	220.00 +0.29 +0.00
MPSA-230-PDE	205	230	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	205.00 ±0.145	221.72 ±0.05	230.00 +0.29 +0.00
MPSA-240-PDE	215	240	45	45.00 +0.20 +0.00	12.70 +0.10 +0.00	215.00 ±0.145	231.72 ±0.05	240.00 +0.29 +0.00
MPSA-360-PDE	335	360	44.5	44.50 +0.20 +0.00	12.70 +0.10 +0.00	335.00 ±0.18	351.72 ±0.05	360.00 +0.36 +0.00

Seal color may vary.

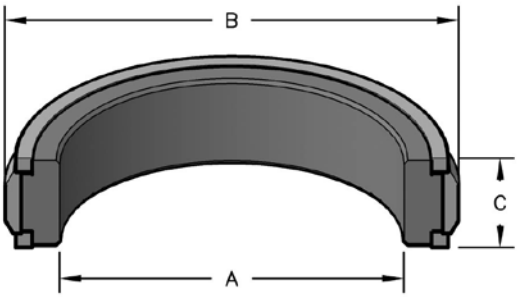
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MTPS FOUR PIECE PISTON SEALS

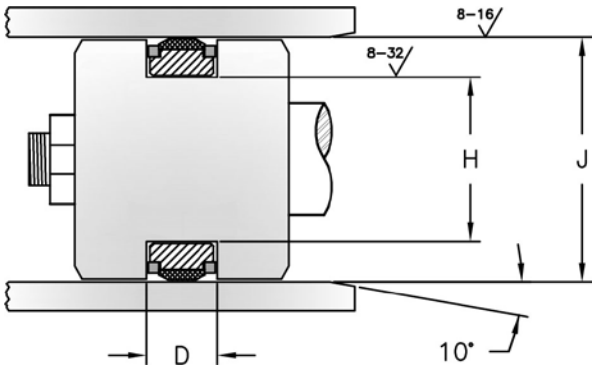
This four piece double acting piston seal contains a nitrile energizer behind a tough, wear-resistant 55D thermoplastic polyester elastomer (TPE) cap ring. It also includes two split rectangular polyacetal anti-extrusion rings. The MTPS design has high shock load and high pressure capabilities and is suitable for both roller-burnished and honed tubing. Sealing materials are suitable for mineral oils and HFA (High Water Content) fluids as used in longwall mining equipment.



PART NUMBERS

MTPS - 80 X 66 X 16.5

Type of Seal | Bore Diameter | Groove Diameter | Height



SEAL INFORMATION	
MATERIAL	55D TPE CAP, NITRILE ENERGIZER, POLYACETAL ANTI-EXTRUSION RINGS
TEMPERATURE RANGE	-40° TO +230° F +32 TO +140 F (HFA)
PRESSURE RANGE	0 TO 10,000 PSI (DYNAMIC) 0 TO 17,400 PSI (STATIC)
SPEED	1 FT/SEC

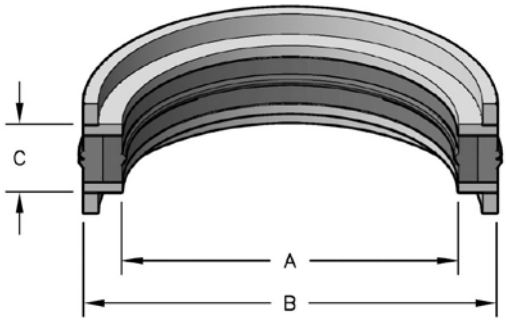
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MTPS-80X66X16.5	66	80	16.5	17.00 +0.20 +0.00	66.00 +0.00 -0.07	80.00 +0.12 +0.00
MTPS-90X75X13	75	90	13	13.50 +0.20 +0.00	75.00 +0.00 -0.07	90.00 +0.14 +0.00
MTPS-100X85X13	85	100	13	13.50 +0.20 +0.00	85.00 +0.00 -0.09	100.00 +0.14 +0.00
MTPS-105X91X16	91	105	16	16.50 +0.20 +0.00	91.00 +0.00 -0.09	105.00 +0.14 +0.00
MTPS-125X110X15.3	110	125	15.3	15.80 +0.20 +0.00	110.00 +0.00 -0.09	125.00 +0.16 +0.00
MTPS-130X105X24.5	105	130	24.5	25.00 +0.20 +0.00	105.00 +0.00 -0.09	130.00 +0.16 +0.00
MTPS-135X118X20	118	135	20	20.50 +0.20 +0.00	118.00 +0.00 -0.09	135.00 +0.16 +0.00
MTPS-150X133X19.5	133	150	19.5	20.00 +0.20 +0.00	133.00 +0.00 -0.10	150.00 +0.16 +0.00
MTPS-160X135X24.5	135	160	24.5	25.00 +0.20 +0.00	135.00 +0.00 -0.10	160.00 +0.16 +0.00
MTPS-160X145X15.5	145	160	15.5	16.00 +0.20 +0.00	145.00 +0.00 -0.10	160.00 +0.16 +0.00
MTPS-165X145X19.5	145	165	19.5	20.00 +0.20 +0.00	145.00 +0.00 -0.10	165.00 +0.16 +0.00
MTPS-170X150X15.5	150	170	15.5	16.00 +0.20 +0.00	150.00 +0.00 -0.10	170.00 +0.16 +0.00
MTPS-190X170X15.5	170	190	15.5	16.00 +0.20 +0.00	170.00 +0.00 -0.10	190.00 +0.19 +0.00
MTPS-195X170X24.9	170	195	24.9	25.38 +0.20 +0.00	170.00 +0.00 -0.10	195.00 +0.19 +0.00
MTPS-200X180X15.5	180	200	15.5	16.00 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.19 +0.00

STYLE MTPS FOUR PIECE PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MTPS-200X180X19.5	180	200	19.5	20.00 +0.20 +0.00	180.00 +0.00 -0.10	200.00 +0.19 +0.00
MTPS-220X195X24.5	195	220	24.5	25.00 +0.20 +0.00	195.00 +0.00 -0.12	220.00 +0.19 +0.00
MTPS-225X200X24.6	200	225	24.6	25.15 +0.20 +0.00	200.00 +0.00 -0.12	225.00 +0.19 +0.00
MTPS-225X205X19.5	205	225	19.5	20.00 +0.20 +0.00	205.00 +0.00 -0.12	225.00 +0.19 +0.00
MTPS-240X213X29.5	213	240	29.5	30.00 +0.20 +0.00	213.00 +0.00 -0.12	240.00 +0.19 +0.00
MTPS-250X225X24.5	225	250	24.5	25.00 +0.20 +0.00	225.00 +0.00 -0.12	250.00 +0.19 +0.00
MTPS-270X240X29.5	240	270	29.5	30.00 +0.20 +0.00	240.00 +0.00 -0.12	270.00 +0.21 +0.00
MTPS-270X245X23.5	245	270	23.5	24.00 +0.20 +0.00	245.00 +0.00 -0.12	270.00 +0.21 +0.00
MTPS-280X255X24.5	255	280	24.5	25.00 +0.20 +0.00	255.00 +0.00 -0.13	280.00 +0.21 +0.00
MTPS-285X260X24.5	260	285	24.5	25.00 +0.20 +0.00	260.00 +0.00 -0.13	285.00 +0.21 +0.00
MTPS-300X275X24.5	275	300	24.5	25.00 +0.20 +0.00	275.00 +0.00 -0.13	300.00 +0.21 +0.00
MTPS-320X290X29.5	290	320	29.5	30.00 +0.20 +0.00	290.00 +0.00 -0.13	320.00 +0.23 +0.00
MTPS-370X340X29.5	340	370	29.5	30.00 +0.20 +0.00	340.00 +0.00 -0.14	370.00 +0.23 +0.00
MTPS-380X350X29.5	350	380	29.5	30.00 +0.20 +0.00	350.00 +0.00 -0.14	380.00 +0.23 +0.00
MTPS-380X350X31.5	350	380	31.5	32.00 +0.20 +0.00	350.00 +0.00 -0.14	380.00 +0.23 +0.00
MTPS-400X370X31.5	370	400	31.5	32.00 +0.20 +0.00	370.00 +0.00 -0.14	400.00 +0.23 +0.00

STYLE MNCF FIVE PIECE PISTON SEALS

For two piece pistons, this seal incorporates a nitrile / fabric seal with two split bearings.

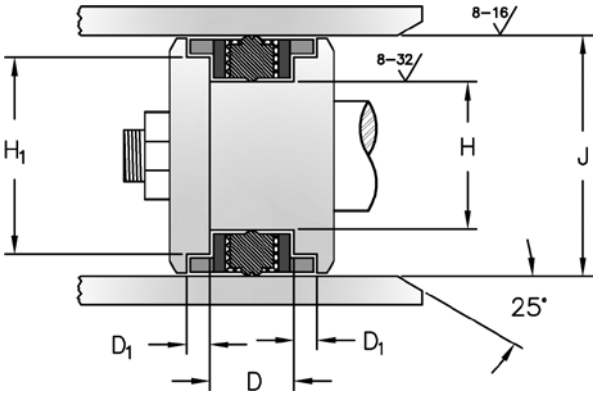


PART NUMBERS

MNCF - 070

Type of Seal — Bore Diameter

SEAL INFORMATION	
MATERIAL	NITRILE SEAL ACETAL BEARING
TEMPERATURE RANGE	-22° TO +190° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC

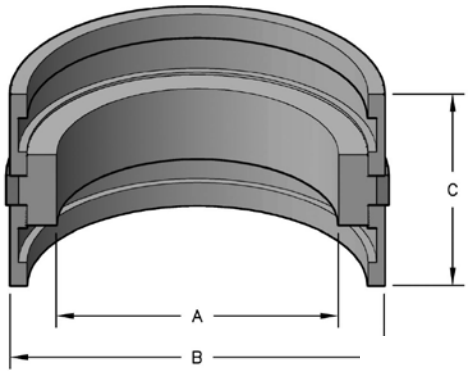


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D SEAL GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MNCF-070	56	70	22	22.00	7.95	56.00	61.50	70.00
MNCF-080	66	80	22	22.00	7.95	66.00	71.50	80.00
MNCF-090	76	90	22	22.00	7.95	76.00	81.50	90.00
MNCF-100	86	100	22	22.00	9.95	86.00	91.50	100.00
MNCF-110	96	110	22	22.00	9.95	96.00	101.50	110.00
MNCF-120	106	120	22	22.00	9.95	106.00	111.50	120.00

Seal color may vary.

STYLE PS-GKD PISTON SEALS

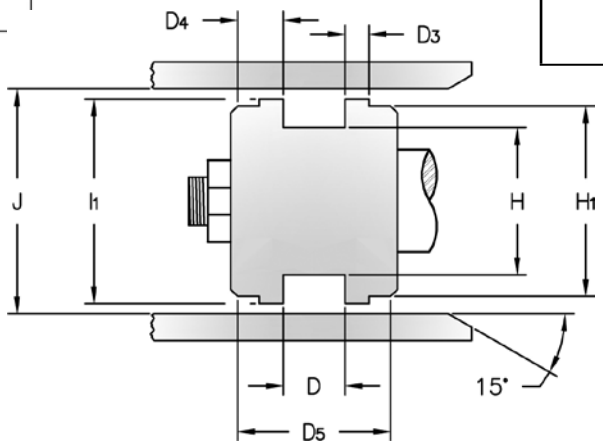
PS-GKD consists of a bronze-filled PTFE cap energized by a urethane expander and guided with PTFE/bronze reinforced POM bearing rings. The standard piston construction permits use to 5200 psi pressure and the reinforced piston construction up to 8700 psi. These are genuine Hunger® parts.



PART NUMBERS

PS-GKD - 40 X 26 X 30

Type of Seal | Outside Diameter | Inside Diameter | Height



SEAL INFORMATION	
MATERIAL	BRONZE/PTFE URETHANE PTFE/ BRONZE/POM
TEMPERATURE RANGE	-22° TO +248° F
PRESSURE RANGE	0 TO 8,700 PSI
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_3 PROTRUSION WIDTH	D_5 PISTON WIDTH	D_4 PISTON END TO GROOVE
PS-GKD 40X26X30	26	40	30	15.50 +0.12 -0.05	26.00 +0.000 -0.052	32.00 -0.025 -0.064	36.00 -0.025 -0.064	40.00 +0.039 +0.000	3.50 -0.030 -0.078	30.00	7.25 +0.10 +0.00
PS-GKD 50X34X32	34	50	32	20.50 +0.149 -0.065	34.00 +0.000 -0.062	42.00 -0.025 -0.064	46.00 -0.025 -0.064	50.00 +0.039 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GKD 60X44X32	44	60	32	20.50 +0.149 -0.065	44.00 +0.000 -0.062	52.00 -0.030 -0.076	56.00 -0.030 -0.076	60.00 +0.046 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GKD 63X47X32	47	63	32	20.50 +0.149 -0.065	47.00 +0.000 -0.062	55.00 -0.030 -0.076	59.00 -0.030 -0.076	63.00 +0.046 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GKD 70X54X32	54	70	32	20.50 +0.149 -0.065	54.00 +0.000 -0.074	62.00 -0.030 -0.076	66.00 -0.030 -0.076	70.00 +0.046 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GKD 75X59X32	59	75	32	20.50 +0.149 -0.065	59.00 +0.000 -0.074	67.00 -0.030 -0.076	71.00 -0.030 -0.076	75.00 +0.046 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GKD 80X62X36	62	80	36	22.50 +0.149 -0.065	62.00 +0.000 -0.074	72.00 -0.030 -0.076	76.00 -0.030 -0.076	80.00 +0.046 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GKD 90X72X36	72	90	36	22.50 +0.149 -0.065	72.00 +0.000 -0.074	82.00 -0.036 -0.090	86.00 -0.036 -0.090	90.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GKD 100X82X36	82	100	36	22.50 +0.149 -0.065	82.00 +0.000 -0.087	92.00 -0.036 -0.090	96.00 -0.036 -0.090	100.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GKD 115X97X36	97	115	36	22.50 +0.149 -0.065	97.00 +0.000 -0.087	107.00 -0.036 -0.090	111.00 -0.036 -0.090	115.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GKD 120X102X36	102	120	36	22.50 +0.149 -0.065	102.00 +0.000 -0.087	112.00 -0.036 -0.090	116.00 -0.036 -0.090	120.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GKD 125X103X43	103	125	43	26.50 +0.149 -0.065	103.00 +0.000 -0.087	115.00 -0.036 -0.090	121.00 -0.043 -0.106	125.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GKD 140X118X43	118	140	43	26.50 +0.149 -0.065	118.00 +0.000 -0.087	130.00 -0.043 -0.106	136.00 -0.043 -0.106	140.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GKD 150X128X43	128	150	43	26.50 +0.149 -0.065	128.00 +0.00 -0.10	140.00 -0.043 -0.106	146.00 -0.043 -0.106	150.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00

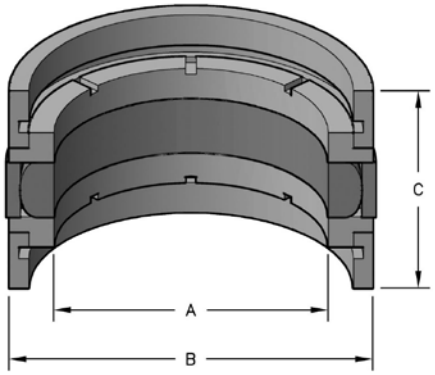
STYLE PS-GKD PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_3 PROTRUSION WIDTH	D_5 PISTON WIDTH	D_4 PISTON END TO GROOVE
PS-GKD 160X138X43	138	160	43	26.50 +0.149 -0.065	138.00 +0.00 -0.10	150.00 -0.043 -0.106	156.00 -0.043 -0.106	160.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GKD 170X148X48	148	170	48	26.50 +0.149 -0.065	148.00 +0.00 -0.10	160.00 -0.043 -0.106	166.00 -0.043 -0.106	170.00 +0.063 +0.000	6.00 -0.030 -0.078	48.00	10.80 +0.10 +0.00
PS-GKD 180X158X48	158	180	48	26.50 +0.149 -0.065	158.00 +0.00 -0.10	170.00 -0.043 -0.106	176.00 -0.043 -0.106	180.00 +0.063 +0.000	6.00 -0.030 -0.078	48.00	10.80 +0.10 +0.00
PS-GKD 200X175X48	175	200	48	31.50 +0.18 -0.08	175.00 +0.00 -0.10	190.00 -0.050 -0.122	196.00 -0.050 -0.122	200.00 +0.072 +0.000	4.50 -0.030 -0.078	48.00	8.30 +0.10 +0.00
PS-GKD 220X195X58	195	220	58	31.50 +0.18 -0.08	195.00 +0.000 -0.115	210.00 -0.050 -0.122	216.00 -0.050 -0.122	220.00 +0.072 +0.000	8.00 -0.040 -0.098	58.00	13.30 +0.10 +0.00
PS-GKD 240X215X74	215	240	74	31.50 +0.18 -0.08	215.00 +0.000 -0.115	230.00 -0.050 -0.122	236.00 -0.050 -0.122	240.00 +0.072 +0.000	15.00 -0.05 -0.12	74.00	21.30 +0.10 +0.00
PS-GKD 250X225X74	225	250	74	31.50 +0.18 -0.08	225.00 +0.000 -0.115	240.00 -0.050 -0.122	246.00 -0.050 -0.122	250.00 +0.072 +0.000	15.00 -0.05 -0.12	74.00	21.30 +0.10 +0.00

Seal color may vary.

STYLE PS-GD1000K PISTON SEALS

PS-GD1000K consists of PTFE-bronze cap energized by a nitrile expander, supported by plastic back-up rings and guided with PTFE/bronze reinforced POM bearing rings. The standard piston construction permits use to 5200 psi pressure and the reinforced piston construction up to 9000 psi. These are genuine Hunger® parts.



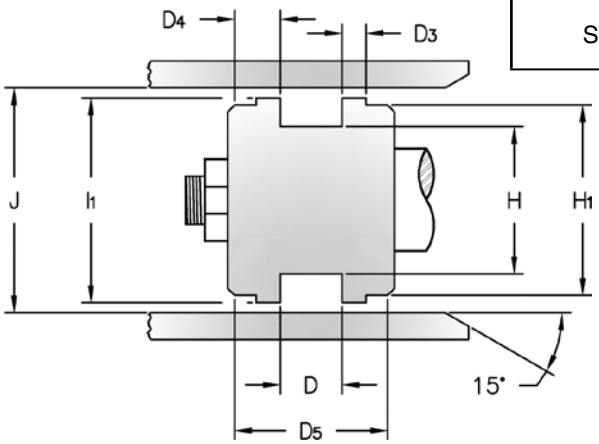
PART NUMBERS

PS-GD1000K - 40 X 26 X 32

Type of Seal | Outside Diameter | Inside Diameter | Height

SEAL INFORMATION	
MATERIAL	BRONZE/PTFE URETHANE FILLED POM
TEMPERATURE RANGE	-22° TO +248° F
PRESSURE RANGE	0 TO 9,000 PSI
SPEED	3 FT/SEC

* Limited Availability.



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_3 PROTRUSION WIDTH	D_5 PISTON WIDTH	D_4 PISTON END TO GROOVE
PS-GD1000K40X26X32	26	40	32	15.50 +0.12 +0.05	26.00 +0.000 -0.052	32.00 -0.025 -0.064	36.00 -0.025 -0.064	40.00 +0.039 +0.000	3.50 -0.030 -0.078	32.00	8.25 +0.10 +0.00
PS-GD1000K50X34X32	34	50	32	20.50 +0.149 +0.065	34.00 +0.000 -0.062	42.00 -0.025 -0.064	46.00 -0.025 -0.064	50.00 +0.039 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GD1000K50X34X39	34	50	39	20.50 +0.149 +0.065	34.00 +0.000 -0.062	42.00 -0.025 -0.064	46.00 -0.025 -0.064	50.00 +0.039 +0.000	3.00 -0.02 -0.06	39.00	9.25 +0.10 +0.00
PS-GD1000K63X47X39	47	63	39	20.50 +0.149 +0.065	47.00 +0.000 -0.062	55.00 -0.030 -0.076	59.00 -0.030 -0.076	63.00 +0.046 +0.000	3.00 -0.02 -0.06	39.00	9.25 +0.10 +0.00
PS-GD1000K70X54X32	54	70	32	20.50 +0.149 +0.065	54.00 +0.000 -0.074	62.00 -0.030 -0.076	66.00 -0.030 -0.076	70.00 +0.046 +0.000	3.00 -0.02 -0.06	32.00	5.80 +0.10 +0.00
PS-GD1000K70X54X39	54	70	39	20.50 +0.149 +0.065	54.00 +0.000 -0.074	62.00 -0.030 -0.076	66.00 -0.030 -0.076	70.00 +0.046 +0.000	3.00 -0.02 -0.06	39.00	9.25 +0.10 +0.00
PS-GD1000K80X62X43	62	80	43	22.50 +0.149 +0.065	62.00 +0.000 -0.074	72.00 -0.030 -0.076	76.00 -0.030 -0.076	80.00 +0.046 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00
PS-GD1000K90X72X36	72	90	36	22.50 +0.149 +0.065	72.00 +0.000 -0.074	82.00 -0.036 -0.090	86.00 -0.036 -0.090	90.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GD1000K90X72X43	72	90	43	22.50 +0.149 +0.065	72.00 +0.000 -0.074	82.00 -0.036 -0.090	86.00 -0.036 -0.090	90.00 +0.054 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00
PS-GD1000K100X82X36	82	100	36	22.50 +0.149 +0.065	82.00 +0.000 -0.087	92.00 -0.036 -0.090	96.00 -0.036 -0.090	100.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GD1000K100X82X43	82	100	43	22.50 +0.149 +0.065	82.00 +0.000 -0.087	92.00 -0.036 -0.090	96.00 -0.036 -0.090	100.00 +0.054 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00
PS-GD1000K110X92X36	92	110	36	22.50 +0.149 +0.065	92.00 +0.000 -0.087	102.00 -0.036 -0.090	106.00 -0.036 -0.090	110.00 +0.054 +0.000	3.00 -0.02 -0.06	36.00	6.80 +0.10 +0.00
PS-GD1000K110X92X43	92	110	43	22.50 +0.149 +0.065	92.00 +0.000 -0.087	102.00 -0.036 -0.090	106.00 -0.036 -0.090	110.00 +0.054 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00
PS-GD1000K115X97X43	97	115	43	22.50 +0.149 +0.065	97.00 +0.000 -0.087	107.00 -0.036 -0.090	111.00 -0.036 -0.090	115.00 +0.054 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00

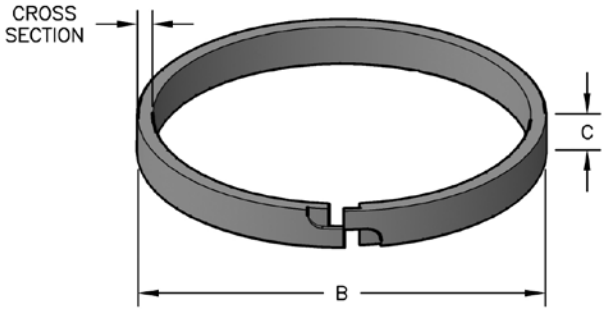
STYLE PS-GD1000K PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	I_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_3 PROTRUSION WIDTH	D_5 PISTON WIDTH	D_4 PISTON END TO GROOVE
PS-GD1000K120X102X43	102	120	43	22.50 +0.149 +0.065	102.00 +0.000 -0.087	112.00 -0.036 -0.090	116.00 -0.036 -0.090	120.00 +0.054 +0.000	3.00 -0.02 -0.06	43.00	10.25 +0.10 +0.00
PS-GD1000K125X103X43	103	125	43	26.50 +0.149 +0.065	103.00 +0.000 -0.087	115.00 -0.036 -0.090	121.00 -0.043 -0.106	125.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GD1000K125X103X53	103	125	53	26.50 +0.149 +0.065	103.00 +0.000 -0.087	115.00 -0.036 -0.090	121.00 -0.043 -0.106	125.00 +0.063 +0.000	4.00 -0.030 -0.078	53.00	13.25 +0.10 +0.00
PS-GD1000K130X108X53	108	130	53	26.50 +0.149 +0.065	108.00 +0.000 -0.087	120.00 -0.036 -0.090	126.00 -0.043 -0.106	130.00 +0.063 +0.000	4.00 -0.030 -0.078	53.00	13.25 +0.10 +0.00
PS-GD1000K140X118X43	118	140	43	26.50 +0.149 +0.065	118.00 +0.000 -0.087	130.00 -0.043 -0.106	136.00 -0.043 -0.106	140.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GD1000K140X118X53	118	140	53	26.50 +0.149 +0.065	118.00 +0.000 -0.087	130.00 -0.043 -0.106	136.00 -0.043 -0.106	140.00 +0.063 +0.000	4.00 -0.030 -0.078	53.00	13.25 +0.10 +0.00
PS-GD1000K150X128X53	128	150	53	26.50 +0.149 +0.065	128.00 +0.00 -0.10	140.00 -0.043 -0.106	146.00 -0.043 -0.106	150.00 +0.063 +0.000	4.00 -0.030 -0.078	53.00	13.25 +0.10 +0.00
PS-GD1000K160X138X43	138	160	43	26.50 +0.149 +0.065	138.00 +0.00 -0.10	150.00 -0.043 -0.106	156.00 -0.043 -0.106	160.00 +0.063 +0.000	4.00 -0.030 -0.078	43.00	8.30 +0.10 +0.00
PS-GD1000K160X138X53	138	160	53	26.50 +0.149 +0.065	138.00 +0.00 -0.10	150.00 -0.043 -0.106	156.00 -0.043 -0.106	160.00 +0.063 +0.000	4.00 -0.030 -0.078	53.00	13.25 +0.10 +0.00
PS-GD1000K165X143X57	143	165	57	26.50 +0.149 +0.065	143.00 +0.00 -0.10	155.00 -0.043 -0.106	161.00 -0.043 -0.106	165.00 +0.063 +0.000	6.00 -0.030 -0.078	57.00	15.25 +0.10 +0.00
PS-GD1000K180X158X48	158	180	48	26.50 +0.149 +0.065	158.00 +0.00 -0.10	170.00 -0.043 -0.106	176.00 -0.043 -0.106	180.00 +0.063 +0.000	6.00 -0.030 -0.078	48.00	10.80 +0.10 +0.00
PS-GD1000K180X158X57	158	180	57	26.50 +0.149 +0.065	158.00 +0.00 -0.10	170.00 -0.043 -0.106	176.00 -0.043 -0.106	180.00 +0.063 +0.000	6.00 -0.030 -0.078	57.00	15.25 +0.10 +0.00
PS-GD1000KS190X165X48	165	190	48	31.50 +0.18 +0.08	165.00 +0.00 -0.10	180.00 -0.043 -0.106	186.00 -0.050 -0.122	190.00 +0.072 +0.000	4.50 -0.030 -0.078	48.00	8.30 +0.10 +0.00
PS-GD1000KS200X175X48	175	200	48	31.50 +0.18 +0.08	175.00 +0.00 -0.10	190.00 -0.050 -0.122	196.00 -0.050 -0.122	200.00 +0.072 +0.000	4.50 -0.030 -0.078	48.00	8.30 +0.10 +0.00
PS-GD1000KS200X175X64	175	200	64	31.50 +0.18 +0.08	175.00 +0.00 -0.10	190.00 -0.050 -0.122	196.00 -0.050 -0.122	200.00 +0.072 +0.000	4.50 -0.030 -0.078	64.00	16.25 +0.10 +0.00
PS-GD1000K220X195X58	195	220	58	31.50 +0.18 +0.08	195.00 +0.000 -0.115	210.00 -0.050 -0.122	216.00 -0.050 -0.122	220.00 +0.072 +0.000	8.00 -0.040 -0.098	58.00	13.30 +0.10 +0.00
PS-GD1000K220X195X71	195	220	71	31.50 +0.18 +0.08	195.00 +0.000 -0.115	210.00 -0.050 -0.122	216.00 -0.050 -0.122	220.00 +0.072 +0.000	8.00 -0.040 -0.098	71.00	19.75 +0.10 +0.00
PS-GD1000K225X200X71	200	225	71	31.50 +0.18 +0.08	200.00 +0.000 -0.115	215.00 -0.050 -0.122	221.00 -0.050 -0.122	225.00 +0.072 +0.000	8.00 -0.040 -0.098	71.00	19.75 +0.10 +0.00
PS-GD1000K230X205X85	205	230	85	31.50 +0.18 +0.08	205.00 +0.000 -0.115	220.00 -0.050 -0.122	226.00 -0.050 -0.122	230.00 +0.072 +0.000	15.00 -0.05 -0.12	85.00	26.75 +0.10 +0.00
PS-GD1000K235X210X85	210	235	85	31.50 +0.18 +0.08	210.00 +0.000 -0.115	225.00 -0.050 -0.122	231.00 -0.050 -0.122	235.00 +0.072 +0.000	15.00 -0.05 -0.12	85.00	26.75 +0.10 +0.00
PS-GD1000K250X225X85	225	250	85	31.50 +0.18 +0.08	225.00 +0.000 -0.115	240.00 -0.050 -0.122	246.00 -0.050 -0.122	250.00 +0.072 +0.000	15.00 -0.05 -0.12	85.00	26.75 +0.10 +0.00
PS-GD1000K320X290X80	290	320	80	36.50 +0.18 +0.08	290.00 +0.00 -0.13	308.00 -0.056 -0.137	314.00 -0.056 -0.137	320.00 +0.089 +0.000	8.50 -0.040 -0.098	80.00	21.75 +0.10 +0.00
PS-GD1000K360X330X80	330	360	80	36.50 +0.18 +0.08	330.00 +0.00 -0.14	348.00 -0.062 -0.151	354.00 -0.062 -0.151	360.00 +0.089 +0.000	8.50 -0.040 -0.098	80.00	21.75 +0.10 +0.00

* Closeout item. This item will no longer be available once stock has been depleted.

STYLE MSPR PISTON RINGS

Machined from iron, most employ an overlapped joint which allows the passing of ports.



SEAL INFORMATION	
MATERIAL	IRON

PART NUMBERS

MSPR - 40 X 2 X 2

Type of Seal | Outside Diameter | Width | Radial Wall

Part Number	B Nom. OD	C Nom. Ht	Nom. Cross Section
MSPR-40X2X2	40	2	2
MSPR-45X2.5X2.2	45	2.5	2.2
MSPR-50X2.5X2.3	50	2.5	2.3
MSPR-50X2X2	50	2	2
MSPR-55X3X2.5	55	3	2.5
MSPR-90X4X3.5	90	4	3.5
MSPR-95X4X4	95	4	4
MSPR-100X4X4.7	100	4	4.7
MSPR-100X4.7X4.2	100	4.7	4.2
MSPR-105X4X4.4	105	4	4.4
MSPR-120X4X5	120	4	5
MSPR-125X4X4.8	125	4	4.8
MSPR-130X4X5.4	130	4	5.4
MSPR-130X6.3X3.75	130	6.3	3.75
MSPR-135X4X5.4	135	4	5.4
MSPR-135X6.3X3.75	135	6.3	3.75
MSPR-140X4X5.7	140	4	5.7
MSPR-145X4X6	145	4	6
MSPR-150X4X6.3	150	4	6.3
MSPR-160X4X6.55	160	4	6.55
MSPR-160X7.88X5.55	160	7.88	5.55
MSPR-170X4X7	170	4	7
MSPR-180X8X6	180	8	6
MSPR-185X4X7.55	185	4	7.55
MSPR-200X7.88X6.8	200	7.88	6.8

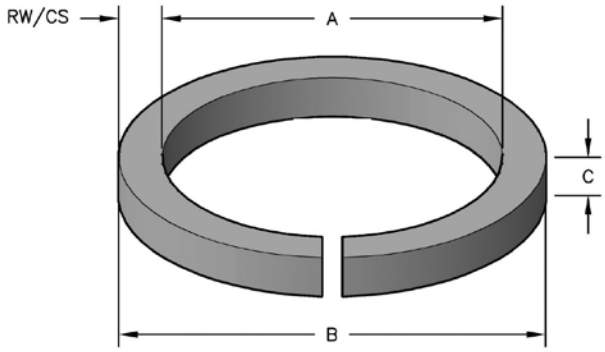
Seal color may vary.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MBR PISTON RINGS



SEAL INFORMATION	
MATERIAL	BRONZE
SPEED	3 FT/SEC

PART NUMBERS

MBR - 70 X 6 X 6

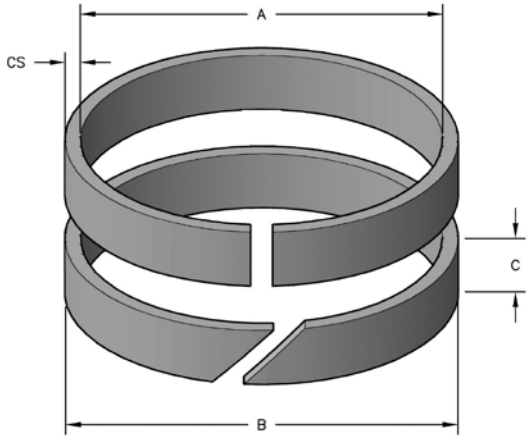
Type of Seal | Outside Diameter | Width | Radial Wall

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MBR-70X6X6	58	70	6	6
MBR-80X6X6	68	80	6	6

Seal color may vary.

STYLE MWR WEAR RINGS

This wear ring is molded from glass reinforced nylon. This style is highly recommended because of their wear rate and non-scoring properties and their ability to ingest metal chips.



PART NUMBERS

MWR - 28 X 10 X 1.5

Type of Seal | Outside Diameter | Width | Cross Section

Suffix:
SC = Scarf Cut Ring
SL = Slotted

SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +275° F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	26,000 PSI
TENSILE STRENGTH	25,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWR-28X10X1.5	25	28	10	1.5
MWR-32X4X1.5	29	32	4	1.5
MWR-35X8X2	31	35	8	2
MWR-35X4X1.5-SC	32	35	4	1.5
MWR-35X9.5X1.5	32	35	9.5	1.5
MWR-35X15X1.5	32	35	15	1.5
MWR-35X15.9X1.5	32	35	15.9	1.5
MWR-36X12.7X3.1	29.8	36	12.7	3.1
MWR-36X11.2X2.5	31	36	11.2	2.5
MWR-38X24.4X1.53-SC	34.94	38	24.4	1.53
MWR-39X16X1.5	36	39	16	1.5
MWR-40X5X2.5-SC	35	40	4.8	2.5
MWR-40X12X2	36	40	12	2
MWR-43X15.9X1.5	40	43	15.9	1.5
MWR-45X14.5X3	39	45	14.5	3
MWR-45X20X2	41	45	20	2
MWR-48X22.5X1.5	45	48	22.5	1.5
MWR-48X25X1.5-SC	45	48	25	1.5
MWR-50X15X3.2-SC	43.6	50	15	3.2
MWR-50X19X3.17	43.66	50	19	3.17
MWR-50X5X3	44	50	5	3
MWR-50X5.6X2.5-SC	45	50	5.6	2.5
MWR-50X9.5X2.5	45	50	9.5	2.5
MWR-50X14.8X2.5	45	50	14.8	2.5
MWR-50X20X2.5	45	50	20	2.5
MWR-50X9.5X2	46	50	9.5	2
MWR-50X10X2	46	50	10	2
MWR-50X14.5X2	46	50	14.5	2
MWR-51X9.6X3	45	51	9.6	3
MWR-51X22.2X3	45	51	22.2	3
MWR-53X24.5X1.5	50	53	24.5	1.5
MWR-55X10.5X3	49	55	10.5	3
MWR-55X15.5X3	49	55	15.5	3
MWR-55X6.2X2.5-SC	50	55	6.2	2.5
MWR-55X7.9X2.5	50	55	7.9	2.5
MWR-55X9.2X2.5-SC	50	55	9.2	2.5
MWR-55X20X2.5	50	55	20	2.5

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWR-56X5X3.12	49.76	56	5	3.12
MWR-56X12.7X3	50	56	12.7	3
MWR-56X25X3	50	56	25	3
MWR-58X24.7X1.53-SC	54.94	58	24.7	1.53
MWR-60X12.7X3.17	53.66	60	12.7	3.17
MWR-60X19X3.17	53.66	60	19	3.17
MWR-60X6X2.5-SC	55	60	6	2.5
MWR-60X14.5X2.5	55	60	14.5	2.5
MWR-60X15X2.5-SC	55	60	15	2.5
MWR-60X20X2.5	55	60	20	2.5
MWR-62X10X2	58	62	10	2
MWR-63X5X3.1	56.8	63	5	3.1
MWR-63X5.6X2.5	58	63	5.6	2.5
MWR-63X20X2.5	58	63	20	2.5
MWR-63X12X2-SC	59	63	12	2
MWR-63X25X1.5-SC	60	63	25	1.5
MWR-65X15.5X3	59	65	15.5	3
MWR-65X6X2.5-SC	60	65	6	2.5
MWR-65X10X2.5	60	65	10	2.5
MWR-65X15X2.5-SC	60	65	15	2.5
MWR-65X10X2	61	65	10	2
MWR-68X19.8X2.5-SC	63	68	19.8	2.5
MWR-68X25X1.5-SC	65	68	25	1.5
MWR-69X30X3	63	69	30	3
MWR-69X31X3	63	69	31	3
MWR-70X10X3.12	63.76	70	10	3.12
MWR-70X14.5X3-SC	64	70	14.5	3
MWR-70X15.5X3	64	70	15.5	3
MWR-70X19.5X3	64	70	19.5	3
MWR-70X5.5X2.5-SC	65	70	5.5	2.5
MWR-70X6.9X2.5-SC	65	70	6.9	2.5
MWR-70X15X2.5-SC	65	70	15	2.5
MWR-70X20X2.5	65	70	20	2.5
MWR-70X9.5X2.4-SC	65.2	70	9.5	2.4
MWR-70X10X2	66	70	10	2
MWR-71X9.7X2.5	66	71	9.7	2.5
MWR-75X29.8X3.2-SC	68.6	75	29.8	3.2

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MWR WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWR-75X9.5X3.15	68.7	75	9.5	3.15
MWR-75X25X3.15	68.7	75	25	3.15
MWR-75X12.7X3	69	75	12.7	3
MWR-75X5.4X2.5-SC	70	75	5.4	2.5
MWR-75X6.2X2.5-SC	70	75	6.2	2.5
MWR-75X10X2	71	75	10	2
MWR-75X15X2	71	75	15	2
MWR-78X25X1.5-SC	75	78	25	1.5
MWR-80X29.8X3.2-SC	73.6	80	29.8	3.2
MWR-80X9.35X3.17-SC	73.66	80	9.35	3.17
MWR-80X6X3.12	73.76	80	6	3.12
MWR-80X10X3.12	73.76	80	10	3.12
MWR-80X15.5X3	74	80	15.5	3
MWR-80X19.5X3	74	80	19.5	3
MWR-80X25X3	74	80	25	3
MWR-80X5X2.5-SC	75	80	4.8	2.5
MWR-80X13X2.5	75	80	13	2.5
MWR-80X20X2.5	75	80	20	2.5
MWR-80X10X2	76	80	10	2
MWR-83X25X1.5-SC	80	83	25	1.5
MWR-85X29.9X3.25-SC	78.5	85	29.9	3.25
MWR-85X25X3.17	78.66	85	25	3.17
MWR-85X14.5X3-SC	79	85	14.5	3
MWR-85X6X2.5-SC	80	85	6	2.5
MWR-85X9.5X2.5	80	85	9.5	2.5
MWR-85X15X2.5-SC	80	85	15	2.5
MWR-85X25X2.5	80	85	25	2.5
MWR-85X15X2.45-SC	80.1	85	15	2.45
MWR-85X5.35X2.4-SC	80.2	85	5.35	2.4
MWR-85X10X2-SC	81	85	10	2
MWR-86X25X3	80	86	25	3
MWR-86X50X3	80	86	50	3
MWR-88X25X1.5-SC	85	88	25	1.5
MWR-90X10X4.5-SC	81	90	10	4.5
MWR-90X12.5X4.5	81	90	12.5	4.5
MWR-90X9.35X3.17-SC	83.66	90	9.35	3.17
MWR-90X15X3.15	83.7	90	15	3.15
MWR-90X12.5X3	84	90	12.5	3
MWR-90X25X3	84	90	25	3
MWR-90X6X2.5-SC	85	90	6	2.5
MWR-91X39.5X3	85	91	39.5	3
MWR-93X24.9X1.5-SC	90	93	24.9	1.5
MWR-95X9.85X4.5-SC	86	95	9.85	4.5
MWR-95X12.5X4.5	86	95	12.5	4.5
MWR-95X5.9X4-SC	87	95	5.9	4
MWR-95X25.4X3.2-SC	88.6	95	25.4	3.2
MWR-95X6X2.5-SC	90	95	6	2.5
MWR-95X15X2.5-SC	90	95	15	2.5
MWR-99X13.9X3.6-SL	91.8	99	13.9	3.6
MWR-100X10X4.5-SC	91	100	10	4.5
MWR-100X28.3X3.24-SC	93.52	100	28.3	3.24
MWR-100X15X3.15	93.7	100	15	3.15
MWR-100X5.9X3-SC	94	100	5.9	3
MWR-100X12.5X3-SC	94	100	12.3	3
MWR-100X22.4X3-SC	94	100	22.4	3
MWR-100X25X3	94	100	25	3
MWR-100X15X2.5-SC	95	100	14.8	2.5

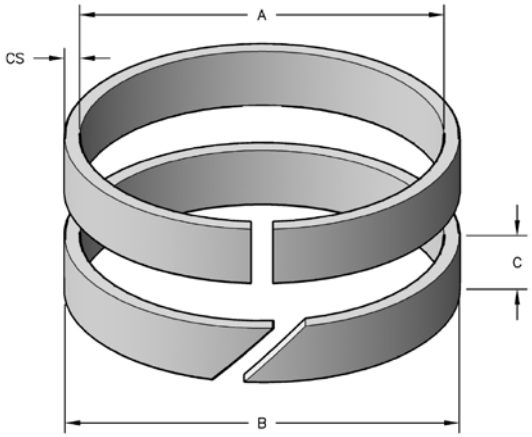
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWR-105X10X4.5-SC	96	105	10	4.5
MWR-105X12.5X4.5	96	105	12.5	4.5
MWR-105X6.2X4-SC	97	105	6.2	4
MWR-105X15X3-SC	99	105	15	3
MWR-105X24.5X3	99	105	24.5	3
MWR-105X40X3	99	105	40	3
MWR-105X6X2.5-SC	100	105	6	2.5
MWR-110X10X4.5-SC	101	110	10	4.5
MWR-110X12.5X4.5	101	110	12.5	4.5
MWR-110X7.9X3.12	103.76	110	7.9	3.12
MWR-110X15X3.1	103.8	110	15	3.1
MWR-110X5.9X3-SC	104	110	5.9	3
MWR-110X12.5X3-SC	104	110	12.5	3
MWR-110X22.4X3-SC	104	110	22.4	3
MWR-110X25X3	104	110	25	3
MWR-110X30X3-SC	104	110	30	3
MWR-110X35X3	104	110	35	3
MWR-110X12.5X2.75	104.5	110	12.5	2.75
MWR-110X7.6X2.5-SC	105	110	7.6	2.5
MWR-110X7.9X2.5	105	110	7.9	2.5
MWR-110X14.8X2.5-SC	105	110	14.8	2.5
MWR-115X10X4.5-SC	106	115	10	4.5
MWR-115X15X4.5	106	115	15	4.5
MWR-115X5.8X4-SC	107	115	5.8	4
MWR-115X8X3.1-SC	108.8	115	8	3.1
MWR-115X15X3	109	115	15	3
MWR-115X7.9X2.5	110	115	7.9	2.5
MWR-115X9.5X2.5	110	115	9.5	2.5
MWR-115X12.2X2.5-SC	110	115	12.2	2.5
MWR-120X10X4.5-SC	111	120	10	4.5
MWR-120X15X4.5	111	120	15	4.5
MWR-120X8X4-SC	112	120	8	4
MWR-120X20X3.12-SC	113.76	120	20	3.12
MWR-120X5.9X3-SC	114	120	5.9	3
MWR-120X11.2X3-SC	114	120	11	3
MWR-120X15X3-SC	114	120	15	3
MWR-120X15.45X3	114	120	15.45	3
MWR-120X22.4X3-SC	114	120	22.4	3
MWR-120X30X3	114	120	30	3
MWR-120X35X3-SC	114	120	35	3
MWR-120X40X3	114	120	40	3
MWR-120X8X2.6-SC	114.8	120	8	2.6
MWR-120X7.9X2.5	115	120	7.9	2.5
MWR-120X14.8X2.5-SC	115	120	14.8	2.5
MWR-125X10X5-SC	115	125	10	5
MWR-125X15X5-SC	115	125	15	5
MWR-125X8.1X4-SC	117	125	8.1	4
MWR-125X28X3.25-SC	118.5	125	27.8	3.25
MWR-125X20X3.12	118.76	125	20	3.12
MWR-125X10X3.1-SC	118.8	125	10	3.1
MWR-125X12.5X3-SC	119	125	12.5	3
MWR-125X15X3	119	125	15	3
MWR-125X7.9X2.5	120	125	7.9	2.5
MWR-130X10X5-SC	120	130	10	5
MWR-130X15X5	120	130	15	5
MWR-130X7.9X3.5-SC	123	130	7.9	3.5
MWR-130X15X3.5-SC	123	130	15	3.5

STYLE MWR WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWR-130X18.1X3.5	123	130	18.1	3.5
MWR-130X30X3.5	123	130	30	3.5
MWR-130X40X3.5-SC	123	130	40	3.5
MWR-130X9.4X3.17-SC	123.66	130	9.4	3.17
MWR-130X12X3	124	130	12	3
MWR-130X7.9X2.5	125	130	7.9	2.5
MWR-130X14.8X2.5-SC	125	130	14.8	2.5
MWR-135X10X5	125	135	10	5
MWR-135X15X5	125	135	15	5
MWR-135X7.75X4-SC	127	135	7.75	4
MWR-135X9.85X3.85	127.3	135	9.85	3.85
MWR-135X14.8X3.5	128	135	14.8	3.5
MWR-135X18.3X3.5-SC	128	135	18.3	3.5
MWR-135X9.4X3.17-SC	128.66	135	9.4	3.17
MWR-135X7.9X2.5	130	135	7.9	2.5
MWR-140X12.5X6-SC	128	140	12.5	6
MWR-140X17.5X6-SC	128	140	17.5	6
MWR-140X17.5X3.5	133	140	17.5	3.5
MWR-140X20.35X3.5	133	140	20.35	3.5
MWR-140X35X3.5	133	140	35	3.5
MWR-140X45X3.5-SC	133	140	45	3.5
MWR-140X10X3.12	133.76	140	10	3.12
MWR-140X20X3.12	133.76	140	20	3.12
MWR-140X12.7X3-SC	134	140	12.7	3
MWR-140X7.9X2.5	135	140	7.9	2.5
MWR-140X9.5X2.5	135	140	9.5	2.5
MWR-145X12.2X6-SC	133	145	12.2	6
MWR-145X9.7X3.85-SC	137.3	145	9.7	3.85
MWR-145X14.8X3.5	138	145	14.8	3.5
MWR-145X9.5X2.5	140	145	9.5	2.5
MWR-150X12.2X6-SC	138	150	12.2	6
MWR-150X17.5X6	138	150	17.5	6
MWR-150X14.8X3.5	143	150	14.8	3.5
MWR-150X20.9X3.5-SC	143	150	20.9	3.5
MWR-150X35X3.5	143	150	35	3.5
MWR-150X45X3.5-SC	143	150	45	3.5
MWR-150X14.8X2.5-SC	145	150	14.8	2.5
MWR-160X15X6-SC	148	160	15	6
MWR-160X20X6	148	160	20	6
MWR-160X20X3.5	153	160	20	3.5
MWR-160X20.3X3.5-SC	153	160	20.3	3.5
MWR-160X40X3.5	153	160	40	3.5
MWR-160X45X3.5-SC	153	160	45	3.5
MWR-160X20X3.12	153.76	160	20	3.12
MWR-170X20X6-SC	158	170	20	6
MWR-170X9.35X4-SC	162	170	9.35	4
MWR-170X9.5X4-SC	162	170	9.5	4
MWR-170X50X4-SC	162	170	50	4
MWR-170X25X3.8-SC	162.4	170	25	3.8
MWR-180X22.7X6-SC	168	180	22.7	6
MWR-180X22.5X4	172	180	22.5	4
MWR-180X28.2X4-SC	172	180	28.2	4
MWR-180X45X4	172	180	45	4
MWR-180X55X4-SC	172	180	55	4
MWR-180X20X3	174	180	20	3
MWR-185X22.5X6	173	185	22.5	6
MWR-190X9.2X4-SC	182	190	9.2	4
MWR-190X9.5X4-SC	182	190	9.5	4
MWR-190X28.5X4-SC	182	190	28.5	4
MWR-190X45X4	182	190	45	4
MWR-190X55X4-SC	182	190	55	4
MWR-200X22.5X6	188	200	22.5	6
MWR-200X22X4	192	200	22	4
MWR-200X22.5X4	192	200	22.5	4
MWR-200X45X4	192	200	45	4
MWR-200X60X3.25-SC	193.5	200	60	3.25
MWR-200X20X3.12	193.76	200	20	3.12
MWR-200X18.9X3-SC	194	200	18.9	3
MWR-210X28.5X4-SC	202	210	28.3	4
MWR-220X38X3.25-SC	213.5	220	38	3.25
MWR-220X60X3.25-SC	213.5	220	60	3.25
MWR-225X25X6	213	225	25	6
MWR-225X25X4	217	225	25	4
MWR-225X50X4	217	225	50	4
MWR-250X27.5X6	238	250	27.5	6
MWR-250X55X4	242	250	55	4
MWR-260X27.5X6	248	260	27.5	6
MWR-280X60X4	272	280	60	4
MWR-300X30X6	288	300	30	6

STYLE MWRB WEAR RINGS

Fabricated from fine woven fabric and phenolic resins, this wear ring is strong yet light weight with an excellent wear rate.



PART NUMBERS

MWRB - 30 X 10 X 2.5

Type of Seal | Outside Diameter | Width | Cross Section

Suffix:
SC = Scarf Cut Ring.

SEAL INFORMATION	
MATERIAL	PHENOLIC
TEMPERATURE RANGE	-40° TO +250° F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	16,000 PSI
TENSILE STRENGTH	10,600 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-25X4X1.5-SC	22	25	4	1.5
MWRB-30X10X2.5-SC	25	30	10	2.5
MWRB-35X10X2	35	31	9.85	2
MWRB-33X5.3X2.5-SC	28	33	5.3	2.5
MWRB-35X16X1.5-SC	32	35	16	1.5
MWRB-36X8.2X2-SC	32	36	8.2	2
MWRB-36X9.5X2-SC	32	36	9.5	2
MWRB-36X20X2	32	36	20	2
MWRB-37X10X2.5-SC	32	37	10	2.5
MWRB-39X25X2	35	39	25	2
MWRB-40X5.5X2.5-SC	35	40	5.5	2.5
MWRB-40X9.5X2.5	35	40	9.5	2.5
MWRB-40X9.7X2-SC	36	40	9.7	2
MWRB-41X5.6X2.5-SC	36	41	5.6	2.5
MWRB-41X9.7X2.5-SC	36	41	9.7	2.5
MWRB-44X9.7X2	40	44	9.7	2
MWRB-44X20X2	40	44	20	2
MWRB-44X40X2	40	44	40	2
MWRB-45X14.5X3	39	45	14.5	3
MWRB-45X10X2.5-SC	40	45	9.9	2.5
MWRB-45X14X2.5-SC	40	45	14	2.5
MWRB-45X15X2.5-SC	40	45	15	2.5
MWRB-45X20X2.5	40	45	20	2.5
MWRB-45X32X2.5-SC	40	45	32	2.5
MWRB-46X10X3	40	46	10	3
MWRB-46X20X3	40	46	20	3
MWRB-47X5.7X2.5-SC	42	47	5.7	2.5
MWRB-49X8X2-SC	45	49	8	2
MWRB-49X25X2	45	49	25	2
MWRB-50X12.6X3.3	43.4	50	12.6	3.3
MWRB-50X5X2.5	45	50	5	2.5
MWRB-50X6X2.5-SC	45	50	6	2.5
MWRB-50X6.8X2.5	45	50	6.8	2.5
MWRB-50X9X2.5	45	50	9	2.5
MWRB-50X9.5X2.5-SC	45	50	9.5	2.5
MWRB-50X9.7X2.5	45	50	9.7	2.5
MWRB-50X9.7X2.5-SC	45	50	9.7	2.5
MWRB-50X10X2.5	45	50	10	2.5

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-50X15X2.5	45	50	15	2.5
MWRB-50X20X2.5	45	50	20	2.5
MWRB-50X28X2.5-SC	45	50	28	2.5
MWRB-50X30X2.5-SC	45	50	30	2.5
MWRB-50X9.7X2-SC	46	50	9.7	2
MWRB-50X10.2X2-SC	46	50	10.2	2
MWRB-50X14.5X2	46	50	14.5	2
MWRB-50X10X1.9-SC	46.2	50	10	1.9
MWRB-51X22.5X3	45	51	22.5	3
MWRB-55X15.5X3	49	55	15.5	3
MWRB-55X5.4X2.5-SC	50	55	5.4	2.5
MWRB-55X5.6X2.5-SC	50	55	5.6	2.5
MWRB-55X7.9X2.5	50	55	7.9	2.5
MWRB-55X9.5X2.5-SC	50	55	9.5	2.5
MWRB-55X9.7X2.5	50	55	9.7	2.5
MWRB-55X14.7X2.5-SC	50	55	14.7	2.5
MWRB-55X15X2.5	50	55	15	2.5
MWRB-55X16X2.5-SC	50	55	16	2.5
MWRB-55X20X2.5	50	55	20	2.5
MWRB-55X29.5X2.5-SC	50	55	29.5	2.5
MWRB-55X30X2.5-SC	50	55	30	2.5
MWRB-55X32X2.5-SC	50	55	32	2.5
MWRB-55X35X2.5-SC	50	55	35	2.5
MWRB-55X10X2-SC	51	55	10	2
MWRB-56X25X3	50	56	25	3
MWRB-56X29.5X3	50	56	29.5	3
MWRB-58X30X4-SC	50	58	30	4
MWRB-60X12.7X3	54	60	12.7	3
MWRB-60X12.3X2.85-SC	54.3	60	12.3	2.85
MWRB-60X7X2.5-SC	55	60	7	2.5
MWRB-60X8X2.5-SC	55	60	8	2.5
MWRB-60X9.5X2.5	55	60	9.5	2.5
MWRB-60X9.7X2.5-SC	55	60	9.7	2.5
MWRB-60X10X2.5	55	60	10	2.5
MWRB-60X14.5X2.5-SC	55	60	14.5	2.5
MWRB-60X15X2.5-SC	55	60	15	2.5
MWRB-60X18X2.5-SC	55	60	18	2.5
MWRB-60X20X2.5	55	60	20	2.5

STYLE MWRB WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-60X10X2-SC	56	60	10	2
MWRB-62X25X3	56	62	25	3
MWRB-63X15.7X3-SC	57	63	15.7	3
MWRB-63X5.3X2.5-SC	58	63	5.3	2.5
MWRB-63X5.6X2.5-SC	58	63	5.6	2.5
MWRB-63X7X2.5-SC	58	63	7	2.5
MWRB-63X9.7X2.5	58	63	9.7	2.5
MWRB-63X15X2.5	58	63	15	2.5
MWRB-63.2X10X2.5-SC	58.2	63.2	9.84	2.5
MWRB-65X15.5X3	59	65	15.5	3
MWRB-65X10X2.5	60	65	10	2.5
MWRB-65X15X2.5-SC	60	65	15	2.5
MWRB-65X18X2.5-SC	60	65	18	2.5
MWRB-65X19.7X2.5	60	65	19.7	2.5
MWRB-65X20.1X2.5-SC	60	65	20.1	2.5
MWRB-65X25X2.5	60	65	25	2.5
MWRB-65X39.35X2.5-SC	60	65	39.35	2.5
MWRB-66X29.7X3	60	66	29.7	3
MWRB-68X9.4X2.5-SC	63	68	9.4	2.5
MWRB-68X9.7X2.5	63	68	9.7	2.5
MWRB-68X25X2.5-SC	63	68	25	2.5
MWRB-69X29.75X3-SC	63	69	29.75	3
MWRB-69X30X3-SC	63	69	30	3
MWRB-69X31.5X3-SC	63	69	31.5	3
MWRB-69X35X2-SC	65	69	35	2
MWRB-70X12.4X3	64	70	12.4	3
MWRB-70X15X3-SC	64	70	15	3
MWRB-70X15.5X3	64	70	15.5	3
MWRB-70X19.5X3	64	70	19.5	3
MWRB-70X12.3X2.85-SC	64.3	70	12.3	2.85
MWRB-70X5.3X2.5-SC	65	70	5.3	2.5
MWRB-70X6.8X2.5-SC	65	70	6.8	2.5
MWRB-70X9.5X2.5-SC	65	70	9.5	2.5
MWRB-70X10X2.5	65	70	10	2.5
MWRB-70X12X2.5	65	70	12	2.5
MWRB-70X14.8X2.5	65	70	14.8	2.5
MWRB-70X20X2.5	65	70	20	2.5
MWRB-70X30X2.5	65	70	30	2.5
MWRB-70X35X2.5-SC	65	70	35	2.5
MWRB-70X10X2-SC	66	70	10	2
MWRB-75X10X3	69	75	10	3
MWRB-75X15X3-SC	69	75	14.9	3
MWRB-75X19.6X3-SC	69	75	19.6	3
MWRB-75X25X3-SC	69	75	24.9	3
MWRB-75X9.5X2.5-SC	70	75	9.5	2.5
MWRB-75X10X2.5	70	75	10	2.5
MWRB-75X14.5X2.5	70	75	14.5	2.5
MWRB-75X18X2.5-SC	70	75	18	2.5
MWRB-75X20X2.5-SC	70	75	20	2.5
MWRB-75X30X2.5	70	75	30	2.5
MWRB-75X40X2.5-SC	70	75	40	2.5
MWRB-75X45X2.5-SC	70	75	45	2.5
MWRB-75X50X2.5-SC	70	75	50	2.5
MWRB-75X56X2.5-SC	70	75	56	2.5
MWRB-76X31.5X3.12-SC	69.76	76	31.5	3.12
MWRB-76X35X3-SC	70	76	35	3
MWRB-76X39.7X3	70	76	39.7	3

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-80X10X3-SC	74	80	10	3
MWRB-80X15X3-SC	74	80	15	3
MWRB-80X15.5X3	74	80	15.5	3
MWRB-80X15.7X3-SC	74	80	15.7	3
MWRB-80X19.5X3	74	80	19.5	3
MWRB-80X24.6X3-SC	74	80	24.6	3
MWRB-80X5.4X2.5-SC	75	80	5.4	2.5
MWRB-80X9.7X2.5-SC	75	80	9.7	2.5
MWRB-80X10X2.5	75	80	10	2.5
MWRB-80X14.5X2.5	75	80	14.5	2.5
MWRB-80X15X2.5-SC	75	80	15	2.5
MWRB-80X20X2.5	75	80	20	2.5
MWRB-80X20X2.5-SC	75	80	20	2.5
MWRB-80X32X2.5-SC	75	80	32	2.5
MWRB-80X50X2.5-SC	75	80	50	2.5
MWRB-80X10X2-SC	76	80	10	2
MWRB-85X15X4-SC	77	85	15	4
MWRB-85X10X3	79	85	10	3
MWRB-85X12.5X3-SC	79	85	12.5	3
MWRB-85X20X3-SC	79	85	20	3
MWRB-85X25X3-SC	79	85	25	3
MWRB-85X5.5X2.5	80	85	5.5	2.5
MWRB-85X9.7X2.5	80	85	9.7	2.5
MWRB-85X9.7X2.5-SC	80	85	9.7	2.5
MWRB-85X18X2.5-SC	80	85	18	2.5
MWRB-85X19.7X2.5	80	85	19.7	2.5
MWRB-85X25X2.5-SC	80	85	25	2.5
MWRB-85X29.7X2.5-SC	80	85	29.7	2.5
MWRB-85X35X2.5	80	85	35	2.5
MWRB-85X40X2.5-SC	80	85	40	2.5
MWRB-85X50X2.5-SC	80	85	50	2.5
MWRB-86X40X3	80	86	40	3
MWRB-86X49.5X3	80	86	49.5	3
MWRB-90X12.5X4.5	81	90	12.5	4.5
MWRB-90X6X4-SC	82	90	6	4
MWRB-90X15X4-SC	82	90	15	4
MWRB-90X25X3.2-SC	83.6	90	25	3.2
MWRB-90X10X3	84	90	10	3
MWRB-90X12.5X3	84	90	12.5	3
MWRB-90X20X3-SC	84	90	20	3
MWRB-90X24.6X3-SC	84	90	24.6	3
MWRB-90X25X3	84	90	25	3
MWRB-90X5X2.5	85	90	5	2.5
MWRB-90X8X2.5-SC	85	90	8	2.5
MWRB-90X9.7X2.5-SC	85	90	9.7	2.5
MWRB-90X15X2.5-SC	85	90	15	2.5
MWRB-90X15X2-SC	86	90	15	2
MWRB-95X9.7X4-SC	87	95	9.7	4
MWRB-95X14.8X4-SC	87	95	14.8	4
MWRB-95X12.5X3-SC	89	95	12.5	3
MWRB-95X20X3-SC	89	95	20	3
MWRB-95X25X3	89	95	25	3
MWRB-95X6X2.5	90	95	6	2.5
MWRB-95X7.9X2.5	90	95	7.9	2.5
MWRB-95X9.5X2.5	90	95	9.5	2.5
MWRB-95X14.8X2.5	90	95	15	2.5
MWRB-95X15X2.5	90	95	15	2.5

STYLE MWRB WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-95X10X2-SC	91	95	10	2
MWRB-96X25X3-SC	90	96	25	3
MWRB-96X29X3-SC	90	96	29	3
MWRB-100X12.5X4.5-SC	91	100	12.5	4.5
MWRB-100X5.9X4-SC	92	100	5.9	4
MWRB-100X17X3.4-SC	93.2	100	17	3.4
MWRB-100X25X3.2-SC	93.6	100	25	3.2
MWRB-100X40X3.12	93.76	100	40	3.12
MWRB-100X9.2X3	94	100	9.2	3
MWRB-100X10X3-SC	94	100	10	3
MWRB-100X12.5X3	94	100	12.5	3
MWRB-100X14.8X3	94	100	14.8	3
MWRB-100X20X3-SC	94	100	20	3
MWRB-100X25X3	94	100	25	3
MWRB-100X25X3-SC	94	100	25	3
MWRB-100X30X3	94	100	30	3
MWRB-100X30X3-SC	94	100	30	3
MWRB-100X12.3X2.85-SC	94.3	100	12.3	2.85
MWRB-100X5.5X2.5-SC	95	100	5.5	2.5
MWRB-100X6X2.5-SC	95	100	6	2.5
MWRB-100X7.9X2.5	95	100	7.9	2.5
MWRB-100X9.5X2.5	95	100	9.5	2.5
MWRB-100X9.6X2.5	95	100	9.6	2.5
MWRB-100X12.8X2.5	95	100	12.8	2.5
MWRB-100X14.7X2.5-SC	95	100	14.7	2.5
MWRB-100X14.8X2.5	95	100	14.8	2.5
MWRB-100X25X2.5-SC	95	100	25	2.5
MWRB-101X39.5X3	95	101	39.5	3
MWRB-104X25X4	96	104	25	4
MWRB-105X24.5X4	97	105	24.5	4
MWRB-105X9.7X3-SC	99	105	9.7	3
MWRB-105X15X3-SC	99	105	15	3
MWRB-105X24.5X3	99	105	24.5	3
MWRB-105X6X2.5	100	105	6	2.5
MWRB-105X7.9X2.5	100	105	7.9	2.5
MWRB-105X9.5X2.5-SC	100	105	9.4	2.5
MWRB-105X9.5X2.5	100	105	9.5	2.5
MWRB-105X14.8X2.5	100	105	14.8	2.5
MWRB-105X15X2.5-SC	100	105	15	2.5
MWRB-105X60.1X2.5-SC	100	105	60.1	2.5
MWRB-108X18X4-SC	100	108	18	4
MWRB-110X15X5-SC	100	110	15	5
MWRB-110X5.9X4-SC	102	110	5.9	4
MWRB-110X15X4	102	110	15	4
MWRB-110X14X3.5-SC	103	110	14	3.5
MWRB-110X12.5X3	104	110	12.5	3
MWRB-110X15X3-SC	104	110	15	3
MWRB-110X25X3	104	110	25	3
MWRB-110X30X3	104	110	30	3
MWRB-110X6X2.5	105	110	6	2.5
MWRB-110X7.9X2.5	105	110	7.9	2.5
MWRB-110X9.5X2.5	105	110	9.5	2.5
MWRB-110X14.8X2.5	105	110	14.8	2.5
MWRB-110X15X2.5-SC	105	110	15	2.5
MWRB-110X25X2.5-SC	105	110	25	2.5
MWRB-113X20X4-SC	105	113	20	4
MWRB-115X10X4.5-SC	106	115	10	4.5

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-115X15X4.5	106	115	15	4.5
MWRB-115X6X4	107	115	6	4
MWRB-115X15X4-SC	107	115	15	4
MWRB-115X24.7X4	107	115	24.7	4
MWRB-115X9.7X3-SC	109	115	9.7	3
MWRB-115X15X3-SC	109	115	15	3
MWRB-115X7.9X2.5	110	115	7.9	2.5
MWRB-115X9.5X2.5	110	115	9.5	2.5
MWRB-115X14.8X2.5	110	115	14.8	2.5
MWRB-118X30X4-SC	110	118	30	4
MWRB-120X15X5-SC	110	120	15	5
MWRB-120X15X4.5	111	120	15	4.5
MWRB-120X5.9X4-SC	112	120	5.9	4
MWRB-120X14X3.5-SC	113	120	14	3.5
MWRB-120X14.8X3.5	113	120	14.8	3.5
MWRB-120X30X3.5	113	120	30	3.5
MWRB-120X9.7X3-SC	114	120	9.7	3
MWRB-120X12.4X3	114	120	12.4	3
MWRB-120X14.8X3	114	120	14.8	3
MWRB-120X20X3-SC	114	120	20	3
MWRB-120X25X3	114	120	25	3
MWRB-120X30X3	114	120	30	3
MWRB-120X12.3X2.85-SC	114.3	120	12.3	2.85
MWRB-120X7.9X2.5	115	120	7.9	2.5
MWRB-120X9.5X2.5	115	120	9.5	2.5
MWRB-120X14.8X2.5	115	120	14.8	2.5
MWRB-120X25X2.5-SC	115	120	25	2.5
MWRB-125X15X5-SC	115	125	15	5
MWRB-125X14.8X3.5	118	125	14.8	3.5
MWRB-125X16.8X3.5	118	125	16.8	3.5
MWRB-125X48X3.2-SC	118.6	125	48	3.2
MWRB-125X9.7X3-SC	119	125	9.7	3
MWRB-125X9.9X3-SC	119	125	9.9	3
MWRB-125X14.8X3	119	125	14.8	3
MWRB-125X19.8X3	119	125	19.8	3
MWRB-125X7.9X2.5	120	125	7.9	2.5
MWRB-125X9.5X2.5	120	125	9.5	2.5
MWRB-125X14.8X2.5	120	125	14.8	2.5
MWRB-125X25X2.5-SC	120	125	25	2.5
MWRB-125X20X2-SC	121	125	20	2
MWRB-127X9.5X3	121	127	9.5	3
MWRB-128X30X4-SC	120	128	30	4
MWRB-128X34.8X4-SC	120	128	34.8	4
MWRB-130X15X5	120	130	15	5
MWRB-130X20X4	122	130	20	4
MWRB-130X10X3.5-SC	123	130	10	3.5
MWRB-130X14.8X3.5	123	130	14.8	3.5
MWRB-130X24X3.5-SC	123	130	24	3.5
MWRB-130X30X3.5	123	130	30	3.5
MWRB-130X30X3	124	130	30	3
MWRB-130X7.9X2.5	125	130	7.9	2.5
MWRB-130X9.5X2.5	125	130	9.5	2.5
MWRB-130X14.8X2.5	125	130	14.8	2.5
MWRB-130X15X2.5-SC	125	130	15	2.5
MWRB-130X25X2.5-SC	125	130	25	2.5
MWRB-135X15X5	125	135	15	5
MWRB-135X9.8X3.5-SC	128	135	9.8	3.5

STYLE MWRB WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-135X14.8X3.5	128	135	14.8	3.5
MWRB-135X7.9X2.5	130	135	7.9	2.5
MWRB-135X9.5X2.5	130	135	9.5	2.5
MWRB-135X14.8X2.5	130	135	14.8	2.5
MWRB-140X17.5X6	128	140	17.5	6
MWRB-140X20X4	132	140	20	4
MWRB-140X10X3.5-SC	133	140	10	3.5
MWRB-140X14.8X3.5	133	140	14.8	3.5
MWRB-140X20X3.5	133	140	20	3.5
MWRB-140X25X3.5-SC	133	140	25	3.5
MWRB-140X35X3.5	133	140	35	3.5
MWRB-140X40X3.5	133	140	40	3.5
MWRB-140X56X3.2-SC	133.6	140	56	3.2
MWRB-140X12X3-SC	134	140	12	3
MWRB-140X30X3-SC	134	140	30	3
MWRB-140X50X3-SC	134	140	50	3
MWRB-140X7.9X2.5	135	140	7.9	2.5
MWRBG-140X9.4X2.5-SC	135	140	9.4	2.5
MWRB-140X9.5X2.5	135	140	9.5	2.5
MWRB-140X9.5X2.5-SC	135	140	9.5	2.5
MWRB-140X14.8X2.5	135	140	14.8	2.5
MWRB-140X20X2.5-SC	135	140	20	2.5
MWRB-145X9.5X3.5	138	145	9.5	3.5
MWRB-145X14.8X3.5	138	145	14.8	3.5
MWRB-145X20X3.5-SC	138	145	20	3.5
MWRB-145X7.9X2.5	140	145	7.9	2.5
MWRB-145X9.5X2.5	140	145	9.5	2.5
MWRB-145X14.8X2.5	140	145	14.8	2.5
MWRB-145X25X2.5-SC	140	145	25	2.5
MWRB-150X7.8X4-SC	142	150	7.8	4
MWRB-150X50X4-SC	142	150	49.9	4
MWRB-150X14.8X3.5	143	150	14.8	3.5
MWRB-150X20X3.5-SC	143	150	20	3.5
MWRB-150X22X3.5-SC	143	150	22	3.5
MWRB-150X25X3.5-SC	143	150	25	3.5
MWRB-150X30X3.5-SC	143	150	30	3.5
MWRB-150X35X3.5	143	150	35	3.5
MWRB-150X40X3.5	143	150	40	3.5
MWRB-150X51X3.2-SC	143.6	150	51	3.2
MWRB-150X20X3-SC	144	150	20	3
MWRB-150X42X3-SC	144	150	42	3
MWRB-150X7.9X2.5	145	150	7.9	2.5
MWRB-150X9.5X2.5	145	150	9.5	2.5
MWRB-150X12.5X2.5-SC	145	150	12.5	2.5
MWRB-150X14.8X2.5	145	150	14.8	2.5
MWRB-150X20X2.5-SC	145	150	20	2.5
MWRB-155X9.5X2.5	150	155	9.5	2.5
MWRB-155X14.8X2.5	150	155	14.8	2.5
MWRB-155X85X2.5-SC	150	155	85	2.5
MWRB-160X20X6	148	160	20	6
MWRB-160X9.1X4	152	160	9.1	4
MWRB-160X14.8X3.5	153	160	14.8	3.5
MWRB-160X20X3.5	153	160	20	3.5
MWRB-160X25X3.5-SC	153	160	25	3.5
MWRB-160X30X3.5	153	160	30	3.5
MWRB-160X40X3.5	153	160	40	3.5
MWRB-160X19.3X3	154	160	19.3	3

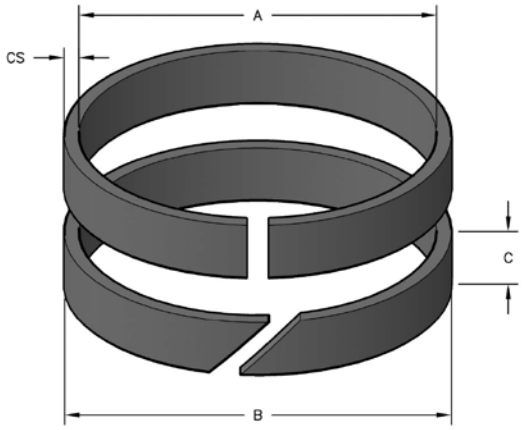
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-160X19.35X3-SC	154	160	19.35	3
MWRB-160X20X3-SC	154	160	20	3
MWRB-160X35X3-SC	154	160	35	3
MWRB-160X50X3-SC	154	160	50	3
MWRB-160X7.9X2.5	155	160	7.9	2.5
MWRB-160X9.5X2.5	155	160	9.5	2.5
MWRB-160X12.5X2.5-SC	155	160	12.5	2.5
MWRB-160X14.35X2.5-SC	155	160	14.35	2.5
MWRB-160X14.8X2.5	155	160	14.8	2.5
MWRB-160X24.5X2.5	155	160	24.5	2.5
MWRB-160X25X2.5	155	160	25	2.5
MWRB-160X35X2.5	155	160	35	2.5
MWRB-165X15X4	157	165	15	4
MWRB-165X20X4	157	165	20	4
MWRB-165X25.1X4-SC	157	165	25.1	4
MWRB-165X14.8X3.5	158	165	14.8	3.5
MWRB-165X24.5X3.2-SC	158.6	165	24.5	3.2
MWRB-165X51X3.2-SC	158.6	165	51	3.2
MWRB-165X9.7X3-SC	159	165	9.7	3
MWRB-165X30X3-SC	159	165	30	3
MWRB-165X9.5X2.5	160	165	9.5	2.5
MWRB-165X14.8X2.5	160	165	14.8	2.5
MWRB-170X9.2X4-SC	162	170	9.2	4
MWRB-170X14.8X4-SC	162	170	14.8	4
MWRB-170X25X4-SC	162	170	25	4
MWRB-170X14.8X3.5	163	170	14.8	3.5
MWRB-170X20X3.5-SC	163	170	20	3.5
MWRB-170X30X3.5-SC	163	170	30	3.5
MWRB-170X40X3.5	163	170	40	3.5
MWRB-170X9.5X3-SC	164	170	9.5	3
MWRB-170X9.5X2.5	165	170	9.5	2.5
MWRB-170X14.8X2.5	165	170	14.8	2.5
MWRB-175X25X4-SC	167	175	25	4
MWRB-175X40X4	167	175	40	4
MWRB-175X25X2.5-SC	170	175	25	2.5
MWRB-180X22.5X6	168	180	22.5	6
MWRB-180X22X4	172	180	22	4
MWRB-180X40X4	172	180	40	4
MWRB-180X45X4	172	180	45	4
MWRB-180X55X4	172	180	55	4
MWRB-180X80X4-SC	172	180	79.8	4
MWRB-180X14.8X3.5	173	180	14.8	3.5
MWRB-180X25X3.5-SC	173	180	25	3.5
MWRB-180X14.7X3-SC	174	180	14.7	3
MWRB-180X39.5X3	174	180	39.5	3
MWRB-180X49.5X3	174	180	49.5	3
MWRB-180X7.9X2.5	175	180	7.9	2.5
MWRB-180X9.5X2.5	175	180	9.5	2.5
MWRB-180X14.8X2.5	175	180	14.8	2.5
MWRB-180X25X2.5	175	180	25	2.5
MWRB-185X20X6-SC	173	185	20	6
MWRB-185X22.5X6	173	185	22.5	6
MWRB-185X24.9X3.9-SC	177	185	24.8	4
MWRB-190X22.5X4-SC	182	190	22.5	4
MWRB-190X25X4-SC	182	190	25	4
MWRB-190X25X3.5-SC	183	190	25	3.5
MWRB-190X30X3.5-SC	183	190	30	3.5

STYLE MWRB WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRB-190X14.8X3-SC	184	190	14.8	3
MWRB-190X15X2.5	185	190	15	2.5
MWRB-200X9X4-SC	192	200	9	4
MWRB-200X15X4-SC	192	200	15	4
MWRB-200X22X4	192	200	22	4
MWRB-200X45X4	192	200	45	4
MWRB-200X25X3.5-SC	193	200	25	3.5
MWRB-200X24.7X3.2-SC	193.6	200	24.7	3.2
MWRB-200X15X3-SC	194	200	14.9	3
MWRB-200X19.4X3-SC	194	200	19.4	3
MWRB-200X30X3-SC	194	200	29.9	3
MWRB-200X9.7X2.5-SC	195	200	9.7	2.5
MWRB-200X25X2.5	195	200	25	2.5
MWRB-205X120X2.5-SC	200	205	120	2.5
MWRB-210X9.2X4-SC	202	210	9	4
MWRB-215X19.5X3-SC	209	215	19.5	3
MWRB-220X24X4.5-SC	211	220	23.95	4.5
MWRB-220X33.9X4.5-SC	211	220	33.9	4.5
MWRB-225X25X4	217	225	25	4
MWRB-225X45X4	217	225	45	4
MWRB-225X50X4	217	225	50	4
MWRB-225X19.4X3-SC	219	225	19.4	3
MWRB-230X25X4.5-SC	221	230	25	4.5
MWRB-230X28X4.5-SC	221	230	28	4.5
MWRBG-230X24.5X3-SC	224	230	24.4	3
MWRB-240X34X4.5-SC	231	240	34	4.5
MWRBG-240X24.4X3-SC	234	240	24.4	3
MWRB-250X27.5X6	238	250	27.5	6
MWRB-250X34X4.5-SC	241	250	34	4.5
MWRB-250X50X4.5-SC	241	250	50	4.5
MWRB-250X9.7X4-SC	242	250	9.7	4
MWRB-250X25X2.5	245	250	25	2.5
MWRB-260X34X4.5-SC	251	260	34	4.5
MWRB-260X50X4.5-SC	251	260	50	4.5
MWRB-260X65X4.5-SC	251	260	65	4.5
MWRBG-260X29.3X3-SC	254	260	29.3	3
MWRB-280X30X6	268	280	30	6
MWRB-300X25X2.5	295	300	25	2.5
MWRB-305X25X2.5-K-SC	300	305	25	2.5
MWRB-330X15X2.5-K-SC	325	330	15	2.5
MWRB-330X25X2.5-K-SC	325	330	25	2.5
MWRB-400X25X2.5	395	400	25	2.5

STYLE MWRPEG WEAR RINGS

Fabricated from fine woven fabric and graphite-filled polyester resins, this wear ring is strong yet light-weight with an excellent wear rate.



PART NUMBERS

MWRPEG - 190 X 15 X 3 - SC

Type of Seal | Outside Diameter | Width | Cross Section

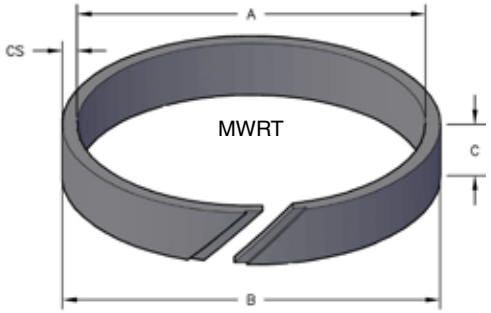
Suffix:
SC = Scarf Cut Ring

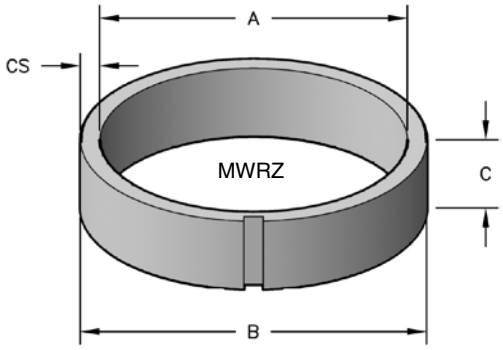
SEAL INFORMATION	
MATERIAL	GRAPHITE-FILLED POLYESTER RESIN AND FABRIC
TEMPERATURE RANGE	-320 TO 260 °F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	50,000 PSI
TENSILE STRENGTH	7900 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRPEG-120X9.5X2.5-SC	115	120	9.5	2.5
MWRPEG-125X9.5X2.5-SC	120	125	9.5	2.5
MWRPEG-135X9.4X2.5-SC	130	135	9.4	2.5
MWRPEG-150X12.5X2.5-SC	145	150	12.5	2.5
MWRPEG-190X15X3-SC	184	190	14.9	3
MWRPEG-190X30.2X3-SC	184	190	30	3
MWRPEG-200X19.7X3-SC	194	200	19.5	3
MWRPEG-200X30.2X3-SC	194	200	30	3
MWRPEG-215X19.7X3-SC	209	215	19.5	3
MWRPEG-215X25.2X3-SC	209	215	25	3

STYLE MWRT & MWRZ WEAR RINGS

Made from filled PTFE, these rings are suitable for light duty bearing service but are more often installed on the outboard ends of a piston to catch metal particles to protect the seal area.





PART NUMBERS

MWRT - 55 X 11.8 X 4

- MWRT: Type of Seal
- 55: Outside Diameter
- 11.8: Width
- 4: Cross Section

SEAL INFORMATION	
MATERIAL	FILLED PTFE
TEMPERATURE RANGE	-100° TO +550° F
SPEED	12 FT/SEC
COMPRESSIVE STRENGTH	1,700 PSI
TENSILE STRENGTH	2,200 PSI

NOTE: MWRZ-G15 Relief Groove, not split

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRZ-50X3.9X4-G15	42	50	3.9	4
MWRT-55X11.8X4	47	55	11.8	4
MWRT-61X4X2.5-SC	56	61	4	2.5
MWRZ-65X4X4-G15	57	65	4	4
MWRT-65X6.3X2.5-SC	60	65	6.3	2.5
MWRT-65X9.5X2.5	60	65	9.5	2.5
MWRT-70X6X4-SC	62	70	6	4
MWRT-70X12X4	62	70	12	4
MWRT-70X4X3-SC	64	70	4	3
MWRT-70X4X2.5-SC	65	70	4	2.5
MWRT-70X5.5X2.5-B4	65	70	5.5	2.5
MWRT-70X9.6X2.5	65	70	9.6	2.5
MWRT-70X19.5X2.5	65	70	19.5	2.5
MWRT-75X4.2X4-SC	67	75	4.2	4
MWRT-75X6X4-SC	67	75	6	4
MWRT-75X11.8X4	67	75	11.8	4
MWRT-75X19.5X2.5	70	75	19.5	2.5
MWRT-80X4X4-SC	72	80	4	4
MWRZ-80X4X4-G15	72	80	4	4
MWRT-80X6X4-SC	72	80	6	4
MWRT-80X11.8X4	72	80	11.8	4
MWRT-80X6X2.5-SC	75	80	6	2.5
MWRT-85X4X4-SC	77	85	4	4
MWRZ-85X4X4-G15	77	85	4	4
MWRT-85X6X4	77	85	6	4
MWRT-85X6X4-SC	77	85	6	4
MWRZ-85X6X4	77	85	6	4
MWRT-85X15X4	77	85	15	4
MWRT-85X6X2.5-SC	80	85	6	2.5
MWRZ-85X9.5X2.5-G15	80	85	9.5	2.5

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRT-85X19.5X2.5	80	85	19.5	2.5
MWRZ-90X4X4-G15	82	90	4	4
MWRT-90X6X4	82	90	6	4
MWRT-90X9.5X4	82	90	9.5	4
MWRT-90X14.8X4	82	90	14.8	4
MWRT-90X4.4X3.8	82.4	90	4.4	3.8
MWRT-90X9.6X2.5	85	90	9.6	2.5
MWRT-90X10X2.5	85	90	10	2.5
MWRZ-95X4X4-G15	87	95	4	4
MWRT-95X6X4	87	95	6	4
MWRZ-95X6X4-B4	87	95	6	4
MWRT-95X15X4	87	95	15	4
MWRT-100X5.9X4-B4	92	100	5.9	4
MWRZ-100X5.9X4-G15	92	100	5.9	4
MWRT-100X14.8X4	92	100	14.8	4
MWRT-100X9.7X4	96	100	9.7	4
MWRT-105X6X4	97	105	6	4
MWRT-110X5.9X4	102	110	5.9	4
MWRT-110X5.9X4-B4	102	110	5.9	4
MWRT-110X6X4	102	110	6	4
MWRZ-110X6X4	102	110	6	4
MWRZ-110X6X4-B4	102	110	6	4
MWRT-110X9.7X4	102	110	9.7	4
MWRT-110X14.8X4	102	110	14.8	4
MWRT-110X15X2.5	105	110	15	2.5
MWRT-115X6X4	107	115	6	4
MWRT-115X8X4	107	115	8	4
MWRT-115X9.5X4	107	115	9.5	4
MWRZ-120X6X4.5-G15	111	120	6	4.5
MWRT-120X6X4	112	120	6	4

STYLE MWRT & MWRZ WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRT-120X8X4	112	120	8	4
MWRT-120X15X2.5	115	120	15	2.5
MWRT-125X6X4	117	125	6	4
MWRT-125X8X4	117	125	8	4
MWRZ-125X9.5X4-G15	117	125	9.5	4
MWRT-125X9.7X4	117	125	9.7	4
MWRT-125X15X2.5-B6	120	125	15	2.5
MWRT-130X4.75X4	122	130	4.75	4
MWRZ-130X6X4-G15	122	130	6	4
MWRT-130X8X4	122	130	8	4
MWRT-130X9.5X4	122	130	9.5	4
MWRT-130X11.6X2.5	125	130	11.6	2.5
MWRT-130X14.9X2.5	125	130	14.9	2.5
MWRT-135X6X4	127	135	6	4
MWRT-135X8X4	127	135	8	4
MWRT-135X9.7X4	127	135	9.7	4
MWRT-135X15X2.5	130	135	15	2.5
MWRT-140X8X4	132	140	8	4
MWRZ-140X8X4-G15	132	140	8	4
MWRZ-140X9.5X4-G15	132	140	9.5	4
MWRT-140X9.7X4	132	140	9.7	4
MWRT-140X19.7X4	132	140	19.7	4
MWRT-145X7.9X4.5	136	145	7.9	4.5
MWRT-145X6X4	137	145	6	4
MWRZ-145X6X4-G15	137	145	6	4
MWRT-145X7.9X4	137	145	7.9	4
MWRT-145X9.5X4	137	145	9.5	4
MWRT-145X9.7X4	137	145	9.7	4
MWRT-145X20X2.5	140	145	20	2.5
MWRT-145X20X2.5-B6	140	145	20	2.5
MWRT-150X6X4	142	150	6	4
MWRT-150X6X4-B4	142	150	6	4
MWRT-150X8X4	142	150	8	4
MWRZ-150X9.5X4-G15	142	150	9.5	4
MWRT-150X9.7X4	142	150	9.7	4
MWRT-155X19.9X2.5	150	155	19.85	2.5
MWRT-160X6X4-B4	152	160	6	4
MWRT-160X9.5X4	152	160	9.5	4
MWRT-160X9.7X4	152	160	9.7	4
MWRT-165X6X4	157	165	6	4
MWRT-165X9.5X4	157	165	9.5	4
MWRT-165X9.7X4	157	165	9.7	4
MWRT-165X9.7X2.5	160	165	9.7	2.5
MWRT-165X19.9X2.5	160	165	19.9	2.5
MWRT-170X6X4-SC	162	170	6	4
MWRT-170X8X4-B4	162	170	8	4
MWRT-170X9.7X4	162	170	9.7	4
MWRT-175X6X4	167	175	6	4
MWRT-175X19.7X2.5	170	175	19.7	2.5
MWRZ-180X9.5X4-G15	172	180	9.5	4
MWRT-185X24.7X2.5	180	185	24.7	2.5
MWRZ-190X7.9X4-B4	182	190	7.9	4
MWRT-190X8X4	182	190	8	4
MWRT-190X8.9X4-B4	182	190	8.9	4
MWRT-190X9.5X4	182	190	9.5	4
MWRT-190X9.7X4	182	190	9.7	4
MWRZ-200X7.9X4-B4	192	200	7.9	4
MWRT-200X8.9X4-B4	192	200	8.9	4
MWRT-200X9.7X2.5	195	200	9.7	2.5
MWRT-200X19.8X2.5	195	200	19.8	2.5
MWRZ-215X9.4X4-B4	207	215	9.4	4
MWRT-215X9.7X4	207	215	9.7	4
MWRT-220X8.9X4-B4	212	220	8.9	4
MWRT-225X9.7X4-B4	217	225	9.7	4
MWRT-230X14.8X4-SC	224	230	14.7	4
MWRT-240X14.9X4-SC	232	240	14.9	4
MWRT-260X14.8X4-SC	252	260	14.8	4
MWRT-330X9.7X2.5-B6	325	330	9.7	2.5

Seal color may vary.

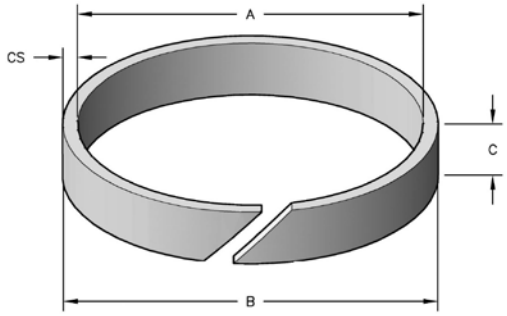
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MWRA SC WEAR RINGS

The style MWRA wear ring is molded from acetal and has excellent wear characteristics.



