

INCH SECTION

1

INCH TABLE OF CONTENTS

CONTENTS

PAGE

Wipers	2 - 24
Rod Seals	25 - 35
Rod T-Seals	36
Rod Buffer Seals	37 - 44
U-Seals	45 - 87
V-Packing Sets	88 - 92
Individual V-Rings & Adaptors	93 - 101
Piston U-Seals	102 - 106
Piston Cups	107 - 110
Piston T-Seals	111 - 116
Piston Seal Assemblies	117 - 143
Unitized Pistons	144
Cast Iron Piston Rings	145 - 147
Wear Rings & Bearings	148 - 162
Oil Seals	163 - 167
O-Ring Gland and Sizing Information	168 - 172
O-Rings, Head Seals, Flange Seals	173 - 204
O-Ring Assortment Kits	205 - 213
Back-Up Rings	214 - 225
Back-Up Ring Assortment Kits	226 - 227
Retainer Rings	228 - 235
Retainer Ring Assortment Kits	236 - 237
Gaskets & Pump Packing	238 - 241
Lock Nuts	242 - 243
Self-Aligning Bearings	244
Cap Plugs	245 - 247
Miscellaneous Products	248 - 255
Metric / Inch Conversion Table	256

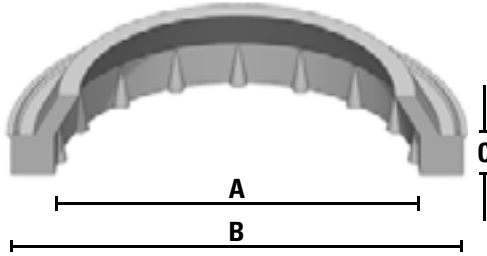


INCH



[SEAL INFORMATION]

DH

**MATERIAL**

93A BLUE URETHANE

TEMPERATURE RANGE

-49° TO +230° F

PART NUMBER

(Prefix) - (Rod Dia.) - (Base Ht.)

Snap-in DH wipers have the same groove dimensions as the 'DS' and 'DT' wipers. They are molded from a premium urethane suitable for marginally higher temperatures and heavier duty than our standard D style wipers. Special features of this style are an extending crush lip that provides extra interference in the groove, a beaded lip on the shoulder that better prevents contaminants from entering the groove, and a ribbed inside diameter design that offers extra stability and helps limit pressure traps between the wiper lip and the rod seal.

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DH-0375	0.375	0.625	0.125	\$ 2.29
DH-0500	0.500	0.750	0.125	2.34
DH-0562	0.563	0.844	0.125	2.89
DH-0625	0.625	0.875	0.125	2.34
DH-0750	0.750	1.125	0.187	2.34
DH-0875	0.875	1.250	0.187	2.34
DH-1000	1.000	1.375	0.187	2.46
DH-1125	1.125	1.500	0.187	2.46
DH-1187	1.187	1.562	0.187	2.46
DH-1250	1.250	1.625	0.187	2.46
DH-1275-187	1.275	1.650	0.187	3.89
DH-1375	1.375	1.750	0.187	2.74
DH-1500	1.500	1.875	0.187	2.99
DH-1625	1.625	2.000	0.187	3.12
DH-1750	1.750	2.125	0.187	3.38
DH-1875	1.875	2.250	0.187	3.50
DH-2000	2.000	2.500	0.250	3.53
DH-2125	2.125	2.625	0.250	3.65
DH-2250	2.250	2.750	0.250	3.86
DH-2375	2.375	2.875	0.250	4.02
DH-2500	2.500	3.000	0.250	4.15
DH-2750	2.750	3.250	0.250	4.28
DH-3000	3.000	3.500	0.250	4.43
DH-3187-187	3.188	3.562	0.187	7.29

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DH-3250	3.250	3.750	0.250	\$ 4.94
DH-3500	3.500	4.000	0.250	5.09
DH-3750	3.750	4.250	0.250	5.90
DH-3875	3.875	4.375	0.250	7.34
DH-4000-187	4.000	4.375	0.187	9.11
DH-4000	4.000	4.500	0.250	6.66
DH-4250	4.250	4.750	0.250	6.86
DH-4500	4.500	5.250	0.375	7.43
DH-4500-250	4.500	5.000	0.250	11.52
DH-4750-187	4.750	5.125	0.187	12.38
DH-4750	4.750	5.500	0.375	8.89
DH-4875	4.875	5.625	0.375	12.86
DH-5000	5.000	5.750	0.375	10.40
DH-5000-250	5.000	5.500	0.250	17.32
DH-5250	5.250	6.000	0.375	13.46
DH-5500-187	5.500	5.875	0.187	18.19
DH-5500	5.500	6.250	0.375	13.33
DH-5750	5.750	6.500	0.375	14.54
DH-5750-250	5.750	6.250	0.250	21.92
DH-5875	5.875	6.625	0.375	16.17
DH-6000	6.000	6.750	0.375	15.30
DH-6000-250	6.000	6.500	0.250	24.09
DH-6375	6.375	6.875	0.250	28.11
DH-6500	6.500	7.250	0.375	16.12

DH WIPER RINGS

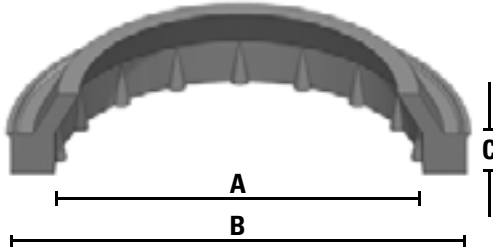
PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DH-7000	7.000	7.750	0.375	\$ 18.15
DH-7000-250	7.000	7.500	0.250	29.86
DH-7250	7.250	7.750	0.250	18.51
DH-7500	7.500	8.250	0.375	18.81
DH-8000	8.000	8.750	0.375	21.54
DH-8125	8.125	8.625	0.250	31.21
DH-8250	8.250	9.000	0.375	23.83
DH-8500	8.500	9.250	0.375	24.56
DH-9000	9.000	9.750	0.375	24.83

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DH-9125	9.125	9.625	0.250	\$ 36.77
DH-9375	9.375	9.875	0.250	29.22
DH-9500	9.500	10.250	0.375	26.10
DH-10000	10.000	11.000	0.500	32.60
DH-11000	11.000	12.000	0.500	35.13
DH-11000-375	11.000	11.750	0.375	81.04
DH-14000	14.000	15.000	0.500	116.10
DH-15000	15.000	16.000	0.500	126.27



[SEAL INFORMATION]

DH-P55



MATERIAL

55D POLYESTER

TEMPERATURE RANGE

-40° TO +250° F

PART NUMBER

(Prefix) - (Rod Dia.) (Material)

The polyester DH wiper is made from a 55 shore D material selected for its superior abrasion resistance. It is the same design as the urethane DH wiper with a crush lip on the shoulder for added interference in the groove, a ribbed inner diameter to control pressure traps between the wiper and rod seal, and a bead on the shoulder to prevent contaminants from entering through the groove. This hydrolysis resistant wiper is ideal for heavy duty applications where a lower coefficient of friction and/or a more durable material for exclusion is needed.