PART NUMBERS

MWRA - 29 X 9.5 X 2

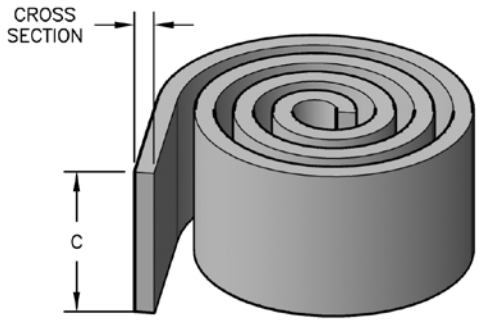
Type of Seal | Outside Diameter | Width | Cross Section

SEAL INFORMATION	
MATERIAL	ACETAL
TEMPERATURE RANGE	- 40° TO +230° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	Nom. Cross Section
MWRA-29X9.5X2-SC	25	29	9.5	2
MWRA-45X9.5X2-SC	41	45	9.5	2
MWRA-46X12.8X3-SC	40	46	12.8	3
MWRA-50X9.7X2.5-SC	45	50	9.7	2.5
MWRA-50X15X2.5-SC	45	50	15	2.5
MWRA-55X6X2.5-SC	50	55	6	2.5
MWRA-60X6X2.5-SC	55	60	6	2.5
MWRA-61X9.5X3-SC	55	61	9.5	3
MWRA-65X6.2X2.5-SC	60	65	6.2	2.5
MWRA-65X9.7X2.5-SC	60	65	9.7	2.5
MWRA-70X6.2X2.5-SC	65	70	6.2	2.5
MWRA-76X26X3-SC	70	76	26	3
MWRA-80X6.2X2.5-SC	75	80	6.2	2.5
MWRA-80X9.7X2.5-SC	75	80	9.7	2.5
MWRA-86X12.8X3-SC	80	86	12.8	3
MWRA-90X12.5X3-SC	84	90	12.5	3
MWRA-95X6X2.5-SC	90	95	6	2.5
MWRA-95X6.2X2.5-SC	90	95	6.2	2.5
MWRA-97X9.7X2.5-SC	92	97	9.7	2.5
MWRA-100X6.2X2.5-SC	95	100	6.2	2.5
MWRA-105X15X2.5-SC	100	105	15	2.5
MWRA-116X17X4.825-SC	106.35	116	17	4.825
MWRA-120X8X2.5-SC	115	120	8	2.5
MWRA-146X12.5X3-SC	140	146	12.5	3
MWRA-180X19X3-SC	174	180	19	3

STYLE MGF FLEXIBLE GUIDE BEARINGS

Fabricated from woven fabric and polyester resins, this material can be cut to length to fit rod or piston grooves. **NOTE: Product is sold 'by the foot'. TQ16 = Sold in rolls of 16 feet each.**



PART NUMBERS

MGF - 5.6 X 2.5

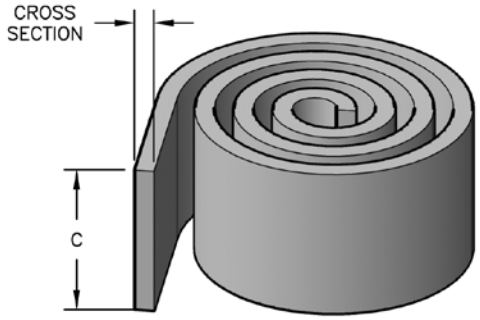
Type of Seal | Width | Thickness

SEAL INFORMATION	
MATERIAL	FABRIC REINFORCED POLYESTER
TEMPERATURE RANGE	-30° TO +265° F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	24,000 PSI

Part Number	C Nom. Ht	Nom. Cross Section
MGF-5.6X2.5	5.6	2.5
MGF-9.7X2.5	9.7	2.5
MGF-9.7X2.5-TQ16	9.7	2.5
MGF-9.7X4-TQ16	9.7	4
MGF-13X2.5	13	2.5
MGF-15X2.5	15	2.5
MGF-15X2.5-TQ16	15	2.5
MGF-20X2.5	20	2.5
MGF-20X2.5-TQ16	20	2.5
MGF-25X2.5	25	2.5
MGF-25X2.5-TQ16	25	2.5
MGF-25X4-TQ16	25	4

BOXED MGF STYLE FLEXIBLE GUIDE BEARINGS

Our MGF style flexible guide bearings, with a 2.5mm radial thickness, offered in a boxed quantity. The strip can be cut to any length using anvil type pruning shears.
Product length is 32' per box.



PART NUMBERS

MGF - 9.7 X 2.5 - 506 - BOX

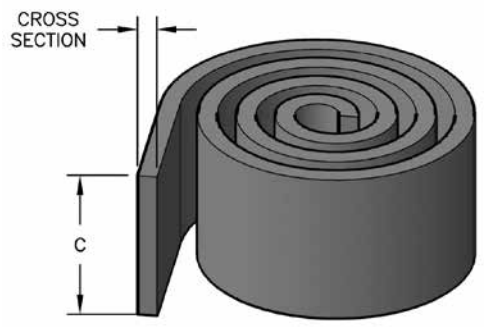
Type of Seal | Width | Thickness

SEAL INFORMATION	
MATERIAL	FABRIC REINFORCED POLYESTER
TEMPERATURE RANGE	-30° TO +265° F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	24,000 PSI

Part Number	C Nom. Ht	Nom. Cross Section
MGF-5.6X2.5-506-BOX	5.6	2.5
MGF-9.7X2.5-506-BOX	9.7	2.5
MGF-15X2.5-506-BOX	15	2.5
MGF-20X2.5-506-BOX	20	2.5
MGF-25X2.5-506-BOX	25	2.5

STYLE MGB FLEXIBLE GUIDE BEARINGS

Manufactured to a large variety of widths and thicknesses, this material affords low friction capabilities but with low compressive strength. The material also has the capability of ingesting metal particles and keeping them from the seal area. **NOTE: Product is sold 'by the foot'.**



PART NUMBERS

MGB - 4 X 2.5

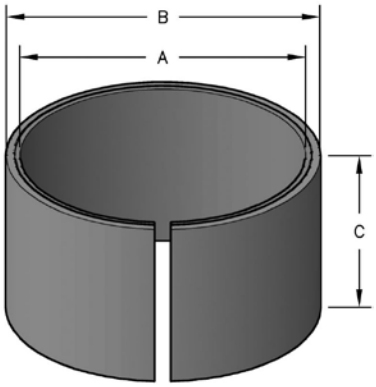
Type of Seal | Width | Thickness

SEAL INFORMATION	
MATERIAL	60% BRONZE FILLED PTFE
TEMPERATURE RANGE	-50° TO +390° F
SPEED	12 FT/SEC
COMPRESSIVE STRENGTH	1,700 PSI

Part Number	C Nom. Ht	Nom. Cross Section
MGB-4X2.5	4	2.5
MGB-5.5X2.5	5.5	2.5
MGB-6X4	6	4
MGB-6.1X2.5	6.1	2.5
MGB-7.9X2.5	7.9	2.5
MGB-7.9X4	7.9	4
MGB-8X2	8	2
MGB-8.9X4	8.9	4
MGB-9.5X2.5	9.5	2.5
MGB-9.5X4	9.5	4
MGB-9.5X4-NT	9.5	4
MGB-10X2	10	2
MGB-12X4	12	4
MGB-14X3.5	14	3.5
MGB-14.5X4	14.5	4
MGB-15X2	15	2
MGB-15X2.5	15	2.5
MGB-20X2	20	2
MGB-20X2.5	20	2.5
MGB-24.5X2.5	24.5	2.5
MGB-30X2.5	30	2.5
MGB-50X2	50	2
MGB-9.7X4	9.7	4

STYLE MDU ROD BUSHINGS

With a steel body, bronze liner, and PTFE / lead overlay, these bushings possess excellent wearability and tremendous compressive strength.



PART NUMBERS

MDU - 6 X 8 X 6

Style Prefix — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	BRONZE LINING PTFE/LEAD OVERLAY STEEL BACKING
TEMPERATURE RANGE	-325° TO +536° F
SPEED	12 FT/SEC
COMPRESSIVE STRENGTH	44,000 PSI

Suffix:
C - Copper Outside Diameter finish, electroplated

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDU-16X18X15	16	18	15
MDU-20X23X15	20	23	15
MDU-20X23X25	20	23	25
MDU-20X23X40	20	23	40
MDU-22X25X20	22	25	20
MDU-25X28X15	25	28	15
MDU-25X28X20	25	28	20
MDU-25X28X25	25	28	25
MDU-25X28X30	25	28	30
MDU-25X28X40	25	28	40
MDU-30X34X12	30	34	12
MDU-30X34X20-C	30	34	20
MDU-30X34X25	30	34	25
MDU-30X34X25-C	30	34	25
MDU-30X34X40	30	34	40
MDU-32X36X40	32	36	40
MDU-35X39X25	35	39	25
MDU-35X39X25-C	35	39	25
MDU-35X39X50	35	39	50
MDU-38X42X32	38	42	32
MDU-40X44X20	40	44	20
MDU-40X44X25	40	44	25
MDU-40X44X30	40	44	30
MDU-40X44X30-C	40	44	30
MDU-40X44X35	40	44	35
MDU-40X44X40	40	44	40
MDU-40X44X50	40	44	50
MDU-45X50X20	45	50	20
MDU-45X50X25-C	45	50	25
MDU-45X50X30	45	50	30
MDU-45X50X30-C	45	50	30
MDU-45X50X50	45	50	50
MDU-50X55X12	50	55	12
MDU-50X55X25	50	55	25
MDU-50X55X30	50	55	30
MDU-50X55X40	50	55	40
MDU-50X55X50	50	55	50

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDU-50X55X60	50	55	60
MDU-55X60X12	55	60	12
MDU-55X60X25	55	60	25
MDU-55X60X30	55	60	30
MDU-55X60X30-C	55	60	30
MDU-55X60X35-C	55	60	35
MDU-55X60X40	55	60	40
MDU-55X60X50	55	60	50
MDU-55X60X60	55	60	60
MDU-56X61X15	56	61	15
MDU-56X61X30	56	61	30
MDU-56X61X35	56	61	35
MDU-56X61X40	56	61	40
MDU-60X65X15	60	65	15
MDU-60X65X30	60	65	30
MDU-60X65X35	60	65	35
MDU-60X65X35-C	60	65	35
MDU-60X65X40	60	65	40
MDU-60X65X50	60	65	50
MDU-60X65X70	60	65	70
MDU-65X70X15	65	70	15
MDU-65X70X25-C	65	70	25
MDU-65X70X30	65	70	30
MDU-65X70X35	65	70	35
MDU-65X70X40	65	70	40
MDU-65X70X60	65	70	60
MDU-70X75X15	70	75	15
MDU-70X75X20	70	75	20
MDU-70X75X25-C	70	75	25
MDU-70X75X30	70	75	30
MDU-70X75X30-C	70	75	30
MDU-70X75X35-C	70	75	35
MDU-70X75X40	70	75	40
MDU-70X75X40-C	70	75	40
MDU-70X75X50	70	75	50
MDU-75X80X25	75	80	25
MDU-75X80X30	75	80	30

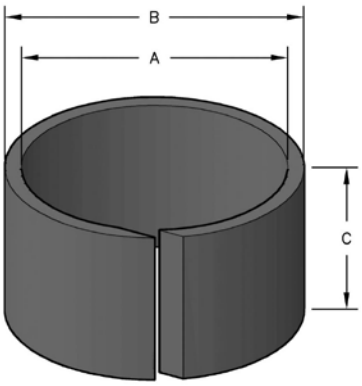
STYLE MDU ROD BUSHINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDU-75X80X35	75	80	35
MDU-75X80X40	75	80	40
MDU-75X80X40-C	75	80	40
MDU-75X80X50	75	80	50
MDU-75X80X60	75	80	60
MDU-80X85X15	80	85	15
MDU-80X85X30	80	85	30
MDU-80X85X35-C	80	85	35
MDU-80X85X40	80	85	40
MDU-80X85X40-C	80	85	40
MDU-80X85X50	80	85	50
MDU-80X85X60	80	85	60
MDU-85X90X30	85	90	30
MDU-85X90X40	85	90	40
MDU-85X90X50	85	90	50
MDU-85X90X70	85	90	70
MDU-90X95X20	90	95	20
MDU-90X95X30	90	95	30
MDU-90X95X30-C	90	95	30
MDU-90X95X35	90	95	35
MDU-90X95X40	90	95	40
MDU-90X95X40-C	90	95	40
MDU-90X95X45	90	95	45
MDU-90X95X60	90	95	60
MDU-95X100X30	95	100	30
MDU-95X100X35	95	100	35
MDU-95X100X40	95	100	40
MDU-95X100X40-C	95	100	40
MDU-95X100X50	95	100	50
MDU-100X105X20	100	105	20
MDU-100X105X30	100	105	30
MDU-100X105X35	100	105	35
MDU-100X105X40	100	105	40
MDU-100X105X40-C	100	105	40
MDU-100X105X50	100	105	50
MDU-100X105X60	100	105	60
MDU-105X110X35	105	110	35
MDU-105X110X40	105	110	40
MDU-105X110X40-C	105	110	40
MDU-105X110X50	105	110	50
MDU-105X110X60	105	110	60
MDU-110X115X20	110	115	20
MDU-110X115X35	110	115	35
MDU-110X115X40	110	115	40
MDU-110X115X45	110	115	45
MDU-110X115X50	110	115	50
MDU-110X115X50-C	110	115	50
MDU-110X115X55	110	115	55
MDU-110X115X60	110	115	60
MDU-115X120X35	115	120	35
MDU-115X120X45	115	120	45
MDU-115X120X50	115	120	50
MDU-115X120X60	115	120	60
MDU-120X125X20	120	125	20
MDU-120X125X35	120	125	35
MDU-120X125X40	120	125	40
MDU-120X125X45-C	120	125	45
MDU-120X125X50	120	125	50

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDU-120X125X60	120	125	60
MDU-125X130X35	125	130	35
MDU-125X130X50	125	130	50
MDU-130X135X35	130	135	35
MDU-130X135X40	130	135	40
MDU-130X135X45	130	135	45
MDU-130X135X50	130	135	50
MDU-130X135X50-C	130	135	50
MDU-130X135X60	130	135	60
MDU-130X135X80	130	135	80
MDU-135X140X60	135	140	60
MDU-140X145X35	140	145	35
MDU-140X145X40	140	145	40
MDU-140X145X50	140	145	50
MDU-140X145X55	140	145	55
MDU-140X145X60	140	145	60
MDU-140X145X70	140	145	70
MDU-150X155X40	150	155	40
MDU-150X155X60	150	155	60
MDU-160X165X40	160	165	40
MDU-160X165X50	160	165	50
MDU-160X165X80	160	165	80
MDU-180X185X90	180	185	90

STYLE MRB ROD BUSHINGS

Molded from a sturdy nylon material, these bushings are found chiefly in Ford metric cylinders.



PART NUMBERS

MRB - 50 X 56 X 18

Type of Seal — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +250° F
SPEED	3 FT/SEC
COMPRESSIVE STRENGTH	25,000 PSI
TENSILE STRENGTH	27,000 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MRB-50X56X18	50	56	18
MRB-50X56X28	50	56	28
MRB-56X62X28	56	62	28
MRB-63X69X28	63	69	28

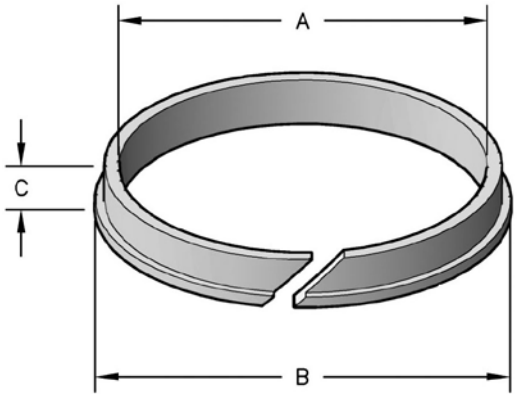
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MWRA-L ROD BUSHINGS

Primarily a British design, this ring can be installed one or two in a groove. Excellent wear characteristics.

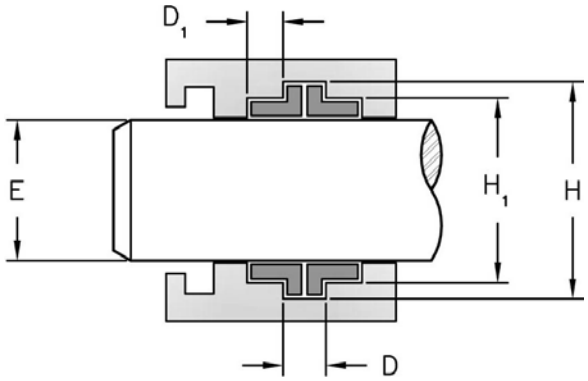


PART NUMBERS

MWRA - 45 X 53 X 18-L

Type of Seal | Inside Diameter | Outside Diameter | Height

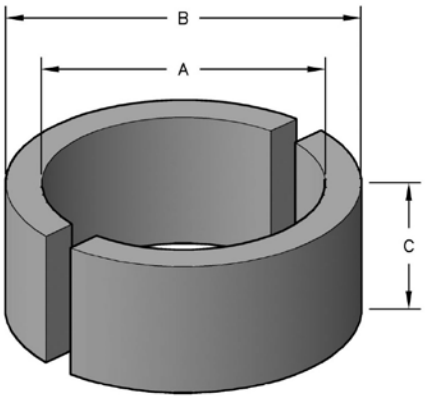
SEAL INFORMATION	
MATERIAL	ACETAL
TEMPERATURE RANGE	-40° TO +230° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	D_1 BEARING GROOVE WIDTH	E ROD DIAMETER	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER
MWRA-45X53X18-L	45	53	18	8.00	14.00	45.00	53.00	50.00
MWRA-60X68X18-L	60	68	18	8.00	14.00	60.00	68.00	65.00
MWRA-60X71X16-L	60	71	16	10.00	11.00	60.00	71.00	66.00
MWRA-75X83X18-L	75	83	18	8.00	14.00	75.00	83.00	80.00
MWRA-78X89X16-L	78	89	16	10.00	11.00	78.00	89.00	84.00
MWRA-92X100X18-L	92	100	18	8.00	14.00	92.00	100.00	97.00
MWRA-99X110X16-L	99	110	16	10.00	11.00	99.00	110.00	105.00
MWRA-120X131X16-L	120	131	16	10.00	11.00	120.00	131.00	126.00
MWRA-141X152X16-L	141	152	16	10.00	11.00	141.00	152.00	147.00
MWRA-162X173X16-L	162	173	16	10.00	11.00	162.00	173.00	168.00
MWRA-183X194X16-L	183	194	16	10.00	11.00	183.00	194.00	189.00
MWRA-207X218X16-L	207	218	16	10.00	11.00	207.00	218.00	213.00

STYLE MBB PISTON BUSHINGS

Installed as 2 halves in a closed groove, these bushings are found in many Japanese lift trucks.



PART NUMBERS

MBB - 60 X 80 X 19.6

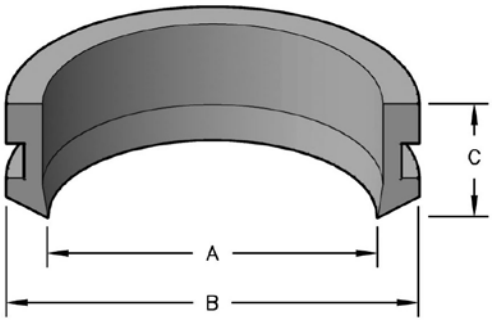
Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	660 BRONZE
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBB-60X80X19.6	60	80	19.6
MBB-70X90X24.6	70	90	24.6
MBB-85X105X24.6	85	105	24.6

STYLE WRFAI WEAR RINGS

WRFAI split bearings are manufactured of an extremely abrasion-resistant and low-friction POM-PTFE Bronze compound. The excellent dry-running properties allow installation behind the primary rod seal. The WRFAI utilizes a scraper edge for integrated wiping function and contaminant removal. These are genuine Hunger® parts.

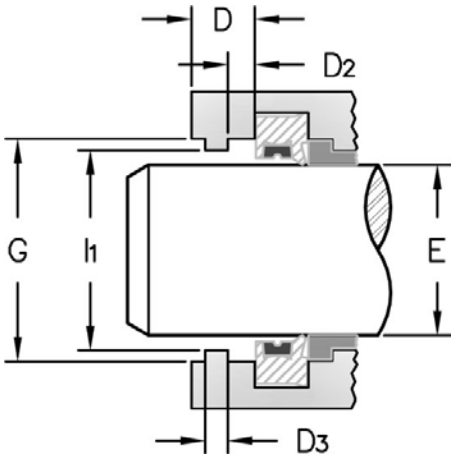


PART NUMBERS

WRFAI - 22 X 19

Type of Seal | Inside Diameter | Width

SEAL INFORMATION	
MATERIAL	POM - PTFE / BZ
TEMPERATURE RANGE	-65° TO +248° F



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	I_1 PROTRUSION DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFAI22X19	22	28	19	17.00 +0.12 +0.05	22.00 -0.040 -0.073	28.00 +0.052 +0.000	25.00 +0.052 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI28X19	28	34	19	17.00 +0.12 +0.05	28.00 -0.040 -0.073	34.00 +0.062 +0.000	31.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI32X19	32	38	19	17.00 +0.12 +0.05	32.00 -0.050 -0.089	38.00 +0.062 +0.000	35.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI35X19	35	41	19	17.00 +0.12 +0.05	35.00 -0.050 -0.089	41.00 +0.062 +0.000	38.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI36X19	36	42	19	17.00 +0.12 +0.05	36.00 -0.050 -0.089	42.00 +0.062 +0.000	39.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI40X19	40	46	19	17.00 +0.12 +0.05	40.00 -0.050 -0.089	46.00 +0.062 +0.000	43.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI45X19	45	51	19	17.00 +0.12 +0.05	45.00 -0.050 -0.089	51.00 +0.074 +0.000	48.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI50X19	50	56	19	17.00 +0.12 +0.05	50.00 -0.050 -0.089	56.00 +0.074 +0.000	53.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI55X19	55	61	19	17.00 +0.12 +0.05	55.00 -0.060 -0.106	61.00 +0.074 +0.000	58.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI56X19	56	62	19	17.00 +0.12 +0.05	56.00 -0.060 -0.106	62.00 +0.074 +0.000	59.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFAI60X24	60	70	24	21.00 +0.149 +0.065	60.00 -0.060 -0.106	70.00 +0.074 +0.000	65.00 +0.074 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI63X24	63	73	24	21.00 +0.149 +0.065	63.00 -0.060 -0.106	73.00 +0.074 +0.000	68.00 +0.074 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI70X24	70	80	24	21.00 +0.149 +0.065	70.00 -0.060 -0.106	80.00 +0.074 +0.000	75.00 +0.074 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098

STYLE WRFAI WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	I_1 PROTRUSION DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFAI80X24	80	90	24	21.00 +0.149 +0.065	80.00 -0.060 -0.106	90.00 +0.087 +0.000	85.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI90X24	90	100	24	21.00 +0.149 +0.065	90.00 -0.072 -0.126	100.00 +0.087 +0.000	95.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI100X24	100	110	24	21.00 +0.149 +0.065	100.00 -0.072 -0.126	110.00 +0.087 +0.000	105.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI110X24	110	120	24	21.00 +0.149 +0.065	110.00 -0.072 -0.126	120.00 +0.087 +0.000	115.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI125X24	125	135	24	21.00 +0.149 +0.065	125.00 -0.085 -0.148	135.00 +0.10 +0.00	130.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI130X24	130	140	24	21.00 +0.149 +0.065	130.00 -0.085 -0.148	140.00 +0.10 +0.00	135.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI140X24	140	150	24	21.00 +0.149 +0.065	140.00 -0.085 -0.148	150.00 +0.10 +0.00	145.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFAI150X35	150	162	35	31.00 +0.18 +0.08	150.00 -0.085 -0.148	162.00 +0.10 +0.00	156.00 +0.10 +0.00	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFAI160X35	160	172	35	31.00 +0.18 +0.08	160.00 -0.085 -0.148	172.00 +0.10 +0.00	166.00 +0.10 +0.00	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFAI240X35	240	252	35	31.00 +0.18 +0.08	240.00 -0.100 -0.172	252.00 +0.13 +0.00	246.00 +0.115 +0.000	10.00 +0.098 +0.040	15.00 -0.05 -0.12

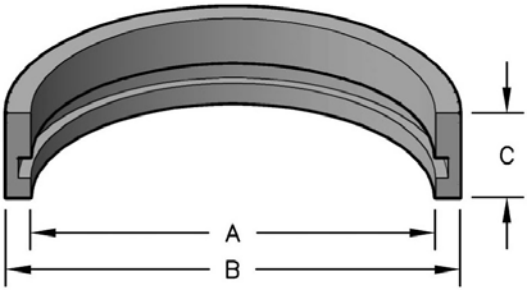
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE WRFA WEAR RINGS

WRFA bearings are manufactured of an extremely abrasion-resistant and low-friction POM-PTFE Bronze compound. Rings are split for easy installation and multiple rings may be arranged adjacent to each other with joints staggered. These are genuine Hunger® parts.

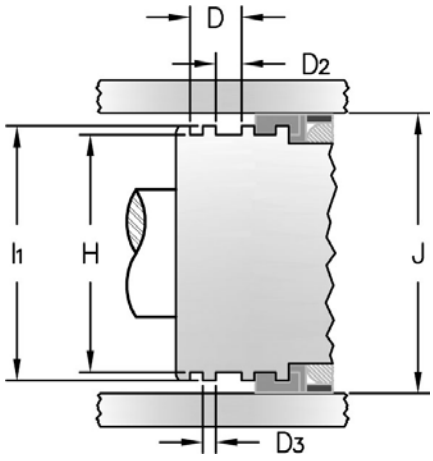


PART NUMBERS

WRFA - 40 X 12

Type of Seal | Outside Diameter | Width

SEAL INFORMATION	
MATERIAL	POM - PTFE / BZ
TEMPERATURE RANGE	-65 TO +248° F
SPEED	12 FT/SEC



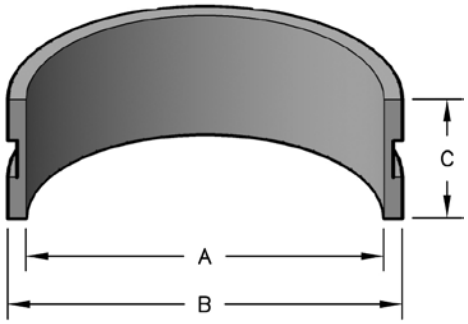
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	l_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFA 40X12	32	40	12	12.00 +0.12 +0.05	32.00 -0.025 -0.064	36.00 -0.025 -0.064	40.00 +0.039 +0.000	4.70 +0.078 +0.030	3.50 -0.030 -0.078
WRFA 50X12	42	50	12	12.00 +0.12 +0.05	42.00 -0.025 -0.064	46.00 -0.025 -0.064	50.00 +0.039 +0.000	6.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 60X8.5		60	8.5	8.50 +0.098 +0.040			60.00 +0.046 +0.000		
WRFA 60X12	52	60	12	12.00 +0.12 +0.05	52.00 -0.030 -0.076	56.00 -0.030 -0.076	60.00 +0.046 +0.000	6.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 63X12	55	63	12	12.00 +0.12 +0.05	55.00 -0.030 -0.076	59.00 -0.030 -0.076	63.00 +0.046 +0.000	6.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 70X8.5		70	8.5	8.50 +0.098 +0.040			70.00 +0.046 +0.000		
WRFA 70X12	62	70	12	12.00 +0.12 +0.05	62.00 -0.030 -0.076	66.00 -0.030 -0.076	70.00 +0.046 +0.000	6.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 75X12	67	75	12	12.00 +0.12 +0.05	67.00 -0.030 -0.076	71.00 -0.030 -0.076	75.00 +0.046 +0.000	6.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 80X14	72	80	14	14.00 +0.12 +0.05	72.00 -0.030 -0.076	76.00 -0.030 -0.076	80.00 +0.046 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 90X14	82	90	14	14.00 +0.12 +0.05	82.00 -0.036 -0.090	86.00 -0.036 -0.090	90.00 +0.054 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 100X10.6	92	100	10.6	10.60 +0.12 +0.05	92.00 -0.036 -0.090	96.00 -0.036 -0.090	100.00 +0.054 +0.000	3.80 +0.078 +0.030	3.00 -0.02 -0.06
WRFA 100X14	92	100	14	14.00 +0.12 +0.05	92.00 -0.036 -0.090	96.00 -0.036 -0.090	100.00 +0.054 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA 105X14	97	105	14	14.00 +0.12 +0.05	97.00 -0.036 -0.090	101.00 -0.036 -0.090	105.00 +0.054 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06

STYLE WRFA WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	I_1 PROTRUSION DIAMETER	J BORE DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFA115X14	107	115	14	14.00 +0.12 +0.05	107.00 -0.036 -0.090	111.00 -0.036 -0.090	115.00 +0.054 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA120X14	112	120	14	14.00 +0.12 +0.05	112.00 -0.036 -0.090	116.00 -0.036 -0.090	120.00 +0.054 +0.000	7.20 +0.098 +0.040	3.00 -0.02 -0.06
WRFA125X17.5	115	125	17.5	17.50 +0.12 +0.05	115.00 -0.036 -0.090	121.00 -0.043 -0.106	125.00 +0.063 +0.000	9.20 +0.098 +0.040	4.00 -0.030 -0.078
WRFA140X17.5	130	140	17.5	17.50 +0.12 +0.05	130.00 -0.043 -0.106	136.00 -0.043 -0.106	140.00 +0.063 +0.000	9.20 +0.098 +0.040	4.00 -0.030 -0.078
WRFA160X17.5	150	160	17.5	17.50 +0.12 +0.05	150.00 -0.043 -0.106	156.00 -0.043 -0.106	160.00 +0.063 +0.000	9.20 +0.098 +0.040	4.00 -0.030 -0.078
WRFA180X15.6		180	15.6	15.60 +0.12 +0.05			180.00 +0.063 +0.000		
WRFA180X20	170	180	20	20.00 +0.149 +0.065	170.00 -0.043 -0.106	176.00 -0.043 -0.106	180.00 +0.063 +0.000	9.20 +0.098 +0.040	6.00 -0.030 -0.078
WRFA180X24	170	180	24	24.00 +0.149 +0.065	170.00 -0.043 -0.106	175.00 -0.043 -0.106	180.00 +0.063 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFA190X20	180	190	20	20.00 +0.149 +0.065	180.00 -0.043 -0.106	186.00 -0.050 -0.122	190.00 +0.072 +0.000	11.70 +0.12 +0.05	4.50 -0.030 -0.078
WRFA200X20	190	200	20	20.00 +0.149 +0.065	190.00 -0.050 -0.122	196.00 -0.050 -0.122	200.00 +0.072 +0.000	11.70 +0.12 +0.05	4.50 -0.030 -0.078
WRFA220X25	210	220	25	25.00 +0.149 +0.065	210.00 -0.050 -0.122	216.00 -0.050 -0.122	220.00 +0.072 +0.000	11.70 +0.12 +0.05	8.00 -0.040 -0.098
WRFA225X25	215	225	25	25.00 +0.149 +0.065	215.00 -0.050 -0.122	221.00 -0.050 -0.122	225.00 +0.072 +0.000	11.70 +0.12 +0.05	8.00 -0.040 -0.098
WRFA230X25	220	230	25	25.00 +0.149 +0.065	220.00 -0.050 -0.122	226.00 -0.050 -0.122	230.00 +0.072 +0.000	11.70 +0.12 +0.05	8.00 -0.040 -0.098
WRFA275X33	265	275	33	33.00 +0.18 +0.08	265.00 -0.056 -0.137	271.00 -0.056 -0.137	275.00 +0.081 +0.000	11.70 +0.12 +0.05	15.00 -0.05 -0.12
WRFA280X27.5		280	27.5	27.50 +0.149 +0.065			280.00 +0.081 +0.000		
WRFA280X33	270	280	33	33.00 +0.18 +0.08	270.00 -0.056 -0.137	276.00 -0.056 -0.137	280.00 +0.081 +0.000	11.70 +0.12 +0.05	15.00 -0.05 -0.12
WRFA300X33	290	300	33	33.00 +0.18 +0.08	290.00 -0.056 -0.137	296.00 -0.056 -0.137	300.00 +0.081 +0.000	11.70 +0.12 +0.05	15.00 -0.05 -0.12
WRFA310X35	298	310	35	35.00 +0.18 +0.08	298.00 -0.056 -0.137	304.00 -0.056 -0.137	310.00 +0.081 +0.000	13.25 +0.12 +0.05	8.50 -0.040 -0.098
WRFA400X35	388	400	35	35.00 +0.18 +0.08	388.00 -0.062 -0.151	394.00 -0.062 -0.151	400.00 +0.089 +0.000	13.25 +0.12 +0.05	8.50 -0.040 -0.098

STYLE WRFI WEAR RINGS

WRFI bearings are manufactured of an extremely abrasion-resistant and low-friction POM-PTFE Bronze compound. The excellent dry-running properties allow installation behind the primary rod-seal. These are genuine Hunger® parts.

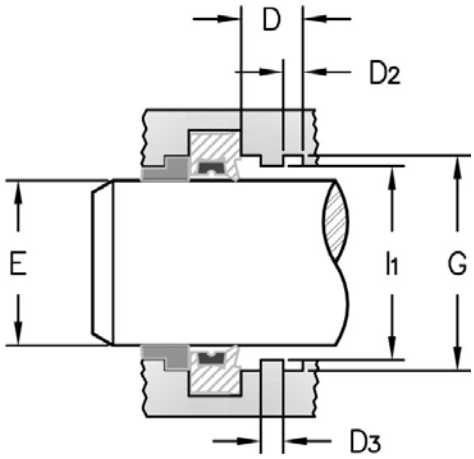


PART NUMBERS

WRFI - 22 X 19

Type of Seal | Inside Diameter | Width

SEAL INFORMATION	
MATERIAL	POM - PTFE / BZ
TEMPERATURE RANGE	-65 TO +248° F
SPEED	12 FT/SEC



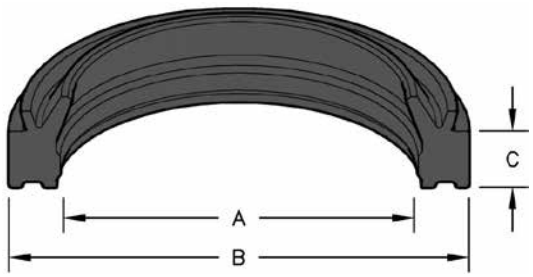
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	I_1 PROTRUSION DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFI22X19	22	28	19	19.00 +0.149 +0.065	22.00 -0.040 -0.073	28.00 +0.052 +0.000	25.00 +0.052 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI35X19	35	41	19	19.00 +0.149 +0.065	35.00 -0.050 -0.089	41.00 +0.062 +0.000	38.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI36X19	36	42	19	19.00 +0.149 +0.065	36.00 -0.050 -0.089	42.00 +0.062 +0.000	39.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI40X19	40	46	19	19.00 +0.149 +0.065	40.00 -0.050 -0.089	46.00 +0.062 +0.000	43.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI45X19	45	51	19	19.00 +0.149 +0.065	45.00 -0.050 -0.089	51.00 +0.074 +0.000	48.00 +0.062 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI50X19	50	56	19	19.00 +0.149 +0.065	50.00 -0.050 -0.089	56.00 +0.074 +0.000	53.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI55X19	55	61	19	19.00 +0.149 +0.065	55.00 -0.060 -0.106	61.00 +0.074 +0.000	58.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI56X19	56	62	19	19.00 +0.149 +0.065	56.00 -0.060 -0.106	62.00 +0.074 +0.000	59.00 +0.074 +0.000	6.50 +0.098 +0.040	6.00 -0.030 -0.078
WRFI63X24	63	73	24	24.00 +0.149 +0.065	63.00 -0.060 -0.106	73.00 +0.074 +0.000	68.00 +0.074 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI70X24	70	80	24	24.00 +0.149 +0.065	70.00 -0.060 -0.106	80.00 +0.074 +0.000	75.00 +0.074 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI80X24	80	90	24	24.00 +0.149 +0.065	80.00 -0.060 -0.106	90.00 +0.087 +0.000	85.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098

STYLE WRFI WEAR RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	I_1 PROTRUSION DIAMETER	D_2 BASE GROOVE WIDTH	D_3 PROTRUSION WIDTH
WRFI90X24	90	100	24	24.00 +0.149 +0.065	90.00 -0.072 -0.126	100.00 +0.087 +0.000	95.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI95X24	95	105	24	24.00 +0.149 +0.065	95.00 -0.072 -0.126	105.00 +0.087 +0.000	100.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI100X24	100	110	24	24.00 +0.149 +0.065	100.00 -0.072 -0.126	110.00 +0.087 +0.000	105.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI105X24	105	115	24	24.00 +0.149 +0.065	105.00 -0.072 -0.126	115.00 +0.087 +0.000	110.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI110X24	110	120	24	24.00 +0.149 +0.065	110.00 -0.072 -0.126	120.00 +0.087 +0.000	115.00 +0.087 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI120X24	120	130	24	24.00 +0.149 +0.065	120.00 -0.072 -0.126	130.00 +0.10 +0.00	125.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI125X24	125	135	24	24.00 +0.149 +0.065	125.00 -0.085 -0.148	135.00 +0.10 +0.00	130.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI130X24	130	140	24	24.00 +0.149 +0.065	130.00 -0.085 -0.148	140.00 +0.10 +0.00	135.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI140X24	140	150	24	24.00 +0.149 +0.065	140.00 -0.085 -0.148	150.00 +0.10 +0.00	145.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI150X35	150	162	35	35.00 +0.18 +0.08	150.00 -0.085 -0.148	162.00 +0.10 +0.00	156.00 +0.10 +0.00	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFI160X24	160	170	24	24.00 +0.149 +0.065	160.00 -0.085 -0.148	170.00 +0.10 +0.00	165.00 +0.10 +0.00	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI160X35	160	172	35	35.00 +0.18 +0.08	160.00 -0.085 -0.148	172.00 +0.10 +0.00	166.00 +0.10 +0.00	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFI180X24	180	190	24	24.00 +0.149 +0.065	180.00 -0.085 -0.148	190.00 +0.115 +0.000	185.00 +0.115 +0.000	8.50 +0.098 +0.040	7.00 -0.040 -0.098
WRFI180X35	180	192	35	35.00 +0.18 +0.08	180.00 -0.085 -0.148	192.00 +0.115 +0.000	186.00 +0.115 +0.000	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFI200X35	200	212	35	35.00 +0.18 +0.08	200.00 -0.100 -0.172	212.00 +0.115 +0.000	206.00 +0.115 +0.000	10.00 +0.098 +0.040	15.00 -0.05 -0.12
WRFI220X35	220	232	35	35.00 +0.18 +0.08	220.00 -0.100 -0.172	232.00 +0.115 +0.000	226.00 +0.115 +0.000	10.00 +0.098 +0.040	15.00 -0.05 -0.12

STYLE MSWP SNAP-IN WIPERS

This wiper features a lip on top of the shoulder which makes contact with the throat of the groove. This serves to prevent contaminants from entering the groove.

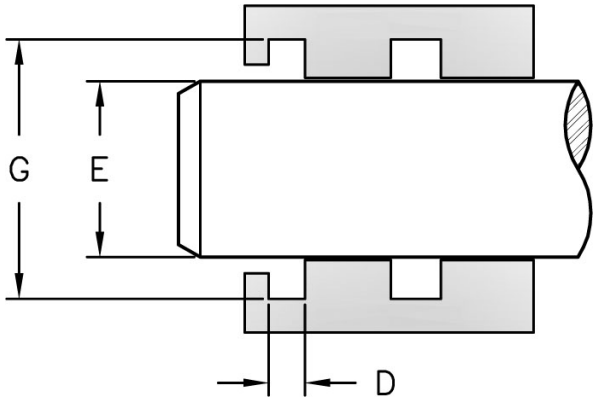


PART NUMBERS

MSWP - 20 X 28 X 4

Type of Seal	Inside Diameter	Outside Diameter	Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +220° F
SPEED	3 FT/SEC



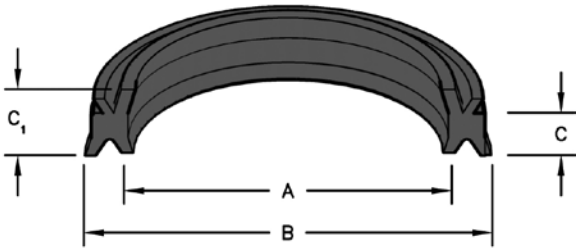
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWP-20X28X4	20	28	4	4.00 +0.20 +0.00	20.00	28.00
MSWP-22X30X4	22	30	4	4.00 +0.20 +0.00	22.00	30.00
MSWP-25X33X4	25	33	4	4.00 +0.20 +0.00	25.00	33.00
MSWP-28X36X4	28	36	4	4.00 +0.20 +0.00	28.00	36.00
MSWP-30X38X4	30	38	4	4.00 +0.20 +0.00	30.00	38.00
MSWP-32X40X4	32	40	4	4.00 +0.20 +0.00	32.00	40.00
MSWP-32X40X5	32	40	5	5.00 +0.20 +0.00	32.00	40.00
MSWP-35X43X4	35	43	4	4.00 +0.20 +0.00	35.00	43.00
MSWP-36X44X4	36	44	4	4.00 +0.20 +0.00	36.00	44.00
MSWP-40X48X4	40	48	4	4.00 +0.20 +0.00	40.00	48.00
MSWP-40X48X5	40	48	5	5.00 +0.20 +0.00	40.00	48.00
MSWP-45X53X4	45	53	4	4.00 +0.20 +0.00	45.00	53.00
MSWP-50X58X4	50	58	4	4.00 +0.20 +0.00	50.00	58.00
MSWP-50X58X5	50	58	5	5.00 +0.20 +0.00	50.00	58.00
MSWP-55X63X4	55	63	4	4.00 +0.20 +0.00	55.00	63.00
MSWP-56X64X4	56	64	4	4.00 +0.20 +0.00	56.00	64.00

STYLE MSWP SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWP-60X68X4	60	68	4	4.00 +0.20 +0.00	60.00	68.00
MSWP-63X71X4	63	71	4	4.00 +0.20 +0.00	63.00	71.00
MSWP-65X73X4	65	73	4	4.00 +0.20 +0.00	65.00	73.00
MSWP-70X78X4	70	78	4	4.00 +0.20 +0.00	70.00	78.00
MSWP-70X80X6.3	70	80	6.3	6.30 +0.20 +0.00	70.00	80.00
MSWP-75X83X4	75	83	4	4.00 +0.20 +0.00	75.00	83.00
MSWP-80X88X4	80	88	4	4.00 +0.20 +0.00	80.00	88.00
MSWP-80X90X6.3	80	90	6.3	6.30 +0.20 +0.00	80.00	90.00
MSWP-85X93X4	85	93	4	4.00 +0.20 +0.00	85.00	93.00
MSWP-90X98X4	90	98	4	4.00 +0.20 +0.00	90.00	98.00
MSWP-100X108X4	100	108	4	4.00 +0.20 +0.00	100.00	108.00
MSWP-100X115X9.5	100	115	9.5	9.50 +0.20 +0.00	100.00	115.00
MSWP-140X152X5.5	140	152	5.5	5.50 +0.20 +0.00	140.00	152.00

STYLE MPRW WIPERS

Double lip wiper with integrated pressure relief function incorporating special sealing and wiping edges.

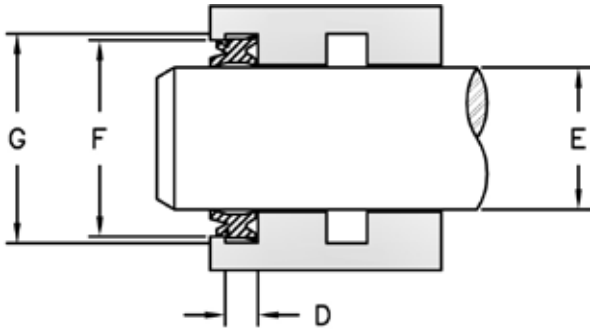


PART NUMBERS

MPRW - 22 X 30 X 3.6

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	94A URETHANE
TEMPERATURE RANGE	-34° TO +255° F
SPEED	1.65 FT/SEC

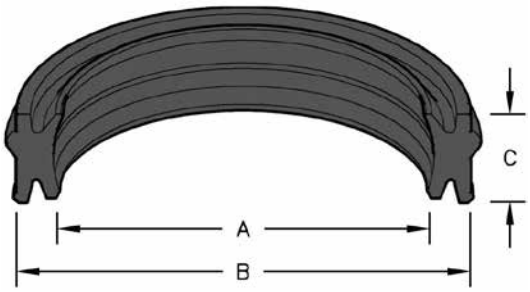


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MPRW-22X30X3.6	22	30	3.6	7.00	4.00 +0.20 +0.00	22.00	28.00 +0.084 +0.000	30.00 +0.084 +0.000
MPRW-25X33X3.6	25	33	3.6	7.00	4.00 +0.20 +0.00	25.00	31.00 +0.10 +0.00	33.00 +0.10 +0.00
MPRW-28X36X3.6	28	36	3.6	7.00	4.00 +0.20 +0.00	28.00	34.00 +0.10 +0.00	36.00 +0.10 +0.00
MPRW-30X38X3.6	30	38	3.6	7.00	4.00 +0.20 +0.00	30.00	36.00 +0.10 +0.00	38.00 +0.10 +0.00
MPRW-32X40X3.6	32	40	3.6	7.00	4.00 +0.20 +0.00	32.00	38.00 +0.10 +0.00	40.00 +0.10 +0.00
MPRW-35X43X3.6	35	43	3.6	7.00	4.00 +0.20 +0.00	35.00	41.00 +0.10 +0.00	43.00 +0.10 +0.00
MPRW-38X46X3.6	38	46	3.6	7.00	4.00 +0.20 +0.00	38.00	44.00 +0.10 +0.00	46.00 +0.10 +0.00
MPRW-40X48X3.6	40	48	3.6	7.00	4.00 +0.20 +0.00	40.00	46.00 +0.10 +0.00	48.00 +0.10 +0.00
MPRW-43X51X3.6	43	51	3.6	7.00	4.00 +0.20 +0.00	43.00	49.00 +0.10 +0.00	51.00 +0.12 +0.00
MPRW-48X58X6	48	58	6	9.00	6.30 +0.20 +0.00	48.00	55.00 +0.12 +0.00	58.00 +0.12 +0.00
MPRW-50X58X3.6	50	58	3.6	7.00	4.00 +0.20 +0.00	50.00	56.00 +0.12 +0.00	58.00 +0.12 +0.00
MPRW-50X60X6	50	60	6	9.00	6.30 +0.20 +0.00	50.00	57.00 +0.12 +0.00	60.00 +0.12 +0.00
MPRW-55X63X3.6	55	63	3.6	7.00	4.00 +0.20 +0.00	55.00	61.00 +0.12 +0.00	63.00 +0.12 +0.00
MPRW-60X70X6	60	70	6	9.00	6.30 +0.20 +0.00	60.00	67.00 +0.12 +0.00	70.00 +0.12 +0.00
MPRW-70X80X6	70	80	6	9.00	6.30 +0.20 +0.00	70.00	77.00 +0.12 +0.00	80.00 +0.12 +0.00
MPRW-85X95X6	85	95	6	9.00	6.30 +0.20 +0.00	85.00	92.00 +0.14 +0.00	95.00 +0.14 +0.00

Seal color may vary.

STYLE MK51 WIPERS

MK51 is a polyurethane pneumatic combo seal that is used as both a rod seal and wiper.

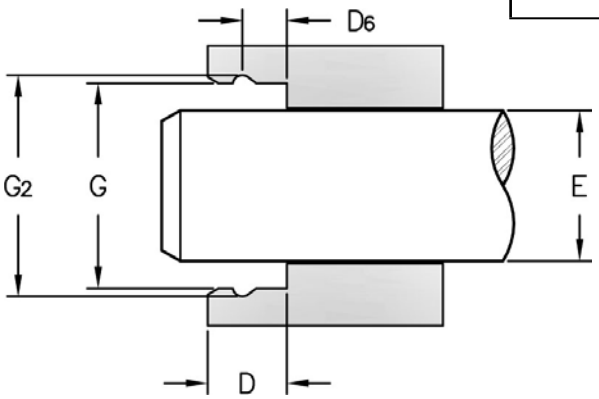


PART NUMBERS

MK51 - 12 X 22 X 10.4

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	92A POLYURETHANE
TEMPERATURE RANGE	-22° F, +200° F
MAXIMUM PRESSURE	230 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER	G_2 HOOK HOUSING DIAMETER	D_6
MK51-12X22X10.4	12	22	10.4	13.00 +0.50 +0.00	12.00 -0.016 -0.059	22.00 +0.084 +0.000	24.20 ±0.10	7.70 +0.20 +0.00
MK51-16X26X10.4	16	26	10.4	13.00 +0.50 +0.00	16.00 -0.016 -0.059	26.00 +0.084 +0.000	28.20 ±0.10	7.70 +0.20 +0.00
MK51-18X28X10.4	18	28	10.4	13.00 +0.50 +0.00	18.00 -0.016 -0.059	28.00 +0.084 +0.000	30.20 ±0.10	7.70 +0.20 +0.00
MK51-20X30X10.4	20	30	10.4	13.00 +0.50 +0.00	20.00 -0.020 -0.072	30.00 +0.084 +0.000	32.20 ±0.10	7.70 +0.20 +0.00
MK51-25X35X10.4	25	35	10.4	13.00 +0.50 +0.00	25.00 -0.020 -0.072	35.00 +0.10 +0.00	37.80 ±0.10	8.00 +0.20 +0.00
MK51-32X42X10.4	32	42	10.4	13.00 +0.50 +0.00	32.00 -0.025 -0.087	42.00 +0.10 +0.00	44.80 ±0.10	8.00 +0.20 +0.00
MK51-40X50X10.4	40	50	10.4	13.00 +0.50 +0.00	40.00 -0.025 -0.087	50.00 +0.10 +0.00	52.80 ±0.10	8.00 +0.20 +0.00
MK51-50X60X10.4	50	60	10.4	13.00 +0.50 +0.00	50.00 -0.025 -0.087	60.00 +0.12 +0.00	63.60 ±0.10	8.60 +0.20 +0.00

Seal color may vary.

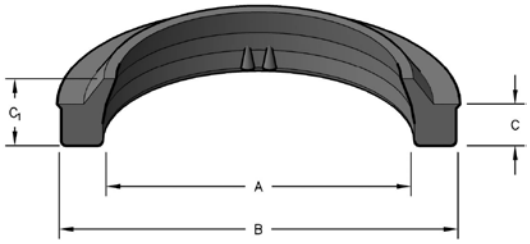
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MW38 SNAP-IN WIPERS

The style MW38 wiper is made from tough abrasion resistant polyester based material for difficult conditions found in mining and earth moving applications. It incorporates a sealing lip on the outside diameter to prevent moisture entering the groove.

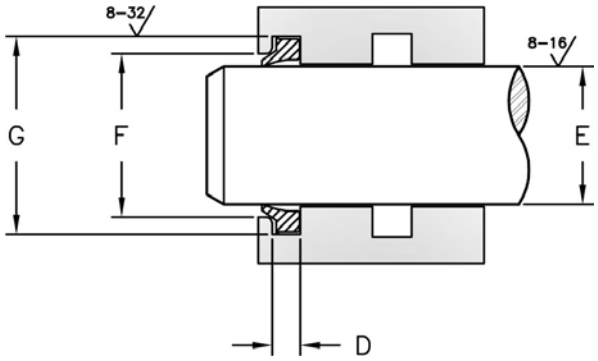


PART NUMBERS

MW38 - 20 X 28 X 5

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	55D POLYESTER
TEMPERATURE RANGE	-40° TO +250° F
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MW38-20X28X5	20	28	5	8.00	5.00 +0.20 +0.00	20.00 -0.020 -0.072	25.50 +0.13 +0.00	28.00 +0.13 +0.00
MW38-22X30X5	22	30	5	8.00	5.00 +0.20 +0.00	22.00 -0.020 -0.072	27.50 +0.13 +0.00	30.00 +0.13 +0.00
MW38-25X33X5	25	33	5	8.00	5.00 +0.20 +0.00	25.00 -0.020 -0.072	30.50 +0.16 +0.00	33.00 +0.16 +0.00
MW38-28X36X5	28	36	5	8.00	5.00 +0.20 +0.00	28.00 -0.020 -0.072	33.50 +0.16 +0.00	36.00 +0.16 +0.00
MW38-30X38X5	30	38	5	8.00	5.00 +0.20 +0.00	30.00 -0.020 -0.072	35.50 +0.16 +0.00	38.00 +0.16 +0.00
MW38-32X40X5	32	40	5	8.00	5.00 +0.20 +0.00	32.00 -0.025 -0.087	37.50 +0.16 +0.00	40.00 +0.16 +0.00
MW38-35X43X5	35	43	5	8.00	5.00 +0.20 +0.00	35.00 -0.025 -0.087	40.50 +0.16 +0.00	43.00 +0.16 +0.00
MW38-36X44X5	36	44	5	8.00	5.00 +0.20 +0.00	36.00 -0.025 -0.087	41.50 +0.16 +0.00	44.00 +0.16 +0.00
MW38-40X48X5	40	48	5	8.00	5.00 +0.20 +0.00	40.00 -0.025 -0.087	45.50 +0.16 +0.00	48.00 +0.16 +0.00
MW38-45X53X5	45	53	4.5	12.00	5.00 +0.00 -0.20	45.00 -0.025 -0.087	50.50 +0.19 +0.00	53.00 +0.19 +0.00
MW38-45X55.6X5.3	45	55.6	5.3	7.00	5.30 +0.20 +0.00	45.00 -0.025 -0.087	48.00 +0.16 +0.00	55.60 +0.19 +0.00
MW38-50X58X5	50	58	5	8.00	5.00 +0.20 +0.00	50.00 -0.025 -0.087	55.50 +0.19 +0.00	58.00 +0.19 +0.00
MW38-50X58.6X5.3	50	58.6	5.3	7.00	5.30 +0.20 +0.00	50.00 -0.025 -0.087	53.00 +0.19 +0.00	58.60 +0.19 +0.00
MW38-50X60.6X5.3	50	60.6	5.3	7.00	5.30 +0.20 +0.00	50.00 -0.025 -0.087	53.00 +0.19 +0.00	60.60 +0.19 +0.00
MW38-55X65.6X5.3	55	65.6	5.3	7.00	5.30 +0.20 +0.00	55.00 -0.030 -0.104	58.00 +0.19 +0.00	65.60 +0.19 +0.00
MW38-56X66X6.3	56	66	6.3	10.00	6.30 +0.20 +0.00	56.00 -0.030 -0.104	63.00 +0.19 +0.00	66.00 +0.19 +0.00

STYLE MW38 SNAP-IN WIPERS

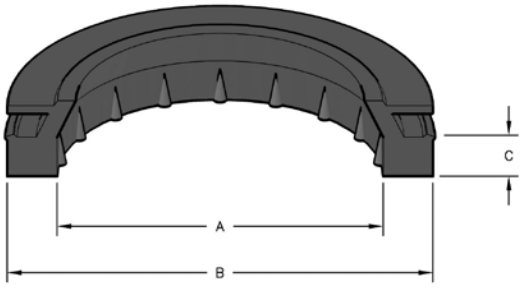
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MW38-60X70X5.3	60	70	5.3	7.00	5.30 +0.20 +0.00	60.00 -0.030 -0.104	66.00 +0.19 +0.00	70.00 +0.19 +0.00
MW38-60X70X6.3	60	70	6.3	10.00	6.30 +0.20 +0.00	60.00 -0.030 -0.104	67.00 +0.19 +0.00	70.00 +0.19 +0.00
MW38-63X73X6.3	63	73	6.3	10.00	6.30 +0.20 +0.00	63.00 -0.030 -0.104	70.00 +0.19 +0.00	73.00 +0.19 +0.00
MW38-63X73.6X5.3	63	73.6	5.3	7.00	5.30 +0.20 +0.00	63.00 -0.030 -0.104	66.00 +0.19 +0.00	73.60 +0.19 +0.00
MW38-65X75X6.3	65	75	6.3	10.00	6.30 +0.20 +0.00	65.00 -0.030 -0.104	72.00 +0.19 +0.00	75.00 +0.19 +0.00
MW38-70X80X6.3	70	80	6.3	10.00	6.30 +0.20 +0.00	70.00 -0.030 -0.104	77.00 +0.19 +0.00	80.00 +0.19 +0.00
MW38-70X80.6X5.3	70	80.6	5.3	7.00	5.30 +0.20 +0.00	70.00 -0.030 -0.104	73.00 +0.19 +0.00	80.60 +0.22 +0.00
MW38-70X82.2X7.2	70	82.2	7.2	12.00	7.20 +0.20 +0.00	70.00 -0.030 -0.104	76.00 +0.19 +0.00	82.20 +0.22 +0.00
MW38-75X83.6X5.3	75	83.6	5.3	7.00	5.30 +0.20 +0.00	75.00 -0.030 -0.104	78.00 +0.19 +0.00	83.60 +0.22 +0.00
MW38-75X85X6.3	75	85	6.3	10.00	6.30 +0.20 +0.00	75.00 -0.030 -0.104	82.00 +0.22 +0.00	85.00 +0.22 +0.00
MW38-80X90X6.3	80	90	6.3	10.00	6.30 +0.20 +0.00	80.00 -0.030 -0.104	87.00 +0.22 +0.00	90.00 +0.22 +0.00
MW38-80X92.2X7.2	80	92.2	7.2	12.00	7.20 +0.20 +0.00	80.00 -0.030 -0.104	86.00 +0.22 +0.00	92.20 +0.22 +0.00
MW38-90X100X6.3	90	100	6.3	10.00	6.30 +0.20 +0.00	90.00 -0.036 -0.123	97.00 +0.22 +0.00	100.00 +0.22 +0.00
MW38-90X102.2X7.2	90	102.2	7.2	12.00	7.20 +0.20 +0.00	90.00 -0.036 -0.123	96.00 +0.22 +0.00	102.20 +0.22 +0.00
MW38-95X107.2X7.2	95	107.2	7.2	12.00	7.20 +0.20 +0.00	95.00 -0.036 -0.123	101.00 +0.22 +0.00	107.20 +0.22 +0.00
MW38-100X110.6X5.3	100	110.6	5.3	7.00	5.30 +0.20 +0.00	100.00 -0.036 -0.123	104.00 +0.22 +0.00	110.60 +0.22 +0.00
MW38-100X112.2X7.2	100	112.2	7.2	12.00	7.20 +0.20 +0.00	100.00 -0.036 -0.123	106.00 +0.22 +0.00	112.20 +0.22 +0.00
MW38-100X115X9.5	100	115	9.5	14.00	9.50 +0.20 +0.00	100.00 -0.036 -0.123	110.00 +0.22 +0.00	115.00 +0.22 +0.00
MW38-110X122.2X7.2	110	122.2	7.2	12.00	7.20 +0.20 +0.00	110.00 -0.036 -0.123	116.00 +0.22 +0.00	122.20 +0.25 +0.00
MW38-110X125X9.5	110	125	9.5	14.00	9.50 +0.20 +0.00	110.00 -0.036 -0.123	120.00 +0.22 +0.00	125.00 +0.25 +0.00
MW38-115X127.2X7.2	115	127.2	7.2	12.00	7.20 +0.20 +0.00	115.00 -0.036 -0.123	121.00 +0.25 +0.00	127.20 +0.25 +0.00
MW38-120X132.2X7.2	120	132.2	7.2	12.00	7.20 +0.20 +0.00	120.00 -0.036 -0.123	126.00 +0.25 +0.00	132.20 +0.25 +0.00
MW38-120X135X9.5	120	135	9.5	14.00	9.50 +0.20 +0.00	120.00 -0.036 -0.123	130.00 +0.25 +0.00	135.00 +0.25 +0.00
MW38-125X137.2X7.7	125	137.2	7.7	12.00	7.70 +0.20 +0.00	125.00 -0.043 -0.143	131.00 +0.25 +0.00	137.20 +0.25 +0.00
MW38-125X140X9.5	125	140	9.5	14.00	9.50 +0.20 +0.00	125.00 -0.043 -0.143	135.00 +0.25 +0.00	140.00 +0.25 +0.00
MW38-130X142.2X7.2	130	142.2	7.2	12.00	7.20 +0.20 +0.00	130.00 -0.043 -0.143	136.00 +0.25 +0.00	142.20 +0.25 +0.00
MW38-140X152.2X7.7	140	152.2	7.7	12.00	7.70 +0.20 +0.00	140.00 -0.043 -0.143	146.00 +0.25 +0.00	152.20 +0.25 +0.00
MW38-140X155X9.5	140	155	9.5	14.00	9.50 +0.20 +0.00	140.00 -0.043 -0.143	150.00 +0.25 +0.00	155.00 +0.25 +0.00
MW38-150X162.2X7.7	150	162.2	7.7	12.00	7.70 +0.20 +0.00	150.00 -0.043 -0.143	156.00 +0.25 +0.00	162.20 +0.25 +0.00
MW38-160X175X9.5	160	175	9.5	14.00	9.50 +0.20 +0.00	160.00 -0.043 -0.143	170.00 +0.25 +0.00	175.00 +0.25 +0.00
MW38-170X182.2X7.7	170	182.2	7.7	12.00	7.70 +0.20 +0.00	170.00 -0.043 -0.143	176.00 +0.25 +0.00	182.20 +0.29 +0.00
MW38-180X195X9.5	180	195	9.5	14.00	9.50 +0.20 +0.00	180.00 -0.043 -0.143	190.00 +0.29 +0.00	195.00 +0.29 +0.00
MW38-180X200X10.2	180	200	10.2	18.00	10.20 +0.20 +0.00	180.00 -0.043 -0.143	190.00 +0.29 +0.00	200.00 +0.29 +0.00

STYLE MW38 SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MW38-200X215X9.5	200	215	9.5	14.00	9.50 +0.20 +0.00	200.00 -0.050 -0.165	210.00 +0.29 +0.00	215.00 +0.29 +0.00
MW38-200X220X10.2	200	220	10.2	18.00	10.20 +0.20 +0.00	200.00 -0.050 -0.165	210.00 +0.29 +0.00	220.00 +0.29 +0.00
MW38-210X230X10.2	210	230	10.2	18.00	10.20 +0.20 +0.00	210.00 -0.050 -0.165	220.00 +0.29 +0.00	230.00 +0.29 +0.00
MW38-220X240X12.5	220	240	12.5	18.00	12.50 +0.20 +0.00	220.00 -0.050 -0.165	233.50 +0.29 +0.00	240.00 +0.29 +0.00
MW38-240X260X10.2	240	260	10.2	18.00	10.20 +0.20 +0.00	240.00 -0.050 -0.165	250.00 +0.29 +0.00	260.00 +0.32 +0.00
MW38-250X270X10.2	250	270	10.2	18.00	10.20 +0.20 +0.00	250.00 -0.050 -0.165	260.00 +0.32 +0.00	270.00 +0.32 +0.00
MW38-260X275X9.5	260	275	9.5	14.00	9.50 +0.20 +0.00	260.00 -0.056 -0.186	270.00 +0.32 +0.00	275.00 +0.32 +0.00
MW38-260X280X10.2	260	280	10.2	18.00	10.20 +0.20 +0.00	260.00 -0.056 -0.186	270.50 +0.32 +0.00	280.00 +0.32 +0.00
MW38-350X370X10.2	350	370	10.2	18.00	10.20 +0.20 +0.00	350.00 -0.062 -0.202	360.00 +0.36 +0.00	370.00 +0.36 +0.00

STYLE MSWE-XLF WIPERS

The MSWE-XLF was developed for harsh environments, particularly longwall mining. These wipers include a dust lip to prevent contaminates from entering through the groove. They also have a ribbed inside diameter for low friction option and to prevent pressure traps between the wiper and rod seal.

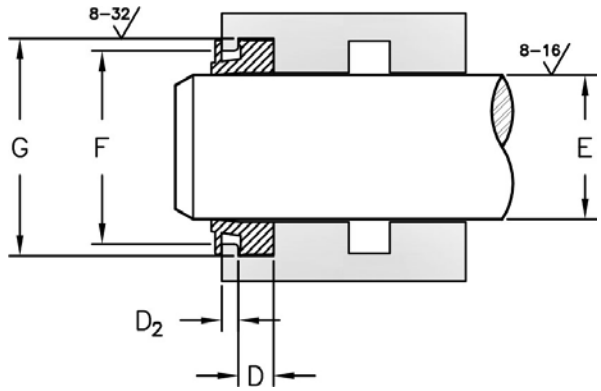


PART NUMBERS

MSWE - 35 X 45 X 5.8-XLF

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	93A URETHANE, 55D URETHANE (D SUFFIX)
TEMPERATURE RANGE	-50°F - +230°F 93A URETHANE -40°F - +212°F 55D URETHANE
MAXIMUM PRESSURE	-
SPEED	12 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
MSWE-35X45X5.8-XLF	35	45	5.8	6.30 +0.20 +0.00	35.00 -0.025 -0.087	42.00 +0.16 +0.00	45.00 +0.16 +0.00	1.50 +0.10 +0.00
MSWE-40X48X4.5-XLF	40	48	4.5	5.00 +0.20 +0.00	40.00 -0.025 -0.087	45.50 +0.16 +0.00	48.00 +0.16 +0.00	1.50 +0.10 +0.00
MSWE-45X53X4.5-XLF	45	53	4.5	5.00 +0.20 +0.00	45.00 -0.025 -0.087	50.50 +0.19 +0.00	53.00 +0.19 +0.00	1.50 +0.10 +0.00
MSWE-50X58X4.5-XLF	50	58	4.5	5.00 +0.20 +0.00	50.00 -0.025 -0.087	55.50 +0.19 +0.00	58.00 +0.19 +0.00	1.50 +0.10 +0.00
MSWE-60X70X5.8-XLF	60	70	5.8	6.30 +0.20 +0.00	60.00 -0.030 -0.104	67.00 +0.19 +0.00	70.00 +0.19 +0.00	1.50 +0.10 +0.00
MSWE-70X82.6X7.5-XLF	70	82.6	7.5	8.00 +0.20 +0.00	70.00 -0.030 -0.104	78.40 +0.19 +0.00	82.60 +0.22 +0.00	2.00 +0.10 +0.00
MSWE-105X117.6X7.5-XLF	105	117.6	7.5	8.00 +0.20 +0.00	105.00 -0.036 -0.123	112.40 +0.22 +0.00	117.60 +0.22 +0.00	2.00 +0.10 +0.00
MSWE-105X120X9-XLF	105	120	9	9.50 +0.20 +0.00	105.00 -0.036 -0.123	115.00 +0.22 +0.00	120.00 +0.22 +0.00	2.50 +0.10 +0.00
MSWE-110X122.6X7.5-XLF	110	122.6	7.5	8.00 +0.20 +0.00	110.00 -0.036 -0.123	118.40 +0.22 +0.00	122.60 +0.25 +0.00	2.00 +0.10 +0.00
MSWE-110X128X6.5-XLFD	110	128	6.5	7.00 +0.20 +0.00	110.00 -0.036 -0.123	118.40 +0.22 +0.00	128.00 +0.25 +0.00	2.00 +0.10 +0.00
MSWE-120X135X9-XLF	120	135	9	9.50 +0.20 +0.00	120.00 -0.036 -0.123	130.00 +0.25 +0.00	135.00 +0.25 +0.00	2.00 +0.10 +0.00
MSWE-130X145X9-XLF	130	145	9	9.50 +0.20 +0.00	130.00 -0.043 -0.143	140.00 +0.25 +0.00	145.00 +0.25 +0.00	2.25 +0.10 +0.00
MSWE-170X184.4X7.3-XLF	170	184.4	7.3	7.80 +0.20 +0.00	170.00 -0.043 -0.143	177.85 +0.25 +0.00	184.40 +0.29 +0.00	2.90 +0.10 +0.00
MSWE-190X205X9-XLF	190	205	9	9.50 +0.20 +0.00	190.00 -0.050 -0.165	200.00 +0.29 +0.00	205.00 +0.29 +0.00	2.00 +0.10 +0.00
MSWE-210X230X12-XLF	210	230	12	12.50 +0.20 +0.00	210.00 -0.050 -0.165	223.50 +0.29 +0.00	230.00 +0.29 +0.00	2.50 +0.10 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

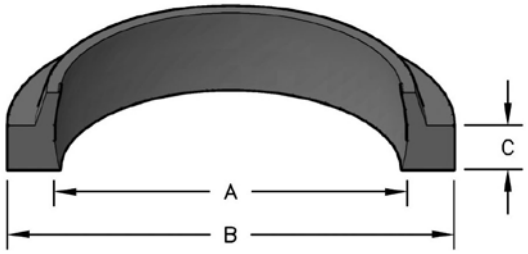
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSWE-XLF WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH
MSWE-230X255X9-XLFD	230	255	9	9.50 +0.20 +0.00	230.00 -0.050 -0.165	242.00 +0.29 +0.00	255.00 +0.32 +0.00	2.50 +0.10 +0.00
MSWE-265X290X9-XLFD	265	290	9	9.50 +0.20 +0.00	265.00 -0.056 -0.186	277.00 +0.32 +0.00	290.00 +0.32 +0.00	2.50 +0.10 +0.00
MSWE-300X320X12-XLF	300	320	12	12.50 +0.20 +0.00	300.00 -0.056 -0.186	313.50 +0.32 +0.00	320.00 +0.36 +0.00	2.50 +0.10 +0.00
MSWE-350X370X12-XLF	350	370	12	12.50 +0.20 +0.00	350.00 -0.062 -0.202	362.00 +0.36 +0.00	370.00 +0.36 +0.00	2.50 +0.10 +0.00
MSWE-350X375X9-XLFD	350	375	9	9.50 +0.20 +0.00	350.00 -0.062 -0.202	362.00 +0.36 +0.00	375.00 +0.36 +0.00	2.50 +0.10 +0.00
MSWE-380X405X9-XLFD	380	405	9	9.50 +0.20 +0.00	380.00 -0.062 -0.202	392.00 +0.36 +0.00	405.00 +0.40 +0.00	2.50 +0.10 +0.00

STYLE MSWE SNAP-IN WIPERS

Molded in urethane, this wiper is flexible enough to easily snap into a groove yet tough enough to handle difficult rod wiping applications.



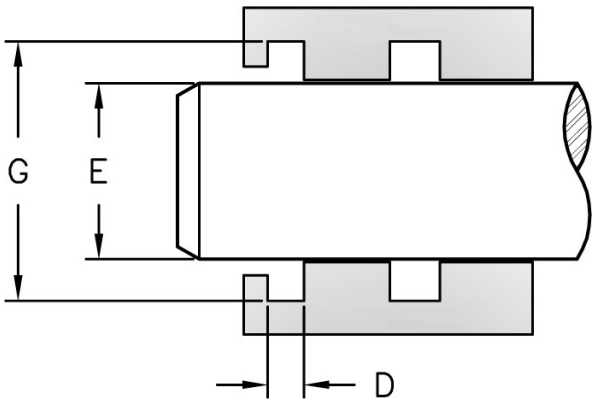
NOTE: ME = Merkel Equivalent

PART NUMBERS

MSWE - 14 X 20 X 3.8

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWE-14X20X3.8	14	20	3.8	4.00 +0.20 +0.00	14.00 -0.016 -0.043	20.00 +0.084 +0.000
MSWE-16X22X3	16	22	3	3.10 +0.20 +0.00	16.00 -0.016 -0.043	22.00 +0.084 +0.000
MSWE-18X24X3.5	18	24.6	3.5	3.60 +0.20 +0.00	18.00 -0.016 -0.043	24.60 +0.084 +0.000
MSWE-20X26X3	20	26	3	3.10 +0.20 +0.00	20.00 -0.020 -0.053	26.00 +0.084 +0.000
MSWE-20X28X5	20	28	5	5.10 +0.20 +0.00	20.00 -0.020 -0.053	28.00 +0.084 +0.000
MSWE-22X30X5	22	30	5	5.10 +0.20 +0.00	22.00 -0.020 -0.053	30.00 +0.084 +0.000
MSWE-25X33X5	25	33	5	5.10 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.10 +0.00
MSWE-28X36X5	28	36	5	5.30 +0.20 +0.00	28.00 -0.020 -0.053	36.00 +0.10 +0.00
MSWE-30X38X5	30	38	5	5.10 +0.20 +0.00	30.00 -0.020 -0.053	38.00 +0.10 +0.00
MSWE-32X40X5	32	40	5	5.10 +0.20 +0.00	32.00 -0.025 -0.064	40.00 +0.10 +0.00
MSWE-35X43X5	35	43	5	5.10 +0.20 +0.00	35.00 -0.025 -0.064	43.00 +0.10 +0.00
MSWE-36X44X5	36	44	5	5.10 +0.20 +0.00	36.00 -0.025 -0.064	44.00 +0.10 +0.00
MSWE-40X48X5	40	48	5	5.10 +0.20 +0.00	40.00 -0.025 -0.064	48.00 +0.10 +0.00
MSWE-40X50X5	40	50	5	5.10 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.10 +0.00
MSWE-40X50X7	40	50	7	7.10 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.10 +0.00
MSWE-42X50X4	42	50	4	4.10 +0.20 +0.00	42.00 -0.025 -0.064	50.00 +0.10 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSWE SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWE-42X50X5	42	50	5	5.10 +0.20 +0.00	42.00 -0.025 -0.064	50.00 +0.10 +0.00
MSWE-45X53X5	45	53	5	5.10 +0.20 +0.00	45.00 -0.025 -0.064	53.00 +0.12 +0.00
MSWE-45X55X5	45	55	5	5.10 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MSWE-50X58X5	50	58	5	5.10 +0.20 +0.00	50.00 -0.025 -0.064	58.00 +0.12 +0.00
MSWE-50X60X5	50	60	5	5.10 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MSWE-50X60X7	50	60	7	7.10 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MSWE-55X63X5	55	63	5	5.10 +0.20 +0.00	55.00 -0.030 -0.076	63.00 +0.12 +0.00
MSWE-55X65X6	55	65	6	6.10 +0.20 +0.00	55.00 -0.030 -0.076	65.00 +0.12 +0.00
MSWE-56X64X5	56	64	5	5.10 +0.20 +0.00	56.00 -0.030 -0.076	64.00 +0.12 +0.00
MSWE-60X68X5	60	68	5	5.10 +0.20 +0.00	60.00 -0.030 -0.076	68.00 +0.12 +0.00
MSWE-60X70X7	60	70	7	7.10 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.12 +0.00
MSWE-60X70.6X5.1-ME	60	70.6	5.1	5.30 +0.20 +0.00	60.00 -0.030 -0.076	70.60 +0.12 +0.00
MSWE-63X71X5	63	71	5	5.10 +0.20 +0.00	63.00 -0.030 -0.076	71.00 +0.12 +0.00
MSWE-63X73X6.3	63	73	6.3	6.40 +0.20 +0.00	63.00 -0.030 -0.076	73.00 +0.12 +0.00
MSWE-65X73X5	65	73	5	5.10 +0.20 +0.00	65.00 -0.030 -0.076	73.00 +0.12 +0.00
MSWE-65X75X7	65	75	7	7.10 +0.20 +0.00	65.00 -0.030 -0.076	75.00 +0.12 +0.00
MSWE-70X82X7	70	82	7	7.10 +0.20 +0.00	70.00 -0.030 -0.076	82.00 +0.14 +0.00
MSWE-75X83X5	75	83	5	5.10 +0.20 +0.00	75.00 -0.030 -0.076	83.00 +0.14 +0.00
MSWE-75X85X6	75	85	6	6.10 +0.20 +0.00	75.00 -0.030 -0.076	85.00 +0.14 +0.00
MSWE-78X88X5	78	88	5	5.10 +0.20 +0.00	78.00 -0.030 -0.076	88.00 +0.14 +0.00
MSWE-80X88X5	80	88	5	5.10 +0.20 +0.00	80.00 -0.030 -0.076	88.00 +0.14 +0.00
MSWE-80X90X6	80	90	6	6.20 +0.20 +0.00	80.00 -0.030 -0.076	90.00 +0.14 +0.00
MSWE-80X92X7	80	92	7	7.10 +0.20 +0.00	80.00 -0.030 -0.076	92.00 +0.14 +0.00
MSWE-85X93X5	85	93	5	5.10 +0.20 +0.00	85.00 -0.036 -0.090	93.00 +0.14 +0.00
MSWE-85X97X7	85	97	7	7.20 +0.20 +0.00	85.00 -0.036 -0.090	97.20 +0.14 +0.00
MSWE-90X98X5	90	98	5	5.10 +0.20 +0.00	90.00 -0.036 -0.090	98.00 +0.14 +0.00
MSWE-90X100X6.3	90	100	6.3	6.40 +0.20 +0.00	90.00 -0.036 -0.090	100.00 +0.14 +0.00
MSWE-90X102X7	90	102	7	7.10 +0.20 +0.00	90.00 -0.036 -0.090	102.00 +0.14 +0.00
MSWE-95X107X7	95	107	7	7.10 +0.20 +0.00	95.00 -0.036 -0.090	107.00 +0.14 +0.00
MSWE-99X109X5	99	109	5	5.10 +0.20 +0.00	99.00 -0.036 -0.090	109.00 +0.14 +0.00
MSWE-100X115X9.5	100	115	9.5	9.50 +0.20 +0.00	100.00 -0.036 -0.090	115.00 +0.14 +0.00
MSWE-105X113X5	105	113.6	5	5.30 +0.20 +0.00	105.00 -0.036 -0.090	113.60 +0.14 +0.00
MSWE-105X117.2X7	105	117.2	7	7.10 +0.20 +0.00	105.00 -0.036 -0.090	117.20 +0.14 +0.00

STYLE MSWE SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWE-110X122X7	110	122	7	7.10 +0.20 +0.00	110.00 -0.036 -0.090	122.00 +0.16 +0.00
MSWE-115X127X7	115	127	7	7.10 +0.20 +0.00	115.00 -0.036 -0.090	127.00 +0.16 +0.00
MSWE-118X128X6	118	128	6	7.00 +0.30 +0.00	118.00 -0.036 -0.090	128.00 +0.16 +0.00
MSWE-120X128X5	120	128	5	5.10 +0.20 +0.00	120.00 -0.036 -0.090	128.00 +0.16 +0.00
MSWE-120X130X5	120	130	5	5.10 +0.20 +0.00	120.00 -0.036 -0.090	130.00 +0.16 +0.00
MSWE-120X132X7	120	132	7	7.10 +0.20 +0.00	120.00 -0.036 -0.090	132.00 +0.16 +0.00
MSWE-125X137X7	125	137	7	7.10 +0.20 +0.00	125.00 -0.043 -0.106	137.00 +0.16 +0.00
MSWE-130X142X7	130	142	7	7.10 +0.20 +0.00	130.00 -0.043 -0.106	142.00 +0.16 +0.00
MSWE-140X148X5	140	148	5	5.10 +0.20 +0.00	140.00 -0.043 -0.106	148.00 +0.16 +0.00
MSWE-140X152X7	140	152	7	7.10 +0.20 +0.00	140.00 -0.043 -0.106	152.00 +0.16 +0.00
MSWE-140X155X10	140	155	10	10.20 +0.20 +0.00	140.00 -0.043 -0.106	155.00 +0.16 +0.00
MSWE-141X151X5	141	151	5	5.10 +0.20 +0.00	141.00 -0.043 -0.106	151.00 +0.16 +0.00
MSWE-150X162X7	150	162	7	7.10 +0.20 +0.00	150.00 -0.043 -0.106	162.00 +0.16 +0.00
MSWE-155X168X7	155	168	7	8.00 +0.30 +0.00	155.00 -0.043 -0.106	168.00 +0.16 +0.00
MSWE-160X168X5	160	168	5	5.10 +0.20 +0.00	160.00 -0.043 -0.106	168.00 +0.16 +0.00
MSWE-160X175X10	160	175	10	10.10 +0.20 +0.00	160.00 -0.043 -0.106	175.00 +0.16 +0.00
MSWE-160X179X9	160	179	9	9.10 +0.20 +0.00	160.00 -0.043 -0.106	179.00 +0.16 +0.00
MSWE-162X172X5	162	172	5	5.10 +0.20 +0.00	162.00 -0.043 -0.106	172.00 +0.16 +0.00
MSWE-183X193X5	183	193	5	5.10 +0.20 +0.00	183.00 -0.050 -0.122	193.00 +0.185 +0.000
MSWE-195X210X9	195	210	9	9.10 +0.20 +0.00	195.00 -0.050 -0.122	210.00 +0.185 +0.000
MSWE-200X220X10	200	220	10	10.10 +0.20 +0.00	200.00 -0.050 -0.122	220.00 +0.185 +0.000
MSWE-207X217X5	207	217	5	5.10 +0.20 +0.00	207.00 -0.050 -0.122	217.00 +0.185 +0.000
MSWE-220X235X10	220	235	10	10.10 +0.20 +0.00	220.00 -0.050 -0.122	235.00 +0.185 +0.000

Seal color may vary.

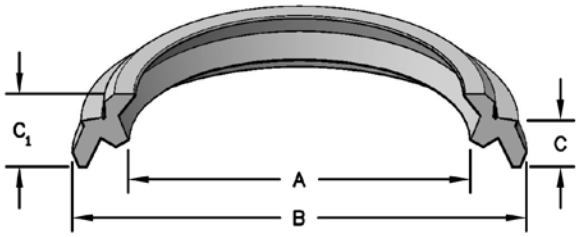
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSWH24 SNAP-IN WIPERS

Style MSWH24 wipers are molded in Zurcon® Z201urethane. This double-acting wiper is designed for severe operating conditions.

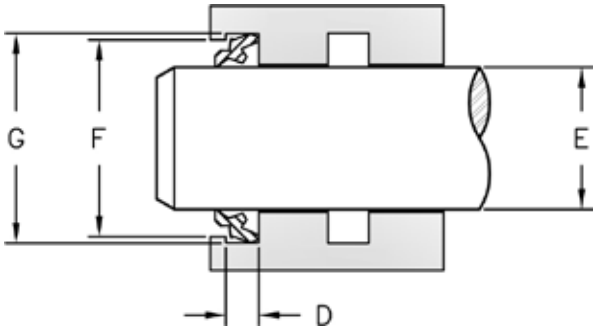


SEAL INFORMATION	
MATERIAL	92A URETHANE
TEMPERATURE RANGE	-31° TO +230° F
SPEED	1.5 FT/SEC

PART NUMBERS

MSWH24 - 45 X 53.8 X 6.3

Type of Seal | Inside Diameter | Outside Diameter | Height

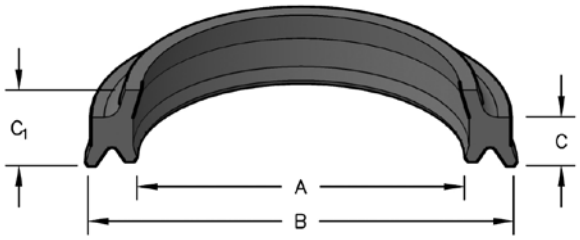


Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWH24-45X53.8X6.3	45	53.8	6.2	9.40	6.30 +0.15 +0.00	45.00 -0.025 -0.064	49.40 +0.062 +0.000	53.80 +0.074 +0.000
MSWH24-50X58.8X6.3	50	58.8	6.2	9.40	6.30 +0.15 +0.00	50.00 -0.025 -0.064	54.40 +0.074 +0.000	58.80 +0.074 +0.000
MSWH24-56X64.8X6.3	56	64.8	6.2	9.40	6.30 +0.15 +0.00	56.00 -0.030 -0.076	60.40 +0.074 +0.000	64.80 +0.074 +0.000
MSWH24-60X68.8X6.3	60	68.8	6.2	9.40	6.30 +0.15 +0.00	60.00 -0.030 -0.076	64.40 +0.074 +0.000	68.80 +0.074 +0.000
MSWH24-70X82.2X8.1	70	82.2	8	12.00	8.10 +0.15 +0.00	70.00 -0.030 -0.076	76.00 +0.074 +0.000	82.20 +0.087 +0.000
MSWH24-75X87.2X8.1	75	87.2	8	12.00	8.10 +0.15 +0.00	75.00 -0.030 -0.076	81.00 +0.087 +0.000	87.20 +0.087 +0.000
MSWH24-80X92.2X8.1	80	92.2	8	12.00	8.10 +0.15 +0.00	80.00 -0.030 -0.076	86.00 +0.087 +0.000	92.20 +0.087 +0.000
MSWH24-85X97.2X8.1	85	97.2	8	12.00	8.10 +0.15 +0.00	85.00 -0.036 -0.090	91.00 +0.087 +0.000	97.20 +0.087 +0.000
MSWH24-90X102.2X8.1	90	102.2	8	12.00	8.10 +0.15 +0.00	90.00 -0.036 -0.090	96.00 +0.087 +0.000	102.20 +0.087 +0.000
MSWH24-95X107.2X8.1	95	107.2	8	12.00	8.10 +0.15 +0.00	95.00 -0.036 -0.090	101.00 +0.087 +0.000	107.20 +0.67 +0.00
MSWH24-100X112.2X8.1	100	112.2	8	12.00	8.10 +0.15 +0.00	100.00 -0.036 -0.090	106.00 +0.087 +0.000	112.20 +0.087 +0.000
MSWH24-105X117.2X8.1	105	117.2	8	12.00	8.10 +0.15 +0.00	105.00 -0.036 -0.090	111.00 +0.087 +0.000	117.20 +0.087 +0.000
MSWH24-110X122.2X8.1	110	122.2	8	12.00	8.10 +0.15 +0.00	110.00 -0.036 -0.090	116.00 +0.087 +0.000	122.20 +0.10 +0.00
MSWH24-115X127.2X8.1	115	127.2	8	12.00	8.10 +0.15 +0.00	115.00 -0.036 -0.090	121.00 +0.10 +0.00	127.20 +0.10 +0.00
MSWH24-125X137.2X8.1	125	137.2	8	12.00	8.10 +0.15 +0.00	125.00 -0.043 -0.106	131.00 +0.10 +0.00	137.20 +0.10 +0.00

Seal color may vary.

STYLE MSWH SNAP-IN WIPERS

Molded in urethane, this wiper features a double lip which prevents fluid that seeps by the rod seal from exiting the cylinder.