PART NUMBER	A ROD DIA.	B GROOVE I.D.	C BASE THICKNESS	LIST PRICE
DH-0375-P55	3/8	5/8	1/8	\$ 3.37
DH-0500-P55	1/2	3/4	1/8	3.44
DH-0625-P55	5/8	7/8	1/8	3.89
DH-0750-P55	3/4	1-1/8	3/16	3.44
DH-0875-P55	7/8	1-1/4	3/16	3.44
DH-1000-P55	1	1-3/8	3/16	3.62
DH-1125-P55	1-1/8	1-1/2	3/16	3.62
DH-1187-P55	1-3/16	1-9/16	3/16	3.68
DH-1250-P55	1-1/4	1-5/8	3/16	3.68
DH-1375-P55	1-3/8	1-3/4	3/16	4.02
DH-1500-P55	1-1/2	1-7/8	3/16	4.40
DH-1625-P55	1-5/8	2	3/16	4.67
DH-1750-P55	1-3/4	2-1/8	3/16	4.96
DH-1875-P55	1-7/8	2-1/4	3/16	5.14
DH-2000-P55	2	2-1/2	1/4	5.19

PART NUMBER	A ROD DIA.	B GROOVE I.D.	C BASE THICKNESS	LIST PRICE
DH-2125-P55	2-1/8	2-5/8	1/4	\$ 5.36
DH-2250-P55	2-1/4	2-3/4	1/4	5.65
DH-2375-P55	2-3/8	2-7/8	1/4	5.91
DH-2500-P55	2-1/2	3	1/4	6.13
DH-2750-P55	2-3/4	3-1/4	1/4	6.29
DH-3000-P55	3	3-1/2	1/4	6.50
DH-3250-P55	3-1/4	3-3/4	1/4	7.22
DH-3500-P55	3-1/2	4	1/4	7.48
DH-3750-P55	3-3/4	4-1/4	1/4	8.64
DH-4000-P55	4	4-1/2	1/4	9.79
DH-4500-P55	4-1/2	5-1/4	3/8	10.92
DH-5000-P55	5	5-3/4	3/8	15.29
DH-5500-P55	5-1/2	6-1/4	3/8	19.57
DH-6000-P55	6	6-3/4	3/8	22.43
DH-7000-P55	7	7-3/4	3/8	26.68

D WIPER RINGS

5

WIPERS

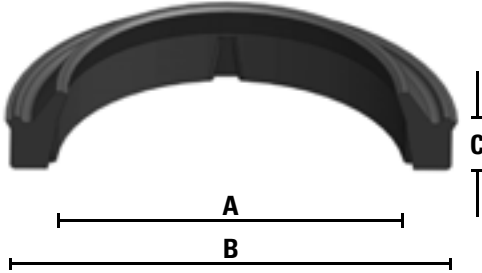
[SEAL INFORMATION]

D

D/DS



DT



MATERIAL

URETHANE/FLUOROCARBON

TEMPERATURE RANGE

URETHANE: -65° TO +220° F
FLCBN: -20° TO +400° F

PART NUMBER

(Prefix) - (Rod Dia.) - (Base Ht.) -
(Wide CS) (Material)

Prefixes:

D = Standard

DS = Slotted-heel

DT = Shoulder excluder, slotted heel

Suffixes:

V = Fluorocarbon

W = Wide cross-section

Most often made from 95A durometer polyurethane, D wiper rings are flexible enough to easily snap into a groove yet tough enough to handle difficult rod wiping applications. Many common sizes have been enhanced with a number of design improvements, adding slots in the heel and ribs on the OD to increase contamination resistance. When a D wiper is upgraded, the older version may be obsolete and replaced with the DT style.
Note: We offer many sizes made of fluorocarbon as well.

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DT-0250	1/4	1/2	1/8	\$ 2.19
DT-0312	5/16	9/16	1/8	2.34
DT-0375	3/8	5/8	1/8	2.40
D-0375-V	3/8	5/8	1/8	9.45
DT-0437	7/16	11/16	1/8	3.95
DT-0500	1/2	3/4	1/8	2.46
DS-0562	9/16	13/16	1/8	2.40
DT-0625	5/8	7/8	1/8	2.46
D-0625-V	5/8	7/8	1/8	8.66
D-0687	11/16	15/16	1/8	4.06
DT-0750	3/4	1-1/8	3/16	2.46
D-0750-V	3/4	1-1/8	3/16	9.87
DT-0875	7/8	1-1/4	3/16	2.46
DT-0937	15/16	1-5/16	3/16	4.31
DT-1000	1	1-3/8	3/16	2.58
D-1000-V	1	1-3/8	3/16	10.57
DS-1062	1-1/16	1-7/16	3/16	2.40
D-1100	1.10	1.49	3/16	2.40
DT-1125	1-1/8	1-1/2	3/16	2.58
D-1125-V	1-1/8	1-1/2	3/16	11.58
DT-1187	1-3/16	1-9/16	3/16	2.58

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DT-1250	1-1/4	1-5/8	3/16	\$ 2.58
D-1250-V	1-1/4	1-5/8	3/16	13.27
DT-1312	1-5/16	1-11/16	3/16	2.73
DT-1375	1-3/8	1-3/4	3/16	2.88
D-1375-V	1-3/8	1-3/4	3/16	14.08
DT-1500	1-1/2	1-7/8	3/16	3.13
D-1500-V	1-1/2	1-7/8	3/16	15.49
DT-1562	1-9/16	1-7/8	3/16	4.81
DT-1625	1-5/8	2	3/16	3.28
DT-1750	1-3/4	2-1/8	3/16	3.55
D-1750-V	1-3/4	2-1/8	3/16	16.84
DT-1875	1-7/8	2-1/4	3/16	3.67
DT-1937	1-15/16	2-5/16	3/16	5.24
DT-2000	2	2-1/2	1/4	3.71
D-2000-V	2	2-1/2	1/4	17.54
DT-2125	2-1/8	2-5/8	1/4	3.83
D-2125-187	2-1/8	2-1/2	3/16	10.23
DT-2250	2-1/4	2-3/4	1/4	4.06
DS-2375	2-3/8	2-7/8	1/4	4.22
DT-2500	2-1/2	3	1/4	4.36
D-2500-V	2-1/2	3	1/4	22.73



INCH

D WIPER RINGS

WIPERS

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
D-2562	2-9/16	3-1/16	1/4	\$ 11.35
DT-2625	2-5/8	3-1/8	1/4	4.36
DT-2750	2-3/4	3-1/4	1/4	4.49
D-2750-V	2-3/4	3-1/4	1/4	25.10
DT-2875	2-7/8	3-3/8	1/4	4.65
D-2875-V	2-7/8	3-3/8	1/4	25.77
DT-3000	3	3-1/2	1/4	4.65
D-3000-V	3	3-1/2	1/4	31.38
DT-3125	3-1/8	3-5/8	1/4	5.19
DT-3250	3-1/4	3-3/4	1/4	5.19
D-3250-V	3-1/4	3-3/4	1/4	29.08
DT-3375	3-3/8	3-7/8	1/4	5.35
DT-3500	3-1/2	4	1/4	5.35
D-3500-V	3-1/2	4	1/4	36.01
DT-3625	3-5/8	4-1/8	1/4	6.19
DT-3750	3-3/4	4-1/4	1/4	6.19
DT-3875	3-7/8	4-3/8	1/4	7.71
DT-4000	4	4-1/2	1/4	6.99
DT-4125	4-1/8	4-5/8	1/4	10.75
DT-4250	4-1/4	4-3/4	1/4	7.20
D-4250-V	4-1/4	4-3/4	1/4	42.25
DT-4375	4-3/8	4-7/8	1/4	11.08
DT-4500	4-1/2	5-1/4	3/8	7.80
D-4500-V	4-1/2	5-1/4	3/8	52.44
D-4500-250	4-1/2	5	1/4	12.10
DS-4625	4-5/8	5-3/8	3/8	8.32
DT-4750	4-3/4	5-1/2	3/8	8.28
DT-4875	4-7/8	5-5/8	3/8	13.50
DT-5000	5	5-3/4	3/8	10.92
D-5000-250	5	5-1/2	1/4	14.10
D-5000-V	5	5-3/4	3/8	79.47
D-5125	5-1/8	5-7/8	3/8	39.06
DT-5250	5-1/4	6	3/8	13.49
D-5250-V	5-1/4	6	3/8	87.50
D-5375	5-3/8	6-1/8	3/8	17.20
DT-5500	5-1/2	6-1/4	3/8	14.00
D-5500-V	5-1/2	6-1/4	3/8	96.04
DT-5625	5-5/8	6-3/8	3/8	30.33
DT-5750	5-3/4	6-1/2	3/8	15.27
DS-5875	5-7/8	6-5/8	3/8	16.98
D-6000-250	6	6-1/2	1/4	56.31

PART NUMBER	A ROD DIA.	B O.D. WIPER	C BASE THICKNESS	LIST PRICE
DT-6000	6	6-3/4	3/8	\$ 16.07
D-6000-V	6	6-3/4	3/8	105.33
DT-6250	6-1/4	7	3/8	16.50
D-6375	6-3/8	7-1/8	3/8	28.11
DT-6500	6-1/2	7-3/8	3/8	16.93
D-6500-W	6-1/2	7-1/2	3/8	94.87
D-6500-500	6-1/2	7-1/2	1/2	64.66
DT-6750	6-3/4	7-1/2	3/8	17.72
D-6875	6-7/8	7-5/8	3/8	18.16
DT-7000	7	7-3/4	3/8	19.05
D-7000-400	7	8	.400	54.10
DT-7250	7-1/4	8	3/8	19.44
DT-7500	7-1/2	8-1/4	3/8	19.75
D-7500-500	7-1/2	8-1/2	1/2	132.76
DT-7750	7-3/4	8-1/2	3/8	21.93
DT-8000	8	8-3/4	3/8	22.62
D-8000-250	8	8-1/2	1/4	22.10
DT-8250	8-1/4	9	3/8	25.02
DT-8500	8-1/2	9-1/4	3/8	24.56
D-8500-250	8-1/2	9-1/2	1/4	42.29
DT-8750	8-3/4	9-1/2	3/8	26.58
DT-9000	9	9-3/4	3/8	26.08
D-9000-500	9	10	1/2	75.28
DT-9500	9-1/2	10-1/4	3/8	27.40
D-9750	9-3/4	10-1/2	3/8	64.07
DT-10000	10	11	1/2	34.23
DS-10250	10-1/4	11-1/4	1/2	43.29
D-10000-250	10	10-1/2	1/4	76.74
DS-10500	10-1/2	11-1/2	1/2	34.43
D-10625	10-5/8	11-5/8	1/2	89.19
DS-10750	10-3/4	11-3/4	1/2	50.04
DT-11000	11	12	1/2	36.88
DS-11500	11-1/2	12-1/2	1/2	51.52
DS-12000	12	13	1/2	37.96
D-12000-W	12	13-1/4	1/2	98.18
D-12500	12-1/2	13-1/2	1/2	68.30
D-13500	13-1/2	14-1/2	1/2	144.53
D-13750	13-3/4	14-3/4	1/2	96.39
D-14000	14	15	1/2	121.91
D-16000	16	17	1/2	215.54

NOTE: Style "DS" Wipers available upon request with minimum purchase at factory.

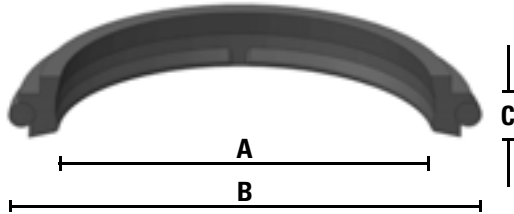


INCH

DX ENERGIZED WIPER RINGS

[SEAL INFORMATION]

DX



MATERIAL

URETHANE WIPER
RUBBER ENERGIZER

TEMPERATURE RANGE

-65° TO +220° F

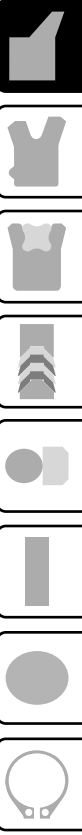
PART NUMBER

(Prefix) - (Rod Diameter)

DX wipers are designed to retrofit standard D wiper grooves. The O-ring energizer prevents dirt from filtering around the outside diameter of the wiper and is more effective in applications where severe side loading is a concern.

PART NUMBER	A ROD DIA.	B O.D. WIPER	C - BASE THICKNESS	LIST PRICE
DX-0750	3/4	1-1/8	3/16	\$ 7.35
DX-1000	1	1-3/8	3/16	8.68
DX-1125	1-1/8	1-1/2	3/16	9.36
DX-1250	1-1/4	1-5/8	3/16	10.08
DX-1375	1-3/8	1-3/4	3/16	10.37
DX-1500	1-1/2	1-7/8	3/16	10.57
DX-1625	1-5/8	2	3/16	11.22
DX-1750	1-3/4	2-1/8	3/16	12.03
DX-2000	2	2-1/2	1/4	13.54
DX-2250	2-1/4	2-3/4	1/4	14.38
DX-2500	2-1/2	3	1/4	15.58
DX-2750	2-3/4	3-1/4	1/4	21.71
DX-3000	3	3-1/2	1/4	17.90

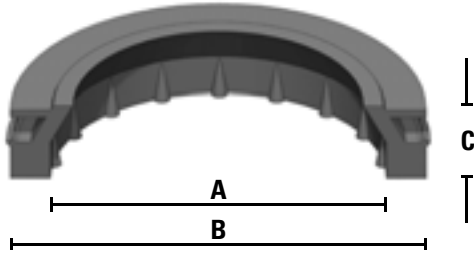
PART NUMBER	A ROD DIA.	B O.D. WIPER	C - BASE THICKNESS	LIST PRICE
DX-3250	3-1/4	3-3/4	1/4	\$ 24.27
DX-3375	3-3/8	3-7/8	1/4	32.35
DX-3500	3-1/2	4	1/4	27.00
DX-3750	3-3/4	4-1/4	1/4	27.33
DX-4000	4	4-1/2	1/4	27.92
DX-4250	4-1/4	4-3/4	1/4	37.71
DX-4500	4-1/2	5-1/4	3/8	39.98
DX-5000	5	5-3/4	3/8	51.53
DX-6000	6	6-3/4	3/8	76.72
DX-7000	7	7-3/4	3/8	120.08
DX-8000	8	8-3/4	3/8	124.57
DX-9000	9	9-3/4	3/8	110.26



7

[SEAL INFORMATION]

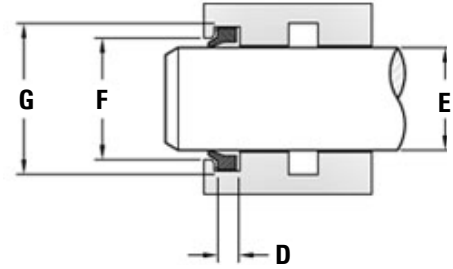
DHF



MATERIAL 95A URETHANE (BLUE)

TEMPERATURE RANGE -50° TO +230° F

PART NUMBER (Prefix) - (Size)



Made from high performance polyurethane, DHF wipers were developed for extremely harsh environments, particularly in the longwall mining industry. They fit standard D style wiper grooves. A special flap on the wiping lip, which covers the gland housing, provides extra protection against ingress of foreign particles around the outside of the wiper. Internal ribs on the inside diameter prevent pressure traps between the rod seal and the wiper and support the correct wiping of the lip.