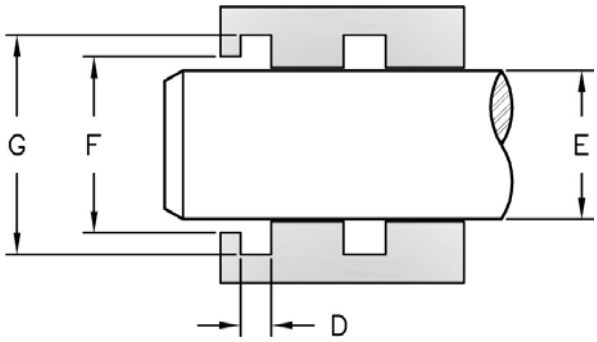


SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC

PART NUMBERS

MSWH - 12 X 18 X 3.6

Type of Seal | Inside Diameter | Outside Diameter | Height



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWH-12X18X3.6	12	18	3.6	7.00	4.00 +0.20 +0.00	12.00 -0.016 -0.043	14.50 +0.11 +0.00	18.00 +0.043 +0.000
MSWH-14X20X3.6	14	20	3.6	7.00	4.00 +0.20 +0.00	14.00 -0.016 -0.043	16.50 +0.11 +0.00	20.00 +0.052 +0.000
MSWH-14X22X4.5	14	22	4.5	6.00	5.00 +0.20 +0.00	14.00 -0.016 -0.043	18.30 +0.13 +0.00	22.00 +0.052 +0.000
MSWH-16X24X4.5	16	24	4.5	6.00	5.00 +0.20 +0.00	16.00 -0.016 -0.043	20.30 +0.13 +0.00	24.00 +0.052 +0.000
MSWH-18X24X3.6	18	24	3.6	7.00	4.00 +0.20 +0.00	18.00 -0.016 -0.043	20.50 +0.13 +0.00	24.00 +0.052 +0.000
MSWH-18X26X4.5	18	26	4.5	6.00	5.00 +0.20 +0.00	18.00 -0.016 -0.043	22.30 +0.13 +0.00	26.00 +0.052 +0.000
MSWH-20X26X3.8	20	26	3.8	4.70	4.00 +0.20 +0.00	20.00 +0.000 -0.052	22.50 +0.20 +0.00	26.00 +0.084 +0.000
MSWH-20X28X4.5	20	28	4.5	6.00	5.00 +0.20 +0.00	20.00 -0.020 -0.053	24.30 +0.13 +0.00	28.00 +0.052 +0.000
MSWH-22X28X3.6	22	28	3.6	5.00	4.00 +0.20 +0.00	22.00 -0.020 -0.053	24.50 +0.13 +0.00	28.00 +0.052 +0.000
MSWH-22.4X30.4X4.5	22.4	30.4	4.5	6.00	5.00 +0.20 +0.00	22.40 -0.020 -0.053	26.70 +0.13 +0.00	30.40 +0.062 +0.000
MSWH-23.5X31.5X4.5	23.5	31.5	4.5	6.00	5.00 +0.20 +0.00	23.50 -0.020 -0.053	27.80 +0.13 +0.00	31.50 +0.062 +0.000
MSWH-25X31X5.1	25	31	5.1	7.30	5.60 +0.20 +0.00	25.00 -0.020 -0.041		31.00 +0.16 +0.00
MSWH-25X32X3.75	25	32	3.6	4.80	4.00 +0.20 +0.00	25.00 -0.020 -0.053	27.50 +0.13 +0.00	32.00 +0.062 +0.000
MSWH-25X33X4.5	25	33	4.5	6.00	5.00 +0.20 +0.00	25.00 -0.020 -0.053	29.30 +0.13 +0.00	33.00 +0.062 +0.000
MSWH-28X36X4.5	28	36	4.5	6.00	5.00 +0.20 +0.00	28.00 -0.020 -0.053	31.00 +0.16 +0.00	36.00 +0.062 +0.000
MSWH-28X36X5.5	28	36	5.5	8.40	6.00 +0.20 +0.00	28.00 -0.020 -0.041		36.00 +0.16 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSWH SNAP-IN WIPERS

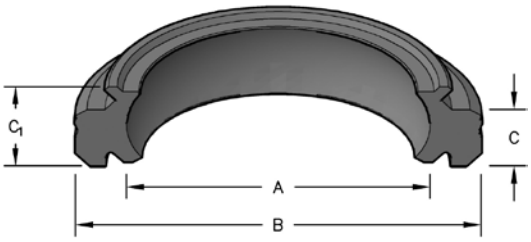
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWH-30X38X5	30	38.6	5	7.00	5.30 +0.20 +0.00	30.00 -0.020 -0.053	33.00 +0.16 +0.00	38.60 +0.062 +0.000
MSWH-31.5X39.5X5	31.5	39.5	5	6.50	6.00 +0.20 +0.00	31.50 -0.025 -0.064	35.50 +0.16 +0.00	39.50 +0.062 +0.000
MSWH-32X40X6	32	40	6	8.40	6.00 +0.20 +0.00	32.00 -0.025 -0.064	35.00 +0.16 +0.00	40.00 +0.062 +0.000
MSWH-32X40X5	32	40.6	5	7.00	5.30 +0.20 +0.00	32.00 -0.025 -0.064	35.00 +0.16 +0.00	40.60 +0.062 +0.000
MSWH-35X43X4.8	35	43	4.8	7.50	5.00 +0.20 +0.00	35.00 -0.025 -0.064	38.00 +0.16 +0.00	43.00 +0.16 +0.00
MSWH-35X43X5	35	43	5	6.50	6.00 ±0.20	35.00 -0.025 -0.064	38.00 +0.16 +0.00	43.00 +0.00 -0.20
MSWH-35X44X3.6	35	44	3.6	4.90	4.00 +0.20 +0.00	35.00 -0.025 -0.064	41.50 +0.16 +0.00	44.00 +0.062 +0.000
MSWH-35.5X43.5X5	35.5	43.5	5	6.50	6.00 +0.20 +0.00	35.50 -0.025 -0.064	39.50 +0.16 +0.00	43.50 +0.062 +0.000
MSWH-36X44X4.5	36	44	4.5	6.00	5.00 +0.20 +0.00	36.00 -0.025 -0.064	39.00 +0.16 +0.00	44.00 +0.062 +0.000
MSWH-36X44X6	36	44	6	8.40	6.00 +0.20 +0.00	36.00 -0.025 -0.064	39.00 +0.16 +0.00	44.00 +0.062 +0.000
MSWH-38X46X4.6	38	46	4.6	5.80	5.00 +0.20 +0.00	38.00 -0.025 -0.064	41.00 +0.16 +0.00	46.00 +0.062 +0.000
MSWH-40X48X4.8-ME	40	48	4.8	7.50	5.00 +0.20 +0.00	40.00 -0.025 -0.064	43.00 +0.16 +0.00	48.00 +0.16 +0.00
MSWH-40X48X6	40	48	6	8.40	6.00 +0.20 +0.00	40.00 -0.025 -0.064	43.00 +0.16 +0.00	48.00 +0.062 +0.000
MSWH-40X48X5	40	48.6	5	7.00	5.30 +0.20 +0.00	40.00 -0.025 -0.064	43.00 +0.16 +0.00	48.60 +0.062 +0.000
MSWH-40X50X4.7	40	50	4.7	6.50	5.00 +0.20 +0.00	40.00 -0.025 -0.064	46.30 +0.16 +0.00	50.00 +0.062 +0.000
MSWH-40X50.6X4.6	40	50.6	4.6	6.90	5.10 +0.20 +0.00	40.00 -0.025 -0.064	44.00 ±0.10	50.60 +0.00 -0.20
MSWH-42X51X4.5	42	51	4.5	6.00	5.00 +0.20 +0.00	42.00 -0.025 -0.064	47.30 +0.16 +0.00	51.00 +0.074 +0.000
MSWH-45X53X4.5	45	53	4.5	6.00	5.00 +0.20 +0.00	45.00 -0.025 -0.064	48.00 +0.16 +0.00	53.00 +0.074 +0.000
MSWH-45X53X5.4-ME	45	53	5.4	8.40	6.00 +0.20 +0.00	45.00 -0.020 -0.082	48.00 +0.16 +0.00	53.00 +0.19 +0.00
MSWH-45X53X5	45	53.6	5	7.00	5.30 +0.20 +0.00	45.00 -0.025 -0.064	48.00 +0.16 +0.00	53.60 +0.074 +0.000
MSWH-50X58X4.5	50	58	4.5	6.00	5.00 +0.20 +0.00	50.00 -0.025 -0.064	53.00 +0.19 +0.00	58.00 +0.074 +0.000
MSWH-50X58X4.8-ME	50	58	4.8	7.50	5.00 +0.20 +0.00	50.00 -0.025 -0.064	53.00 +0.19 +0.00	58.00 +0.19 +0.00
MSWH-50X58X6	50	58	6	8.70	6.00 +0.20 +0.00	50.00 -0.025 -0.064	53.00 +0.19 +0.00	58.00 +0.074 +0.000
MSWH-50X58X5	50	58.6	5	7.00	5.30 +0.20 +0.00	50.00 -0.025 -0.064	53.00 +0.19 +0.00	58.60 +0.074 +0.000
MSWH-50X59X3.6	50	59	3.6	4.80	4.00 +0.20 +0.00	50.00 -0.025 -0.064	54.00 ±0.10	59.00 -1.00 -1.20
MSWH-50X60X5	50	60.6	5	7.00	5.30 +0.20 +0.00	50.00 -0.025 -0.064	53.00 +0.19 +0.00	60.60 +0.074 +0.000
MSWH-53X61X5	53	61	5	6.50	6.00 +0.20 +0.00	53.00 -0.030 -0.076	57.00 +0.19 +0.00	61.00 +0.074 +0.000
MSWH-55X63X5	55	63.6	5	7.00	5.30 +0.20 +0.00	55.00 -0.030 -0.076	58.00 +0.19 +0.00	63.60 +0.074 +0.000
MSWH-56X64X5	56	64.6	5	7.00	5.30 +0.20 +0.00	56.00 -0.030 -0.076	59.00 +0.19 +0.00	64.60 +0.074 +0.000
MSWH-56X66X5.3	56	66	5.3	7.00	6.00 +0.20 +0.00	56.00 -0.030 -0.076	59.00 +0.19 +0.00	66.00 +0.074 +0.000
MSWH-60X68X5	60	68.6	5	7.00	5.30 +0.20 +0.00	60.00 -0.030 -0.076	63.00 +0.19 +0.00	68.60 +0.074 +0.000
MSWH-60X70X5.7-ME	60	70	5.7	8.50	6.00 +0.20 +0.00	60.00 -0.030 -0.076	63.00 +0.19 +0.00	70.00 +0.19 +0.00
MSWH-63X71X5	63	71.6	5	7.00	5.30 +0.20 +0.00	63.00 -0.030 -0.076	66.00 +0.19 +0.00	71.60 +0.074 +0.000

STYLE MSWH SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWH-65X73X5	65	73.6	5	7.00	5.30 +0.20 +0.00	65.00 -0.030 -0.076	68.00 +0.19 +0.00	73.60 +0.074 +0.000
MSWH-65X75X5.7-ME	65	75	5.7	8.50	6.00 +0.20 +0.00	65.00 -0.030 -0.076	68.00 +0.19 +0.00	75.00 +0.19 +0.00
MSWH-67X75X5	67	75	5	6.50	6.00 +0.20 +0.00	67.00 -0.030 -0.076	71.00 +0.19 +0.00	75.00 +0.074 +0.000
MSWH-70X80X5.5	70	80	5.5	8.00	6.00 +0.20 +0.00	70.00 -0.030 -0.076	73.00 +0.19 +0.00	80.00 +0.074 +0.000
MSWH-70X80X5.7-ME	70	80	5.7	8.50	6.00 +0.20 +0.00	70.00 -0.030 -0.076	73.00 +0.19 +0.00	80.00 +0.19 +0.00
MSWH-70X80X6	70	80	6	8.00	7.00 +0.20 +0.00	70.00 -0.030 -0.076	75.00 +0.19 +0.00	80.00 +0.074 +0.000
MSWH-71X81X6	71	81	6	8.00	7.00 +0.20 +0.00	71.00 -0.030 -0.076	76.00 +0.19 +0.00	81.00 +0.087 +0.000
MSWH-75X85X5.5	75	85	5.5	8.00	6.00 +0.20 +0.00	75.00 -0.030 -0.076	78.00 +0.19 +0.00	85.00 +0.087 +0.000
MSWH-75X85X6	75	85	6	8.00	7.00 +0.20 +0.00	75.00 -0.030 -0.076	80.00 +0.19 +0.00	85.00 +0.087 +0.000
MSWH-79X89X4.5	79	89	4.5	7.00	5.00 +0.20 +0.00	79.00 -0.030 -0.076	84.00 +0.22 +0.00	89.00 +0.087 +0.000
MSWH-80X90X6	80	90	6	8.00	7.00 +0.20 +0.00	80.00 -0.030 -0.076	85.00 +0.22 +0.00	90.00 +0.087 +0.000
MSWH-85X95X6	85	95	6	8.00	7.00 +0.20 +0.00	85.00 -0.036 -0.090	90.00 +0.22 +0.00	95.00 +0.087 +0.000
MSWH-90X100X5.3	90	100	5.3		6.00 +0.20 +0.00	90.00 -0.036 -0.090	93.00 +0.22 +0.00	100.00 +0.087 +0.000
MSWH-90X100X5.7-ME	90	100	5.7	8.50	6.00 +0.20 +0.00	90.00 -0.036 -0.090	93.00 +0.22 +0.00	100.00 +0.22 +0.00
MSWH-90X100X6	90	100	6	8.00	7.00 +0.20 +0.00	90.00 -0.036 -0.090	95.00 +0.22 +0.00	100.00 +0.087 +0.000
MSWH-98X108X4.5	98	108	4.5	7.00	5.00 +0.20 +0.00	98.00 -0.036 -0.090	103.00 +0.22 +0.00	108.00 +0.087 +0.000
MSWH-98X108X6	98	108	6	8.00	7.00 +0.20 +0.00	98.00 -0.036 -0.090	103.00 +0.22 +0.00	108.00 +0.087 +0.000
MSWH-100X110X6	100	110	6	9.00	7.00 +0.20 +0.00	100.00 -0.036 -0.090	105.00 +0.22 +0.00	110.00 +0.087 +0.000
MSWH-110X125X7.5	110	125	7.5	9.50	8.50 +0.20 +0.00	110.00 -0.036 -0.090	114.00 +0.22 +0.00	125.00 +0.10 +0.00
MSWH-112X122X6	112	122	6	8.00	7.00 +0.20 +0.00	112.00 -0.036 -0.090	117.00 +0.22 +0.00	122.00 +0.10 +0.00
MSWH-117X127X5.5	117	127	5.5	8.00	6.00 +0.20 +0.00	117.00 -0.036 -0.090	122.00 +0.25 +0.00	127.00 +0.10 +0.00
MSWH-125X138X7	125	138	7	9.50	8.00 +0.20 +0.00	125.00 -0.043 -0.106	132.00 +0.25 +0.00	138.00 +0.10 +0.00
MSWH-136X146X5.5	136	146	5.5	8.00	6.00 +0.20 +0.00	136.00 -0.043 -0.106	142.00 +0.25 +0.00	146.00 +0.10 +0.00
MSWH-136X149X7	136	149	7	9.50	8.00 +0.20 +0.00	136.00 -0.043 -0.106	143.00 +0.25 +0.00	149.00 +0.10 +0.00
MSWH-140X153X7	140	153	7	9.50	8.00 +0.20 +0.00	140.00 -0.043 -0.106	147.00 +0.25 +0.00	153.00 +0.10 +0.00
MSWH-140X155X7.5	140	155	7.5	9.50	8.50 +0.20 +0.00	140.00 -0.043 -0.106	144.00 +0.25 +0.00	155.00 +0.10 +0.00
MSWH-145X158X7	145	158	7	9.50	8.00 +0.20 +0.00	145.00 -0.043 -0.106	152.00 +0.25 +0.00	158.00 +0.10 +0.00
MSWH-155X165X5.5	155	165	5.5	8.00	6.00 +0.20 +0.00	155.00 -0.043 -0.106	160.00 +0.25 +0.00	165.00 +0.10 +0.00
MSWH-160X174X7	160	174	7	9.50	8.00 +0.20 +0.00	160.00 -0.043 -0.106	167.00 +0.25 +0.00	174.00 +0.10 +0.00
MSWH-176X186X5.5	176	186	5.5	8.00	6.00 +0.20 +0.00	176.00 -0.043 -0.106	180.00 +0.25 +0.00	186.00 +0.115 +0.000
MSWH-198X208X5.5	198	208	5.5	8.00	6.00 +0.20 +0.00	198.00 -0.050 -0.122	203.00 +0.29 +0.00	208.00 +0.115 +0.000

STYLE MWSCK SNAP-IN WIPERS

Molded in nitrile, this double lipped wiper is common in Toyota lift trucks.

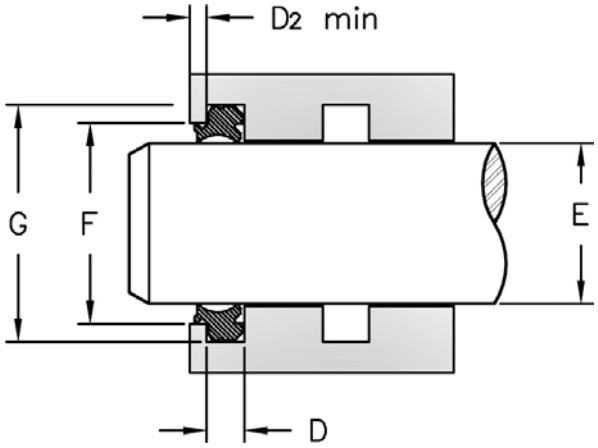


PART NUMBERS

MWSCK - 25 X 37 X 6

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-49° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH	C HEIGHT
MWSCK-20X32X6	20	32	6	7.70	6.00 +0.30 +0.00	20.00 -0.020 -0.053	26.00 ±0.10	32.00 +0.00 -0.20	3.00	5.80
MWSCK-25X37X6	25	37	6	7.70	6.00 +0.30 +0.00	25.00 -0.020 -0.053	31.00 ±0.10	37.00 +0.00 -0.20	3.00	5.80
MWSCK-30X42X6	30	42	6	7.70	6.00 +0.30 +0.00	30.00 -0.020 -0.053	36.00 ±0.10	42.00 +0.00 -0.20	3.00	5.80
MWSCK-35X47X7	35	47	7	8.70	7.00 +0.30 +0.00	35.00 -0.025 -0.064	41.00 ±0.10	47.00 +0.00 -0.20	3.00	6.80
MWSCK-40X52X7	40	52	7	8.70	7.00 +0.30 +0.00	40.00 -0.025 -0.064	46.00 ±0.10	52.00 +0.00 -0.20	3.00	6.80
MWSCK-45X57X7	45	57	7	8.70	7.00 +0.30 +0.00	45.00 -0.025 -0.064	51.00 ±0.10	57.00 +0.00 -0.20	3.00	6.80
MWSCK-50X62X7	50	62	7	8.70	7.00 +0.30 +0.00	50.00 -0.025 -0.064	56.00 ±0.10	62.00 +0.00 -0.20	3.00	6.80
MWSCK-55X69X8	55	69	8	10.00	8.00 +0.30 +0.00	55.00 -0.030 -0.076	62.00 ±0.10	69.00 +0.00 -0.20	3.00	7.70
MWSCK-60X74X8	60	74	8	10.00	8.00 +0.30 +0.00	60.00 -0.030 -0.076	67.00 ±0.10	74.00 +0.00 -0.20	3.00	7.70
MWSCK-65X79X8	65	79	8	10.00	8.00 +0.30 +0.00	65.00 -0.030 -0.076	72.00 ±0.10	79.00 +0.00 -0.20	3.00	7.70
MWSCK-70X84X8	70	84	8	10.00	8.00 +0.30 +0.00	70.00 -0.030 -0.076	77.00 ±0.10	84.00 +0.00 -0.20	3.00	7.70
MWSCK-75X89X8	75	89	8	10.00	8.00 +0.30 +0.00	75.00 -0.030 -0.076	82.00 ±0.10	89.00 +0.00 -0.20	3.00	7.70
MWSCK-80X94X8	80	94	8	10.00	8.00 +0.30 +0.00	80.00 -0.030 -0.076	87.00 ±0.10	94.00 +0.00 -0.20	3.00	7.70
MWSCK-85X99X8	85	99	8	10.00	8.00 +0.30 +0.00	85.00 -0.036 -0.090	92.00 ±0.10	99.00 +0.00 -0.20	3.00	7.70
MWSCK-95X109X8	95	109	8	10.00	8.00 +0.30 +0.00	95.00 -0.036 -0.090	102.00 ±0.10	109.00 +0.00 -0.20	3.00	7.70

STYLE MWSCK SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	D_2 OUTER THROAT DEPTH	C HEIGHT
MWSCK-105X121X9	105	121	9	12.00	9.00 +0.30 +0.00	105.00 -0.036 -0.090	113.00 ±0.10	121.00 +0.00 -0.20	4.00	8.70
MWSCK-110X126X9	110	126	9	12.00	9.00 +0.30 +0.00	110.00 -0.036 -0.090	118.00 ±0.10	126.00 +0.00 -0.20	4.00	8.70
MWSCK-115X131X9	115	131	9	12.00	9.00 +0.30 +0.00	115.00 -0.036 -0.090	123.00 ±0.10	131.00 +0.00 -0.20	4.00	8.70
MWSCK-120X136X9	120	136	9	12.00	9.00 +0.30 +0.00	120.00 -0.036 -0.090	128.00 ±0.10	136.00 +0.00 -0.20	4.00	8.70
MWSCK-125X141X9	125	141	9	12.00	9.00 +0.30 +0.00	125.00 -0.043 -0.106	133.00 ±0.10	141.00 +0.00 -0.20	4.00	8.70

Seal color may vary.

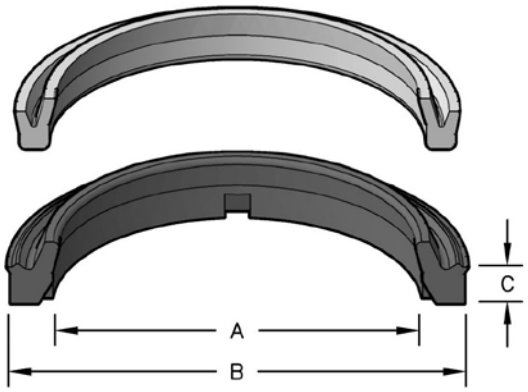
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSW SNAP-IN WIPERS

Molded in urethane, this wiper features a lip on the outer diameter to aid in contaminant exclusion.

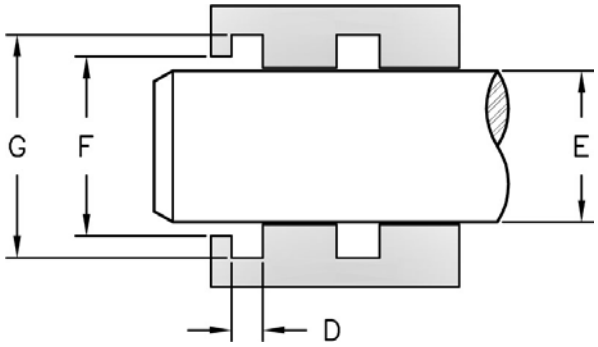


PART NUMBERS

MSW - 20 X 28 X 4.5

- MSW — Type of Seal
- 20 — Inside Diameter
- 28 — Outside Diameter
- 4.5 — Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSW-20X28X4.5	20	28	4.5	5.50 +0.30 +0.00	20.00 -0.020 -0.053	24.00 ±0.10	28.00 +0.00 -0.20
MSW-25X33X4.5	25	33	4.5	5.50 +0.30 +0.00	25.00 -0.020 -0.053	29.00 ±0.10	33.00 +0.00 -0.20
MSW-25X34X4.5	25	34	4.5	5.50 +0.30 +0.00	25.00 -0.020 -0.053	29.50 ±0.10	34.00 +0.00 -0.20
MSW-30X38X5	30	38	5	6.00 +0.30 +0.00	30.00 -0.020 -0.053	34.00 ±0.10	38.00 +0.00 -0.20
MSW-35X43X5	35	43	5	6.00 +0.30 +0.00	35.00 -0.025 -0.064	39.00 ±0.10	43.00 +0.00 -0.20
MSW-40X48X4.5	40	48	4.5	5.50 +0.30 +0.00	40.00 -0.025 -0.064	44.00 ±0.10	48.00 +0.00 -0.20
MSW-40X48X5	40	48	5	6.00 +0.30 +0.00	40.00 -0.025 -0.064	44.00 ±0.10	48.00 +0.00 -0.20
MSW-40X50X6	40	50	6	7.00 +0.30 +0.00	40.00 -0.025 -0.064	45.00 ±0.10	50.00 +0.00 -0.20
MSW-45X53X5	45	53	5	6.00 +0.30 +0.00	45.00 -0.025 -0.064	49.00 ±0.10	53.00 +0.00 -0.20
MSW-45X55X6	45	55	6	7.00 +0.30 +0.00	45.00 -0.025 -0.064	50.00 ±0.10	55.00 +0.00 -0.20
MSW-50X58X5	50	58	5	6.00 +0.30 +0.00	50.00 -0.025 -0.064	54.00 ±0.10	58.00 +0.00 -0.20
MSW-50X60X6	50	60	6	7.00 +0.30 +0.00	50.00 -0.025 -0.064	55.00 ±0.10	60.00 +0.00 -0.20
MSW-55X63X5	55	63	5	6.00 +0.30 +0.00	55.00 -0.030 -0.076	59.00 ±0.10	63.00 +0.00 -0.20
MSW-55X65X6	55	65	6	7.00 +0.30 +0.00	55.00 -0.030 -0.076	60.00 ±0.10	65.00 +0.00 -0.20
MSW-60X68X5	60	68	5	6.00 +0.30 +0.00	60.00 -0.030 -0.076	64.00 ±0.10	68.00 +0.00 -0.20

STYLE MSW SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSW-60X73X7	60	73	7	8.00 +0.30 +0.00	60.00 -0.030 -0.076	66.50 ±0.10	73.00 +0.00 -0.20
MSW-65X79X7	65	79	7	8.00 +0.30 +0.00	65.00 -0.030 -0.076	72.00 ±0.10	79.00 +0.00 -0.20
MSW-70X80X6	70	80	6	7.00 +0.30 +0.00	70.00 -0.030 -0.076	75.00 ±0.10	80.00 +0.00 -0.20
MSW-70X83X7	70	83	7	8.00 +0.30 +0.00	70.00 -0.030 -0.076	76.50 ±0.10	83.00 +0.00 -0.20
MSW-75X85X6	75	85	6	7.00 +0.30 +0.00	75.00 -0.030 -0.076	80.00 ±0.10	85.00 +0.00 -0.20
MSW-75X88X7	75	88	7	8.00 +0.30 +0.00	75.00 -0.030 -0.076	81.50 ±0.10	88.00 +0.00 -0.20
MSW-80X90X6	80	90	6	7.00 +0.30 +0.00	80.00 -0.030 -0.076	85.00 ±0.10	90.00 +0.00 -0.20
MSW-80X93X7	80	93	7	8.00 +0.30 +0.00	80.00 -0.030 -0.076	86.50 ±0.10	93.00 +0.00 -0.20
MSW-85X98X7	85	98	7	8.00 +0.30 +0.00	85.00 -0.036 -0.090	91.50 ±0.10	98.00 +0.00 -0.20
MSW-90X100X6	90	100	6	7.00 +0.30 +0.00	90.00 -0.036 -0.090	95.00 ±0.10	100.00 +0.00 -0.20
MSW-90X103X7	90	103	7	8.00 +0.30 +0.00	90.00 -0.036 -0.090	96.50 ±0.10	103.00 +0.00 -0.20
MSW-95X105X6	95	105	6	7.00 +0.30 +0.00	95.00 -0.036 -0.090	100.00 ±0.10	105.00 +0.00 -0.20
MSW-95X108X7	95	108	7	8.00 +0.30 +0.00	95.00 -0.036 -0.090	101.50 ±0.10	108.00 +0.00 -0.20
MSW-100X110X6	100	110	6	7.00 +0.30 +0.00	100.00 -0.036 -0.090	105.00 ±0.10	110.00 +0.00 -0.20
MSW-100X113X7	100	113	7	8.00 +0.30 +0.00	100.00 -0.036 -0.090	106.50 ±0.10	113.00 +0.00 -0.20
MSW-110X120X6	110	120	6	7.00 +0.30 +0.00	110.00 -0.036 -0.090	115.00 ±0.10	120.00 +0.00 -0.20
MSW-110X123X7	110	123	7	8.00 +0.30 +0.00	110.00 -0.036 -0.090	116.50 ±0.10	123.00 +0.00 -0.20
MSW-120X130X6	120	130	6	7.00 +0.30 +0.00	120.00 -0.036 -0.090	125.00 ±0.10	130.00 +0.00 -0.20
MSW-120X133X7	120	133	7	8.00 +0.30 +0.00	120.00 -0.036 -0.090	126.50 ±0.10	133.00 +0.00 -0.20
MSW-125X138X7	125	138	7	8.00 +0.30 +0.00	125.00 -0.043 -0.106	131.50 ±0.10	138.00 +0.00 -0.20
MSW-140X153X7	140	153	7	8.00 +0.30 +0.00	140.00 -0.043 -0.106	146.50 ±0.10	153.00 +0.00 -0.20

Seal color may vary.

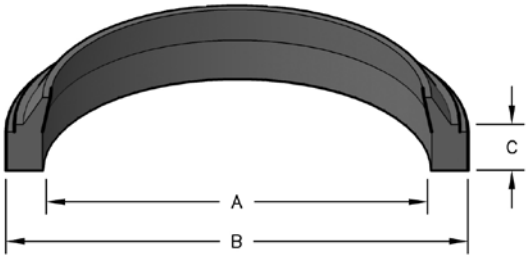
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MSWS / MSWSN SNAP-IN WIPERS

This light duty wiper is molded in polyurethane and features a double-stepped shoulder to fit tightly in the gland throat.



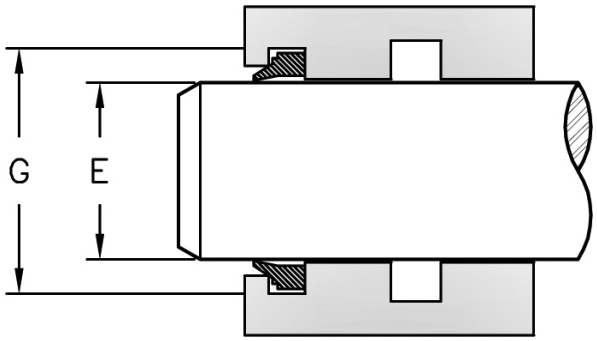
NOTE: MSWSN = Nitrile

PART NUMBERS

MSWS - 16 X 24 X 4

Type of Seal | Inside Diameter | Outside Diameter | Height

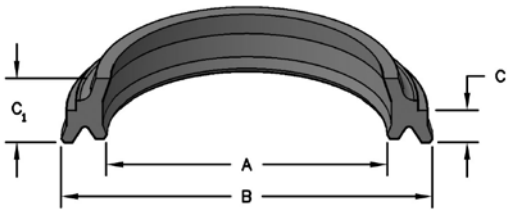
SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	E ROD DIAMETER	G HOUSING DIAMETER
MSWS-16X24X4	16	24	4	16.00	24.00
MSWSN-16X24X4	16	24	4	16.00	24.00
MSWS-20X28X4	20	28	4	20.00	28.00
MSWS-22X30X4	22	30	4	22.00	30.00
MSWS-25X33X4	25	33	4	25.00	33.00
MSWS-28X36X4	28	36	4	28.00	36.00
MSWS-30X38X4	30	38	4	30.00	38.00
MSWS-32X40X4	32	40	4	32.00	40.00
MSWS-35X43X4	35	43	4	35.00	43.00
MSWS-36X44X4	36	44	4	36.00	44.00
MSWS-40X48X4	40	48	4	40.00	48.00
MSWS-42X50X4	42	50	4	42.00	50.00
MSWS-45X53X4	45	53	4	45.00	53.00
MSWS-50X58X4	50	58	4	50.00	58.00
MSWS-55X63X4	55	63	4	55.00	63.00
MSWS-56X64X4	56	64	4	56.00	64.00
MSWS-60X68X4	60	68	4	60.00	68.00
MSWS-63X71X4	63	71	4	63.00	71.00
MSWS-65X73X4	65	73	4	65.00	73.00
MSWS-70X78X4	70	78	4	70.00	78.00
MSWS-80X88X4	80	88	4	80.00	88.00
MSWSN-82X90X4	82	90	4	82.00	90.00
MSWSN-85X93X4	85	93	4	85.00	93.00
MSWS-90X98X4	90	98	4	90.00	98.00
MSWS-100X108X4	100	108	4	100.00	108.00
MSWSN-300X315X6.5	300	315	6.5	300.00	315.00

STYLE MSWSHN SNAP-IN WIPERS

Molded in nitrile, this wiper features a double lip which prevents fluid that seeps by the rod seal from exiting the cylinder. It features a double-stepped shoulder to fit tightly in the gland throat.

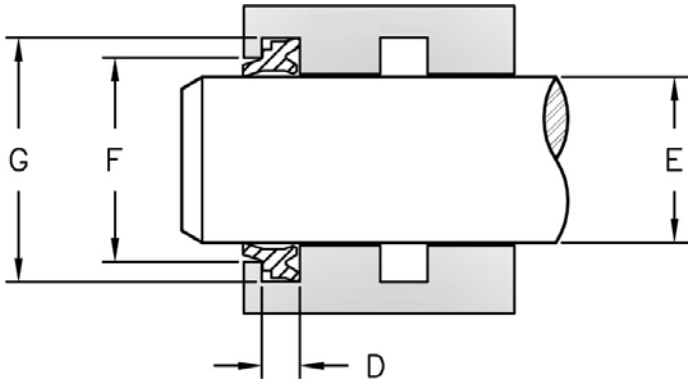


PART NUMBERS

MSWSHN 25 X 33 X 6

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	90A NITRILE
TEMPERATURE RANGE	-22° TO 230°F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWSHN-25X33X6	25	33	6	8.00	6.00 +0.20 +0.00	25.00 -0.020 -0.053	28.50 +0.13 +0.00	33.00 +0.062 +0.000
MSWSHN-30X38X6	30	38	6	8.00	6.00 +0.20 +0.00	30.00 -0.020 -0.053	33.50 +0.16 +0.00	38.00 +0.062 +0.000
MSWSHN-32X40X6	32	40	6	8.00	6.00 +0.20 +0.00	32.00 -0.025 -0.064	35.50 +0.16 +0.00	40.00 +0.062 +0.000
MSWSHN-35X43X6	35	43	6	8.00	6.00 +0.20 +0.00	35.00 -0.025 -0.064	38.50 +0.16 +0.00	43.00 +0.062 +0.000
MSWSHN-36X44X6	36	44	6	8.00	6.00 +0.20 +0.00	36.00 -0.025 -0.064	39.50 +0.16 +0.00	44.00 +0.062 +0.000
MSWSHN-38X46X6	38	46	6	8.00	6.00 +0.20 +0.00	38.00 -0.025 -0.064	41.50 +0.16 +0.00	46.00 +0.062 +0.000
MSWSHN-40X48X6	40	48	6	8.00	6.00 +0.20 +0.00	40.00 -0.025 -0.064	43.50 +0.16 +0.00	48.00 +0.062 +0.000
MSWSHN-45X53X6	45	53	6	8.00	6.00 +0.20 +0.00	45.00 -0.025 -0.064	48.50 +0.16 +0.00	53.00 +0.074 +0.000
MSWSHN-50X58X6	50	58	6	8.00	6.00 +0.20 +0.00	50.00 -0.025 -0.064	53.50 +0.19 +0.00	58.00 +0.074 +0.000
MSWSHN-55X63X6	55	63	6	8.00	6.00 +0.20 +0.00	55.00 -0.030 -0.076	58.50 +0.19 +0.00	63.00 +0.074 +0.000
MSWSHN-60X68X6	60	68	6	8.00	6.00 +0.20 +0.00	60.00 -0.030 -0.076	63.50 +0.19 +0.00	68.00 +0.074 +0.000
MSWSHN-63X71X6	63	71	6	8.00	6.00 +0.20 +0.00	63.00 -0.030 -0.076	66.50 +0.19 +0.00	71.00 +0.074 +0.000
MSWSHN-65X73X6	65	73	6	8.00	6.00 +0.20 +0.00	65.00 -0.030 -0.076	68.50 +0.19 +0.00	73.00 +0.074 +0.000
MSWSHN-70X78X6	70	78	6	8.00	6.00 +0.20 +0.00	70.00 -0.030 -0.076	73.50 +0.19 +0.00	78.00 +0.074 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

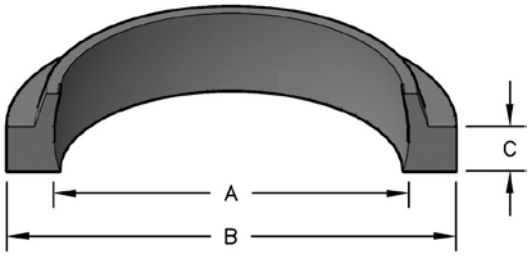
STYLE MSWSHN SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
MSWSHN-75X83X6	75	83	6	8.00	6.00 +0.20 +0.00	75.00 -0.030 -0.076	78.50 +0.19 +0.00	83.00 +0.087 +0.000
MSWSHN-80X88X6	80	88	6	8.00	6.00 +0.20 +0.00	80.00 -0.030 -0.076	83.50 +0.22 +0.00	88.00 +0.087 +0.000
MSWSHN-85X93X6	85	93	6	8.00	6.00 +0.20 +0.00	85.00 -0.036 -0.090	88.50 +0.22 +0.00	93.00 +0.087 +0.000
MSWSHN-90X98X6	90	98	6	8.00	6.00 +0.20 +0.00	90.00 -0.036 -0.090	93.50 +0.22 +0.00	98.00 +0.087 +0.000
MSWSHN-95X103X6	95	103	6	8.00	6.00 +0.20 +0.00	95.00 -0.036 -0.090	98.50 +0.22 +0.00	103.00 +0.087 +0.000
MSWSHN-100X108X6	100	108	6	8.00	6.00 +0.20 +0.00	100.00 -0.036 -0.090	103.50 +0.22 +0.00	108.00 +0.087 +0.000
MSWSHN-110X122X8.2	110	122	8.2	11.00	8.20 +0.20 +0.00	110.00 -0.036 -0.090	115.00 +0.22 +0.00	122.00 +0.10 +0.00
MSWSHN-120X132X8.2	120	132	8.2	11.00	8.20 +0.20 +0.00	120.00 -0.036 -0.090	125.00 +0.25 +0.00	132.00 +0.10 +0.00
MSWSHN-125X137X5.5	125	137	5.5	11.00	5.50 +0.20 +0.00	125.00 -0.043 -0.083	134.00 ±0.08	137.00 +0.16 +0.00
MSWSHN-125X137X8.2	125	137	8.2	11.00	8.20 +0.20 +0.00	125.00 -0.043 -0.106	130.00 +0.25 +0.00	137.00 +0.10 +0.00

Seal color may vary.

STYLE MSWN SNAP-IN WIPERS

This medium duty wiper is molded in nitrile rubber.

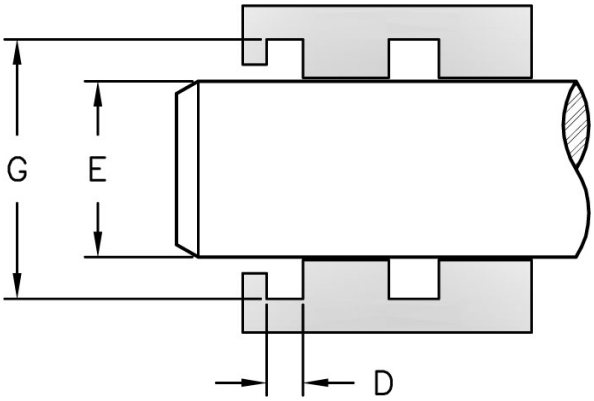


PART NUMBERS

MSWN - 18 X 26 X 5

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWN-18X26X5	18	26	5	5.30 +0.20 +0.00	18.00 -0.016 -0.059	26.00 +0.13 +0.00
MSWN-20X28X4	20	28	4	4.10 +0.20 +0.00	20.00 -0.020 -0.072	28.00 +0.13 +0.00
MSWN-28X36X4	28	36	4	4.10 +0.20 +0.00	28.00 -0.020 -0.072	36.00 +0.16 +0.00
MSWN-30X42X6	30	42	6	6.30 +0.20 +0.00	30.00 -0.020 -0.072	42.00 +0.16 +0.00
MSWN-32X40X5	32	40	5	5.00 +0.20 +0.00	32.00 -0.025 -0.087	40.00 +0.16 +0.00
MSWN-32X44X6	32	44	6	6.30 +0.20 +0.00	32.00 -0.025 -0.087	44.00 +0.16 +0.00
MSWN-35X47X6	35	47	6	6.30 +0.20 +0.00	35.00 -0.025 -0.087	47.00 +0.16 +0.00
MSWN-36X48X6	36	48	6	6.30 +0.20 +0.00	36.00 -0.025 -0.087	48.00 +0.16 +0.00
MSWN-38X46X5	38	46	5	5.30 +0.20 +0.00	38.00 -0.025 -0.087	46.00 +0.16 +0.00
MSWN-40X48X3	40	48	3	3.10 +0.20 +0.00	40.00 -0.025 -0.087	48.00 +0.16 +0.00
MSWN-40X49X3	40	49	3	3.10 +0.20 +0.00	40.00 -0.025 -0.087	49.00 +0.16 +0.00
MSWN-40X52X6	40	52	6	6.30 +0.20 +0.00	40.00 -0.025 -0.087	52.00 +0.19 +0.00
MSWN-45X57X4.8	45	57	4.8	5.00 +0.20 +0.00	45.00 -0.025 -0.087	57.00 +0.19 +0.00
MSWN-45X57X6	45	57	6	6.30 +0.20 +0.00	45.00 -0.025 -0.087	57.00 +0.19 +0.00
MSWN-50X62X5	50	62	5	5.30 +0.20 +0.00	50.00 -0.025 -0.087	62.00 +0.19 +0.00
MSWN-50X62X6	50	62	6	6.30 +0.20 +0.00	50.00 -0.025 -0.087	62.00 +0.19 +0.00
MSWN-55X65X5	55	65	5	5.30 +0.20 +0.00	55.00 -0.030 -0.104	65.00 +0.19 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

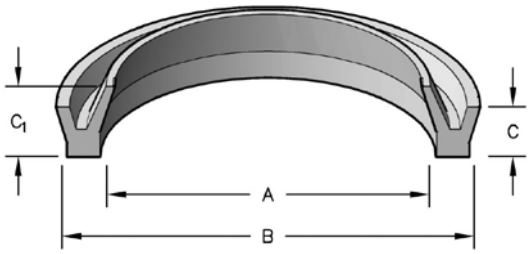
STYLE MSWN SNAP-IN WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MSWN-55X67X6	55	67	6	6.30 +0.20 +0.00	55.00 -0.030 -0.104	67.00 +0.19 +0.00
MSWN-56X66X5	56	66	5	5.30 +0.20 +0.00	56.00 -0.030 -0.104	66.00 +0.19 +0.00
MSWN-60X70X5	60	70	5	5.30 +0.20 +0.00	60.00 -0.030 -0.104	70.00 +0.19 +0.00
MSWN-63X73X5	63	73	5	5.30 +0.20 +0.00	63.00 -0.030 -0.104	73.00 +0.19 +0.00
MSWN-65X75X5	65	75	5	5.30 +0.20 +0.00	65.00 -0.030 -0.104	75.00 +0.19 +0.00
MSWN-70X80X5	70	80	5	5.30 +0.20 +0.00	70.00 -0.030 -0.104	80.00 +0.19 +0.00
MSWN-70X82X6	70	82	6	6.30 +0.20 +0.00	70.00 -0.030 -0.104	82.00 +0.22 +0.00
MSWN-70X82X7	70	82	7	7.10 +0.20 +0.00	70.00 -0.030 -0.104	82.00 +0.22 +0.00
MSWN-75X83X5	75	83	5	5.30 +0.20 +0.00	75.00 -0.030 -0.104	83.00 +0.22 +0.00
MSWN-75X87X3.8	75	87	3.8	4.00 +0.20 +0.00	75.00 -0.030 -0.104	87.00 +0.22 +0.00
MSWN-80X90X6	80	90	6	6.30 +0.20 +0.00	80.00 -0.030 -0.104	90.00 +0.22 +0.00
MSWN-85X97X7	85	97	7	7.10 +0.20 +0.00	85.00 -0.036 -0.123	97.00 +0.22 +0.00
MSWN-90X102X7	90	102	7	7.10 +0.20 +0.00	90.00 -0.036 -0.123	102.00 +0.22 +0.00
MSWN-100X112X7	100	112	7	7.10 +0.20 +0.00	100.00 -0.036 -0.123	112.00 +0.22 +0.00
MSWN-105X117X7	105	117	7	7.10 +0.20 +0.00	105.00 -0.036 -0.123	117.00 +0.22 +0.00
MSWN-110X122X7	110	122	7	7.10 +0.20 +0.00	110.00 -0.036 -0.123	122.00 +0.25 +0.00
MSWN-140X152X7	140	152	7	7.10 +0.20 +0.00	140.00 -0.043 -0.143	152.00 +0.25 +0.00
MSWN-140X155X10	140	155	10	10.20 +0.20 +0.00	140.00 -0.043 -0.143	155.00 +0.25 +0.00
MSWN-160X175X10	160	175	10	10.20 +0.20 +0.00	160.00 -0.043 -0.143	175.00 +0.25 +0.00
MSWN-200X220X10	200	220	10	10.20 +0.20 +0.00	200.00 -0.050 -0.165	220.00 +0.29 +0.00
MSWN-240X260X10	240	260	10	10.20 +0.20 +0.00	240.00 -0.050 -0.165	260.00 +0.32 +0.00

Seal color may vary.

STYLE CSWM SNAP-IN WIPERS

This wiper is a heavy duty scraper molded from a hard nylon material.

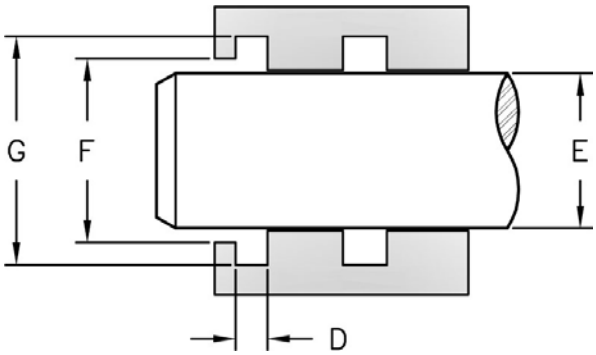


SEAL INFORMATION	
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +212° F
SPEED	3 FT/SEC

PART NUMBERS

CSWM - 25 X 38 X 6

Type of Seal — Inside Diameter — Outside Diameter — Height



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER
CSWM-25X38X6	25	38	6	8.50	6.00 +0.25 +0.00	25.00	36.50 +0.10 +0.00	38.00 +0.10 +0.00
CSWM-28X41X6	28	41	6	8.50	6.00 +0.25 +0.00	28.00	39.50 +0.10 +0.00	41.00 +0.10 +0.00
CSWM-30X43X6	30	43	6	8.50	6.00 +0.25 +0.00	30.00	41.50 +0.10 +0.00	43.00 +0.10 +0.00
CSWM-32X45X6	32	45	6	8.50	6.00 +0.25 +0.00	32.00	43.50 +0.10 +0.00	45.00 +0.10 +0.00
CSWM-36X49X6	36	49	6	8.50	6.00 +0.25 +0.00	36.00	47.50 +0.10 +0.00	49.00 +0.10 +0.00
CSWM-40X53X6	40	53	6	8.50	6.00 +0.25 +0.00	40.00	51.50 +0.10 +0.00	53.00 +0.10 +0.00
CSWM-45X58X6	45	58	6	8.50	6.00 +0.25 +0.00	45.00	56.50 +0.10 +0.00	58.00 +0.10 +0.00
CSWM-50X63X6	50	63	6	8.50	6.00 +0.25 +0.00	50.00	61.50 +0.10 +0.00	63.00 +0.10 +0.00
CSWM-55X68X6	55	68	6	8.50	6.00 +0.25 +0.00	55.00	66.50 +0.10 +0.00	68.00 +0.10 +0.00
CSWM-56X69X6	56	69	6	8.50	6.00 +0.25 +0.00	56.00	67.50 +0.10 +0.00	69.00 +0.10 +0.00
CSWM-60X73X6	60	73	6	8.50	6.00 +0.25 +0.00	60.00	71.50 +0.10 +0.00	73.00 +0.10 +0.00
CSWM-63X76X6	63	76	6	8.50	6.00 +0.25 +0.00	63.00	74.50 +0.10 +0.00	76.00 +0.10 +0.00
CSWM-70X83X6	70	83	6	8.50	6.00 +0.25 +0.00	70.00	81.50 +0.10 +0.00	83.00 +0.10 +0.00
CSWM-75X88X6	75	88	6	8.50	6.00 +0.25 +0.00	75.00	86.50 +0.10 +0.00	88.00 +0.10 +0.00
CSWM-80X93X6	80	93	6	8.50	6.00 +0.25 +0.00	80.00	91.50 +0.10 +0.00	93.00 +0.10 +0.00
CSWM-90X103X6	90	103	6	8.50	6.00 +0.25 +0.00	90.00	101.50 +0.10 +0.00	103.00 +0.10 +0.00
CSWM-100X113X6	100	113	6	8.50	6.00 +0.25 +0.00	100.00	111.50 +0.10 +0.00	113.00 +0.10 +0.00

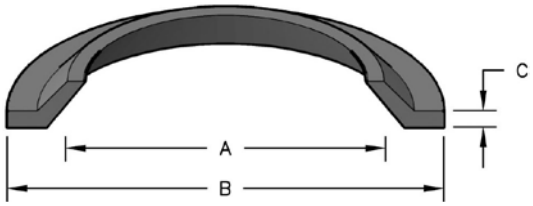
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MDK SNAP-IN WIPERS

Molded in nitrile, this wiper is for light duty applications.



PART NUMBERS

MDK - 30 X 37.5 X 1.6

Type of Seal | Inside Diameter | Outside Diameter | Height

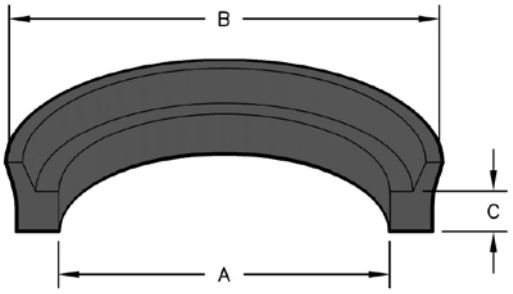
SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-22° TO +212° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDK-25X33.6X1.6U	25	33.6	1.6
MDK-30X37.5X1.6	30	37.5	1.6
MDK-32X39.5X1.6	32	39.5	1.6
MDK-33X40.5X1.6	33	40.5	1.6
MDK-50X60X2.15	50	60	2.15
MDK-55X65X2.15	55	65	2.15
MDK-63X73X2.15	63	73	2.15
MDK-70X80X2.15	70	80	2.15
MDK-74X87X3.3	74	87	3.3
MDK-80X90X2.15	80	90	2.15
MDK-90X100X2.15	90	100	2.15
MDK-100X110X2.15	100	110	2.15
MDK-140X150X2.15	140	150	2.15

Seal color may vary.

STYLE MDKP SNAP-IN WIPERS

The MDKP external wiper is primarily used in single acting cylinders with an opening to the atmosphere to prevent dust and contaminants from entering the cylinder.

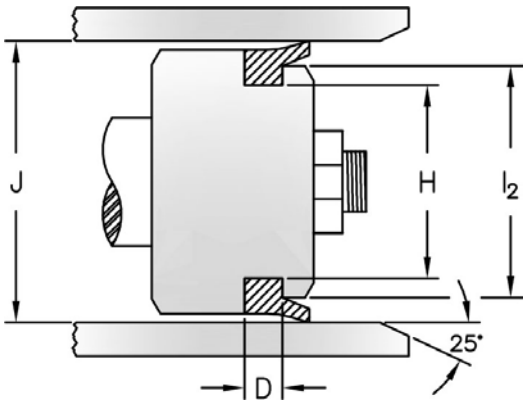


PART NUMBERS

MDKP - 21.4 X 30 X 5.3

- MDKP — Type of Seal
- 21.4 — Inside Diameter
- 30 — Outside Diameter
- 5.3 — Height

SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-22° TO +212° F
SPEED	1.5 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	l_2 PISTON END DIAMETER	J BORE DIAMETER
MDKP-21.4X30X5.3	21.4	30	5.3	5.30 +0.25 +0.00	21.40 +0.10 +0.00	27.00	30.00 +0.084 +0.000
MDKP-31.4X40X5.3	31.4	40	5.3	5.30 +0.25 +0.00	31.40 +0.10 +0.00	37.00	40.00 +0.10 +0.00
MDKP-41.4X50X5.3	41.4	50	5.3	5.30 +0.25 +0.00	41.40 +0.10 +0.00	47.00	50.00 +0.10 +0.00
MDKP-51.4X60X5.3	51.4	60	5.3	5.30 +0.25 +0.00	51.40 +0.10 +0.00	57.00	60.00 +0.12 +0.00
MDKP-54.4X63X5.3	54.4	63	5.3	5.30 +0.25 +0.00	54.40 +0.10 +0.00	60.00	63.00 +0.12 +0.00
MDKP-61.4X70X5.3	61.4	70	5.3	5.30 +0.25 +0.00	61.40 +0.10 +0.00	67.00	70.00 +0.12 +0.00
MDKP-71.4X80X5.3	71.4	80	5.3	5.30 +0.25 +0.00	71.40 +0.10 +0.00	77.00	80.00 +0.12 +0.00
MDKP-81.4X90X5.3	81.4	90	5.3	5.30 +0.25 +0.00	81.40 +0.10 +0.00	87.00	90.00 +0.14 +0.00
MDKP-86.4X95X5.3	86.4	95	5.3	5.30 +0.25 +0.00	86.40 +0.10 +0.00	92.00	95.00 +0.14 +0.00
MDKP-88X100X7.5	88	100	7.5	7.50 +0.25 +0.00	88.00 +0.10 +0.00	94.00	100.00 +0.14 +0.00
MDKP-91.4X100X5.3	91.4	100	5.3	5.30 +0.25 +0.00	91.40 +0.10 +0.00	97.00	100.00 +0.14 +0.00
MDKP-101.4X110X5.3	101.4	110	5.3	5.30 +0.25 +0.00	101.40 +0.10 +0.00	107.00	110.00 +0.14 +0.00
MDKP-100X115X10	100	115	10	10.00 +0.25 +0.00	100.00 +0.10 +0.00	107.50	115.00 +0.14 +0.00
MDKP-107X115X5	107	115	5	5.00 +0.25 +0.00	107.00 +0.10 +0.00	111.00	115.00 +0.14 +0.00
MDKP-111.4X120X5.3	111.4	120	5.3	5.30 +0.25 +0.00	111.40 +0.10 +0.00	117.00	120.00 +0.14 +0.00

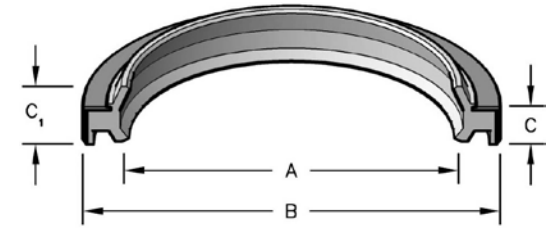
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCKBI METAL CLAD WIPERS

Utilizing a double lip of urethane bonded to a carbon steel case, this wiper prevents contaminant ingression at the wiping lip and around the outer case.



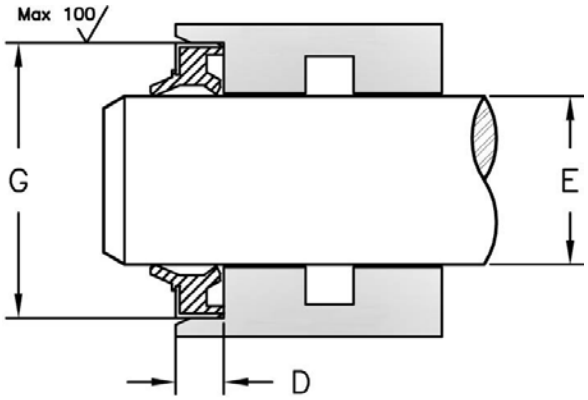
NOTE: BHT = Freudenberg AU30000 Urethane
VE = vented, slots, or holes through inboard lip

PART NUMBERS

MCKBI - 20 X 32 X 6

Type of Seal | Rod Diameter | Groove Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKBI-20X32X6	20	32	6	9.00	6.00 +0.50 -0.30	20.00 -0.020 -0.053	32.00 +0.039 +0.000
MCKBI-25X37X6	25	37	6	9.00	6.00 +0.50 -0.30	25.00 -0.020 -0.053	37.00 +0.039 +0.000
MCKBZ-25X37X6/9	25	37	6	9.00	6.00 +0.50 +0.00	25.00 -0.020 -0.053	37.00 +0.039 +0.000
MCKBI-30X42X6	30	42	6	9.00	6.00 +0.50 -0.30	30.00 -0.020 -0.053	42.00 +0.039 +0.000
MCKBI-35X47X7	35	47	7	10.00	7.00 +0.50 -0.30	35.00 -0.025 -0.064	47.00 +0.039 +0.000
MCKBI-40X50X7	40	50	7	10.00	7.00 +0.50 -0.30	40.00 -0.025 -0.064	50.00 +0.039 +0.000
MCKBI-40X50X7/10-BHT-VE	40	50	7	10.00	7.00 +0.50 -0.30	40.00 -0.025 -0.064	50.00 +0.039 +0.000
MCKBI-40X52X7	40	52	7	10.00	7.00 +0.50 -0.30	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCKBI-45X57X7	45	57	7	10.00	7.00 +0.50 -0.30	45.00 -0.025 -0.064	57.00 +0.046 +0.000
MCKBI-50X60X7	50	60	7	10.00	7.00 +0.50 -0.30	50.00 -0.025 -0.064	60.00 +0.046 +0.000
MCKBI-50X60X7/10-BHT-VE	50	60	7	10.00	7.00 +0.50 -0.30	50.00 -0.025 -0.064	60.00 +0.046 +0.000
MCKBI-50X62X7	50	62	7	10.00	7.00 +0.50 -0.30	50.00 -0.025 -0.064	62.00 +0.046 +0.000
MCKBI-55X69X8	55	69	8	11.00	8.00 +0.60 -0.40	55.00 -0.030 -0.076	69.00 +0.046 +0.000
MCKBI-60X70X7/10-BHT-VE	60	70	7	10.00	7.00 +0.50 -0.30	60.00 -0.030 -0.076	70.00 +0.046 +0.000
MCKBI-60X74X8	60	74	8	11.00	8.00 +0.60 -0.40	60.00 -0.030 -0.076	74.00 +0.046 +0.000
MCKBI-65X75X7/10-BHT-VE	65	75	7	10.00	7.00 +0.50 -0.30	65.00 -0.030 -0.076	75.00 +0.046 +0.000
MCKBI-65X79X8	65	79	8	11.00	8.00 +0.60 -0.40	65.00 -0.030 -0.076	79.00 +0.046 +0.000

STYLE MCKBI METAL CLAD WIPERS

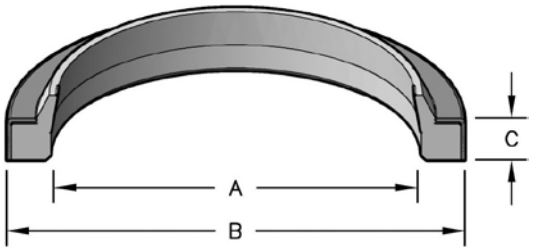
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKBI-70X80X7/10-BHT-VE	70	80	7	10.00	7.00 +0.50 -0.30	70.00 -0.030 -0.076	80.00 +0.046 +0.000
MCKBI-70X82X7	70	82	7	10.00	7.00 +0.50 -0.30	70.00 -0.030 -0.076	82.00 +0.054 +0.000
MCKBI-70X84X8	70	84	8	11.00	8.00 +0.60 -0.40	70.00 -0.030 -0.076	84.00 +0.054 +0.000
MCKBI-75X87X7	75	87	7	10.00	7.00 +0.50 -0.30	75.00 -0.030 -0.076	87.00 +0.054 +0.000
MCKBI-75X89X8	75	89	8	11.00	8.00 +0.60 -0.40	75.00 -0.030 -0.076	89.00 +0.054 +0.000
MCKBI-80X92X7	80	92	7	10.00	7.00 +0.50 -0.30	80.00 -0.030 -0.076	92.00 +0.054 +0.000
MCKBI-80X94X8	80	94	8	11.00	8.00 +0.60 -0.40	80.00 -0.030 -0.076	94.00 +0.054 +0.000
MCKBI-85X97X7	85	97	7	10.00	7.00 +0.50 -0.30	85.00 -0.036 -0.090	97.00 +0.054 +0.000
MCKBI-85X99X8	85	99	8	11.00	8.00 +0.60 -0.40	85.00 -0.036 -0.090	99.00 +0.054 +0.000
MCKBI-85X99X8-VE	85	99	8	11.00	8.00 +0.60 -0.40	85.00 -0.036 -0.090	99.00 +0.054 +0.000
MCKBI-90X100X7	90	100	7	10.00	7.00 +0.50 -0.30	90.00 -0.036 -0.090	100.00 +0.054 +0.000
MCKBI-90X100X7/10-BHT-VE	90	100	7	10.00	7.00 +0.50 -0.30	90.00 -0.036 -0.090	100.00 +0.054 +0.000
MCKBI-90X104X8	90	104	8	11.00	8.00 +0.60 -0.40	90.00 -0.036 -0.090	104.00 +0.054 +0.000
MCKBI-90X104X8-VE	90	104	8	11.00	8.00 +0.60 -0.40	90.00 -0.036 -0.090	104.00 +0.054 +0.000
MCKBI-95X107X9	95	107	9	13.00	9.00 +0.60 +0.40	95.00 -0.036 -0.090	107.00 +0.054 +0.000
MCKBI-95X109X8	95	109	8	11.00	8.00 +0.60 -0.40	95.00 -0.036 -0.090	109.00 +0.054 +0.000
MCKBI-95X109X8-VE	95	109	8	11.00	8.00 +0.60 -0.40	95.00 -0.036 -0.090	109.00 +0.054 +0.000
MCKBI-100X114X8	100	114	8	11.00	8.00 +0.60 -0.40	100.00 -0.036 -0.090	114.00 +0.054 +0.000
MCKBI-100X114X8-VE	100	114	8	11.00	8.00 +0.60 +0.40	100.00 -0.036 -0.090	114.00 +0.054 +0.000
MCKBI-105X121X9	105	121	9	12.00	9.00 +0.60 -0.40	105.00 -0.036 -0.090	121.00 +0.063 +0.000
MCKBI-105X121X9-VE	105	121	9	12.00	9.00 +0.60 -0.40	105.00 -0.036 -0.090	121.00 +0.063 +0.000
MCKBI-110X126X9	110	126	9	12.00	9.00 +0.60 -0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000
MCKBI-110X126X9-VE	110	126	9	12.00	9.00 +0.60 -0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000
MCKBZ-110X126X9/13	110	126	9	13.00	9.00 +0.60 +0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000
MCKBI-115X127X9	115	127	9	13.00	9.00 +0.60 -0.40	115.00 -0.036 -0.090	127.00 +0.063 +0.000
MCKBI-115X131X9	115	131	9	12.00	9.00 +0.60 -0.40	115.00 -0.036 -0.090	131.00 +0.063 +0.000
MCKBZ-115X131X9/12	115	131	9	12.00	10.00 +0.25 +0.10	115.00 -0.036 -0.071	131.00 +0.04 +0.00
MCKBI-120X136X9	120	136	9	12.00	9.00 +0.60 -0.40	120.00 -0.036 -0.090	136.00 +0.063 +0.000
MCKBZ-120X136X9/13	120	136	9	13.00	9.00 +0.60 +0.40	120.00 -0.036 -0.090	136.00 +0.063 +0.000
MCKBI-130X146X9	130	146	9	12.00	9.00 +0.60 -0.40	130.00 -0.043 -0.106	146.00 +0.063 +0.000
MCKBI-135X155X10	135	155	10	14.00	10.00 +0.60 -0.40	135.00 -0.043 -0.106	155.00 +0.063 +0.000
MCKBI-140X160X10	140	160	10	14.00	10.00 +0.60 -0.40	140.00 -0.043 -0.106	160.00 +0.063 +0.000
MCKBZ-140X160X10/15	140	160	10	15.00	10.00 +0.60 +0.40	140.00 -0.043 -0.106	160.00 +0.063 +0.000

STYLE MCKBI METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKBI-145X165X10	145	165	10	14.00	10.00 +0.60 -0.40	145.00 -0.043 -0.106	165.00 +0.063 +0.000
MCKBI-150X170X10	150	170	10	14.00	10.00 +0.60 -0.40	150.00 -0.043 -0.106	170.00 +0.063 +0.000
MCKBI-155X175X10	155	175	10	14.00	10.00 +0.60 -0.40	155.00 -0.043 -0.106	175.00 +0.063 +0.000
MCKBI-160X180X10	160	180	10	14.00	10.00 +0.60 -0.40	160.00 -0.043 -0.106	180.00 +0.063 +0.000
MCKBI-165X185X10	165	185	10	14.00	10.00 +0.60 -0.40	165.00 -0.043 -0.106	185.00 +0.072 +0.000
MCKBI-170X190X10	170	190	10	14.00	10.00 +0.60 -0.40	170.00 -0.043 -0.106	190.00 +0.072 +0.000
MCKBI-170X190X10-LT	170	190	10	14.00	10.00 +0.60 -0.40	170.00 -0.043 -0.106	190.00 +0.072 +0.000
MCKBI-180X200X10	180	200	10	14.00	10.00 +0.60 +0.40	180.00 -0.043 -0.106	200.00 +0.072 +0.000
MCKBI-180X205X12	180	205	12	20.08	12.00 +0.60 +0.40	180.00 -0.043 -0.106	205.00 +0.072 +0.000
MCKBI-190X205X9	190	205	9	12.00	9.00 +0.60 -0.40	190.00 -0.050 -0.122	205.00 +0.072 +0.000
MCKBI-200X216X8	200	216	8	11.00	8.00 +0.60 -0.40	200.00 -0.050 -0.122	216.00 +0.072 +0.000

STYLE MCW METAL CLAD WIPERS

This wiper is a single lip design molded from high grade urethane and bonded to a carbon steel case.

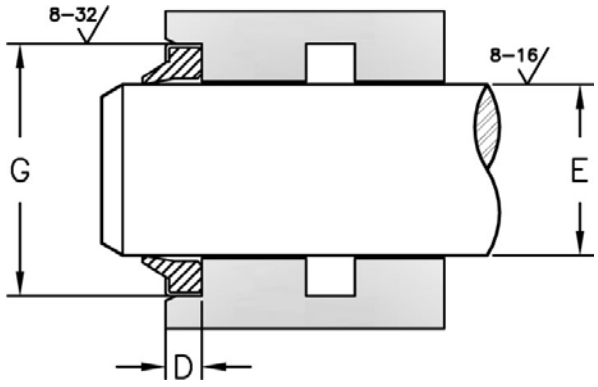


PART NUMBERS

MCW - 25 X 37 X 6

Type of Seal | A - Inside Diameter | B - Outside Diameter | C - Ht

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCW-25X37X6	25	37	6	6.00 +0.50 -0.30	25.00 -0.020 -0.053	37.00 +0.039 +0.000
MCW-28X38X5	28	38	5	5.00 +0.50 -0.30	28.00 -0.020 -0.053	38.00 +0.039 +0.000
MCW-30X42X6	30	42	6	6.00 +0.50 -0.30	30.00 -0.020 -0.053	42.00 +0.039 +0.000
MCW-30X45X7	30	45	7	7.00 +0.50 -0.30	30.00 -0.020 -0.053	45.00 +0.039 +0.000
MCW-32X44X7	32	44	7	7.00 +0.50 -0.30	32.00 -0.025 -0.064	44.00 +0.039 +0.000
MCW-32X45X7	32	45	7	7.00 +0.50 -0.30	32.00 -0.025 -0.064	45.00 +0.039 +0.000
MCW-32X52X8	32	52	8	8.00 +0.60 -0.40	32.00 -0.025 -0.064	52.00 +0.046 +0.000
MCW-35X47X7	35	47	7	7.00 +0.50 -0.30	35.00 -0.025 -0.064	47.00 +0.039 +0.000
MCW-38X50X7	38	50	7	7.00 +0.50 -0.30	38.00 -0.025 -0.064	50.00 +0.039 +0.000
MCW-40X52X7	40	52	7	7.00 +0.50 -0.30	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCW-45X57X7	45	57	7	7.00 +0.50 -0.30	45.00 -0.025 -0.064	57.00 +0.046 +0.000
MCW-50X62X7	50	62	7	7.00 +0.50 -0.30	50.00 -0.025 -0.064	62.00 +0.046 +0.000
MCW-55X69X8	55	69	8	8.00 +0.60 -0.40	55.00 -0.030 -0.076	69.00 +0.046 +0.000
MCW-56X70X8	56	70	8	8.00 +0.60 -0.40	56.00 -0.030 -0.076	70.00 +0.046 +0.000
MCW-60X74X8	60	74	8	8.00 +0.60 -0.40	60.00 -0.030 -0.076	74.00 +0.046 +0.000
MCW-63X77X8	63	77	8	8.00 +0.60 -0.40	63.00 -0.030 -0.076	77.00 +0.046 +0.000
MCW-65X79X8	65	79	8	8.00 +0.60 -0.40	65.00 -0.030 -0.076	79.00 +0.046 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

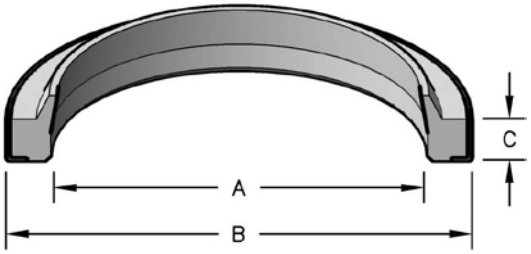
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCW METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCW-70X84X8	70	84	8	8.00 +0.60 -0.40	70.00 -0.030 -0.076	84.00 +0.054 +0.000
MCW-75X89X8	75	89	8	8.00 +0.60 -0.40	75.00 -0.030 -0.076	89.00 +0.054 +0.000
MCW-80X94X8	80	94	8	8.00 +0.60 -0.40	80.00 -0.030 -0.076	94.00 +0.054 +0.000
MCW-85X99X8	85	99	8	8.00 +0.60 -0.40	85.00 -0.036 -0.090	99.00 +0.054 +0.000
MCW-90X104X8	90	104	8	8.00 +0.60 -0.40	90.00 -0.036 -0.090	104.00 +0.054 +0.000
MCW-95X109X8	95	109	8	8.00 +0.60 -0.40	95.00 -0.036 -0.090	109.00 +0.054 +0.000
MCW-100X114X8	100	114	8	8.00 +0.60 -0.40	100.00 -0.036 -0.090	114.00 +0.054 +0.000
MCW-105X119X9	105	119	9	9.00 +0.60 -0.40	105.00 -0.036 -0.090	119.00 +0.054 +0.000
MCW-105X121X9	105	121	9	9.00 +0.60 -0.40	105.00 -0.036 -0.090	121.00 +0.063 +0.000
MCW-110X126X9	110	126	9	9.00 +0.60 -0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000
MCW-115X131X9	115	131	9	9.00 +0.60 -0.40	115.00 -0.036 -0.090	131.00 +0.063 +0.000
MCW-120X130X7-860	120	130	7	7.00 +0.50 +0.00	120.00 -0.036 -0.123	130.00 +0.063 +0.000
MCW-120X136X9	120	136	9	9.00 +0.60 -0.40	120.00 -0.036 -0.090	136.00 +0.063 +0.000
MCW-130X146X9	130	146	9	9.00 +0.60 -0.40	130.00 -0.043 -0.106	146.00 +0.063 +0.000
MCW-140X160X10	140	160	10	10.00 +0.60 -0.40	140.00 -0.043 -0.106	160.00 +0.063 +0.000
MCW-150X170X10	150	170	10	10.00 +0.60 -0.40	150.00 -0.043 -0.106	170.00 +0.063 +0.000
MCW-160X180X10	160	180	10	10.00 +0.60 -0.40	160.00 -0.043 -0.106	180.00 +0.063 +0.000
MCW-180X205X12	180	205	12	12.00 +0.70 -0.50	180.00 -0.043 -0.106	205.00 +0.072 +0.000

STYLE MCWE METAL CLAD WIPERS

This wiper is molded from high grade urethane and bonded to a carbon steel case in a single lip design.

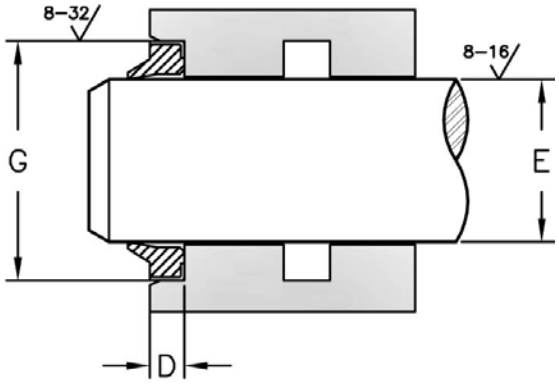


PART NUMBERS

MCWE - 12 X 20 X 4

Type of Seal | A - Inside Diameter | B - Outside Diameter | C - Ht

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWE-12X20X4	12	20	4	4.50 +0.50 +0.00	12.00 -0.016 -0.034	20.00 +0.033 +0.000
MCWE-20X28X3.5	20	28	3.5	4.00 +0.50 +0.00	20.00 -0.020 -0.041	28.00 +0.033 +0.000
MCWE-20X30X5	20	30	5	5.50 +0.50 +0.00	20.00 -0.020 -0.041	30.00 +0.033 +0.000
MCWE-20X30X7	20	30	7	7.50 +0.50 +0.00	20.00 -0.020 -0.041	30.00 +0.033 +0.000
MCWE-25X35X7	25	35	7	7.50 +0.50 +0.00	25.00 -0.020 -0.041	35.00 +0.039 +0.000
MCWE-28X38X7	28	38	7	7.50 +0.50 +0.00	28.00 -0.020 -0.041	38.00 +0.039 +0.000
MCWE-30X40X5	30	40	5	5.50 +0.50 +0.00	30.00 -0.020 -0.041	40.00 +0.039 +0.000
MCWE-30X40X7	30	40	7	7.50 +0.50 +0.00	30.00 -0.020 -0.041	40.00 +0.039 +0.000
MCWE-32X42X7	32	42	7	7.50 +0.50 +0.00	32.00 -0.025 -0.050	42.00 +0.039 +0.000
MCWE-32X45X7	32	45	7	7.50 +0.50 +0.00	32.00 -0.025 -0.050	45.00 +0.039 +0.000
MCWE-35X45X7	35	45	7	7.50 +0.50 +0.00	35.00 -0.025 -0.050	45.00 +0.039 +0.000
MCWE-36X45X7	36	45	7	7.50 +0.50 +0.00	36.00 -0.025 -0.050	45.00 +0.039 +0.000
MCWE-36X46X7	36	46	7	7.50 +0.50 +0.00	36.00 -0.025 -0.050	46.00 +0.039 +0.000
MCWE-40X50X7	40	50	7	7.50 +0.50 +0.00	40.00 -0.025 -0.050	50.00 +0.039 +0.000
MCWE-42X52X7	42	52	7	7.50 +0.50 +0.00	42.00 -0.025 -0.050	52.00 +0.046 +0.000
MCWE-45X55X7	45	55	7	7.50 +0.50 +0.00	45.00 -0.025 -0.050	55.00 +0.046 +0.000
MCWE-50X60X7	50	60	7	7.50 +0.50 +0.00	50.00 -0.025 -0.050	60.00 +0.046 +0.000
MCWE-55X65X7	55	65	7	7.50 +0.50 +0.00	55.00 -0.03 -0.06	65.00 +0.046 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

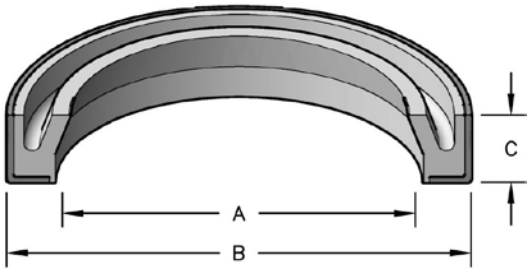
STYLE MCWE METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWE-56X66X7	56	66	7	7.50 +0.50 +0.00	56.00 -0.03 -0.06	66.00 +0.046 +0.000
MCWE-60X70X7	60	70	7	7.50 +0.50 +0.00	60.00 -0.03 -0.06	70.00 +0.046 +0.000
MCWE-63X75X7	63	75	7	7.50 +0.50 +0.00	63.00 -0.03 -0.06	75.00 +0.046 +0.000
MCWE-65X75X7	65	75	7	7.50 +0.50 +0.00	65.00 -0.03 -0.06	75.00 +0.046 +0.000
MCWE-70X80X7	70	80	7	7.50 +0.50 +0.00	70.00 -0.03 -0.06	80.00 +0.046 +0.000
MCWE-80X90X7	80	90	7	7.50 +0.50 +0.00	80.00 -0.03 -0.06	90.00 +0.054 +0.000
MCWE-85X95X7	85	95	7	7.50 +0.50 +0.00	85.00 -0.036 -0.071	95.00 +0.054 +0.000
MCWE-90X100X7	90	100	7	7.50 +0.50 +0.00	90.00 -0.036 -0.071	100.00 +0.054 +0.000
MCWE-100X110X7	100	110	7	7.50 +0.50 +0.00	100.00 -0.036 -0.071	110.00 +0.054 +0.000
MCWE-105X115X7	105	115	7	7.50 +0.50 +0.00	105.00 -0.036 -0.071	115.00 +0.054 +0.000
MCWE-110X120X7	110	120	7	7.50 +0.50 +0.00	110.00 -0.036 -0.071	120.00 +0.054 +0.000
MCWE-115X125X7	115	125	7	7.50 +0.50 +0.00	115.00 -0.036 -0.071	125.00 +0.063 +0.000
MCWE-120X130X7	120	130	7	7.50 +0.50 +0.00	120.00 -0.036 -0.071	130.00 +0.063 +0.000
MCWE-130X146X9	130	146	9	9.50 +0.50 +0.00	130.00 -0.043 -0.083	146.00 +0.063 +0.000

Seal color may vary.

STYLE MCWI METAL CLAD WIPERS

This wiper is a single lip design molded from high grade urethane and bonded to a carbon steel case.

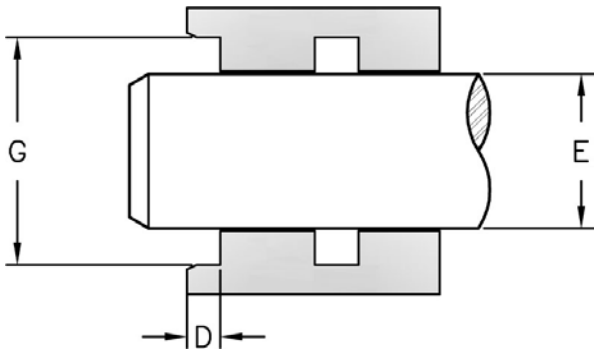


PART NUMBERS

MCWI - 35 X 47 X 7

Type of Seal — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWI-35X47X7	35	47	7	7.00 +0.50 -0.30	35.00 -0.025 -0.064	47.00 +0.039 +0.000
MCWI-35X50X9	35	50	9	9.00 +0.60 -0.40	35.00 -0.025 -0.064	50.00 +0.039 +0.000
MCWI-40X52X6	40	52	6	6.00 +0.50 -0.30	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCWI-40X52X7	40	52	7	7.00 +0.50 -0.30	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCWI-40X55X9	40	55	9	9.00 +0.60 -0.40	40.00 -0.025 -0.064	55.00 +0.046 +0.000
MCWI-45X57X7	45	57	7	7.00 +0.50 -0.30	45.00 -0.025 -0.064	57.00 +0.046 +0.000
MCWI-45X60X7.5	45	60	7.5	7.50 +0.60 -0.40	45.00 -0.025 -0.064	60.00 +0.046 +0.000
MCWI-45X60X9	45	60	9	9.00 +0.60 -0.40	45.00 -0.025 -0.064	60.00 +0.046 +0.000
MCWI-50X64X8	50	64	8	8.00 +0.60 -0.40	50.00 -0.025 -0.064	64.00 +0.046 +0.000
MCWI-50X65X7.5	50	65	7.5	7.50 +0.50 -0.30	50.00 -0.025 -0.064	65.00 +0.046 +0.000
MCWI-50X65X9	50	65	9	9.00 +0.60 -0.40	50.00 -0.025 -0.064	65.00 +0.046 +0.000
MCWI-55X69X8	55	69	8	8.00 +0.60 -0.40	55.00 -0.030 -0.076	69.00 +0.046 +0.000
MCWI-56X70X7.5	56	70	7.5	7.50 +0.50 -0.30	56.00 -0.030 -0.076	70.00 +0.046 +0.000
MCWI-56X71X9	56	71	9	9.00 +0.60 -0.40	56.00 -0.030 -0.076	71.00 +0.046 +0.000
MCWI-60X70X7	60	70	7	7.00 +0.50 -0.30	60.00 -0.030 -0.076	70.00 +0.046 +0.000
MCWI-60X73X6	60	73	6	6.00 +0.50 -0.30	60.00 -0.030 -0.076	73.00 +0.046 +0.000

STYLE MCWI METAL CLAD WIPERS

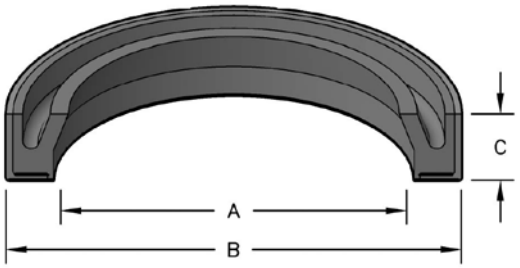
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWI-60X74X8	60	74	8	8.00 +0.60 -0.40	60.00 -0.030 -0.076	74.00 +0.046 +0.000
MCWI-60X75X6	60	75	6	6.00 +0.50 -0.30	60.00 -0.030 -0.076	75.00 +0.046 +0.000
MCWI-60X75X7.5	60	75	7.5	7.50 +0.50 -0.30	60.00 -0.030 -0.076	75.00 +0.046 +0.000
MCWI-63X78X7.5	63	78	7.5	7.50 +0.60 -0.40	63.00 -0.030 -0.076	78.00 +0.046 +0.000
MCWI-63X78X9	63	78	9	9.00 +0.60 -0.40	63.00 -0.030 -0.076	78.00 +0.046 +0.000
MCWI-65X79X8	65	79	8	8.00 +0.60 -0.40	65.00 -0.030 -0.076	79.00 +0.046 +0.000
MCWI-70X80X7	70	80	7	7.00 +0.50 -0.30	70.00 -0.030 -0.076	80.00 +0.046 +0.000
MCWI-70X84X8	70	84	8	8.00 +0.60 -0.40	70.00 -0.030 -0.076	84.00 +0.054 +0.000
MCWI-70X85X7	70	85	7	7.00 +0.50 -0.30	70.00 -0.030 -0.076	85.00 +0.054 +0.000
MCWI-70X85X7.5	70	85	7.5	7.50 +0.50 -0.30	70.00 -0.030 -0.076	85.00 +0.054 +0.000
MCWI-70X85X8	70	85	8	8.00 +0.60 -0.40	70.00 -0.030 -0.076	85.00 +0.054 +0.000
MCWI-75X89X8	75	89	8	8.00 +0.60 -0.40	75.00 -0.030 -0.076	89.00 +0.054 +0.000
MCWI-75X90X8	75	90	8	8.00 +0.60 +0.40	75.00 +0.000 -0.074	90.00 +0.054 +0.000
MCWI-75X95X10	75	95	10	10.00 +0.60 -0.40	75.00 -0.030 -0.076	95.00 +0.054 +0.000
MCWI-80X90X7	80	90	7	7.00 +0.50 -0.30	80.00 -0.030 -0.076	90.00 +0.054 +0.000
MCWI-80X94X8	80	94	8	8.00 +0.60 -0.40	80.00 -0.030 -0.076	94.00 +0.054 +0.000
MCWI-80X95X8	80	95	8	8.00 +0.60 -0.40	80.00 -0.030 -0.076	95.00 +0.054 +0.000
MCWI-80X100X7	80	100	7	7.00 +0.50 -0.30	80.00 -0.030 -0.076	100.00 +0.054 +0.000
MCWI-85X99X8	85	99	8	8.00 +0.60 -0.40	85.00 -0.036 -0.090	99.00 +0.054 +0.000
MCWI-85X100X8	85	100	8	8.00 +0.60 +0.40	85.00 +0.000 -0.087	100.00 +0.054 +0.000
MCWI-90X104X8	90	104	8	8.00 +0.60 -0.40	90.00 -0.036 -0.090	104.00 +0.054 +0.000
MCWI-90X105X6	90	105	6	6.00 +0.50 -0.30	90.00 -0.036 -0.090	105.00 +0.054 +0.000
MCWI-90X105X7	90	105	7	7.00 +0.50 -0.30	90.00 -0.036 -0.090	105.00 +0.054 +0.000
MCWI-90X105X8	90	105	8	8.00 +0.60 -0.40	90.00 -0.036 -0.090	105.00 +0.054 +0.000
MCWI-90X106X8	90	106	8	8.00 +0.60 -0.40	90.00 -0.036 -0.090	106.00 +0.054 +0.000
MCWI-95X109X8	95	109	8	8.00 +0.60 -0.40	95.00 -0.036 -0.090	109.00 +0.054 +0.000
MCWI-95X110X8	95	110	8	8.00 +0.60 -0.40	95.00 -0.036 -0.090	110.00 +0.054 +0.000
MCWI-100X114X8	100	114	8	8.00 +0.60 -0.40	100.00 -0.036 -0.090	114.00 +0.054 +0.000
MCWI-100X115X7	100	115	7	7.00 +0.50 -0.30	100.00 -0.036 -0.090	115.00 +0.054 +0.000
MCWI-100X116X8	100	116	8	8.00 +0.60 -0.40	100.00 -0.036 -0.090	116.00 +0.054 +0.000
MCWI-105X121X9	105	121	9	9.00 +0.60 -0.40	105.00 -0.036 -0.090	121.00 +0.063 +0.000
MCWI-110X125X8	110	125	8	8.00 +0.60 -0.40	110.00 -0.036 -0.090	125.00 +0.063 +0.000
MCWI-110X126X8	110	126	8	8.00 +0.60 -0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000

STYLE MCWI METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWI-110X126X9	110	126	9	9.00 +0.60 -0.40	110.00 -0.036 -0.090	126.00 +0.063 +0.000
MCWI-110X130X8	110	130	8	8.00 +0.60 -0.40	110.00 -0.036 -0.090	130.00 +0.063 +0.000
MCWI-110X130X10	110	130	10	10.00 +0.60 -0.40	110.00 -0.036 -0.090	130.00 +0.063 +0.000
MCWI-120X135X8	120	135	8	8.00 +0.60 -0.40	120.00 -0.036 -0.090	135.00 +0.063 +0.000
MCWI-120X136X9	120	136	9	9.00 +0.60 -0.40	120.00 -0.036 -0.090	136.00 +0.063 +0.000
MCWI-120X140X10	120	140	10	10.00 +0.60 -0.40	120.00 -0.036 -0.090	140.00 +0.063 +0.000
MCWI-125X140X8	125	140	8	8.00 +0.60 -0.40	125.00 -0.043 -0.106	140.00 +0.063 +0.000
MCWI-125X140X9	125	140	9	9.00 +0.60 -0.40	125.00 -0.043 -0.106	140.00 +0.063 +0.000
MCWI-130X146X9	130	146	9	9.00 +0.60 -0.40	130.00 -0.043 -0.106	146.00 +0.063 +0.000
MCWI-140X160X10	140	160	10	10.00 +0.60 -0.40	140.00 -0.043 -0.106	160.00 +0.063 +0.000
MCWI-150X170X10	150	170	10	10.00 +0.60 -0.40	150.00 -0.043 -0.106	170.00 +0.063 +0.000
MCWI-160X180X10	160	180	10	10.00 +0.60 -0.40	160.00 -0.043 -0.106	180.00 +0.063 +0.000

STYLE MCWIN SNAP-IN WIPERS

This wiper is a single lip design molded from high grade nitrile and bonded to a carbon steel case.

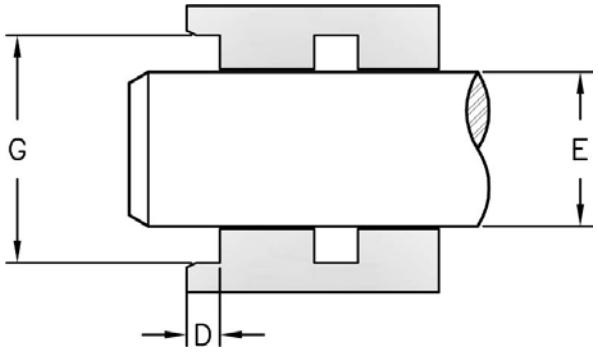


PART NUMBERS

MCWIN - 30 X 40 X 6

Type of Seal | Inside Diameter | Outside Diameter | Height

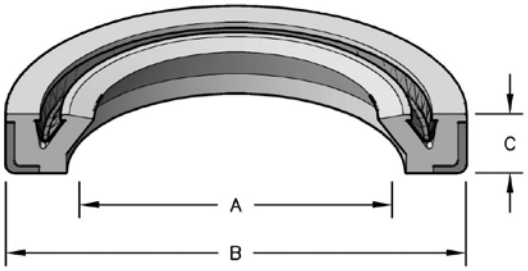
SEAL INFORMATION	
MATERIAL	80 NBR/STEEL
TEMPERATURE RANGE	-13° TO +212° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWIN-30X40X6	30	40	6	6.00 +0.50 -0.30	30.00 -0.020 -0.053	40.00 +0.039 +0.000
MCWIN-35X45X6	35	45	6	6.00 +0.50 -0.30	35.00 -0.025 -0.064	45.00 +0.039 +0.000
MCWIN-40X50X6	40	50	6	6.00 +0.50 -0.30	40.00 -0.025 -0.064	50.00 +0.039 +0.000
MCWIN-45X55X6	45	55	6	6.00 +0.50 -0.30	45.00 -0.025 -0.064	55.00 +0.046 +0.000
MCWIN-50X62X7	50	62	7	7.00 +0.50 -0.30	50.00 -0.025 -0.064	62.00 +0.046 +0.000
MCWIN-55X67X7	55	67	7	7.00 +0.50 -0.30	55.00 -0.030 -0.076	67.00 +0.046 +0.000
MCWIN-60X72X7	60	72	7	7.00 +0.50 -0.30	60.00 -0.030 -0.076	72.00 +0.046 +0.000
MCWIN-65X77X7	65	77	7	7.00 +0.50 -0.30	65.00 -0.030 -0.076	77.00 +0.046 +0.000
MCWIN-75X87X7	75	87	7	7.00 +0.50 -0.30	75.00 -0.030 -0.076	87.00 +0.054 +0.000
MCWIN-85X97X7	85	97	7	7.00 +0.50 -0.30	85.00 -0.036 -0.090	97.00 +0.054 +0.000

STYLE MCWS METAL CLAD WIPERS

Molded from high grade urethane and bonded to a carbon steel case, this wiper utilizes a stainless steel finger spring to maintain a high radial force on the rod.

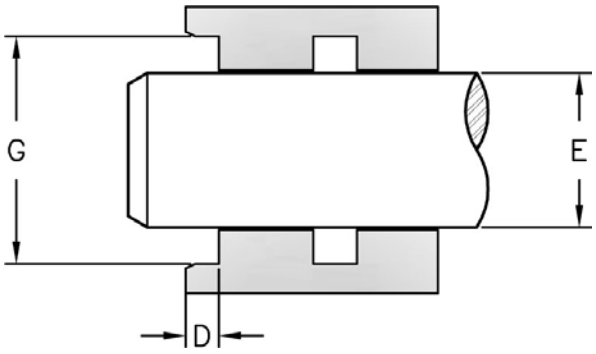


PART NUMBERS

MCWS - 32 X 42 X 7

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWS-32X42X7	32	42	7	7.00 +0.50 +0.30	32.00 -0.025 -0.064	42.00 +0.10 +0.00
MCWS-40X50X7	40	50	7	7.00 +0.50 +0.30	40.00 -0.025 -0.064	50.00 +0.10 +0.00
MCWS-45X55X7	45	55	7	7.00 +0.50 +0.30	45.00 -0.025 -0.064	55.00 +0.12 +0.00
MCWS-50X60X7	50	60	7	7.00 +0.50 +0.30	50.00 -0.025 -0.064	60.00 +0.12 +0.00
MCWS-56X68X7	56	68	7	7.00 +0.50 +0.30	56.00 -0.030 -0.076	68.00 +0.12 +0.00
MCWS-63X75X7	63	75	7	7.00 +0.50 +0.30	63.00 -0.030 -0.076	75.00 +0.12 +0.00
MCWS-63X83X10	63	83	10	10.00 +0.60 +0.40	63.00 -0.030 -0.076	83.00 +0.14 +0.00
MCWS-70X90X10	70	90	10	10.00 +0.60 +0.40	70.00 -0.030 -0.076	90.00 +0.14 +0.00
MCWS-80X100X10	80	100	10	10.00 +0.60 +0.40	80.00 -0.030 -0.076	100.00 +0.14 +0.00

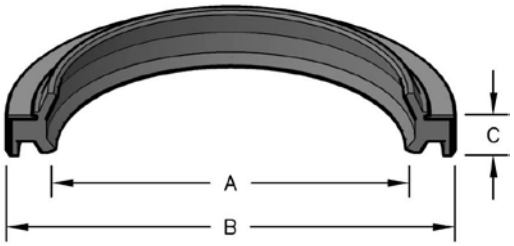
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCKB METAL CLAD WIPERS

Utilizing a double lip of nitrile bonded to a carbon steel case, this wiper prevents contaminant ingression at the wiping lip and around the outer case.

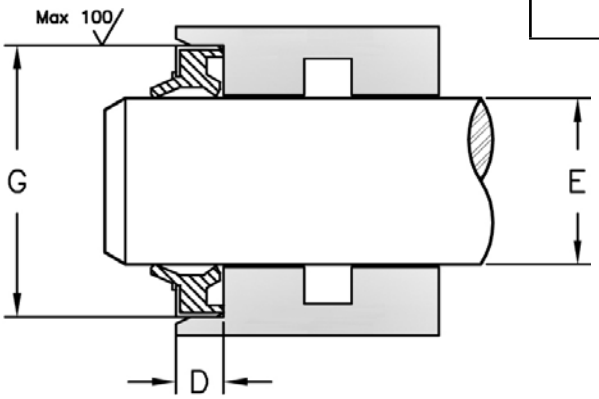


PART NUMBERS

MCKB - 20 X 32 X 6

Type of Seal	Inside Diameter	Outside Diameter	Height

SEAL INFORMATION	
MATERIAL	80A NITRILE
TEMPERATURE RANGE	-20° TO +250° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKB-20X32X6	20	32	6	6.00 +0.50 +0.30	20.00 -0.020 -0.053	32.00 +0.039 +0.000
MCKB-22X32X6	22	32	6	6.00 +0.50 +0.30	22.00 -0.020 -0.053	32.00 +0.039 +0.000
MCKB-22X34X6	22	34	6	6.00 +0.50 +0.30	22.00 -0.020 -0.053	34.00 +0.039 +0.000
MCKB-25X37X6	25	37	6	6.00 +0.50 +0.30	25.00 -0.020 -0.053	37.00 +0.039 +0.000
MCKB-30X42X6	30	42	6	6.00 +0.50 +0.30	30.00 -0.020 -0.053	42.00 +0.039 +0.000
MCKB-30X45X6	30	45	6	6.00 +0.50 +0.30	30.00 -0.020 -0.053	45.00 +0.039 +0.000
MCKB-30X47X7	30	47	7	7.00 +0.50 +0.30	30.00 -0.020 -0.053	47.00 +0.039 +0.000
MCKB-32X52X8	32	52	8	8.00 +0.60 +0.40	32.00 -0.025 -0.064	52.00 +0.046 +0.000
MCKB-35X47X7	35	47	7	7.00 +0.50 +0.30	35.00 -0.025 -0.064	47.00 +0.039 +0.000
MCKB-36X48X7	36	48	7	7.00 +0.50 +0.30	36.00 -0.025 -0.064	48.00 +0.039 +0.000
MCKB-40X52X7	40	52	7	7.00 +0.50 +0.30	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCKB-40X62X8	40	62	8	8.00 +0.60 +0.40	40.00 -0.025 -0.064	62.00 +0.046 +0.000
MCKB-45X57X7	45	57	7	7.00 +0.50 +0.30	45.00 -0.025 -0.064	57.00 +0.046 +0.000
MCKB-50X62X7	50	62	7	7.00 +0.50 +0.30	50.00 -0.025 -0.064	62.00 +0.046 +0.000
MCKB-50X72X8	50	72	8	8.00 +0.60 +0.40	50.00 -0.025 -0.064	72.00 +0.046 +0.000
MCKB-55X69X8	55	69	8	8.00 +0.60 +0.40	55.00 -0.030 -0.076	69.00 +0.046 +0.000
MCKB-60X74X8	60	74	8	8.00 +0.60 +0.40	60.00 -0.030 -0.076	74.00 +0.046 +0.000
MCKB-63X77X8	63	77	8	8.00 +0.60 +0.40	63.00 -0.030 -0.076	77.00 +0.046 +0.000

STYLE MCKB METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCKB-65X79X8	65	79	8	8.00 +0.60 +0.40	65.00 -0.030 -0.076	79.00 +0.046 +0.000
MCKB-70X84X8	70	84	8	8.00 +0.60 +0.40	70.00 -0.030 -0.076	84.00 +0.054 +0.000
MCKB-75X89X8	75	89	8	8.00 +0.60 +0.40	75.00 -0.030 -0.076	89.00 +0.054 +0.000
MCKB-80X94X8	80	94	8	8.00 +0.60 +0.40	80.00 -0.030 -0.076	94.00 +0.054 +0.000
MCKB-85X99X8	85	99	8	8.00 +0.60 +0.40	85.00 -0.036 -0.090	99.00 +0.054 +0.000
MCKB-90X104X8	90	104	8	8.00 +0.60 +0.40	90.00 -0.036 -0.090	104.00 +0.054 +0.000
MCKB-95X109X8	95	109	8	8.00 +0.60 +0.40	95.00 -0.036 -0.090	109.00 +0.054 +0.000
MCKB-100X114X8	100	114	8	8.00 +0.60 +0.40	100.00 -0.036 -0.090	114.00 +0.054 +0.000
MCKB-105X121X9	105	121	9	9.00 +0.60 +0.40	105.00 -0.036 -0.090	121.00 +0.063 +0.000
MCKB-112X128X9	112	128	9	9.00 +0.60 +0.40	112.00 -0.036 -0.090	128.00 +0.063 +0.000
MCKB-115X131X9	115	131	9	9.00 +0.60 +0.40	115.00 -0.036 -0.090	131.00 +0.063 +0.000

Seal color may vary.

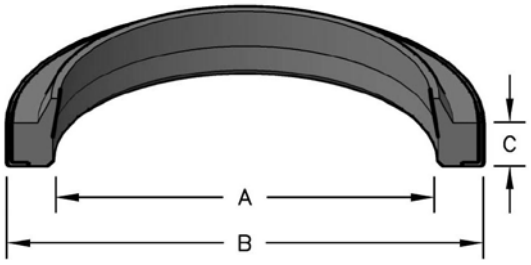
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCWN METAL CLAD WIPERS

This wiper is a single lip design molded from high grade nitrile and bonded to a carbon steel case.

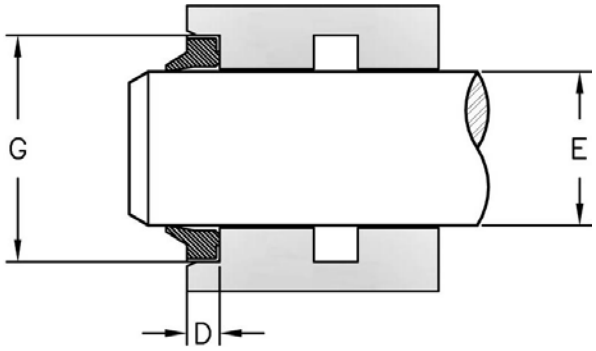


PART NUMBERS

MCWN - 10 X 16 X 3

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-30° TO +220° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWN-10X16X3	10	16	3	3.00 +0.20 +0.00	10.00 -0.013 -0.035	16.00 +0.027 +0.000
MCWN-12X18X3.5	12	18	3.5	3.50 +0.20 +0.00	12.00 -0.016 -0.043	18.00 +0.027 +0.000
MCWN-12X20X4	12	20	4	4.00 +0.20 +0.00	12.00 -0.016 -0.043	20.00 +0.033 +0.000
MCWN-12X22X5	12	22	5	5.00 +0.20 +0.00	12.00 -0.016 -0.043	22.00 +0.033 +0.000
MCWN-15X25X5	15	25	5	5.00 +0.20 +0.00	15.00 -0.016 -0.043	25.00 +0.033 +0.000
MCWN-16X22X3	16	22	3	3.00 +0.20 +0.00	16.00 -0.016 -0.043	22.00 +0.033 +0.000
MCWN-16X26X5	16	26	5	5.00 +0.20 +0.00	16.00 -0.016 -0.043	26.00 +0.033 +0.000
MCWN-18X26X3	18	26	3	3.00 +0.20 +0.00	18.00 -0.016 -0.043	26.00 +0.033 +0.000
MCWN-18X28X7	18	28	7	7.00 +0.20 +0.00	18.00 -0.016 -0.043	28.00 +0.033 +0.000
MCWN-20X26X5	20	26	5	5.00 +0.20 +0.00	20.00 -0.020 -0.053	26.00 +0.033 +0.000
MCWN-20X28X3.5	20	28	3.5	3.50 +0.20 +0.00	20.00 -0.020 -0.053	28.00 +0.033 +0.000
MCWN-20X28X5	20	28	5	5.00 +0.20 +0.00	20.00 -0.020 -0.053	28.00 +0.033 +0.000
MCWN-20X30X4	20	30	4	4.00 +0.20 +0.00	20.00 -0.020 -0.053	30.00 +0.033 +0.000
MCWN-20X30X5	20	30	5	5.00 +0.20 +0.00	20.00 -0.020 -0.053	30.00 +0.033 +0.000
MCWN-20X30X7	20	30	7	7.00 +0.20 +0.00	20.00 -0.020 -0.053	30.00 +0.033 +0.000
MCWN-22X28X5	22	28	5	5.00 +0.20 +0.00	22.00 -0.020 -0.053	28.00 +0.033 +0.000

STYLE MCWN METAL CLAD WIPERS

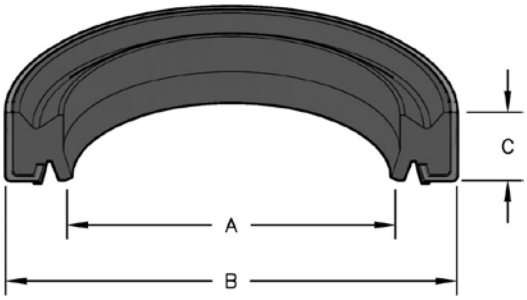
Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWN-22X32X5	22	32	5	5.00 +0.20 +0.00	22.00 -0.020 -0.053	32.00 +0.039 +0.000
MCWN-22X32X7	22	32	7	7.00 +0.20 +0.00	22.00 -0.020 -0.053	32.00 +0.039 +0.000
MCWN-25X33X4	25	33	4	4.00 +0.20 +0.00	25.00 -0.020 -0.053	33.00 +0.039 +0.000
MCWN-25X35X5	25	35	5	5.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.039 +0.000
MCWN-25X35X7	25	35	7	7.00 +0.20 +0.00	25.00 -0.020 -0.053	35.00 +0.039 +0.000
MCWN-28X38X5	28	38	5	5.00 +0.20 +0.00	28.00 -0.020 -0.053	38.00 +0.039 +0.000
MCWN-28X38X7	28	38	7	7.00 +0.20 +0.00	28.00 -0.020 -0.053	38.00 +0.039 +0.000
MCWN-28X40X7	28	40	7	7.00 +0.20 +0.00	28.00 -0.020 -0.053	40.00 +0.039 +0.000
MCWN-30X40X5	30	40	5	5.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 +0.039 +0.000
MCWN-30X40X7	30	40	7	7.00 +0.20 +0.00	30.00 -0.020 -0.053	40.00 +0.039 +0.000
MCWN-32X40X4	32	40	4	4.00 +0.20 +0.00	32.00 -0.025 -0.064	40.00 +0.039 +0.000
MCWN-32X42X5	32	42	5	5.00 +0.20 +0.00	32.00 -0.025 -0.064	42.00 +0.039 +0.000
MCWN-32X42X7	32	42	7	7.00 +0.20 +0.00	32.00 -0.025 -0.064	42.00 +0.039 +0.000
MCWN-32X45X4	32	45	4	4.00 +0.20 +0.00	32.00 -0.025 -0.064	45.00 +0.039 +0.000
MCWN-32X45X7	32	45	7	7.00 +0.20 +0.00	32.00 -0.025 -0.064	45.00 +0.039 +0.000
MCWN-33X43X7	33	43	7	7.00 +0.20 +0.00	33.00 -0.025 -0.064	43.00 +0.039 +0.000
MCWN-35X45X7	35	45	7	7.00 +0.20 +0.00	35.00 -0.025 -0.064	45.00 +0.039 +0.000
MCWN-35X47X7	35	47	7	7.00 +0.20 +0.00	35.00 -0.025 -0.064	47.00 +0.039 +0.000
MCWN-36X46X5	36	46	5	5.00 +0.20 +0.00	36.00 -0.025 -0.064	46.00 +0.039 +0.000
MCWN-38X48X7	38	48	7	7.00 +0.20 +0.00	38.00 -0.025 -0.064	48.00 +0.039 +0.000
MCWN-40X50X5	40	50	5	5.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.039 +0.000
MCWN-40X50X7	40	50	7	7.00 +0.20 +0.00	40.00 -0.025 -0.064	50.00 +0.039 +0.000
MCWN-40X52X7	40	52	7	7.00 +0.20 +0.00	40.00 -0.025 -0.064	52.00 +0.046 +0.000
MCWN-42X52X7	42	52	7	7.00 +0.20 +0.00	42.00 -0.025 -0.064	52.00 +0.046 +0.000
MCWN-45X55X5	45	55	5	5.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.046 +0.000
MCWN-45X55X7	45	55	7	7.00 +0.20 +0.00	45.00 -0.025 -0.064	55.00 +0.046 +0.000
MCWN-45X57X7	45	57	7	7.00 +0.20 +0.00	45.00 -0.025 -0.064	57.00 +0.046 +0.000
MCWN-45X60X7	45	60	7	7.00 +0.20 +0.00	45.00 -0.025 -0.064	60.00 +0.046 +0.000
MCWN-50X56X5	50	56	5	5.00 +0.20 +0.00	50.00 -0.025 -0.064	56.00 +0.046 +0.000
MCWN-50X60X5	50	60	5	5.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.046 +0.000
MCWN-50X60X7	50	60	7	7.00 +0.20 +0.00	50.00 -0.025 -0.064	60.00 +0.046 +0.000
MCWN-50X65X7	50	65	7	7.00 +0.20 +0.00	50.00 -0.025 -0.064	65.00 +0.046 +0.000
MCWN-52X62X7	52	62	7	7.00 +0.20 +0.00	52.00 -0.030 -0.076	62.00 +0.046 +0.000

STYLE MCWN METAL CLAD WIPERS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWN-55X63X7	55	63	7	7.00 +0.20 +0.00	55.00 -0.030 -0.076	63.00 +0.046 +0.000
MCWN-55X65X7	55	65	7	7.00 +0.20 +0.00	55.00 -0.030 -0.076	65.00 +0.046 +0.000
MCWN-56X65X7	56	65	7	7.00 +0.20 +0.00	56.00 -0.030 -0.076	65.00 +0.046 +0.000
MCWN-56X66X7	56	66	7	7.00 +0.20 +0.00	56.00 -0.030 -0.076	66.00 +0.046 +0.000
MCWN-60X70X7	60	70	7	7.00 +0.20 +0.00	60.00 -0.030 -0.076	70.00 +0.046 +0.000
MCWN-60X75X7	60	75	7	7.00 +0.20 +0.00	60.00 -0.030 -0.076	75.00 +0.046 +0.000
MCWN-63X75X7	63	75	7	7.00 +0.20 +0.00	63.00 -0.030 -0.076	75.00 +0.046 +0.000
MCWN-65X75X7	65	75	7	7.00 +0.20 +0.00	65.00 -0.030 -0.076	75.00 +0.046 +0.000
MCWN-70X80X5	70	80	5	5.00 +0.20 +0.00	70.00 -0.030 -0.076	80.00 +0.046 +0.000
MCWN-70X80X7	70	80	7	7.00 +0.20 +0.00	70.00 -0.030 -0.076	80.00 +0.046 +0.000
MCWN-75X83X7	75	83	7	7.00 +0.20 +0.00	75.00 -0.030 -0.076	83.00 +0.054 +0.000
MCWN-75X85X7	75	85	7	7.00 +0.20 +0.00	75.00 -0.030 -0.076	85.00 +0.054 +0.000
MCWN-78X88X7	78	88	7	7.00 +0.20 +0.00	78.00 -0.030 -0.076	88.00 +0.054 +0.000
MCWN-80X90X7	80	90	7	7.00 +0.20 +0.00	80.00 -0.030 -0.076	90.00 +0.054 +0.000
MCWN-85X95X7	85	95	7	7.00 +0.20 +0.00	85.00 -0.036 -0.090	95.00 +0.054 +0.000
MCWN-90X100X7	90	100	7	7.00 +0.20 +0.00	90.00 -0.036 -0.090	100.00 +0.054 +0.000
MCWN-95X105X7	95	105	7	7.00 +0.20 +0.00	95.00 -0.036 -0.090	105.00 +0.054 +0.000
MCWN-100X110X7	100	110	7	7.00 +0.20 +0.00	100.00 -0.036 -0.090	110.00 +0.054 +0.000
MCWN-105X115X7	105	115	7	7.00 +0.20 +0.00	105.00 -0.036 -0.090	115.00 +0.054 +0.000
MCWN-110X120X7	110	120	7	7.00 +0.20 +0.00	110.00 -0.036 -0.090	120.00 +0.054 +0.000
MCWN-115X125X7	115	125	7	7.00 +0.20 +0.00	115.00 -0.036 -0.090	125.00 +0.063 +0.000
MCWN-120X130X7	120	130	7	7.00 +0.20 +0.00	120.00 -0.036 -0.090	130.00 +0.063 +0.000
MCWN-125X140X9	125	140	9	9.00 +0.20 +0.00	125.00 -0.043 -0.106	140.00 +0.063 +0.000
MCWN-130X145X9	130	145	9	9.00 +0.20 +0.00	130.00 -0.043 -0.106	145.00 +0.063 +0.000
MCWN-140X155X9	140	155	9	9.00 +0.20 +0.00	140.00 -0.043 -0.106	155.00 +0.063 +0.000
MCWN-150X165X9	150	165	9	9.00 +0.20 +0.00	150.00 -0.043 -0.106	165.00 +0.063 +0.000
MCWN-150X166X8	150	166	8	8.00 +0.50 +0.00	150.00 -0.043 -0.106	166.00 +0.063 +0.000
MCWN-160X175X9	160	175	9	9.00 +0.20 +0.00	160.00 -0.043 -0.106	175.00 +0.063 +0.000
MCWN-180X195X10	180	195	10	10.00 +0.20 +0.00	180.00 -0.043 -0.106	195.00 +0.072 +0.000
MCWN-200X220X12	200	220	12	12.00 +0.20 +0.00	200.00 -0.050 -0.122	220.00 +0.072 +0.000

Seal color may vary.

STYLE MCWHD METAL CLAD WIPERS

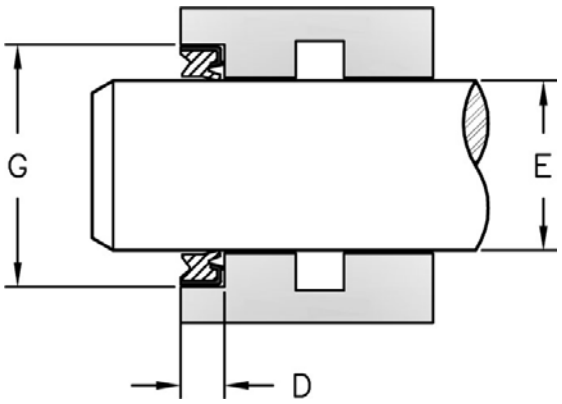


PART NUMBERS

MCWHD - 45 X 59 X 8.5

Type of Seal | Inside Diameter | Outside Diameter | Height

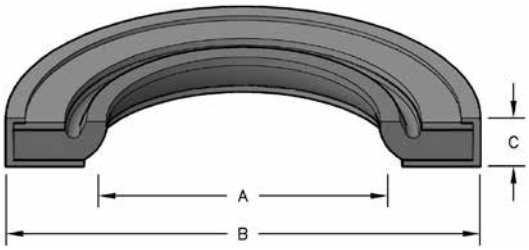
SEAL INFORMATION	
MATERIAL	URETHANE LIP STEEL CASE
TEMPERATURE RANGE	-65° TO +230° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWHD-45X59X8.5	45	59	8.5	8.50	45.00	59.00
MCWHD-50X67.5X11	50	67.5	11	11.00	50.00	67.50
MCWHD-50X69X11	50	69	11	11.00	50.00	69.00
MCWHD-55X72.5X11	55	72.5	11	11.00	55.00	72.50
MCWHD-55X74X11	55	74	11	11.00	55.00	74.00
MCWHD-60X79X11	60	79	11	11.00	60.00	79.00
MCWHD-65X84.02X11	65	84.02	11	11.00	65.00	84.02
MCWHD-80X100.4X14	80	100.4	14	14.00	80.00	100.40
MCWHD-85X105X14	85	105	14	14.00	85.00	105.00
MCWHD-90X110.35X14	90	110.35	14	14.00	90.00	110.35
MCWHD-95X115X14	95	115	14	14.00	95.00	115.00

STYLE MDS LINK PIN DUST SEALS

Molded in nitrile with a steel case, this seal is double cased and used to exclude contaminants from cylinder link pins.



PART NUMBERS

MDS - 30 X 40 X 4

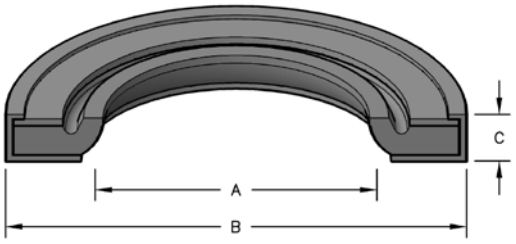
Type of Seal — Inside Diameter — Outside Diameter — Height

SEAL INFORMATION	
MATERIAL	NITRILE SEAL STEEL CASE
TEMPERATURE RANGE	-40° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDS-22X28X4	22	28	4
MDS-22X30X4	22	30	4
MDS-25X32X4	25	32	4
MDS-30X40X4	30	40	4
MDS-35X42X4	35	42	4
MDS-35X45X4	35	45	4
MDS-40X50X4	40	50	4
MDS-45X55X4	45	55	4
MDS-50X58X4	50	58	4
MDS-50X60X4	50	60	4
MDS-50X63X4	50	63	4
MDS-50X65X6	50	65	6
MDS-55X68X4	55	68	4
MDS-60X75X4	60	75	4
MDS-65X80X4	65	80	4
MDS-70X80X3	70	80	3
MDS-70X85X4	70	85	4
MDS-70X85X6	70	85	6
MDS-75X90X4	75	90	4
MDS-80X95X4	80	95	4
MDS-80X95X6	80	95	6
MDS-85X100X4	85	100	4
MDS-90X105X4	90	105	4
MDS-95X110X4	95	110	4
MDS-100X115X4	100	115	4
MDS-100X120X4	100	120	4
MDS-110X125X4	110	125	4
MDS-120X135X4	120	135	4
MDS-140X160X7.5	140	160	7.5

STYLE MDSU LINK PIN DUST SEALS

Molded in urethane with a steel case, this seal is double cased and used to exclude contaminants from cylinder link pins.



PART NUMBERS

MDSU - 25 X 35 X 4

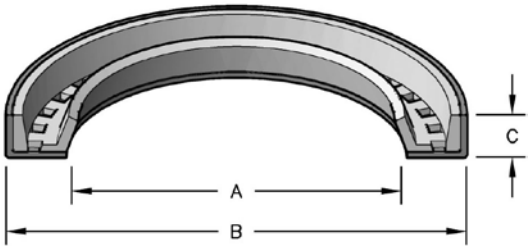
Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	URETHANE SEAL STEEL CASE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MDSU-25X35X4	25	35	4
MDSU-30X40X4	30	40	4
MDSU-35X45X4	35	45	4
MDSU-40X50X4	40	50	4
MDSU-40X50X6	40	50	6
MDSU-45X55X4	45	55	4
MDSU-45X55X6	45	55	6
MDSU-50X60X4	50	60	4
MDSU-50X60X6	50	60	6
MDSU-50X65X6	50	65	6
MDSU-55X68X4	55	68	4
MDSU-55X70X6	55	70	6
MDSU-55X75X6	55	75	6
MDSU-60X75X4	60	75	4
MDSU-60X75X6	60	75	6
MDSU-65X75X4	65	75	4
MDSU-65X80X4	65	80	4
MDSU-70X80X6	70	80	6
MDSU-70X85X6	70	85	6
MDSU-80X95X4	80	95	4
MDSU-85X100X4	85	100	4
MDSU-95X110X8	95	110	8
MDSU-100X115X4	100	115	4
MDSU-100X115X8	100	115	8
MDSU-110X125X4	110	125	4

STYLE MCWA METAL CLAD DUST SEALS

This seal is single cased with a urethane lip and used to exclude contaminants from cylinder link pins.

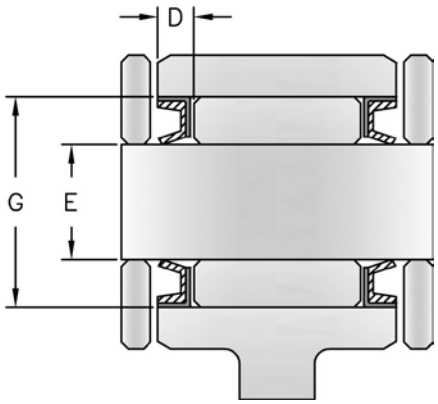


PART NUMBERS

MCWA - 30 X 40 X 4

Type of Seal	Inside Diameter	Outside Diameter	Height

SEAL INFORMATION	
MATERIAL	URETHANE SEAL STEEL CASE
TEMPERATURE RANGE	-30° TO +200° F
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWA-25X35X4	25	35	4	4.00 +0.50 +0.30	25.00 +0.000 -0.052	35.00 +0.039 +0.000
MCWA-30X40X4	30	40	4	4.00 +0.50 +0.30	30.00 +0.000 -0.052	40.00 +0.039 +0.000
MCWA-30X40X5	30	40	5	5.00 +0.50 +0.30	30.00 +0.000 -0.052	40.00 +0.039 +0.000
MCWA-35X45X5	35	45	5	5.00 +0.50 +0.30	35.00 +0.000 -0.062	45.00 +0.039 +0.000
MCWA-35X45X6	35	45	6	6.00 +0.50 +0.30	35.00 +0.000 -0.062	45.00 +0.039 +0.000
MCWA-40X50X3.18	40	50	3.18	3.18 +0.50 +0.30	40.00 +0.000 -0.062	50.00 +0.039 +0.000
MCWA-40X50X4	40	50	4	4.00 +0.50 +0.30	40.00 +0.000 -0.062	50.00 +0.039 +0.000
MCWA-40X50X5	40	50	5	5.00 +0.50 +0.30	40.00 +0.000 -0.062	50.00 +0.039 +0.000
MCWA-42X52X5	42	52	5	5.00 +0.50 +0.30	42.00 +0.000 -0.062	52.00 +0.046 +0.000
MCWA-45X55X3.18	45	55	3.18	3.18 +0.50 +0.30	45.00 +0.000 -0.062	55.00 +0.046 +0.000
MCWA-45X55X4	45	55	4	4.00 +0.50 +0.30	45.00 +0.000 -0.062	55.00 +0.046 +0.000
MCWA-45X55X5	45	55	5	5.00 +0.50 +0.30	45.00 +0.000 -0.062	55.00 +0.046 +0.000
MCWA-45X55X6	45	55	6	6.00 +0.50 +0.30	45.00 +0.000 -0.062	55.00 +0.046 +0.000
MCWA-45X60X5	45	60	5	5.00 +0.50 +0.30	45.00 +0.000 -0.062	60.00 +0.046 +0.000
MCWA-50X60X4	50	60	4	4.00 +0.50 +0.30	50.00 +0.000 -0.062	60.00 +0.046 +0.000
MCWA-50X60X5	50	60	5	5.00 +0.50 +0.30	50.00 +0.000 -0.062	60.00 +0.046 +0.000
MCWA-50X63X8	50	63	8	8.00 +0.60 +0.40	50.00 +0.000 -0.062	63.00 +0.046 +0.000



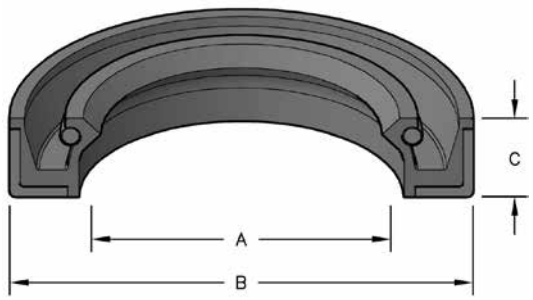
STYLE MCWA METAL CLAD DUST SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWA-50X65X5	50	65	5	5.00 +0.50 +0.30	50.00 +0.000 -0.062	65.00 +0.046 +0.000
MCWA-50X65X7.5	50	65	7.5	7.50 +0.50 +0.30	50.00 +0.000 -0.062	65.00 +0.046 +0.000
MCWA-55X65X3.18	55	65	3.18	3.18 +0.50 +0.30	55.00 +0.000 -0.074	65.00 +0.046 +0.000
MCWA-55X65X4	55	65	4	4.00 +0.50 +0.30	55.00 +0.000 -0.074	65.00 +0.046 +0.000
MCWA-55X68X4	55	68	4	4.00 +0.50 +0.30	55.00 +0.000 -0.074	68.00 +0.046 +0.000
MCWA-55X68X6	55	68	6	6.00 +0.50 +0.30	55.00 +0.000 -0.074	68.00 +0.046 +0.000
MCWA-55X70X5	55	70	5	5.00 +0.50 +0.30	55.00 +0.000 -0.074	70.00 +0.046 +0.000
MCWA-55X70X6	55	70	6	6.00 +0.50 +0.30	55.00 +0.000 -0.074	70.00 +0.046 +0.000
MCWA-55X70X7.5	55	70	7.5	7.50 +0.50 +0.30	55.00 +0.000 -0.074	70.00 +0.046 +0.000
MCWA-60X70X4	60	70	4	4.00 +0.50 +0.30	60.00 +0.000 -0.074	70.00 +0.046 +0.000
MCWA-60X70X5	60	70	5	5.00 +0.50 +0.30	60.00 +0.000 -0.074	70.00 +0.046 +0.000
MCWA-60X73X8	60	73	8	8.00 +0.60 +0.40	60.00 +0.000 -0.074	73.00 +0.046 +0.000
MCWA-60X75X4	60	75	4	4.00 +0.50 +0.30	60.00 +0.000 -0.074	75.00 +0.046 +0.000
MCWA-60X75X5	60	75	5	5.00 +0.50 +0.30	60.00 +0.000 -0.074	75.00 +0.046 +0.000
MCWA-60X75X6	60	75	6	6.00 +0.50 +0.30	60.00 +0.000 -0.074	75.00 +0.046 +0.000
MCWA-60X75X7.5	60	75	7.5	7.50 +0.50 +0.30	60.00 +0.000 -0.074	75.00 +0.046 +0.000
MCWA-60X75X8	60	75	8	8.00 +0.60 +0.40	60.00 +0.000 -0.074	75.00 +0.046 +0.000
MCWA-65X80X5	65	80	5	5.00 +0.50 +0.30	65.00 +0.000 -0.074	80.00 +0.046 +0.000
MCWA-65X80X8	65	80	8	8.00 +0.60 +0.40	65.00 +0.000 -0.074	80.00 +0.046 +0.000
MCWA-70X80X5	70	80	5	5.00 +0.50 +0.30	70.00 +0.000 -0.074	80.00 +0.046 +0.000
MCWA-70X83X8	70	83	8	8.00 +0.60 +0.40	70.00 +0.000 -0.074	83.00 +0.054 +0.000
MCWA-70X85X5	70	85	5	5.00 +0.50 +0.30	70.00 +0.000 -0.074	85.00 +0.054 +0.000
MCWA-70X85X7.5	70	85	7.5	7.50 +0.50 +0.30	70.00 +0.000 -0.074	85.00 +0.054 +0.000
MCWA-70X85X8	70	85	8	8.00 +0.60 +0.40	70.00 +0.000 -0.074	85.00 +0.054 +0.000
MCWA-71X85X6	71	85	6	6.00 +0.50 +0.30	71.00 +0.000 -0.074	85.00 +0.054 +0.000
MCWA-71X86X5	71	86	5	5.00 +0.50 +0.30	71.00 +0.000 -0.074	86.00 +0.054 +0.000
MCWA-75X90X5	75	90	5	5.00 +0.50 +0.30	75.00 +0.000 -0.074	90.00 +0.054 +0.000
MCWA-75X90X8	75	90	8	8.00 +0.60 +0.40	75.00 +0.000 -0.074	90.00 +0.054 +0.000
MCWA-80X90X3.18	80	90	3.18	3.18 +0.50 +0.30	80.00 +0.000 -0.074	90.00 +0.054 +0.000
MCWA-80X90X7	80	90	7	7.00 +0.50 +0.30	80.00 +0.000 -0.074	90.00 +0.054 +0.000
MCWA-80X93X8	80	93	8	8.00 +0.60 +0.40	80.00 +0.000 -0.074	93.00 +0.054 +0.000
MCWA-80X95X5	80	95	5	5.00 +0.50 +0.30	80.00 +0.000 -0.074	95.00 +0.054 +0.000
MCWA-80X95X6	80	95	6	6.00 +0.50 +0.30	80.00 +0.000 -0.074	95.00 +0.054 +0.000

STYLE MCWA METAL CLAD DUST SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	E ROD DIAMETER	G HOUSING DIAMETER
MCWA-80X95X8	80	95	8	8.00 +0.60 +0.40	80.00 +0.000 -0.074	95.00 +0.054 +0.000
MCWA-80X100X6	80	100	6	6.00 +0.50 +0.30	80.00 +0.000 -0.074	100.00 +0.054 +0.000
MCWA-85X100X8	85	100	8	8.00 +0.60 +0.40	85.00 +0.000 -0.087	100.00 +0.054 +0.000
MCWA-90X100X7	90	100	7	7.00 +0.50 +0.30	90.00 +0.000 -0.087	100.00 +0.054 +0.000
MCWA-90X105X5	90	105	5	5.00 +0.50 +0.30	90.00 +0.000 -0.087	105.00 +0.054 +0.000
MCWA-90X105X6	90	105	6	6.00 +0.50 +0.30	90.00 +0.000 -0.087	105.00 +0.054 +0.000
MCWA-90X105X8	90	105	8	8.00 +0.60 +0.40	90.00 +0.000 -0.087	105.00 +0.054 +0.000
MCWA-90X110X10	90	110	10	10.00 +0.60 +0.40	90.00 +0.000 -0.087	110.00 +0.054 +0.000
MCWA-100X110X7	100	110	7	7.00 +0.50 +0.30	100.00 +0.000 -0.087	110.00 +0.054 +0.000
MCWA-100X115X7	100	115	7	7.00 +0.50 +0.30	100.00 +0.000 -0.087	115.00 +0.054 +0.000
MCWA-100X115X8	100	115	8	8.00 +0.60 +0.40	100.00 +0.000 -0.087	115.00 +0.054 +0.000
MCWA-100X120X8	100	120	8	8.00 +0.60 +0.40	100.00 +0.000 -0.087	120.00 +0.054 +0.000
MCWA-100X120X10	100	120	10	10.00 +0.60 +0.40	100.00 +0.000 -0.087	120.00 +0.054 +0.000
MCWA-105X120X7	105	120	7	7.00 +0.50 +0.30	105.00 +0.000 -0.087	120.00 +0.054 +0.000
MCWA-110X125X4	110	125	4	4.00 +0.50 +0.30	110.00 +0.000 -0.087	125.00 +0.063 +0.000
MCWA-110X125X5	110	125	5	5.00 +0.50 +0.30	110.00 +0.000 -0.087	125.00 +0.063 +0.000
MCWA-110X125X8	110	125	8	8.00 +0.60 +0.40	110.00 +0.000 -0.087	125.00 +0.063 +0.000
MCWA-110X125X9	110	125	9	9.00 +0.60 +0.40	110.00 +0.000 -0.087	125.00 +0.063 +0.000
MCWA-120X130X7	120	130	7	7.00 +0.50 +0.30	120.00 +0.000 -0.087	130.00 +0.063 +0.000
MCWA-120X135X5	120	135	5	5.00 +0.50 +0.30	120.00 +0.000 -0.087	135.00 +0.063 +0.000
MCWA-120X135X8	120	135	8	8.00 +0.60 +0.40	120.00 +0.000 -0.087	135.00 +0.063 +0.000
MCWA-125X140X8	125	140	8	8.00 +0.60 +0.40	125.00 +0.00 -0.10	140.00 +0.063 +0.000
MCWA-130X140X7	130	140	7	7.00 +0.50 +0.30	130.00 +0.00 -0.10	140.00 +0.063 +0.000
MCWA-140X155X8	140	155	8	8.00 +0.60 +0.40	140.00 +0.00 -0.10	155.00 +0.063 +0.000
MCWA-160X180X8	160	180	8	8.00 +0.60 +0.40	160.00 +0.00 -0.10	180.00 +0.063 +0.000

OIL SEALS



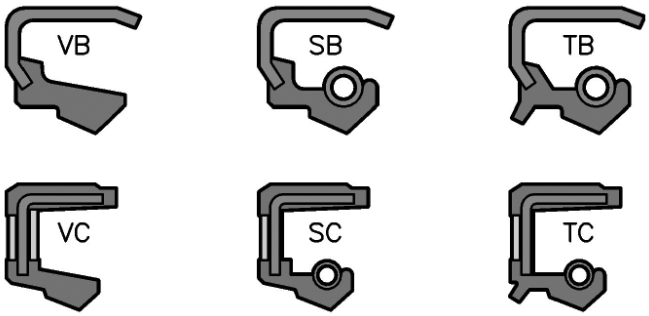
Note: V = Fluorocarbon

PART NUMBERS

MOS - 8 X 16 X 7TC

Type of Seal | Inside Diameter | Outside Diameter | Height

SEAL INFORMATION	
MATERIAL	RUBBER SEAL STEEL CASE
TEMPERATURE RANGE	-40° TO +225° F
PRESSURE RANGE	10 PSI @ 1000 FPM
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-8X16X7TC	8	16	7
MOS-8X18X5TC	8	18	5
MOS-8X25X8TC	8	25	8
MOS-10X19X7TC	10	19	7
MOS-10X20X7TC	10	20	7
MOS-10X22X7TC	10	22	7
MOS-10X30X7SC	10	30	7
MOS-12X19X3VC	12	19	3
MOS-12X20X4TC	12	20	4
MOS-12X20X5TC	12	20	5
MOS-12X22X7TC	12	22	7
MOS-12X24X7TC	12	24	7
MOS-12X25X7TC	12	25	7
MOS-12X26X7TC	12	26	7
MOS-12X28X7TC	12	28	7
MOS-13X25X7SC	13	25	7
MOS-14X20X3TC	14	20	3
MOS-14X24X6TC	14	24	6
MOS-14X24X7TC	14	24	7
MOS-14X28X7TC	14	28	7
MOS-15X24X7TC	15	24	7
MOS-15X25X7TC	15	25	7
MOS-15X28X7TC	15	28	7
MOS-15X30X7TC	15	30	7
MOS-15X32X7TC	15	32	7
MOS-15X35X7TC	15	35	7
MOS-16X20X2.5VM	16	20	2.5
MOS-16X26X6TC	16	26	6
MOS-16X28X7TC	16	28	7
MOS-16X30X7TC	16	30	7
MOS-16X35X7TC	16	35	7

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-17X28X7TC	17	28	7
MOS-17X29X7TC	17	29	7
MOS-17X30X6TC	17	30	6
MOS-17X30X7TC	17	30	7
MOS-17X30X8TC	17	30	8
MOS-17X32X7TC	17	32	7
MOS-17X35X8TC	17	35	8
MOS-17X38X7TC	17	38	7
MOS-18X24X3KC	18	24	3
MOS-18X28X4SC	18	28	4
MOS-18X28X7TC	18	28	7
MOS-18X30X7TC	18	30	7
MOS-18X30X8TC	18	30	8
MOS-18X32X7TC	18	32	7
MOS-18X35X7TC	18	35	7
MOS-19X30X7TC	19	30	7
MOS-19X34X7TC	19	34	7
MOS-19X35X7TC	19	35	7
MOS-20X26X4VC	20	26	4
MOS-20X26X4VM	20	26	4
MOS-20X28X4TM	20	28	4
MOS-20X30X7TC	20	30	7
MOS-20X32X7TC	20	32	7
MOS-20X33X5TC	20	33	5
MOS-20X35X6TC	20	35	6
MOS-20X35X7TC	20	35	7
MOS-20X36X7TC	20	36	7
MOS-20X40X7TC	20	40	7
MOS-20X45X7TC	20	45	7
MOS-20X47X7TC	20	47	7
MOS-22X28X4KC	22	28	4

OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-22X32X7SC	22	32	7
MOS-22X32X7TC	22	32	7
MOS-22X35X5TC	22	35	5
MOS-22X35X7TC	22	35	7
MOS-22X35X8TC	22	35	8
MOS-22X36X7TC	22	36	7
MOS-22X38X7TC	22	38	7
MOS-22X40X7TC	22	40	7
MOS-22X42X7TC	22	42	7
MOS-22X52X10TC	22	52	10
MOS-23X34X8TC	23	34	8
MOS-24X40X7TC	24	40	7
MOS-25X35X5TB-H	25	35	5
MOS-25X35X6TC	25	35	6
MOS-25X35X7TC	25	35	7
MOS-25X35X8TC	25	35	8
MOS-25X36X7TC	25	36	7
MOS-25X40X5TC	25	40	5
MOS-25X40X7SC	25	40	7
MOS-25X40X7TC	25	40	7
MOS-25X40X8TC	25	40	8
MOS-25X40X10TC	25	40	10
MOS-25X42X6TC	25	42	6
MOS-25X42X7TC	25	42	7
MOS-25X45X8TC	25	45	8
MOS-25X45X10TC	25	45	10
MOS-25X52X7TC	25	52	7
MOS-25X52X10TC	25	52	10
MOS-25X62X7TC	25	62	7
MOS-26X37X7TC	26	37	7
MOS-26X40X7TC	26	40	7
MOS-27X43X8TC	27	43	8
MOS-28X38X5TC	28	38	5
MOS-28X38X7TC	28	38	7
MOS-28X40X5TC	28	40	5
MOS-28X40X7TC	28	40	7
MOS-28X42X7TC	28	42	7
MOS-28X42X8TC	28	42	8
MOS-28X47X7TC	28	47	7
MOS-28X47X10TC	28	47	10
MOS-28X48X8TC	28	48	8
MOS-30X38X4SC	30	38	4
MOS-30X40X7SB	30	40	7
MOS-30X40X7TC	30	40	7
MOS-30X42X7TC	30	42	7
MOS-30X42X8TC	30	42	8
MOS-30X43X8TC	30	43	8
MOS-30X45X6TC	30	45	6
MOS-30X45X8TC	30	45	8
MOS-30X46X8TC	30	46	8
MOS-30X47X7TC	30	47	7
MOS-30X48X8TC	30	48	8
MOS-30X50X7TC	30	50	7
MOS-30X52X7TC	30	52	7
MOS-30X52X8TC	30	52	8
MOS-32X42X7TC	32	42	7
MOS-32X44X8TC	32	44	8
MOS-32X45X7TC	32	45	7

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-32X48X8TC	32	48	8
MOS-32X52X8TC	32	52	8
MOS-32X52X11TC	32	52	11
MOS-33X45X7SC	33	45	7
MOS-34X48X7TC	34	48	7
MOS-34X52X10SC	34	52	10
MOS-35X45X5VM	35	45	5
MOS-35X45X7TC	35	45	7
MOS-35X46X7TC	35	46	7
MOS-35X47X7TC	35	47	7
MOS-35X48X8TC	35	48	8
MOS-35X50X7SC	35	50	7
MOS-35X50X7TC	35	50	7
MOS-35X50X8TC	35	50	8
MOS-35X50X10TC	35	50	10
MOS-35X52X7TC	35	52	7
MOS-35X52X8TC	35	52	8
MOS-35X54X8TC	35	54	8
MOS-35X55X8TC	35	55	8
MOS-35X55X11TC	35	55	11
MOS-35X60X10SC	35	60	10
MOS-35X62X10TC	35	62	10
MOS-35X72X8TC	35	72	8
MOS-38X50X7TC	38	50	7
MOS-38X58X10TC	38	58	10
MOS-40X50X5TB-H	40	50	5
MOS-40X50X8TC	40	50	8
MOS-40X52X5TC	40	52	5
MOS-40X52X7SC	40	52	7
MOS-40X52X7TC	40	52	7
MOS-40X54X7TC	40	54	7
MOS-40X55X7SC	40	55	7
MOS-40X55X7TC	40	55	7
MOS-40X55X8TC	40	55	8
MOS-40X56X7TC	40	56	7
MOS-40X58X8TC	40	58	8
MOS-40X60X10TC	40	60	10
MOS-40X62X7TC	40	62	7
MOS-40X62X10TC	40	62	10
MOS-40X62X12TC	40	62	12
MOS-40X68X7TC	40	68	7
MOS-40X72X10TC	40	72	10
MOS-41X54X11DC	41	54	11
MOS-42X52X8TC	42	52	8
MOS-42X55X7TC	42	55	7
MOS-42X60X10TC	42	60	10
MOS-42X62X8TC	42	62	8
MOS-44X60X7TC	44	60	7
MOS-44X62X8TC	44	62	8
MOS-45X55X4VC	45	55	4
MOS-45X58X7TC	45	58	7
MOS-45X60X7TC	45	60	7
MOS-45X62X7TC	45	62	7
MOS-45X62X7VTC	45	62	7
MOS-45X62X8TC	45	62	8
MOS-45X62X10SA	45	62	10
MOS-45X65X7TC	45	65	7
MOS-45X65X8TC	45	65	8

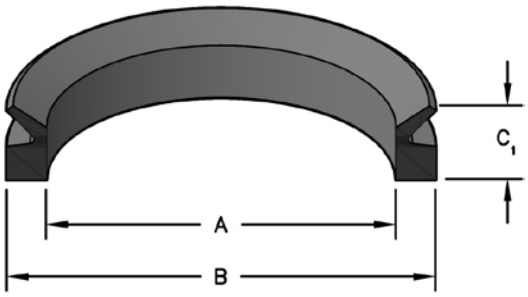
OIL SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-45X65X12TC	45	65	12
MOS-45X68X8TC	45	68	8
MOS-45X68X10TC	45	68	10
MOS-45X68X12TC	45	68	12
MOS-45X72X8TC	45	72	8
MOS-45X72X10TC	45	72	10
MOS-48X62X8TC	48	62	8
MOS-48X65X10TC	48	65	10
MOS-50X60X5TB-H	50	60	5
MOS-50X60X8TC	50	60	8
MOS-50X62X7TC	50	62	7
MOS-50X65X6TC	50	65	6
MOS-50X65X8TC	50	65	8
MOS-50X68X8TC	50	68	8
MOS-50X70X10TC	50	70	10
MOS-50X72X8TC	50	72	8
MOS-50X72X12TC	50	72	12
MOS-50X75X12TC	50	75	12
MOS-50X80X8TC	50	80	8
MOS-50X85X8TC	50	85	8
MOS-50X90X10TC	50	90	10
MOS-54X68X10TC	54	68	10
MOS-55X68X8TC	55	68	8
MOS-55X70X8TC	55	70	8
MOS-55X72X7VTC	55	72	7
MOS-55X72X8TC	55	72	8
MOS-55X72X10TC	55	72	10
MOS-55X80X10TC	55	80	10
MOS-55X85X10TC	55	85	10
MOS-55X90X10TC	55	90	10
MOS-60X75X8TC	60	75	8
MOS-60X78X9TC	60	78	9
MOS-60X80X9TC	60	80	9
MOS-60X80X10TC	60	80	10
MOS-60X80X12TC	60	80	12
MOS-60X82X12TC	60	82	12
MOS-60X85X10TC	60	85	10
MOS-60X95X10TC	60	95	10
MOS-62X78X8SB	62	78	8
MOS-62X80X10TC	62	80	10
MOS-62X85X8TC	62	85	8
MOS-62X85X10SC	62	85	10
MOS-65X85X10TC	65	85	10
MOS-65X88X12TC	65	88	12
MOS-65X90X10TC	65	90	10
MOS-68X90X10TC	68	90	10
MOS-70X80X10TC	70	80	10
MOS-70X85X8TC	70	85	8
MOS-70X90X7TC	70	90	7
MOS-70X90X10TC	70	90	10
MOS-70X90X12TC	70	90	12
MOS-70X95X13TC	70	95	13
MOS-70X100X10TC	70	100	10
MOS-70X110X10TC	70	110	10
MOS-75X95X10TC	75	95	10
MOS-75X100X10TC	75	100	10
MOS-80X100X7TC	80	100	7
MOS-80X100X10TC	80	100	10

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-80X105X10TC	80	105	10
MOS-80X105X13TC	80	105	13
MOS-80X115X13TC	80	115	13
MOS-82X105X12TC	82	105	12
MOS-85X100X12TC	85	100	12
MOS-85X103X7.5VTCL	85	103	7.5
MOS-85X110X10SC	85	110	10
MOS-85X110X12TC	85	110	12
MOS-85X110X12VTC	85	110	12
MOS-90X105X10TC	90	105	10
MOS-90X110X12TC	90	110	12
MOS-90X115X13TB	90	115	13
MOS-90X120X13TC	90	120	13
MOS-95X120X12TC	95	120	12
MOS-95X130X12TC	95	130	12
MOS-100X125X12TC	100	125	12
MOS-105X130X12TC	105	130	12
MOS-110X140X12TC	110	140	12
MOS-115X140X13TC	115	140	13
MOS-115X145X14TC	115	145	14
MOS-120X140X13SC	120	140	13
MOS-120X150X12SC	120	150	12
MOS-120X150X12TC	120	150	12
MOS-120X150X13SC	120	150	13
MOS-120X150X15TC	120	150	15
MOS-125X150X12VTF	125	150	12
MOS-130X160X12TC	130	160	12
MOS-140X170X13TC	140	170	13
MOS-150X180X15TC	150	180	15
MOS-160X190X13TC	160	190	13
MOS-180X210X15TC	180	210	15
MOS-200X230X13TC	200	230	13
MOS-200X230X15TC	200	230	15

RVA STYLE OIL SEALS

A V-ring is a nitrile seal that mounts directly on a shaft and seals axially against either the housing or the metal case of a shaft seal. A V-ring will rotate with the shaft unlike a normal shaft seal and, since it is rotating, V-rings are often used as slingers or deflectors

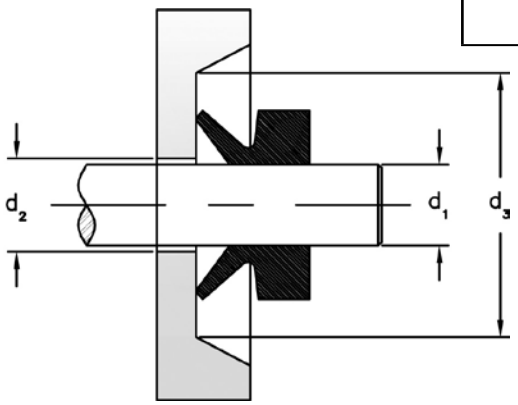


PART NUMBERS

RVA - 020

Type of Seal — Size

SEAL INFORMATION	
MATERIAL	NITRILE
TEMPERATURE RANGE	-40° TO +225° F
PRESSURE RANGE	0 - 5 PSI
SPEED	1.5 FT/SEC



Part Number	d1 Shaft Diameter	A Nom. ID	B Nom. OD	C_1 OVERALL HEIGHT	Maximum d2	Minimum d3
RVA-020	19~21	18	26	7.50	d1+2	d1+12
RVA-022	21~24	20	28	7.50	d1+2	d1+12
RVA-025	24~27	22	30	7.50	d1+2	d1+12
RVA-028	27~29	25	33	7.50	d1+3	d1+12
RVA-030	29~31	27	35	7.50	d1+3	d1+12
RVA-040	38~43	36	46	9.00	d1+3	d1+15
RVA-045	43~48	40	50	9.00	d1+3	d1+15
RVA-050	48~53	45	55	9.00	d1+3	d1+15
RVA-055	53~58	49	59	9.00	d1+3	d1+15
RVA-060	58~63	54	64	9.00	d1+3	d1+15
RVA-065	63~68	58	68	9.00	d1+3	d1+15
RVA-070	68~73	63	75	11.00	d1+4	d1+18
RVA-075	73~78	67	79	11.00	d1+4	d1+18
RVA-080	78~83	72	84	11.00	d1+4	d1+18
RVA-085	83~88	76	88	11.00	d1+4	d1+18
RVA-090	88~93	81	93	11.00	d1+4	d1+18
RVA-095	93~98	85	97	11.00	d1+4	d1+18
RVA-100	98~105	90	102	11.00	d1+4	d1+18
RVA-110	105~115	99	113	12.80	d1+4	d1+21
RVA-120	115~125	108	122	12.80	d1+4	d1+21
RVA-130	125~135	117	131	12.80	d1+4	d1+21
RVA-140	135~145	126	140	12.80	d1+4	d1+21
RVA-150	145~155	135	149	12.80	d1+4	d1+21
RVA-160	155~165	144	160	14.50	d1+5	d1+24
RVA-170	165~175	153	169	14.50	d1+5	d1+24
RVA-180	175~185	162	178	14.50	d1+5	d1+24

RVA STYLE OIL SEALS

Part Number	d1 Shaft Diameter	A Nom. ID	B Nom. OD	C_1 OVERALL HEIGHT	Maximum d2	Minimum d3
RVA-190	185~195	171	187	14.50	d1+5	d1+24
RVA-200	190~210	180	210	25.00	d1+10	d1+45
RVA-220	210~235	198	228	25.00	d1+10	d1+45
RVA-250	235~265	225	255	25.00	d1+10	d1+45
RVA-325	310~335	292	322	25.00	d1+10	d1+45
RVA-350	335~365	315	345	25.00	d1+10	d1+45

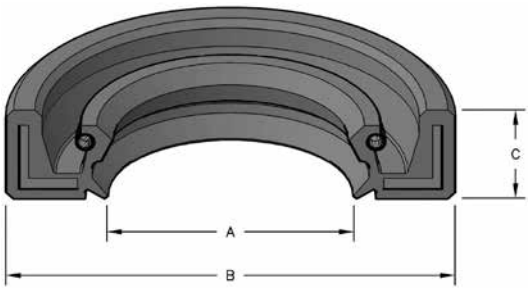
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

MOS STYLE SHAFT SEALS

Design Series BABSL has an extremely short, flexibly suspended sealing lip for sealing pressurized media without a backup ring. It also has a second lip for additional dust protection. Specifically designed for rotational pressure sealing. e.g. hydraulic pumps, hydraulic motors, hydrodynamic clutches and transmissions, and heating oil pumps.



PART NUMBERS

MOS - 8 X 22 X 6BABSL

Type of Seal | Inside Diameter | Outside Diameter | Height

BABSL = Nitrile
BABSLV = Fluorocarbon

SEAL INFORMATION	
MATERIAL	NITRILE OR FLUOROCARBON
TEMPERATURE RANGE	NBR = -40° TO +212° F FKM = -67° TO +320° F
PRESSURE RANGE	AVERAGE 50 PSI UP TO 100 PSI

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MOS-8X22X6BABSL	8	22	6
MOS-10X22X6BABSL	10	22	6
MOS-12X22X6BABSL	12	22	6
MOS-12X24X6BABSL	12	24	6
MOS-15X35X6BABSL	15	35	6
MOS-18X30X6BABSL	18	30	6
MOS-18X35X6BABSL	18	35	6
MOS-20X35X6BABSL	20	35	6
MOS-22X32X6BABSL	22	32	6
MOS-22X35X6BABSL	22	35	6
MOS-22X35X6BABSLV	22	35	6
MOS-25X35X6BABSL	25	35	6
MOS-25X35X6BABSLV	25	35	6
MOS-25X47X6BABSL	25	47	6
MOS-28X40X6BABSL	28	40	6
MOS-28X40X6BABSLV	28	40	6
MOS-30X42X6BABSL	30	42	6
MOS-30X42X6BABSLV	30	42	6
MOS-35X52X6BABSL	35	52	6
MOS-35X52X6BABSLV	35	52	6
MOS-40X62X6BABSL	40	62	6
MOS-45X62X7BABSL	45	62	7
MOS-45X62X7BABSLV	45	62	7
MOS-45X65X7BABSL	45	65	7
MOS-45X65X7BABSLV	45	65	7
MOS-50X72X7BABSL	50	72	7
MOS-60X80X7BABSL	60	80	7
MOS-60X80X7BABSLV	60	80	7
MOS-65X90X7BABSL	65	90	7
MOS-70X90X7BABSL	70	90	7
MOS-70X90X7BABSLV	70	90	7
MOS-80X100X7BABSL	80	100	7
MOS-85X105X7.5BABSL	85	105	7.5
MOS-90X110X7.5BABSL	90	110	7.5
MOS-100X120X7.5BABSL	100	120	7.5



O-RING SIZE CHART FOR METRIC SEALS

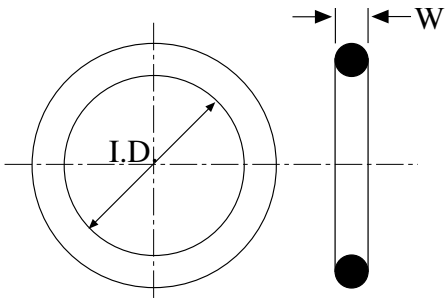
JIS B 2401	WIDTH	I.D.
P - 3		2.8 ±0.14
P - 4		3.8 ±0.14
P - 5		4.8 ±0.15
P - 6	1.9 ±0.08	5.8 ±0.15
P - 7		6.8 ±0.16
P - 8		7.8 ±0.16
P - 9		8.8 ±0.17
P - 10		9.8 ±0.17
P - 10A		9.8 ±0.17
P - 11		10.8 ±0.18
P - 11.2		11 ±0.18
P - 12		11.8 ±0.19
P - 12.5		12.3 ±0.19
P - 14	2.4 ±0.09	13.8 ±0.19
P - 15		14.8 ±0.20
P - 16		15.8 ±0.20
P - 18		17.8 ±0.21
P - 20		19.8 ±0.22
P - 21		20.8 ±0.23
P - 22		21.8 ±0.24
P - 22A		21.7 ±0.24
P - 22.4		22.1 ±0.24
P - 24		23.7 ±0.24
P - 25		24.7 ±0.25
P - 25.5		25.2 ±0.25
P - 26		25.7 ±0.26
P - 28		27.7 ±0.28
P - 29		28.7 ±0.29
P - 29.5		29.2 ±0.29
P - 30		29.7 ±0.29
P - 31		30.7 ±0.30
P - 31.5		31.2 ±0.31
P - 32		31.7 ±0.31
P - 34	3.5 ±0.10	33.7 ±0.33
P - 35		34.7 ±0.34
P - 35.5		35.2 ±0.34
P - 36		35.7 ±0.34
P - 38		37.7 ±0.37
P - 39		38.7 ±0.37
P - 40		39.7 ±0.37
P - 41		40.7 ±0.38
P - 42		41.7 ±0.39
P - 44		43.7 ±0.41
P - 45		44.7 ±0.41
P - 46		45.7 ±0.42
P - 48		47.7 ±0.44
P - 49		48.7 ±0.45
P - 50		49.7 ±0.45
P - 48A		47.6 ±0.45
P - 50A		49.6 ±0.45
P - 52		51.6 ±0.47
P - 53		52.6 ±0.48
P - 55		54.6 ±0.49
P - 56		55.6 ±0.50
P - 58	5.7 ±0.13	57.6 ±0.52
P - 60		59.6 ±0.53
P - 62		61.6 ±0.55
P - 63		62.6 ±0.56
P - 65		64.6 ±0.57
P - 67		66.6 ±0.59
P - 70		69.6 ±0.61

JIS B 2401	WIDTH	I.D.
P - 71		70.6 ±0.62
P - 75		74.6 ±0.65
P - 80		79.6 ±0.69
P - 85		84.6 ±0.73
P - 90		89.6 ±0.77
P - 95		94.6 ±0.81
P - 100		99.6 ±0.84
P - 102		101.6 ±0.85
P - 105		104.6 ±0.87
P - 110	5.7 ±0.13	109.6 ±0.91
P - 112		111.6 ±0.92
P - 115		114.6 ±0.94
P - 120		119.6 ±0.98
P - 125		124.6 ±1.01
P - 130		129.6 ±1.05
P - 132		131.6 ±1.06
P - 135		134.6 ±1.09
P - 140		139.6 ±1.12
P - 145		144.6 ±1.16
P - 150		149.6 ±1.19
P - 150A		149.5 ±1.19
P - 155		154.5 ±1.23
P - 160		159.5 ±1.26
P - 165		164.5 ±1.30
P - 170		169.5 ±1.33
P - 175		174.5 ±1.37
P - 180		179.5 ±1.40
P - 185		184.5 ±1.44
P - 190		189.5 ±1.48
P - 195		194.5 ±1.51
P - 200		199.5 ±1.55
P - 205		204.5 ±1.58
P - 209		208.5 ±1.61
P - 210		209.5 ±1.62
P - 215		214.5 ±1.65
P - 220		219.5 ±1.68
P - 225		224.5 ±1.71
P - 230		229.5 ±1.75
P - 235		234.5 ±1.78
P - 240		239.5 ±1.81
P - 245	8.4 ±0.15	244.5 ±1.84
P - 250		249.5 ±1.88
P - 255		254.5 ±1.91
P - 260		259.5 ±1.94
P - 265		264.5 ±1.97
P - 270		269.5 ±2.01
P - 275		274.5 ±2.04
P - 280		279.5 ±2.07
P - 285		284.5 ±2.10
P - 290		289.5 ±2.14
P - 295		294.5 ±2.17
P - 300		299.5 ±2.20
P - 315		314.5 ±2.30
P - 320		319.5 ±2.33
P - 335		334.5 ±2.42
P - 340		339.5 ±2.45
P - 355		354.5 ±2.54
P - 360		359.5 ±2.57
P - 375		374.5 ±2.67
P - 385		384.5 ±2.73
P - 400		399.5 ±2.82

JIS B 2401	WIDTH	I.D.
G - 25		24.4 ±0.25
G - 30		29.4 ±0.29
G - 35		34.4 ±0.33
G - 40		39.4 ±0.37
G - 45		44.4 ±0.41
G - 50		49.4 ±0.45
G - 55		54.4 ±0.49
G - 60		59.4 ±0.53
G - 65		64.4 ±0.57
G - 70		69.4 ±0.61
G - 75		74.4 ±0.65
G - 80		79.4 ±0.69
G - 85	3.1 ±0.10	84.4 ±0.73
G - 90		89.4 ±0.77
G - 95		94.4 ±0.81
G - 100		99.4 ±0.85
G - 105		104.4 ±0.87
G - 110		109.4 ±0.91
G - 115		114.4 ±0.94
G - 120		119.4 ±0.98
G - 125		124.4 ±1.01
G - 130		129.4 ±1.05
G - 135		134.4 ±1.08
G - 140		139.4 ±1.12
G - 145		144.4 ±1.16
G - 150		149.3 ±1.19
G - 155		154.3 ±1.23
G - 160		159.3 ±1.26
G - 165		164.3 ±1.30
G - 170		169.3 ±1.33
G - 175		174.3 ±1.37
G - 180		179.3 ±1.40
G - 185		184.3 ±1.44
G - 190		189.3 ±1.47
G - 195		194.3 ±1.51
G - 200		199.3 ±1.55
G - 205		204.3 ±1.58
G - 210		209.3 ±1.61
G - 215		214.3 ±1.64
G - 220		219.3 ±1.68
G - 225		224.3 ±1.71
G - 230		229.3 ±1.73
G - 235		234.3 ±1.77
G - 240	5.7 ±0.13	239.3 ±1.81
G - 245		244.3 ±1.84
G - 250		249.3 ±1.88
G - 255		254.3 ±1.91
G - 260		259.3 ±1.94
G - 265		264.3 ±1.97
G - 270		269.3 ±2.01
G - 275		274.3 ±2.04
G - 280		279.3 ±2.07
G - 285		284.3 ±2.10
G - 290		289.3 ±2.14
G - 295		294.3 ±2.17
G - 300		299.3 ±2.20
G - 305		304.3 ±2.24
G - 310		309.3 ±2.27
G - 315		314.3 ±2.30
G - 320		319.3 ±2.33
G - 325		324.3 ±2.36
G - 330		329.3 ±2.39

O-RING SIZE CHART FOR METRIC SEALS

JIS B 2401	WIDTH	I.D.
G - 335	5.7 ±0.13	334.3 ±2.42
G - 340		339.3 ±2.45
G - 345		344.3 ±2.48
G - 350		349.3 ±2.51
G - 355		354.3 ±2.54
G - 360		359.3 ±2.57
G - 365		364.3 ±2.60
G - 370		369.3 ±2.63
G - 375		374.3 ±2.67
G - 380		379.3 ±2.70
G - 385		384.3 ±2.73
G - 390		389.3 ±2.76
G - 395		394.3 ±2.79
G - 400		399.3 ±2.82
V - 15	4 ±0.10	14.5 ±0.20
V - 24		23.5 ±0.24
V - 34		33.5 ±0.33
V - 40		39.5 ±0.37
V - 55		54.5 ±0.49
V - 70		69 ±0.61
V - 85		84 ±0.72
V - 100		99 ±0.83
V - 120		119 ±0.97
V - 150		148.5 ±1.18
V - 175		173 ±1.36
V - 225	6 ±0.15	222.5 ±1.70
V - 275		272 ±2.02
V - 325		321.5 ±2.34
V - 380		376 ±2.68
V - 430		425.5 ±2.99
V - 480	10 ±0.30	475 ±3.30
V - 530		524.5 ±3.60
V - 585		579 ±3.92
V - 640		633.5 ±4.24
V - 690		683 ±4.54
V - 740		732.5 ±4.83
V - 790		782 ±5.12
V - 845		836.5 ±5.44
V - 950		940.5 ±6.06
V - 1055		1044 ±6.67

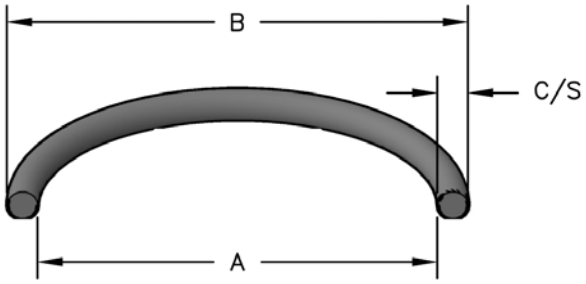


SM - O RINGS	WIDTH	I.D.
SM - 3	1.5 ±0.10	2.5 ±0.15
SM - 4		3.5 ±0.15
SM - 5		4.5 ±0.15
SM - 6		5.5 ±0.15
SM - 7		6.5 ±0.15
SM - 8		7.5 ±0.15
SM - 9		8.5 ±0.15
SM - 10		9.5 ±0.15
SM - 11.2		10.7 ±0.15
SM - 12		11.5 ±0.15
SM - 12.5		12 ±0.15
SM - 14		13.5 ±0.15
SM - 15		14.5 ±0.15
SM - 16		15.5 ±0.15
SM - 18		17.5 ±0.15
SM - 20		19.5 ±0.15
SM - 22		21.5 ±0.15
SM - 22.4	2.0 ±0.10	21.9 ±0.15
SM - 24		23.5 ±0.15
SM - 25		24.5 ±0.15
SM - 26		25.5 ±0.15
SM - 28		27.5 ±0.15
SM - 29		28.5 ±0.15
SM - 30		29.5 ±0.15
SM - 31.5		31 ±0.15
SM - 32		31.5 ±0.15
SM - 34		33.5 ±0.15
SM - 35		34.5 ±0.15
SM - 35.5		35 ±0.15
SM - 36		35.5 ±0.15
SM - 38		37.5 ±0.15
SM - 39		38.5 ±0.15
SM - 40		39.5 ±0.15
SM - 42		41.5 ±0.25
SM - 44		43.5 ±0.25
SM - 45		44.5 ±0.25
SM - 46		45.5 ±0.25
SM - 48		47.5 ±0.25
SM - 50		49.5 ±0.25
SM - 53		52.5 ±0.25
SM - 55		54.5 ±0.25
SM - 56		55.5 ±0.25
SM - 60		59.5 ±0.25
SM - 63		62.5 ±0.25
SM - 65		64.5 ±0.25
SM - 67		66.5 ±0.25
SM - 70		69.5 ±0.25
SM - 71		70.5 ±0.4
SM - 75		74.5 ±0.4
SM - 80		79.5 ±0.4
SM - 85		84.5 ±0.4
SM - 90		89.5 ±0.4
SM - 95		94.5 ±0.4
SM - 100		99.5 ±0.4
SM - 105		104.5 ±0.4
SM - 110		109.5 ±0.4
SM - 112		111.5 ±0.4
SM - 115		114.5 ±0.4
SM - 120		119.5 ±0.4
SM - 125		124.5 ±0.4
SM - 130		129.5 ±0.6
SM - 132		131.5 ±0.6

SM - O RINGS	WIDTH	I.D.
SM - 135	2.25 ±0.08	134.5 ±0.6
SM - 140		139.5 ±0.6
SM - 145		144.5 ±0.6
SM - 150		149.5 ±0.6

KS-O RINGS	WIDTH	I.D.
KS - 1	1.7 ±0.08	2.75 ±0.13
KS - 2		3.75 ±0.13
KS - 3		4.75 ±0.13
KS - 4		5.75 ±0.13
KS - 5		6.75 ±0.13
KS - 6		7.75 ±0.13
KS - 7		8.75 ±0.13
KS - 8		9.75 ±0.13
KS - 9	2.25 ±0.08	9.7 ±0.13
KS - 10		11.7 ±0.13
KS - 11		13.7 ±0.13
KS - 12		15.7 ±0.13
KS - 13		17.7 ±0.13
KS - 14		19.7 ±0.13
KS - 15	3.3 ±0.10	19.6 ±0.15
KS - 16		21.6 ±0.15
KS - 17		23.6 ±0.15
KS - 18		24.6 ±0.15
KS - 19		25.6 ±0.15
KS - 20		27.6 ±0.15
KS - 21		29.6 ±0.15
KS - 22		31.6 ±0.15
KS - 23		33.6 ±0.15
KS - 24		35.6 ±0.15
KS - 25		37.6 ±0.15
KS - 26		39.6 ±0.15

O-RINGS - 70 DURO NITRILE



NOTE: H = HNBR Material

PART NUMBERS

MOR - 3 X 1

Type of Seal | Inside Diameter | Cross Section

SEAL INFORMATION	
MATERIAL	70A DURO NITRILE
TEMPERATURE RANGE	-40° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1mm C/S			
MOR-3X1	3	5	100
MOR-4X1	4	6	100
MOR-5X1	5	7	100
MOR-6X1	6	8	100
MOR-6.5X1	6.5	8.5	100
MOR-8X1	8	10	100
MOR-15X1	15	17	100
MOR-16X1	16	18	100
MOR-19X1	19	21	100
MOR-21X1	21	23	100
1.2mm C/S			
MOR-85.3X1.2	85.3	87.7	1
1.5mm C/S			
MOR-2.5X1.5	2.5	5.5	100
MOR-3X1.5	3	6	100
MOR-3.5X1.5	3.5	6.5	100
MOR-4X1.5	4	7	100
MOR-5X1.5	5	8	100
MOR-5.5X1.5	5.5	8.5	1
MOR-6X1.5	6	9	100
MOR-7X1.5	7	10	100
MOR-8X1.5	8	11	100
MOR-8.5X1.5	8.5	11.5	100
MOR-9X1.5	9	12	100
MOR-10X1.5	10	13	100
MOR-11X1.5	11	14	100
MOR-12X1.5	12	15	100
MOR-13X1.5	13	16	100
MOR-14X1.5	14	17	100
MOR-15X1.5	15	18	100
MOR-16X1.5	16	19	100
MOR-17X1.5	17	20	100
MOR-17.5X1.5	17.5	20.5	100
MOR-18X1.5	18	21	100
MOR-19X1.5	19	22	100
MOR-20X1.5	20	23	100
MOR-22X1.5	22	25	100
MOR-23X1.5	23	26	100
MOR-25X1.5	25	28	100
MOR-26X1.5	26	29	100
MOR-27X1.5	27	30	100
MOR-28X1.5	28	31	100

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-30X1.5	30	33	50
MOR-32X1.5	32	35	50
MOR-35X1.5	35	38	50
MOR-36X1.5	36	39	50
MOR-41X1.5	41	44	50
MOR-42X1.5	42	45	25
MOR-43X1.5	43	46	25
MOR-45X1.5	45	48	25
MOR-46X1.5	46	49	25
MOR-47X1.5	47	50	25
MOR-53X1.5	53	56	20
MOR-57X1.5	57	60	20
MOR-65X1.5	65	68	20
MOR-72X1.5	72	75	20
1.6mm C/S			
MOR-2.2X1.6	2.2	5.4	100
MOR-3.1X1.6	3.1	6.3	100
MOR-4.1X1.6	4.1	7.3	100
MOR-5.1X1.6	5.1	8.3	100
MOR-6.1X1.6	6.1	9.3	100
MOR-7.1X1.6	7.1	10.3	25
MOR-8.1X1.6	8.1	11.3	25
MOR-9.1X1.6	9.1	12.3	25
MOR-10.1X1.6	10.1	13.3	25
MOR-11.1X1.6	11.1	14.3	20
MOR-12.1X1.6	12.1	15.3	20
MOR-13.1X1.6	13.1	16.3	20
MOR-14.1X1.6	14.1	17.3	20
MOR-15.1X1.6	15.1	18.3	20
MOR-16.1X1.6	16.1	19.3	20
MOR-17.1X1.6	17.1	20.3	20
MOR-18.1X1.6	18.1	21.3	20
MOR-19.1X1.6	19.1	22.3	20
MOR-22.1X1.6	22.1	25.3	5
MOR-25.1X1.6	25.1	28.3	5
MOR-27.1X1.6	27.1	30.3	5
MOR-29.1X1.6	29.1	32.3	5
MOR-32.1X1.6	32.1	35.3	2
MOR-35.1X1.6	35.1	38.3	2
MOR-37.1X1.6	37.1	40.3	2
1.78mm C/S			
MOR-104.4X1.78	104.4	107.96	1
1.8mm C/S			

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-6.3X1.8	6.3	9.9	50
MOR-7.5X1.8	7.5	11.1	50
MOR-9.5X1.8	9.5	13.1	50
MOR-10.6X1.8	10.6	14.2	50
MOR-12.5X1.8	12.5	16.1	25
MOR-78X1.8	78	81.6	5
MOR-92.4X1.8	92.4	96	5
1.9mm C/S			
MOR-2.8X1.9	2.8	6.6	100
MOR-3.8X1.9	3.8	7.6	100
MOR-4.8X1.9	4.8	8.6	100
MOR-5.8X1.9	5.8	9.6	100
MOR-6.8X1.9	6.8	10.6	100
MOR-7.8X1.9	7.8	11.6	100
MOR-8.8X1.9	8.8	12.6	100
MOR-9.8X1.9	9.8	13.6	100
MOR-15.8X1.9	15.8	19.6	100
2mm C/S			
MOR-3X2	3	7	100
MOR-4X2	4	8	100
MOR-5X2	5	9	100
MOR-6X2	6	10	100
MOR-7X2	7	11	100
MOR-8X2	8	12	100
MOR-9X2	9	13	100
MOR-10X2	10	14	100
MOR-11X2	11	15	100
MOR-12X2	12	16	100
MOR-12.5X2	12.5	16.5	100
MOR-13X2	13	17	100
MOR-14X2	14	18	100
MOR-15X2	15	19	100
MOR-16X2	16	20	100
MOR-16.5X2	16.5	20.5	100
MOR-17X2	17	21	100
MOR-18X2	18	22	100
MOR-19X2	19	23	100
MOR-20X2	20	24	50
MOR-21X2	21	25	50
MOR-22X2	22	26	50
MOR-23X2	23	27	50
MOR-23.5X2	23.5	27.5	50
MOR-24X2	24	28	50
MOR-24.5X2	24.5	28.5	50
MOR-26X2	26	30	50
MOR-27X2	27	31	50
MOR-28X2	28	32	50
MOR-28.5X2	28.5	32.5	25
MOR-30X2	30	34	25
MOR-31X2	31	35	25
MOR-34X2	34	38	25
MOR-35X2	35	39	25
MOR-35.5X2	35.5	39.5	25
MOR-36X2	36	40	25
MOR-37X2	37	41	25
MOR-37.5X2	37.5	41.5	25
MOR-39X2	39	43	20

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-39.5X2	39.5	43.5	20
MOR-42X2	42	46	20
MOR-43X2	43	47	20
MOR-44X2	44	48	20
MOR-45X2	45	49	20
MOR-46X2	46	50	20
MOR-48X2	48	52	20
MOR-50X2	50	54	20
MOR-52X2	52	56	20
MOR-53X2	53	57	20
MOR-55X2	55	59	20
MOR-56X2	56	60	20
MOR-57X2	57	61	20
MOR-58X2	58	62	20
MOR-63X2	63	67	20
MOR-64.5X2	64.5	68.5	20
MOR-66X2	66	70	10
MOR-67X2	67	71	10
MOR-68X2	68	72	10
MOR-69.5X2	69.5	73.5	10
MOR-70X2	70	74	10
MOR-72X2	72	76	10
MOR-73X2	73	77	10
MOR-74X2	74	78	10
MOR-74.5X2	74.5	78.5	10
MOR-76X2	76	80	10
MOR-77X2	77	81	10
MOR-78X2	78	82	10
MOR-79.5X2	79.5	83.5	10
MOR-80X2	80	84	10
MOR-84.5X2	84.5	88.5	10
MOR-85X2	85	89	10
MOR-86X2	86	90	10
MOR-90X2	90	94	10
MOR-93X2	93	97	10
MOR-100X2	100	104	10
MOR-114.5X2	114.5	118.5	5
MOR-125X2	125	129	5
MOR-266.9X2	266.9	270.9	1
2.4mm C/S			
MOR-3.3X2.4	3.3	8.1	100
MOR-3.6X2.4	3.6	8.4	50
MOR-4.3X2.4	4.3	9.1	50
MOR-4.6X2.4	4.6	9.4	50
MOR-5.3X2.4	5.3	10.1	50
MOR-5.6X2.4	5.6	10.4	50
MOR-6.3X2.4	6.3	11.1	50
MOR-6.6X2.4	6.6	11.4	25
MOR-7.3X2.4	7.3	12.1	25
MOR-7.6X2.4	7.6	12.4	25
MOR-8.3X2.4	8.3	13.1	25
MOR-8.6X2.4	8.6	13.4	25
MOR-9.3X2.4	9.3	14.1	20
MOR-9.6X2.4	9.6	14.4	20
MOR-9.8X2.4	9.8	14.6	100
MOR-10.3X2.4	10.3	15.1	20
MOR-10.6X2.4	10.6	15.4	20



O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-10.8X2.4	10.8	15.6	100
MOR-11X2.4	11	15.8	100
MOR-11.3X2.4	11.3	16.1	20
MOR-11.6X2.4	11.6	16.4	20
MOR-11.6X2.4-90D	11.6	16.4	20
MOR-11.8X2.4	11.8	16.6	100
MOR-12.3X2.4	12.3	17.1	20
MOR-12.6X2.4	12.6	17.4	20
MOR-12.8X2.4	12.8	17.6	100
MOR-13.3X2.4	13.3	18.1	20
MOR-13.6X2.4	13.6	18.4	100
MOR-13.8X2.4	13.8	18.6	100
MOR-14.3X2.4	14.3	19.1	10
MOR-14.8X2.4	14.8	19.6	100
MOR-15.8X2.4	15.8	20.6	100
MOR-16.3X2.4	16.3	21.1	10
MOR-16.6X2.4	16.6	21.4	20
MOR-17.3X2.4	17.3	22.1	10
MOR-17.6X2.4	17.6	22.4	1
MOR-17.8X2.4	17.8	22.6	100
MOR-18.8X2.4	18.8	23.6	100
MOR-19.6X2.4	19.6	24.4	20
MOR-19.8X2.4	19.8	24.6	100
MOR-20.8X2.4	20.8	25.6	100
MOR-21.8X2.4	21.8	26.6	100
MOR-27.3X2.4	27.3	32.1	10
MOR-27.6X2.4	27.6	32.4	10
MOR-29.6X2.4	29.6	34.4	10
MOR-31.6X2.4	31.6	36.4	10
MOR-34.6X2.4	34.6	39.4	10
MOR-37.6X2.4	37.6	42.4	10
MOR-39.6X2.4	39.6	44.4	10
MOR-44.6X2.4	44.6	49.4	10
MOR-47.6X2.4	47.6	52.4	5
MOR-49.6X2.4	49.6	54.4	5
MOR-51.6X2.4	51.6	56.4	5
MOR-52.8X2.4	52.8	57.6	10
MOR-54.6X2.4	54.6	59.4	5
MOR-55.5X2.4	55.5	60.3	5
MOR-57.6X2.4	57.6	62.4	5
MOR-59.6X2.4	59.6	64.4	5
MOR-59.7X2.4	59.7	64.5	5
MOR-61.6X2.4	61.6	66.4	5
MOR-64.6X2.4	64.6	69.4	5
MOR-67.6X2.4	67.6	72.4	5
MOR-69.6X2.4	69.6	74.4	5
MOR-98.3X2.4	98.3	103.1	1
MOR-125.3X2.4	125.3	130.1	5
2.5mm C/S			
MOR-4X2.5	4	9	100
MOR-5X2.5	5	10	100
MOR-6X2.5	6	11	100
MOR-7X2.5	7	12	100
MOR-8X2.5	8	13	100
MOR-9X2.5	9	14	100
MOR-10X2.5	10	15	100
MOR-11X2.5	11	16	100

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-12X2.5	12	17	100
MOR-13X2.5	13	18	100
MOR-14X2.5	14	19	100
MOR-15X2.5	15	20	100
MOR-16X2.5	16	21	100
MOR-17X2.5	17	22	100
MOR-18X2.5	18	23	100
MOR-19X2.5	19	24	50
MOR-20X2.5	20	25	50
MOR-21X2.5	21	26	50
MOR-22X2.5	22	27	50
MOR-23X2.5	23	28	50
MOR-24X2.5	24	29	50
MOR-25X2.5	25	30	50
MOR-26X2.5	26	31	50
MOR-27X2.5	27	32	50
MOR-28X2.5	28	33	50
MOR-29X2.5	29	34	50
MOR-30X2.5	30	35	50
MOR-31X2.5	31	36	50
MOR-32X2.5	32	37	50
MOR-35X2.5	35	40	25
MOR-36X2.5	36	41	25
MOR-37X2.5	37	42	25
MOR-37.5X2.5	37.5	42.5	20
MOR-38X2.5	38	43	20
MOR-39X2.5	39	44	20
MOR-40X2.5	40	45	20
MOR-42X2.5	42	47	20
MOR-45X2.5	45	50	20
MOR-46X2.5	46	51	20
MOR-47X2.5	47	52	20
MOR-48X2.5	48	53	20
MOR-49X2.5	49	54	20
MOR-50X2.5	50	55	20
MOR-53X2.5	53	58	20
MOR-54X2.5	54	59	20
MOR-55X2.5	55	60	20
MOR-57X2.5	57	62	20
MOR-58X2.5	58	63	20
MOR-59X2.5	59	64	20
MOR-60X2.5	60	65	20
MOR-63X2.5	63	68	10
MOR-65X2.5	65	70	10
MOR-67X2.5	67	72	10
MOR-69X2.5	69	74	10
MOR-70X2.5	70	75	10
MOR-72X2.5	72	77	10
MOR-73X2.5	73	78	10
MOR-75X2.5	75	80	10
MOR-76X2.5	76	81	10
MOR-80X2.5	80	85	10
MOR-85X2.5	85	90	10
MOR-90X2.5	90	95	10
MOR-94X2.5	94	99	10
MOR-100X2.5	100	105	5
MOR-110X2.5	110	115	5
MOR-116X2.5	116	121	5

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-120X2.5	120	125	5
MOR-140X2.5	140	145	5
MOR-271.5X2.5	271.5	276.5	1
2.65mm C/S			
MOR-14X2.65	14	19.3	50
MOR-15X2.65	15	20.3	50
MOR-16X2.65	16	21.3	50
MOR-18X2.65	18	23.3	50
MOR-25X2.65	25	30.3	25
MOR-30X2.65	30	35.3	25
3mm C/S			
MOR-5X3	5	11	100
MOR-6X3	6	12	100
MOR-8X3	8	14	100
MOR-9X3	9	15	100
MOR-9.5X3	9.5	15.5	100
MOR-10X3	10	16	100
MOR-11X3	11	17	100
MOR-12X3	12	18	100
MOR-13X3	13	19	50
MOR-14X3	14	20	50
MOR-15X3	15	21	50
MOR-16X3	16	22	50
MOR-17X3	17	23	50
MOR-18X3	18	24	50
MOR-19X3	19	25	50
MOR-19.2X3	19.2	25.2	50
MOR-20X3	20	26	50
MOR-21X3	21	27	50
MOR-22X3	22	28	50
MOR-22.2X3	22.2	28.2	50
MOR-23X3	23	29	50
MOR-24X3	24	30	50
MOR-24.2X3	24.2	30.2	15
MOR-25X3	25	31	25
MOR-26X3	26	32	25
MOR-27X3	27	33	25
MOR-28X3	28	34	25
MOR-29X3	29	35	25
MOR-30X3	30	36	25
MOR-31X3	31	37	25
MOR-32X3	32	38	25
MOR-33X3	33	39	25
MOR-34X3	34	40	20
MOR-35X3	35	41	20
MOR-36X3	36	42	20
MOR-36.2X3	36.2	42.2	20
MOR-36.5X3	36.5	42.5	20
MOR-37.5X3	37.5	43.5	20
MOR-38X3	38	44	20
MOR-39X3	39	45	20
MOR-40X3	40	46	20
MOR-41.5X3	41.5	47.5	20
MOR-42X3	42	48	20
MOR-42.2X3	42.2	48.2	20
MOR-43X3	43	49	20
MOR-44X3	44	50	20

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-45X3	45	51	20
MOR-46X3	46	52	20
MOR-47X3	47	53	20
MOR-48X3	48	54	20
MOR-49.5X3	49.5	55.5	20
MOR-51X3	51	57	20
MOR-52X3	52	58	20
MOR-54X3	54	60	20
MOR-54.5X3	54.5	60.5	20
MOR-55X3	55	61	20
MOR-56X3	56	62	20
MOR-57X3	57	63	20
MOR-58X3	58	64	20
MOR-59X3	59	65	20
MOR-59.5X3	59.5	65.5	20
MOR-60X3	60	66	20
MOR-62X3	62	68	10
MOR-63X3	63	69	10
MOR-64X3	64	70	10
MOR-64.5X3	64.5	70.5	10
MOR-65X3	65	71	10
MOR-66X3	66	72	10
MOR-67X3	67	73	10
MOR-68X3	68	74	10
MOR-69X3	69	75	10
MOR-70X3	70	76	10
MOR-72X3	72	78	10
MOR-74X3	74	80	10
MOR-74.5X3	74.5	80.5	10
MOR-75X3	75	81	10
MOR-76X3	76	82	10
MOR-77X3	77	83	10
MOR-78X3	78	84	10
MOR-79X3	79	85	10
MOR-79.5X3	79.5	85.5	10
MOR-80X3	80	86	10
MOR-82X3	82	88	10
MOR-85X3	85	91	10
MOR-86X3	86	92	10
MOR-88X3	88	94	10
MOR-89X3	89	95	10
MOR-90X3	90	96	10
MOR-92X3	92	98	10
MOR-94X3	94	100	1
MOR-94.5X3	94.5	100.5	10
MOR-95X3	95	101	10
MOR-96X3	96	102	10
MOR-97X3	97	103	10
MOR-99X3	99	105	5
MOR-100X3	100	106	5
MOR-104X3	104	110	5
MOR-104.5X3	104.5	110.5	5
MOR-105X3	105	111	1
MOR-106X3	106	112	5
MOR-108X3	108	114	5
MOR-109.5X3	109.5	115.5	5
MOR-110X3	110	116	5
MOR-114.5X3	114.5	120.5	5