PART NUMBER	A ROD DIA.	B O.D. WIPER	C NOM. HT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	LIST PRICE
DHF-1125	1-1/8	1-1/2	3/16	.187 +.004 +.000	1.125 -.0008 -.0028	1.370 +.010 +.000	1.497 +.006 +.000	\$ 5.97
DHF-1250	1-1/4	1-5/8	3/16	.187 +.004 +.000	1.250 -.0010 -.0034	1.495 +.010 +.000	1.622 +.006 +.000	6.14
DHF-1375	1-3/8	1-3/4	3/16	.187 +.004 +.000	1.375 -.0010 -.0034	1.620 +.010 +.000	1.747 +.006 +.000	6.62
DHF-1500	1-1/2	1-7/8	3/16	.187 +.004 +.000	1.500 -.0010 -.0034	1.745 +.010 +.000	1.872 +.006 +.000	6.96
DHF-1750	1-3/4	2-1/8	3/16	.187 +.004 +.000	1.750 -.0010 -.0034	1.995 +.010 +.000	2.122 +.006 +.000	7.42
DHF-2000	2	2-1/2	1/4	.249 +.004 +.000	2.000 -.0012 -.0041	2.327 +.010 +.000	2.497 +.006 +.000	8.10
DHF-2250	2-1/4	2-3/4	1/4	.249 +.004 +.000	2.250 -.0012 -.0041	2.577 +.010 +.000	2.747 +.006 +.000	8.88
DHF-2500	2-1/2	3	1/4	.249 +.004 +.000	2.500 -.0012 -.0041	2.827 +.010 +.000	2.997 +.006 +.000	9.23
DHF-2750	2-3/4	3-1/4	1/4	.249 +.004 +.000	2.750 -.0012 -.0041	3.077 +.010 +.000	3.247 +.006 +.000	9.49
DHF-3000	3	3-1/2	1/4	.249 +.004 +.000	3.000 -.0012 -.0041	3.327 +.010 +.000	3.497 +.006 +.000	9.74
DHF-3250	3-1/4	3-3/4	1/4	.249 +.004 +.000	3.250 -.0014 -.0048	3.577 +.010 +.000	3.747 +.006 +.000	10.37
DHF-3375	3-3/8	3-7/8	1/4	.249 +.004 +.000	3.375 -.0014 -.0048	3.702 +.010 +.000	3.872 +.006 +.000	10.66
DHF-3500	3-1/2	4	1/4	.249 +.004 +.000	3.500 -.0014 -.0048	3.827 +.010 +.000	3.997 +.006 +.000	11.21
DHF-3750	3-3/4	4-1/4	1/4	.249 +.004 +.000	3.750 -.0014 -.0048	4.077 +.010 +.000	4.247 +.006 +.000	11.79
DHF-4000	4	4-1/2	1/4	.249 +.004 +.000	4.000 -.0014 -.0048	4.327 +.010 +.000	4.497 +.006 +.000	12.03
DHF-4500	4-1/2	5-1/4	3/8	.374 +.004 +.000	4.500 -.0014 -.0048	4.993 +.010 +.000	5.247 +.006 +.000	13.28
DHF-5000	5	5-3/4	3/8	.374 +.004 +.000	5.000 -.0017 -.0056	5.493 +.010 +.000	5.747 +.006 +.000	15.15
DHF-6000	6	6-3/4	3/8	.374 +.004 +.000	6.000 -.0017 -.0056	6.493 +.010 +.000	6.747 +.006 +.000	18.98
DHF-7000	7	7-3/4	3/8	.374 +.004 +.000	7.000 -.0017 -.0056	7.493 +.010 +.000	7.747 +.006 +.000	22.64
DHF-8000	8	8-3/4	3/8	.374 +.004 +.000	8.000 -.0020 -.0065	8.493 +.010 +.000	8.747 +.006 +.000	32.00

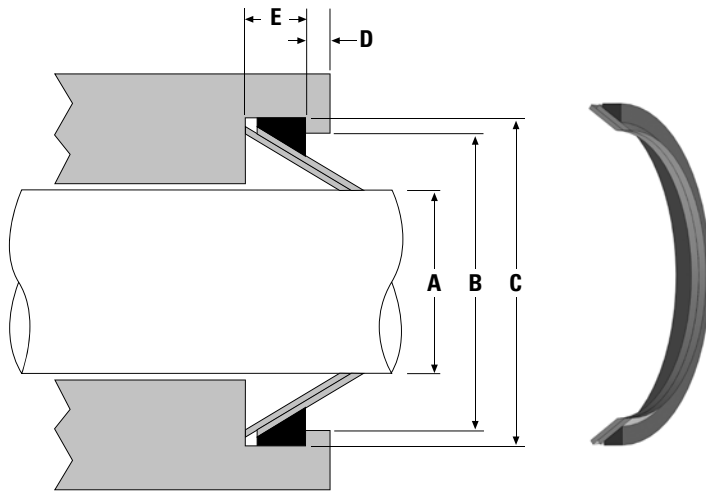
SG - "SEAL GUARD" METALLIC ROD WIPERS

9

WIPERS

[SEAL INFORMATION]

SG



MATERIAL

660 BRONZE
70A NITRILE

TEMPERATURE RANGE

-40° TO +240° F

PART NUMBER

(Prefix) - (Size)

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. While particularly suited for hostile environments, seal guard wipers shave off sand, grit, 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 HydraPak Seals "DT" or "D" style grooves by increasing the "B" gland dimensions to the "B" diameter shown.

PART NUMBER	A ROD DIAMETER	B THROAT DIAMETER	C GROOVE DIAMETER	D OUTER THROAT DEPTH	E GROOVE WIDTH	LIST PRICE
SG-0.500	0.500	0.714	0.750	.018	.125	\$ 16.48
SG-0.750	0.750	1.082	1.125	.022	.188	16.80
SG-0.875	0.875	1.207	1.250	.022	.188	17.49
SG-1.000	1.000	1.332	1.375	.022	.188	18.36
SG-1.125	1.125	1.457	1.500	.022	.188	20.64
SG-1.250	1.250	1.582	1.625	.022	.188	22.90
SG-1.375	1.375	1.707	1.750	.022	.188	25.18
SG-1.500	1.500	1.832	1.875	.022	.188	27.51
SG-1.750	1.750	2.082	2.125	.022	.188	32.03
SG-2.000	2.000	2.440	2.500	.030	.250	37.35
SG-2.250	2.250	2.690	2.750	.030	.250	41.84
SG-2.500	2.500	2.940	3.000	.030	.250	46.48
SG-3.000	3.000	3.440	3.500	.030	.250	56.25
SG-3.500	3.500	3.940	4.000	.030	.250	93.76

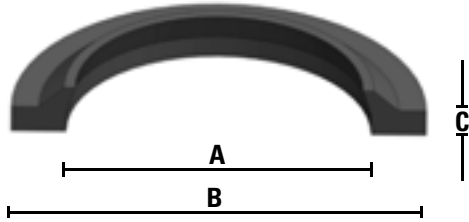


INCH



[SEAL INFORMATION]

959 (AN)



SUFFIXES:

S = Slotted heel

V = Fluorocarbon

MATERIAL

95A URETHANE, FKM, NBR

TEMPERATURE RANGE

-65° TO +220° F

PART NUMBER

(Prefix) - (Rod Dia.) (Suffix)

959 wipers are light-duty, snap-in rings that retrofit into glands called out by MS-33675 for corresponding MS-28776 dash numbers. Normally made from polyurethane, they are available in other materials upon request.