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-115X3	115	121	5
MOR-118X3	118	124	5
MOR-120X3	120	126	5
MOR-125X3	125	131	5
MOR-128X3	128	134	5
MOR-130X3	130	136	5
MOR-130X3H	130	136	1
MOR-132X3	132	138	5
MOR-135X3	135	141	5
MOR-139.5X3	139.5	145.5	5
MOR-144.5X3	144.5	150.5	1
MOR-145X3	145	151	5
MOR-149X3	149	155	5
MOR-150X3	150	156	5
MOR-155X3	155	161	5
MOR-160X3	160	166	5
MOR-170X3	170	176	5
MOR-175X3	175	181	2
MOR-180X3	180	186	2
MOR-194X3	194	200	2
MOR-205X3	205	211	2
MOR-215X3	215	221	2
MOR-220X3	220	226	2
MOR-225X3	225	231	2
MOR-240X3	240	246	2
MOR-245X3	245	251	2
MOR-260X3	260	266	1
3.1mm C/S			
MOR-24.4X3.1	24.4	30.6	25
MOR-29.4X3.1	29.4	35.6	20
MOR-32X3.1	32	38.2	20
MOR-34.4X3.1	34.4	40.6	20
MOR-39.4X3.1	39.4	45.6	20
MOR-44.4X3.1	44.4	50.6	10
MOR-49.4X3.1	49.4	55.6	10
MOR-54.4X3.1	54.4	60.6	10
MOR-57.4X3.1	57.4	63.6	10
MOR-59.4X3.1	59.4	65.6	10
MOR-64.4X3.1	64.4	70.6	10
MOR-69.4X3.1	69.4	75.6	10
MOR-74.4X3.1	74.4	80.6	5
MOR-79.4X3.1	79.4	85.6	5
MOR-84.4X3.1	84.4	90.6	5
MOR-89.4X3.1	89.4	95.6	5
MOR-94.4X3.1	94.4	100.6	5
MOR-99.4X3.1	99.4	105.6	5
MOR-104.4X3.1	104.4	110.6	5
MOR-109.4X3.1	109.4	115.6	5
MOR-114.4X3.1	114.4	120.6	5
MOR-119.4X3.1	119.4	125.6	5
MOR-124.4X3.1	124.4	130.6	5
MOR-129.4X3.1	129.4	135.6	5
MOR-134.4X3.1	134.4	140.6	2
MOR-139.4X3.1	139.4	145.6	2
MOR-144.4X3.1	144.4	150.6	2
MOR-149.4X3.1	149.4	155.6	2
3.3mm C/S			
MOR-16.6X3.3	16.6	23.2	5
3.5mm C/S			
MOR-14X3.5	14	21	50
MOR-15X3.5	15	22	50
MOR-16X3.5	16	23	50
MOR-20X3.5	20	27	50
MOR-21X3.5	21	28	50
MOR-21.7X3.5	21.7	28.7	25
MOR-22X3.5	22	29	25
MOR-22.1X3.5	22.1	29.1	25
MOR-23.7X3.5	23.7	30.7	25
MOR-24.7X3.5	24.7	31.7	25
MOR-25X3.5	25	32	25
MOR-25.2X3.5	25.2	32.2	25
MOR-25.7X3.5	25.7	32.7	25
MOR-27.7X3.5	27.7	34.7	20
MOR-28.7X3.5	28.7	35.7	20
MOR-29.2X3.5	29.2	36.2	20
MOR-29.7X3.5	29.7	36.7	20
MOR-30X3.5	30	37	20
MOR-30.7X3.5	30.7	37.7	20
MOR-31.2X3.5	31.2	38.2	20
MOR-31.7X3.5	31.7	38.7	20
MOR-33.7X3.5	33.7	40.7	20
MOR-34.7X3.5	34.7	41.7	20
MOR-35.2X3.5	35.2	42.2	20
MOR-35.7X3.5	35.7	42.7	20
MOR-37X3.5	37	44	20
MOR-37.7X3.5	37.7	44.7	20
MOR-38X3.5	38	45	20
MOR-38.7X3.5	38.7	45.7	20
MOR-39.7X3.5	39.7	46.7	20
MOR-40.7X3.5	40.7	47.7	20
MOR-41.7X3.5	41.7	48.7	20
MOR-42X3.5	42	49	20
MOR-43.7X3.5	43.7	50.7	10
MOR-44.7X3.5	44.7	51.7	10
MOR-45.7X3.5	45.7	52.7	10
MOR-47.7X3.5	47.7	54.7	10
MOR-48.7X3.5	48.7	55.7	10
MOR-49.7X3.5	49.7	56.7	10
MOR-50X3.5	50	57	10
MOR-52X3.5	52	59	10
MOR-56X3.5	56	63	10
MOR-58X3.5	58	65	10
MOR-60X3.5	60	67	10
MOR-63X3.5	63	70	10
MOR-65X3.5	65	72	10
MOR-69X3.5	69	76	10
MOR-71X3.5	71	78	10
MOR-73X3.5	73	80	10
MOR-75X3.5	75	82	1
MOR-86X3.5	86	93	5
MOR-87X3.5	87	94	5
MOR-105X3.5	105	112	5
MOR-112X3.5	112	119	5
MOR-118X3.5	118	125	5

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-120X3.5	120	127	5
MOR-132X3.5	132	139	5
MOR-145X3.5	145	152	5
MOR-170X3.5	170	177	2
MOR-175X3.5	175	182	2
MOR-180X3.5	180	187	2
MOR-200X3.5	200	207	2
MOR-202X3.5	202	209	2
MOR-210X3.5	210	217	2
3.55mm C/S			
MOR-42.5X3.55	42.5	49.6	5
4mm C/S			
MOR-9X4	9	17	50
MOR-11X4	11	19	50
MOR-12X4	12	20	50
MOR-14X4	14	22	50
MOR-15X4	15	23	50
MOR-16X4	16	24	50
MOR-17X4	17	25	50
MOR-19X4	19	27	50
MOR-20X4	20	28	50
MOR-21X4	21	29	50
MOR-22X4	22	30	25
MOR-23X4	23	31	25
MOR-23.5X4	23.5	31.5	25
MOR-24X4	24	32	25
MOR-25X4	25	33	25
MOR-27X4	27	35	25
MOR-28X4	28	36	25
MOR-30X4	30	38	20
MOR-31X4	31	39	20
MOR-32X4	32	40	20
MOR-33X4	33	41	20
MOR-34X4	34	42	20
MOR-35X4	35	43	20
MOR-37X4	37	45	20
MOR-38X4	38	46	20
MOR-40X4	40	48	20
MOR-41X4	41	49	20
MOR-42X4	42	50	20
MOR-44X4	44	52	20
MOR-45X4	45	53	20
MOR-47X4	47	55	10
MOR-48X4	48	56	10
MOR-50X4	50	58	10
MOR-52X4	52	60	10
MOR-54X4	54	62	10
MOR-55X4	55	63	10
MOR-56X4	56	64	10
MOR-57X4	57	65	10
MOR-58X4	58	66	10
MOR-60X4	60	68	10
MOR-62X4	62	70	10
MOR-64X4	64	72	10
MOR-65X4	65	73	10
MOR-66X4	66	74	10
MOR-67X4	67	75	10

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-68X4	68	76	10
MOR-70X4	70	78	10
MOR-72X4	72	80	10
MOR-75X4	75	83	10
MOR-76X4	76	84	5
MOR-78X4	78	86	5
MOR-80X4	80	88	5
MOR-82X4	82	90	5
MOR-84X4	84	92	5
MOR-85X4	85	93	5
MOR-86X4	86	94	5
MOR-89X4	89	97	5
MOR-90X4	90	98	5
MOR-92X4	92	100	5
MOR-95X4	95	103	5
MOR-96X4	96	104	5
MOR-98X4	98	106	5
MOR-100X4	100	108	5
MOR-102X4	102	110	5
MOR-104X4	104	112	5
MOR-105X4	105	113	5
MOR-108X4	108	116	5
MOR-110X4	110	118	5
MOR-112X4	112	120	5
MOR-114X4	114	122	5
MOR-115X4	115	123	5
MOR-116X4	116	124	5
MOR-117X4	117	125	5
MOR-118X4	118	126	5
MOR-119X4	119	127	5
MOR-120X4	120	128	5
MOR-124X4	124	132	5
MOR-126X4	126	134	5
MOR-127X4	127	135	5
MOR-128X4	128	136	5
MOR-129X4	129	137	5
MOR-130X4	130	138	5
MOR-132X4	132	140	5
MOR-133X4	133	141	5
MOR-134X4	134	142	5
MOR-136X4	136	144	5
MOR-137X4	137	145	5
MOR-140X4	140	148	5
MOR-142X4	142	150	5
MOR-146X4	146	154	5
MOR-150X4	150	158	5
MOR-155X4	155	163	5
MOR-160X4	160	168	5
MOR-164X4	164	172	5
MOR-170X4	170	178	5
MOR-172X4	172	180	5
MOR-177X4	177	185	5
MOR-180X4	180	188	5
MOR-200X4	200	208	5
MOR-240X4	240	248	2
MOR-250X4	250	258	2
MOR-265X4	265	273	2
MOR-270X4	270	278	2

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-285X4	285	293	1
MOR-287X4	287	295	1
MOR-438X4	438	446	1
5mm C/S			
MOR-15X5	15	25	25
MOR-16X5	16	26	25
MOR-18X5	18	28	1
MOR-19X5	19	29	25
MOR-20X5	20	30	20
MOR-21X5	21	31	20
MOR-22X5	22	32	20
MOR-24X5	24	34	20
MOR-27X5	27	37	20
MOR-28X5	28	38	20
MOR-30X5	30	40	20
MOR-32X5	32	42	20
MOR-35X5	35	45	20
MOR-40X5	40	50	10
MOR-42X5	42	52	10
MOR-44X5	44	54	10
MOR-45X5	45	55	10
MOR-50X5	50	60	10
MOR-52X5	52	62	10
MOR-55X5	55	65	10
MOR-58X5	58	68	10
MOR-60X5	60	70	10
MOR-65X5	65	75	10
MOR-68X5	68	78	10
MOR-70X5	70	80	10
MOR-73X5	73	83	5
MOR-75X5	75	85	5
MOR-78X5	78	88	5
MOR-80X5	80	90	5
MOR-82X5	82	92	5
MOR-85X5	85	95	5
MOR-90X5	90	100	5
MOR-92X5	92	102	5
MOR-95X5	95	105	5
MOR-97X5	97	107	5
MOR-100X5	100	110	5
MOR-105X5	105	115	5
MOR-107X5	107	117	5
MOR-108X5	108	118	5
MOR-110X5	110	120	5
MOR-112X5	112	122	5
MOR-118X5	118	128	5
MOR-120X5	120	130	5
MOR-121X5	121	131	5
MOR-122X5	122	132	5
MOR-125X5	125	135	5
MOR-130X5	130	140	5
MOR-138X5	138	148	5
MOR-140X5	140	150	5
MOR-150X5	150	160	5
MOR-155X5	155	165	2
MOR-158X5	158	168	2
MOR-160X5	160	170	2

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-165X5	165	175	2
MOR-173X5	173	183	2
MOR-175X5	175	185	2
MOR-180X5	180	190	2
MOR-195X5	195	205	2
MOR-200X5	200	210	2
MOR-205X5	205	215	2
MOR-220X5	220	230	2
MOR-225X5	225	235	2
MOR-235X5	235	245	1
MOR-240X5	240	250	1
MOR-245X5	245	255	1
MOR-250X5	250	260	1
MOR-255X5	255	265	1
MOR-265X5	265	275	1
MOR-275X5	275	285	1
MOR-290X5	290	300	1
MOR-300X5	300	310	1
MOR-330X5	330	340	1
MOR-345X5	345	355	1
MOR-395X5	395	405	1
5.25mm C/S			
MOR-182X5.25	182	192.5	1
5.3mm C/S			
MOR-40X5.3	40	50.6	10
MOR-41.3X5.3	41.3	51.9	1
MOR-45X5.3	45	55.6	10
MOR-50X5.3	50	60.6	10
MOR-58X5.3	58	68.6	10
MOR-61.3X5.3	61.3	71.9	1
MOR-150X5.3	150	160.6	2
MOR-170X5.3	170	180.6	2
5.7mm C/S			
MOR-47.6X5.7	47.6	59	5
MOR-49.6X5.7	49.6	61	5
MOR-51.6X5.7	51.6	63	5
MOR-52.6X5.7	52.6	64	5
MOR-54.6X5.7	54.6	66	5
MOR-55.6X5.7	55.6	67	5
MOR-57.6X5.7	57.6	69	5
MOR-59.2X5.7	59.2	70.6	5
MOR-59.6X5.7	59.6	71	2
MOR-61.6X5.7	61.6	73	2
MOR-62.6X5.7	62.6	74	2
MOR-64.6X5.7	64.6	76	2
MOR-66.6X5.7	66.6	78	2
MOR-69.6X5.7	69.6	81	2
MOR-70.6X5.7	70.6	82	2
MOR-74.3X5.7	74.3	85.7	5
MOR-74.6X5.7	74.6	86	2
MOR-77.2X5.7	77.2	88.6	5
MOR-79.3X5.7	79.3	90.7	5
MOR-79.6X5.7	79.6	91	2
MOR-84.3X5.7	84.3	95.7	5
MOR-84.6X5.7	84.6	96	2
MOR-89.3X5.7	89.3	100.7	5
MOR-89.6X5.7	89.6	101	2

O-RINGS - 70 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-94.3X5.7	94.3	105.7	5
MOR-94.6X5.7	94.6	106	2
MOR-99.3X5.7	99.3	110.7	5
MOR-99.6X5.7	99.6	111	2
MOR-101.6X5.7	101.6	113	2
MOR-104.3X5.7	104.3	115.7	5
MOR-104.6X5.7	104.6	116	2
MOR-109.3X5.7	109.3	120.7	5
MOR-109.6X5.7	109.6	121	2
MOR-111.6X5.7	111.6	123	2
MOR-114.3X5.7	114.3	125.7	2
MOR-114.6X5.7	114.6	126	2
MOR-119.6X5.7	119.6	131	2
MOR-124.3X5.7	124.3	135.7	2
MOR-124.6X5.7	124.6	136	2
MOR-129.3X5.7	129.3	140.7	2
MOR-129.6X5.7	129.6	141	2
MOR-131.6X5.7	131.6	143	2
MOR-134.3X5.7	134.3	145.7	2
MOR-134.6X5.7	134.6	146	2
MOR-139.6X5.7	139.6	151	2
MOR-144.3X5.7	144.3	155.7	2
MOR-144.6X5.7	144.6	156	2
MOR-149.3X5.7	149.3	160.7	2
MOR-149.6X5.7	149.6	161	2
MOR-154.3X5.7	154.3	165.7	2
MOR-159.3X5.7	159.3	170.7	2
MOR-164.3X5.7	164.3	175.7	2
MOR-169.3X5.7	169.3	180.7	2
MOR-174.3X5.7	174.3	185.7	2
MOR-179.3X5.7	179.3	190.7	2
MOR-184.3X5.7	184.3	195.7	2
MOR-189.3X5.7	189.3	200.7	2
MOR-194.3X5.7	194.3	205.7	2
MOR-199.3X5.7	199.3	210.7	2
MOR-209.3X5.7	209.3	220.7	2
MOR-214.3X5.7	214.3	225.7	2
MOR-219.3X5.7	219.3	230.7	2
MOR-224.3X5.7	224.3	235.7	1
MOR-229.3X5.7	229.3	240.7	1
MOR-234.3X5.7	234.3	245.7	1
MOR-239.3X5.7	239.3	250.7	1
MOR-249.3X5.7	249.3	260.7	1
MOR-254.3X5.7	254.3	265.7	1
MOR-259.3X5.7	259.3	270.7	1
MOR-269.3X5.7	269.3	280.7	1
MOR-279.3X5.7	279.3	290.7	1
MOR-289.3X5.7	289.3	300.7	1
MOR-299.3X5.7	299.3	310.7	1
MOR-304.3X5.7	304.3	315.7	1
MOR-309.3X5.7	309.3	320.7	1
MOR-359.3X5.7	359.3	370.7	1
MOR-399.3X5.7	399.3	410.7	1
MOR-404.3X5.7	404.3	415.7	1
MOR-424.3X5.7	424.3	435.7	1
MOR-439.3X5.7	439.3	450.7	1
MOR-444.3X5.7	444.3	455.7	1
MOR-459.3X5.7	459.3	470.7	1

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-464.3X5.7	464.3	475.7	1
MOR-469.3X5.7	469.3	480.7	1
MOR-474.3X5.7	474.3	485.7	1
MOR-489.3X5.7	489.3	500.7	1
MOR-494.3X5.7	494.3	505.7	1
MOR-499.3X5.7	499.3	510.7	1
6mm C/S			
MOR-20X6	20	32	10
MOR-25X6	25	37	10
MOR-37X6	37	49	10
MOR-46X6	46	58	10
MOR-114X6	114	126	5
MOR-160X6	160	172	2
MOR-242X6	242	254	1
MOR-335X6	335	347	1
6.99mm C/S			
MOR-297.8X6.99	297.8	311.78	1
8mm C/S			
MOR-100X8	100	116	1
MOR-180X8	180	196	1
MOR-215X8	215	231	1
MOR-280X8	280	296	1
8.4mm C/S			
MOR-144.1X8.4	144.1	160.9	1
MOR-149.5X8.4	149.5	166.3	1
MOR-154.5X8.4	154.5	171.3	1
MOR-159.5X8.4	159.5	176.3	1
MOR-164.1X8.4	164.1	180.9	1
MOR-164.5X8.4	164.5	181.3	1
MOR-169.5X8.4	169.5	186.3	1
MOR-174.5X8.4	174.5	191.3	1
MOR-179.5X8.4	179.5	196.3	1
MOR-184.5X8.4	184.5	201.3	1
MOR-189.5X8.4	189.5	206.3	1
MOR-194.5X8.4	194.5	211.3	1
MOR-199.5X8.4	199.5	216.3	1
MOR-204.5X8.4	204.5	221.3	1
MOR-208.5X8.4	208.5	225.3	1
MOR-209.5X8.4	209.5	226.3	1
MOR-214.5X8.4	214.5	231.3	1
MOR-219.5X8.4	219.5	236.3	1
MOR-224.5X8.4	224.5	241.3	1
MOR-229.5X8.4	229.5	246.3	1
MOR-234.5X8.4	234.5	251.3	1
MOR-239.5X8.4	239.5	256.3	1
MOR-244.5X8.4	244.5	261.3	1
MOR-249.5X8.4	249.5	266.3	1
MOR-259.5X8.4	259.5	276.3	1
MOR-269.5X8.4	269.5	286.3	1
MOR-279.5X8.4	279.5	296.3	1
MOR-284.5X8.4	284.5	301.3	1
MOR-289.5X8.4	289.5	306.3	1
MOR-294.5X8.4	294.5	311.3	1
MOR-299.5X8.4	299.5	316.3	1
MOR-314.5X8.4	314.5	331.3	1
MOR-319.5X8.4	319.5	336.3	1

O-RINGS - 70 DURO NITRILE

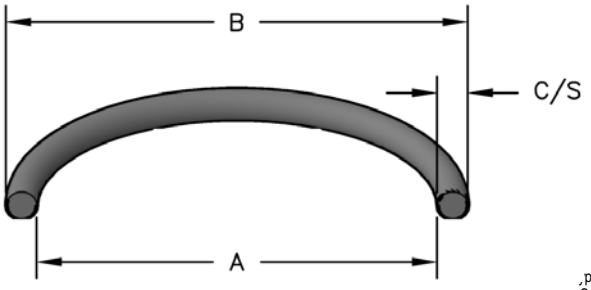
Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-339.5X8.4	339.5	356.3	1
MOR-359.5X8.4	359.5	376.3	1
MOR-384.5X8.4	384.5	401.3	1
MOR-399.5X8.4	399.5	416.3	1
10mm C/S			
MOR-78X10	78	98	1
MOR-145X10	145	165	1
12mm C/S			
MOR-130X12	130	154	1

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

O-RINGS - 90 DURO NITRILE



PART NUMBERS

MOR - 5 X 1.5 - 90D

- MOR: Type of Seal
- 5: Inside Diameter
- 1.5: Cross Section
- 90D: Suffix

SEAL INFORMATION	
MATERIAL	90A DURO NITRILE
TEMPERATURE RANGE	-40° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1.5mm C/S			
MOR-5X1.5-90D	5	8	50
MOR-13X1.5-90D	13	16	50
MOR-16X1.5-90D	16	19	50
MOR-80X1.5-90D	80	83	10
1.6mm C/S			
MOR-2.2X1.6-90D	2.2	5.4	25
MOR-3.1X1.6-90D	3.1	6.3	25
MOR-4.1X1.6-90D	4.1	7.3	25
MOR-7.1X1.6-90D	7.1	10.3	20
MOR-9.1X1.6-90D	9.1	12.3	20
MOR-10.1X1.6-90D	10.1	13.3	20
MOR-13.1X1.6-90D	13.1	16.3	20
MOR-22.1X1.6-90D	22.1	25.3	20
1.8mm C/S			
MOR-13.3X1.8-90D	13.3	16.9	2
MOR-74X1.8-90D	74	77.6	5
1.9mm C/S			
MOR-2.8X1.9-90D	2.8	6.6	100
MOR-3.8X1.9-90D	3.8	7.6	100
MOR-4.8X1.9-90D	4.8	8.6	100
MOR-5.8X1.9-90D	5.8	9.6	100
MOR-6.8X1.9-90D	6.8	10.6	50
MOR-7.8X1.9-90D	7.8	11.6	50
MOR-8.8X1.9-90D	8.8	12.6	50
MOR-9.8X1.9-90D	9.8	13.6	50
2mm C/S			
MOR-4X2-90D	4	8	100
MOR-6X2-90D	6	10	50
MOR-8X2-90D	8	12	50
MOR-9X2-90D	9	13	50
MOR-10X2-90D	10	14	50
MOR-11X2-90D	11	15	50
MOR-12X2-90D	12	16	50
MOR-14X2-90D	14	18	50
MOR-16X2-90D	16	20	50
MOR-17X2-90D	17	21	10
MOR-17.5X2-90D	17.5	21.5	2
MOR-19X2-90D	19	23	50
MOR-20X2-90D	20	24	25
MOR-28X2-90D	28	32	20
MOR-43.7X2-90D	43.7	47.7	N/A

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-13.4X2.1-90D	13.4	17.6	50
MOR-17.4X2.1-90D	17.4	21.6	20
2.4mm C/S			
MOR-4.3X2.4-90D	4.3	9.1	50
MOR-5.3X2.4-90D	5.3	10.1	50
MOR-5.6X2.4-90D	5.6	10.4	50
MOR-7.3X2.4-90D	7.3	12.1	25
MOR-7.6X2.4-90D	7.6	12.4	25
MOR-8.3X2.4-90D	8.3	13.1	20
MOR-8.6X2.4-90D	8.6	13.4	20
MOR-9.8X2.4-90D	9.8	14.6	25
MOR-10.8X2.4-90D	10.8	15.6	25
MOR-11X2.4-90D	11	15.8	25
MOR-11.8X2.4-90D	11.8	16.6	25
MOR-12.3X2.4-90D	12.3	17.1	20
MOR-12.8X2.4-90D	12.8	17.6	25
MOR-13.8X2.4-90D	13.8	18.6	20
MOR-14.3X2.4-90D	14.3	19.1	20
MOR-14.8X2.4-90D	14.8	19.6	20
MOR-15.3X2.4-90D	15.3	20.1	20
MOR-15.8X2.4-90D	15.8	20.6	20
MOR-16.3X2.4-90D	16.3	21.1	20
MOR-16.8X2.4-90D	16.8	21.6	20
MOR-17.8X2.4-90D	17.8	22.6	20
MOR-18.8X2.4-90D	18.8	23.6	20
MOR-19.8X2.4-90D	19.8	24.6	20
MOR-20.8X2.4-90D	20.8	25.6	20
MOR-21.8X2.4-90D	21.8	26.6	20
2.5mm C/S			
MOR-10X2.5-90D	10	15	50
MOR-11X2.5-90D	11	16	10
MOR-13X2.5-90D	13	18	50
MOR-14X2.5-90D	14	19	50
MOR-15X2.5-90D	15	20	25
MOR-17X2.5-90D	17	22	25
MOR-18X2.5-90D	18	23	25
MOR-19X2.5-90D	19	24	25
MOR-24X2.5-90D	24	29	20
2.6mm C/S			
MOR-14.1X2.6-90D	14.1	19.3	5
MOR-144.1X2.6-90D	144.1	149.3	4
2.65mm C/S			
MOR-14.8X2.65-90D	14.8	20.1	5

O-RINGS - 90 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
3mm C/S			
MOR-9X3-90D	9	15	50
MOR-10X3-90D	10	16	50
MOR-11X3-90D	11	17	50
MOR-17X3-90D	17	23	20
MOR-18X3-90D	18	24	10
MOR-19.2X3-90D	19.2	25.2	10
MOR-20X3-90D	20	26	10
MOR-22.2X3-90D	22.2	28.2	10
MOR-23X3-90D	23	29	10
MOR-26.2X3-90D	26.2	32.2	10
MOR-27X3-90D	27	33	10
MOR-34X3-90D	34	40	10
MOR-42.2X3-90D	42.2	48.2	5
MOR-44.2X3-90D	44.2	50.2	5
MOR-45X3-90D	45	51	5
MOR-50X3-90D	50	56	5
MOR-56X3-90D	56	62	5
MOR-57X3-90D	57	63	5
MOR-59.5X3-90D	59.5	65.5	20
MOR-60X3-90D	60	66	5
MOR-62X3-90D	62	68	5
MOR-64.5X3-90D	64.5	70.5	5
MOR-70X3-90D	70	76	5
MOR-84X3-90D	84	90	1
MOR-94X3-90D	94	100	5
MOR-94.3X3-90D	94.3	100.3	5
MOR-105X3-90D	105	111	1
MOR-135X3-90D	135	141	1
MOR-144.5X3-90D	144.5	150.5	1
3.1mm C/S			
MOR-24.4X3.1-90D	24.4	30.6	25
MOR-29.4X3.1-90D	29.4	35.6	20
MOR-34.4X3.1-90D	34.4	40.6	20
MOR-39.4X3.1-90D	39.4	45.6	20
MOR-44.4X3.1-90D	44.4	50.6	10
MOR-49.4X3.1-90D	49.4	55.6	10
MOR-54.4X3.1-90D	54.4	60.6	10
MOR-59.4X3.1-90D	59.4	65.6	5
MOR-62.4X3.1-90D	62.4	68.6	10
MOR-64.4X3.1-90D	64.4	70.6	5
MOR-69.4X3.1-90D	69.4	75.6	5
MOR-73.6X3.1-90D	73.6	79.8	5
MOR-74.4X3.1-90D	74.4	80.6	5
MOR-79.4X3.1-90D	79.4	85.6	5
MOR-84.4X3.1-90D	84.4	90.6	5
MOR-89.4X3.1-90D	89.4	95.6	5
MOR-94.4X3.1-90D	94.4	100.6	5
MOR-99.4X3.1-90D	99.4	105.6	5
MOR-104.4X3.1-90D	104.4	110.6	5
MOR-109.4X3.1-90D	109.4	115.6	5
MOR-114.4X3.1-90D	114.4	120.6	5
MOR-119.4X3.1-90D	119.4	125.6	5
MOR-123.4X3.1-90D	123.4	129.6	2
MOR-124.4X3.1-90D	124.4	130.6	5
MOR-129.4X3.1-90D	129.4	135.6	5
MOR-134.4X3.1-90D	134.4	140.6	2
MOR-139.4X3.1-90D	139.4	145.6	2
MOR-144.4X3.1-90D	144.4	150.6	2
3.4mm C/S			
MOR-20.7X3.4-90D	20.7	27.5	
3.5mm C/S			
MOR-21.7X3.5-90D	21.7	28.7	20
MOR-22.1X3.5-90D	22.1	29.1	20
MOR-23.7X3.5-90D	23.7	30.7	20
MOR-24.7X3.5-90D	24.7	31.7	20
MOR-25.2X3.5-90D	25.2	32.2	20
MOR-25.7X3.5-90D	25.7	32.7	10
MOR-27.7X3.5-90D	27.7	34.7	10
MOR-28.7X3.5-90D	28.7	35.7	10
MOR-29X3.5-90D	29	36	1
MOR-29.2X3.5-90D	29.2	36.2	20
MOR-29.7X3.5-90D	29.7	36.7	10
MOR-30.7X3.5-90D	30.7	37.7	10
MOR-31.2X3.5-90D	31.2	38.2	20
MOR-31.7X3.5-90D	31.7	38.7	10
MOR-33.7X3.5-90D	33.7	40.7	10
MOR-34.7X3.5-90D	34.7	41.7	10
MOR-35.2X3.5-90D	35.2	42.2	20
MOR-35.7X3.5-90D	35.7	42.7	10
MOR-37.7X3.5-90D	37.7	44.7	10
MOR-38.7X3.5-90D	38.7	45.7	10
MOR-39.7X3.5-90D	39.7	46.7	10
MOR-40.7X3.5-90D	40.7	47.7	10
MOR-41.7X3.5-90D	41.7	48.7	10
MOR-43X3.5-90D	43	50	5
MOR-43.7X3.5-90D	43.7	50.7	5
MOR-44.7X3.5-90D	44.7	51.7	5
MOR-45.7X3.5-90D	45.7	52.7	5
MOR-47.7X3.5-90D	47.7	54.7	5
MOR-48.7X3.5-90D	48.7	55.7	5
MOR-49X3.5-90D	49	56	10
MOR-49.7X3.5-90D	49.7	56.7	5
MOR-59X3.5-90D	59	66	5
MOR-68.5X3.5-90D	68.5	75.5	10
MOR-73X3.5-90D	73	80	5
3.53mm C/S			
MOR-65.09X3.53-90D	65.09	72.15	1
4mm C/S			
MOR-32X4-90D	32	40	20
MOR-56X4-90D	56	64	1
MOR-62X4-90D	62	70	5
MOR-72X4-90D	72	80	1
MOR-75X4-90D	75	83	10
MOR-115X4-90D	115	123	1
4.5mm C/S			
MOR-80X4.5-90D	80	89	1
5mm C/S			
MOR-75X5-90D	75	85	2
MOR-90X5-90D	90	100	1
MOR-110X5-90D	110	120	2
MOR-120X5-90D	120	130	1
MOR-130X5-90D	130	140	2

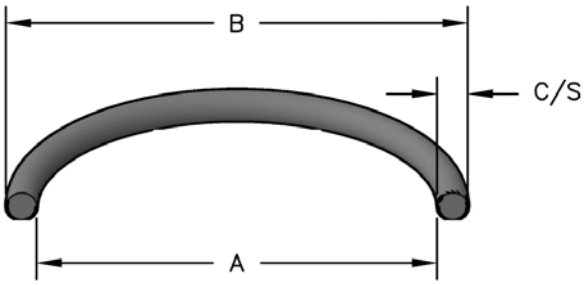
O-RINGS - 90 DURO NITRILE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-150X5-90D	150	160	1
MOR-152X5-90D	152	162	1
MOR-170X5-90D	170	180	1
MOR-190X5-90D	190	200	1
5.7mm C/S			
MOR-47.6X5.7-90D	47.6	59	5
MOR-49.6X5.7-90D	49.6	61	5
MOR-52.6X5.7-90D	52.6	64	5
MOR-54.6X5.7-90D	54.6	66	5
MOR-55.6X5.7-90D	55.6	67	5
MOR-57.6X5.7-90D	57.6	69	2
MOR-59.6X5.7-90D	59.6	71	2
MOR-62.6X5.7-90D	62.6	74	2
MOR-64.6X5.7-90D	64.6	76	2
MOR-66.6X5.7-90D	66.6	78	2
MOR-69.6X5.7-90D	69.6	81	2
MOR-70.6X5.7-90D	70.6	82	2
MOR-74.6X5.7-90D	74.6	86	2
MOR-79.6X5.7-90D	79.6	91	2
MOR-84.6X5.7-90D	84.6	96	2
MOR-89.6X5.7-90D	89.6	101	2
MOR-92.2X5.7-90D	92.2	103.6	2
MOR-94.6X5.7-90D	94.6	106	2
MOR-99.6X5.7-90D	99.6	111	2
MOR-101.6X5.7-90D	101.6	113	2
MOR-104.6X5.7-90D	104.6	116	2
MOR-109.6X5.7-90D	109.6	121	2
MOR-111.6X5.7-90D	111.6	123	2
MOR-114.6X5.7-90D	114.6	126	2
MOR-119.6X5.7-90D	119.6	131	2
MOR-124.6X5.7-90D	124.6	136	2
MOR-129.6X5.7-90D	129.6	141	2
MOR-131.6X5.7-90D	131.6	143	2
MOR-134.6X5.7-90D	134.6	146	2
MOR-139.6X5.7-90D	139.6	151	2
MOR-140.4X5.7-90D	140.4	151.8	1
MOR-144.6X5.7-90D	144.6	156	2
MOR-149.3X5.7-90D	149.3	160.7	2
MOR-149.6X5.7-90D	149.6	161	2
MOR-154.3X5.7-90D	154.3	165.7	2
MOR-159.3X5.7-90D	159.3	170.7	2
MOR-164.3X5.7-90D	164.3	175.7	1
MOR-169.3X5.7-90D	169.3	180.7	1
MOR-174.3X5.7-90D	174.3	185.7	1
MOR-179.3X5.7-90D	179.3	190.7	1
MOR-184.3X5.7-90D	184.3	195.7	1
MOR-189.3X5.7-90D	189.3	200.7	1
MOR-194.3X5.7-90D	194.3	205.7	1
MOR-199.3X5.7-90D	199.3	210.7	1
MOR-204.3X5.7-90D	204.3	215.7	1
MOR-209.3X5.7-90D	209.3	220.7	1
MOR-214.3X5.7-90D	214.3	225.7	1
MOR-219.3X5.7-90D	219.3	230.7	1
MOR-229.3X5.7-90D	229.3	240.7	1
MOR-239.3X5.7-90D	239.3	250.7	1
MOR-259.3X5.7-90D	259.3	270.7	1
MOR-269.3X5.7-90D	269.3	280.7	1

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-274.3X5.7-90D	274.3	285.7	1
MOR-279.3X5.7-90D	279.3	290.7	1
MOR-289.3X5.7-90D	289.3	300.7	1
6mm C/S			
MOR-155X6-90D	155	167	1
MOR-175X6-90D	175	187	1
6.25mm C/S			
MOR-195.8X6.25-90D	195.8	208.3	
6.5mm C/S			
MOR-257.5X6.5-90D	257.5	270.5	1
6.99mm C/S			
MOR-221.66X6.99-90D	221.66	235.64	1
8.4mm C/S			
MOR-149.5X8.4-90D	149.5	166.3	1
MOR-154.5X8.4-90D	154.5	171.3	1
MOR-159.5X8.4-90D	159.5	176.3	1
MOR-164.5X8.4-90D	164.5	181.3	1
MOR-169.5X8.4-90D	169.5	186.3	1
MOR-174.5X8.4-90D	174.5	191.3	1
MOR-179.5X8.4-90D	179.5	196.3	1
MOR-184.5X8.4-90D	184.5	201.3	1
MOR-189.5X8.4-90D	189.5	206.3	1
MOR-194.5X8.4-90D	194.5	211.3	1
MOR-199.5X8.4-90D	199.5	216.3	1
MOR-208.5X8.4-90D	208.5	225.3	1
MOR-209.5X8.4-90D	209.5	226.3	1
MOR-214.5X8.4-90D	214.5	231.3	1
MOR-219.5X8.4-90D	219.5	236.3	1
MOR-234.5X8.4-90D	234.5	251.3	1
MOR-244.5X8.4-90D	244.5	261.3	1
MOR-264.5X8.4-90D	264.5	281.3	1
MOR-299.5X8.4-90D	299.5	316.3	1
MOR-374.5X8.4-90D	374.5	391.3	1

O-RINGS - 75 DURO FLUOROCARBON

Please specify 75 or 90 Durometer when ordering. Metric o-rings are offered in minimum package quantities (MP in chart).



PART NUMBERS

MOR - 3 X 1

Type of Seal | Inside Diameter | Cross Section

SEAL INFORMATION	
MATERIAL	75A DURO FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1mm C/S			
MOR-3X1V	3	5	20
MOR-4X1V	4	6	10
MOR-6X1V	6	8	20
1.5mm C/S			
MOR-5X1.5V	5	8	20
MOR-7X1.5V	7	10	15
MOR-11X1.5V	11	14	10
MOR-12X1.5V	12	15	10
MOR-13X1.5V	13	16	10
MOR-16X1.5V	16	19	10
MOR-17X1.5V	17	20	1
1.6mm C/S			
MOR-3.1X1.6V	3.1	6.3	20
MOR-4.1X1.6V	4.1	7.3	20
MOR-7.1X1.6V	7.1	10.3	10
MOR-9.1X1.6V	9.1	12.3	10
MOR-13.1X1.6V	13.1	16.3	10
1.9mm C/S			
MOR-4.8X1.9V	4.8	8.6	15
MOR-5.8X1.9V	5.8	9.6	15
MOR-6.8X1.9V	6.8	10.6	10
MOR-7.8X1.9V	7.8	11.6	10
MOR-8.8X1.9V	8.8	12.6	10
MOR-9.8X1.9V	9.8	13.6	10
2mm C/S			
MOR-3X2V	3	7	10
MOR-4X2V	4	8	10
MOR-5X2V	5	9	10
MOR-6X2V	6	10	10
MOR-7X2V	7	11	10
MOR-8X2V	8	12	10
MOR-9X2V	9	13	10
MOR-10X2V	10	14	10
MOR-11X2V	11	15	10
MOR-12X2V	12	16	10
MOR-13X2V	13	17	10
MOR-14X2V	14	18	5
MOR-15X2V	15	19	5
MOR-16X2V	16	20	5
MOR-17X2V	17	21	5
MOR-18X2V	18	22	5

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-19X2V	19	23	5
MOR-20X2V	20	24	5
MOR-22X2V	22	26	5
MOR-23.5X2V	23.5	27.5	5
MOR-25X2V	25	29	5
MOR-26X2V	26	30	5
MOR-27X2V	27	31	5
MOR-30X2V	30	34	5
MOR-32X2V	32	36	5
MOR-35X2V	35	39	5
MOR-37.5X2V	37.5	41.5	5
MOR-39.5X2V	39.5	43.5	2
MOR-44X2V	44	48	2
MOR-50X2V	50	54	2
MOR-55X2V	55	59	2
2.4mm C/S			
MOR-7.6X2.4V	7.6	12.4	10
MOR-8.3X2.4V	8.3	13.1	10
MOR-8.6X2.4V	8.6	13.4	10
MOR-9.8X2.4V	9.8	14.6	5
MOR-10.8X2.4V	10.8	15.6	5
MOR-11.3X2.4V	11.3	16.1	5
MOR-11.8X2.4V	11.8	16.6	5
MOR-12.3X2.4V	12.3	17.1	5
MOR-13.3X2.4V	13.3	18.1	5
MOR-13.8X2.4V	13.8	18.6	5
MOR-14.8X2.4V	14.8	19.6	5
MOR-15.8X2.4V	15.8	20.6	5
MOR-17.3X2.4V	17.3	22.1	5
MOR-17.8X2.4V	17.8	22.6	5
MOR-19.8X2.4V	19.8	24.6	5
MOR-20.8X2.4V	20.8	25.6	5
MOR-21.8X2.4V	21.8	26.6	5
MOR-39.6X2.4V	39.6	44.4	2
2.5mm C/S			
MOR-7X2.5V	7	12	10
MOR-10X2.5V	10	15	5
MOR-11X2.5V	11	16	5
MOR-12X2.5V	12	17	5
MOR-13X2.5V	13	18	5
MOR-14X2.5V	14	19	5
MOR-15X2.5V	15	20	5
MOR-16X2.5V	16	21	5

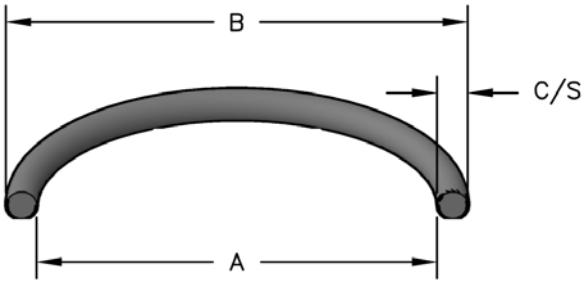
O-RINGS - 75 DURO FLUOROCARBON

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-17X2.5V	17	22	4
MOR-18X2.5V	18	23	5
MOR-19X2.5V	19	24	5
MOR-20X2.5V	20	25	5
MOR-22X2.5V	22	27	5
MOR-23X2.5V	23	28	5
MOR-28X2.5V	28	33	5
MOR-35X2.5V	35	40	2
MOR-59X2.5V	59	64	1
3mm C/S			
MOR-9X3V	9	15	5
MOR-10X3V	10	16	5
MOR-11X3V	11	17	5
MOR-13X3V	13	19	5
MOR-15X3V	15	21	5
MOR-16X3V	16	22	5
MOR-17X3V	17	23	5
MOR-19X3V	19	25	5
MOR-20X3V	20	26	5
MOR-22X3V	22	28	5
MOR-25X3V	25	31	5
MOR-26X3V	26	32	5
MOR-27X3V	27	33	5
MOR-28X3V	28	34	2
MOR-29X3V	29	35	2
MOR-30X3V	30	36	2
MOR-32X3V	32	38	2
MOR-33X3V	33	39	2
MOR-34X3V	34	40	2
MOR-35X3V	35	41	2
MOR-36X3V	36	42	2
MOR-38X3V	38	44	2
MOR-39X3V	39	45	2
MOR-42.2X3V	42.2	48.2	2
MOR-46X3V	46	52	1
MOR-48X3V	48	54	2
MOR-49.5X3V	49.5	55.5	2
MOR-52X3V	52	58	2
MOR-57X3V	57	63	1
MOR-60X3V	60	66	1
MOR-62X3V	62	68	1
MOR-64X3V	64	70	1
MOR-65X3V	65	71	1
MOR-68X3V	68	74	1
MOR-72X3V	72	78	1
MOR-74X3V	74	80	1
MOR-78X3V	78	84	1
MOR-95X3V	95	101	1
3.1mm C/S			
MOR-24.4X3.1V	24.4	30.6	2
MOR-29.4X3.1V	29.4	35.6	2
MOR-39.4X3.1V	39.4	45.6	2
MOR-44.4X3.1V	44.4	50.6	1
MOR-49.4X3.1V	49.4	55.6	1
MOR-54.4X3.1V	54.4	60.6	1
MOR-59.4X3.1V	59.4	65.6	1
MOR-64.4X3.1V	64.4	70.6	1

Seal color may vary.

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-69.4X3.1V	69.4	75.6	1
MOR-74.4X3.1V	74.4	80.6	1
MOR-79.4X3.1V	79.4	85.6	1
MOR-84.4X3.1V	84.4	90.6	1
MOR-89.4X3.1V	89.4	95.6	1
MOR-94.4X3.1V	94.4	100.6	1
MOR-99.4X3.1V	99.4	105.6	1
MOR-104.4X3.1V	104.4	110.6	1
MOR-109.4X3.1V	109.4	115.6	1
MOR-114.4X3.1V	114.4	120.6	1
MOR-119.4X3.1V	119.4	125.6	1
MOR-124.4X3.1V	124.4	130.6	1
MOR-164.4X3.1V	164.4	170.6	1
MOR-169.4X3.1V	169.4	175.6	1
3.5mm C/S			
MOR-22X3.5V	22	29	1
4mm C/S			
MOR-38X4V	38	46	1
MOR-41X4V	41	49	2
MOR-44X4V	44	52	1
MOR-48X4V	48	56	1
MOR-72X4V	72	80	1
MOR-124X4V	124	132	1
5.7mm C/S			
MOR-52.6X5.7V	52.6	64	1
MOR-59.6X5.7V	59.6	71	1
MOR-69.6X5.7V	69.6	81	1
MOR-79.6X5.7V	79.6	91	1
MOR-84.6X5.7V	84.6	96	1
MOR-99.6X5.7V	99.6	111	1
MOR-114.6X5.7V	114.6	126	1
MOR-119.6X5.7V	119.6	131	1
MOR-129.6X5.7V	129.6	141	1
MOR-139.6X5.7V	139.6	151	1
MOR-189.3X5.7-90DV-BLACK	189.3	200.7	1
MOR-189.3X5.7V	189.3	200.7	1

O-RINGS - 70 DUROMETER MOR-JIS STYLE



PART NUMBERS

MOR-JIS - G025

Type of Seal — JIS Standard Number

SEAL INFORMATION	
MATERIAL	70A DURO NITRILE
TEMPERATURE RANGE	-40° TO +220° F
SPEED	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1.9mm C/S			
MOR-JIS-P003	2.8	6.6	100
MOR-JIS-P004	3.8	7.6	100
MOR-JIS-P005	4.8	8.6	100
MOR-JIS-P006	5.8	9.6	100
MOR-JIS-P007	6.8	10.6	100
MOR-JIS-P008	7.8	11.6	100
MOR-JIS-P009	8.8	12.6	100
MOR-JIS-P010	9.8	13.6	100
2.4mm C/S			
MOR-JIS-P010A	9.8	14.6	100
MOR-JIS-P011	10.8	15.6	100
MOR-JIS-P011.2	11	15.8	100
MOR-JIS-P012	11.8	16.6	100
MOR-JIS-P012.5	12.3	17.1	20
MOR-JIS-P014	13.8	18.6	100
MOR-JIS-P015	14.8	19.6	100
MOR-JIS-P016	15.8	20.6	100
MOR-JIS-P018	17.8	22.6	100
MOR-JIS-P020	19.8	24.6	100
MOR-JIS-P021	20.8	25.6	100
MOR-JIS-P022	21.8	26.6	100
3.1mm C/S			
MOR-JIS-G025	24.4	30.6	25
MOR-JIS-G030	29.4	35.6	20
MOR-JIS-G035	34.4	40.6	20
MOR-JIS-G040	39.4	45.6	20
MOR-JIS-G045	44.4	50.6	10
MOR-JIS-G050	49.4	55.6	10
MOR-JIS-G055	54.4	60.6	10
MOR-JIS-G060	59.4	65.6	10
MOR-JIS-G065	64.4	70.6	10
MOR-JIS-G070	69.4	75.6	10
MOR-JIS-G075	74.4	80.6	5
MOR-JIS-G080	79.4	85.6	5
MOR-JIS-G085	84.4	90.6	5
MOR-JIS-G090	89.4	95.6	5
MOR-JIS-G095	94.4	100.6	5
MOR-JIS-G100	99.4	105.6	5
MOR-JIS-G105	104.4	110.6	5
MOR-JIS-G110	109.4	115.6	5
MOR-JIS-G115	114.4	120.6	5
MOR-JIS-G120	119.4	125.6	5

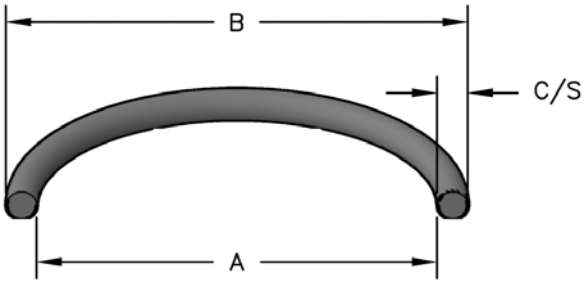
Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-G125	124.4	130.6	5
MOR-JIS-G130	129.4	135.6	5
MOR-JIS-G135	134.4	140.6	2
MOR-JIS-G140	139.4	145.6	2
MOR-JIS-G145	144.4	150.6	2
3.5mm C/S			
MOR-JIS-P022A	21.7	28.7	25
MOR-JIS-P022.4	22.1	29.1	25
MOR-JIS-P024	23.7	30.7	25
MOR-JIS-P025	24.7	31.7	25
MOR-JIS-P025.5	25.2	32.2	25
MOR-JIS-P026	25.7	32.7	25
MOR-JIS-P028	27.7	34.7	20
MOR-JIS-P029	28.7	35.7	20
MOR-JIS-P029.5	29.2	36.2	20
MOR-JIS-P030	29.7	36.7	20
MOR-JIS-P031	30.7	37.7	20
MOR-JIS-P031.5	31.2	38.2	20
MOR-JIS-P032	31.7	38.7	20
MOR-JIS-P034	33.7	40.7	20
MOR-JIS-P035	34.7	41.7	20
MOR-JIS-P035.5	35.2	42.2	20
MOR-JIS-P036	35.7	42.7	20
MOR-JIS-P038	37.7	44.7	20
MOR-JIS-P039	38.7	45.7	20
MOR-JIS-P040	39.7	46.7	20
MOR-JIS-P041	40.7	47.7	20
MOR-JIS-P042	41.7	48.7	20
MOR-JIS-P044	43.7	50.7	10
MOR-JIS-P045	44.7	51.7	10
MOR-JIS-P046	45.7	52.7	10
MOR-JIS-P048	47.7	54.7	10
MOR-JIS-P049	48.7	55.7	10
MOR-JIS-P050	49.7	56.7	10
4mm C/S			
MOR-JIS-V015	14.5	22.5	6
MOR-JIS-V024	23.5	31.5	25
MOR-JIS-V085	84	92	5
MOR-JIS-V120	119	127	5
5.7mm C/S			
MOR-JIS-P048A	47.6	59	5
MOR-JIS-P050A	49.6	61	5
MOR-JIS-P053	52.6	64	5

O-RINGS - 70 DUROMETER MOR-JIS STYLE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-P055	54.6	66	5
MOR-JIS-P056	55.6	67	5
MOR-JIS-P058	57.6	69	5
MOR-JIS-P060	59.6	71	2
MOR-JIS-P062	61.6	73	2
MOR-JIS-P065	64.6	76	2
MOR-JIS-P067	66.6	78	2
MOR-JIS-P070	69.6	81	2
MOR-JIS-P071	70.6	82	2
MOR-JIS-P075	74.6	86	2
MOR-JIS-P080	79.6	91	2
MOR-JIS-P085	84.6	96	2
MOR-JIS-P090	89.6	101	2
MOR-JIS-P095	94.6	106	2
MOR-JIS-P100	99.6	111	2
MOR-JIS-P105	104.6	116	2
MOR-JIS-P110	109.6	121	2
MOR-JIS-P112	111.6	123	2
MOR-JIS-P115	114.6	126	2
MOR-JIS-P120	119.6	131	2
MOR-JIS-P125	124.6	136	2
MOR-JIS-P130	129.6	141	2
MOR-JIS-P135	134.6	146	2
MOR-JIS-P140	139.6	151	2
MOR-JIS-P145	144.6	156	2
MOR-JIS-G150	149.3	160.7	2
MOR-JIS-P150	149.6	161	2
MOR-JIS-G155	154.3	165.7	2
MOR-JIS-G160	159.3	170.7	2
MOR-JIS-G165	164.3	175.7	2
MOR-JIS-G170	169.3	180.7	2
MOR-JIS-G175	174.3	185.7	2
MOR-JIS-G180	179.3	190.7	2
MOR-JIS-G185	184.3	195.7	2
MOR-JIS-G190	189.3	200.7	2
MOR-JIS-G195	194.3	205.7	2
MOR-JIS-G200	199.3	210.7	2
MOR-JIS-G210	209.3	220.7	2
MOR-JIS-G215	214.3	225.7	2
MOR-JIS-G220	219.3	230.7	2
MOR-JIS-G225	224.3	235.7	1
MOR-JIS-G230	229.3	240.7	1
MOR-JIS-G235	234.3	245.7	1
MOR-JIS-G240	239.3	250.7	1
MOR-JIS-G250	249.3	260.7	1
MOR-JIS-G260	259.3	270.7	1
MOR-JIS-G270	269.3	280.7	1
MOR-JIS-G290	289.3	300.7	1
MOR-JIS-G300	299.3	310.7	1
MOR-JIS-G310	309.3	320.7	1
MOR-JIS-G345	344.3	355.7	1
MOR-JIS-G360	359.3	370.7	1
MOR-JIS-G400	399.3	410.7	1
8.4mm C/S			
MOR-JIS-P150A	149.5	166.3	1
MOR-JIS-P155	154.5	171.3	1
MOR-JIS-P160	159.5	176.3	1

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-P165	164.5	181.3	1
MOR-JIS-P170	169.5	186.3	1
MOR-JIS-P175	174.5	191.3	1
MOR-JIS-P180	179.5	196.3	1
MOR-JIS-P185	184.5	201.3	1
MOR-JIS-P200	199.5	216.3	1
MOR-JIS-P205	204.5	221.3	1
MOR-JIS-P210	209.5	226.3	1
MOR-JIS-P220	219.5	236.3	1
MOR-JIS-P230	229.5	246.3	1
MOR-JIS-P235	234.5	251.3	1
MOR-JIS-P240	239.5	256.3	1
MOR-JIS-P250	249.5	266.3	1
MOR-JIS-P280	279.5	296.3	1
MOR-JIS-P285	284.5	301.3	1
MOR-JIS-P300	299.5	316.3	1
MOR-JIS-P315	314.5	331.3	1
MOR-JIS-P320	319.5	336.3	1
MOR-JIS-P335	334.5	351.3	1
MOR-JIS-P355	354.5	371.3	1
MOR-JIS-P360	359.5	376.3	1
MOR-JIS-P385	384.5	401.3	1

O-RINGS - 75 DURO FLUOROCARBON MOR-JIS STYLE



PART NUMBERS

MOR-JIS - G025V

Type of Seal — JIS Standard Number

SEAL INFORMATION	
MATERIAL	75A DURO FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1.9mm C/S			
MOR-JIS-P005V	4.8	8.6	15
MOR-JIS-P006V	5.8	9.6	15
MOR-JIS-P007V	6.8	10.6	10
MOR-JIS-P008V	7.8	11.6	10
MOR-JIS-P009V	8.8	12.6	10
MOR-JIS-P010V	9.8	13.6	10
2.4mm C/S			
MOR-JIS-P011V	10.8	15.6	5
MOR-JIS-P012V	11.8	16.6	5
MOR-JIS-P012.5V	12.3	17.1	5
MOR-JIS-P014V	13.8	18.6	5
MOR-JIS-P015V	14.8	19.6	5
MOR-JIS-P016V	15.8	20.6	5
MOR-JIS-P018V	17.8	22.6	5
MOR-JIS-P020V	19.8	24.6	5
MOR-JIS-P021V	20.8	25.6	5
MOR-JIS-P022V	21.8	26.6	5
3.1mm C/S			
MOR-JIS-G025V	24.4	30.6	2
MOR-JIS-G030V	29.4	35.6	2
MOR-JIS-G040V	39.4	45.6	2
MOR-JIS-G045V	44.4	50.6	1
MOR-JIS-G050V	49.4	55.6	1
MOR-JIS-G060V	59.4	65.6	1
MOR-JIS-G065V	64.4	70.6	1
MOR-JIS-G070V	69.4	75.6	1
MOR-JIS-G075V	74.4	80.6	1
MOR-JIS-G080V	79.4	85.6	1
MOR-JIS-G085V	84.4	90.6	1
MOR-JIS-G090V	89.4	95.6	1
MOR-JIS-G095V	94.4	100.6	1
MOR-JIS-G100V	99.4	105.6	1
MOR-JIS-G105V	104.4	110.6	1
MOR-JIS-G110V	109.4	115.6	1
MOR-JIS-G115V	114.4	120.6	1
MOR-JIS-G120V	119.4	125.6	1
MOR-JIS-G125V	124.4	130.6	1
MOR-JIS-G145V	144.4	150.6	1
3.5mm C/S			
MOR-JIS-P029V	28.7	35.7	1
5.7mm C/S			

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-P053V	52.6	64	1
MOR-JIS-P055V	54.6	66	1
MOR-JIS-P060V	59.6	71	1
MOR-JIS-P065V	64.6	76	1
MOR-JIS-P080V	79.6	91	1
MOR-JIS-P090V	89.6	101	1
MOR-JIS-P100V	99.6	111	1
MOR-JIS-P130V	129.6	141	1
MOR-JIS-P135V	134.6	146	1
MOR-JIS-P140V	139.6	151	1
MOR-JIS-G190V	189.3	200.7	1

Seal color may vary.

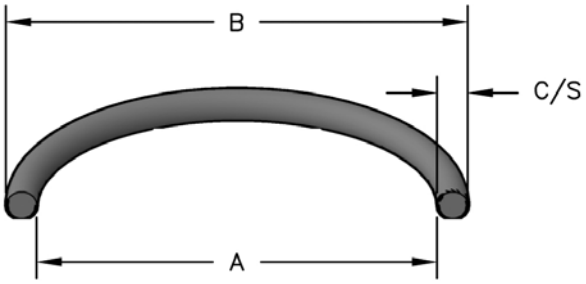
KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

O-RINGS - 90 DURO NITRILE MOR-JIS STYLE

Please specify 70 or 90 Durometer when ordering. Metric o-rings are offered in minimum package quantities (MP in chart).



PART NUMBERS

MOR-JIS - G025 - 90D

Type of Seal | JIS Standard Number | Suffix

SEAL INFORMATION	
MATERIAL	75A DURO FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	3 FT/SEC

Part Number	A Nom. ID	B Nom. OD	Package Quantity
1.9mm C/S			
MOR-JIS-P003-90D	2.8	6.6	100
MOR-JIS-P004-90D	3.8	7.6	100
MOR-JIS-P005-90D	4.8	8.6	100
MOR-JIS-P006-90D	5.8	9.6	100
MOR-JIS-P007-90D	6.8	10.6	50
MOR-JIS-P008-90D	7.8	11.6	50
MOR-JIS-P009-90D	8.8	12.6	50
MOR-JIS-P010-90D	9.8	13.6	50
2.4mm C/S			
MOR-JIS-P010A-90D	9.8	14.6	25
MOR-JIS-P011-90D	10.8	15.6	25
MOR-JIS-P011.2-90D	11	15.8	25
MOR-JIS-P012-90D	11.8	16.6	25
MOR-JIS-P012.5-90D	12.3	17.1	20
MOR-JIS-P014-90D	13.8	18.6	20
MOR-JIS-P015-90D	14.8	19.6	20
MOR-JIS-P016-90D	15.8	20.6	20
MOR-JIS-P018-90D	17.8	22.6	20
MOR-JIS-P020-90D	19.8	24.6	20
MOR-JIS-P021-90D	20.8	25.6	20
MOR-JIS-P022-90D	21.8	26.6	20
3.1mm C/S			
MOR-JIS-G025-90D	24.4	30.6	25
MOR-JIS-G030-90D	29.4	35.6	20
MOR-JIS-G035-90D	34.4	40.6	20
MOR-JIS-G040-90D	39.4	45.6	20
MOR-JIS-G045-90D	44.4	50.6	10
MOR-JIS-G050-90D	49.4	55.6	10
MOR-JIS-G055-90D	54.4	60.6	10
MOR-JIS-G060-90D	59.4	65.6	5
MOR-JIS-G065-90D	64.4	70.6	5
MOR-JIS-G070-90D	69.4	75.6	5
MOR-JIS-G075-90D	74.4	80.6	5
MOR-JIS-G080-90D	79.4	85.6	5
MOR-JIS-G085-90D	84.4	90.6	5
MOR-JIS-G090-90D	89.4	95.6	5
MOR-JIS-G095-90D	94.4	100.6	5
MOR-JIS-G100-90D	99.4	105.6	5
MOR-JIS-G105-90D	104.4	110.6	5
MOR-JIS-G110-90D	109.4	115.6	5
MOR-JIS-G115-90D	114.4	120.6	5
MOR-JIS-G120-90D	119.4	125.6	5

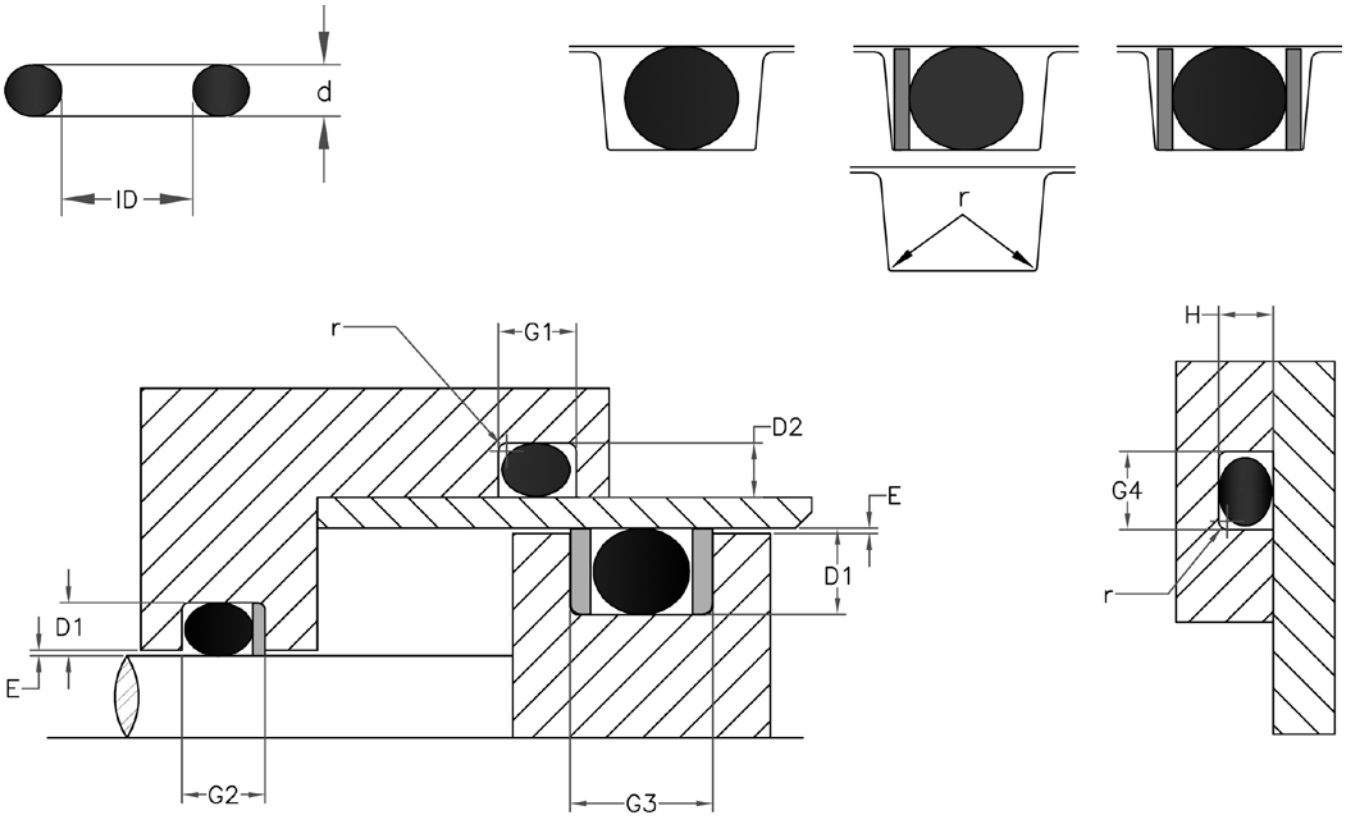
Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-G125-90D	124.4	130.6	5
MOR-JIS-G130-90D	129.4	135.6	5
MOR-JIS-G135-90D	134.4	140.6	2
MOR-JIS-G140-90D	139.4	145.6	2
MOR-JIS-G145-90D	144.4	150.6	2
3.5mm C/S			
MOR-JIS-P022A-90D	21.7	28.7	20
MOR-JIS-P022.4-90D	22.1	29.1	20
MOR-JIS-P024-90D	23.7	30.7	20
MOR-JIS-P025-90D	24.7	31.7	20
MOR-JIS-P025.5-90D	25.2	32.2	20
MOR-JIS-P026-90D	25.7	32.7	10
MOR-JIS-P028-90D	27.7	34.7	10
MOR-JIS-P029-90D	28.7	35.7	10
MOR-JIS-P029.5-90D	29.2	36.2	20
MOR-JIS-P030-90D	29.7	36.7	10
MOR-JIS-P031-90D	30.7	37.7	10
MOR-JIS-P031.5-90D	31.2	38.2	20
MOR-JIS-P032-90D	31.7	38.7	10
MOR-JIS-P034-90D	33.7	40.7	10
MOR-JIS-P035-90D	34.7	41.7	10
MOR-JIS-P035.5-90D	35.2	42.2	20
MOR-JIS-P036-90D	35.7	42.7	10
MOR-JIS-P038-90D	37.7	44.7	10
MOR-JIS-P039-90D	38.7	45.7	10
MOR-JIS-P040-90D	39.7	46.7	10
MOR-JIS-P041-90D	40.7	47.7	10
MOR-JIS-P042-90D	41.7	48.7	10
MOR-JIS-P044-90D	43.7	50.7	5
MOR-JIS-P045-90D	44.7	51.7	5
MOR-JIS-P046-90D	45.7	52.7	5
MOR-JIS-P048-90D	47.7	54.7	5
MOR-JIS-P049-90D	48.7	55.7	5
MOR-JIS-P050-90D	49.7	56.7	5
4mm C/S			
MOR-JIS-V015-90D	14.5	22.5	2
MOR-JIS-V024-90D	23.5	31.5	2
5.7mm C/S			
MOR-JIS-P048A-90D	47.6	59	5
MOR-JIS-P050A-90D	49.6	61	5
MOR-JIS-P052-90D	51.6	63	5
MOR-JIS-P053-90D	52.6	64	5
MOR-JIS-P055-90D	54.6	66	5

O-RINGS - 90 DURO NITRILE MOR-JIS STYLE

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-P056-90D	55.6	67	5
MOR-JIS-P058-90D	57.6	69	2
MOR-JIS-P060-90D	59.6	71	2
MOR-JIS-P063-90D	62.6	74	2
MOR-JIS-P065-90D	64.6	76	2
MOR-JIS-P067-90D	66.6	78	2
MOR-JIS-P070-90D	69.6	81	2
MOR-JIS-P071-90D	70.6	82	2
MOR-JIS-P075-90D	74.6	86	2
MOR-JIS-P080-90D	79.6	91	2
MOR-JIS-P085-90D	84.6	96	2
MOR-JIS-P090-90D	89.6	101	2
MOR-JIS-P095-90D	94.6	106	2
MOR-JIS-P100-90D	99.6	111	2
MOR-JIS-P102-90D	101.6	113	2
MOR-JIS-P105-90D	104.6	116	2
MOR-JIS-P110-90D	109.6	121	2
MOR-JIS-P112-90D	111.6	123	2
MOR-JIS-P115-90D	114.6	126	2
MOR-JIS-P120-90D	119.6	131	2
MOR-JIS-P125-90D	124.6	136	2
MOR-JIS-P130-90D	129.6	141	2
MOR-JIS-P132-90D	131.6	143	2
MOR-JIS-P135-90D	134.6	146	2
MOR-JIS-P140-90D	139.6	151	2
MOR-JIS-P145-90D	144.6	156	2
MOR-JIS-G150-90D	149.3	160.7	2
MOR-JIS-P150-90D	149.6	161	2
MOR-JIS-G155-90D	154.3	165.7	2
MOR-JIS-G160-90D	159.3	170.7	2
MOR-JIS-G165-90D	164.3	175.7	1
MOR-JIS-G170-90D	169.3	180.7	1
MOR-JIS-G175-90D	174.3	185.7	1
MOR-JIS-G180-90D	179.3	190.7	1
MOR-JIS-G185-90D	184.3	195.7	1
MOR-JIS-G190-90D	189.3	200.7	1
MOR-JIS-G195-90D	194.3	205.7	1
MOR-JIS-G200-90D	199.3	210.7	1
MOR-JIS-G205-90D	204.3	215.7	1
MOR-JIS-G210-90D	209.3	220.7	1
MOR-JIS-G215-90D	214.3	225.7	1
MOR-JIS-G220-90D	219.3	230.7	1
MOR-JIS-G230-90D	229.3	240.7	1
MOR-JIS-G240-90D	239.3	250.7	1
MOR-JIS-G250-90D	249.3	260.7	1
MOR-JIS-G260-90D	259.3	270.7	1
MOR-JIS-G270-90D	269.3	280.7	1
MOR-JIS-G275-90D	274.3	285.7	1
MOR-JIS-G280-90D	279.3	290.7	1
MOR-JIS-G290-90D	289.3	300.7	1
MOR-JIS-G300-90D	299.3	310.7	1
8.4mm C/S			
MOR-JIS-P150A-90D	149.5	166.3	1
MOR-JIS-P155-90D	154.5	171.3	1
MOR-JIS-P160-90D	159.5	176.3	1
MOR-JIS-P165-90D	164.5	181.3	1
MOR-JIS-P170-90D	169.5	186.3	1

Part Number	A Nom. ID	B Nom. OD	Package Quantity
MOR-JIS-P175-90D	174.5	191.3	1
MOR-JIS-P180-90D	179.5	196.3	1
MOR-JIS-P185-90D	184.5	201.3	1
MOR-JIS-P190-90D	189.5	206.3	1
MOR-JIS-P195-90D	194.5	211.3	1
MOR-JIS-P200-90D	199.5	216.3	1
MOR-JIS-P210-90D	209.5	226.3	1
MOR-JIS-P215-90D	214.5	231.3	1
MOR-JIS-P220-90D	219.5	236.3	1
MOR-JIS-P225-90D	224.5	241.3	1
MOR-JIS-P240-90D	239.5	256.3	1
MOR-JIS-P245-90D	244.5	261.3	1
MOR-JIS-P255-90D	254.5	271.3	1
MOR-JIS-P265-90D	264.5	281.3	1
MOR-JIS-P280-90D	279.5	296.3	1
MOR-JIS-P290-90D	289.5	306.3	1
MOR-JIS-P300-90D	299.5	316.3	1
MOR-JIS-P375-90D	374.5	391.3	1

METRIC O-RING GROOVE DIMENSIONS

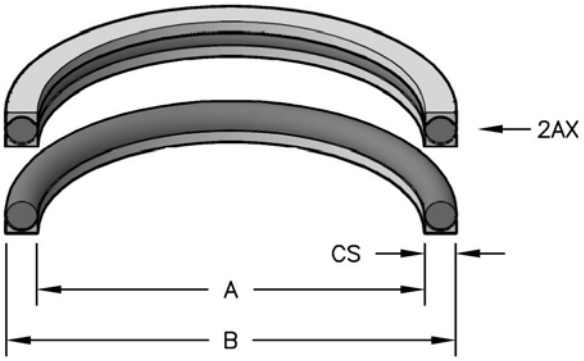


Cross Section d	Radial Installation					Axial Installation		Radius	Gap E Max
	Groove Depth + 0.05		Groove Width			Groove Depth	Groove Width		
	Dynamic D1	Static D2	G1 ± 0.2	G2 ± 0.2	G3 ± 0.2	H + 0.05	G4 + 0.2	r ± 0.2	
1.5	1.25	1.10	2.00	3.00	4.00	1.10	2.10	0.30	0.05
1.60	1.30	1.20	2.10	3.10	4.10	1.20	2.20	0.30	0.05
1.78	1.45	1.30	2.40	3.60	5.20	1.30	2.60	0.30	0.06
2.40	2.05	1.80	3.20	4.60	6.00	1.80	3.30	0.30	0.06
2.62	2.25	2.00	3.60	5.00	6.40	2.00	3.80	0.30	0.07
3.00	2.60	2.30	4.00	5.40	6.80	2.30	4.00	0.60	0.07
3.53	3.10	2.70	4.80	6.20	7.60	2.70	5.00	0.60	0.08
4.00	3.50	3.10	5.20	6.90	8.60	3.10	5.30	0.60	0.08
5.33	4.70	4.30	7.10	9.00	10.90	4.30	7.30	0.60	0.10
5.70	5.00	4.60	7.20	9.00	11.00	4.60	7.40	0.60	0.10
7.00	6.10	5.80	9.50	12.30	15.10	5.80	9.70	1.00	0.13
8.40	7.50	7.10	10.00	12.80	15.60	7.10	10.30	1.00	0.13

Seal color may vary.

O-RINGS - OBVD STATIC SEALS

OBVD static seals are a composite of an o-ring and a back-up ring. An 80 durometer nitrile o-ring is permanently affixed to a 95 durometer urethane back-up ring.

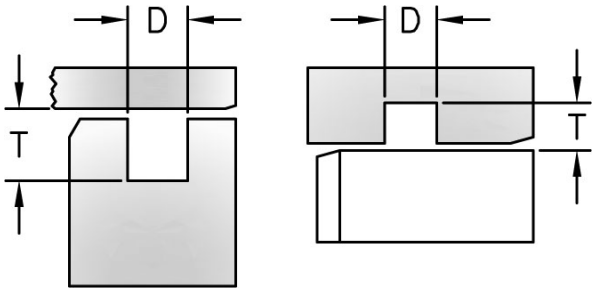


PART NUMBERS

OBVD 35 X 3

Type of Seal | Inside Diameter | Cross Section

SEAL INFORMATION	
MATERIAL	NITRILE URETHANE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 7,250 PSI
SPEED	3 FT/SEC



Part Number	A Nom. ID	B Nom. OD	D GROOVE WIDTH	T GROOVE DEPTH
3mm C/S				
OBVD35X3	35	41	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD56X3	56	62	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD60X3	60	66	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD75X3	75	81	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD84X3	84	90	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD85X3	85	91	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD94X3	94	100	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD95X3	95	101	3.90 +0.20 +0.00	2.30 +0.00 -0.05
OBVD95X3-2AX	95	101	4.40 +0.20 +0.00	2.30 +0.00 -0.05
OBVD104X3	104	110	3.90 +0.20 +0.00	2.30 +0.00 -0.05
3.53mm C/S				
OBVD53X3.53	53	60.06	4.50 +0.20 +0.00	2.80 +0.05 +0.00
4mm C/S				
OBVD57X4	57	65	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD75X4	75	83	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD82X4	82	90	5.20 +0.20 +0.00	3.20 +0.00 -0.05

Part Number	A Nom. ID	B Nom. OD	D GROOVE WIDTH	T GROOVE DEPTH
OBVD82X4-2AX	82	90	5.70 +0.20 +0.00	3.20 +0.00 -0.05
OBVD87X4	87	95	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD92X4	92	100	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD110X4	110	118	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD117X4	117	125	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD117X4-2AX	117	125	5.70 +0.20 +0.00	3.20 +0.00 -0.05
OBVD118X4	118	126	5.20 +0.20 +0.00	3.20 +0.00 -0.05
OBVD147X4	147	155	5.20 +0.20 +0.00	3.20 +0.00 -0.05
5mm C/S				
OBVD85X5	85	95	6.20 +0.30 +0.00	4.20 +0.00 -0.10
OBVD110X5	110	120	6.20 +0.30 +0.00	4.20 +0.00 -0.10
OBVD115X5	115	125	6.20 +0.30 +0.00	4.20 +0.00 -0.10
OBVD135X5	135	145	6.20 +0.30 +0.00	4.20 +0.00 -0.10
OBVD140X5	140	150	6.20 +0.30 +0.00	4.20 +0.00 -0.10
OBVD150X5	150	160	6.20 +0.30 +0.00	4.20 +0.00 -0.10
6mm C/S				

O-RINGS - OBVD STATIC SEALS

Part Number	A Nom. ID	B Nom. OD	D GROOVE WIDTH	T GROOVE DEPTH
OBVD 212X6	212	224	7.20 +0.30 +0.00	5.10 +0.00 -0.10
OBVD 240X6	240	252	7.20 +0.30 +0.00	5.10 +0.00 -0.10
8mm C/S				
OBVD 380X8	380	396	9.80 +0.30 +0.00	6.80 +0.00 -0.10

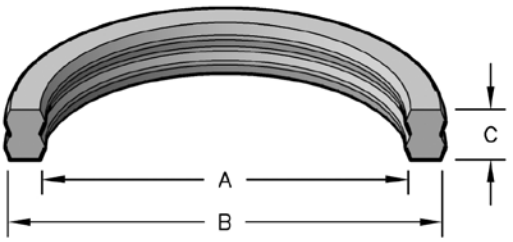
O-RING CORD STOCK

Part Number
MORC-1.5
MORC-2.0
MORC-2.5
MORC-3.0
MORC-4.0
MORC-5.0
MORC-5.7
MORC-6.0
MORC-8.4

Note: Material = 70A Durometer Nitrile. Sold by the foot.

STYLE MHS8 HEAD SEALS

Molded in Zurcon ® Z20 93A urethane, this seal was developed to be used as a head seal and to replace an o-ring and a back-up. Its symmetrical one-piece design reduces the risk of installation damage and back-up blow-out.

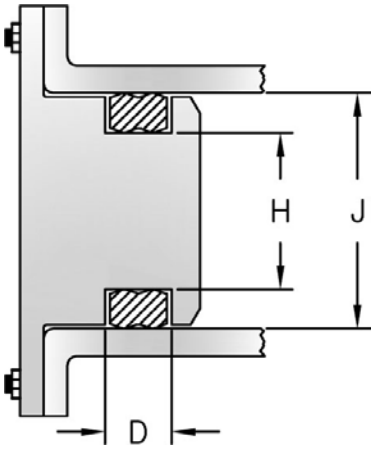


PART NUMBERS

MHS8 15 X 12.6 X 3.6

Type of Seal	Bore Diameter	Groove Diameter	Groove Width

SEAL INFORMATION	
MATERIAL	93A URETHANE
TEMPERATURE RANGE	-31° TO 230°F
PRESSURE RANGE	0 TO 7,250 PSI
SPEED	STATIC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MHS8-15X12.6X3.6	12.6	15	3	3.60 +0.20 +0.00	12.60 +0.000 -0.043	15.00 +0.027 +0.000
MHS8-18X15.6X3.6	15.6	18	3	3.60 +0.20 +0.00	15.60 +0.000 -0.043	18.00 +0.027 +0.000
MHS8-23X20.6X3.6	20.6	23	3	3.60 +0.20 +0.00	20.60 +0.000 -0.052	23.00 +0.033 +0.000
MHS8-26X22X4.4	22	26	4	4.40 +0.20 +0.00	22.00 +0.000 -0.052	26.00 +0.033 +0.000
MHS8-31X26.4X5	26.4	31	4.5	5.00 +0.20 +0.00	26.40 +0.000 -0.052	31.00 +0.039 +0.000
MHS8-35X30.4X5	30.4	35	4.5	5.00 +0.20 +0.00	30.40 +0.000 -0.062	35.00 +0.039 +0.000
MHS8-35.5X30.9X5	30.9	35.5	4.5	5.00 +0.20 +0.00	30.90 +0.000 -0.062	35.50 +0.039 +0.000
MHS8-40X35.2X5.4	35.2	40	4.9	5.40 +0.20 +0.00	35.20 +0.000 -0.062	40.00 +0.039 +0.000
MHS8-45X40X5.4	40	45	4.9	5.40 +0.20 +0.00	40.00 +0.000 -0.062	45.00 +0.039 +0.000
MHS8-50X45.4X5.4	45.4	50	4.9	5.40 +0.20 +0.00	45.40 +0.000 -0.062	50.00 +0.039 +0.000
MHS8-55X49.9X5.3	49.9	55	4.4	5.30 +0.20 +0.00	49.90 +0.000 -0.062	55.00 +0.046 +0.000
MHS8-60X54.4X5.8	54.4	60	5	5.80 +0.20 +0.00	54.40 +0.000 -0.074	60.00 +0.046 +0.000
MHS8-63X57.6X6.2	57.6	63	5.6	6.20 +0.20 +0.00	57.60 +0.000 -0.074	63.00 +0.046 +0.000
MHS8-63X58.4X5.4	58.4	63	4.9	5.40 +0.20 +0.00	58.40 +0.000 -0.074	63.00 +0.046 +0.000

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

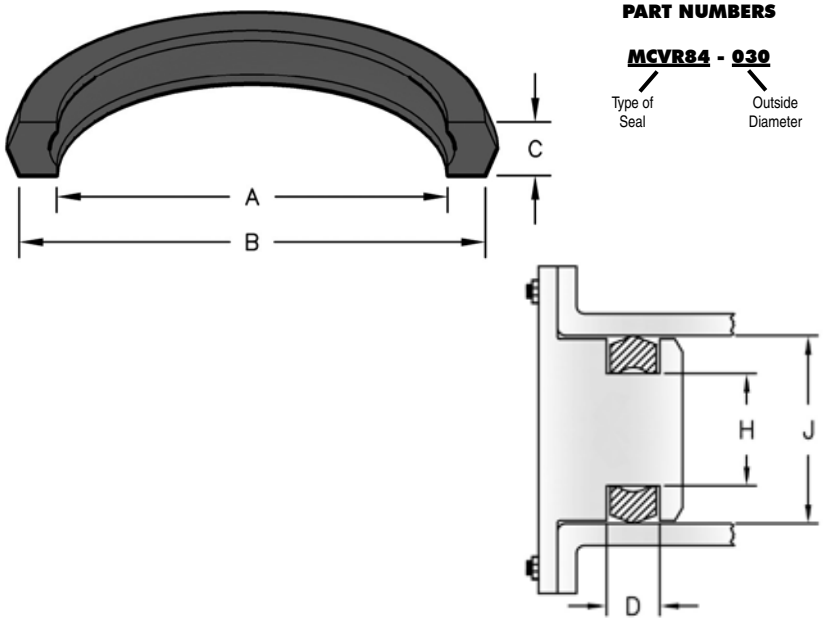
STYLE MHS8 HEAD SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MHS8-70X64.6X6.2	64.6	70	5.6	6.20 +0.20 +0.00	64.60 +0.000 -0.074	70.00 +0.046 +0.000
MHS8-75X69.4X5.3	69.4	75	4.4	5.30 +0.20 +0.00	69.40 +0.000 -0.074	75.00 +0.046 +0.000
MHS8-75X69.6X6.2	69.6	75	5.6	6.20 +0.20 +0.00	69.60 +0.000 -0.074	75.00 +0.046 +0.000
MHS8-80X73.6X6.4	73.6	80	5.9	6.40 +0.20 +0.00	73.60 +0.000 -0.074	80.00 +0.046 +0.000
MHS8-80X74.4X5.3	74.4	80	4.4	5.30 +0.20 +0.00	74.40 +0.000 -0.074	80.00 +0.046 +0.000
MHS8-85X79.4X5.3	79.4	85	4.4	5.30 +0.20 +0.00	79.40 +0.000 -0.074	85.00 +0.054 +0.000
MHS8-95X89.4X6.2	89.4	95	5.6	6.20 +0.20 +0.00	89.40 +0.000 -0.087	95.00 +0.054 +0.000
MHS8-100X93.8X6.9	93.8	100	6.3	6.90 +0.20 +0.00	93.80 +0.000 -0.087	100.00 +0.054 +0.000
MHS8-100X94.3X5.3	94.3	100	4.4	5.30 +0.20 +0.00	94.30 +0.000 -0.087	100.00 +0.054 +0.000
MHS8-110X101.4X9	101.4	110	8.1	9.00 +0.20 +0.00	101.40 +0.000 -0.087	110.00 +0.054 +0.000
MHS8-115X106.6X8.6	106.6	115	7.8	8.60 +0.20 +0.00	106.60 +0.000 -0.087	115.00 +0.054 +0.000
MHS8-120X113X6	113	120	5.25	6.00 +0.20 +0.00	113.00 +0.000 -0.087	120.00 +0.054 +0.000
MHS8-125X115.8X9.7	115.8	125	8.9	9.70 +0.20 +0.00	115.80 +0.000 -0.087	125.00 +0.063 +0.000
MHS8-160X148.4X12.3	148.4	160	11.3	12.30 +0.20 +0.00	148.40 +0.00 -0.10	160.00 +0.063 +0.000
MHS8-165X156.6X8.6	156.6	165	7.8	8.60 +0.20 +0.00	156.60 +0.00 -0.10	165.00 +0.063 +0.000
MHS8-180X171.6X8.6	171.6	180	7.8	8.60 +0.20 +0.00	171.60 +0.00 -0.10	180.00 +0.063 +0.000
MHS8-200X191.6X8.6	191.6	200	7.8	8.60 +0.20 +0.00	191.60 +0.000 -0.115	200.00 +0.072 +0.000

Seal color may vary.

STYLE MCVR84 COVER SEALS

MCVR84 urethane cover seals are designed to replace O-rings for most hydraulic applications, eliminating common problems such as twisting and tearing as well as the need for a backup ring at high pressures. Cover seals may also be used as a double acting seal in many hydraulic applications previously using a conventional O-ring to provide better wear characteristics and greater resistance to extrusion.



PART NUMBERS

MCVR84 - 030

Type of Seal — Outside Diameter

SEAL INFORMATION	
MATERIAL	95A URETHANE
TEMPERATURE RANGE	-22° TO 212°F
PRESSURE RANGE	0 TO 8,700 PSI
SPEED	STATIC TO 3FT/SEC

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MCVR84-030	25.4	30	3.9	3.90 +0.25 +0.00	25.40 +0.00 -0.05	30.00 +0.04 +0.00
MCVR84-035	30.4	35	3.9	3.90 +0.25 +0.00	30.40 +0.00 -0.06	35.00 +0.04 +0.00
MCVR84-040	32.8	40	3.4	3.40 +0.25 +0.00	32.80 +0.00 -0.06	40.00 +0.04 +0.00
MCVR84-045	39.5	45	4.5	4.50 +0.25 +0.00	39.50 +0.00 -0.06	45.00 +0.04 +0.00
MCVR84-050	44.4	50	6.2	6.20 +0.25 +0.00	44.40 +0.00 -0.06	50.00 +0.04 +0.00
MCVR84-060	54.6	60	6.2	6.20 +0.25 +0.00	54.60 +0.00 -0.07	60.00 +0.05 +0.00
MCVR84-070	64.4	70	6.2	6.20 +0.25 +0.00	64.40 +0.00 -0.07	70.00 +0.05 +0.00
MCVR84-075	69.6	75	6.5	6.50 +0.25 +0.00	69.60 +0.00 -0.07	75.00 +0.05 +0.00
MCVR84-080	74.6	80	6.5	6.50 +0.25 +0.00	74.60 +0.00 -0.07	80.00 +0.05 +0.00
MCVR84-085	80.8	85	5	5.00 +0.25 +0.00	80.80 +0.00 -0.07	85.00 +0.05 +0.00
MCVR84-090	80.1	90	7.8	7.80 +0.25 +0.00	80.10 +0.00 -0.07	90.00 +0.05 +0.00
MCVR84-095	86.4	95	9	9.00 +0.25 +0.00	86.40 +0.00 -0.09	95.00 +0.05 +0.00
MCVR84-100	91.4	100	9	9.00 +0.25 +0.00	91.40 +0.00 -0.09	100.00 +0.05 +0.00
MCVR84-105	95	105	7.8	7.80 +0.25 +0.00	95.00 +0.00 -0.09	105.00 +0.05 +0.00
MCVR84-110	101.4	110	9	9.00 +0.25 +0.00	101.40 +0.00 -0.09	110.00 +0.05 +0.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

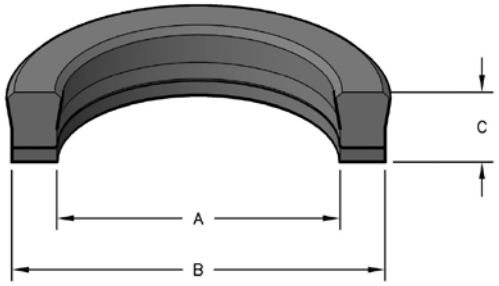
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MCVR84 COVER SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	H GROOVE DIAMETER	J BORE DIAMETER
MCVR84-120	110.8	120	8	8.00 +0.25 +0.00	110.80 +0.00 -0.09	120.00 +0.05 +0.00
MCVR84-125	116.4	125	9	9.00 +0.25 +0.00	116.40 +0.00 -0.09	125.00 +0.06 +0.00
MCVR84-130	123.7	130	4.2	4.20 +0.25 +0.00	123.70 +0.00 -0.09	130.00 +0.06 +0.00
MCVR84-135	126	135	9.1	9.10 +0.25 +0.00	126.00 +0.00 -0.09	135.00 +0.06 +0.00
MCVR84-140	130.8	140	9	9.00 +0.25 +0.00	130.80 +0.00 -0.10	140.00 +0.06 +0.00
MCVR84-145	139.1	145	4.9	4.90 +0.25 +0.00	139.10 +0.00 -0.10	145.00 +0.06 +0.00
MCVR84-150	141.9	150	9.2	9.20 +0.25 +0.00	141.90 +0.00 -0.10	150.00 +0.06 +0.00
MCVR84-160	149.5	160	7.3	7.30 +0.25 +0.00	149.50 +0.00 -0.10	160.00 +0.06 +0.00
MCVR84-170	160	170	7.3	7.30 +0.25 +0.00	160.00 +0.00 -0.10	170.00 +0.06 +0.00
MCVR84-180	170	180	7.3	7.30 +0.25 +0.00	170.00 +0.00 -0.10	180.00 +0.06 +0.00
MCVR84-190	180	190	7.3	7.30 +0.25 +0.00	180.00 +0.00 -0.10	190.00 +0.06 +0.00
MCVR84-200	191.4	200	7.8	7.80 +0.25 +0.00	191.40 +0.00 -0.10	200.00 +0.06 +0.00

STYLE MHSNB HEAD SEALS

This head seal design, comprised of a nitrile seal and hard urethane back-up ring is used in some mining applications.

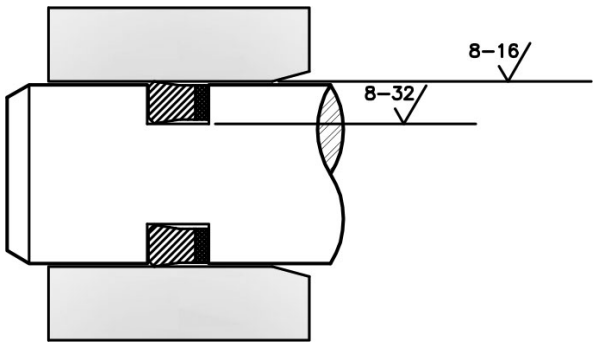


PART NUMBERS

MHSNB 123.5 X 133 X 8.4

Type of Seal | Inside Diameter | Outside Diameter | Height

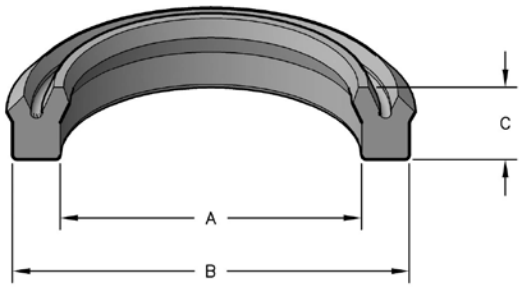
SEAL INFORMATION	
MATERIAL	NITRILE SEAL, HARD URETHANE BACK-UP
TEMPERATURE RANGE	-31° TO 230°F
PRESSURE RANGE	0 TO 7,250 PSI
SPEED	STATIC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MHSNB-123.5X133X8.4	123.5	133	8.4
MHSNB-138X152X10	138	152	10
MHSNB-150X163X12	150	163	12
MHSNB-165X180X12	165	180	12
MHSNB-185X200X12	185	200	12
MHSNB-218X230X12	218	230	12
MHSNB-223X238X12	223	238	12
MHSNB-228X243X12	228	243	12
MHSNB-260X275X15	260	275	15
MHSNB-270X285X15	270	285	15
MHSNB-295X310X15	295	310	15
MHSNB-317X330X12	317	330	12
MHSNB-325X340X15	325	340	15
MHSNB-370X385X15	370	385	15
MHSNB-406X420X16	406	420	16

STYLE MUHS HEAD SEALS

The MUHS u-ring profile head seal was developed for high water content fluids (HFA) applications, it can also be used with standard mineral oil fluids. Each nominal diameter seal can be used in a range of bores, noted below.