PART NUMBER	AN DASH#	A ROD DIA.	B GROOVE I.D.	C - BASE THICKNESS	LIST PRICE	PART NUMBER	AN DASH#	A ROD DIA.	B GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
959-0.50S	-01	1/2	.760	.104	\$ 1.01	959-2.06	-21.5	2-1/16	2.373	.104	\$ 2.13
959-0.56	-02	9/16	.823	.104	1.01	959-2.12S	-22	2-1/8	2.472	.104	1.86
959-0.62S	-03	5/8	.885	.104	1.01	959-2.25S	-23	2-1/4	2.552	.104	1.94
959-0.68	-04	11/16	.948	.104	1.01	959-2.25V	-23	2-1/4	2.552	.104	16.82
959-0.75S	-05	3/4	1.010	.104	1.01	959-2.31S	-23.5	2-5/16	2.623	.104	2.29
959-0.75V	-05	3/4	1.010	.104	8.74	959-2.37S	-24	2-3/8	2.677	.104	2.02
959-0.81S	-06	13/16	1.084	.104	1.06	959-2.37V	-24	2-3/8	2.677	.104	17.44
959-0.87S	-07	7/8	1.147	.104	1.06	959-2.43	-24.5	2-7/16	2.748	.104	2.45
959-0.93S	-08	15/16	1.209	.104	1.06	959-2.50S	-25	2-1/2	2.802	.104	1.76
959-1.00S	-09	1	1.272	.104	1.06	959-2.50V	-25	2-1/2	2.802	.104	14.02
959-1.00V	-09	1	1.272	.104	14.01	959-2.56	-25.5	2-9/16	2.873	.104	2.61
959-1.06	-10	1-1/16	1.334	.104	1.06	959-2.62S	-26	2-5/8	2.989	.119	2.28
959-1.12S	-11	1-1/8	1.397	.104	1.13	959-2.75S	-27	2-3/4	3.114	.119	2.26
959-1.18	-12	1-3/16	1.459	.104	1.13	959-2.75V	-27	2-3/4	3.114	.119	19.57
959-1.25S	-13	1-1/4	1.522	.104	1.18	959-2.87S	-28	2-7/8	3.239	.119	2.74
959-1.25V	-13	1-1/4	1.522	.104	10.10	959-3.00S	-29	3	3.364	.119	2.74
959-1.31S	-14	1-5/16	1.614	.104	1.18	959-3.00V	-29	3	3.364	.119	22.56
959-1.37S	-15	1-3/8	1.677	.104	1.54	959-3.12	-30	3-1/8	3.489	.119	2.74
959-1.37-V	-15	1-3/8	1.677	.104	14.95	959-3.25S	-31	3-1/4	3.614	.119	3.58
959-1.43S	-16	1-7/16	1.739	.104	1.68	959-3.37	-32	3-3/8	3.729	.119	3.22
959-1.50S	-17	1-1/2	1.802	.104	1.71	959-3.50S	-33	3-1/2	3.864	.119	3.27
959-1.50V	-17	1-1/2	1.802	.104	12.35	959-3.50V	-33	3-1/2	3.864	.119	27.13
959-1.56	-17.5	1-9/16	1.872	.104	1.71	959-3.62	-34	3-5/8	3.989	.119	3.33
959-1.62S	-18	1-5/8	1.927	.104	1.81	959-3.75S	-35	3-3/4	4.114	.119	3.48
959-1.75S	-19	1-3/4	2.052	.104	1.81	959-3.87	-36	3-7/8	4.239	.119	3.55
959-1.75V	-19	1-3/4	2.052	.104	14.32	959-4.00S	-37	4	4.427	.135	3.63
959-1.81	-19.5	1-13/16	2.122	.104	2.09	959-4.00V	-37	4	4.427	.135	31.95
959-1.87S	-20	1-7/8	2.177	.104	1.82	959-4.12	-38	4-1/8	4.552	.135	3.74
959-2.00S	-21	2	2.302	.104	1.82	959-4.25S	-39	4-1/4	4.677	.135	3.85
959-2.00V	-21	2	2.302	.104	15.55	959-4.37	-40	4-3/8	4.802	.135	3.92

959 (AN) WIPER RINGS

11

WIPERS

PART NUMBER	AN DASH#	A ROD DIA.	B GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
959-4.50S	-41	4-1/2	4.927	.135	\$ 3.96
959-4.50V	-41	4-1/2	4.927	.135	48.10
959-4.62S	-42	4-5/8	5.052	.135	4.01
959-4.75	-43	4-3/4	5.177	.135	4.10
959-4.87	-44	4-7/8	5.302	.135	4.19
959-5.00S	-45	5	5.427	.135	4.88
959-5.12S	-46	5-1/8	5.552	.135	4.92
959-5.25	-47	5-1/4	5.677	.135	4.92
959-5.37	-48	5-3/8	5.802	.135	4.96
959-5.50S	-49	5-1/2	5.927	.135	5.08
959-5.62S	-50	5-5/8	6.114	.151	5.59
959-5.75	-51	5-3/4	6.239	.151	5.89
959-5.87	-52	5-7/8	6.364	.151	6.00
959-6.00S	-53	6	6.489	.151	6.19
959-6.25S	-54	6-1/4	6.739	.151	6.41
959-6.50	-55	6-1/2	6.989	.151	6.52

PART NUMBER	AN DASH#	A ROD DIA.	B GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
959-6.75S	-56	6-3/4	7.239	.151	\$ 6.64
959-7.00S	-57	7	7.489	.151	6.84
959-7.25S	-58	7-1/4	7.739	.151	7.81
959-7.50S	-59	7-1/2	7.989	.151	9.43
959-7.75	-60	7-3/4	8.239	.151	10.01
959-8.00S	-61	8	8.489	.151	10.44
959-8.25S	-61.5	8-1/4	8.793	.151	12.74
959-8.50	-62	8-1/2	8.989	.151	10.75
959-8.75	-62.5	8-3/4	9.254	.151	13.48
959-9.00S	-63	9	9.489	.151	11.28
959-9.50S	-64	9-1/2	9.989	.151	11.45
959-10.00S	-65	10	10.489	.151	11.69
959-10.50S	-66	10-1/2	10.989	.151	13.27
959-11.00	-67	11	11.489	.151	15.03
959-11.50	-68	11-1/2	11.989	.169	18.37
959-12.00	-69	12	12.491	.169	56.82

BUNA-N WIPER CORD



K WIPER



D WIPER

PART NUMBER	DESCRIPTION	LIST PRICE
7580C 3/16"	K Style 3/16" Cross Section	\$ 2.06
7580C 1/4"	K Style 1/4" Cross Section	2.25
7581C 3/16"	D Style 3/16" Cross Section	1.57

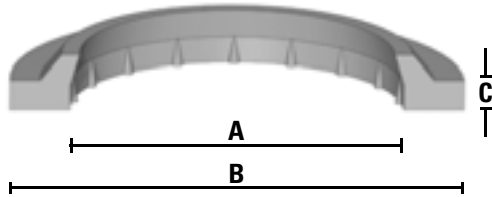


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[SEAL INFORMATION]

959 (AN)-P55

**MATERIAL**

55D POLYESTER

TEMPERATURE RANGE

-40° TO +250° F

PART NUMBER

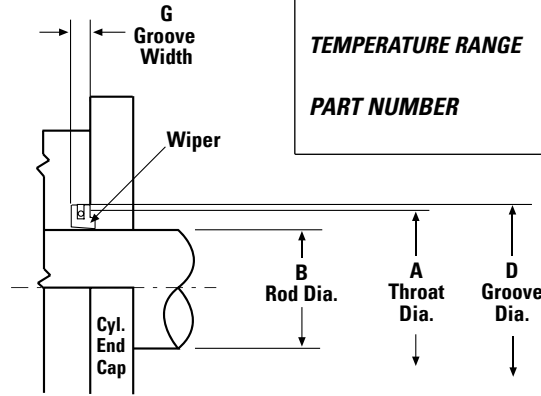
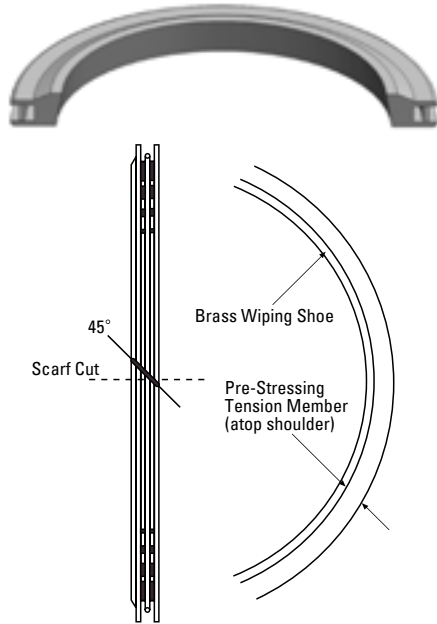
(Prefix) - (Rod Dia.) (Material)

959 polyester wipers are similar to the standard urethane 959 wipers in that they are also light duty and fit the same MS-33675 glands. However this 55 Shore D material has better tensile strength for increased durability, higher temperature range and better exclusion capability.

PART NUMBER	AN DASH#	A ROD DIA.	B GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
959-0.50-P55	-01	1/2	.766	.104	\$ 1.81
959-0.62-P55	-03	5/8	.885	.104	1.89
959-0.75-P55	-05	3/4	1.016	.104	1.92
959-0.87-P55	-07	7/8	1.147	.104	2.08
959-1.00-P55	-09	1	1.278	.104	2.24
959-1.12-P55	-011	1-1/8	1.403	.104	2.53
959-1.18-P55	-12	1-3/16	1.465	.104	2.81
959-1.25-P55	-13	1-1/4	1.528	.104	2.57
959-1.37-P55	-15	1-3/8	1.685	.104	2.66
959-1.50-P55	-17	1-1/2	1.810	.104	2.94
959-1.62-P55	-18	1-5/8	1.935	.104	3.22
959-1.75-P55	-19	1-3/4	2.060	.104	3.50
959-2.00-P55	-21	2	2.310	.104	3.99
959-2.25-P55	-23	2-1/4	2.560	.104	3.24
959-2.37-P55	-24	2-3/8	2.685	.104	3.52
959-2.50-P55	-25	2-1/2	2.810	.104	4.74
959-3.00-P55	-29	3	3.374	.119	5.67
959-3.50-P55	-33	3-1/2	3.874	.119	6.54
959-4.00-P55	-37	4	4.439	.135	7.42
959-4.50-P55	-41	4-1/2	4.939	.135	8.82
959-5.50-P55	-49	5-1/2	5.939	.135	10.17
959-6.00-P55	-53	6	6.504	.151	11.39
959-6.50-P55	-55	6-1/2	7.004	.151	13.13

[SEAL INFORMATION]

959 BRASS



MATERIAL	62% COPPER / 35% ZINC
TEMPERATURE RANGE	-65° TO +500° F
PART NUMBER	(Prefix) - (Rod Dia.) (Material)

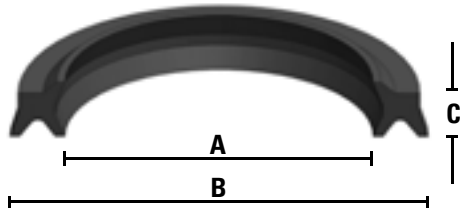
Spring Tensioned 959 (AN) Brass wipers ensure the maximum removal of any foreign matter found in almost any environment. Made from malleable brass with a patented spring to maintain the necessary tension against the groove, they can be used over a wide range of temperatures. Conforming to Military Specification MS28776M2, these wipers are especially effective in long-term prevention of rod scoring, abrasion, and contamination of the seals/packing.

PART NUMBER	AN DASH#	A THROAT DIAMETER	B ROD DIAMETER	D GROOVE I.D.	G GROOVE WIDTH	LIST PRICE
GROOVE TOLERANCE		-0.000	-0.002	-0.000	-0.000	
959-0.62BRS	-3	0.772	0.624	0.885	.104	\$ 15.78
959-0.75BRS	-5	0.897	0.748	1.010	.104	15.84
959-1.00BRS	-9	1.136	0.998	1.272	.104	17.34
959-1.25BRS	-13	1.386	1.248	1.522	.104	19.37
959-1.37BRS	-15	1.542	1.373	1.677	.104	22.55
959-1.50-BRS	-17	1.668	1.498	1.802	.104	23.40
959-1.75-BRS	-19	1.918	1.748	2.052	.104	25.50
959-2.00-BRS	-21	2.178	1.998	2.302	.104	27.62
959-2.25-BRS	-23	2.428	2.248	2.552	.104	29.76
959-2.50-BRS	-25	2.678	2.498	2.802	.104	31.91
959-2.75-BRS	-27	2.959	2.748	3.114	.119	33.99
959-3.00-BRS	-29	3.209	2.997	3.364	.119	36.14
959-3.50-BRS	-33	3.709	3.497	3.864	.119	40.37
959-4.00-BRS	-37	4.240	3.997	4.427	.135	44.63
959-4.50-BRS	-41	4.470	4.497	4.927	.135	49.45
959-5.00-BRS	-45	5.240	4.997	5.427	.135	55.89
959-5.50-BRS	-49	5.740	5.497	5.927	.135	62.34
959-5.75-BRS	-51	6.022	5.747	6.239	.151	80.28
959-6.00-BRS	-53	6.272	5.997	6.489	.151	68.79
959-7.00-BRS	-57	7.272	6.997	7.489	.151	75.23
959-8.00-BRS	-61	8.272	7.997	8.489	.151	81.67



[SEAL INFORMATION]

H



Note:
N = Nitrile
V = Fluorocarbon

MATERIAL

90A FLUOROCARBON
 90A URETHANE
 90A NITRILE

TEMPERATURE RANGE

-65° TO +220° F
 N: -40° TO +225° F
 V: -20° TO +350° F
 HT: -65° TO +250° F

PART NUMBER

(Prefix) - (220) (Rod Dia.) - (Material)

Light-duty, snap-in rings for rod applications, H wipers have a secondary lip designed to prevent even minimal leakage past the primary rod seal. In addition to the materials listed below, we offer a 90A high temperature (HT) urethane good up to 220 degrees F. Please call for pricing and availability.

PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
H-0250	1/4	.552	.194	\$ 2.87
H-0312	5/16	.615	.194	2.56
H-0375	3/8	.677	.194	2.61
H-0500	1/2	.802	.194	2.69
H-0500-N	1/2	.802	.194	2.54
H-0500-V	1/2	.802	.194	9.37
H-0625	5/8	.927	.194	3.04
H-0625-N	5/8	.927	.194	3.04
H-0625-V	5/8	.927	.194	10.34
H-0750	3/4	1.052	.194	3.04
H-0750-N	3/4	1.052	.194	3.04
H-0750-V	3/4	1.052	.194	9.08
H-0875	7/8	1.240	.212	3.09
H-0875-N	7/8	1.240	.212	3.09
H-0937	15/16	1.302	.212	3.28
H-1000	1	1.365	.212	3.16
H-1000-N	1	1.365	.212	3.16
H-1000-V	1	1.365	.212	11.12
H-1125	1-1/8	1.490	.212	3.25
H-1250	1-1/4	1.615	.212	3.47
H-1250-N	1-1/4	1.615	.212	3.47
H-1375	1-3/8	1.740	.212	3.80
H-1375-N	1-3/8	1.740	.212	3.80
H-1375-V	1-3/8	1.740	.212	20.31
H-1500	1-1/2	1.865	.212	4.01
H-1500-N	1-1/2	1.865	.212	4.01
H-1625	1-5/8	1.990	.212	4.09
H-1750	1-3/4	2.115	.212	4.24
H-1750-N	1-3/4	2.115	.212	4.24

PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
H-1750-V	1-3/4	2.115	.212	\$ 30.36
H-1875	1-7/8	2.240	.212	3.28
H-1875-N	1-7/8	2.240	.212	3.68
H-2000	2	2.365	.212	4.89
H-2000-N	2	2.365	.212	4.89
H-2000-V	2	2.365	.212	15.70
H-2125	2-1/8	2.490	.212	5.06
H-2250	2-1/4	2.745	.275	5.16
H-2375	2-3/8	2.870	.275	5.16
H-2375-N	2-3/8	2.870	.275	4.62
H-2500	2-1/2	2.995	.275	5.47
H-2500-N	2-1/2	2.995	.275	4.29
H-2500-V	2-1/2	2.995	.275	17.38
H-2625	2-5/8	3.120	.275	5.77
H-2750	2-3/4	3.245	.275	6.21
H-3000	3	3.495	.275	6.97
H-3000-N	3	3.495	.275	6.97
H-3000-V	3	3.495	.275	22.06
H-3250	3-1/4	3.745	.275	7.86
H-3500	3-1/2	3.995	.275	8.74
H-3500-N	3-1/2	3.995	.275	8.33
H-3500-V	3-1/2	3.995	.275	27.81
H-3750	3-3/4	4.245	.275	8.86
H-4000	4	4.495	.275	9.10
H-4000-N	4	4.495	.275	9.12
H-4000-V	4	4.495	.275	30.72
H-4250	4-1/4	4.745	.275	9.32
H-4437	4-7/16	4.932	.275	9.45
H-4500	4-1/2	4.995	.275	10.14

H WIPER RINGS

15

WIPERS

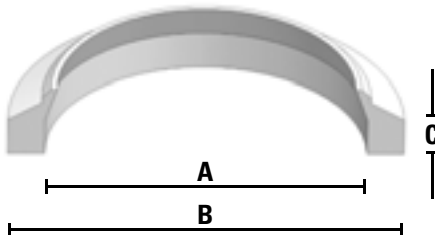
PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
H-4500-N	4-1/2	4.995	.275	\$ 7.37
H-4500-V	4-1/2	4.995	.275	31.59
H-4750	4-3/4	5.245	.275	24.03
H-5000	5	5.495	.275	11.99
H-5000-N	5	5.495	.275	9.66
H-5000-V	5	5.495	.275	33.35
H-5250	5-1/4	5.745	.275	24.63
H-5500	5-1/2	5.995	.275	16.65

PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
H-5500-N	5-1/2	5.995	.275	\$ 10.09
H-5500-V	5-1/2	5.995	.275	36.54
H-6000	6	6.495	.275	15.87
H-6000-N	6	6.495	.275	10.25
H-6000-V	6	6.495	.275	39.71
H-7000	7	7.495	.275	21.53
H-8000	8	8.495	.275	37.63
H-10000	10	10.495	.275	67.57

BT URETHANE WIPER RINGS

[SEAL INFORMATION]

BT



MATERIAL

90A URETHANE

TEMPERATURE RANGE

-65° TO +220° F

PART NUMBER

(Prefix) - (Size)

PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
BT-01050	5/8	7/8	5/32	\$ 2.10
BT-01260	3/4	1-1/8	3/16	2.10
BT-01460	7/8	1-1/4	3/16	2.10
BT-10060	1	1-3/8	3/16	2.32
BT-10260	1-1/8	1-1/2	3/16	2.35
BT-10460	1-1/4	1-5/8	3/16	2.35
BT-10660	1-3/8	1-3/4	3/16	2.37
BT-10860	1-1/2	1-7/8	3/16	2.43
BT-11260	1-3/4	2-1/8	3/16	2.52
BT-11580	1-15/16	2-7/16	1/4	2.59
BT-20060	2	2-3/8	3/16	2.67
BT-20460	2-1/4	2-5/8	3/16	2.93
BT-20791	2-7/16	3	.284	3.06
BT-20860	2-1/2	2-7/8	3/16	3.21
BT-20880	2-1/2	3	1/4	3.40
BT-21080	2-5/8	3-1/8	1/4	3.52
BT-21260	2-3/4	3-1/8	3/16	3.59
BT-21280	2-3/4	3-1/4	1/4	3.69

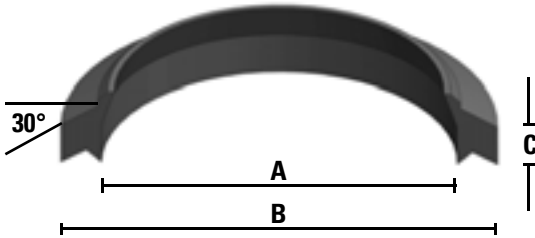
PART NUMBER	A - ROD DIAMETER	B - GROOVE I.D.	C - BASE THICKNESS	LIST PRICE
BT-30060	3	3-3/8	3/16	\$ 3.95
BT-30080	3	3-1/2	1/4	4.17
BT-30090	2.950	3-1/2	.275	4.31
BT-30391	3.165	3.734	.284	4.49
BT-30480	3-1/4	3-3/4	1/4	4.57
BT-30860	3-1/2	3-7/8	3/16	4.62
BT-30880	3-1/2	4	1/4	4.62
BT-30890	3.450	4	.275	4.73
BT-31080	3-5/8	4-1/8	1/4	4.88
BT-31280	3-3/4	4-1/4	1/4	5.73
BT-40080	4	4-1/2	1/4	5.04
BT-40480	4-1/4	4-3/4	1/4	5.57
BT-40880	4-1/2	5	1/4	5.84
BT-41280	4-3/4	5-1/4	1/4	6.12
BT-41591	4-15/16	5-31/64	.284	6.31
BT-50080	5	5-1/2	1/4	6.71
BT-50880	5-1/2	6	1/4	11.12
BT-60080	6	6-1/2	1/4	8.57

INCH



[SEAL INFORMATION]

K



MATERIAL 90A URETHANE / NITRILE

TEMPERATURE RANGE -65° TO +220° F

PART NUMBER (Prefix) (Size) - (Material)

N=Nitrile

Designed for wider grooves than "H" style rings, K wipers have a similar secondary lip that provides more protection against leakage past the primary rod seal.