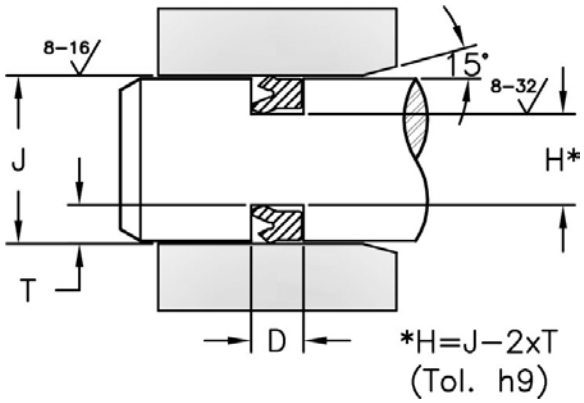


PART NUMBERS

MUHS 90 X 82 X 8.2

- MUHS: Type of Seal
- 90: Outside Diameter
- 82: Inside Diameter
- 8.2: Groove Width

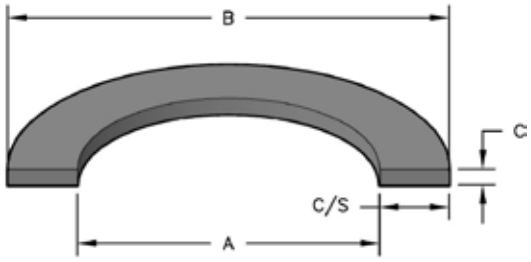
SEAL INFORMATION	
MATERIAL	40D POLYESTER ELASTOMER
TEMPERATURE RANGE	-22°F - +212°F +40°F - +140°F (HFA)
PRESSURE RANGE	0 TO 7,500 PSI
SPEED	STATIC



Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	D GROOVE WIDTH	T GROOVE DEPTH	J BORE DIAMETER RANGE
MUHS-90X82X8.2	82	90	8.2	8.20 +0.30 +0.00	4.00	90-91
MUHS-154X146X8.2	146	154	8.2	8.20 +0.30 +0.00	4.00	154-164
MUHS-216X208X8.2	208	216	8.2	8.20 +0.30 +0.00	4.00	216-225
MUHS-230X218.8X11.2	218.8	230	11.2	11.20 +0.30 +0.00	5.60	230-240
MUHS-290X278.8X11.2	278.8	290	11.2	11.20 +0.30 +0.00	5.60	290-300
MUHS-300X288.8X11.2	288.8	300	11.2	11.20 +0.30 +0.00	5.60	300-311
MUHS-312X302X10.3	302	312	10.3	10.30 +0.30 +0.00	5.00	312-322
MUHS-395X381.4X15	381.4	395	15	15.00 +0.30 +0.00	6.80	395-405
MUHS-420X406.4X15	406.4	420	15	15.00 +0.30 +0.00	6.80	420-430

STYLE MBT BACK-UP RINGS

Commonly used with metric o-rings, these back-up rings are made of virgin PTFE unless suffix specifies otherwise.



PART NUMBERS

MBT - 3 X 1.5 X 1.25

Type of Seal | Inside Diameter | Cross Section | Width

SEAL INFORMATION	
MATERIAL	PTFE
TEMPERATURE RANGE	-100° TO +500° F

STANDARD IS VIRGIN PTFE.
G= GLASS FILLED PTFE
B= BRONZE FILLED PTFE
CG= CARBON GRAPHITE FILLED PTFE
S= SPLIT RING

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
1mm C/S			
MBT-20X1X.85GM	20	22	.85
1.3mm C/S			
MBT-55X3X1.3S	55	61	3
1.5mm C/S			
MBT-3X1.5X1.25	3	6	1.25
MBT-4X1.5X1.25	4	7	1.25
MBT-5X1.5X1.25	5	8	1.25
MBT-6X1.5X1.25	6	9	1.25
MBT-7X1.5X1.25	7	10	1.25
MBT-8X1.5X1.25	8	11	1.25
MBT-9X1.5X1.25	9	12	1.25
MBT-10X1.5X1.25	10	13	1.25
MBT-13X1.5X1	13	16	1
2mm C/S			
MBT-10X2X1.25	10	14	1.25
MBT-11X2X1.25	11	15	1.25
MBT-12X2X1.25	12	16	1.25
MBT-12.5X2X1.25	12.5	16.5	1.25
MBT-13X2X1.2	13	17	1.2
MBT-14X2X1.25	14	18	1.25
MBT-15X2X1.25	15	19	1.25
MBT-16X2X1.25	16	20	1.25
MBT-18X2X1.25	18	22	1.25
MBT-20X2X1.25	20	24	1.25
MBT-21X2X1.25	21	25	1.25
MBT-22X2X1.25	22	26	1.25
MBT-26X2X2.5SG	26	30	2.5
MBT-28X2X1.5S	28	32	1.5
MBT-47X2X1.25	47	51	1.25
MBT-53X2X1.25	53	57	1.25
2.1mm C/S			
MBT-11.8X2.1X1	11.8	16	1
2.4mm C/S			
MBT-127.7X2.4X1.25G	127.7	132.5	1.25
2.5mm C/S			
MBT-20X2.5X1.25	20	25	1.25
MBT-25X2.5X1.25	25	30	1.25

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-30X2.5X1.25	30	35	1.25
MBT-32X2.5X1.5	32	37	1.5
MBT-35X2.5X1.25	35	40	1.25
MBT-40X2.5X1.25	40	45	1.25
MBT-45X2.5X1.25	45	50	1.25
MBT-46X2.5X1.25	46	51	1.25
MBT-50X2.5X1.25	50	55	1.25
MBT-50X2.5X1.25ST	50	55	1.25
MBT-55X2.5X1.25	55	60	1.25
MBT-56X2.5X1.25	56	61	1.25
MBT-57X2.5X1.5	57	62	1.5
MBT-60X2.5X1.25	60	65	1.25
MBT-62X2.5X1.25	62	67	1.25
MBT-65X2.5X1.25	65	70	1.25
MBT-70X2.5X1.25	70	75	1.25
MBT-75X2.5X1.25	75	80	1.25
MBT-77X2.5X1.25	77	82	1.25
MBT-80X2.5X1.25	80	85	1.25
MBT-81X2.5X1.5	81	86	1.5
MBT-85X2.5X1.25	85	90	1.25
MBT-88X2.5X1.3	88	93	1.3
MBT-90X2.5X1.25	90	95	1.25
MBT-90X2.5X1.5	90	95	1.5
MBT-95X2.5X1.25	95	100	1.25
MBT-99.8X2.5X1.5	99.8	104.8	1.5
MBT-100X2.5X1.25	100	105	1.25
MBT-105X2.5X1.25	105	110	1.25
MBT-109.7X2.5X1.5	109.7	114.7	1.5
MBT-110X2.5X1.25	110	115	1.25
MBT-115X2.5X1.25	115	120	1.25
MBT-120X2.5X1.25	120	125	1.25
MBT-125X2.5X1.25	125	130	1.25
MBT-130X2.5X1.25	130	135	1.25
MBT-135X2.5X1.25	135	140	1.25
MBT-140X2.5X1.25	140	145	1.25
MBT-145X2.5X1.25	145	150	1.25
MBT-155X2.5X1.5	155	160	1.5
2.6mm C/S			
MBT-73.7X2.6X1.5	73.7	78.9	1.5
MBT-74.4X2.6X1.8	74.4	79.6	1.8

STYLE MBT BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-104X2.6X1.5	104	109.2	1.5
2.75mm C/S			
MBT-35X2.75X1.5S	35	40.5	1.5
3mm C/S			
MBT-22X3X1.25	22	28	1.25
MBT-22.4X3X1.25	22.4	28.4	1.25
MBT-24X3X1.25	24	30	1.25
MBT-25X3X1.25	25	31	1.25
MBT-26X3X1.25	26	32	1.25
MBT-28X3X1.25	28	34	1.25
MBT-29X3X1.25	29	35	1.25
MBT-29.5X3X1.25	29.5	35.5	1.25
MBT-30X3X1.25	30	36	1.25
MBT-30X3X2.3	30	36	2.3
MBT-31X3X1.25	31	37	1.25
MBT-32X3X1.25	32	38	1.25
MBT-34X3X1.25	34	40	1.25
MBT-35X3X1.25	35	41	1.25
MBT-35.5X3X1.25	35.5	41.5	1.25
MBT-36X3X1.25	36	42	1.25
MBT-38X3X1.25	38	44	1.25
MBT-39X3X1.25	39	45	1.25
MBT-40X3X1.25	40	46	1.25
MBT-41X3X1.25	41	47	1.25
MBT-42X3X1.25	42	48	1.25
MBT-44X3X1.25	44	50	1.25
MBT-45X3X1.25	45	51	1.25
MBT-46X3X1.25	46	52	1.25
MBT-48X3X1.25	48	54	1.25
MBT-49X3X1.25	49	55	1.25
MBT-50X3X1.25	50	56	1.25
3.1mm C/S			
MBT-94.8X3.1X1.7	94.8	101	1.7
MBT-104.8X3.1X1.7	104.8	111	1.7
3.5mm C/S			
MBT-62X3.5X1.1	62	69	1.1
MBT-82X3.5X1.5G	82	89	1.5
MBT-90X3.5X1.5	90	97	1.5
4mm C/S			
MBT-25X4X1.5	25	33	1.5
MBT-123X4X1.7	123	131	1.7
MBT-150X4X1.6	150	158	1.6
4.5mm C/S			
MBT-170X4.5X1.9	170	179	1.9
MBT-190X4.5X1.9	190	199	1.9
5mm C/S			
MBT-35.25X5X3	35.25	45.25	3
MBT-50X5X1.9	50	60	1.9
MBT-52X5X1.9	52	62	1.9
MBT-53X5X1.9	53	63	1.9
MBT-55X5X1.9	55	65	1.9
MBT-55X5X3B	55	65	3
MBT-55.93X5X1.5	56	66	1.5
MBT-56X5X1.9	56	66	1.9
MBT-58X5X1.9	58	68	1.9

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBT-59.95X5X1.55	60	70	1.5
MBT-60X5X1.9	60	70	1.9
MBT-62X5X1.9	62	72	1.9
MBT-63X5X1.9	63	73	1.9
MBT-65X5X1.9	65	75	1.9
MBT-67X5X1.9	67	77	1.9
MBT-70X5X1.9	70	80	1.9
MBT-70X5X1.9S	70	80	1.9
MBT-70X5X1.9SB	70	80	1.9
MBT-70X5X3SGM	70	80	3
MBT-71X5X1.9	71	81	1.9
MBT-74X5X1.9	74	84	1.9
MBT-75X5X1.9	75	85	1.9
MBT-80X5X1.9	80	90	1.9
MBT-80X5X1.9-B6	80	90	1.9
MBT-80X5X3SCG	80	90	3
MBT-85X5X1.9	85	95	1.9
MBT-90X5X1.9	90	100	1.9
MBT-93X5X1.7	93	103	1.7
MBT-95X5X1.9	95	105	1.9
MBT-100X5X1.9	100	110	1.9
MBT-105X5X1.9	105	115	1.9
MBT-110X5X1.9	110	120	1.9
MBT-112X5X1.9	112	122	1.9
MBT-115X5X1.9	115	125	1.9
MBT-120X5X1.9	120	130	1.9
MBT-125X5X1.9	125	135	1.9
MBT-130X5X1.9	130	140	1.9
MBT-132X5X1.9	132	142	1.9
MBT-135X5X1.9	135	145	1.9
MBT-140X5X1.9	140	150	1.9
MBT-145X5X1.9	145	155	1.9
MBT-150X5X1.9	150	160	1.9
MBT-155X5X1.9	155	165	1.9
MBT-160X5X1.9	160	170	1.9
MBT-162X5X1.9	162	172	1.9
MBT-165X5X1.9	165	175	1.9
MBT-170X5X1.9	170	180	1.9
MBT-180X5X1.9	180	190	1.9
MBT-180X5X2.5	180	190	2.5
MBT-185X5X1.9	185	195	1.9
MBT-190X5X1.9	190	200	1.9
MBT-195X5X1.9	195	205	1.9
MBT-200X5X1.9	200	210	1.9
MBT-210X5X1.9	210	220	1.9
MBT-214X5X1.9	214	224	1.9
MBT-215X5X1.9	215	225	1.9
MBT-220X5X1.9	220	230	1.9
MBT-230X5X1.9	230	240	1.9
MBT-240X5X1.9	240	250	1.9
MBT-250X5X1.9	250	260	1.9
MBT-260X5X1.9	260	270	1.9
MBT-270X5X1.9	270	280	1.9
MBT-275X5X1.9	275	285	1.9
MBT-280X5X1.9	280	290	1.9
MBT-290X5X1.9	290	300	1.9
MBT-300X5X1.9	300	310	1.9

STYLE MBT BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
6mm C/S			
MBT-325X6X3.5	325	337	3.5
7.4mm C/S			
MBT-100X7.5X2.5SB	100	114.8	2.5
7.5mm C/S			
MBT-95X7.5X3GM	95	110	3
MBT-112X7.5X3SCG	112	127	3
MBT-150X7.5X2.75	150	165	2.75
MBT-155X7.5X2.75	155	170	2.75
MBT-160X7.5X2.75	160	175	2.75
MBT-165X7.5X2.75	165	180	2.75
MBT-170X7.5X2.75	170	185	2.75
MBT-175X7.5X2.75	175	190	2.75
MBT-180X7.5X2.75	180	195	2.75
MBT-185X7.5X2.75	185	200	2.75
MBT-190X7.5X2.75	190	205	2.75
MBT-195X7.5X2.75	195	210	2.75
MBT-200X7.5X2.75	200	215	2.75
MBT-205X7.5X2.75	205	220	2.75
MBT-209X7.5X2.75	209	224	2.75
MBT-210X7.5X2.5	210	225	2.5
MBT-210X7.5X2.75	210	225	2.75
MBT-235X7.5X2.75	235	250	2.75
MBT-240X7.5X2.75	240	255	2.75
MBT-245X7.5X2.75	245	260	2.75
MBT-255X7.5X2.75	255	270	2.75
MBT-265X7.5X2.75	265	280	2.75
MBT-275X7.5X2.75	275	290	2.75
MBT-280X7.5X2.75	280	295	2.75
MBT-285X7.5X2.75	285	300	2.75
MBT-300X7.5X2.75	300	315	2.75
7.88mm C/S			
MBT-54X7.88X3	54.04	69.8	3
12.5mm C/S			
MBT-170X12.5X4SB	170	195	4
MBT-180X12.5X4SB	180	205	4

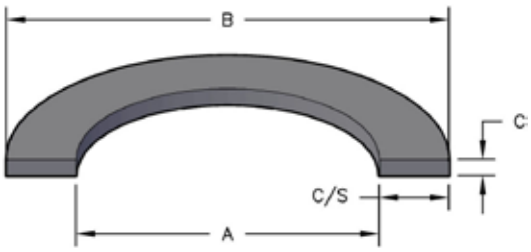
Seal color may vary.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

STYLE MBU BACK-UP RINGS



PART NUMBERS

MBT - 6 X 2 X 1.3

Type of Seal | Inside Diameter | Cross Section | Width

SEAL INFORMATION	
MATERIAL	95A DUROMETER URETHANE
TEMPERATURE RANGE	-40° TO +200° F

NOTE:
50D Urethane is 50 shore D
60D Urethane is 60 shore D
70D Urethane is 70 shore D

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
1.5mm C/S			
MBU-82X1.5X2.5-60D	82	85	2.5
2mm C/S			
MBU-6X2X1.3	6	10	1.3
MBU-14X2X1.3	14	18	1.3
MBU-16X2X1.3	16	20	1.3
MBU-28X2X1.2	28	32	1.2
2.4mm C/S			
MBU-50.2X2.4X1.25-70D	50	54.8	1.25
MBU-55X2.4X1.25-70D	55	59.8	1.25
MBU-60.5X2.4X1.25-70D	60.5	65.3	1.25
MBU-71X2.4X1.3-70D	71	75.8	1.3
MBU-81X2.4X1.3-70D	81	85.8	1.3
MBU-86X2.4X1.3-70D	86	90.8	1.3
MBU-96X2.4X1.3-70D	96	100.8	1.3
MBU-105X2.4X1.25-70D	105	109.8	1.25
MBU-106X2.4X1.3-70D	106	110.8	1.3
MBU-115.7X2.4X1.25-70D	115.7	120.5	1.25
MBU-121X2.4X1.3-70D	121	125.8	1.3
MBU-126X2.4X1.3-70D	126	130.8	1.3
MBU-134.9X2.4X1.5-70D	134.9	139.7	1.5
MBU-135.6X2.4X1.25-70D	135.6	140.4	1.25
MBU-140.8X2.4X1.3-70D	140.8	145.6	1.3
2.5mm C/S			
MBU-25X2.5X1.3	25	30	1.3
MBU-27X2.5X1.3	27	32	1.3
MBU-30X2.5X1.3	30	35	1.3
MBU-33X2.5X1.5	33	38	1.5
MBU-35X2.5X1.25-70D	35	40	1.25
MBU-35X2.5X1.3	35	40	1.3
MBU-37X2.5X1.3	37	42	1.3
MBU-40X2.5X1.3	40	45	1.3
MBU-40X2.5X1.3-70D	40	45	1.3
MBU-43X2.5X1.3	43	48	1.3
MBU-45X2.5X1.3	45	50	1.3
MBU-45X2.5X1.3-70D	45	50	1.3
MBU-47X2.5X1.3	47	52	1.3
MBU-47X2.5X1.3-70D	47	52	1.3
MBU-50X2.5X1.3	50	55	1.3

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBU-52X2.5X1.5-60D	52	57	1.5
MBU-52X2.5X1.6-70D	52	57	1.6
MBU-55X2.5X1.3	55	60	1.3
MBU-55X2.5X1.6-60D	55	60	1.6
MBU-57X2.5X1.5-60D	57	62	1.5
MBU-58X2.5X1.3	58	63	1.3
MBU-60.13X2.5X1.27-70D	60	65	1.3
MBU-60X2.5X1.3	60	65	1.3
MBU-60X2.5X1.5-70D	60	65	1.5
MBU-62X2.5X1.3	62	67	1.3
MBU-62X2.5X1.65-70D	62	67	1.65
MBU-65X2.5X1.25-70D	65	70	1.25
MBU-65X2.5X1.3	65	70	1.3
MBU-66X2.5X1.27-70D	66	71	1.3
MBU-67X2.5X1.5-60D	67	72	1.5
MBU-70X2.5X1.3	70	75	1.3
MBU-70X2.5X1.3-70D	70	75	1.3
MBU-72X2.5X1.5-60D	72	77	1.5
MBU-72X2.5X1.6-70D	72	77	1.6
MBU-72.5X2.5X1.3	72.5	77.5	1.3
MBU-75X2.5X1.25-70D	75	80	1.25
MBU-75X2.5X1.3	75	80	1.3
MBU-75X2.5X2.25	75	80	2.25
MBU-76X2.5X1.3-70D	76	81	1.3
MBU-77X2.5X1.5-60D	77	82	1.5
MBU-77X2.5X1.6-70D	77	82	1.6
MBU-80X2.5X1.3	80	85	1.3
MBU-85X2.5X1.25-70D	85	90	1.25
MBU-85X2.5X1.3	85	90	1.3
MBU-87X2.5X1.5	87	92	1.5
MBU-87X2.5X1.5-60D	87	92	1.5
MBU-90X2.5X1.25-70D	90	95	1.25
MBU-90X2.5X1.3	90	95	1.3
MBU-90X2.5X1.5-60D	90	95	1.5
MBU-91X2.5X1.3-70D	91	96	1.3
MBU-92X2.5X1.5-60D	92	97	1.5
MBU-92X2.5X1.6-70D	92	97	1.6
MBU-92.5X2.5X2.1	92.5	97.5	2.1
MBU-95X2.5X1.25-70D	95	100	1.25
MBU-95X2.5X1.3	95	100	1.3

STYLE MBU BACK-UP RINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBU-97X2.5X1.5-60D	97	102	1.5
MBU-98X2.5X1.3	98	103	1.3
MBU-100X2.5X1.25-70D	100	105	1.25
MBU-100X2.5X1.3	100	105	1.3
MBU-102X2.5X1.5-60D	102	107	1.5
MBU-105X2.5X1.3	105	110	1.3
MBU-105X2.5X1.6-60D	105	110	1.6
MBU-107X2.5X1.5-60D	107	112	1.5
MBU-110X2.5X1.25-70D	110	115	1.25
MBU-110X2.5X1.3	110	115	1.3
MBU-110X2.5X1.5	110	115	1.5
MBU-115X2.5X1.3	115	120	1.3
MBU-115X2.5X1.6-60D	115	120	1.6
MBU-119.6X2.5X1.5-70D	119.6	124.6	1.5
MBU-120X2.5X1.25-70D	120	125	1.25
MBU-120X2.5X1.3	120	125	1.3
MBU-121X2.5X1.3-70D	121	126	1.3
MBU-125X2.5X1.25-70D	125	130	1.25
MBU-125X2.5X1.3	125	130	1.3
MBU-125X2.5X1.5	125	130	1.5
MBU-129.7X2.5X1.5-70D	129.7	134.7	1.5
MBU-130X2.5X1.25-70D	130	135	1.25
MBU-130X2.5X1.3	130	135	1.3
MBU-135X2.5X1.5	135	140	1.5
MBU-139.7X2.5X1.5-70D	139.7	144.7	1.5
MBU-140X2.5X1.3	140	145	1.3
MBU-146X2.5X1.3-70D	146	151	1.3
3mm C/S			
MBU-42.5X3X1.3-70D	42.5	48.5	1.3
MBU-53.3X3X1	53.3	59.3	1
3.5mm C/S			
MBU-47X3.5X1.1	47	54	1.1
MBU-56X3.5X1.25	56	63	1.25
MBU-66X3.5X1.2	66	73	1.2
MBU-72X3.5X1.25	72	79	1.25
MBU-76X3.5X1.1	76	83	1.1
4.4mm C/S			
MBU-132X4.4X1.94-70D	132	140.8	1.935
4.5mm C/S			
MBU-162X4.5X1.9-70D	162	171	1.9
4.9mm C/S			
MBU-70X4.9X1.9-70D	70	79.8	1.9
MBU-80X4.9X1.9-70D	80	89.8	1.9
MBU-85X4.9X1.9-70D	85	94.8	1.9
MBU-90X4.9X1.9-70D	90	99.8	1.9
MBU-110X4.9X1.9-70D	110	119.8	1.9
MBU-121X4.9X1.9-70D	121	130.8	1.9
MBU-126X4.9X1.9-70D	126	135.8	1.9
MBU-141X4.9X1.9-70D	141	150.8	1.9
MBU-151X4.9X1.9-70D	151	160.8	1.9
MBU-176X4.9X1.9-70D	176	185.8	1.9
MBU-201X4.9X1.9-70DS	201	210.8	1.9
5mm C/S			
MBU-35X5X3.05-70D	35	45	3.05
MBU-50X5X1.7	50	60	1.7
MBU-53X5X1.7	53	63	1.7

Seal color may vary.

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht
MBU-55X5X1.7	55	65	1.7
MBU-60X5X1.7	60	70	1.7
MBU-75X5X1.7	75	85	1.7
MBU-77X5X1.7	77	87	1.7
MBU-78X5X1.7	78	88	1.7
MBU-85X5X1.7	85	95	1.7
MBU-90X5X1.7	90	100	1.7
MBU-95X5X1.7	95	105	1.7
MBU-100X5X1.7	100	110	1.7
MBU-110X5X1.7	110	120	1.7
MBU-115X5X1.7	115	125	1.7
MBU-120X5X1.7	120	130	1.7
MBU-130X5X1.7	130	140	1.7
MBU-135X5X1.7	135	145	1.7
MBU-140X5X1.7	140	150	1.7
MBU-145X5X1.7	145	155	1.7
MBU-150X5X1.7	150	160	1.7
MBU-155X5X1.7	155	165	1.7
MBU-160X5X1.7	160	170	1.7
MBU-160X5X2.5-70D	160	170	2.5
MBU-170X5X1.7	170	180	1.7
MBU-170X5X2.5-70D	170	180	2.5
MBU-175X5X1.7	175	185	1.7
MBU-175X5X1.9	175	185	1.9
MBU-180X5X1.7	180	190	1.7
MBU-180X5X2.5-70D	180	190	2.5
MBU-190X5X1.7	190	200	1.7
MBU-190X5X2.65-70D	190	200	2.65
MBU-204.5X5X2.55-70D	204.5	214.5	2.55
MBU-215X5X2.5-70D	215	225	2.5
MBU-220X5X2.5-70D	219.5	229.5	2.5
MBU-245X5X2	245	255	2
MBU-250X5X2.5-70D	249.5	259.5	2.5
7.1mm C/S			
MBU-215X7.1X2.1	215	229.2	2.1
MBU-235X7.1X2.1	235	249.2	2.1
MBU-245X7.1X2.1	245	259.2	2.1
7.5mm C/S			
MBU-60X7.5X1.7	60	75	1.7
MBU-145X7.5X2.5	145	160	2.5
MBU-155X7.5X1.7	155	170	1.7
MBU-165X7.5X2.1	165	180	2.1
MBU-175X7.5X2.1	175	190	2.1
MBU-185.1X7.5X2.1-70D	185	200	2.1
MBU-185X7.5X2.5	185	200	2.1
MBU-205X7.5X2.1	205	220	2.1
MBU-215X7.5X2.8-70D	214.6	229.6	2.8
MBU-225X7.5X2.8-70D	225	240	2.8
MBU-225.3X7.5X2.1	225.3	240	2.1
MBU-245X7.5X2.8-70D	245	260	2.8
10mm C/S			
MBU-140X10X4-70D	140	160	4
MBU-160X10X4-70D	160	180	4

LOCK WIRE AND RETAINER RINGS

Lock Wire

Part Number	Sale Unit	LENGTH	th THICKNESS
MLW-2	BY THE INCH	N/A	2.00
MLW-3	IN 250mm SECTIONS	250.00	3.00

Note - The profile is round.

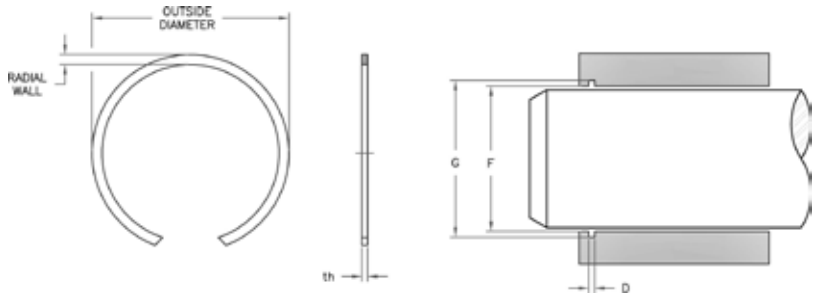
Spiral Type Retainer Rings



Part Number	J BORE DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
MSL-32	32.00	34.50	.80	
MSL-34	34.00	36.30	.62	
MSL-54	52.00	54.80	.80	
MSL-58	58.00	60.30	1.50	2.30
MSL-75	75.00	75.50	1.00	4.00
MSL-74	74.00	77.50	1.00	

Internal Retainer Rings





Part Number	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS	RADIAL WALL
MNAN-037X2.3X1.5	1.60	37.00	38.20 +0.16 +0.00	38.80	1.50 +0.00 -0.10	2.30 +0.00 -0.10
MNAN-038	1.60	38.00	39.20 +0.16 +0.00	39.80	1.50 +0.00 -0.10	2.30 +0.00 -0.10
MNAN-045	1.60	45.00	46.20 +0.16 +0.00	46.80	1.50 +0.00 -0.10	2.30 +0.00 -0.10
MNAN-053X2.3X1.5	1.60	53.00	54.50 +0.19 +0.00	55.30	1.50 +0.00 -0.10	2.30 +0.00 -0.10
MNAN-058	1.60	58.00	59.50 +0.19 +0.00	60.30	1.50 +0.00 -0.10	2.30 +0.00 -0.10
MNAN-083	2.20	83.00	84.80 +0.22 +0.00	85.60	2.00 +0.00 -0.10	2.80 +0.00 -0.10
MNAN-102	2.70	102.00	104.30 +0.22 +0.00	105.30	2.50 +0.00 -0.10	3.40 +0.00 -0.10
MNAN-117	2.70	117.00	119.30 +0.22 +0.00	120.40	2.50 +0.00 -0.10	3.40 +0.00 -0.10

RETAINER RINGS

Internal Retainer Rings



Part Number	D GROOVE WIDTH	F THROAT DIAMETER	G HOUSING DIAMETER	OUTSIDE DIAMETER	th THICKNESS
M300-28	1.30 +0.15 +0.00	28.00	29.39 +0.20 +0.00	30.10 +0.51 -0.25	1.19 +0.00 -0.05
M300-30	1.30 +0.15 +0.00	30.00	31.39 +0.25 +0.00	32.11 +0.51 -0.25	1.19 +0.00 -0.05
M300-32	1.30 +0.15 +0.00	32.00	33.71 +0.25 +0.00	34.39 +0.51 -0.25	1.19 +0.00 -0.05
M300-42	1.85 +0.15 +0.00	42.00	44.50 +0.25 +0.00	45.49 +0.89 -0.38	1.75 +0.00 -0.05
M300-45	1.85 +0.15 +0.00	45.00	47.50 +0.25 +0.00	48.49 +0.89 -0.38	1.75 +0.00 -0.05
M300-47	1.85 +0.15 +0.00	47.00	49.50 +0.25 +0.00	50.50 +1.09 -0.46	1.75 +0.00 -0.05
M300-48	1.85 +0.15 +0.00	48.00	50.50 +0.30 +0.00	51.51 +1.09 -0.46	1.75 +0.00 -0.05
M300-50	2.16 +0.15 +0.00	50.00	53.01 +0.30 +0.00	54.20 +1.09 -0.46	2.01 +0.00 -0.08
M300-52	2.16 +0.15 +0.00	52.00	54.99 +0.30 +0.00	56.21 +1.09 -0.46	2.01 +0.00 -0.08
M300-55	2.16 +0.15 +0.00	55.00	57.99 +0.30 +0.00	59.21 +1.09 -0.46	2.01 +0.00 -0.08
M300-60	2.16 +0.15 +0.00	60.00	62.99 +0.30 +0.00	64.21 +1.09 -0.46	2.01 +0.00 -0.08
M300-62	2.16 +0.15 +0.00	62.00	65.00 +0.30 +0.00	66.19 +1.09 -0.46	2.01 +0.00 -0.08
M300-65	2.64 +0.15 +0.00	65.00	68.00 +0.30 +0.00	69.19 +1.09 -0.46	2.49 +0.00 -0.08
M300-70	2.64 +0.15 +0.00	70.00	73.00 +0.30 +0.00	74.50 +1.09 -0.46	2.49 +0.00 -0.08
M300-72	2.64 +0.15 +0.00	72.00	75.01 +0.30 +0.00	76.50 +1.09 -0.46	2.49 +0.00 -0.08
M300-75	2.65 +0.14 -0.01	75.00	78.00 +0.30 +0.00	79.50 +1.10 -0.45	2.50 +0.00 -0.07
M300-80	2.64 +0.15 +0.00	80.00	83.49 +0.36 +0.00	85.50 +1.30 -0.53	2.49 +0.00 -0.08
M300-82	2.64 +0.15 +0.00	82.00	85.50 +0.36 +0.00	87.50 +1.30 -0.53	2.49 +0.00 -0.08
M300-130	4.14 +0.18 +0.00	130.00	134.01 +0.64 +0.00	137.01 +1.50 -0.64	4.00 +0.00 -0.10

RETAINER RINGS

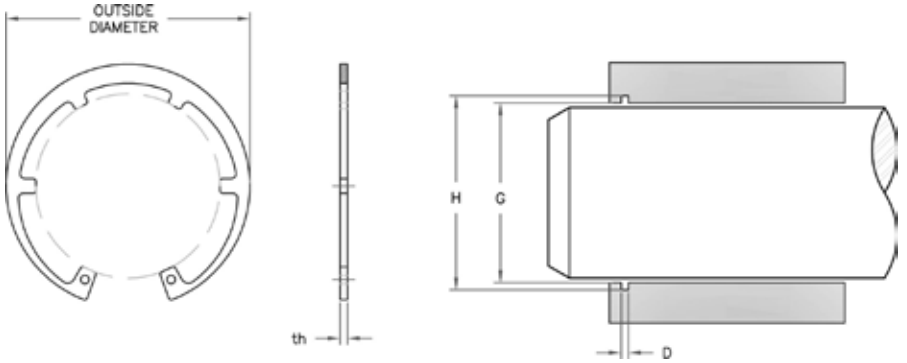
External Retainer Rings



Part Number	D GROOVE WIDTH	E SHAFT DIAMETER	H GROOVE DIAMETER	INSIDE DIAMETER	th THICKNESS
M310-13	1.10 +0.14 +0.00	13.00	12.40 +0.00 -0.11	11.90 +0.18 -0.36	1.00 +0.00 -0.06
M310-14	1.10 +0.14 +0.00	14.00	13.40 +0.00 -0.11	12.90 +0.18 -0.36	1.00 +0.00 -0.06
M310-25	1.30 +0.14 +0.00	25.00	23.90 +0.00 -0.21	23.20 +0.21 -0.42	1.20 +0.00 -0.06
M310-28	1.60 +0.14 +0.00	28.00	26.60 +0.00 -0.21	25.90 +0.21 -0.42	1.50 +0.00 -0.06
M310-30	1.60 +0.14 +0.00	30.00	28.60 +0.00 -0.21	27.90 +0.21 -0.42	1.50 +0.00 -0.06
M310-35	1.60 +0.14 +0.00	35.00	33.00 +0.00 -0.25	32.20 +0.25 -0.50	1.50 +0.00 -0.06
M310-45	1.85 +0.14 +0.00	45.00	42.50 +0.00 -0.25	41.50 +0.39 -0.90	1.75 +0.00 -0.06
M310-47	1.85 +0.14 +0.00	47.00	44.50 +0.00 -0.25	43.50 +0.39 -0.90	1.75 +0.00 -0.06
M310-50	2.15 +0.14 +0.00	50.00	47.00 +0.00 -0.25	45.80 +0.39 -0.90	2.00 +0.00 -0.06
M310-60	2.15 +0.14 +0.00	60.00	57.00 +0.00 -0.30	55.80 +0.46 -1.10	2.00 +0.00 -0.06
M310-65	2.65 +0.14 +0.00	65.00	62.00 +0.00 -0.30	60.80 +0.46 -1.10	2.50 +0.00 -0.06
M310-70	2.65 +0.14 +0.00	70.00	67.00 +0.00 -0.30	65.50 +0.46 -1.10	2.50 +0.00 -0.06
M310-75	2.65 +0.14 +0.00	75.00	72.00 +0.00 -0.30	70.50 +0.46 -1.10	2.50 +0.00 -0.06
MXAN-080	3.53 +0.15 +0.00	80.00	75.67 ±0.15	74.83 +0.00 -1.57	3.18 ±0.05
M310-95	3.15 +0.14 +0.00	95.00	91.50	89.50 +0.46 -1.10	3.00 +0.00 -0.06

DHT STYLE INTERNAL RETAINER RINGS

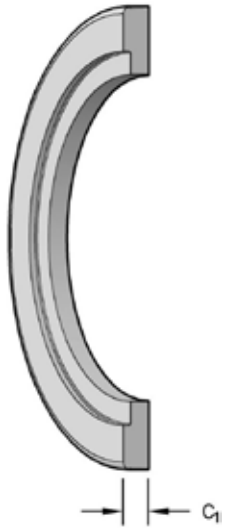




Part Number	D GROOVE WIDTH	G HOUSING DIAMETER	H GROOVE DIAMETER	OUTSIDE DIAMETER	th THICKNESS
M300-35DHT	1.60	35.00	37.00 +0.25 +0.00	37.80 +0.50 -0.25	1.50 +0.00 -0.06
M300-40DHT	1.85	40.00	42.50 +0.25 +0.00	43.50 +0.90 -0.39	1.75 +0.00 -0.06
M300-52DHT	2.15	52.00	55.00 +0.30 +0.00	56.20 +1.10 -0.46	2.00 +0.00 -0.07
M300-62DHT	2.15	62.00	65.00 +0.30 +0.00	66.20 +1.10 -0.46	2.00 +0.00 -0.07
M300-72DHT	2.65	72.00	75.00 +0.30 +0.00	76.50 +1.10 -0.46	2.50 +0.00 -0.07

STYLE MSR U-SEAL RETAINER RINGS

These rings are split for ease of installation and are retained in a groove. Their use is primarily to retain single acting piston seals. Commonly are used with MUFN style piston seals.

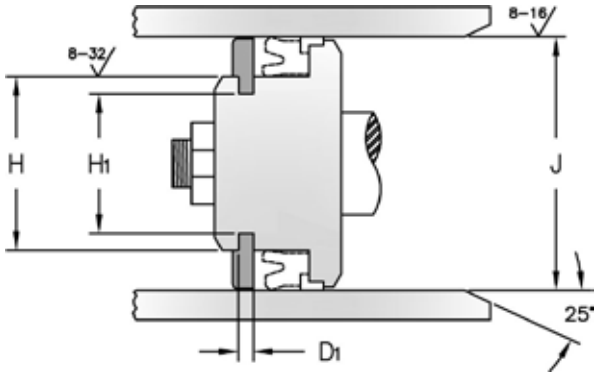


PART NUMBERS

MSR - 63 X 50

Type of Seal | Outside Diameter | Inside Diameter

SEAL INFORMATION	
MATERIAL	ACETAL
TEMPERATURE RANGE	-22° TO +212° F



Part Number	C_1 OVERALL HEIGHT	D_1 BEARING GROOVE WIDTH	H GROOVE DIAMETER	H_1 BEARING GROOVE DIAMETER	J BORE DIAMETER
MSR-63X50	6.48 ±0.13	3.30 +0.13 +0.00	50.00	45.80	63.00
MSR-70X50	6.48 ±0.13	3.30 +0.13 +0.00	50.00	45.80	70.00
MSR-90X70	6.48 ±0.13	3.30 +0.13 +0.00	70.00	65.80	90.00
MSR-104.5X85	6.48 ±0.13	3.30 +0.13 +0.00	85.00	80.80	104.50
MSR-105X85	6.48 ±0.13	4.60 +0.13 +0.00	85.00	80.80	105.00
MSR-110X90	6.48 ±0.13	3.30 +0.13 +0.00	90.00	85.80	110.00

NOTES

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Repair Accessories

Contents Page

Plastic Cap Plugs	738 - 742
Bolted Split Flange Protectors	742
Face and Thread Seals	743 - 744
Connector Rings	745
Wave Springs and Carbon Steel Shims	746 - 747
Lock Nuts	748 - 749
Self Aligning Bearings	750 - 751
Set Screws and Wind-In Lock Wires	752
Nylon and Filter Vent Plugs	752
Steel Plugs and Vents	753
Port Plugs and Manual Bleeder Valves	754
Split Tension Bushings	755
Adhesives and Seal Lube	756
PTFE and Silicone Tape	757
Grease Fittings and Caps	757
Cotter Pins	757
Couplings	758

PLASTIC CAP PLUGS

CAP PLUG APPLICATION CHART

CAP-	NPT		INCH THREAD		METRIC THREAD	
	CAPS	PLUGS	CAPS	PLUGS	CAPS	PLUGS
00				10/32	M2,M2.5	M5
0				1/4	M3,M3.5	M6
1				5/16	M5	M8x1
1-X					M6	
2			15/64	3/8	M7	M10x1.25
2-X		1/8				
3				7/16	M8x1	M12
3-X			3/8			M12x1.25
4	1/8	1/4		1/2	M10x1.25	M14
4-X			7/16			M14x1.5
5			1/2	9/16		
5-X					M12x1.25	M16
6	1/4			5/8		
6-X		3/8	9/16			M18
7			5/8		M14x1.5	M18x1.5
7-X						
8				3/4		M20
8-X	3/8				M16x1.5	M20x1.5
9		1/2				M22
9-X			3/4			M22x1.5
10				7/8	M18x1.5	M24
11	1/2					M24x2
11-X			7/8		M20x1.5	
12		3/4				
12-X				1-1/16	M22x1.5	M27x2
13	3/4				M24x2	
13-X			1-1/16			M30x2
14		1			M27x2	M33
17		1-1/4			M36x3	
17-S				1-5/8		
18	1-1/4		1-5/8	1-3/4	M39x3	
19		1-1/2		1-7/8		
20	1-1/2		1-7/8			
20-S						
21						
220						
230			2-1/4			
24-S		2				
240	2					
250			2-1/2			



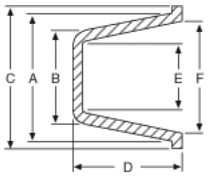
This style cap plug is equipped with a handy fold-down pull ring.

Tapered Caps & Plugs With Pull Ring

Part Number	NPT Port Size	OD Size Tapered	HT	Min Std Pkg
CAP-PR-9	1/8	.337/.375	1/4	50
CAP-PR-12	1/4	.436/.475	1/4	50
CAP-PR-17	3/8	.552/.615	3/8	50
CAP-PR-22	1/2	.668/.767	1/2	40
CAP-PR-27X	3/4	.878/.977	1/2	40
CAP-PR-32	1	1.113/1.212	1/2	25
CAP-PR-39	1-1/4	1.505/1.580	1/2	25
CAP-PR-43	1-1/2	1.780/1.860	1/2	20
CAP-PR-50	2	2.226/2.258	1/2	20

PLASTIC CAP PLUGS





Tapered Caps & Plugs For Misc. Applications

Part Number	A	B	C	D	E	F
CAP-00	.180	.115	5/16	13/32	.051	.118
CAP-0	.240	.175	3/8	3/8	.109	.175
CAP-0-X	0.275	0.209	7/16	3/8	0.150	0.209
CAP-1	.302	.240	15/32	3/8	.175	.240
CAP-1-X	.335	.265	15/32	3/8	.240	.275
CAP-2	.365	.300	17/32	3/8	.234	.301
CAP-3	.428	.360	19/32	3/8	.299	.365
CAP-3-X	.460	.390	5/8	3/8	.325	.396
CAP-4-X	.512	.447	5/8	3/8	.385	.448
CAP-5	.547	.490	23/32	1/2	.409	.485
CAP-5-X	.568	.500	3/4	7/16	.435	.503
CAP-6	.620	.531	3/4	1/2	.468	.555
CAP-6A-X	0.576	0.500	0.720	0.470	0.440	0.516
CAP-7	.675	.590	7/8	17/32	.520	.605
CAP-7-X	.695	.610	27/32	1/5	.549	.634
CAP-8	.728	.641	7/8	1/2	.575	.665
CAP-8-X	.754	.675	7/8	5/8	.615	.690
CAP-9-X	.925	.725	1	3/4	.662	.760
CAP-10	.848	.750	1-1/32	5/8	.686	.785
CAP-11	.910	.802	1-3/32	3/4	.740	.846
CAP-11-X	.931	.820	1-1/8	5/8	.754	.868
CAP-12A-X	0.973	0.856	1-1/8	3/4	0.768	0.906
CAP-13	1.091	.966	1-1/4	3/4	.902	1.025
CAP-13-X	1.145	1.002	1-5/16	3/4	.938	1.079
CAP-14-X	1.285	1.180	1-7/16	3/4	1.105	1.215
CAP-16A-X	1.312	1.276	1.380	0.560	1.155	1.190
CAP-17A-X	1.507	1.344	1-3/4	15/16	1.282	1.450
CAP-18	1.680	1.560	1-7/8	3/4	1.497	1.620
CAP-20	1.958	1.806	2.125	1	1.745	1.893
CAP-20-X	2.310	1.940	2.470	0.880	1.875	2.255
CAP-21	2.078	1.902	2-1/4	1	1.839	2.015
CAP-38	1.045	.980	1-1/4	1/2	.916	.984
CAP-220	2.132	1.980	2-1/4	1	1.915	2.068
CAP-230	2.330	2.156	2-5/8	1	2.094	2.264
CAP-240	2.465	2.300	2-5/8	1	2.235	2.400
CAP-250	2.605	2.395	2-5/8	1	2.331	2.541

Tapered Caps & Plugs For NPT Style Ports

Part Number	NPT Port Size	OD Size Tapered	HT	Min Std Pkg
CAP-2-X	1/8	.330/.396	3/8	50
CAP-4	1/4	.419/.485	3/8	50
CAP-6-X	3/8	.550/.631	7/16	50
CAP-9	1/2	.690/.788	9/16	50
CAP-12	3/4	.870/.975	5/8	120
CAP-12-X	3/4	.915/1.040	11/16	25
CAP-14	1	1.094/1.215	3/4	25
CAP-15	1	1.225/1.355	3/4	3
CAP-15-X	1	1.235/1.350	3/4	25
CAP-17	1-1/4	1.450/1.600	3/4	60
CAP-17-S	1-1/4	1.513/1.600	1/2	25
CAP-19	1-1/2	1.735/1.870	3/4	25
CAP-20-S	1-1/2	1.781/1.805	3/8	25
CAP-24-S	2	2.230/2.260	1/2	20

MCAP Tapered Caps & Plugs For Misc. Applications



Part Number	A mm	B mm	C mm	D mm	E mm	F mm
CAP-M10X1	13.00	11.35	15.88	10.32	9.78	11.38
CAP-M12X1	14.43	12.70	19.05	11.11	11.05	12.78
CAP-M12X1.5	14.63	12.70	18.29	11.94	11.18	13.11
CAP-M14X1.5	17.15	14.99	22.23	13.49	13.21	15.37
CAP-M16X1.5	19.15	17.15	22.23	15.88	15.62	17.53
CAP-M18X1.5	21.54	19.05	26.19	15.88	17.42	19.74
CAP-M20X1.5	24.71	21.74	28.58	19.05	19.51	23.01
CAP-M22X1.5	26.42	22.73	29.37	19.05	21.13	24.77
CAP-M25X1.5	29.08	25.45	33.34	19.05	23.83	27.41
CAP-M26X1.5	29.08	25.45	33.34	19.05	23.83	27.41
CAP-M27	31.12	29.19	38.50	19.05	26.37	29.97
CAP-M28X1.5	32.81	29.59	36.10	19.05	27.69	30.61
CAP-M30X2	33.32	32.41	35.05	14.22	29.34	30.23
CAP-M35	38.53	34.14	44.45	23.81	32.56	36.83
CAP-M39	42.49	39.62	47.63	19.05	38.02	41.15
CAP-M4	6.99	5.31	11.11	9.53	3.81	5.31
CAP-M42X2	44.45	40.79	49.21	19.05	39.83	42.80
CAP-M45	49.73	45.87	53.98	25.40	44.32	48.08
CAP-M48	58.67	49.28	62.74	22.35	47.63	57.28
CAP-M5	7.67	6.1	11.91	9.53	4.45	6.1
CAP-M6	8.51	6.73	11.91	9.53	5.18	6.99
CAP-M8X1	10.87	9.14	15.08	9.53	7.59	9.27

PLASTIC CAP PLUGS



Female Threaded Cap Plugs for J.I.C. Fittings

Part Number	Std Thread Size	O.D. Size Tube	Dash Size	Min Std Pkg
CAP-G-2	7/16-20	1/4	#4	20
CAP-G-8	9/16-18	3/8	#6	20
CAP-G-14	3/4-16	1/2	#8	20
CAP-G-18	7/8-14	5/8	#10	20
CAP-G-20	7/8-18	5/8	#10	20
CAP-G-22	1-1/16-12	3/4	#12	20
CAP-G-25	1-3/16-12	7/8	#14	20
CAP-G-27	1-5/16-12	1	#16	20



O-Ring Face Fitting Caps

These low density polyethylene caps are designed to fit female o-ring face seals.

Part Number	Thread Size	Min Std Pkg
CAP-OR-4	9/16-18	35
CAP-OR-6	11/16-16	25
CAP-OR-8	13/16-16	25
CAP-OR-10	1-14	25
CAP-OR-12	1-3/16-12	25
CAP-OR-16	1-7/16-12	15
CAP-OR-20	1-11/16-12	10

Cap Plug Assortment Kits Also Available - See the Kit & Tool Section

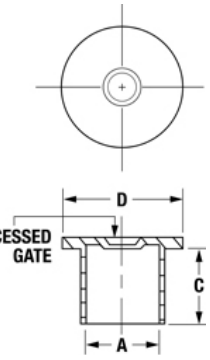


Flat Face Fitting Caps

Part Number	Tube Size OD	Thread Size	Min Std Pkg
CAP-PDF-40	1/4	9/16-18	25
CAP-PDF-60	3/8	11/16-16	25
CAP-PDF-80	1/2	13/16-16	25
CAP-PDF-100	5/8	1-14	20
CAP-PDF-120	3/4	1-3/16-12	20
CAP-PDF-160	1	1-7/16-12	10



Unlike tear-tab closures that can only be used once, the CAP-PO series is designed to be reused. Specifically designed to protect straight threads with or without o-rings, this unique design is also ideal for use on a variety of thread forms and non-threaded fittings.



Straight Threaded Cap Plugs

Part Number	Min Std Pkg	To Cap Thread size	A	C	D
CAP-PO-20	25	7/16"	0.428	0.47	0.69
CAP-PO-30	25	1/2"	0.49	0.47	0.75
CAP-PO-40	25	9/16"	0.55	0.50	0.81
CAP-PO-50	25	11/16"	0.676	0.50	0.94
CAP-PO-55	25	-	0.721	0.67	1.00
CAP-PO-60	25	3/4"	0.738	0.67	1.00
CAP-PO-70	25	13/16"	0.802	0.56	1.06
CAP-PO-80	25	7/8"	0.864	0.66	1.12
CAP-PO-90	25	1.00"	0.99	0.66	1.25
CAP-PO-100	15	1-1/16"	1.051	0.75	1.31
CAP-PO-110	15	1-3/16"	1.175	0.75	1.44
CAP-PO-120	15	1-5/16"	1.298	0.75	1.56
CAP-PO-130	15	1-7/16"	1.426	0.75	1.69
CAP-PO-140	10	1-5/8"	1.12	0.85	1.88

PLASTIC CAP PLUGS



Male Threaded Pipe Plugs (Sq. Top)

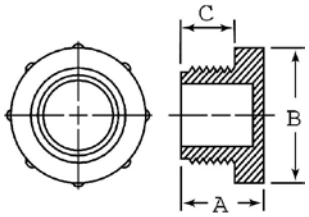
Part Number	NPT Port Size	Thread Size	Min Std Pkg
CAP-P-18	1/8	0.364	25
CAP-P-28	1/4	0.477	25
CAP-P-38	3/8	0.612	25
CAP-P-48	1/2	0.758	25
CAP-P-68-H	3/4	0.968	25
CAP-P-88-H	1	1.214	20
CAP-TP-13	1-1/4	1.557	5
CAP-TP-15	1-1/2	1.796	5



Male Threaded Cap Plugs for Flared J.I.C. Fittings

Part Number	Std Thread Size	OD Size Tube	Dash Size	Min Std Pkg
CAP-PD-40	7/16-20	1/4	#4	25
CAP-PD-50	1/2-20	5/16	#5	25
CAP-PD-60	9/16-18	3/8	#6	25
CAP-PD-80	3/4-16	1/2	#8	25
CAP-PD-100	7/8-14	5/8	#10	25
CAP-PD-120	1-1/16-12	3/4	#12	25
CAP-PD-140	1-3/16-12	7/8	#14	20
CAP-PD-160	1-5/16-12	1	#16	20
CAP-PD-200	1-5/8-12	1-1/4	#20	15
CAP-PD-220	1-3/4-12	1-3/8	#22	10
CAP-PD-240	1-7/8-12	1-1/2	#24	10





Miscellaneous - MCAP- TP

Part Number	To Fit Metric Thread Size	A		B		C		Min Std Pkg
		in	mm	in	mm	in	mm	
MCAP-TP-M8X1	M8 x 1	0.562	14.27	0.484	12.29	0.374	9.50	10
MCAP-TP-M10X1	M10 x 1	0.574	14.58	0.602	15.29	0.409	10.39	10
MCAP-TP-M12X1	M12 x 1	0.657	16.69	0.728	18.49	0.421	10.69	10
MCAP-TP-M12X1.5	M12 x 1.5	0.641	16.28	0.657	16.69	0.342	8.69	10
MCAP-TP-M14X1.5	M14 x 1.5	0.677	17.20	0.728	18.49	0.374	9.50	10
MCAP-TP-M16X1.5	M16 x 1.5	0.677	17.20	0.866	22.00	0.492	12.50	10
MCAP-TP-M18X1.5	M18 x 1.5	0.720	18.29	0.960	24.38	0.539	13.69	10
MCAP-TP-M20X1.5	M20 x 1.5	0.716	18.19	1.035	26.29	0.551	14.00	10
MCAP-TP-M22X1.5	M22 x 1.5	0.720	18.29	1.110	28.19	0.539	13.69	10
MCAP-TP-M24X1.5	M24 x 1.5	0.728	18.49	1.232	31.29	0.543	13.79	10
MCAP-TP-M25X1.5	M25 x 1.5	0.728	18.49	1.232	31.30	0.551	14.00	5
MCAP-TP-M26X1.5	M26 x 1.5	0.736	18.69	1.287	32.69	0.543	13.79	5
MCAP-TP-M52X1.5	M52 x 1.5	0.846	21.50	2.508	63.70	0.610	15.50	5

PLASTIC CAP PLUGS

BOLTED SPLIT FLANGE PROTECTORS



These low density polyethylene caps protect the faces of split flange connectors

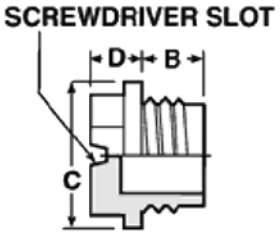
Split Flange Coupling Caps - SAE CODE 61

Part Number	Flange Size	Cap Size	Min Std Pkg
CAP-SF-8	1/2	1.19	50
CAP-SF-10	5/8	1.35	50
CAP-SF-12	3/4	1.50	50
CAP-SF-16	1	1.75	35
CAP-SF-20	1-1/4	2.00	35
CAP-SF-24	1-1/2	2.38	25
CAP-SF-32	2	2.81	15
CAP-SF-40	2-1/2	3.31	15

Split Flange Coupling Caps - SAE CODE 62

Part Number	Flange Size	Cap Size	Min Std Pkg
CAP-HPSF-8	1/2	1.25	10
CAP-HPSF-12	3/4	1.625	10
CAP-HPSF-16	1	1.87	10
CAP-HPSF-20	1-1/4	2.125	10
CAP-HPSF-24	1-1/2	2.5	10
CAP-HPSF-32	2	3.125	10





Threaded O-Ring Plugs

Part Number	Std Thread Size	B	C	D	Min Std Pkg
CAP-TF-9-OR	9/16-18	0.35	0.81	0.19	10
CAP-TF-12-OR	3/4-16	0.44	0.89	0.18	10



3,000 PSI Flanges SAE Code 61

Part Number	Port Size	Min Std Pkg
CAP-8218	1/2	10
CAP-8219	3/4	10
CAP-8220	1	10
CAP-8221	1-1/4	10
CAP-8222	1-1/2	10
CAP-8223	2	10
CAP-8224	2-1/2	10

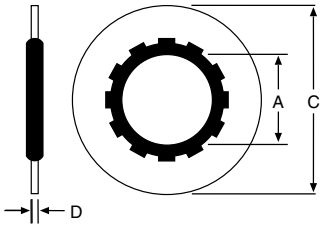
5,000 PSI Flanges SAE Code 62

Part Number	Port Size	Min Std Pkg
CAP-XP-075	3/4	10
CAP-XP-100	1	10
CAP-XP-125	1-1/4	10
CAP-XP-150	1-1/2	10
CAP-XP-200	2	10

Cap Plug Assortment Kits Also Available - See the Kits & Tools Section

STYLE 110 FACE SEALS

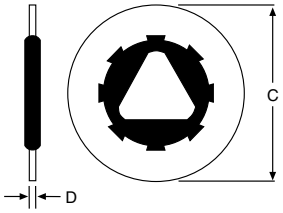




Part Number	Max Screw Size	A Rubber I.D.	B Steel I.D.	C Steel O.D.
DY-110X8	.164	.156	.255	.385
DY-110X10	.177	.180	.317	.443
DY-110X3/16	.190	.220	.281	.425
DY-110X7/32	.216	.246	.307	.455
DY-110X1/4	.250	.240	.381	.505
DY-110X5/16	.312	.301	.488	.603
DY-110X3/8	.375	.368	.546	.666
DY-110X7/16	.437	.427	.618	.760
DY-110X1/2	.500	.490	.696	.880
DY-110X9/16	.562	.552	.759	1.067
DY-110X5/8	.625	.615	.818	1.193

THREAD SEAL



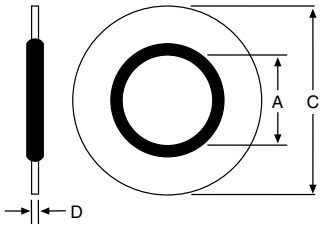


Thread seals provide a postive seal directly against the threads of a bolt. Self-centering and easily installed.

Part Number	C	D	Thread Size
TS7500X10	.469	.051	-10
TS7500X1/4	.562	.051	1/4
TS7500X5/16	.687	.064	5/16
TS7500X3/8	.750	.064	3/8
TS7500X7/16	.906	.078	7/16
TS7500X1/2	1.000	.078	1/2
TS7500X7/8	1.562	.109	7/8

STYLE SB FACE SEALS



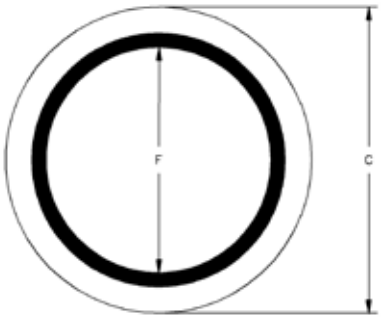


Part Number	A	C	D
DY-SB-001	.115	.250	.048
DY-SB-002	.157	.286	.048
DY-SB-003	.205	.330	.051
DY-SB-004	.270	.520	.051
DY-SB-005	.270	.525	.048
DY-SB-006	.322	.525	.048
DY-SB-007	.340	.560	.051
DY-SB-020A	.408	.625	.083
DY-SB-008	.443	.723	.083
DY-SB-009	.460	.750	.083
DY-SB-225	.531	.866	.059
DY-SB-021B	.541	.810	.083
DY-SB-010	.585	.875	.083
DY-SB-022BB	.625	.875	.083
DY-SB-011	.650	1.000	.083
DY-SB-023C	.680	.937	.083
DY-SB-012	.715	1.000	.097
DY-SB-024CC	.775	1.060	.097
DY-SB-025D	.848	1.125	.097
DY-SB-026E	.925	1.250	.097
DY-SB-013	.955	1.310	.097
DY-SB-027F	1.065	1.375	.097
DY-SB-240	1.083	1.417	.07
DY-SB-028	1.095	1.520	.097
DY-SB-014	1.150	1.440	.092
DY-SB-029G	1.213	1.500	.097
DY-SB-015	1.280	1.630	.128
DY-SB-031	1.329	1.685	.092
DY-SB-030H	1.334	1.685	.133
DY-SB-016	1.410	1.750	.133
DY-SB-032J	1.690	2.062	.103
DY-SB-033K	1.907	2.307	.103
DY-SB-019	2.030	2.500	.128
DY-SB-034	2.161	2.750	.133
DY-SB-036	2.385	2.875	.133
DY-SB-038	2.625	3.130	.133
DY-SB-039	2.995	3.550	.133

STYLE SB-SCR FACE SEALS



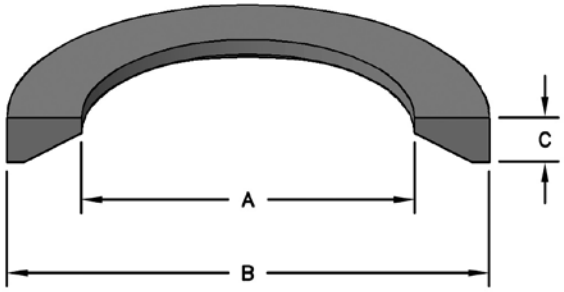




Part Number	F Self-Centralizing	C	D
DY-SB-004-SCR	0.185	0.520	0.048
DY-SB-005-SCR	0.185	0.525	0.048
DY-SB-006-SCR	0.240	0.525	0.048
DY-SB-007-SCR	0.240	0.560	0.048
DY-SB-020A-SCR	0.337	0.625	0.080
DY-SB-008-SCR	0.337	0.723	0.080
DY-SB-009-SCR	0.346	0.750	0.080
DY-SB-021B-SCR	0.451	0.810	0.080
DY-SB-010-SCR	0.456	0.875	0.080
DY-SB-022BB-SCR	0.476	0.875	0.080
DY-SB-023C-SCR	0.589	0.937	0.080
DY-SB-012-SCR	0.571	1.000	0.098
DY-SB-024CC-SCR	0.622	1.060	0.098
DY-SB-025D-SCR	0.734	1.125	0.098
DY-SB-026E-SCR	0.811	1.250	0.098
DY-SB-013-SCR	0.795	1.310	0.098
DY-SB-027F-SCR	0.950	1.375	0.098
DY-SB-028-SCR	0.902	1.520	0.098
DY-SB-014-SCR	0.941	1.440	0.098
DY-SB-031-SCR	1.193	1.685	0.098
DY-SB-029G-SCR	1.098	1.500	0.098
DY-SB-015-SCR	1.067	1.630	0.126
DY-SB-030H-SCR	1.193	1.685	0.126
DY-SB-016-SCR	1.161	1.750	0.126

DIN 3869 CONNECTOR RINGS

DIN 3869 profile rings are axially static soft seals in combination with threaded elements. They are molded from elastomers used for sealing threaded tube connections and fittings. Most common application, construction machinery, hydraulic presses, injection machines, etc. The DIN3869 is offered in two materials, an NBR 85 Shore A (black finish), and FKM 80 Shore A (green finish).

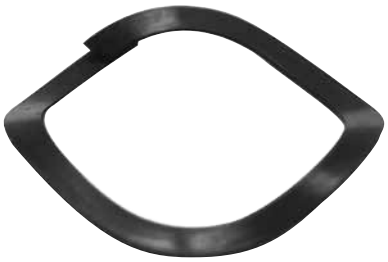


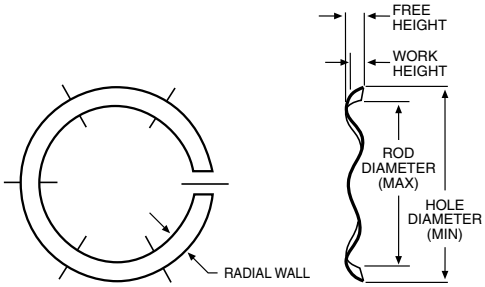
SEAL INFORMATION		
MATERIAL	COLOR	TEMP RANGE
85A NBR	BLACK	-30° TO +100° C -22° TO +212° F
VITON (FKM)	GREEN	-20° TO +200° C -4° TO +392° F

Part Number	Nominal Size	Thread	A Inside Diameter	B Outside Diameter	C Height	Package Quantity
DIN3869-M8X1	8	M8 x 1	6.50	9.90	1.00	5
DIN3869-M10X1	10	M10 x 1	8.40	11.90	1.00	5
DIN3869-M12X1.5	12	M12 x 1.5	9.80	14.40	1.50	5
DIN3869-M14X1.5	14	M14 x 1.5	11.60	16.50	1.50	5
DIN3869-M16X1.5	16	M16 x 1.5	13.80	18.90	1.50	5
DIN3869-M17X1.5	17	M17 x 1.5	14.70	18.90	1.50	5
DIN3869-M18X1.5	18	M18 x 1.5	15.70	20.90	1.50	5
DIN3869-M20X1.5	20	M20 x 1.5	17.80	22.90	1.50	5
DIN3869-M21X1.5	21	M21 x 1.5	18.50	23.90	1.50	5
DIN3869-M22X1.5	22	M22 x 1.5	19.60	24.30	1.50	5
DIN3869-M27X2	27	M27 x 2	23.90	29.20	2.00	5
DIN3869-M30X2	30	M30 x 2	27.70	32.70	2.00	2
DIN3869-M33X2	33	M33 x 2	29.70	35.70	2.00	2
DIN3869-M42X2	42	M42 x 2	38.80	45.80	2.00	2
DIN3869-M48X2	48	M48 x 2	44.70	50.70	2.00	2
DIN3869-M8X1-V	8	M8 x 1	6.50	9.90	1.00	5
DIN3869-M10X1-V	10	M10 x 1	8.40	11.90	1.00	5
DIN3869-M12X1.5-V	12	M12 x 1.5	9.80	14.40	1.50	5
DIN3869-M14X1.5-V	14	M14 x 1.5	11.60	16.50	1.50	5
DIN3869-M16X1.5-V	16	M16 x 1.5	13.80	18.90	1.50	2
DIN3869-M18X1.5-V	18	M18 x 1.5	15.70	20.90	1.50	2
DIN3869-M20X1.5-V	20	M20 x 1.5	17.80	22.90	1.50	2
DIN3869-M21X1.5-V	21	M21 x 1.5	18.50	23.90	1.50	2
DIN3869-M22X1.5-V	22	M22 x 1.5	19.60	24.30	1.50	2
DIN3869-M27X2-V	27	M27 x 2	23.90	29.20	2.00	2
DIN3869-M30X2-V	30	M30 x 2	27.70	32.70	2.00	2

WAVE SPRINGS

Wave Springs offer a convenient method of exerting a pre-load on vee packing where little or no adjustment is available. Because of a low fatigue factor, the spring should provide a proper pre-load throughout the life of the packing.

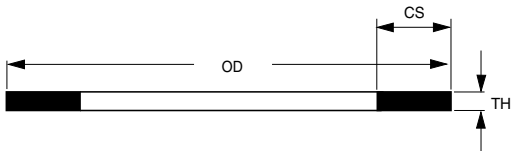




Part Number	WORK HEIGHT	FREE HEIGHT	E ROD DIAMETER	HOLE DIAMETER	RADIAL WALL
SSR-0112	.078	.130	.840	1.125	.133
SSR-0125	.078	.150	.960	1.250	.133
SSR-0150	.078	.170	1.170	1.500	.143
SSR-0175	.078	.140	1.440	1.750	.143
SSR-0187	.078	.150	1.560	1.875	.143
SSR-0200	.093	.140	1.680	2.000	.150
SSR-0225	.093	.170	1.930	2.250	.150
SSR-0237	.093	.160	1.990	2.375	.178
SSR-0250	.093	.170	2.120	2.500	.178
SSR-0262	.093	.190	2.240	2.625	.178
SSR-0275	.109	.170	2.340	2.750	.188
SSR-0300	.109	.190	2.590	3.000	.188
SSR-0312	.109	.210	2.710	3.120	.188
SSR-0325	.109	.200	2.750	3.250	.233
SSR-0350	.109	.230	3.000	3.500	.233
SSR-0362	.109	.240	3.120	3.625	.233
SSR-0375	.109	.260	3.250	3.750	.233
SSR-0400-N	.109	.200	3.570	4.000	.188
SSR-0425	.109	.210	3.740	4.250	.233
SSR-0462	.109	.230	4.125	4.625	.233
SSR-0475	.125	.310	4.240	4.750	.233
SSR-0512	.125	.340	4.610	5.125	.233

CARBON STEEL SHIMS

These carbon steel shims are commonly used with vee packing sets to fill the empty space in a gland.





Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	RADIAL WALL
SSRS-0150	1.2	1-1/2	.024	.150
SSRS-0175	1.45	1-3/4	.024	.150
SSRS-0200	1.7	2	.024	.150
SSRS-0237	2.019	2-3/8	.024	.178
SSRS-0312	2.749	3-1/8	.03	.188
SSRS-0375	3.284	3-3/4	.03	.233

GRADE C LOCKNUTS

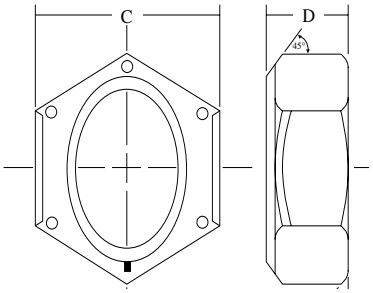
These fine-threaded Grade C locknuts are formed from medium carbon, heat-treated steel and are designed to be used with a Grade 8 bolt. Smaller size locknuts employ an automation style collar while the larger ones use a full collar design. Both locknut types are stocked with cadmium and wax plating.

Automation Style

Part Number	Size	Thread Pitch	C Width Across Flats		D Overall Thickness	
			Max	Min	Max	Min
LN-1/2-13	1/2	13	0.7500	0.736	0.510	0.490
LN-1/2-20	1/2	20	0.752	0.741	0.609	0.579
LN-1-14	1	14	1.5020	1.450	0.887	0.831
LN-3/4-16	3/4	16	1.1250	1.088	0.665	0.617
LN-5/8-18	5/8	18	0.9375	0.922	0.645	0.621
LN-7/8-14	7/8	14	1.3145	1.269	0.922	0.724
LN-7/16-20	7/16	20	0.627	0.616	0.468	0.438



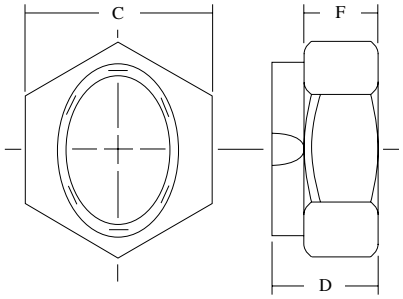
Automation Style



Full Collar Style

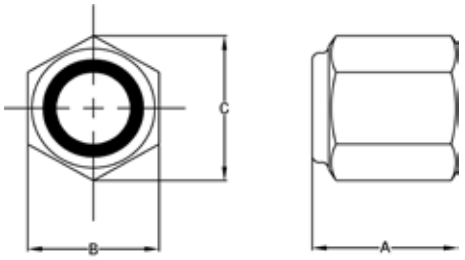
Part Number	Size	Thread Pitch	C Width Across Flats		D Overall Thickness		F Hex Height	
			Max	Min	Max	Min	Max	Min
LN-1-1/2-12	1-1/2	12	2.250	2.175	1.317	1.246	0.885	0.843
LN-1-1/4-12	1-1/4	12	1.876	1.812	1.094	1.030	0.719	0.698
LN-1-1/8-12	1-1/8	12	1.687	1.631	0.999	0.939	0.657	0.636
LN-1-3/4-12	1-3/4	12	2.625	2.538	1.540	1.460	1.012	0.989
LN-1-3/8-12	1-3/8	12	2.062	1.994	1.206	1.138	0.795	0.771
LN-2-12	2	12	3.000	2.900	1.763	1.675	1.158	1.134
LN-2-1/2-12	2-1/2	12	3.750	3.625	2.193	2.089	1.930	1.840

Full Collar Style



Part Number	Bar Size	A	B	C
CM-LN45050	1/2”-20	0.60	0.75	0.84
CM-LN45062	5/8”-18	0.75	0.94	1.06
CM-LN45075	3/4”-16	0.88	1.06	1.19
CM-LN45087	7/8”-14	1.00	1.25	1.40
CM-LN45100	1”-14	1.06	1.44	1.62
CM-LN45101	1”-14	0.88	1.62	1.83
CM-LN45112	1-1/8”-12	1.19	1.62	1.83
CM-LN45126	1-1/4”-12	1.38	1.81	2.06
CM-LN45151	1-1/2”-12	1.62	2.19	2.44
CM-LN45152	1-1/2”-12	0.81	2.19	2.44
CM-LN45175	1-3/4”-12	1.50	2.75	3.06
CM-LN45200	2”-12	1.62	3.12	3.50
CM-LN45225	2-1/4”-12	1.94	3.50	3.94
CM-LN45226	2-1/4”-12	2.81	3.50	3.94
CM-LN45250	2-1/2”-12	2.25	4.00	4.50

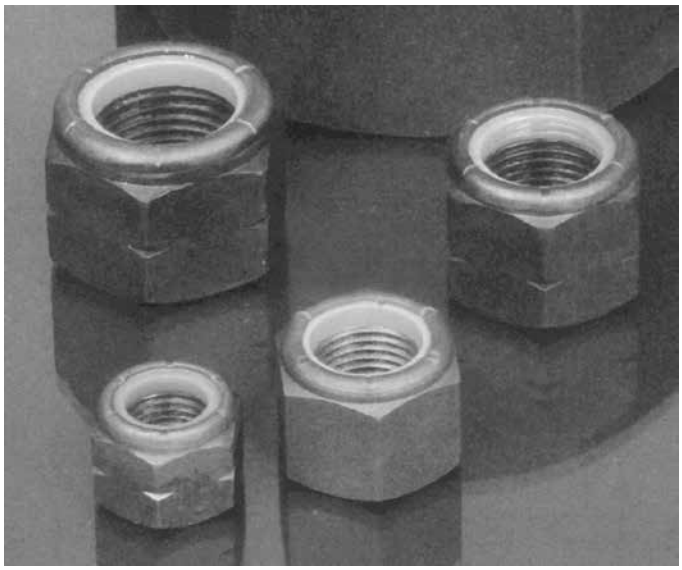
Nylon Insert Lock Nut



"NYLON INSERT" LOCKING NUTS

Manufactured from the finest quality steel to offer superior strength, locking nuts with nylon inserts are specifically designed and manufactured to exact dimensions. The high temperature locking inserts are designed to withstand the high temperatures associated with close tolerance performance applications.

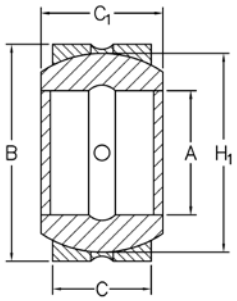
Part Number	Thread Size & Pitch	Height	Flats
CTC-2J0564	2 - 12	1-5/8	3-1/8
CTC-2J3247	1-3/4 - 12	1-7/16	2-3/4
CTC-2J3950	1-1/2 - 12	1-5/16	2-3/8
CTC-2J6384	1-1/4 - 12	1-1/8	2
CTC-2J7686	2-1/2 - 12	2-3/16	4
CTC-3J6899	2-1/4 - 12	2-13/16	3-1/2
CTC-3J9449	2-1/2 - 12	2-5/8	4
CTC-3J9545	2 - 12	2-7/16	3-1/8
CTC-4J6888	2-3/4 - 12	2-1/4	4
CTC-4J8734	2-3/4 - 12	3-1/8	4
CTC-5J3488	2-1/4 - 12	1-15/16	3-1/2
CTC-5J5731	1-3/4 - 12	1-7/16	2-1/2
CTC-7J9250	3-1/4 - 12	3-1/8	4-1/2
CTC-9X6018	4 - 12	3.73	5.62
CTC-1438149	M48 × 2	50 mm	75 mm
CTC-1438150	M56 × 2	56 mm	85 mm
CTC-1336686	M56 × 2	57 mm	80 mm
CTC-1475835	M64 × 2	63 mm	95 mm
CTC-7Y4622	M72 × 2	70 mm	105 mm
CTC-7Y4695	M80 × 2	76 mm	115 mm
CTC-1232060	M80 × 2	64 mm	115 mm
CTC-1232112	M90 × 2	76 mm	130 mm
CTC-7Y4956	M90 × 2	84 mm	130 mm
CTC-0875385	M95 × 2	88 mm	135 mm
CTC-1261971	M100 × 2	89 mm	146 mm
CTC-1163513	M105 × 2	97 mm	150 mm
CTC-1163516	M120 × 2	108 mm	170 mm



* Grade N8 (Grade C equivalent) or non-heat treated micro-alloy steel.

STYLE HH SELF ALIGNING BEARINGS (INCH)





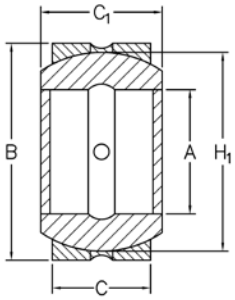
SEAL INFORMATION	
MATERIAL	CARBON CHROMIUM STEEL

SUFFIX:
2RS = SEALED BEARINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	G HOUSING DIAMETER	H_1 BEARING GROOVE DIAMETER	Static Radial Load (lbs)	Dynamic Radial Load (lbs)	MATERIAL
HH008ES	1/2	7/8	3/8	.437	.875 +.0000 -.0008	.709	9337	3156	STEEL
HH010ES	5/8	1-1/16	15/32	.547	1.0625 +.0000 -.0008	.899	14732	4864	STEEL
HH012ES	3/4	1-1/4	9/16	.656	1.250 +.000 -.001	1.083	20927	7089	STEEL
HH100ES	1	1-5/8	3/4	.875	1.625 +.000 -.001	1.417	37359	12605	STEEL
HHW100ES	1	1-5/8	1-1/2	1.500	1.625 +.000 -.001	1.417	37351	12604	STEEL
HH104ES	1-1/4	2	15/16	1.093	2.000 +.0000 -.0012	1.772	58507	19468	STEEL
HH106ES	1-3/8	2-3/16	1-1/32	1.187	2.1875 +.0000 -.0012	1.929	69756	23404	STEEL
HH108ES	1-1/2	2-7/16	1-1/8	1.312	2.4375 +.0000 -.0012	2.165	84379	28129	STEEL
HH108ES2RS	1-1/2	2-7/16	1-1/8	1.312	2.4375 +.0000 -.0012	2.165	84379	28129	STEEL
HH112ES	1-3/4	2-13/16	1-5/16	1.531	2.8125 +.0000 -.0012	2.520	114752	38255	STEEL
HH112ES2RS	1-3/4	2-13/16	1-5/16	1.531	2.8125 +.0000 -.0012	2.520	114752	38255	STEEL
HH200ES	2	3-3/16	1-1/2	1.750	3.1875 +.0000 -.0014	2.874	150754	50408	STEEL
HH200ES2RS	2	3-3/16	1-1/2	1.750	3.1875 +.0000 -.0014	2.874	150754	50408	STEEL
HHW200ES	2	3-3/16	3	3.000	3.1875 +.0000 -.0014	2.874	150757	50406	STEEL
HH204ES	2-1/4	3-9/16	1-11/16	1.969	3.5625 +.0000 -.0014	3.228	191251	63002	STEEL
HH204ES2RS	2-1/4	3-9/16	1-11/16	1.969	3.5625 +.0000 -.0014	3.228	191251	63002	STEEL
HH208ES	2-1/2	3-15/16	1-7/8	2.187	3.9375 +.0000 -.0014	3.583	234007	77629	STEEL
HH212ES	2-3/4	4-3/8	2-1/16	2.406	4.375 +.0000 -.0014	3.937	285752	95628	STEEL
HH300ES	3	4-3/4	2-1/4	2.625	4.750 +.0000 -.0016	4.331	337506	112505	STEEL
HH300ES2RS	3	4-3/4	2-1/4	2.625	4.750 +.0000 -.0016	4.331	337506	112505	STEEL
HH308ES	3-1/2	5-1/2	2-5/8	3.062	5.500 +.0000 -.0016	5.039	459001	153003	STEEL
HH308ES2RS	3-1/2	5-1/2	2-5/8	3.062	5.500 +.0000 -.0016	5.039	459001	153003	STEEL
HH312ES	3-3/4	5-7/8	2-13/16	3.281	5.875 +.0000 -.0016	5.394	531004	175507	STEEL
HH400ES	4	6-1/4	3	3.500	6.250 +.0000 -.0016	5.748	596256	202508	STEEL

STYLE MHH SELF ALIGNING BEARINGS (METRIC)





SEAL INFORMATION	
MATERIAL	CARBON CHROMIUM STEEL

SUFFIX:
2RS = SEALED BEARINGS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C_1 OVERALL HEIGHT	G HOUSING DIAMETER	H_1 BEARING GROOVE DIAMETER	Static Radial Load (lbs)	Dynamic Radial Load (lbs)
MHH20ES	20	35	12	16	35 $^{+0.000}_{-0.025}$	29	32857	6759
MHH25ES	25	42	16	20	42 $^{+0.000}_{-0.025}$	36	54003	10804
MHH25ES2RS	25	42	16	20	42 $^{+0.000}_{-0.025}$	36	54003	10804
MHH30ES	30	47	18	22	47 $^{+0.000}_{-0.025}$	41	69751	13951
MHH30ES2RS	30	47	18	22	47 $^{+0.000}_{-0.025}$	41	69751	13951
MHH35ES	35	55	20	25	55 $^{+0.00}_{-0.03}$	47	90008	18009
MHH35ES2RS	35	55	20	25	55 $^{+0.00}_{-0.03}$	47	90008	18009
MHH40ES	40	62	22	28	62 $^{+0.00}_{-0.03}$	53	112507	22501
MHH40ES2RS	40	62	22	28	62 $^{+0.00}_{-0.03}$	53	112507	22501
MHH45ES2RS	45	68	25	32	68 $^{+0.00}_{-0.03}$	60	144009	28578
MHH50ES	50	75	28	35	75 $^{+0.00}_{-0.03}$	66	175509	35109
MHH50ES2RS	50	75	28	35	75 $^{+0.00}_{-0.03}$	66	175509	35109
MHH60ES	60	90	36	44	90 $^{+0.000}_{-0.035}$	80	274509	55128
MHH70ES2RS	70	105	30	49	105 $^{+0.000}_{-0.035}$	92	351007	70876
MHH70ES	70	105	40	49	105 $^{+0.000}_{-0.035}$	92	351007	70876
MHH80ES	80	120	45	55	120 $^{+0.000}_{-0.035}$	105	450005	90008

SET SCREWS



These set screws are used on many cylinder headnuts. Use nylon plugs to ensure no damage to the headnut threads. All set screws employ Allen wrench heads.

Part Number	Thread Size	Length
SS-1/4-20X1/2	1/4-20	1/2
SS-1/4-20X3/8	1/4-20	3/8
SS-1/4-28X1/4	1/4-28	1/4
SS-1/4-28X3/8	1/4-28	3/8
SS-5/16-18X1/4	5/16-18	1/4
SS-5/16-18X3/8	5/16-18	3/8
SS-5/16-18X3/4	5/16-18	3/4
SS-5/16-24X5/16	5/16-24	5/16
SS-5/16-24X3/8	5/16-24	3/8
SS-3/8-16X3/8	3/8-16	3/8
SS-3/8-16X1/2	3/8-16	1/2
SS-3/8-16X5/8	3/8-16	5/8
SS-3/8-16X7/8	3/8-16	7/8
SS-1/2-13X1/2	1/2-13	1/2
SS-1/2-13X5/8	1/2-13	5/8
SS-#8-32X1/4	#8-32	1/4
SS-#10-24X1/4	#10-24	1/4

NYLON PLUGS

These nylon plugs are used with headnut set screws to ensure that there is no damage to the headnut threads.

Part Number	Diameter	Length
NYPLUG-125-125	1/8	1/8
NYPLUG-125-156	1/8	5/32
NYPLUG-125-875	1/8	7/8
NYPLUG-187-109	3/16	7/64
NYPLUG-187-187	3/16	3/16
NYPLUG-187-250	3/16	1/4
NYPLUG-250-070	1/4	0.070
NYPLUG-250-125	1/4	1/8
NYPLUG-250-187	1/4	3/16
NYPLUG-250-250	1/4	1/4
NYPLUG-312-125	5/16	1/8
NYPLUG-312-250	5/16	1/4
NYPLUG-312-312	5/16	5/16
NYPLUG-375-250	3/8	1/4
NYPLUG-500-875-125H	1/2	7/8

WIND-IN LOCK WIRES



Part Number	Thickness	Length
LW-093-1262	3/32 sq.	12-5/8
MARION-35240	1/8 sq.	10-1/4
MARION-35250	1/8 sq.	13-3/8
MARION-35260	1/8 sq.	16-3/8
MARION-35270	1/8 sq.	19-1/4
MARION-1031	3/16 sq.	21.00
1/8 RD WIRE	1/8 round	11

FILTER VENT PLUGS



These plugs are used to allow air to pass in and out of the non-pressurized end of a single-acting cylinder.

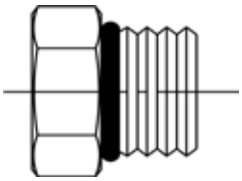
Part Number	NPT Port Size
FV-.125	1/8
FV-.250	1/4
FV-.375	3/8
FV-.500	1/2
FV-.750	3/4
FV-1.000	1

STEEL PLUGS AND VENTS

Steel Plug (O-Ring Boss)



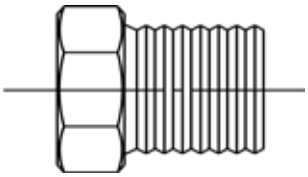
PART NUMBER	PORT SIZE
CM-74004	#4 SAE
CM-74005	#5 SAE
CM-74006	#6 SAE
CM-74008	#8 SAE
CM-74010	#10 SAE
CM-74012	#12 SAE
CM-74014	#14 SAE
CM-74016	#16 SAE
CM-74020	#20 SAE



NPT Steel Plug



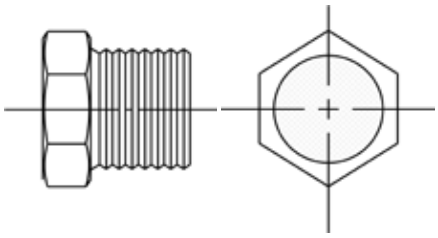
PART NUMBER	PORT SIZE
CM-74112	1/8” NPT
CM-74125	1/4” NPT
CM-74137	3/8” NPT
CM-74150	1/2” NPT
CM-74175	3/4” NPT
CM-74199	1” NPT
CM-74200	1-1/4” NPT



NPT Air Vent

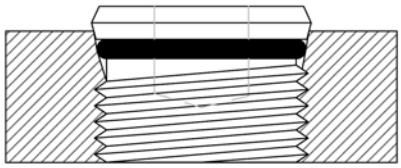


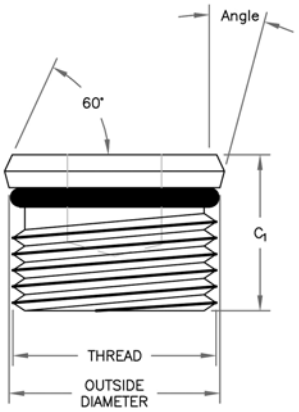
PART NUMBER	PORT SIZE
CM-77002	1/8” NPT
CM-77004	1/4” NPT
CM-77006	3/8” NPT
CM-77008	1/2” NPT
CM-77010	3/4” NPT

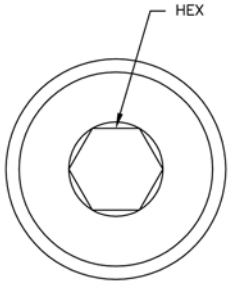


ZERO-LEAK GOLD STANDARD THREAD PORT PLUGS









Part Number	SIZE NUMBER	C_1 OVERALL HEIGHT	OUTSIDE DIAMETER	HEX	Angle	TESTED TORQUE (ft-lbs)	O-RING	THREAD
SHTPP-S04	4	.450 ±.020	.477 ±.003	.188 +.005 +.000	12 +0.0 -0.5	7	MOR-8X1.5	7/16-20 UNF
SHTPP-S06	6	.480 ±.020	.606 ±.003	.250 +.005 +.000	12 +0.0 -0.5	11	MOR-12.1X1.6	9/16-18 UNF
SHTPP-S08	8	.560 ±.020	.800 ±.003	.313 +.005 +.000	15 +0.0 -0.5	28	568-016	3/4-16 UNF
SHTPP-S10	10	.630 ±.020	.930 ±.003	.375 +.005 +.000	15 +0.0 -0.5	46	MOR-18X2	7/8-14 UNF
SHTPP-S12	12	.750 ±.020	1.130 ±.003	.563 +.005 +.000	15 +0.0 -0.5	51	MOR-22.3X2.4	1-1/16-12 UN
SHTPP-S16	16	.750 ±.020	1.385 ±.003	.625 +.005 +.000	15 +0.0 -0.5		MOR-27X2.5	1-5/16-12 UN

MANUAL BLEEDER VALVES



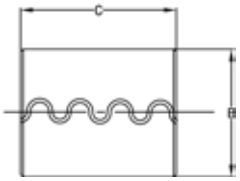
Part Number	Thread Size	Min Pkg Qty
WH705	1/8 NPT	3

SPLIT TENSION BUSHINGS



Material: Hardened Spring Steel





PART NUMBER	A	B	C	HOUSING DIAMETER
CM-99507	0.75	1.00	2.00	1.002/1.006
CM-99508	0.88	1.00	2.00	1.002/1.006
CM-99510	1.00	1.25	0.75	1.252/1.256
CM-99514	1.00	1.25	0.88	1.252/1.256
CM-99511	1.00	1.25	1.00	1.252/1.256
CM-99513	1.00	1.25	1.25	1.252/1.256
CM-99512	1.00	1.25	1.50	1.252/1.256
CM-99519	1.25	1.50	1.25	1.502/1.506
CM-99522	1.25	1.50	1.50	1.502/1.506
CM-99521	1.25	1.50	2.00	1.502/1.506
CM-99531	1.50	1.75	1.50	1.752/1.756
CM-99533	1.50	1.75	2.00	1.752/1.756
CM-99535	1.50	1.75	3.00	1.752/1.756
CM-99534	1.50	1.88	2.00	1.877/1.881
CM-995335	1.50	1.75	2.50	1.752/1.756
CM-99537	1.50	2.00	1.25	2.002/2.006

PART NUMBER	A	B	C	HOUSING DIAMETER
CM-995371	1.50	2.00	2.00	2.002/2.006
CM-99540	1.75	2.00	1.25	2.002/2.006
CM-995375	1.75	2.00	1.50	2.002/2.006
CM-99538	1.75	2.00	2.00	2.002/2.006
CM-99539	1.75	2.00	2.25	2.002/2.006
CM-995410	1.75	2.00	3.00	2.002/2.006
CM-99541	1.75	2.25	2.00	2.252/2.256
CM-99546	2.00	2.38	3.00	2.377/2.381
CM-99549	2.00	2.25	1.50	2.252/2.256
CM-99550	2.00	2.25	2.50	2.252/2.256
CM-99547	2.00	2.50	2.00	2.502/2.506
CM-99545	2.00	2.50	2.50	2.502/2.506
CM-99556	2.50	3.00	2.00	3.002/3.006
CM-99557	2.50	3.00	3.00	3.002/3.006
CM-99565	3.00	3.50	2.50	3.502/3.506

LOCTITE



Threadlocker 242 locks fasteners 1/4" and larger yet allows easy disassembly with hand tools. Prevents rust and corrosion.

Part Number	Application
LOCTITE-24205	Removable Threadlocker 0.5 ml bottle
LOCTITE-24221	Removable Threadlocker 10 ml bottle
LOCTITE-24231	Removable Threadlocker 50 ml bottle
LOCTITE-27105	High Strength Threadlocker 0.5 ml bottle
LOCTITE-29021	Penetrating Threadlocker 10 ml bottle
LOCTITE-29031	Penetrating Threadlocker 50 ml bottle
LOCTITE-54531	Hyd/Pneum Thread Sealant 50 ml tube
LOCTITE-82325	Super Lube 3 oz tube

TURBO LOCK



Turbo Lock threadlocker adhesive series is an economical alternative to Loctite.

Part Number	Application
THREAD LOCKER-11-001	Removable Threadlocker 2 ml bottle
THREAD LOCKER-11-010	Removable Threadlocker 10 ml bottle
THREAD LOCKER-11-050	Removable Threadlocker 50 ml bottle
THREAD LOCKER-14-001	High Strength Threadlocker 2 ml bottle
THREAD LOCKER-14-250	High Strength Threadlocker 250 ml bottle
THREAD LOCKER-16-010	Penetrating Threadlocker 10 ml bottle
THREAD LOCKER-16-050	Penetrating Threadlocker 50 ml bottle

SEAL LUBE™

O-Ring Lubricant



Part Number: SEAL LUBE

Seal-Lube™ lubricant is a thick, clear, high viscosity silicone oil recommended for use with most seal compounds (except silicone) and a wide variety of hydraulic fluids. Insoluble in water, alcohol, petroleum oil and glycol, Seal-Lube™ can prolong seal life when applied prior to seal installation. Chemically inert and non-toxic, Seal-Lube™ retains its viscosity over a wide temperature range. The handy squeeze 2 ounce bottle dispenses just enough where you want it.

Set Screw and Nylon Plug Assortment Kits Also Available - See the Kits & Tools Section

GREASE FITTINGS



Part Number	Description
GF-125NPTS	1/8” NPT STRAIGHT
GF-125NPT45	1/8” NPT 45°
GF-125NPT90	1/8” NPT 90°
GF-187DS	3/16” DRIVE STRAIGHT
GF-250-28S	1/4”-28 STRAIGHT
GF-250-28-45	1/4”-28 45°
GF-250-28-90	1/4”-28 90°
GF-312DS	5/16” DRIVE STRAIGHT

GREASE FITTING CAP



Low density polyethane cap plug for use with standard grease fittings.

Part Number	Description
CAP-GF-10	Cap Plug

PTFE THREAD SEAL TAPE

Part Number: PTFE TAPE



1/2" Wide by 520" Roll

SILICONE TAPE

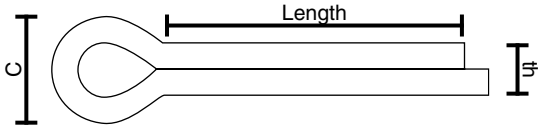


Used to create permanent seals for low pressure gas or liquid leaks in hydraulic hoses.
Temperature Range: -62/+500° F

Part Number	Description
SILICONE TAPE	1" X 432" Roll

COTTER PINS





Part Number	C	Length	th
CP-1X3/32	0.1875	1	0.082
CP-1-1/4X1/8	0.25	1.25	0.115
CP-1-1/2X5/32	0.3125	1.5	0.15
CP-1-3/4X3/16	0.39	1.75	0.1875
CP-2X3/16	0.375	2	0.176
CP-2X1/4	0.5	2	0.225
CP-2-1/2X1/8	0.25	2.5	0.115
CP-2-1/2X5/32	0.357	2.5	0.15625
CP-2-1/2X3/16	0.375	2.5	0.176
CP-2-1/2X1/4	0.5	2.5	0.225
CP-3X5/32	0.3125	3	0.15
CP-3X1/4	0.52	3	0.25
CP-3-1/2X1/4	0.5	3.5	0.225
CP-4X1/4	0.5	4	0.225
CP-5X1/4	0.5	5	0.225
CP-6X5/16	0.625	6	0.28

STYLE MCPL COUPLINGS

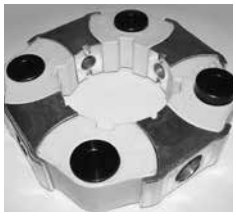
MCPL power transmission couplings are commonly found on mobile equipment to solve vibration problems in combustion engine driven equipment. The rubber or Hytrel elements effectively absorb shock loads, misalignment forces, and torsional vibrations generated by the connecting equipment at start-up for example. The coupling is axially connected to a PTO or flywheel on the engine side and radially connected to the driven equipment such as hydraulic pumps, generators, compressors, etc.



50H



110H



140H



50A

Part Number	ID X OD Dimensions	Material	Application
MCPL-110H-AL	100 X 222 mm	Plastic with Aluminum	Hitachi, Kato, etc.
MCPL-140H-AL	130 X 250 mm	Plastic with Aluminum	Komatsu, Kobelco, Kato, etc.
MCPL-50A-AL	107 X 200 mm	Rubber with Aluminum	Kobelco, Mitsubishi, etc.
MCPL-50H-AL	97 X 200 mm	Plastic with Aluminum	Komatsu, Hitachi, Kobelco, Mitsubishi, Kato, etc.

Cotter Pin and Grease Fitting Assortment Kits Also Available - See the Kits & Tools Section

Assortment Kits and Tools

Contents

	Page
O-Ring Kits	760 - 768
O-Ring Splice Kits	769
Back-Up Ring Kits	770
Retainer Ring Kits	771
Assortment Kits	772 - 776
Installation Tools	776 - 777
Splice Tools	777
Cutting and Chopping Tools	777 - 778
Removal Tools	778 - 780
Dismantling Tools	781
Lifting Slings	782
Remanufacturing Tools	783 - 787
Leak Detection Products	788
Measuring Tools	789 - 790

O-RING KITS

O-RING KIT

Part Number: 568 KIT-A

DASH NUMBER	QTY
006 THRU 012	20
110 THRU 116	13
210 THRU 222	10
325 THRU 327	7



This kit contains a total of 382 O-Rings in 30 different sizes, providing an extremely low cost per size value.

HNBR O-RING KIT

Part Number: 568 HNBR KIT

PART NUMBER	QTY
568-008H	20
568-010H	20
568-011H	20
568-012H	20
568-013H	20
568-014H	20
568-015H	15
568-017H	15
568-111H	15
568-116H	15
568-118H	10
568-211H	10



This kit contains a total of 200 70A Durometer HNBR o-rings in 12 different sizes, providing an extremely low cost per size value.

O-RING METRIC KIT

Part Number: METRIC O KIT-J-A

I.D X C.S. (mm)	QTY	I.D X C.S. (mm)	QTY	I.D X C.S. (mm)	QTY
3 X 2.0	16	14 X 2.5	13	28 X 3.0	12
4 X 2.0	16	16 X 2.5	13	30 X 3.0	12
5 X 2.0	16	17 X 2.5	13	32 X 3.0	12
6 X 2.0	16	19 X 2.5	13	33 X 3.0	12
7 X 2.0	16	19 X 3.0	11	35 X 3.0	12
8 X 2.0	16	20 X 3.0	12	36 X 3.0	12
10 X 2.0	16	22 X 3.0	12	38 X 3.0	12
10 X 2.5	13	24 X 3.0	12	38 X 4.0	9
11 X 2.5	13	25 X 3.0	12	41 X 4.0	9
12 X 2.5	13	27 X 3.0	12	44 X 4.0	9

The Metric O-Kit J-A contains a total of 385 O-Rings in 30 different sizes, another extremely low cost per size value.



MASTER O-RING FITTING KIT

Part Number: MASTER OR FITTING KIT

PORT DASH SIZE	PART NUMBER	QTY	PORT DASH SIZE	PART NUMBER	QTY
SAE BOSS #4	568-904	50	ORS #8	568-014-90D	50
SAE BOSS #5	568-905	50	ORS #10	568-016-90D	50
SAE BOSS #6	568-906	50	ORS #12	568-018-90D	50
SAE BOSS #8	568-908	50	ORS #16	568-021-90D	50
SAE BOSS #10	568-910	50	ORS #20	568-025-90D	50
SAE BOSS #12	568-912	50	ORS #24	568-029-90D	40
SAE BOSS #14	568-914	40	SAE #8	568-210-90D	50
SAE BOSS #16	568-916	40	SAE #12	568-214-90D	50
SAE BOSS #20	568-920	20	SAE #16	568-219-90D	20
SAE BOSS #24	568-924	10	SAE #20	568-222-90D	20
SAE BOSS #32	568-932	10	SAE #24	568-225-90D	20
ORS #4	568-011-90D	50	SAE #32	568-228-90D	20
ORS #6	568-012-90D	50	SAE #40	568-232-90D	10



This 1000 piece assortment contains 1/16" CS, 1/8" CS, and Boss 90A Durometer NBR O-rings in 26 of the most popular fitting sizes, including O-ring face seals and SAE straight thread boss fittings. Individually separated inside of a sturdy steel case.

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

O-RING KITS

SAE FLANGE SEALS

Part Number: SAE FLANGE SEALS

BOX PART NUMBER	PART NUMBER	QTY
-8	568-210-90D	8
-12	568-214-90D	8
-16	568-219-90D	8
-20	568-222-90D	8
-24	568-225-90D	8
-32	568-228-90D	8



Fits SAE J518 code 61/62 split flanges.

FLAT FACE SEALS

Part Number: FLAT FACE O-RINGS

BOX PART NUMBER	PART NUMBER	QTY
-4	568-011-90D	8
-6	568-012-90D	8
-8	568-014-90D	8
-10	568-016-90D	8
-12	568-018-90D	8
-16	568-021-90D	8
-20	568-025-90D	8
-24	568-029-90D	8



Fits SAE O-ring face seal fittings.

BOSS & TUBE SEALS

Part Number: BOSS-TUBE FITTINGS-1

Part Number: BOSS-TUBE FITTINGS-2 4

BOX PART NUMBER	PART NUMBER	QTY	KIT NUMBER
-2	568-902	8	FITTINGS-1
-3	568-903	8	FITTINGS-1
-4	568-904	8	FITTINGS-1
-5	568-905	8	FITTINGS-1
-6	568-906	8	FITTINGS-1
-8	568-908	8	FITTINGS-1
-10	568-910	8	FITTINGS-1
-12	568-912	8	FITTINGS-1
-14	568-914	8	FITTINGS-1
-16	568-916	8	FITTINGS-2
-20	568-920	8	FITTINGS-2
-24	568-924	8	FITTINGS-2
-32	568-932	8	FITTINGS-2

Fits SAE Boss straight thread tube fittings.



HOSE END & ADAPTER KIT

Part Number: O-R FITTING KIT

This handy kit contains 27 sizes and 216 pieces of 90A Durometer O-rings for boss, split flange, and flat face hose end fittings and adapters. Each box has a graphic label identifying the type of application and dash number for the seal. A chart on the back of the box lists popular OEM part number matches for each O-ring.



O-RING KITS

SAE 900 O-RING BOSS FLUOROCARBON KIT

Part Number: 900 BOSS FC

PART NUMBER	QTY	SAE PORT SIZE
568-901V	10	-1
568-902V	10	-2
568-903V	10	-3
568-904V	10	-4
568-905V	12	-5
568-906V	12	-6
568-907V	12	-7
568-908V	12	-8
568-909V	12	-9
568-910V	12	-10
568-911V	10	-11
568-912V	10	-12
568-913V	10	-13
568-914V	10	-14
568-916V	10	-16
568-918V	10	-18
568-920V	10	-20
568-924V	10	-24
568-928V	10	-28
568-932V	10	-32



This 212 piece assortment contains the most popular size 90 Durometer FKM Boss O-rings in 20 different fitting sizes, individually separated, which will supply your shop, service truck, or parts counter with the sizes you need!

SAE J514 O-RING BOSS KIT

Part Number: 900 BOSS KIT

PART NUMBER	QTY	SAE PORT SIZE
568-901	10	-1
568-902	10	-2
568-903	10	-3
568-904	10	-4
568-905	12	-5
568-906	12	-6
568-907	12	-7
568-908	12	-8
568-909	12	-9
568-910	12	-10
568-911	10	-11
568-912	10	-12
568-913	10	-13
568-914	10	-14
568-916	10	-16
568-918	10	-18
568-920	10	-20
568-924	10	-24
568-928	10	-28
568-932	10	-32



This 212 piece assortment contains the most popular size 90 Durometer Boss O-rings in 20 different fitting sizes, individually separated, which will supply your shop, service truck, or parts counter with the sizes you need!

O-RING FACE KIT

Part Number: 568 FACE KIT

DASH NUMBER	FITTING	QTY
011-90D	#4	25
012-90D	#6	25
014-90D	#8	25
016-90D	#10	25
018-90D	#12	20
021-90D	#16	15
025-90D	#20	10
029-90D	#24	10



This kit contains a total of 155 90 Durometer O-Rings in 8 different sizes, providing an extremely low cost per size value.

SAE CODE 61 & 62 O-RING FLANGE KIT

Part Number: 568 FLANGE KIT

DASH NUMBER	FITTING	QTY
210-90D	1/2"	10
214-90D	3/4"	10
219-90D	1"	10
222-90D	1-1/4"	10
225-90D	1-1/2"	10
228-90D	2"	10
232-90D	2-1/2"	10



This kit contains a total of 70, 90 Durometer O-Rings, in 7 different sizes, providing an extremely low cost per size value.

O-RING KITS

SPLIT FLANGE SEAL KIT

Part Number: SFS KIT

PART NUMBER	Flange Size	Replaces O-Ring No.	Outside Diam.	QTY
SFS-8	1/2"	-210	1.005	5
SFS-12	3/4"	-214	1.255	5
SFS-16	1"	-219	1.565	5
SFS-20	1-1/4"	-222	1.755	5
SFS-24	1-1/2"	-225	2.125	5
SFS-32	2"	-228	2.500	5
SFS-40	2-1/2"	-232	3.005	5



This kit contains 35 seals in 7 popular sizes for SAE J518 4-Bolt code 61 and code 62 split flanges.

U.S. INDUSTRIAL O-RING KIT

Part Number: 568 KIT

DASH NUMBER	QTY
005 THRU 011	25
012	15
013 THRU 018	10
110	15
111 THRU 116	10
117 THRU 121	7
210 THRU 211	10
212 THRU 219	7



This kit contains a total of 436 70 Durometer O-Rings in 36 different sizes, providing an extremely low cost per size value.

QUAD RING KIT

Part Number: QUAD-RING KIT

DASH NUMBER	QTY
4005 THRU 4012	10
4013 THRU 4016	6
4017 THRU 4018	5
4110 THRU 4116	6
4117 THRU 4121	4
4210 THRU 4219	5



QUAD WAREHOUSE KIT

Part Number: QUAD-RING WH KIT

DASH NUMBER	QTY
4004 THRU 4012	10
4013 THRU 4030	5
4031 THRU 4038	3
4039 THRU 4048	2
4108 THRU 4116	10
4117 THRU 4124	5
4125 THRU 4135	3
4136 THRU 4154	2
4204 THRU 4216	5
4217 THRU 4229	3
4230 THRU 4338	2



Similar to the O-Ring Warehouse kit, the Quad Seal Warehouse kit contains a total of 583 four-lobed seals in 145 different sizes. This kit is ideal for the small distributor who wishes to have a comprehensive on-hand inventory of Quad seals for counter sales.

O-RING KITS

90 DUROMETER O-RING KIT

Part Number: 568 90D KIT

DASH NUMBER	QTY
005 THRU 011-90D	25
012-90D	15
013 THRU 018-90D	10
110-90D	15
111 THRU 116-90D	10
117 THRU 121-90D	7
210 THRU 211-90D	10
212 THRU 219-90D	7

This kit contains a total of 436 90 Durometer O-Rings in 36 different sizes, providing an extremely low cost per size value.



PTFE O-RING KIT

Part Number: 568 PTFE KIT

DASH NUMBER	QTY
005 THRU 012T	15
013 THRU 018T	10
110 THRU 116T	10
117 THRU 121T	5
210 THRU 219T	5

This kit contains a total of 325 PTFE O-Rings (55 - 58 Shore D) in 36 different sizes. PTFE O-Rings can withstand temperatures up to 500° F and are impervious to a wide range of chemicals.



FLUOROCARBON O-RING KIT

Part Number: 568 FC KIT

DASH NUMBER	QTY
005 THRU 011V	25
012V	15
013 THRU 018V	10
110V	15
111 THRU 116V	10
117 THRU 121V	7
210 THRU 211V	10
212 THRU 219V	7

This kit contains a total of 436 75 Durometer Fluorocarbon O-Rings in 36 different sizes, providing an extremely low cost per size value.



FLUOROCARBON O-RING KIT

Part Number: 568 FC KIT-A

DASH NUMBER	QTY
006 THRU 012	10
110 THRU 114	10
115 THRU 116	5
210 THRU 214	5
216 THRU 222	2
325 THRU 327	2

This kit contains a total of 180 75 Shore A fluorocarbon o-rings in 30 different sizes.



VITON KIT

Part Number: METRIC O KIT-V

I.D.	C.S	QTY	I.D.	C.S	QTY	I.D.	C.S	QTY
5.00	1.50	20	9.00	2.00	15	19.00	2.00	10
2.20	1.60	20	10.00	2.00	15	20.00	2.00	10
3.10	1.60	20	12.00	2.00	15	10.00	2.50	10
4.10	1.60	20	4.30	2.40	15	13.00	2.50	10
7.10	1.60	20	5.30	2.40	15	14.00	2.50	10
4.00	2.00	20	5.60	2.40	15	15.00	2.50	10
6.00	2.00	20	7.60	2.40	15	17.00	2.50	10
13.00	1.50	15	8.30	2.40	15	18.00	2.50	10
9.10	1.60	15	8.60	2.40	15	19.00	2.50	10
10.10	1.60	15	16.00	1.50	10	9.00	3.00	10
13.10	1.60	15	14.00	2.00	10	10.00	3.00	10
8.00	2.00	15	16.00	2.00	10	11.00	3.00	10

This 500 piece kit contains 75 Shore A fluorocarbon o-rings in 36 metric sizes.



KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

O-RING KITS

O-RING WAREHOUSE KIT

Part Number: 568 WH KIT

DASH NUMBER	QTY	DASH NUMBER	QTY	DASH NUMBER	QTY
001 THRU 016	20	125 THRU 142	5	325 THRU 328	5
017 THRU 024	10	143 THRU 146	3	329 THRU 330	4
025 THRU 031	7	147 THRU 151	2	331 THRU 338	2
032 THRU 043	5	210 THRU 216	10	901 THRU 914	5
044 THRU 046	2	217 THRU 229	5	916, 918	5
110 THRU 116	15	230 THRU 232	3	920, 924	5
117 THRU 124	10	233 THRU 237	2	928, 932	5

Our O-ring Warehouse kit is ideally suited for the repair shop that needs a large on-hand selection of O-rings to ensure quick repair of all machine types. 1,110 O-Rings in 150 different sizes are included in this kit. Each size is individually packaged in heavy duty ziploc bags to protect against environmental exposure and contamination. All packages are then stored in a sturdy styrene cabinet with pull-out drawers for easy access to parts. Included card shows size, dimensions, and drawer location for each ring.



90 DUROMETER O-RING WAREHOUSE KIT

Part Number: 568 WH KIT-90D

DASH NUMBER	QTY	DASH NUMBER	QTY
001 THRU 016-90D	20	217 THRU 229-90D	5
017 THRU 024-90D	10	230 THRU 232-90D	3
025 THRU 031-90D	7	233 THRU 237-90D	2
032 THRU 043-90D	5	325 THRU 328-90D	5
044 THRU 046-90D	2	329 THRU 330-90D	4
110 THRU 116-90D	15	331 THRU 338-90D	2
117 THRU 124-90D	10	901 THRU 914-90D	5
125 THRU 142-90D	5	916, 918-90D	5
143 THRU 146-90D	3	920, 924-90D	5
147 THRU 151-90D	2	928, 932-90D	5
210 THRU 216-90D	10		

Our 90 Durometer O-ring Warehouse kit is ideally suited for the repair shop that needs a large on-hand selection of O-Rings to insure quick repair of all machine types. 1,110 O-Rings in 150 different sizes are included in this kit.



FLUOROCARBON O-RING WAREHOUSE KIT

Part Number: 568 WH KIT-FC

DASH NUMBER	QTY	DASH NUMBER	QTY	DASH NUMBER	QTY
001 THRU 016V	20	125 THRU 142V	5	325 THRU 328V	5
017 THRU 024V	10	143 THRU 146V	3	329 THRU 330V	4
025 THRU 031V	7	147 THRU 151V	2	331 THRU 338V	2
032 THRU 043V	5	210 THRU 216V	10	901 THRU 914V	5
044 THRU 046V	2	217 THRU 229V	5	916V, 918V	5
110 THRU 116V	15	230 THRU 232V	3	920V, 924V	5
117 THRU 124V	10	233 THRU 237V	2	928V, 932V	5

Our 75 Durometer Fluorocarbon O-ring Warehouse kit is ideally suited for the repair shop that needs a large on-hand selection of O-rings to ensure quick repair of all machine types. 1,110 O-Rings in 150 different sizes are included in this kit. Each size is individually packaged in heavy duty ziploc bags to protect against environmental exposure and contamination. All packages are then stored in a sturdy styrene cabinet with pull-out drawers for easy access to parts. Included card shows size, dimensions, and drawer location for each ring.



O-RING KITS

MAX O-RING KIT

Part Number: MAX 1381 KIT



Part Number: MAX 1381 KIT-90D



These sturdy kits, packaged in a heavy duty box, contain 1415 O-Rings in the most popular sizes. Every service truck should have one of these. Five internal boxes contain 1/16" C/S, 3/32" C/S, 1/8" C/S, Boss, and Flange fitting o-rings. Contents and quantities are listed below.

Flange Seals

DASH NUMBER	QTY
8	10
12	10
16	10
20	5
24	5
32	5

Boss O-Rings

DASH NUMBER	QTY
903	15
904	25
905	15
906	25
908	25
910	25
912	15
916	10

1/16" C/S O-Rings

DASH NUMBER	QTY
006 THRU 018	25
019 THRU 021	20
022 THRU 026	15
028	15
029	10
030	10

1/8" C/S O-Rings

DASH NUMBER	QTY
210 THRU 214	20
215 THRU 222	15
223 THRU 224	10
226	10
228	10
232	10
236	10

3/32" C/S O-Rings

DASH NUMBER	QTY
109 THRU 118	25
119 THRU 120	20
121 THRU 127	15
128	10
129	10
131	10
133	10
135	5

O-RING KITS

COMMON JAPANESE SIZE O-RINGS IN 70 DUROMETER

Part Number: METRIC O KIT-J

I.D.	C.S	QTY	I.D.	C.S	QTY
2.8	1.9	25	20.8	2.4	8
3.8	1.9	20	21.8	2.4	8
4.8	1.9	20	24.4	3.1	6
5.8	1.9	20	29.4	3.1	7
6.8	1.9	15	21.7	3.5	5
7.8	1.9	15	22.1	3.5	5
8.8	1.9	15	23.7	3.5	7
9.8	1.9	15	24.7	3.5	7
9.8	2.4	15	25.2	3.5	7
10.8	2.4	15	25.7	3.5	7
11.0	2.4	15	27.7	3.5	7
11.8	2.4	12	28.7	3.5	6
12.8	2.4	12	29.2	3.5	6
13.8	2.4	12	29.7	3.5	6
14.8	2.4	12	30.7	3.5	6
15.8	2.4	12	31.2	3.5	6
17.8	2.4	8	14.5	4.0	4
19.8	2.4	8	23.5	4.0	6



This 380 piece kit contains the most popular Japanese Industrial metric O-ring sizes.

COMMON EUROPEAN SIZE O-RINGS IN 70 DUROMETER

Part Number: METRIC O KIT-E

I.D.	C.S.	QTY	I.D.	C.S.	QTY
5.0	1.5	20	19.0	2.0	10
13.0	1.5	15	20.0	2.0	10
16.0	1.5	10	4.3	2.4	15
2.2	1.6	20	5.3	2.4	15
3.1	1.6	20	5.6	2.4	15
4.1	1.6	20	7.6	2.4	15
7.1	1.6	20	8.3	2.4	15
9.1	1.6	15	8.6	2.4	15
10.1	1.6	15	10.0	2.5	10
13.1	1.6	15	13.0	2.5	10
4.0	2.0	20	14.0	2.5	10
6.0	2.0	20	15.0	2.5	10
8.0	2.0	15	17.0	2.5	10
9.0	2.0	15	18.0	2.5	10
10.0	2.0	15	19.0	2.5	10
12.0	2.0	15	9.0	3.0	10
14.0	2.0	10	10.0	3.0	10
16.0	2.0	10	11.0	3.0	10



This 500 piece kit contains the most popular European metric O-ring sizes.

O-RING KITS

COMMON JAPANESE SIZE O-RINGS IN 90 DUROMETER

Part Number: METRIC O KIT-J-90D

I.D.	C.S	QTY	I.D.	C.S	QTY
2.8	1.9	25	20.8	2.4	8
3.8	1.9	20	21.8	2.4	8
4.8	1.9	20	24.4	3.1	6
5.8	1.9	20	29.4	3.1	7
6.8	1.9	15	21.7	3.5	5
7.8	1.9	15	22.1	3.5	5
8.8	1.9	15	23.7	3.5	7
9.8	1.9	15	24.7	3.5	7
9.8	2.4	15	25.2	3.5	7
10.8	2.4	15	25.7	3.5	7
11.0	2.4	15	27.7	3.5	7
11.8	2.4	12	28.7	3.5	6
12.8	2.4	12	29.2	3.5	6
13.8	2.4	12	29.7	3.5	6
14.8	2.4	12	30.7	3.5	6
15.8	2.4	12	31.2	3.5	6
17.8	2.4	8	14.5	4.0	4
19.8	2.4	8	23.5	4.0	6

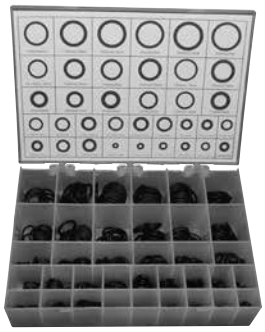


This 380 piece kit contains the most popular Japanese Industrial metric O-ring sizes in 90 durometer NBR.

COMMON EUROPEAN SIZE O-RINGS IN 90 DUROMETER

Part Number: METRIC O KIT-E-90D

I.D.	C.S.	QTY	I.D.	C.S.	QTY
5.0	1.5	20	19.0	2.0	10
13.0	1.5	15	20.0	2.0	10
16.0	1.5	10	4.3	2.4	15
2.2	1.6	20	5.3	2.4	15
3.1	1.6	20	5.6	2.4	15
4.1	1.6	20	7.6	2.4	15
7.1	1.6	20	8.3	2.4	15
9.1	1.6	15	8.6	2.4	15
10.1	1.6	15	10.0	2.5	10
13.1	1.6	15	13.0	2.5	10
4.0	2.0	20	14.0	2.5	10
6.0	2.0	20	15.0	2.5	10
8.0	2.0	15	17.0	2.5	10
9.0	2.0	15	18.0	2.5	10
10.0	2.0	15	19.0	2.5	10
12.0	2.0	15	9.0	3.0	10
14.0	2.0	10	10.0	3.0	10
16.0	2.0	10	11.0	3.0	10



This 500 piece kit contains the most popular European metric O-ring sizes in 90 durometer NBR.

O-RING SPLICE KITS

O-RING SPLICE KIT
INCH SIZES

Part Number: 568 SPLICE KIT

Kit Contains:
1. Stock of 70 Durometer Buna O-ring Cord*
2. Razor Blade
3. Splicing tool
4. Tube of Adhesive

Replacement Parts

Parts:
568 SPLICE TOOL
568 ADHESIVE
70 Duro. Cord



***Cross Sections:** 1/16"(.070), 3/32"(.103), 1/8"(.139), 3/16"(.210), 1/4"(.275).
Length: 7 Feet Each

O-RING SPLICE KIT
INCH& METRIC SIZES

Part Number: MET/INCH SPLICE KIT

This kit can produce O-Rings of any standard inch size cross-section plus a wide variety of metric sizes. Each kit contains quick drying adhesive, cutting and splicing jig, razor blade, and 14 lengths of 70 Durometer Buna-N cord stock as follows:

Inch cross-sections: (inch)
1/16" (.070), 3/32" (.103), 1/8" (.139),
3/16" (.210), 1/4" (.275)
Metric cross-sections: (mm)
1.6, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 5.7, 8.4
Length: 1 Meter Each



These kits can produce O-Rings of any circumference. The 568 kit contains the most popular inch cross sectional sized O-ring cord. The Metric and Inch Kit has both standard inch size cross sectional cord plus a wide variety of metric sized cord. Both kits contain quick drying adhesive, a cutting and splicing jig, a razor blade and 70 Durometer Buna-N cord.

FLUOROCARBON O-RING SPLICE KIT
INCH SIZES

Part Number: 568 FC SPLICE KIT

Kit Contains:
1. Stock of 75 Durometer Fluorocarbon Cord*
2. Razor Blade
3. Splicing tool
4. Tube of Adhesive

Replacement Parts

Parts:
568 SPLICE TOOL
568 ADHESIVE
75 Duro. Fluorocarbon Cord



***Cross Sections:** 1/16" (.070), 3/32"(.103), 1/8"(.139), 3/16"(.210), 1/4"(.275). **Length:** 7 Feet Each

BACK-UP RING KITS

574 BACK-UP RING KIT

Part Number: 574 KIT

PART NUMBER	QTY	PART NUMBER	QTY
574-005	10	574-114	10
574-006	10	574-115	10
574-007	10	574-116	10
574-008	10	574-117	5
574-009	10	574-118	5
574-010	10	574-119	5
574-011	10	574-120	5
574-012	10	574-121	5
574-013	10	574-210	7
574-014	10	574-211	7
574-015	10	574-212	7
574-016	10	574-213	7
574-017	10	574-214	5
574-018	10	574-215	5
574-110	10	574-216	5
574-111	10	574-217	5
574-112	10	574-218	5
574-113	10	574-219	5



This 293 piece kit contains 36 of the most popular size “Parback®” Style Dished Cross Section back-up rings. Molded of 90A Durometer Buna-N Rubber, they stretch for installation and return quickly to their original size. SIZES CORRESPOND TO O-RING NUMBERS. Your shop and service truck should not be without this handy kit.

575 BACK-UP RING KIT

Part Number: 575 KIT

PART NUMBER	QTY	PART NUMBER	QTY
575-111	25	575-216	25
575-112	25	575-217	15
575-113	25	575-218	15
575-114	25	575-219	15
575-115	25	575-220	15
575-116	25	575-221	15
575-210	25	575-222	15
575-211	25	575-223	15
575-212	25	575-224	15
575-213	25	575-325	10
575-214	25	575-326	10
575-215	25	575-327	10



This 475 piece kit contains 24 of the most popular size urethane back-up rings. This assortment is essential for parts counters, shop use, and service trucks.

PTFE BACK-UP RING KIT

Part Number: 575 PTFE KIT S

PART NUMBER	QTY	PART NUMBER	QTY
575-005ST	15	575-114ST	10
575-006ST	15	575-115ST	10
575-007ST	15	575-116ST	10
575-008ST	15	575-117ST	5
575-009ST	15	575-118ST	5
575-010ST	15	575-119ST	5
575-011ST	15	575-120ST	5
575-012ST	15	575-121ST	5
575-013ST	10	575-210ST	5
575-014ST	10	575-211ST	5
575-015ST	10	575-212ST	5
575-016ST	10	575-213ST	5
575-017ST	10	575-214ST	5
575-018ST	10	575-215ST	5
575-110ST	10	575-216ST	5
575-111ST	10	575-217ST	5
575-112ST	10	575-218ST	5
575-113ST	10	575-219ST	5

This 325 piece kit contains 36 of the most popular size PTFE Back-up Rings. These rings are compatible with all hydraulic fluids, since they are virtually chemically inert, and can be used in applications involving elevated operating temperatures. These rings are scarf cut to facilitate installation.



RETAINER RING KITS

SPIRAL WOUND

Part Number: SRR KIT

PART NUMBER	QTY.	PART NUMBER	QTY.
WHM-050	12	WSM-050	12
WHM-062	12	WSM-062	12
WHM-075	12	WSM-075	12
WHM-087	12	WSM-087	12
WHM-100	12	WSM-100	12
WHM-112	12	WSM-112	12
WHM-125	12	WSM-125	12
WHM-137	12	WSM-137	12
WHM-150	12	WSM-150	12



EATON

Part Number: ERR KIT

PART NUMBER	QTY.	PART NUMBER	QTY.
NAN-050	12	XAN-050	12
NAN-062	12	XAN-062	12
NAN-075	12	XAN-075	12
NAN-087	12	XAN-087	12
NAN-100	12	XAN-100	12
NAN-112	12	XAN-112	12
NAN-125	12	XAN-125	12
NAN-137	12	XAN-137	12
NAN-150	12	XAN-150	12



Each kit contains: 18 sizes - 9 internal, 9 external • 216 rings per box • 12 rings per size

Each kit has an assortment of retainer rings (Spiral and Eaton style) packed in a reusable plastic box. All rings are made in the USA from carbon spring steel.

EXTERNAL RETAINER RINGS

Part Number: 310 KIT

PART NUMBER	SHAFT SIZE	QTY.	PART NUMBER	SHAFT SIZE	QTY.
310-100	1.000	5	310-200	2.000	5
310-125	1.250	5	310-225	2.250	5
310-137	1.375	5	310-250	2.500	5
310-150	1.500	5	310-275	2.750	3
310-175	1.750	5	310-300	3.000	3



These assortments contain the most popular size retainer rings commonly used in many application such as pumps, motors, and forklift cylinders. Boxed in a handy storage and display case, which will supply your shop, service truck, or parts counter with the sizes you need!

INTERNAL RETAINER RINGS

Part Number: 300 KIT

PART NUMBER	BORE SIZE	QTY.	PART NUMBER	BORE SIZE	QTY.
300-075	0.750	10	300-200	2.000	10
300-087	0.875	10	300-225	2.250	5
300-100	1.000	10	300-250	2.500	5
300-112	1.125	10	300-275	2.750	5
300-125	1.250	10	300-300	3.000	5
300-137	1.375	10	300-350	3.500	5
300-150	1.500	10	300-400	4.000	5
300-162	1.625	10	300-450	4.500	2
300-175	1.750	10	300-500	5.000	2



ASSORTMENT KITS

CAT® D-RING KIT

Part Number: CTC-4C4784

PART NUMBER	ID	QTY.
1P3700	19.0	10
1P3702	25.4	10
1P3703	31.9	10
1P3704	38.2	10
1P3705	44.7	10
1P3706	51.1	10
1P3707	54.2	10
1P3708	57.4	5
1P3709	63.9	5



This handy kit, in an unbreakable box, contains the 9 most popular sized D-Rings used on Caterpillar® equipment.

CAT® SILICONE O-RING KIT

Part Number: CTC-4C8253

PART NUMBER	QTY.	PART NUMBER	QTY.
8M4986	10	8M4992	3
8M8157	5	8M4443	3
8M4437	10	9M9647	3
8M4438	5	8M5010	3
8M4389	5	1S0004	5
8M8283	3	9H6067	5
8M5252	3	9M4849	5
8M5661	3	8M4991	3
8M8515	5	2S2251	5
8M4432	5	8M4390	3
8M5248	5	8M4435	5
8M5254	5	8M4445	5
9M7002	3	8M4446	5
8M4436	3	8M4988	5
8M4987	10	8M4990	3
8M5249	5	6L1651	3



This handy kit, in an unbreakable box, contains 149 silicone o-rings in the 32 most popular sizes used on Caterpillar® equipment.

CAT® FLANGE KIT

Part Number: CTC-2701545

PART NUMBER	QTY.
4J0524	10
4J0527	10
4J0522	10
4J5267	10
4J5140	10
4J0520	10



CAT® NITRILE O-RING KIT

Part Number: CTC-4C4782

PART NUMBER	QTY.	PART NUMBER	QTY.
4J0527	10	3D2824	20
4J7533	20	2S4078	20
7J0204	20	4J0524	15
3J7354	20	6V9746	20
1J9671	20	5K9090	20
3J1907	20	6V8400	20
4K1388	20	8T0315	20
4J0526	10	6K6307	20
4J0522	15	4J0523	15
4J0520	15	4J5477	20
4J5267	20	6V8397	20
2M9780	20	6V8398	20
7M8485	20	7J9108	20
4J0525	10	3K0360	20
4J0519	15	304606	20
4J5140	20		



This handy kit, in an unbreakable box, contains 570 nitrile o-rings in the 32 most popular sizes used on Caterpillar® equipment.

ASSORTMENT KITS

JOHN DEERE O-RING KIT

Part Number: JD-32X451



This John Deere O-Ring kit contains a total of 451 components, 70 Shore A and 90 Shore A O-rings. OEM parts numbered for easy reference.

CONTENTS OF KIT
- 160 flat-face fittings
- 291 low pressure fittings

PART NUMBER	QTY.	PART NUMBER	QTY.
R26976	20	T76938*	20
R27490	20	R495R	10
A4365R	20	R27149	10
T77814*	20	A4730R*	10
T77613*	20	T78612*	20
T77857*	20	A3606R	10
F3353R	13	R1225R	10
P46051	13	R29463	10
R394R	13	U12037	10
R459R	13	T78784*	20
T77932*	20	R30319	10
R34404	13	U10289	10
T77858*	20	T11220	10
P47889	13	R31378	10
32240	13	B3690R	10
B2762R	10	P50631	10

* Used for ORS fittings.

JOHN DEERE O-RING KIT

Part Number: JD-AT85197

PART NUMBER	FITTING.	QTY.
T77814	#4	10
T77613	#6	12
T77857	#8	12
T77932	#10	12
T77858	#12	12
T76938	#16	12
T78612	#20	5
T78784	#24	5

This kit contains a total of 80, 90 Durometer o-rings in 8 popular sizes used on John Deere equipment.



KOMATSU O-RING KIT

Part Number: KOM-30-KU-90

This handy kit, in an unbreakable box, contains 74 21T series o-rings & 165 07000-1 series o-rings in the most popular sizes used on Komatsu equipment.



PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.
21T-09-11410	10	07000-12010	10	07000-13025	7
21T-09-11420	8	07000-12011	10	07000-13028	7
21T-09-11430	7	07000-12012	10	07000-13030	7
21T-09-11440	7	07000-12014	10	07000-13032	7
21T-09-11450	7	07000-12015	10	07000-13035	7
21T-09-11460	7	07000-12016	10	07000-13038	5
21T-09-11470	7	07000-12018	10	07000-13040	9
21T-09-11480	7	07000-12020	10	07000-13042	7
21T-09-11490	7	07000-12055	8	07000-13045	7
21T-09-11510	7	07000-13022	7	07000-13048	7

ASSORTMENT KITS

THE ULTIMATE NITRILE O-RING ASSORTMENT

Part Number: 568 KIT-ULTIMATE



Includes: 12 drawers and 3 slide racks, plus base. Total weight 232 lbs.

214 Items, 1324 Pieces.

Sizes Include:

-001 THRU -010

-012 THRU -050

-106 THRU -163

-204 THRU -262

-314 THRU -355

-425 THRU -429

3 racks - each one is: 20” wide x 15-3/4” deep x 15” high
1 base - 20-3/8” wide x 16” deep x 15-1/8” high
Approximately 61” from top to bottom

THE ULTIMATE FLUOROCARBON O-RING ASSORTMENT

Part Number: 568 FC KIT-ULTIMATE



Includes: 12 drawers and 3 slide racks, plus base. Total weight 232 lbs.

214 Items, 1324 Pieces.

Sizes Include:

-001 THRU -010

-012 THRU -050

-106 THRU -163

-204 THRU -262

-314 THRU -355

-425 THRU -429

3 racks - each one is: 20” wide x 15-3/4” deep x 15” high
1 base - 20-3/8” wide x 16” deep x 15-1/8” high
Approximately 61” from top to bottom

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

ASSORTMENT KITS

COTTER PIN KIT

Part Number: COTTER PIN KIT



555 Pieces	1/8" X 1-1/4" 75 pcs.	3/32" X 1" 150 pcs.
	1/8" X 1-1/4" 75 pcs.	3/32" X 1-1/2" 100 pcs.
	1/8" X 2" 50 pcs.	5/32" X 2-1/2" 30 pcs.



WOODRUFF KEY KIT

Part Number: WOODRUFF KEYS KIT



65 Pieces	1/8" X 1/2" No. 3 16 pcs.	1/8" X 5/8" No. 5 15 pcs.
	3/32" X 5/8" No. 6 15 pcs.	3/16" X 3/4" No. 9 10 pcs.
	1/4" X 7/8" No. A 5 pcs.	1/4" X 1" No. 15 4 pcs.



GREASE FITTING KIT

Part Number: GREASE FITTING KIT



32 Pieces	1/8" NPT Straight 6 pcs.	1/4" - 28 Straight 6 pcs.
	3/16" Drive Straight 4 pcs.	1/8" NPT 45 1/8" NPT 90 3 pcs. ea.
	1/4" - 28 45 1/4" - 28 90 3 pc. ea.	5/16" Drive Straight 4 pcs



GREASE FITTING KIT-A

Part Number: GREASE FITTING KIT-A



100 Pieces	1/8" PT Straight 25 pcs.	1/8" PT 45° 1/8" PT 90° 1/8" PT 7.5° 5 pcs.
	1/4"-28 PT Straight 50 pcs.	1/4"-28 PT 45° 1/4"-28 PT 90° 5 pcs.



NYLON PLUG KIT

Part Number: NYLON PLUG KIT





220 Pieces 11 Sizes	Nyplug-125-125 1/8" x 1/8" 20 pcs.	Nyplug-187-109 3/16" x 7/64" 20 pcs.	Nyplug-250-125 1/4" x 1/8" 20 pcs.	
	Nyplug-125-156 1/8" x 5/32" 20 pcs.	Nyplug-187-187 3/16" x 3/16" 20 pcs.	Nyplug-250-187 1/4" x 3/16" 20 pcs.	Nyplug-312-125 5/16" x 1/8" 20 pcs.
	Nyplug-125-875 1/8" x 7/8" 20 pcs.	Nyplug-187-250 3/16" x 1/4" 20 pcs.	Nyplug-250-250 1/4" x 1/4" 20 pcs.	Nyplug-375-250 3/8" x 1/4" 20 pcs.

SET SCREW KIT

Part Number: SSK-INCH



Use these set screws in confined areas, where there is no room for a protruding head. Nine coarse sizes, three fine sizes.

Hex wrench shown not included. Coarse sizes: 1/8"-40 x 3/16", 5/32"-32 x 3/16", 3/16"-24 x 1/4", 1/4"-20 x 1/4", 1/4"-20 x 3/8", 5/16"-18 x 3/8", 5/16"-18 x 1/2", 3/8"-16 x 3/8", and 3/8"-16 x 1/2".

Fine sizes: 1/4"-28 x 1/4", 5/16"-24 x 3/8", 3/8"-24 x 3/8"

ASSORTMENT KITS & INSTALLATION TOOLS

CAP PLUG KIT

Part Number: CAP PLUG KIT



Our new and improved cap plug kit contains 22% more cap plugs in an environmentally friendly corrugated box. Separated areas hold 625 cap plugs in 24 of the most popular sizes.

Cap Plug Number	QTY	Cap Plug Number	QTY	Cap Plug Number	QTY
CAP-2-X	50	CAP-PD-100	25	CAP-G-22	20
CAP-4	50	CAP-PD-120	25	CAP-G-25	20
CAP-6-X	50	CAP-PD-140	20	CAP-G-27	20
CAP-9	50	CAP-PD-160	20	CAP-P-28	25
CAP-12-X	25	CAP-G-2	20	CAP-P-38	25
CAP-14	20	CAP-G-8	20	CAP-P-48	25
CAP-PD-60	25	CAP-G-14	20	CAP-P-68-H	25
CAP-PD-80	25	CAP-G-18	20	CAP-P-88-H	20

CAP PLUG CASE

Part Number: CAP PLUG CASE

This rugged case has 24 empty compartments to hold a limited variety of cap plugs from the master kit (shown above).

Case only - cap plugs sold separately.



SEAL TOOL KIT

Part Number: SEAL TOOL KIT

Kit contains:
- Piston seal compressor
- Pick set
- Pi Tape
- Seal installation tool set
- Wear strip cutter
- O-ring adhesive
- Precision cord cutter
- Seal install and remove tool
- O-ring detector



QUALITY ROD U-SEAL INSTALLATION TOOLS





Part Number	Seal ID Range		Max Heel Cross Section
IT 100	3/4" to 1-1/4"	19 - 31 mm	0.300"
IT 150	1-3/8" to 1-7/8"	35 - 47 mm	0.360"
IT 200	2" to 3"	51 - 76 mm	0.600"
IT 100-NN	3/4" to 1-1/4"	19 - 31 mm	0.300"
IT 150-NN	1-3/8" to 1-7/8"	35 - 47 mm	0.360"
IT 200-NN	2" to 3"	51 - 76 mm	0.600"

These tools aid U-seal installation, eliminating the risk of damaging the seal lip.

VALUE ROD U-SEAL INSTALLATION TOOLS



Part Number	Seal ID Range	
SEAL TWISTOR M	1-3/16" to 2"	30 - 50 mm
SEAL TWISTOR L	2" to 2-3/4"	50 - 70 mm
SEAL TWISTOR XL	2-3/4" to 6-1/2"	70 - 165 mm

These tools aid Rod U-seal installation, eliminating the risk of damaging the seal lip.

INSTALLATION / SPLICING / CUTTING TOOLS

INSTALLATION TOOL SET

Part Number: IT TOOL SET-A

Sizes Included	Max Heel Cross Section
S (22 - 30 mm)	6.6 mm
M (30 - 50 mm)	10.7 mm
L (50 - 70 mm)	19.3 mm
XL (70 - 165 mm)	27.1 mm

This handy tool set has 4 different size installation tools, along with a holder.



O-RING SPLICE TOOL

Part Number: OR SPLICER

- Splicing tool for o-rings
- For cross section diameter from 2.5 to 20 mm
- Clamping plates for locking
- Aluminium stands for use with glue or heat



SEAL CLASPER

Part Number: SEAL CLASPER



The Seal clasper is designed to press a PTFE piston seal back into the groove. The clasper works on seals from 50mm to 360mm OD. It allows a piston seal to be installed into a cylinder safely and rapidly.

The stainless steel belt can be adjusted according to the dimension of seals. The HPU triangle protector prevents seal damage.

How to use:
1. Adjust the length of stainless steel belt to match the seal.
2. Pull the grid to clasp the PTFE piston seal back into groove.

O-RING SPLICE KIT

Part Number: OR SPLICE KIT

Kit contains:
- Splice iron
- Pi tape
- Grinding tool
- O-ring adhesive
- Precision cord cutter
- Splice tool



SPLICE IRON

Part Number: SEAL HEATER



100 to 400°C

WEAR STRIP CUTTER

Part Number: WS CUTTER



Cut your own wear rings to exact dimensions.

CUTTING / CHOPPING / REMOVAL TOOLS

CUTTER BLADES

Part Number: WS CUTTER BLADE



Quantity of 10 Wear Strip Cutter Blades.

OIL SEAL REMOVAL & INSTALLATION TOOL

Part Number: SR TOOL



O-RING CORD CHOPPER

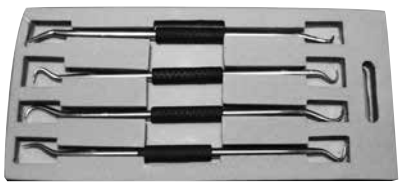
Part Number: ORC CHOPPER



- Cuts o-ring cord to prepare it for splicing
- Suitable for cross section from 0.103 to 0.551 inches (2.62 to 14 mm)

O-RING PICK SET

Part Number: OR HOOK



This Value package of O-ring Picks in plastic carrying case, aid in the installation and extraction of O-rings.

CHOPPER BLADES

Part Number: ORC CHOPPER BLADE



Quantity of 20 Chopper Blades.

O-RING PICK SET 1

Part Number: O-RING PICK

These Bronze O-ring Picks, w/ black vinyl case, aid in the installation and extraction of O-rings.



KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

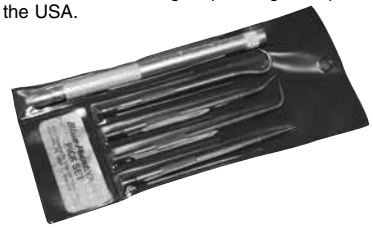
TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

REMOVAL TOOLS

O-RING PICK SET 2

Part Number: O PICK SET

Designed for heavy duty use and packaged in a clear vinyl pouch, this kit contains a knurled handle and four screw-in picks with different hook configurations. Set includes straight tip, o-ring 90° tip, hook tip, and angle tip. Made in the USA.



SNAP-ON O-RING PICK SET 4

Part Number: MAXI PICK SET

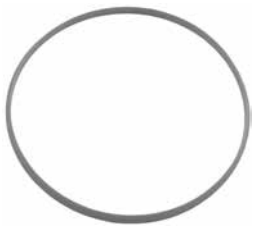
Designed for heavy duty use and packaged in a plastic pouch, these highly visible picks feature screwdriver-type colored handles. Set includes awl, hook tip, 45° bent tip tool, and 90° bent tip tool. Made in the USA.





GLAND REMOVAL TOOLS

Part Number	Bore Diameter
JD-6.00X0.40-IT	6"
JD-70MM-IT	70 mm
JD-80MM-IT	80 mm
JD-90MM-IT	90 mm
JD-100MM-IT	100 mm



CHEVRON ASSEMBLY TOOL

Part Number: CM-376-9067-001

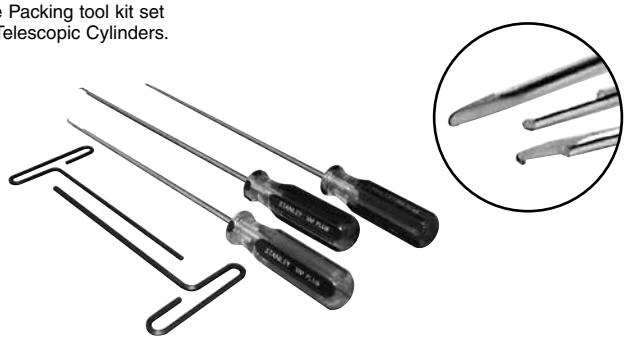
Vee Packing assembly tool for Telescopic Cylinders.



5 PIECE TOOL KIT SET

Part Number: CH-TK-1

Vee Packing tool kit set for Telescopic Cylinders.



8 PIECE O-RING PICK SET

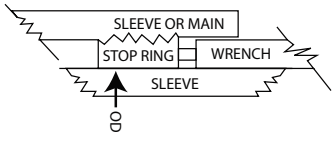
Part Number: O PICK SET-A

This economical seal pick tool set lowers your chance of surface damage. It contains 8 different hard metal hooks with sturdy plastic handles.



STOP RING WRENCH

Part Number	Sleeve or Plunger O.D.	Pins
CM-376-6067-047	2-3/4"	5 Pins
CM-376-6067-048	3-3/4"	5 Pins
CM-376-6067-049	4-3/4"	5 Pins
CM-376-6067-050	5-3/4"	5 Pins
CM-376-6067-051	6-3/4"	5 Pins
CM-376-6067-052	7-7/8"	5 Pins
CM-376-6067-053	9-3/8"	5 Pins
CM-391-2086-007	Replacement Stop Wrench Pin	





REMOVAL TOOLS

11 PIECE PACKING TOOL KIT

Part Number: PACK TOOL SET-11



Part Number	QTY	Part Number	QTY
FPH-312R	2	FPH-RTC312	3
FPH-437R	2	FPH-RTC437	3
SSP-125	1	WRENCH	1
SSP-187	1	BOX	1
SSP-312	1		

REPLACEABLE WOODSCREW TIPS

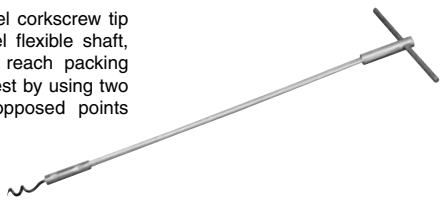
Part Number	Packing Space
FPH-RTW312	5/16”-up
FPH-RTW437	7/16”-up
FPH-RTW500	1/2"-up



FLEXIBLE PACKING HOOKS

Part Number	Packing Space	Length
FPH-187	3/16”-up	6-1/2”
FPH-312R	5/16”-up	7-1/2”
FPH-437R	7/16”-up	10-1/2”
FPH-500R	1/2”-up	14-1/2”

With a tempered tool steel corkscrew tip and a woven strand steel flexible shaft, this tool makes hard to reach packing easy to pull out. Works best by using two hooks at diametrically opposed points (180°).



17 PIECE PACKING TOOL KIT

Part Number: PACK TOOL SET-17



Part Number	QTY	Part Number	QTY
FPH-312R	2	FPH-RTC437	3
FPH-437R	2	FPH-RTC500	3
FPH-500R	2	FPH-RTW312	1
SSP-125	1	FPH-RTW437	1
SSP-187	1	FPH-RTW500	1
SSP-312	1	WRENCH	1
FPH-RTC312	3	BOX	1

REPLACEABLE CORKSCREW TIPS

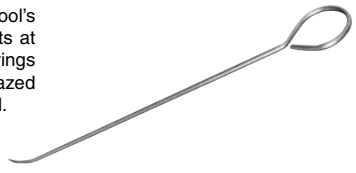
Part Number	Packing Space
FPH-RTC312	5/16”-up
FPH-RTC437	7/16”-up
FPH-RTC500	1/2”-up



SOLID SHAFT PICKS

Part Number	Packing Space	Length
SSP-125	1/8 -up	9-1/2”
SSP-187	3/16 -up	10"
SSP-312	5/16”-up	10”

Formed from hardened steel, this tool’s length and sharp angled point gets at hard to reach o-rings, back-up rings and braided packing. You’ll be amazed at all the uses you find for this tool.



KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

DISMANTLING TOOLS

SPANNER WRENCHES

(1) ADJUSTABLE HEAD — PIN STYLE

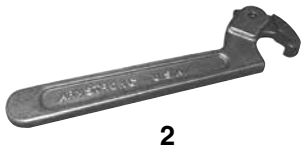
PART NUMBER	PART OD RANGE		PIN DIA.	PIN LGTH.
SPAP-2.00X0.13	3/4" to 2"	(19mm to 50mm)	1/8"	1/8"
SPAP-2.00X0.19	3/4" to 2"	(19mm to 50mm)	3/16"	5/32"
SPAP-3.00X0.19	1-1/4" to 3"	(32mm to 76mm)	3/16"	3/16"
SPAP-3.00X0.25	1-1/4" to 3"	(32mm to 76mm)	1/4"	7/32"
SPAP-4.75X0.25	2" to 4-3/4"	(51mm to 120mm)	1/4"	1/4"
SPAP-6.25X0.38	4-1/2" to 6-1/4"	(115mm to 159mm)	3/8"	1/4"



1

(2) ADJUSTABLE HEAD — HOOK STYLE

PART NUMBER	PART OD RANGE		HOOK WD.	HOOK DP.
SPAH-2.00	3/4" to 2"	(19mm to 50mm)	11/32"	1/8"
SPAH-3.00	1-1/4" to 3"	(32mm to 76mm)	13/32"	5/32"
SPAH-4.75	2" to 4-3/4"	(51mm to 120mm)	15/32"	3/16"
SPAH-6.25	4-1/2" to 6-1/4"	(115mm to 159mm)	15/32"	1/4"
SPAH-8.75	6-1/8" to 8-3/4"	(155mm to 222mm)	15/32"	5/16"



2

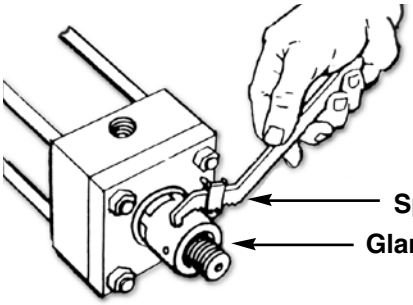
(3) ADJUSTABLE FACE — PIN STYLE

PART NUMBER	DIA. RANGE (CENTER TO CENTER)		PIN DIA.	PIN LGTH.
SPAPF-2.00X0.19	5/8" to 2"	(16mm to 50mm)	3/16"	1/8"
SPAPF-3.00X0.25	5/8" to 3"	(16mm to 76mm)	1/4"	3/16"
SPAPF-4.00X0.31	5/8" to 4"	(16mm to 101mm)	5/16"	1/4"



3

PARKER GLAND WRENCHES



Spanner Wrench (Sold Separately Above)

Gland Wrench



Rod Dia.	Kit #	ID X OD X HT	Spanner (Sold Separately Above)
1/2", 5/8", 12mm & 14mm	PKH-069590	11/16" X 1-1/8" X 1-3/8"	SPAP-2.00X0.19
18mm	PKH-084765	13/16" X 1-1/4" X 1-7/16"	SPAP-2.00X0.19 or SPAP-3.00X0.19
1" & 22mm	PKH-069591	1-1/16" X 1-5/8" X 1-1/2"	SPAP-2.00X0.19 or SPAP-3.00X0.19
28mm	PKH-084766	1-1/4" X 1-11/16" X 1-9/16"	SPAP-2.00X0.19 or SPAP-3.00X0.19
1-3/8" & 36mm	PKH-069592	1-7/16" X 1-7/8" X 1-5/8"	SPAP-2.00X0.19 or SPAP-3.00X0.19
1-3/4" & 45mm	PKH-069593	1-13/16" X 2-1/4" X 1-5/8"	SPAP-3.00X0.25 or SPAP-4.75X0.25
2"	PKH-069594	2-1/16" X 2-1/2" X 2"	SPAP-3.00X0.25 or SPAP-4.75X0.25
2-1/2" & 56mm	PKH-069595	2-9/16" X 3" X 2-1/8"	SPAP-3.00X0.25 or SPAP-4.75X0.25
70mm	PKH-069596	2-15/16" X 3-1/2" X 2-3/8"	SPAP-4.75X0.25

LIFTING SLINGS

We now carries new synthetic web lifting slings which are primarily composed of nylon. Our lifting slings are a soft and flexible solution to rigging and are offered in endless and eye to eye styles. All of the synthetic web slings are constructed with 9800 lbs. maximum load rated heavy duty webbing, and are in full compliance with current ASME B30.9 standards, with a 5:1 safety factor.

Nylon web slings with flat eye to eye loops are one of the most popular straps for lifting because of their versatility: they can be used in a choker, basket or vertical hitch. The design also makes it easy to remove from underneath a load.

Material	Nylon
Max Temperature	180°F
UV Degradation	High

Endless Loop



Eye to Eye



Part Number	Width (in)	Length (ft)	Product	Vertical Load Limit (lbs.)	Choker Load Limit (lbs.)	Basket Load Limit (lbs.)
SLEN1-4	1"	4'	Endless Loop	3200	2500	6400
SLEN1-6	1"	6'	Endless Loop	3200	2500	6400
SLEN2-4	2"	4'	Endless Loop	6400	5000	12800
SLEN2-6	2"	6'	Endless Loop	6400	5000	12800
SLEN2-8	2"	8'	Endless Loop	6400	5000	12800
SLEE1-4	1"	4'	Eye to Eye	1600	1200	3200
SLEE1-6	1"	6'	Eye to Eye	1600	1200	3200
SLEE2-4	2"	4'	Eye to Eye	3200	2400	6400
SLEE2-6	2"	6'	Eye to Eye	3200	2400	6400
SLEE2-8	2"	8'	Eye to Eye	3200	2400	6400

REMANUFACTURING TOOLS

SUNNEN PORTABLE HONES - AN-815 AND ANR-275

Part Number: H-AN-815



Additional sizes and accessories shown below.

Hand Feed - ID Range 64-533 mm (2.500" - 21.000")
For occassional heavy-duty portable honing

Illustration shows standard AN-815 Portable Hone assembled with single length master holder set and stone set. Requires 16 mm (5/8") chuck capacity for 63.5-127 mm (2.5"-5") diameter. Requires 19mm (3/4") chuck capacity for 127-381 mm (5"-15") diameter. Requires 25.4 mm (1") chuck capacity for larger than 381 mm (15") diameter.

Weight 2.3 kg (5 lbs).

Part Number: H-ANR-275



Additional sizes and accessories shown below.

Remote Feed - ID Range 64-533 mm (2.500" - 21.000")
For production heavy-duty honing - to be used in a machine or honing rig.

Illustration shows the ANR-275 Portable Hone assembled with Stone Support, Single Length Master Holder Set, Stone Set and 76 mm (3") Drive Shank. (3/4") chuck capacity for 127-381 mm (5"-15") diameter. Requires 16 mm (5/8") chuck capacity for 63.5-127 mm (2.5-5") diameter. Requires 19 mm (5-15" diameter. Requires 25.4 mm (1") chuck capacity for larger than 381 mm (15") diameter.

Weight 5.2 kg (11.5 lbs).

FOR A COMPLETE PORTABLE HONE ORDER A + B + C + D + E				A - BASIC HONE	B - MASTER HOLDER SETS		C - STONE SUPPORT	D - STONE SET	E - SHAFT EXTEN-SION
Diameter Range									
General Purpose Stone Sets		Guideless and Keyway Stone Sets			Single Length	Double Length			
mm	Inches	mm	Inches		Part Number	Part Number	Part Number		
64-140	2.5-5.5	64-142	2.5-5.6	See Hones H-AN-815 and H-ANR-275 Above	None	None	None	See Table on the next page for portable hone stone sets	For long holes - see table below for Shaft Extensions.
104-160	4.1-6.3	114-165	4.5-6.5		H-AN-345	None	None		
119-178	4.7-7.0	130-183	5.1-7.2		H-AN-355	H-AN-855	None		
152-229	6.0-9.0	163-234	6.4-9.2		H-AN-365	H-AN-865	H-AN-260		
206-305	8.1-12.0	213-310**	8.4-12.2**		H-AN-375	H-AN-875	H-AN-280		
279-381	11.0-15.0	284-386**	11.2-15.2**		H-AN-385	H-AN-885	H-AN-290		
356-457	14.0-18.0	363-465**	14.3-18.3**	See hones above	H-AN-395	H-AN-895	H-AN-340		
432-533	17.0-21.0	437-538**	17.2-21.2**		H-AN-415	H-AN-915	H-AN-450		

* For light work only in this diameter range.
** Do not use WW (Guideless) Stone Sets in this range due to lack of stability.

Length		Drive Shanks	AN-815 Shaft Extensions	AN-275 Shaft Extensions	Master Holder Sets and Stone Supports
					
mm	Inches	Part Number	Part Number	Part Number	
76	3	H-AN-608A**	None	None	
152	6	H-AN-618A*	H-AN-840	None	
235	9.25	None	None	H-ANR-741	
305	12	None	H-AN-841*	None	
483	19	None	None	H-ANR-742	
610	24	None	H-AN-842	None	
1086	42.75	None	None	H-ANR-744	
1220	48	None	H-AN-844	None	
1835	72.25	None	None	H-ANR-746	

The AN-815 is funished with 152 mm (6") Drive Shank and 305 mm (12") Shaft Extension. The ANR-275 is furnished with 76 mm (3") Drive Shank. Other shanks or extensions may be selected from the table above to make up any practical length (either drive shank can be used with any combination of extensions).

Master Holder Sets, listed in the table above, are used with Type W47,WW51 and WY51 Stone Sets. Double Length Master Holders require two stone sets – use when the bore is more than 457 mm (18") long or when it is necessary to bridge interruptions in the bore. Each Master Holder Set consists of two holders for stones and two holders for guides.

Stone Supports are required to give rigidity to the hone assembly when honing bores larger than 178 mm (7") diameter.

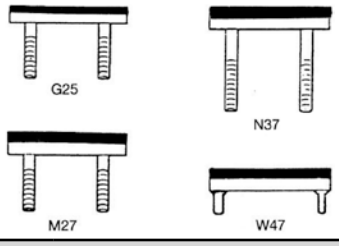
Stone length is 102 mm (4") or 203 mm (8") when two sets of stones are used with double length master holder set.

* Supplied with AN-815 hone. ** Supplied with ANR-275 hone.

REMANUFACTURING TOOLS

SUNNEN HONE STONE SETS FOR AN-815 AND ANR-275

Sunnen Stone Sets for 2.5” to 60”* diameter, portable tools (two stones and two guides per set). Stone length is 102 mm (4") or 203 mm (8") when two sets of stones are used with double length master holder set. For Industrial applications. From fast stock removal in deburred, bored, ground, or reamed holes to fine finishing in previously honed holes, these hone stone sets are in stock and ready for next day delivery.



Stone Number	Diameter
G25	2.5 - 2.7
M27	2.7 - 4.1
N37	3.5 - 5.5
W47	4.1 - 60.0*

* Requires Master Holder Set - Limited to 21" with H-AN-815

ALUMINUM OXIDE STONES

MODEL		G25	M27	N37	W47
GRIT SIZE		64 TO 69 mm 2.5" - 2.7"	69 TO 104 mm 2.7" - 4.1"	89 TO 140 mm 3.5" - 5.5"	104 TO 1524 mm 4.1" - 60"**
80	HARD - SOFT	H-G25-A23 H-G25-A25 H-G25-R25X H-G25-A27	H-M27-A23 H-M27-A25 H-M27-R25X H-M27-A27	H-N37-A23 H-N37-A25 H-N37-R25X H-N37-A27	H-W47-A23 H-W47-A25 H-W47-R25X H-W47-A27
150	H - S	H-G25-A43 H-G25-A45 H-G25-A47 -	H-M27-A43 H-M27-A45 H-M27-A47 H-M27-A49	H-N37-A43 H-N37-A45 H-N37-A47 H-N37-A49	H-W47-A43 H-W47-A45 H-W47-A47 H-W47-A49
220	H-S	-	-	H-N37-A55	H-W47-A55
280	H - S	- H-G25-A65 -	- H-M27-A65 H-M27-A67	- H-N37-A65 -	H-W47-A63 H-W47-A65 H-W47-A67
MODEL		GY25	MY33	NY40	WY51
MAX KEYWAY WIDTH		20.3 mm 0.8"	22.86 mm 0.9"	30.48 mm 1.2"	35.56 mm 1.4"
GRIT SIZE		64 TO 84 mm 2.5" - 3.3"	84 TO 107 mm 3.3" - 4.2"	102 TO 142 mm 4.0" - 5.6"	114 TO 1524 mm 4.5" - 60"**
150	M	H-GY25-A47	H-MY33-A47	H-NY40-A47	H-WY51-A47

SILICON CARBIDE STONES

MODEL		G25	M27	N37	W47
GRIT SIZE		64 TO 69 mm 2.5" - 2.7"	69 TO 104 mm 2.7" - 4.1"	89 TO 140 mm 3.5" - 5.5"	104 TO 1524 mm 4.1" - 60"**
70	HARD - SOFT	- - H-G25-J15 H-G25-J17	- - - H-M27-J17	H-N37-J11 H-N37-J13 - H-N37-J17	H-W47-J11 H-W47-J13 H-W47-J15 H-W47-J17
150	H - S	- H-G25-J45 H-G25-J47	- H-M27-J45 H-M27-J47	H-N37-J43 H-N37-J45 H-N37-J47	H-W47-J43 H-W47-J45 H-W47-J47
220	H - S	H-G25-J55 -	H-M27-J55 H-M27-J57	H-N37-J55 H-N37-J57	H-W47-J55 -
280	H - S	H-G25-J63 H-G25-J65 H-G25-J67	H-M27-J63 H-M27-J65 H-M27-J67	- H-N37-J65 H-N37-J67	H-W47-J63 H-W47-J65 H-W47-J67
400	H - S	H-G25-J85 H-G25-J87	H-M27-J85 H-M27-J87	H-N37-J85 H-N37-J87	H-W47-J85 H-W47-J87

* R25X - Red aluminum oxide / sulfur Impregnated
** Requires Master Holder Set - Limited to 21" with H-AN-815 and H-ANR-275

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

REMANUFACTURING TOOLS

SUNNEN PORTABLE HONES AND STONE SETS FOR H-SNJ-10 AND H-SN-75

Part Number: H-SNJ-10



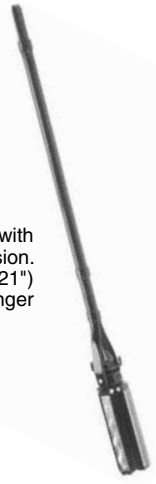
Additional sizes and accessories shown below.

Hand Feed - ID Range 31.8-45.0 mm (1.250" - 1.770")
For occassional portable honing

Illustration shows the SNJ-10 Portable Hone assembled with Stone Set and AN-26A Drive Shank. Will hone bores up to 457 mm (18.0") long as shown; order additional Shaft Extensions for longer bores. Requires 13 mm (1/2") chuck capacity.

Weight .5 kg (1 lb).

Part Number: H-SN-75



Additional sizes and accessories shown below.

Hand Feed - ID Range 44-51 mm (1.750" - 2.000")
For occassional portable honing

Illustration shows the SN-75 Portable Hone assembled with Stone Set, Drive Shank, and 305 mm (12") Shaft Extension. 102 mm (4") stone length. Will hone bores up to 533 mm (21") long as shown; order additional Shaft Extensions for longer bores. Requires 13 mm (1/2") chuck capacity.

Weight 1.4 kg (3 lbs).

To Order:

SNJ-10 and SN-75 Basic Hone include 76 mm (3") Drive Shank, 305 mm (12") Extension, and one Universal Joint.

Additional Shaft Extensions may be ordered from table above to make up any practial length (Drive Shank can be used with any cobination of Extensions).

* Supplied with hone

DRIVE SHANKS			SHAFT EXTENSIONS		
LENGTH			LENGTH		
MM	INCHES	PART NUMBER	MM	INCHES	PART NUMBER
76	3	H-AN-26A*	305	12	H-AN-241*
			610	24	H-AN-242
			1220	48	H-AN-244

SUNNEN STONE SETS FOR H-SNJ-10 PORTABLE HONE

MATERIAL	GRIT SIZE	31.75 TO 36.50 mm 1.250" - 1.437"	36.02 TO 40.74 mm 1.418" - 1.604"	40.13 TO 45.00 mm 1.580" - 1.770"
Aluminum Oxide	150 (4)	H-SNJ1-A45	H-SNJ2-A45	H-SNJ3-A45
Silicon Carbide	150 (4)	H-SNJ1-J45	-	-
	280 (6)	H-SNJ1-J63	H-SNJ2-J63	H-SNJ3-J63
	400 (8)	H-SNJ1-J87	H-SNJ2-J87	H-SNJ3-J87

Consists of 3 stones.

SUNNEN STONE SETS FOR H-SN-75 PORTABLE HONE

MATERIAL	GRIT SIZE	SOFT - HARD	44 TO 51 1.75" - 2.00"
Aluminum Oxide	80 (2)	Hard	H-S18-A25
	150 (4)	Medium	H-S18-A45
Silicon Carbide	150 (4)	Medium	H-S18-J45
	400 (8)	Medium	H-S18-J85

Consists of 2 stones and 2 guides.

REMANUFACTURING TOOLS

SUNNEN PORTABLE HONES FOR H-JN-95

Part Number: H-JN-95



Hand Feed - ID Range 51 - 66 mm (2.000" - 2.600")
For occassional portable honing
JN-95 Basic Portable Hone includes 76 mm (3") Drive Shank, 305 mm (12") Extension, and one Universal Joint. Requires 13 mm (1/2") chuck capacity.
(Illustration shows Portable Hone assembled with Stone Set.)

SUNNEN HONE STONE SETS FOR H-JN-95 PORTABLE HONE

Stone sets for the H-JN-95 Portable Hone (two stones and two guides per set). The stone sets are for 2" to 2.4" diameters. The listed stone sets are in stock and ready for next day delivery.

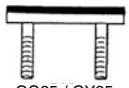
ALUMINUM OXIDE STONES				
MODEL		T20	U22	V24
GRIT SIZE		51 TO 56 mm 2" - 2.2"	56 TO 61 mm 2.2" - 2.4"	61 TO 66 mm 2.2" - 2.4"
80	H-S	H-T20-A25	H-U22-A25	H-V24-A25
150	H-S	H-T20-A45	H-U22-A45	H-V24-A45
280	H-S	H-T20-A65	H-U22-A65	-

SILICON CARBIDE STONES				
MODEL		T20	U22	V24
GRIT SIZE		51 TO 56 mm 2" - 2.2"	56 TO 61 mm 2.2" - 2.4"	56 TO 61 mm 2.2" - 2.4"
150	H-S	H-T20-J45	-	-
280	H-S	-	-	H-V24-J65
400	H-S	H-T20-J85 -	- H-U22-J87	- H-V24-J87

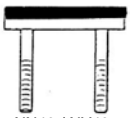
ADDITIONAL SUNNEN HONE STONE SETS AVAILABLE

SUNNEN HONE STONE SETS

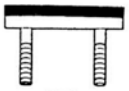
Sunnen Stone Sets for 2.5" to 60"* diameter, portable tools (two stones and two guides per set). For Industrial applications. From fast stock removal in deburred, bored, ground, or reamed holes to fine finishing in previously honed holes, these hone stone sets are in stock and ready for next day delivery.



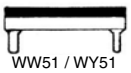
GG25 / GY25



NN40 / NY40



MM33 / MY33



WW51 / WY51

Stone Number	Diameter
Gx25	2.5 - 3.3
Mx33	3.3 - 4.2
Nx40	4.0 - 5.6
Wx51	4.5 - 60*

* Requires the use of Master Holders

PART NUMBER	BORE SIZE	MATERIAL	GRIT SIZE	HARDNESS
H-GY25-A45	2.500 - 3.300	Aluminum Oxide	150	Medium
H-GY25-J85	2.500 - 3.300	Silicon Carbide	400	Medium
H-H70-A45	2.900 - 11.500	Aluminum Oxide	150	Medium
H-MM33-A45	3.300 - 4.200	Aluminum Oxide	150	Medium
H-MM33-J85	3.300 - 4.200	Silicom Carbide	400	Medium
H-MM33-J87	3.300 - 4.200	Silicom Carbide	400	Hard
H-NN40-A45	4.000 - 5.600	Aluminum Oxide	150	Medium
H-NN40-J85	4.000 - 5.600	Silicon Carbide	400	Medium
H-T20-A45	2.000 - 2.200	Aluminum Oxide	150	Medium
H-U22-A45	2.200 - 2.400	Aluminum Oxide	150	Medium
H-V24-A45	2.400 - 2.600	Aluminum Oxide	150	Medium
H-WY51-A43	4.500 - 60.000	Aluminum Oxide	150	Medium
H-WY51-A45	4.500 - 60.000	Aluminum Oxide	150	Medium
H-WY51-J85	4.500 - 60.000	Silicom Carbide	400	Medium

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

REMANUFACTURING TOOLS

HONING OIL - 5 GALLON PAIL

Part Number: H-MB-30-5

Sunnen Honing Oil is specially compounded for ferrous and non ferrous honing to:

- Dissipate heat from the workpiece
- Lubricate tool contact surfaces (guides)
- Flush bore free of honing swarf
- And maintain clean, free cutting abrasive conditions

Recommended for continuous honing of most materials, including: steel, cast iron, carbide, aluminum, bronze and ceramics. Use with any make honing equipment or tooling.



PORTABLE HONE ACCESSORIES QUICK COUPLER

Part Number: H-AN-80

Provides instant coupling or uncoupling of hone from drive motor. Install between Drive Shank and Shaft Extension, or between Drive Shank and Hone Head on short bores.
(Can be used with: H-SNJ-10,H-SN-75, & H-JN-95.)



PISTON SEAL REFORMING TOOL

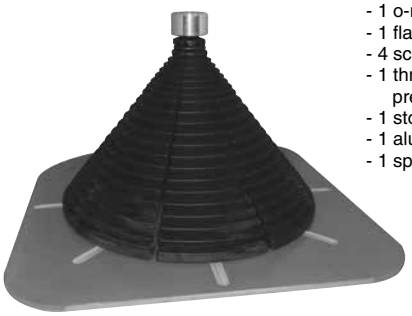
Part Number: PS CONSTRICTOR



PTFE Piston seal resizing tool.

PISTON SEAL STRETCHER

Part Number: SEAL STRETCHER



The Seal Stretcher
Includes the following:
- 8 stepped segments
- 1 top nut/handle
- 1 o-ring
- 1 flat base
- 4 screws
- 1 threaded rod with a piston pre-installed
- 1 stop nut
- 1 aluminum support base
- 1 spring

MINI GRINDER

Part Number: OR GRINDER



The Mini Grinder has a no load speed of 5000-18,000 rpm adjustable, and includes the following:

- Copper collet: 2.4 & 3.2 (mm)
- 2 Diamonds bits
- 2 Grinding Stones
- 1 Nylon Brush
- 1 Connective posts for sanding bands
- 2 sanding bands
- 1 engraving bit
- 1 collet (2.4 mm)

LEAK DETECTION

LEAK DETECTION KIT

Part Number: LDU-OPK-341

HOW IT WORKS
A small amount of liquid fluorescent dye is added to a circulating fluid system that is being inspected for leaks. The system is then run for a short time to allow the dye to mix and circulate with the host fluid. The dye/fluid mixture escapes with the host fluid wherever there is a leak and glows a bright yellow/green when inspected with a high-intensity ultraviolet or UV/black light lamp. This method is extremely effective in locating even the smallest, most elusive leaks, as well as multiple leaks.



INDIVIDUAL LEAK DETECTION PRODUCTS

Part Number	Description
LDU-CR-800	CLEANER, 8 OZ SPRAY
LDU-OIL-GLO-44-P	DYE, ALL-IN-ONE, 16 OZ
LDU-OPX-3000	LAMP, LED, 115V CHARGER
LDU-UVS-40	SPECTACLES, UV ENHANCING

MEASURING TOOLS

HIGH QUALITY DIGITAL CALIPER

Part Number: HH-CALIPER-6-FR

This high quality instrument measures to 6" (150 mm). A push of a button changes from fractions, mm and inches. Functions also include: On/Off function, zero key, data input capabilities, test for low voltage, and "Auto Off" function when unit sits dormant for more than 4 minutes.



DIGITAL CALIPERS

Part Number

HH-CALIPER-6
HH-CALIPER-6-P
HH-CALIPER-12
HH-CALIPER-12-P

Quality calipers able to measure up to 6” (150mm) or 12” (300mm). A push of a button changes from inches to metric. A clear LCD display shows a reading with a resolution of 0.0005” (0.01mm) that is accurate to ±0.001" (±0.03mm). These calipers come in a sturdy, padded plastic case with instructions and a spare battery.



INNER GROOVE CALIPER

Part Number: INNER CALIPER



Inner Goove Caliper - 200 mm.

INNER DEPTH CALIPER

Part Number: INNER-DEPTH CALIPER



This inner depth caliper is complete with five modes of measurement (OD, ID, General Depth, Groove Width, and Groove Depth). It has a digital display capable of displaying mm, inches, and fractions and can take measurements of up to 8” (205 mm). The four groove depth pins located on the back of the calipers measure 10mm, 20mm, 3/8”, and 3/4”.

INNER DEPTH CALIPER PINS

Part Number: INNER-DEPTH CALIPER DP

This Inner-Depth Caiper replacement part includes four groove depth pins measuring 10mm, 20mm, 3/8”, and 3/4”.



INNER DEPTH CALIPER KNIVES

Part Number: INNER-DEPTH CALIPER WK

This Inner-Depth Caiper replacement part includes one pair of width knives and four installation screws.



MEASURING TOOLS

O-RING COMPOUND IDENTIFIER

Part Number: OR RECOGNISER

Identify a variety of o-ring compounds with this handy O-Ring Recongnizer kit. Testing for EPDM70, NBR, FFKM (KALREZ®) and FKM o-rings. Three sample seals included.



BORE TAPE

Part Number: BORE TAPE 300

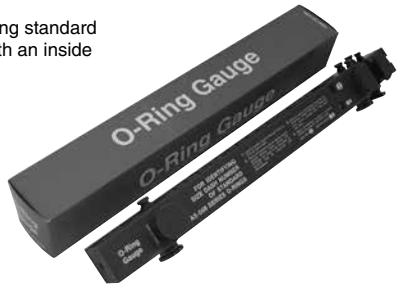
Measures inside and outside diameters from 50 mm 300 mm (2"-12").



O-RING GAUGE

Part Number: OR-GAUGE

Slide gauge for measuring standard cross-section o-rings with an inside diameter up to 13".



O-RING MEASURING CONE

Part Number: O RING CONE-INCH

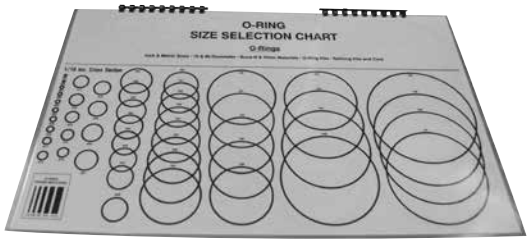
Handy cone provides o-ring dash numbers instantly. Measures 184 of the most widely used sizes in 5 standard widths, 1/4" ID to 5-5/8" ID. Made of high density polyurethane, the cone stands 17-1/2" high.



O-RING CHART

Part Number: O-RING CHART

Part Number: O-RING CHART NN



Durable, Accurate, and Fast, these charts allow for easy Standard O-ring size identification. No shop should be without one!

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Appendix

Contents

	Page
Types of Sealing Material / Glossary of Terms	791
Fluid Compatibility Table	791 - 794
How to Size Groove Dimensions for Seals	796 - 797
Examples of Seal Failures and Their Causes	798 - 799
Seal Failure Inspection Check List	800
Metric / Inch Conversion Table	801 - 802
Cylinder Push & Pull Forces	803
Fluid Motor Torque	804
Hydraulic Cylinder Speeds	805
Electric Motor Horsepower	806
Areas & Circumferences of Circles	807
Fluid Power Formulas	808 - 810
Common Conversion Factors	811 - 813
Commodities & Material Weights	814

Urethane
Formulated of copolymers of ether or ester based urethanes, this material is used in a wide application of seals, wipers, back-up rings, cushions, bumpers, and a myriad of other uses. Highly resistant to oil swell, ozone, oxidation and abrasion, it also has excellent cut resistance. Highly resilient, urethanes also have high tensile strength and elongation properties. Urethanes remain an excellent choice in hydraulic systems using petroleum based fluids. Most urethane seals remain flexible and efficient in temperatures ranging from -65° F to +200° F with some able to withstand intermittent temperatures up to +300° F.

Nitrile
The most common nitrile copolymer blend is the compound known as Buna-N. Possessing very good resistance to petroleum based hydraulic oils, Buna-N also works well with fuels such as diesel or gasoline. Nitrile seals have a good resistance to compression set, but their flexibility suffers somewhat in the lower temperature range. Seals made from this material have a low resistance to ozone and must be stored carefully in most environments. Working temperatures are -40° to +240° F.

PTFE
Most PTFE seals, in order to retain their toughness and flexibility, are fortified with short glass fiber, bronze flashes, carbon graphite, or a combination of these fillers. Because of a lack of resilience (memory) in PTFE, an energizer is most often employed to obtain the desired fit. Benefits are chemical inertness, high heat resistance, low temperature flexibility, low running friction, and non-adhesive characteristics. Temperatures to +500° F are obtainable but are often reduced by the filler or energizer employed.

Fluorocarbon
Fluorocarbon combines high temperature resistance with excellent chemical resistance. Excellent for use with alcohol and aromatic fuels and highly resistant to ultraviolet light and ozone. This material is not recommended for use in low temperatures or in aircraft hydraulic fluids. Temperature range is -20° to +400° F.

Ethylene-Propylene
Ethylene-Propylene can be used for sealing phosphate ester hydraulic fluids such as Skydrol. Not suitable for petroleum based fluids, Ethylene-Propylene is highly effective for use with steam, acetone, and dilute acids and bases. Specially compounded Ethylene-Propylene can be made suitable for automobile brake systems. Temperature range from -20° to +300° F.

Silicone
Silicone is an elastomer made from silicon, oxygen, hydrogen, and carbon. The key use of this material is in static seals employed in a wide (-75° F to +450° F) range of temperatures. Silicone has a high resistance to dry heat, ultraviolet light and ozone. This material is not recommended for dynamic situations due to poor abrasion resistance and high friction characteristics.

Glossary of Terms

Bearing/Wear Rings: Soft metal or plastic rings placed in grooves on the piston or in the head to prevent contact between hard metal surfaces.

Durometer: A generic term referring to the instrument and the scale used to measure the relative hardness of various elastomers. The lower the durometer reading, the softer the material.

Dynamic Seal: A sealing device used between mating surfaces that have relative motion.

Elastomer: A rubber-like material having the capacity for large deformation and rapid, complete recovery from the deforming force.

Gland: A groove or open area machined into the head or piston that houses the sealing device.

Static Seal: A sealing device used between mating surfaces that have no relative motion.

Wiper/Scraper: A device placed in the head of a cylinder for the purpose of excluding foreign matter from the inside of the cylinder.

These are general guidelines only, and users must conduct their own functional tests to determine the suitabliity of any compound for their particular application.

R = Recommended
M = Marginal
U = Unsatisfactory
X = Insufficient Data

Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
Acetaldehyde	U	U	R	U	U	U	R	U
Acetamide	R	U	R	R	U	U	M	U
Acetic Acid	M	M	R	R	U	U	R	U
Acetone	U	M	R	M	U	U	M	U
Acetophenone	U	U	R	U	U	U	U	U
Acetylene	R	R	R	R	X	X	R	R
Ammonia	R	R	R	R	U	X	R	U
Ammonium Hydroxide	R	R	R	R	U	U	R	R
Amyl Acetate	U	U	M	U	U	U	U	U
Anderol L-774	M	U	U	U	R	U	U	R
Aniline	U	U	R	U	U	U	U	M
Ansul Ether	M	U	M	U	U	R	U	U
Antifreeze	R	R	R	R	U	U	R	R
Aroclors	M	U	R	U	U	X	M	R
Askarel	R	U	U	U	U	U	U	R
ASTM #1	R	U	U	R	R	R	R	R
ASTM #3	R	U	U	U	R	R	U	R
ASTM Fuel A	R	U	U	R	R	R	U	R
ASTM Fuel B	R	U	U	U	U	R	U	R
ASTM Fuel C	R	U	U	U	U	R	U	R
ASTM Fuel D	M	U	U	U	U	R	U	R
Auto Transmission Fluid	R	U	U	M	R	R	M	R
Beer	R	R	R	R	U	U	R	R
Benzaldehyde	U	U	R	U	U	U	U	U
Benzene	U	U	U	U	U	U	U	R
Benzine	R	U	U	R	R	R	U	R
Benzoic Acid	U	U	U	U	U	U	U	R
Benzophenone	U	U	R	X	U	U	U	R
Benzyl Alcohol	U	U	U	R	U	U	X	R
Bleach	R	R	R	R	U	U	U	R
Borax	R	R	R	U	R	R	R	R
Boric Acid	R	R	R	R	U	R	R	R
* Brake Fliud (non-Petroleum)	U	R	R	R	U	U	R	U
Bromine	U	U	U	U	U	U	U	R
Bromobenzene	U	U	U	U	U	U	U	R
Bunker Oil	R	U	U	U	R	R	U	R
Butane	R	M	U	R	R	U	U	R
Butter	R	U	M	R	R	R	R	R
Butyl Acetate	U	U	U	U	U	U	U	U
Butyl Alcohol	R	R	R	R	U	U	R	R
Butyl Amine	M	U	U	U	U	U	R	U
Butyl Carbitol	U	U	R	M	U	X	U	M
Butyl Cellosolve	M	U	R	M	U	U	R	U
Butyraldehyde	U	U	R	U	U	U	U	U
Carbitol	R	R	R	R	U	U	R	R

Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
Carbitol Acetate	U	U	U	U	U	U	U	R
Carbon Disulfide	U	U	U	U	U	X	U	R
Carbon Tetrachloride	R	U	U	U	U	U	U	R
Carbonic Acid	R	R	R	R	R	R	R	R
Castor Oil	R	R	R	R	R	R	R	R
Cellosolve	U	R	U	U	U	U	U	U
Chassis Grease	R	U	U	M	R	X	U	R
Chloracetic Acid	U	U	R	U	U	U	X	U
Chloracetone	U	U	R	M	X	X	U	R
Chlordane	R	U	U	M	X	X	U	R
Chlorine	U	U	R	U	U	U	X	R
Chlorobenzol	U	U	U	U	U	U	U	R
Chloroform	U	U	U	U	U	U	U	R
Chlorsulfonic Acid	U	U	U	U	U	U	U	U
Chrome Plating Solution	U	U	R	U	U	U	R	R
Chromic Acid	U	U	X	U	X	X	M	R
Citric Acid	R	R	R	R	X	X	R	R
Cod Liver Oil	R	U	U	R	R	U	R	R
Coffee	R	R	R	R	U	U	R	R
Corn Oil	R	U	U	U	R	U	R	R
Creosote	R	U	U	R	R	M	U	R
Creoste Oil	R	U	U	M	X	X	M	R
Creosylic Acid	U	U	U	U	U	U	U	R
Crude Oil	R	U	U	U	R	X	U	R
Cyclohexane	R	U	U	M	R	R	U	R
Cyclohexanol	R	U	U	R	X	X	U	R
Decalin	U	U	U	U	U	U	U	R
Denatured Alcohol	R	R	R	R	U	U	R	R
Diacetone	U	U	R	U	U	U	U	U
Dibutyl Amine	U	U	U	M	U	U	U	U
Dibutyl Phthalate	U	U	R	U	U	X	X	M
Dichloro Aniline	U	U	U	U	U	U	U	M
Dichloro Butane	R	U	U	U	U	U	U	R
Diesel Oil	R	U	U	M	U	U	U	R
Diethyl Benzene	M	U	U	U	X	X	X	R
Diethylamine	R	R	R	R	U	M	R	U
Diethylene Glycol	R	R	R	R	U	U	R	R
Dimethyl Ether	U	U	U	M	M	R	U	U
Dimethyl Formamide	U	X	R	X	X	X	R	U
Dimethyl Phthalate	U	U	R	U	U	X	X	R
Dimethyl Terephthalate	U	U	U	U	U	U	U	R
Dioctyl Phthalate	U	U	R	U	U	U	M	R
Dioxane	U	U	R	U	U	U	U	U
Diphenyl	U	U	U	U	U	U	U	R
Dow Corning 550	R	R	R	R	R	R	R	R

* Requires special formulation of EPDM

APPENDIX

FLUID COMPATIBILITY TABLE

Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
Dow Gard	R	R	R	R	M	M	R	R
Dowtherm A & E	U	U	U	U	U	U	U	R
Elco 28	R	U	U	M	R	R	R	R
Epoxy Resins	X	X	R	R	X	X	X	U
Ethane	R	U	U	R	R	M	U	R
Ethanol	R	R	R	R	U	R	R	R
Ethanolamine	R	R	R	R	U	M	R	U
Ethyl Acetate	U	U	R	U	U	U	R	U
Ethyl Benzene	U	U	U	U	U	U	U	R
Ethyl Cellulose	R	R	R	R	U	R	R	U
Ethyl Chloride	R	R	R	R	M	R	U	R
Ethyl Ether	M	U	M	U	U	R	U	U
Ethyl Formate	U	U	R	R	X	X	X	R
Ethyl Hexanol	M	R	R	R	X	X	X	R
Ethyl Merlaptan	U	U	X	M	X	X	M	R
Ethylene Chloride	U	U	U	U	U	U	U	R
Ethylene Glycol	R	R	R	R	U	X	R	R
Ethylene Oxide	U	U	R	U	U	U	U	U
Formaldehyde	M	M	R	M	U	U	R	U
Formic Acid	M	R	R	R	X	X	M	U
Freon 12	R	R	R	R	X	R	U	R
Fuel Oil	R	U	U	R	R	U	U	R
Fufuryl Alcohol	U	U	R	U	U	U	U	X
Furan	U	U	X	U	U	X	X	X
Furfural	U	U	R	U	U	X	U	U
Fyrquel	U	U	R	U	U	U	R	R
Gallic Acid	R	R	R	R	U	I	X	R
Gasoline	R	U	U	R	R	R	U	R
Gelatin	R	R	R	R	U	U	R	R
Glucose	R	R	R	R	X	U	R	R
Glycerine	R	R	R	R	U	U	R	R
Heptane	R	U	U	R	R	R	U	R
Hexaldehyde	U	U	R	R	X	X	R	U
Hexane	R	U	U	R	R	R	U	R
Hexanol	R	R	M	R	U	U	R	R
Home Heating Oil	R	U	U	M	R	R	R	R
Hydrazine	R	R	R	R	X	X	R	X
Hydrochoride Acid	R	M	R	R	M	U	U	R
Hydrocyanic Acid	R	R	R	R	U	X	M	R
Hydrogen Peroxide	R	R	R	R	U	X	R	R
Hydrogen Sulfide	U	U	R	R	U	X	M	U
Hydroquinone	M	U	U	U	U	X	X	R
Hypoid Gear Lube	R	U	U	M	R	R	M	R
Iodine	R	R	R	U	X	X	X	R
Iso Octane	R	U	U	R	R	R	U	R
Iso Phorone	U	U	R	U	U	U	U	U
Isocyanate	X	X	X	X	X	X	X	R
Isopar	R	X	U	R	R	R	U	R
Isopropanol	R	R	R	R	U	U	R	R
Isopropyl Acetate	U	U	R	U	U	U	U	U

Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
JP-4(MIL-J-5624)	R	U	U	U	R	R	U	R
JP-4(MIL-J-5624)	R	U	U	U	R	R	U	R
Kerosene	R	U	U	R	R	R	U	R
Lacquers	U	U	U	U	U	U	U	U
Lactic Acid	R	R	R	R	U	X	X	R
Lard	R	U	R	R	R	R	R	R
Linoleic Acid	R	U	U	R	X	X	R	R
Linseed Oil	R	U	M	M	R	X	R	R
Lye Solutions	R	R	R	R	U	U	R	R
Malathion	R	U	U	X	X	X	U	R
Maleic Acid	U	U	U	U	U	X	X	R
Mercury	R	R	R	R	X	X	X	R
Meter-Cresol	U	U	U	R	U	U	U	R
Methacrylic Acid	U	U	R	R	U	U	U	M
Methane	R	U	U	R	R	M	U	R
Methanol	R	R	R	R	U	U	U	U
Methyl Acetate	U	U	R	R	U	U	U	U
Methyl Cellosolve	M	U	R	R	U	U	U	M
Methyl Ether Ketone	U	U	R	U	U	U	U	U
Methyl Mercaptan	X	X	R	X	X	X	X	X
Methylene Chloride	U	U	U	U	U	U	U	R
Milk	R	R	R	R	U	U	R	R
Mineral Oil	R	U	M	R	R	R	R	R
Mineral Spirits	R	U	U	U	R	R	U	R
Monovinyl Acetylene	R	R	R	R	X	X	R	R
Mustard	X	R	R	X	X	X	R	R
Naphtha	R	U	U	U	R	R	U	R
Naphthalene	U	U	U	U	X	X	U	R
Naphthenic Acid	R	U	U	U	X	X	U	R
Natural Gas	R	R	U	R	R	R	R	R
Neatsfoot Oil	R	U	R	U	R	R	R	R
Nitric Acid	U	M	R	U	U	U	U	M
Nitrobenzene	U	U	U	U	U	U	U	R
Nitropropane	U	U	R	U	U	U	U	U
Octane	R	U	U	U	U	U	U	R
Octanol	R	R	R	R	U	U	R	R
Oleic Acid	M	U	U	M	X	X	U	R
Oleum	R	U	U	M	X	X	U	R
Oronite 8200	R	U	U	R	X	R	U	R
Oxalic Acid	R	R	R	R	R	X	X	R
Peanut Oil	R	U	M	M	R	X	R	R
Pentane	R	M	U	R	R	U	U	R
Perchlorethylene	R	U	U	U	U	U	U	R
Petroleum Ether	U	U	U	U	U	U	U	R
Phenol	U	U	U	U	U	U	U	R
Phenylhydrazine	U	M	U	U	U	X	X	R
Phosphoric Acid	R	R	R	R	M	U	R	R
Pine Oil	R	U	U	U	U	X	X	R
Potassium Hydroxide	R	R	R	R	U	U	M	U
Propane	R	U	U	R	R	M	U	R

APPENDIX

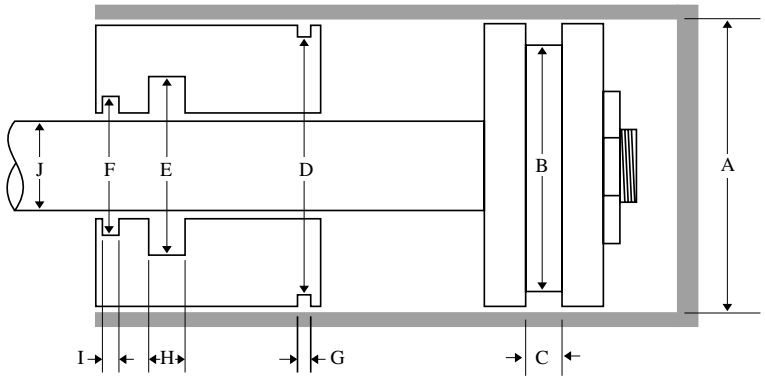
Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
Propanol	R	R	R	R	U	U	R	R
Propyl Acetate	U	U	R	U	U	U	U	U
Propylene Glycol	R	R	R	M	U	M	R	R
Pydraul	U	U	R	U	U	U	U	R
Pyranol	R	U	U	R	R	R	U	R
Pyridine	U	R	U	U	U	X	U	U
Rapeseed Oil	R	U	R	R	R	R	U	R
Resurcinol	X	R	R	X	X	X	X	X
SAE 10W30	R	U	U	M	R	R	R	R
Seawater	R	R	R	R	U	U	R	X
Silicone Grease	R	R	R	R	R	R	R	R
Silver Nitrate	R	R	R	R	R	R	R	R
Skelly Solvent	R	U	U	U	X	X	X	R
Skydrol	U	U	R	U	U	U	U	R
Skydrol 500	U	U	R	U	U	U	U	R
Sodium Hydroxide	R	R	R	R	U	R	R	R
Sovasol	R	U	U	R	R	R	U	R
Soy Bean Oil	R	U	M	M	R	X	R	R
Stearic Acid	R	R	R	R	R	U	U	R
Stoddard Solvent	R	U	U	R	R	R	U	R
Sucrose	R	R	R	R	U	U	R	R

Fluid	Nitrile	SBR	EPDM	Neoprene	Polyacrylate	Urethane	Silicone	Fluoroelastomer
Sulfuric Acid	R	R	R	R	R	U	U	R
Tall Oil	R	U	U	M	R	U	X	R
Tannic Acid	R	R	R	R	U	X	R	R
Tar	R	U	U	M	U	X	R	R
Tartaric Acid	R	R	R	R	X	X	R	R
Tetrachloro Ethane	U	U	U	U	U	U	U	R
Tetralin	U	U	U	U	U	U	U	R
Tidewater Oil	R	U	U	R	R	R	R	R
Toluene	U	U	U	U	U	U	U	R
Trichloro Ethylene	M	U	U	U	U	U	U	R
Triethanol Amine	M	R	R	R	U	U	X	U
Turbine Oil	R	U	U	U	R	R	U	R
Turpentine	R	U	U	U	R	U	U	R
UCDN 50HB280X	R	R	R	R	X	X	R	R
Univis J-43	R	U	U	R	R	R	U	R
Varnish	R	U	U	U	U	M	U	R
Vinegar	R	R	R	R	U	U	R	R
Water	R	R	R	R	U	U	R	R
Wheat Germ Oil	R	U	U	M	R	R	R	R
Whiskey & Wine	R	R	R	R	U	U	R	R
Wood Oil	R	U	U	R	X	M	U	R

HOW OFTEN HAVE YOU RECEIVED A CYLINDER FOR REPAIR AND THE SEALS WERE . . .

- MISSING
- COOKED
- INCORRECT
- EXTRUDED
- NIBBLED
- TWISTED
- ROLLED
- SPLIT
- WORN OUT

The chart below can be used by your counter people, repair shops, or sales people to determine the seals you need. Note the dimensions, refer to your catalog, and call our sales staff with your information. If the part number(s) you need can't be located in the catalog, our Sales personnel will be glad to help you .



FOR A PROFESSIONAL ANALYSIS OF SEAL FAILURE, SEND YOUR DAMAGED SEALS TO OUR ENGINEERING DEPARTMENT.

PISTON SEALS AND BEARINGS

DIAGRAM REFERENCE	DIMENSIONS
A = Bore = Nominal Seal O.D.	_____
B = Groove Diameter = Nominal Seal I.D.	_____
C = Groove Width = Nominal Seal Width	_____

ROD SEALS AND BEARINGS

DIAGRAM REFERENCE	DIMENSIONS
D = Gland Groove Diameter = Nominal Seal I.D.	_____
E = Rod Seal Groove Diameter = Nominal Seal O.D.	_____
F = Wiper Groove Diameter = Nominal Wiper O.D.	_____
G = Gland Groove Width = Nominal Seal Width	_____
H = Rod Seal Groove Width = Nominal Seal Width	_____
I = Wiper Groove Width = Base Width	_____
J = Rod Diameter = Seal & Nominal Wiper I.D.	

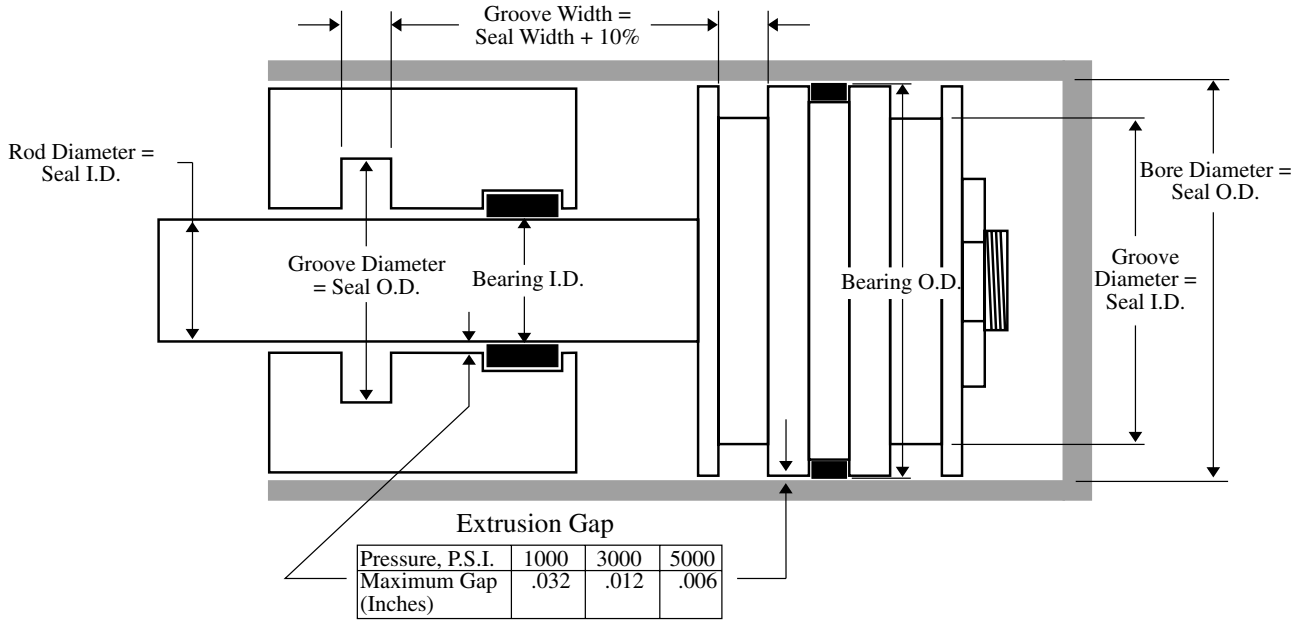
_____

COPY FOR SHOP & COUNTER USE

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797



Pressure, P.S.I.	1000	3000	5000
Maximum Gap (Inches)	.032	.012	.006

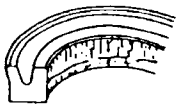
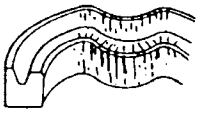
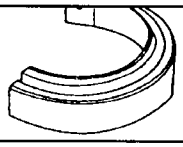
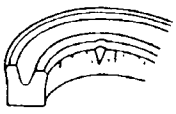
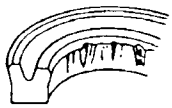
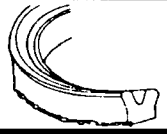
ROD AND ROD GROOVE DIAMETERS

ROD DIAM RANGE, IN.	ROD DIAM. TOLERANCE	GROOVE DIAM TOLERANCE	MAX DIAMETRAL CLEARANCE		
			1000 PSI	3000 PSI	5000 PSI
.125 - .687	+ .0 / -.002	+ .004 / -.0	.008	.006	.004
.750 - 2.875	+ .0 / -.003	+ .008 / -.0	.012	.008	.004
3.000 - 7.000	+ .0 / -.004	+ .010 / -.0	.014	.010	-
7.000 - 7.750	+ .0 / -.005	+ .011 / -.0	.016	.010	-
8.000 - 9.500	+ .0 / -.005	+ .012 / -.0	.016	-	-
10.000 - 15.000	+ .0 / -.006	+ .015 / -.0	.016	-	-

BORE AND PISTON GROOVE DIAMETERS

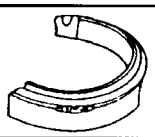
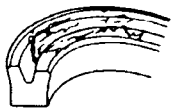
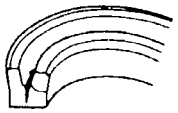
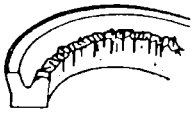
BORE DIAM RANGE, IN.	BORE DIAM. TOLERANCE	GROOVE DIAM TOLERANCE	MAX DIAMETRAL CLEARANCE		
			1000 PSI	3000 PSI	5000 PSI
.750 - 1.062	+ .003 / -.0	+ .0 / -.004	.010	.008	.004
1.125 - 1.625	+ .003 / -.0	+ .0 / -.005	.010	.008	.004
1.750 - 2.500	+ .003 / -.0	+ .0 / -.007	.012	.008	.004
2.625 - 2.875	+ .003 / -.0	+ .0 / -.008	.012	.008	.005
3.000 - 3.500	+ .004 / -.0	+ .0 / -.008	.014	.010	-
3.625 - 5.625	+ .004 / -.0	+ .0 / -.009	.014	.010	-
5.750 - 6.750	+ .004 / -.0	+ .0 / -.010	.014	.010	-
7.000 - 8.500	+ .005 / -.0	+ .0 / -.011	.016	.010	-
9.000 - 11.000	+ .005 / -.0	+ .0 / -.011	.016	-	-
12.000 - 16.000	+ .006 / -.0	+ .0 / -.012	.018	-	-

EXAMPLES OF SEAL FAILURES AND THEIR CAUSES

TYPE OF FAILURE	VISIBLE CONDITION	PROBABLE CAUSE	POSSIBLE CURE
HARDENING	Hardening of the dynamic face causing glazing and cracks 	Heat generated by high speed	Slow stroke speed Use alternative seal device
	Hardening of the whole seal. Loss of elasticity. 	High fluid temperature. Deterioration of fluid. Compatibility of seal to fluid	Lower oil temperature. Renew Fluid Change to different seal compound
WEAR	Dynamic face is worn to glossy mirror-like finish 	Insufficient lubrication	Check oil viscosity Use alternative seal device
	Wear on dynamic lip is egg-shaped 	Rod or piston bore not concentric	Hone to within seal specs Replace worn rod or cylinder tube
	Abnormal wear on one side of the dynamic lip 	Worn bearing or wear ring. Excessive lateral load	Replace bearings Increase bearing area
SCARRING	Cut or dent on the lip 	Storage on a nail or peg. Improper installation tool	Store flat in a plastic bag in a closed cardboard box Installation tools should not have sharp edges
	Scratches on the dynamic side 	Scars on the rod or bore. Foreign material in fluid	Hone, polish, and de-burr metal parts Flush system
SWELLING	Material soft and misshaped 	Absorption of fluid. Fluid and seal are incompatible. Water in system	Change seal compound or system fluid Flush system
DETERIORATION	Cracks and loss of elasticity. Material easily crumbles 	High fluid temperature. Exposure to ozone or sunlight	Lower oil temperature Store seals away from sunlight and arc welding area.
GROOVING	Axial cuts on the dynamic side 	Metal chips or other foreign material in system. Imploded air bubbles	Flush system Bleed air from system
EXTRUSION	Extruded material on dynamic side of heel 	Gap between mating surfaces too wide. Worn bearings. Pressure extreme	Employ back-up ring. Replace bearings. Use alternative seal
	Extruded material on static side of seal 	Uneven support surface. Undersize back-up ring	Machine surface. Correct back-up size

APPENDIX

EXAMPLES OF SEAL FAILURES AND THEIR CAUSES

TYPE OF FAILURE	VISIBLE CONDITION	PROBABLE CAUSE	POSSIBLE CURE
FRACTURING	Chunks of material torn from dynamic side 	Excessive back pressure	Check relief valves
	Pressure side of seal burned and broken 	Explosion of residual air at high pressure. "Dieseling"	Check maximum pressure. Bleed air from system
	Long cracks in the "V" portion of the seal 	Frequent high pressure shocks or spikes. Low temperature start-up	Use alternative style seal. Warm system before applying pressure
	Breaking off of entire dynamic side 	Deterioration of material and/or fluid	Use alternative material or seal. Flush system

SEAL FAILURE INSPECTION CHECK LIST

When trying to determine the cause of a seal failure, it is imperative that all aspects of the situation be investigated. Often, a seal failure points to another part of the hydraulic system that has failed or been compromised in some way. To help you determine where the potential cause of a failure lies, we have developed a seal failure check list. By filling in the necessary information, you should be able to determine the cause of a failure and decide what measures to take to assure future trouble-free operation. If you have any questions regarding this form, please contact our sales staff.

Please Fill This Out Completely

1. Describe the application:
   A. Type: ❑ Telescopic ❑ Piston-rod cylinder ❑ Pump/Motor ❑ Other _____
   B. Fluid Medium: Type: _____
   Pressure: normal: _____psi Temperature: system: _____°F ambient: _____°F
   min: _____psi min: _____°F
   max: _____psi max: _____°F
   C. Speed: Cycles/min: _____Length of stroke: _____in Average speed: _____

2. Inspect the application before seal removal:
   A. Amount of leakage: ❑ Slight ❑ Moderate ❑ Heavy leakage
   B. Condition of area: ❑ Clean ❑ Dusty ❑ Mud packed
   ❑ Painted ❑ Other _____
   C. Leakage source: ❑ Between wiper lip and rod ❑ Wiper blown out
   ❑ At gland bolt holes ❑ At gland OD
   ❑ Between piston and rod ❑ Across piston seal ❑ Other _____

3. Inspect external cylinder conditions:
   ❑ Collision that caused a pressure spike in cylinder ❑ Cylinder dented ❑ Side loading present

4. Remove seals and inspect internal cylinder conditions
   A. Shaft: ❑ Rod diameter out of tolerance (check entire length) ❑ Rod is scratched or scarred
   ❑ Eccentricity of rod and cylinder head ❑ Surface finish (RMS) is too smooth or too rough
   B. Bore: ❑ Bore diameter out of tolerance (check entire length) ❑ Bore is scratched or scarred
   ❑ Bore is out of round ❑ Surface finish (RMS) is too smooth or too rough
   ❑ Eccentricity of piston head and cylinder bore
   C. Groove: ❑ Groove dimensions are out of tolerance ❑ Surface is nicked or scratched
   ❑ Surface is dirty or rusted ❑ Surface finish (RMS) is too smooth or too rough
   D. Bearing surfaces: q Improper support causing eccentricity ❑ Abnormal wear of wear ring and/or bearing surfaces

5. Inspect the seals for signs of failure:
   A. Describe the failed seal
   i. Seal type: ❑ Piston ❑ Rod ❑ Static
   Part Number: _____Size: _____Material: _____Profile: _____
   Companion parts: _____
   ii. Operation: ❑ Dynamic: ❑ Rotary ❑ Reciprocating ❑ Oscillating
   ❑ Static: ❑ Radial ❑ Face
   B. Describe the conditions of failure
   i. Service length until failure: _____
   ii. Describe seal condition: See Chart in Master Seal Catalog

   _____
   _____
   _____
   _____

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

METRIC / INCH CONVERSION TABLE

Inches		Millimeters
Fractions	Decimals	
—	.0004	.01
—	.004	.10
—	.01	.25
1/64	.0156	.397
—	.0197	.50
—	.0295	.75
1/32	.03125	.794
—	.0394	1.0
3/64	.0469	1.191
—	.059	1.5
1/16	.062	1.588
5/64	.0781	1.984
—	.0787	2.0
3/32	.094	2.381
—	.0984	2.5
7/64	.109	2.778
—	.1181	3.0
1/8	.125	3.175
—	.1378	3.5
9/64	.141	3.572
5/32	.156	3.969
—	.1575	4.0
11/64	.172	4.366
—	.177	4.5
3/16	.1875	4.763
—	.1969	5.0
13/64	.203	5.159
—	.2165	5.5
7/32	.219	5.556
15/64	.234	5.953
—	.2362	6.0
1/4	.250	6.350
—	.2559	6.5
17/64	.2656	6.747
—	.2756	7.0
9/32	.281	7.144
—	.2953	7.5
19/64	.297	7.541
5/16	.312	7.938
—	.315	8.0
21/64	.328	8.334
—	.335	8.5
11/32	.344	8.731
—	.3543	9.0
23/64	.359	9.128

Inches		Millimeters
Fractions	Decimals	
—	.374	9.5
3/8	.375	9.525
25/64	.391	9.922
—	.3937	10.0
13/32	.406	10.319
—	.413	10.5
27/64	.422	10.716
—	.4331	11.0
7/16	.438	11.113
29/64	.453	11.509
15/32	.469	11.906
—	.4724	12.0
31/64	.484	12.303
—	.492	12.5
1/2	.500	12.700
—	.5118	13.0
33/64	.5156	13.097
17/32	.531	13.494
35/64	.547	13.891
—	.5512	14.0
9/16	.563	14.288
—	.571	14.5
37/64	.578	14.684
—	.5906	15.0
19/32	.594	15.081
39/64	.609	15.478
5/8	.625	15.875
—	.6299	16.0
41/64	.6406	16.272
—	.6496	16.5
21/32	.658	16.669
—	.6693	17.0
43/64	.672	17.066
11/16	.6875	17.463
45/64	.703	17.859
—	.7087	18.0
23/32	.719	18.256
—	.7283	18.5
47/64	.734	18.653
—	.7480	19.0
3/4	.750	19.050
49/64	.7656	19.447
25/32	.781	19.844
—	..7874	20.0
51/64	.797	20.241

Inches		Millimeters
Fractions	Decimals	
13/16	.8125	20.638
—	.8268	21.0
53/64	.828	21.034
27/32	.844	21.431
55/64	.859	21.828
—	.8661	22.0
7/8	.875	22.225
57/64	.8906	22.622
—	.9055	23.0
29/32	.9062	23.019
59/64	.922	23.416
15/16	.9375	23.813
—	.9449	24.0
61/64	.953	24.209
31/32	.969	24.606
—	.9843	25.0
63/64	.9844	25.003
1	1.000	25.400
—	1.0236	26.0
1-1/32	1.0312	26.194
1-1/16	1.062	26.988
—	1.063	27.0
1-3/32	1.094	27.781
—	1.1024	28.0
1-1/8	1.125	28.575
—	1.1417	29.0
1-5/32	1.156	29.369
—	1.1811	30.0
1-3/16	1.1875	30.163
1-7/32	1.219	30.956
—	1.2205	31.0
1-1/4	1.250	31.750
—	1.2598	32.0
1-9/32	1.281	32.544
—	1.2992	33.0
1-5/16	1.312	33.338
—	1.3386	34.0
1-11/32	1.344	34.131
1-3/8	1.375	34.925
—	1.3779	35.0
1-13/32	1.406	35.719
—	1.4173	36.0
1-7/16	1.438	36.513
—	1.4567	37.0
1-15/32	1.469	37.306

Inches		Millimeters
Fractions	Decimals	
—	1.4961	38.0
1-1/2	1.500	38.100
1-17/32	1.531	38.894
—	1.5354	39.0
1-9/16	1.562	39.688
—	1.5748	40.0
1-19/32	1.594	40.481
—	1.6142	41.0
1-5/8	1.625	41.275
—	1.6535	42.0
1-21/32	1.6562	42.069
1-11/16	1.6875	42.863
—	1.6929	43.0
1-23/32	1.719	43.656
—	1.7323	44.0
1-3/4	1.750	44.450
—	1.7717	45.0
1-25/32	1.781	45.244
—	1.8110	46.0
1-13/16	1.8125	46.038
1-27/32	1.844	46.831
—	1.8504	47.0
1-7/8	1.875	47.625
—	1.8898	48.0
1-29/32	1.9062	48.419
—	1.9291	49.0
1-15/16	1.9375	49.213
—	1.9685	50.0
1-31/32	1.969	50.006
2	2.000	50.800
—	2.0079	51.0
2-1/32	2.03125	51.594
—	2.0472	52.0
2-1/6	2.062	52.388
—	2.0866	53.0
2-3/32	2.094	53.181
2-1/8	2.125	53.975
—	2.126	54.0
2-5/32	2.156	54.769
—	2.165	55.0
2-3/16	2.1875	55.563
—	2.2047	56.0
2-7/32	2.219	56.356
—	2.244	57.0
2-1/4	2.250	57.150

METRIC / INCH CONVERSION TABLE

Inches		Millimeters
Fractions	Decimals	
2-9/32	2.281	57.944
—	2.2835	58.0
2-5/16	2.312	58.738
—	2.3228	59.0
2-11/32	2.344	59.531
—	2.3622	60.0
2-3/8	2.375	60.325
—	2.4016	61.0
2-13/32	2.406	61.119
2-7/16	2.438	61.913
—	2.4409	62.0
2-15/32	2.469	62.706
—	2.4803	63.0
2-1/2	2.500	63.500
—	2.5197	64.0
2-17/32	2.531	64.294
—	2.559	65.0
2-9/16	2.562	65.088
2-19/32	2.594	65.881
—	2.5984	66.0
2-5/8	2.625	66.675
—	2.638	67.0
2-21/32	2.656	67.469
—	2.6772	68.0
2-11/16	2.6875	68.263
—	2.7165	69.0
2-23/32	2.719	69.056
2-3/4	2.750	69.850
—	2.7559	70.0
2-25/32	2.781	70.6439
—	2.7953	71.0
2-13/16	2.8125	71.4376
—	2.8346	72.0
2-27/32	2.844	72.2314
—	2.8740	73.0
2-7/8	2.875	73.025
2-29/32	2.9062	73.819
—	2.9134	74.0
2-15/16	2.9375	74.613
—	2.9527	75.0
2-31/32	2.969	75.406
—	2.9921	76.0
3	3.000	76.200
3-1/32	3.0312	76.994
—	3.0315	77.0

Inches		Millimeters
Fractions	Decimals	
3-1/16	3.062	77.788
—	3.0709	78.0
3-3/32	3.094	78.581
—	3.1102	79.0
3-1/8	3.125	79.581
—	3.1496	80.0
3-5/32	3.156	80.169
3-3/16	3.1875	80.963
—	3.1890	81.0
3-7/32	3.219	81.756
—	3.2283	82.0
3-1/4	3.250	82.550
—	3.2677	83.0
3-9/32	3.281	83.344
—	3.3071	84.0
3-5/16	3.312	84.1377
3-11/32	3.344	84.9314
—	3.3464	85.0
3-3/8	3.375	85.725
—	3.3858	86.0
3-13/32	3.406	86.519
—	3.4252	87.0
3-7/16	3.438	87.313
—	3.4648	88.0
3-15/32	3.469	88.108
3-1/2	3.500	88.900
—	3.5039	89.0
3-17/32	3.531	89.694
—	3.5433	90.0
3-9/16	3.562	90.4877
—	3.5827	91.0
3-19/32	3.594	91.281
—	3.622	92.0
3-5/8	3.625	92.075
3-21/32	3.656	92.869
—	3.6614	93.0
3-11/16	3.6875	93.663
—	3.7008	94.0
3-23/32	3.719	94.456
—	3.7401	95.0
3-3/4	3.750	95.250
—	3.7795	96.0
3-25/32	3.781	96.044
3-13/16	3.8125	96.838
—	3.8189	97.0

Inches		Millimeters
Fractions	Decimals	
3-27/32	3.844	97.631
—	3.8583	98.0
3-7/8	3.875	98.425
—	3.8976	99.0
3-29/32	3.9062	99.219
—	3.9370	100.0
3-15/16	3.9375	100.013
3-31/32	3.969	100.806
—	3.9764	101.0
4	4.000	101.600
4-1/16	4.062	103.188
4-1/8	4.125	104.775
—	4.1338	105.0
4-3/16	4.1875	106.363
4-1/4	4.250	107.950
4-5/16	4.312	109.538
—	4.3307	110.0
4-3/8	4.375	111.125
4-7/16	4.438	112.713
4-1/2	4.500	114.300
—	4.5275	115.0
4-9/16	4.562	115.888
4-5/8	4.625	117.475
4-11/16	4.6875	119.063
—	4.7244	120.0
4-3/4	4.750	120.650
4-13/16	4.8125	122.238
4-7/8	4.875	123.825
—	4.9212	125.0
4-15/16	4.9375	125.413
5	5.000	127.000
—	5.1181	130.0
5-1/4	5.250	133.350
5-1/2	5.500	139.700
—	5.5118	140.0
5-3/4	5.750	146.050
—	5.9055	150.0
6	6.000	152.400
6-1/4	6.250	158.750
—	6.2992	160.0
6-1/2	6.500	165.100
—	6.6929	170.0
6-3/4	6.750	171.450
7	7.000	177.800
—	7.0866	180.0

Inches		Millimeters
Fractions	Decimals	
—	7.4803	190.0
7-1/2	7.500	190.500
—	7.8740	200.0
8	8.000	203.200
—	8.2677	210.0
8-1/2	8.500	215.900
—	8.6614	220.0
9	9.000	228.600
—	9.0551	230.0
—	9.4488	240.0
9-1/2	9.500	241.300
—	9.8425	250.0
10	10.000	254.00
—	10.2362	260.0
—	10.6299	270.0
11	11.000	279.40
—	11.0236	280.0
—	11.4173	290.0
—	11.8110	300.0
12	12.000	304.80
13	13.000	330.20
—	13.7795	350.0
14	14.000	355.60
15	15.000	381.00
—	15.7480	400.0
16	16.000	406.40
17	17.000	431.80
—	17.7165	450.0
18	18.000	457.20
19	19.000	482.60
—	19.6850	500.0
20	20.000	508.00

KANSAS
PHONE 1-316-267-1051
FAX 1-316-267-1010

OKLAHOMA
PHONE 1-918-446-4591
FAX 1-918-446-4743

TEXAS
PHONE 1-903-753-0341
FAX 1-903-236-9797

Piston - Rod Cylinder Force

Working Pressure of Hydraulic Fluid PSI

BORE	AREA	ROD	SIZE	50	100	250	500	1000	1500	2000	3000	5000
	PUSH	—		88	177	443	885	1,770	2,655	3.540	5,310	8,850
1-1/2	PULL	STD	5/8	73	146	365	730	1,460	2,190	2,920	4,380	7,300
	PULL	2:1	1	49	98	245	490	980	1,470	1,960	2,940	4,900
	PUSH	—		157	314	785	1,570	3,140	4,710	6,280	9,420	15,700
2	PULL	STD	1	118	236	590	1,180	2,360	3,540	4,720	7,080	11,800
	PULL	2:1	1-3/8	83	166	415	830	1,660	2,490	3,320	4,980	8,300
	PUSH	—		246	491	1,228	2,455	4,910	7,265	9,820	14,730	24,550
2-1/2	PULL	STD	1	206	412	1,030	2,060	4,120	6,180	8,240	12,360	20,600
	PULL	2:1	1-3/4	125	250	625	1,250	2,500	3,750	5,000	7,500	12,500
	PUSH	—		415	830	2,075	4,150	8,300	12,450	16,600	24,900	41,500
3-1/2	PULL	STD	1-3/8	341	681	1,703	3,405	6,810	10,215	13,620	20,430	34,050
	PULL	2:1	2	258	515	1,288	2,575	5,150	7,725	10,300	15,450	25,750
	PUSH	—		628	1,257	3,143	6,285	12,570	18,855	25,140	37,710	62,850
4	PULL	STD	1-3/4	508	1,016	2,540	5,080	10,160	15,240	20,320	30,480	50,800
	PULL	2:1	2-1/2	383	766	1,916	3,830	7,660	11,490	15,320	22,980	38,300
	PUSH	—		982	1,964	4,910	9,820	19,640	29,460	39,280	58,920	98,200
5	PULL	STD	2	825	1,649	4,123	8,245	16,490	24,735	32,980	49,470	82,450
	PULL	2:1	3-1/2	500	1,001	2,503	5,005	10,010	15,015	20,020	30,030	50,050
	PUSH	—		1,413	2,827	7,068	14,135	28,270	42,405	56,540	84,810	141,350
6	PULL	STD	2-1/2	1,168	2,336	5,840	11,680	23,360	35,040	46,720	70,080	116,800
	PULL	2:1	4	786	1,571	3,928	7,855	15,710	23,565	31,420	47,130	78,550
	PUSH	—		1,924	3,849	9,623	19,245	38,490	57,735	76,980	115,470	192,450
7	PULL	STD	3	1,571	3,142	7,855	15,710	31,420	47,130	62,840	94,260	157,100
	PULL	2:1	5	942	1,885	4,713	9,425	18,850	28,275	37,700	56,550	94,250
	PUSH	—		2,514	5,027	12,568	25,135	50,270	75,405	100,540	150,810	251,350
8	PULL	STD	3-1/2	2,032	4,064	10,160	20,320	40,640	60,960	81,280	121,920	203,200
	PULL	2:1	5-1/2	1,326	2,651	6,628	13,255	26,510	39,765	53,020	79,530	132,550
	PUSH	—		3,927	7,854	19,635	39,270	78,540	117,810	157,080	235,620	392,700
10	PULL	STD	4-1/2	3,132	6,264	15,660	31,320	62,640	93,960	125,280	187,920	313,200
	PULL	2:1	7	2,003	4,006	10,015	20,030	40,060	60,090	80,120	120,180	200,300

This table is a ready reference of forces available from either end from various cylinder and rod sizes at a range of pressures. For pressures intermediate between those shown, add force values from two or more pressures whose sum equals the given operating pressure. Values neglect friction and back pressure on the return side.

FLUID MOTOR TORQUE

In Inch Pounds

	Horsepower												
RPM	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**15**	**20**	**25**
1	63,025	126,050	189,076	252,100	315,125	378,150	441,175	504,200	567,225	630,250	945,375	1,260,507	1,575,634
2	31,512	63,025	94,538	126,050	157,563	189,075	220,588	252,100	283,613	315,125	472,688	630,250	787,813
3	21,009	42,017	63,025	84,036	105,042	126,050	147,058	168,067	189,075	210,083	315,125	420,167	525,208
4	15,756	31,512	47,269	63,025	78,781	94,538	110,294	126,050	141,806	157,563	236,344	315,125	393,906
5	12,605	25,210	37,815	50,420	63,025	75,630	88,236	100,840	113,445	126,050	189,076	252,100	315,125
6	10,506	21,009	31,513	42,017	52,521	63,025	73,529	84,033	94,538	105,040	157,563	210,083	262,604
7	9,004	18,007	27,011	36,016	45,018	54,021	63,025	72,029	81,032	90,036	135,054	180,071	225,089
8	7,878	15,756	23,634	31,512	39,391	47,269	55,147	63,025	70,903	78,780	118,172	157,563	196,953
9	7,003	14,006	21,010	28,011	35,014	42,017	49,019	56,022	63,025	70,030	105,042	140,056	175,069
10	6,303	12,605	18,908	25,210	31,512	37,815	44,118	50,420	56,723	63,025	94,538	126,050	157,563
20	3,151	6,303	9,454	12,605	15,756	18,908	22,059	25,210	28,316	31,512	47,269	63,025	78,781
25	2,521	5,042	7,563	10,084	12,605	15,126	17,647	20,168	22,689	25,210	37,815	50,420	63,025
30	2,101	4,202	6,303	8,403	10,504	12,605	14,705	16,807	18,908	21,009	31,513	42,017	52,521
40	1,576	3,151	4,727	6,303	7,878	9,454	11,029	12,605	14,181	15,756	23,634	31,513	39,391
50	1,261	2,521	3,782	5,042	6,303	7,563	8,824	10,084	11,345	12,605	18,908	25,210	31,513
60	1,050	2,101	3,151	4,202	5,252	6,303	7,353	8,403	9,454	10,504	15,756	21,009	26,260
70	900	1,801	2,701	3,601	4,502	5,402	6,303	7,203	8,103	9,004	13,506	18,007	22,509
75	840	1,681	2,521	3,361	4,202	5,042	5,882	6,723	7,563	8,403	12,605	16,806	21,008
80	788	1,576	2,363	3,151	3,939	4,727	5,515	6,303	7,090	7,878	11,817	15,756	19,695
90	700	1,400	2,101	2,801	3,501	4,202	4,902	5,602	6,303	7,003	10,504	14,006	17,507
100	630	1,261	1,891	2,521	3,151	3,782	4,412	5,042	5,672	6,303	9,453	12,605	15,758
150	420	840	1,261	1,681	2,101	2,251	2,941	3,361	3,781	4,202	6,303	8,403	10,504
200	315	630	945	1,261	1,575	1,891	2,206	2,521	2,836	3,151	4,727	6,303	7,878
250	252	504	756	1,008	1,260	1,531	1,765	2,017	2,269	2,521	3,782	5,042	6,303
300	210	420	630	840	1,050	1,261	1,471	1,681	1,891	2,101	3,151	4,202	5,252
350	180	360	540	720	900	1,080	1,261	1,441	1,621	1,801	2,701	3,601	4,502
400	158	315	473	630	788	945	1,104	1,261	1,418	1,576	2,364	3,151	3,939
450	141	280	420	560	700	840	980	1,120	1,261	1,401	2,101	2,801	3,501
500	126	252	378	504	630	756	882	1,008	1,134	1,261	1,891	2,521	3,151
550	115	229	344	458	573	688	802	917	1,031	1,146	1,719	2,292	2,865
600	105	210	315	420	525	630	735	840	945	1,050	1,576	2,101	2,626
650	97	194	291	388	485	582	679	776	873	970	1,454	1,939	2,424
700	90	180	270	360	450	540	630	720	810	900	1,351	1,801	2,251
750	84	168	252	336	420	504	588	672	756	840	1,261	1,681	2,101
800	79	158	236	315	393	473	551	630	709	788	1,182	1,576	1,970
850	74	148	222	297	371	445	519	593	667	741	1,112	1,483	1,854
900	70	140	210	280	350	420	490	560	630	700	1,050	1,400	1,751
950	66	133	199	265	332	398	464	531	597	663	995	1,327	1,659
1000	63	126	189	252	315	378	441	504	567	630	945	1,261	1,576
1100	57	115	172	229	286	344	401	458	516	573	860	1,146	1,432
1200	53	105	158	210	263	315	368	420	473	525	788	1,050	1,313
1300	48	97	145	194	242	291	339	388	436	485	727	970	1,212
1400	45	90	135	180	225	270	315	360	405	450	675	900	1,125
1500	42	84	126	168	210	252	294	336	378	420	630	840	1,050
1600	39	79	118	158	197	236	276	315	355	394	591	788	985
1700	37	74	111	148	185	222	260	296	334	371	556	741	927
1800	35	70	105	140	175	210	245	280	315	350	525	700	875
1900	33	66	100	133	166	199	232	265	299	332	498	663	829
2000	32	63	95	126	158	189	221	252	284	315	473	630	788
2100	30	60	90	120	150	180	210	240	270	300	450	600	750
2200	29	57	86	115	143	172	201	229	258	286	430	573	716
2300	27	55	82	110	137	164	192	219	247	274	411	548	685
2400	26	53	79	105	131	158	184	210	236	263	394	525	657
2500	25	50	76	101	126	151	176	202	227	252	378	504	630
2750	23	46	69	92	115	138	160	183	206	229	344	458	573
3000	21	42	63	84	105	126	147	168	189	210	315	420	525
3250	19	39	58	78	97	116	136	155	175	194	291	388	485
3500	18	36	54	72	90	108	126	144	162	180	270	360	450
3750	17	34	50	67	84	101	118	134	151	168	252	336	420
4000	16	32	47	63	79	95	110	126	142	158	236	315	394
4250	15	30	44	59	74	89	104	119	133	148	222	297	371
4500	14	28	42	56	70	84	98	112	126	140	210	280	350
4750	13	27	40	53	66	80	93	106	119	133	199	265	332
5000	13	25	38	50	63	76	88	101	113	126	189	252	315
6000	11	21	32	42	53	63	74	84	95	105	158	210	263
7000	9	18	27	36	45	54	63	72	81	90	135	180	225
8000	8	16	24	32	39	47	55	63	71	79	118	158	197
9000	7	14	21	28	35	42	49	56	63	70	105	140	175
10000	6	13	19	25	32	38	44	50	57	63	95	126	158

Inches / Minute

PISTON DIAMETER	ROD DIAMETER	FLOW - GPM										
		1	2	3	5	10	12	15	20	25	50	75
1	—	298	596	894	1490							
	1/2	392	784	1176	1960							
1-1/2	—	130	260	392	654	1308						
	5/8	158	316	476	792	1584						
	1	235	470	706	1176	2352						
2	—	73	146	221	368	736	883	1120				
	3/4	85	170	257	428	956	1025	1283				
	1	97	184	294	490	980	1175	1465				
	1-3/8	139	278	418	697	1394	1673	2090				
2-1/2	—	47	94	141	235	470	565	675	940	1175		
	1	56	112	168	280	560	672	840	1120	1400		
	1-3/8	67	134	203	339	678	813	1015	1355	1695		
	1-3/4	92	184	277	463	926	1110	1385	1850	2310		
3	—	32	64	98	163	326	392	490	653	817		
	1	36	72	110	184	368	440	551	735	920		
	1-1/2	43	86	131	218	436	523	655	872	1090		
	2	58	116	176	294	588	705	882	1175	1470		
3-1/2	—	24	48	72	120	240	288	360	480	600	1200	
	1-1/4	27	54	82	137	274	330	411	548	685	1370	
	1-3/4	32	64	96	160	320	384	480	640	800	1600	
	2	35	70	107	178	356	428	534	712	890	1780	
4	—	18	36	55	92	184	220	276	368	460	920	
	1-1/4	20	40	61	102	204	244	306	408	510	1020	
	1-3/4	22	44	68	113	226	273	339	452	565	1130	
	2	24	48	73	122	244	294	366	488	610	1220	
	2-1/2	30	60	90	150	300	362	450	600	750	1500	
5	—	12	24	35	58	116	141	174	232	290	580	870
	1-1/2	13	26	39	64	128	155	193	258	320	640	960
	2	14	28	42	70	140	168	210	280	350	700	1050
	2-1/2	16	32	47	78	156	188	235	315	390	780	1170
	3	18	36	55	92	184	220	275	365	460	920	1380
	3-1/2	22	44	66	111	222	266	333	444	555	1110	1665
6	—	8	16	24	41	82	98	123	162	202	404	606
	1-3/4	9	18	27	45	90	107	135	180	225	450	675
	2-1/2	10	20	30	50	100	118	150	200	250	500	750
	3	11	22	33	54	108	130	165	206	270	540	810
	3-1/2	12	24	37	62	124	148	185	245	310	620	930
	4	15	30	44	73	146	176	220	295	365	730	1095
8	—	4	8	14	23	46	55	69	92	115	230	345
	3-1/2	5-1/2	11	17	28	56	68	85	115	140	280	420
	4	6	12	18	30	60	73	90	122	150	300	450
	5	7-1/2	15	22	38	76	90	114	150	185	375	555
	5-1/2	8-1/2	17	26	43	86	104	129	172	215	430	645
10	—	3	6	9	15	30	35	44	60	73	146	220
	4-1/2	3-1//2	7	11	18	36	44	55	75	92	184	275
	5	4	8	12	20	40	47	60	80	100	200	300
	5-1/2	4-1/2	9	13	21	42	50	63	84	105	210	315
	7	5-1/2	11	17	29	58	69	87	115	145	290	435

This chart is based on the formula $V = \frac{231 \times GPM}{\text{EFF. CYL. AREA (Sq. Inches)}}$

APPENDIX

ELECTRIC MOTOR HORSEPOWER

Required to Drive a Hydraulic Pump

	PUMP PRESSURE PSI										
GPM	**100**	**200**	**250**	**300**	**400**	**500**	**750**	**1000**	**1250**	**1500**	**2000**
1/2	.04	.07	.09	.10	.14	.17	.26	.34	.43	.52	.69
1	.07	.14	.17	.21	.28	.34	.52	.69	.86	1.03	1.37
1 1/2	.10	.21	.26	.31	.41	.52	.77	1.03	1.29	1.54	2.06
2	.14	.28	.34	.41	.55	.69	1.03	1.37	1.72	2.06	2.75
2 1/2	.17	.34	.43	.52	.69	.86	1.29	1.72	2.15	2.58	3.43
3	.21	.41	.52	.62	.83	1.03	1.54	2.06	2.57	3.09	4.12
3 1/2	.24	.48	.60	.72	.96	1.20	1.80	2.40	3.00	3.60	4.81
4	.28	.55	.69	.82	1.10	1.37	2.06	2.75	3.43	4.12	5.49
5	.34	.69	.86	1.03	1.32	1.72	2.57	3.43	4.29	5.15	6.86
6	.41	.82	1.03	1.24	1.65	2.06	3.09	4.12	5.15	6.18	8.24
7	.48	.96	1.20	1.44	1.92	2.40	3.60	4.81	6.01	7.21	9.61
8	.55	1.10	1.37	1.65	2.20	2.75	4.12	5.49	6.86	8.24	11.0
9	.62	1.24	1.55	1.85	2.47	3.09	4.63	6.18	7.72	9.27	12.4
10	.69	1.37	1.62	2.06	2.75	3.43	5.15	6.86	8.58	10.3	13.8
11	.76	1.51	1.89	2.27	3.02	3.78	5.66	7.55	9.44	11.3	15.1
12	.83	1.65	2.06	2.47	3.30	4.12	6.18	8.24	10.3	12.4	16.5
13	.89	1.79	2.23	2.68	3.57	4.46	6.69	8.92	11.2	13.4	17.8
14	.96	1.92	2.40	2.88	3.84	4.81	7.21	9.61	12.0	14.4	19.2
15	1.03	2.06	2.57	3.09	4.12	5.15	7.72	10.3	12.9	15.4	20.6
16	1.10	2.20	2.75	3.30	4.39	5.49	8.24	11.0	13.7	16.5	22.0
17	1.17	2.33	2.92	3.50	4.68	5.83	8.75	11.7	14.6	17.5	23.3
18	1.24	2.47	3.09	3.71	4.94	6.18	9.27	12.4	15.4	18.5	24.7
19	1.30	2.61	3.26	3.91	5.22	6.52	9.78	13.0	16.3	19.6	26.1
20	1.37	2.75	3.43	4.12	5.49	6.86	10.3	13.7	17.2	21.6	27.5
25	1.72	3.43	4.29	5.15	6.86	8.58	12.9	17.2	21.5	25.8	34.3
30	2.06	4.12	5.15	6.18	8.24	10.3	15.4	20.6	25.7	30.9	41.2
35	2.40	4.81	6.01	7.21	9.61	12.0	18.0	24.0	30.0	36.0	48.0
40	2.75	5.49	6.86	8.24	11.0	13.7	20.6	27.5	34.3	41.2	54.9
45	3.09	6.18	7.72	9.27	12.4	15.4	23.2	31.0	38.6	46.3	61.8
50	3.43	6.86	8.58	10.3	13.7	17.2	25.7	34.3	42.9	51.5	68.6
55	3.78	7.55	9.44	11.3	15.1	18.9	28.3	37.8	47.2	56.6	75.5
60	4.12	8.24	10.3	12.4	16.5	20.6	30.9	41.2	51.5	61.8	83.4
65	4.46	8.92	11.2	13.4	17.8	22.3	33.5	44.6	55.8	66.9	89.2
70	4.81	9.61	12.0	14.4	19.2	24.0	36.0	48.0	60.1	72.1	96.1
75	5.15	10.3	12.9	15.4	20.6	25.7	38.6	51.4	64.3	77.2	103.0
80	5.49	11.0	13.7	16.5	22.0	27.5	41.2	54.9	68.6	82.4	109.8
90	6.18	12.4	15.4	18.5	24.7	30.9	46.3	61.8	77.2	92.7	123.6
100	6.86	13.7	17.2	20.6	27.5	34.4	51.5	68.6	85.8	103.0	137.3

This chart is based on the formula $HP = \frac{GPM \times PSI}{1714 \times EFFICIENCY}$

For the purposes of this chart, pump efficiency was assumed to be 85%.

As horsepower varies directly with flow or pressure, multiply proportionately to determine values not shown. For instance, at 4000 PSI multiply 2000 PSI values by 2.

Diam.	Circum.	Area	Diam.	Circum.	Area	Diam.	Circum.	Area	Diam.	Circum.	Area	Diam.	Circum.	Area
			1	3.1416	.7854	5	15.708	19.635	12	37.699	113.10	24	75.398	452.39
1/64	.04909	.00019	1/16	3.3379	.8866	1/8	16.101	20.629	1/4	38.485	117.86	1/4	76.184	461.86
1/32	.09818	.00077	1/8	3.5343	.9940	1/4	16.493	21.648	1/2	39.270	122.72	1/2	76.969	471.44
3/64	.14726	.00173	3/16	3.7306	1.1075	3/8	16.886	22.691	3/4	40.055	127.68	3/4	77.764	481.11
1/16	.1965	.00307	1/4	3.9270	1.2272	1/2	17.279	23.758	13	40.841	132.73	25	78.540	490.87
5/64	.24544	.00479	5/16	4.1233	1.3530	5/8	17.671	24.850	1/4	41.626	137.89	1/4	79.325	500.74
3/32	.29452	.00690	3/8	4.3197	1.4849	3/4	18.064	25.967	1/2	42.412	143.14	1/2	80.111	510.71
7/64	.34361	.00940	7/16	4.5160	1.6230	7/8	18.457	27.109	3/4	43.197	148.49	3/4	80.896	520.77
1/8	.39270	.01227	1/2	4.7124	1.7671	6	18.850	28.274	14	43.982	153.94	26	81.681	530.93
9/64	.44179	.01553	9/16	4.9087	1.9175	1/8	19.242	29.465	1/4	44.768	159.48	1/4	82.467	541.19
5/32	.49087	.01917	5/8	5.1051	2.0739	1/4	19.635	30.680	1/2	45.553	165.13	1/2	83.252	551.55
11/64	.53996	.02320	11/16	5.3014	2.2365	3/8	20.028	31.919	3/4	46.338	170.87	3/4	84.038	562.00
3/16	.58905	.02761	3/4	5.4978	2.4053	1/2	20.420	33.183	15	47.124	176.71	27	84.823	572.56
13/64	.63814	.03241	13/16	5.6941	2.5802	5/8	20.813	34.472	1/4	47.909	182.65	1/4	85.608	583.21
7/32	.68722	.03758	7/8	5.8905	2.7612	3/4	21.206	35.785	1/2	48.695	188.69	1/2	86.394	593.96
15/64	.73631	.04314	15/16	6.0868	2.9483	7/8	21.598	37.122	3/4	49.480	194.83	3/4	87.179	604.81
1/4	.78540	.04909	2	6.2832	3.1416	7	21.991	38.485	16	50.265	201.06	28	87.965	615.75
17/64	.83449	.05542	1/16	6.4795	3.3410	1/8	22.384	39.871	1/4	51.051	207.39	1/4	88.750	626.80
9/32	.88357	.06213	1/8	6.6759	3.5466	1/4	22.776	41.282	1/2	51.836	213.82	1/2	89.535	637.94
19/64	.93266	.06922	3/16	6.8722	3.7583	3/8	23.169	42.718	3/4	52.622	220.35	3/4	90.321	649.18
5/16	.98175	.07670	1/4	7.0686	3.9761	1/2	23.562	44.179	17	53.407	226.98	29	91.106	660.52
21/64	1.03084	.08456	5/16	7.2649	4.2000	5/8	23.955	45.664	1/4	54.192	233.71	1/4	91.892	671.96
11/32	1.0799	.09281	3/8	7.4613	4.4301	3/4	24.347	47.173	1/2	54.978	240.53	1/2	92.677	683.49
23/64	1.1290	.10143	7/16	7.6576	4.6664	7/8	24.740	48.707	3/4	55.763	247.45	3/4	93.462	695.13
3/8	1.1781	.11045	1/2	7.8540	4.9087	8	25.133	50.265	18	56.549	254.47	30	94.248	708.86
25/64	1.2272	.11984	9/16	8.0503	5.1572	1/8	25.525	51.849	1/4	57.334	261.59	1/4	95.033	718.69
13/32	1.2763	.12962	5/8	8.2467	5.4119	1/4	25.918	53.456	1/2	58.119	268.80	1/2	95.819	730.62
27/64	1.3254	.13978	11/16	8.4430	5.6727	3/8	26.311	55.088	3/4	58.905	276.12	3/4	96.604	742.64
7/16	1.3744	.15033	3/4	8.6394	5.9396	1/2	26.704	56.745	19	59.690	283.53	31	97.389	754.77
29/64	1.4235	.16126	13/16	8.8357	6.2126	5/8	27.096	58.426	1/4	60.476	291.04	1/4	98.175	766.99
15/32	1.4726	.17257	7/8	9.0321	6.4918	3/4	27.489	60.132	1/2	61.261	298.65	1/2	98.960	779.31
31/64	1.5217	.18427	15/16	9.2284	6.7771	7/8	27.882	61.862	3/4	62.046	306.35	3/4	99.746	791.73
1/2	1.5708	.19635	3	9.4248	7.0686	9	28.274	63.617	20	62.832	314.16	32	100.531	804.25
17/32	1.6690	.22166	1/8	9.8175	7.6699	1/8	28.667	65.397	1/4	63.617	322.06	1/4	101.316	816.86
9/16	1.7671	.24850	1/4	10.210	8.2958	1/4	29.060	67.201	1/2	64.403	330.06	1/2	102.102	829.58
19/32	1.8653	.27688	3/8	10.603	8.9462	3/8	29.452	69.029	3/4	65.188	338.16	3/4	102.887	842.39
5/8	1.9635	.30680	1/2	10.996	9.6211	1/2	29.845	70.882	21	65.973	346.36	33	103.673	855.30
21/32	2.0617	.33824	5/8	11.388	10.321	5/8	30.238	72.760	1/4	66.759	354.66	1/4	104.458	868.31
11/16	2.1598	.37122	3/4	11.781	11.045	3/4	30.631	74.662	1/2	67.544	363.05	1/2	105.243	881.41
23/32	2.2580	.40574	7/8	12.174	11.793	7/8	31.023	76.589	3/4	68.330	371.54	3/4	106.029	894.62
3/4	2.3562	.44179	4	12.566	12.566	10	31.416	78.540	22	69.115	380.13	34	106.814	907.92
25/32	2.4544	.47937	1/8	12.959	13.364	1/4	32.201	82.516	1/4	69.900	388.82	1/4	107.600	921.32
13/16	2.5525	.51849	1/4	13.352	14.186	1/2	32.987	86.590	1/2	70.686	397.61	1/2	108.385	934.82
27/32	2.6507	.55914	3/8	13.744	15.033	3/4	33.772	90.763	3/4	71.471	406.49	3/4	109.170	948.42
7/8	2.7489	.60132	1/2	14.137	15.904	11	34.558	95.033	23	72.257	415.48	35	109.956	962.11
29/32	2.8471	.64504	5/8	14.530	16.800	1/4	35.343	99.402	1/4	73.042	424.56	1/4	110.741	975.91
15/16	2.9452	.69029	3/4	14.923	17.721	1/2	36.128	103.87	1/2	73.827	433.74	1/2	111.527	989.80
31/32	3.0434	.73708	7/8	15.315	18.665	3/4	36.914	108.43	3/4	74.613	443.01	3/4	112.312	1003.8

BASIC FORMULAS

FORMULA FOR:	WORD FORMULA	LETTER FORMULA
FLUID PRESSURE In Pounds/Square Inch	PRESSURE = $\frac{\text{FORCE (pounds)}}{\text{UNIT AREA (Square Inches)}}$	$P = \frac{F}{A}$ or psi = $\frac{F}{A}$
FLUID FLOW RATE In Gallons/Minute	FLOW RATE = $\frac{\text{VOLUME (Gallons)}}{\text{UNIT TIME (Minutes)}}$	$Q = \frac{V}{T}$
FLUID POWER In Horsepower	HORSEPOWER = $\frac{\text{PRESSURE (PSI) X FLOW (GPM)}}{1714}$	$HP = \frac{PQ}{1714}$

FLUID FORMULAS

VELOCITY THROUGH PIPING In Feet/Second Velocity	VELOCITY = $\frac{\text{.3208 x FLOW RATE THROUGH I.D. (GPM)}}{\text{INTERNAL AREA (Square Inches)}}$	$V = \frac{.3208Q}{A}$
COMPRESSIBILITY OF OIL In Additional Required Oil To Reach Pressure	ADDITIONAL VOLUME = $\frac{\text{PRESSURE (PSI) x VOLUME OF OIL UNDER PRESSURE}}{\text{250,000 (Approx.)}}$	$VA = \frac{PV^{*}}{250{,}000}$ * Approximately 1/2% per 1000 psi
COMPRESSIBILITY OF A FLUID	COMPRESSIBILITY = $\frac{1}{\text{BULK MODULUS OF THE FLUID}}$	$C(\beta) = \frac{1}{BM}$
SPECIFIC GRAVITY OF A FLUID	SPECIFIC GRAVITY = $\frac{\text{WEIGHT OF ONE CUBIC FOOT OF FLUID}}{\text{WEIGHT OF ONE CUBIC FOOT OF WATER}}$	$SG = \frac{W}{62.4283}$
VALVE (CV) FLOW FACTOR	VALVE FACTOR (CV) = $\frac{\text{FLOW RATE (GPM) x }\sqrt{\text{SPECIFIC GRAVITY}}}{\text{PRESSURE DROP (PSI)}}$	$CV = \frac{Q\sqrt{SG}}{\Delta P}$
VISCOSITY IN CENTISTOKES	For Viscosities of 32 to 100 Saybolt Universal Seconds: CENTISTOKES = .2253 x SUS – $\frac{194.4}{SUS}$	$CS = .2253\ SUS - \frac{194.4}{SUS}$
VISCOSITY IN CENTISTOKES	For Viscosities of 100 to 240 Saybolt Universal Seconds: CENTISTOKES = .2193 x SUS – $\frac{134.6}{SUS}$	$CS = .2193\ SUS - \frac{134.6}{SUS}$
VISCOSITY IN CENTISTOKES	For Viscosities Greater Than 240 Saybolt Universal Seconds: CENTISTOKES = $\frac{SUS}{4.635}$	$CS = \frac{SUS}{4.635}$

NOTE: Saybolt Universal Seconds is often abbreviated SSU.

PUMP FORMULAS

PUMP OUTLET FLOW In Gallons/Minute	FLOW = $\frac{\text{RPM X PUMP DISPLACEMENT (Cu. In./Rev.)}}{231}$	$Q = \frac{nd}{231}$
PUMP INPUT POWER In Horsepower Required	HORSEPOWER INPUT = $\frac{\text{FLOW RATE OUTPUT (GPM) X PRESSURE (psi)}}{\text{1714 X EFFICIENCY (Overall)}}$	$HP_{IN} = \frac{QP}{1714\ Eff}$ or $\frac{GPM\ X\ psi}{1714\ Eff}$
PUMP EFFICIENCY Overall in Percent	OVERALL EFFICIENCY = $\frac{\text{OUTPUT HORSEPOWER}}{\text{INPUT HORSEPOWER}}$ X 100	$Eff_{OV} = \frac{HP_{OUT}}{HP_{IN}}$ X 100
	OVERALL EFFICIENCY = VOLUMETRIC Eff. X MECHANICAL Eff.	$Eff_{OV} = Eff_{VOL.}$ X $Eff_{MECH.}$
PUMP EFFICIENCY Overall in Percent	VOLUMETRIC EFFICIENCY = $\frac{\text{ACTUAL FLOW RATE OUTPUT (GPM)}}{\text{THEORETICAL FLOW RATE OUTPUT (GPM)}}$ X 100	$Eff_{VOL} = \frac{O_{ACT.}}{O_{THEO.}}$ X 100
PUMP EFFICIENCY Mechanical in Percent	MECHANICAL EFFICIENCY = $\frac{\text{THEORETICAL TORQUE TO DRIVE}}{\text{ACTUAL TORQUE TO DRIVE}}$ X 100	$Eff_{MEC} = \frac{T_{THEO.}}{T_{ACT.}}$ X 100
PUMP LIFE B_{10} BEARING LIFE	B_{10} HOURS OF BEARING LIFE = RATED LIFE HOURS X $\frac{\text{RATED SPEED (RPM)}}{\text{NEW SPEED (RPM)}} \times \left(\frac{\text{RATED PRESSURE (PSI)}}{\text{NEW PRESSURE (PSI)}}\right)^3$	$B_{10} = \text{RATED HRS. X } \frac{RPM_R}{RPM_N} \times \left(\frac{PR}{PN}\right)^3$

APPENDIX

ACTUATOR FORMULAS

FORMULA FOR:	WORD FORMULA	LETTER FORMULA
CYLINDER AREA In Square Inches	AREA = π X RADIUS^2 (Inches)	$A = \pi r^2$
	= $\frac{\pi \text{ X DIAMETER}^2 \text{ (Inches)}}{4}$	$A = \frac{\pi D^2}{4}$ or $A = .785D^2$
CYLINDER FORCE In Pounds, Push or Pull	FORCE = PRESSURE (psi) X NET AREA (Square Inches)	F = psi X A or F = PA
CYLINDER VELOCITY or SPEED In Feet/Second	VELOCITY = $\frac{231 \text{ X FLOW RATE (GPM)}}{12 \text{ X } 60 \text{ X NET AREA (Square Inches)}}$	$F = \frac{231Q}{720A}$ or $V = \frac{.3208Q}{A}$
CYLINDER VOLUME CAPACITY In Gallons of Fluid	VELOCITY = $\frac{\pi \text{ X RADIUS}^2 \text{ (Inches) X STROKE (Inches)}}{231}$	$V = \frac{\pi r^2 l}{231}$
	= $\frac{\text{NET AREA (Square Inches) X STROKE (Inches)}}{231}$	$V = \frac{A l}{231}$ l = Length of Stroke
CYLINDER FLOW RATE In Gallons Per Minute	FLOW RATE = $\frac{12 \text{ X } 60 \text{ X VELOCITY (Feet/Sec.) X NET AREA (Sq. Inches)}}{231}$	$Q = \frac{720vA}{231}$ or $Q = 3.117vA$
FLUID MOTOR TORQUE In Inch Pounds	TORQUE = $\frac{\text{PRESSURE (psi) X F.M. DISPLACEMENT (Cu. In./Rev.)}}{2\pi}$	$T = \frac{psi\ d}{2\pi}$ or $T = \frac{Pd}{2\pi}$
	= $\frac{\text{HORSEPOWER X 63025}}{\text{RPM}}$	$T = \frac{63025\ HP}{n}$
	= $\frac{\text{FLOW RATE (GPM) X PRESSURE (psi) X 36.77}}{\text{RPM}}$	$T = \frac{36.77QP}{n}$ or $T = \frac{36.77Qpsi}{n}$
FLUID MOTOR TORQUE/100 psi In Inch Pounds	TORQUE/100 psi = $\frac{\text{F.M. DISPLACEMENT (Cu. Inches/Revolution)}}{.0628}$	$T_{100psi} = \frac{d}{.0628}$
FLUID MOTOR SPEED In Revolutions/Minute	SPEED = $\frac{231 \text{ X FLOW RATE (GPM)}}{\text{F.M. DISPLACEMENT (Cu. Inches/Revolution)}}$	$n = \frac{231Q}{d}$
FLUID MOTOR POWER In Horsepower Output	HORSEPOWER = $\frac{\text{TORQUE OUTPUT (Inch Pounds) X RPM}}{63025}$	$HP = \frac{Tn}{63025}$

THERMAL FORMULAS

RESERVOIR COOLING CAPACITY Based on Adequate Air Circulation	HEAT (BTU/HR) = 2 X TEMPERATURE DIFFERENCE BETWEEN RESERVOIR WALLS AND AIR (°F) X AREA OF RESERVOIR (Sq. Ft.)	BTU/HR = 2.0 X ΔT X A
HEAT IN HYDRAULIC OIL (approx.) Due to System Inefficiency (SG=.89-.92)	HEAT (BTU/HR) = FLOW RATE (GPM) X 210 X TEMPERATURE DIFFERENCE (°F)	BTU/HR = Q X 210 X ΔT
HEAT IN FRESH WATER (approx.)	HEAT (BTU/HR) = FLOW RATE (GPM) X 500 X TEMPERATURE DIFFERENCE (°F)	BTU/HR = Q X 500 X ΔT

NOTE: One British Thermal Unit (BTU) is the amount of heat required to raise the temperature of one pound of water one degree. One Horsepower = 2545 BTU/HR.

APPENDIX

ACCUMULATOR FORMULAS

PRESSURE or VOLUME w/ Constant "T" (Temperature)	ORIGINAL PRESSURE X ORIGINAL VOLUME = FINAL PRESSURE X FINAL VOLUME	$P_1 V_1 = P_2 V_2$ Isothermic
PRESSURE or TEMPERATURE w/ Constant "V" (Volume)	ORIGINAL PRESSURE X FINAL TEMPERATURE = FINAL PRESSURE X ORIGINAL TEMPERATURE	$P_1 T_2 = P_2 T_1$ Isochoric
VOLUME or TEMPERATURE w/ Constant "P" (Pressure)	ORIGINAL VOLUME X FINAL TEMPERATURE = FINAL VOLUME X ORIGINAL TEMPERATURE	$V_1 T_2 = V_2 T_1$ Isobaric
PRESSURE or VOLUME	ORIGINAL PRESSURE X ORIGINAL VOLUME^n = FINAL PRESSURE X FINAL VOLUME^n	$P_1 V_1^n = P_2 V_2^n$
w/ Temperature Change Due to Heat of Compression	$\frac{\text{FINAL TEMP.}}{\text{ORIG. TEMP.}} = \left(\frac{\text{ORIG. VOLUME}}{\text{FINAL VOLUME}}\right)^{n-1} = \left(\frac{\text{FINAL PRESSURE}}{\text{ORIG. PRESSURE}}\right)^{n-1/n}$	$\frac{T_2}{T_1} = \left(\frac{V_1}{V_2}\right)^{n-1} = \left(\frac{P_2}{P_1}\right)^{n-1/n}$

NOTE: Where "P" = psia (ABSOLUTE) = psig (GAUGE PRESSURE) + 14.7 psi and n= 1.4 for air.

VOLUME & CAPACITY EQUIVALENTS

	Cubic Inches	Cubic Feet	Cubic Yards	Liters	U.S. Gallons	Imperial Gallons	Water at Max. Density 39.2°F 4°C	
							Pounds of Water	Kilograms of Water
Cu Inches	1	.0005787	.00002143	.016384	.004329	.0036065	.0361275	.0163872
Cu Feet	1728	1	.037037	28.317	7.48052	6.23210	62.4283	28.3170
Cu Yards	46,656	27	1	764.56	201.974	168.266	1685.56	764.559
Liters	61.0234	.0353145	.001308	1	.264170	.220083	2.20462	1
U.S. Gallons	231	.133681	.004951	3.78543	1	.833111	8.34545	3.78543
Imp. Gallons	277.274	.160459	.0059429	4.54374	1.20032	1	10.0172	4.54373
Lbs Water	27.6798	.0160184	.0005929	.453592	.119825	.0998281	1	.453593

APPENDIX

To Convert	Into	Multiply By
Atmospheres	cm Mercury	76.009
Atmospheres	ft. Water (39°F)	33.899
Atmospheres	in. Mercury	29.925
Atmospheres	kgf / Sq. cm	1.0332
Atmospheres	kgf / Sq. Meter	10.332×10^{3}
Atmospheres	psi (lb. / Sq. in.)	14.696
Bar	Atmospheres	986.92×10^{-3}
Bar	Newtons / Sq. Meter	100.0×10^{3}
Bar	psi (lb. / Sq. in.)	14.504
Barrels (oil)	Gallons, U.S.	42.0
BTU	Calories	252.16
BTU	ft.-lb.	778.17
BTU	hp-hr.	393.01×10^{-6}
BTU	kgf Meters	107.59
BTU	kW-hr.	293.07×10^{-6}
BTU / min.	ft.-lb. / sec.	12.969
BTU / min.	Horsepower	23.581×10^{-3}
BTU / min.	Kilowatts	17.584×10^{-3}
BTU / min.	Watts	17.584
Centimeters	Inches	393.7×10^{-3}
Centimeters	Meters	10.0×10^{-3}
Centimeters	Millimeters	10.0
cm / sec.	ft. / min.	1.9685
cm / sec.	ft. / sec.	32.808×10^{-3}
cm / sec.	km / hr.	36.0×10^{-3}
cm / sec.	Meters / min.	600.0×10^{-3}
cm / sec.	Miles / min.	372.82×10^{-6}
cm / sec.	mph (mi. / hr.)	22.369×10^{-3}
cm / sec. / sec.	ft. / sec. / sec.	32.808×10^{-3}
cm Mercury	Atmospheres	13.156×10^{-3}
cm Mercury	ft. Water (39°F)	445.98×10^{-3}
cm Mercury	kgf / Sq. Meter	135.94
cm Mercury	lb. / Sq. ft.	27.842
cm Mercury	psi (lb. / Sq. in.)	193.35×10^{-3}
Cubic cm	Cubic Feet	35.315×10^{-6}
Cubic cm	Cubic Inches	61.024×10^{-3}
Cubic cm	Cubic Meters	1.0×10^{-6}
Cubic cm	Cubic Yards	1.308×10^{-6}
Cubic cm	Gallons, U.S.	264.17×10^{-6}
Cubic cm	Liters	1.0×10^{-3}
Cubic cm	Pints (liq)	2.1134×10^{-3}
Cubic cm	Quarts (liq)	1.0567×10^{-3}
Cubic Feet	Cubic cm	28.317×10^{3}
Cubic Feet	Cubic Inches	1.728×10^{3}
Cubic Feet	Cubic Meters	28.317×10^{-3}
Cubic Feet	Cubic Yards	37.037×10^{-3}
Cubic Feet	Gallons, U.S.	7.4805
Cubic Feet	Liters	28.317
Cubic Feet	Pints (liq)	59.844
Cubic Feet	Quarts (liq)	29.922

To Convert	Into	Multiply By
Cubic ft. / min	Cubic cm / sec.	471.95
Cubic ft. / min	gal. / min.	7.4805
Cubic ft. / min	gal. / sec.	124.68×10^{-3}
Cubic ft. / min	lb. Water / min.	62.428
Cubic ft. / min	Liters / sec.	471.95×10^{-3}
Cubic Inches	Cubic cm	16.387
Cubic Inches	Cubic Feet	578.7×10^{-6}
Cubic Inches	Cubic Meters	16.387×10^{-6}
Cubic Inches	Cubic Yards	21.433×10^{-6}
Cubic Inches	Gallons, U.S.	4.329×10^{-3}
Cubic Inches	Liters	16.387×10^{-3}
Cubic Inches	Pints (liq)	34.632×10^{-3}
Cubic Inches	Quarts (liq)	17.316×10^{-3}
Cubic Meters	Cubic cm	1.0×10^{6}
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Inches	61.024×10^{3}
Cubic Meters	Cubic Yards	1.308
Cubic Meters	Gallons, U.S.	264.17
Cubic Meters	Liters	1.0×10^{3}
Cubic Meters	Pints (liq)	2.1134×10^{3}
Cubic Meters	Quarts (liq)	1.0567×10^{3}
Cubic Yards	Cubic cm	764.55×10^{3}
Cubic Yards	Cubic Feet	27.0
Cubic Yards	Cubic Inches	46.656×10^{3}
Cubic Yards	Cubic Meters	764.55×10^{-3}
Cubic Yards	Gallons, U.S.	201.97
Decimeters	Meters	100.0×10^{-3}
Degrees (angle)	Minutes (angle)	60.0
Degrees (angle)	Radians	17.453×10^{-3}
Degrees (angle)	Seconds (angle)	3.6×10^{3}
Degrees / sec.	Radians / sec.	17.453×10^{-3}
Degrees / sec.	rpm (Rev. / min.)	16.667×10^{-3}
Degrees / sec.	rpm (Rev. / min.)	2.7778×10^{-3}
Feet	Centimeters	30.48
Feet	Inches	12.0
Feet	Meters	304.8×10^{-3}
Feet	Yards	333.33×10^{-3}
ft. / min.	cm / sec.	508.0×10^{-3}
ft. / min.	ft. / sec.	16.667×10^{-3}
ft. / min.	km / hr.	18.288×10^{-3}
ft. / min.	Meters / min.	304.8×10^{-3}
ft. / min.	mph (mi. / hr.)	11.364×10^{-3}
ft. / sec. / sec.	cm. / sec. / sec.	30.48
ft. / sec. / sec.	Meters / sec. / sec.	304.8×10^{-3}
ft. Water (39°F)	Atmospheres	29.5×10^{-3}
ft. Water (39°F)	in. Mercury	882.77×10^{-3}
ft. Water (39°F)	kgf / Sq. cm	30.48×10^{-3}
ft. Water (39°F)	lb. / Sq. ft.	62.428
ft. Water (39°F)	psi (lb. / Sq. in.)	433.53×10^{-3}
ft.-lb.	BTU	1.2851×10^{-3}

COMMON CONVERSION FACTORS

To Convert	Into	Multiply By
ft.-lb.	Calories	324.05×10^{-3}
ft.-lb.	hp-hr.	505.05×10^{-9}
ft.-lb.	kgf-Meters	138.25×10^{-3}
ft.-lb.	kW-hr.	376.62×10^{-9}
ft.-lb.	Newton-meters	1.3558
ft.-lb. / min.	BTU / min.	1.2851×10^{-3}
ft.-lb. / min.	Calories / min.	324.05×10^{-3}
ft.-lb. / min.	ft.-lb. / sec.	16.667×10^{-3}
ft.-lb. / min.	Horsepower	30.303×10^{-6}
ft.-lb. / min.	Kilowatts	22.597×10^{-6}
ft.-lb. / sec.	BTU / min.	77.104×10^{-3}
ft.-lb. / sec.	Calories / min.	19.443
ft.-lb. / sec.	Horsepower	1.8182×10^{-3}
ft.-lb. / sec.	Kilowatts	1.3558×10^{-3}
gal. / min.	Cubic ft. / hr.	8.0208
gal. / min.	Cubic ft. / sec.	2.228×10^{-3}
gal. / min.	Liters / sec.	63.09×10^{-3}
gal. Water (39°F)	lb. Water (39°F)	8.3454
Gallons, Imp.	Gallons, U.S.	1.201
Gallons, U.S.	Cubic cm	3.7854×10^{3}
Gallons, U.S.	Cubic Feet	133.68×10^{-3}
Gallons, U.S.	Cubic Inches	231.0
Gallons, U.S.	Cubic Meters	3.7854×10^{-3}
Gallons, U.S.	Gallons, Imp.	832.67×10^{-3}
Gallons, U.S.	Liters	3.7854
Gallons, U.S.	Pints (liq)	8.0
Gallons, U.S.	Quarts (liq)	4.0
Horsepower	BTU / min.	42.407
Horsepower	Calories / min.	10.694×10^{3}
Horsepower	ft.-lb. / min.	33.0×10^{3}
Horsepower	ft.-lb. / sec.	550.0
Horsepower	Kilowatts	745.7×10^{-3}
Horsepower	Metric Horsepower	1.0139
Horsepower	Watts	745.7
hp.-hr.	BTU	2.5444×10^{3}
hp.-hr.	Calories	641.62×10^{3}
hp.-hr.	ft.-lb.	1.98×10^{6}
hp.-hr.	kgf-Meters	273.74×10^{3}
hp.-hr.	kW-hr.	745.7×10^{-3}
in. Mercury	Atmospheres	33.417×10^{-3}
in. Mercury	ft. Water (39°F)	1.1328
in. Mercury	kgf / Sq. cm	34.528×10^{-3}
in. Mercury	lb. / Sq. ft.	70.718
in. Mercury	psi (lb. / Sq. in.)	491.1×10^{-3}
in. Water (39°F)	Atmospheres	2.4583×10^{-3}
in. Water (39°F)	in. Mercury	73.564×10^{-3}
in. Water (39°F)	kgf / Sq. cm	2.54×10^{-3}
in. Water (39°F)	lb. / Sq. ft.	5.2023
in. Water (39°F)	psi (lb. / Sq. in.)	36.127×10^{-3}
in.-lb.	Newton-meters	112.98×10^{-3}

To Convert	Into	Multiply By
Inches	Centimeters	2.54
Inches	Millimeters	25.4
kg force / sq cm	Atmospheres	967.84×10^{-3}
kg force / sq cm	ft. Water (39°F)	32.808
kg force / sq cm	in. Mercury	28.962
kg force / sq cm	lb. / Sq. ft.	2.0482×10^{3}
kg force / sq cm	psi (lb. / Sq. in.)	14.223
Kilograms	Dyne	980.66×10^{3}
Kilograms	Grams	1.0×10^{3}
Kilograms	Pounds	2.2046
Kilograms	Tons, Short	1.1023×10^{-3}
Kilometers	Centimeters	100.0×10^{3}
Kilometers	Feet	32.808×10^{6}
Kilometers	Meters	1.0×10^{3}
Kilometers	Miles	621.37×10^{-3}
Kilowatts	BTU / min.	56.869
Kilowatts	Calories / min.	14.34×10^{3}
Kilowatts	ft.-lb. / min.	44.254×10^{3}
Kilowatts	ft.-lb. / sec.	737.56
Kilowatts	Horsepower	1.341
Kilowatts	Watts	1.0×10^{3}
km / hr.	cm / sec.	27.778
km / hr.	ft. / min.	54.681
km / hr.	ft. / sec.	911.34×10^{-3}
km / hr.	Meters / min.	16.667
km / hr.	mph (mi. / hr.)	621.37×10^{-3}
km / hr. / sec.	cm. / sec. / sec.	27.778
km / hr. / sec.	ft. / sec. / sec.	911.34×10^{-3}
km / hr. / sec.	Meters / sec. / sec.	277.78×10^{-3}
kW-hr.	BTU	3.4121×10^{3}
kW-hr.	Calories	860.42×10^{3}
kW-hr.	ft.-lb.	2.6552×10^{6}
kW-hr.	hp-hr.	1.341
kW-hr.	kgf-Meters	367.1×10^{3}
lb. / Cubic ft.	lb. / Cubic in.	578.7×10^{-6}
lb. / Cubic in.	lb. / Cubic ft.	1.728×10^{3}
lb. Water (39°F)	Cubic Feet	16.018×10^{-3}
lb. Water (39°F)	Cubic Inches	27.68
lb. Water (39°F)	Gallons, U.S.	119.83×10^{-3}
lb. Water / min.	Cubic ft. / sec.	266.97×10^{-6}
Liters	Cubic cm	1.0×10^{3}
Liters	Cubic Feet	35.315×10^{-3}
Liters	Cubic Inches	61.024
Liters	Cubic Meters	1.0×10^{-3}
Liters	Gallons, U.S.	264.17×10^{-3}
Liters	Quarts (liq)	1.0567
Liters / min.	gal. / sec.	4.4029×10^{-3}
Meters	Centimeters	100.0
Meters	Feet	3.2808
Meters	Inches	39.37

APPENDIX

To Convert	Into	Multiply By
Meters	Kilometers	1.0×10^{-3}
Meters	Millimeters	1.0×10^{3}
Meters / min.	cm / sec.	1.6667
Meters / min.	ft. / min.	3.2808
Meters / min.	ft. / sec.	54.681×10^{-3}
Meters / min.	km / hr.	60.0×10^{-3}
Meters / min.	mph (mi. / hr.)	37.282×10^{-3}
Meters / sec.	ft. / min.	196.85
Meters / sec.	ft. / sec.	3.2808
Meters / sec.	km / hr.	3.6
Meters / sec.	km / min.	60.0×10^{-3}
Meters / sec.	Miles / min.	37.282×10^{-3}
Meters / sec.	mph (mi. / hr.)	2.2369
Microns	Inches	39.37×10^{-6}
Microns	Meters	1.0×10^{-6}
Millimeters	Centimeters	100.0×10^{-3}
Millimeters	Inches	39.37×10^{-3}
Minutes (Angle)	Radians	290.89×10^{-6}
mph (mi. / hr.)	cm / sec.	44.704
mph (mi. / hr.)	ft. / min.	88.0
mph (mi. / hr.)	ft. / sec.	1.4667
mph (mi. / hr.)	km / hr.	1.6093
mph (mi. / hr.)	Meters / min.	26.822
Newtons	Kilograms force	101.97×10^{-3}
Ounces	Grams	28.35
Ounces	Pounds	62.5×10^{-3}
Ounces, Fluid	Cubic Inches	1.8047
Ounces, Fluid	Liters	29.574×10^{-3}
Pounds	Grams	453.59
Pounds	Kilograms	453.59×10^{-3}
Pounds	Newtons	4.4482
Pounds	Ounces	16.0
Pounds	Tons, Short	500.0×10^{-6}
psi (lb. / Sq. in.)	Atmospheres	68.046×10^{-3}
psi (lb. / Sq. in.)	ft. Water (39°F)	2.3067
psi (lb. / Sq. in.)	in. Mercury	2.0363
psi (lb. / Sq. in.)	kgf / Sq. cm	70.307×10^{-3}
Radians	Degrees (angle)	57.296
Tons, Long	Kilograms	1.016×10^{3}
Tons, Long	Pounds	2.24×10^{3}
Tons, Long	Tons, Short	1.12
Tons, Metric	Pounds	2.2046×10^{3}
Tons, Short	Kilograms	907.18
Tons, Short	Tons, Long	892.86×10^{-3}
Tons, Short	Tons, Metric	907.18×10^{-3}
Watt-hr.	BTU	3.4121
Watt-hr.	Calories	860.42
Watt-hr.	ft.-lb.	2.6552×10^{3}
Watt-hr.	hp-hr.	1.341×10^{-3}
Watt-hr.	kgf-Meters	367.1

To Convert	Into	Multiply By
Watt-hr.	kW-hr.	1.0×10^{-3}
Watts	BTU / min.	56.869×10^{-3}
Watts	Calories / min.	14.34
Watts	ft.-lb. / min.	44.254
Watts	ft.-lb. / sec.	737.56×10^{-3}
Watts	Horsepower	1.341×10^{-3}
Watts	Kilowatts	1.0×10^{-3}

COMMODITY & MATERIAL WEIGHTS

Approximate Weights of Materials

Material	lbs. / cu. yd.	tons / cu. yd.
Andesite stone	4,887	2.44
Ashes	1,080	0.52
Asphalt	2,700	1.35
Asphaltum	2,349	1.17
Basalt rock	4,887	2.44
Brick, soft clay	2,718	1.35
Brick, hard clay	3,397	1.69
Brick, pressed	3,806	1.90
Brick, paving	4,246	2.12
Block, paving	3,694	1.84
Bluestone	2,970	1.48
Cement, natural	1,512	0.75
Cement, Portland	2,430	1.21
Cement, Portland, set	4,941	2.47
Cement, Rosendale	1,863	0.93
Cinders	1,080	0.54
Clay, dry	1,701	0.85
Clay, wet	2,970	1.48
Clay & gravel, dry	2,700	1.35
Coal, anthracite	1,536	0.76
Coal, bituminous	1,275	0.64
Coke	837	0.42
Concrete, cinders	2,970	1.48
Concrete, gravel	4,104	2.05
Concrete, limestone	4,050	2.02
Concrete, sandstone	3,915	1.95
Concrete, trap rock	4,185	2.09
Crushed stone	2,700	1.35
Earth, dry, loose	1,890	0.94
Earth, damp, loose	2,106	1.05
Earth, damp, packed	2,592	1.29
Earth & gravel, dry	2,700	1.35
Earth & gravel, wet	3,240	1.62
Earth & sand, dry	2,709	1.35

Material	lbs. / cu. yd.	tons / cu. yd.
Earth & sand, wet	3,240	1.62
Fire Brick	3,915	1.95
Fire Clay	3,510	1.75
Garbage	1,150	0.57
Gravel, dry	2,970	1.48
Gravel, out of water	1,620	0.81
Granite	4,536	2.26
Lime, quick, loose	1,431	0.71
Lime, quick, shaken	1,485	0.70
Limestone, solid	4,400	2.20
Limestone, loose	2,592	1.29
Marble, solid	4,455	2.22
Marble, loose	2,592	1.29
Mortar, set	2,781	1.39
Mud, dry	2,430	1.21
Mud, packed	3,105	1.55
Mud, wet	2,916	1.45
Pitch	1,863	0.93
Plaster of Paris	2,646	1.32
Powder, blasting	1,682	0.84
Quartz	4,374	2.18
Rubbish	199.8	0.09
Sand, dry, loose	2,619	1.30
Sand, wet	3,186	1.59
Sandstone	4,023	2.01
Slag, blank	1,890	0.94
Slag, screenings	2,700	1.35
Slag, machine	2,592	1.29
Slag, sand	1,485	0.74
Shale	4,374	2.18
Slate	4,725	2.31
Tar	1,674	0.83
Tile	2,970	1.43
Trap stone	5,849	2.52

Steel & Aluminum Gauge, Thickness and Weight

Gauge	Thickness (inches)	Weight (lbs./ft^2)
Steel		
3/8”	0.375	15.320
1/4” (approx. 3 Ga.)	0.250	10.200
3/16” (approx. 7 Ga.)	0.188	7.650
8 Ga.	0.164	6.875
9 Ga.	0.149	6.250
10 Ga.	0.134	5.625
11 Ga.	0.120	5.000
12 Ga.	0.105	4.375
13 Ga.	0.090	3.750
14 Ga.	0.075	3.125
Aluminum		
3/8”	0.375	5.18
1/4”	0.250	3.53
3/16”	0.188	2.65
5/32”	0.156	2.25