PART NUMBER	A - ROD DIAMETER	B - BASE O.D.	C - BASE THICKNESS	LIST PRICE
K-0500	1/2	3/4	.156	\$ 3.74
K-0625	5/8	7/8	.156	3.74
K-0750	3/4	1-1/8	.190	3.74
K-0875	7/8	1-1/4	.190	3.80
K-1000	1	1-3/8	.190	3.87
K-1125	1-1/8	1-1/2	.190	4.02
K-1250	1-1/4	1-5/8	.190	4.25
K-1250N	1-1/4	1-5/8	.190	5.28
K-1375	1-3/8	1-3/4	.190	4.68
K-1500	1-1/2	1-7/8	.190	4.94
K-1625	1-5/8	2	.190	5.04
K-1750	1-3/4	2-1/8	.190	5.24
K-2000	2	2-3/8	.190	6.04
K-2125	2-1/8	2-1/2	.190	8.10
K-2250	2-1/4	2-3/4	.250	6.35
K-2250-187	2-1/4	2-5/8	.190	6.30
K-2450N	2.450	3	.281	5.42
K-2500	2-1/2	3	.250	6.68
K-2500N	2-1/2	3	.250	7.34
K-2500-187	2-1/2	2-7/8	.190	7.51
K-2625	2-5/8	3-1/8	.250	7.24
K-2750	2-3/4	3-1/4	.250	7.64
K-2750-187	2-3/4	3-1/8	.190	7.97
K-3000	3	3-1/2	.250	8.58
K-3000N	3	3-1/2	.250	9.53
K-3000-187	3	3-3/8	.190	8.28

PART NUMBER	A - ROD DIAMETER	B - BASE O.D.	C - BASE THICKNESS	LIST PRICE
K-3125N	3-1/8	3-5/8	.250	\$ 9.23
K-3250	3-1/4	3-3/4	.250	9.23
K-3375	3-3/8	3-7/8	.250	10.17
K-3450N	3.450	4	.243	10.35
K-3500	3-1/2	4	.250	10.17
K-3500-187	3-1/2	3-7/8	.190	12.50
K-3750	3-3/4	4-1/4	.250	11.00
K-3750-187	3-3/4	4-1/8	.190	14.88
K-3950N	3.95	4.45	.250	12.93
K-4000	4	4-1/2	.250	13.28
K-4060	4-1/16	4-9/16	.250	13.92
K-4500	4-1/2	5	.250	15.45
K-4500N	4-1/2	5	.250	13.56
K-4750	4-3/4	5-1/4	.255	16.41
K-4875	4-7/8	5-3/8	.250	15.61
K-5000	5	5-1/2	.250	17.31
K-5250N	5-1/4	5-3/4	.250	10.45
K-5375	5-3/8	5-7/8	.250	19.66
K-6000	6	6-1/2	.250	19.37
K-7000	7	7-1/2	.250	20.97
K-8000	8	8-1/2	.255	46.06
K-8000N	8	8-1/2	.255	46.06
K-8125	8-1/8	8.63	.255	39.82
K-9125	9-1/8	9.63	.255	69.36
K-9375	9-3/8	9.89	.255	73.86



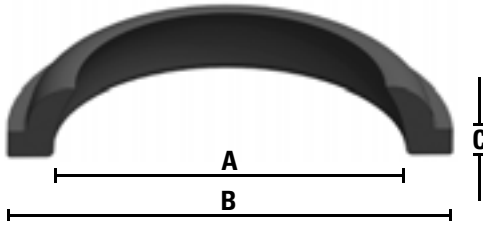
WC WIPER RINGS

17

WIPERS

[SEAL INFORMATION]

WC



MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
PART NUMBER	(Prefix) (Size)

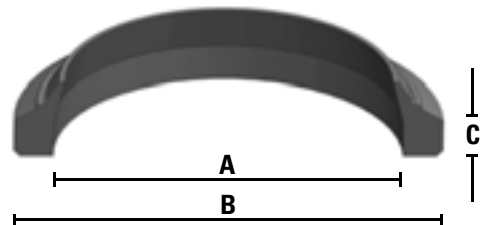
PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WC-62	5/8	1.020	1/8	\$ 3.38
WC-75	3/4	1.150	1/8	2.91
WC-87	7/8	1.275	1/8	2.91
WC-100	1	1-3/8	1/8	6.64
WC-100A	1	1.400	1/8	2.91
WC-112	1-1/8	1-5/8	1/8	3.38
WC-125	1-1/4	1-3/4	1/8	3.38
WC-137	1-3/8	1-7/8	1/8	4.19
WC-150	1-1/2	2	1/8	3.38
WC-162	1-5/8	2-1/8	1/8	4.66
WC-175	1-3/4	2-1/4	1/8	3.48
WC-187	1-7/8	2-3/8	1/8	5.01
WC-200	2	2-1/2	1/8	3.48

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WC-225	2-1/4	2-3/4	1/8	\$ 4.31
WC-237	2-3/8	2-7/8	1/8	5.01
WC-250	2-1/2	3	1/8	3.96
WC-275	2-3/4	3-1/4	1/8	4.66
WC-300	3	3-1/2	1/8	4.76
WC-325	3-1/4	4	3/16	8.96
WC-337	3-3/8	4-1/8	3/16	12.82
WC-350	3-1/2	4-1/4	3/16	8.73
WC-400	4	4-3/4	3/16	9.55
WC-425	4-1/4	5	3/16	14.92
WC-450	4-1/2	5-1/4	3/16	10.01
WC-500	5	5-3/4	3/16	15.15

WN WIPERS

[SEAL INFORMATION]

WN



MATERIAL	BUNA-N
TEMPERATURE RANGE	-22° TO +212° F
PART NUMBER	(Prefix) (Size)

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WN-100	1	1-1/2	0.208	\$ 3.45
WN-112	1-1/8	1-5/8	0.208	3.65
WN-125	1-1/4	1-3/4	0.208	2.88
WN-150	1-1/2	2	0.208	3.55
WN-175	1-3/4	2-1/4	0.208	3.55
WN-175A	1-3/4	2-1/8	0.208	4.67
WN-187	1-7/8	2-3/8	0.208	4.45
WN-200	2	2-1/2	0.208	3.66
WN-212	2-1/8	2-5/8	0.208	5.34

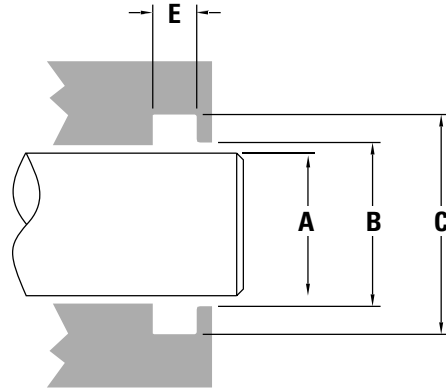
PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WN-225	2-1/4	2-3/4	0.208	\$ 4.78
WN-250	2-1/2	3	0.208	4.88
WN-275	2-3/4	3-1/4	0.208	4.45
WN-300	3	3-1/2	0.208	5.22
WN-325	3-1/4	3-3/4	0.208	9.23
WN-337	3-3/8	3-7/8	0.208	5.90
WN-350	3-1/2	4	0.208	6.78
WN-362	3-5/8	4-1/8	0.208	7.34
WN-400	4	4-1/2	0.208	8.79

INCH



[SEAL INFORMATION]

WB



MATERIAL

BUNA-N

TEMPERATURE RANGE

-22° TO +212° F

PART NUMBER

(Prefix) (Size)

PART NUMBER	A ROD DIAMETER	B THROAT DIAMETER +.005/-0	C GROOVE DIAMETER +0/-0.005	E GROOVE WIDTH ±0.010	LIST PRICE
WB-62	5/8	0.700	0.820	0.140	\$ 2.79
WB-75	3/4	0.820	0.950	0.140	4.37
WB-87	7/8	1.080	1.080	0.150	3.38
WB-100	1	1.080	1.240	0.160	2.81
WB-112	1-1/8	1.210	1.375	0.160	2.91
WB-125	1-1/4	1.330	1.490	0.170	3.38
WB-137	1-3/8	1.460	1.625	0.170	3.38
WB-150	1-1/2	1.590	1.770	0.180	3.12
WB-175	1-3/4	1.850	2.030	0.190	3.38
WB-187	1-7/8	1.970	2.160	0.190	4.66
WB-200	2	2.100	2.300	0.200	4.19
WB-212	2-1/8	2.230	2.430	0.210	4.66
WB-225	2-1/4	2.370	2.570	0.210	3.96
WB-237	2-3/8	2.490	2.700	0.220	4.77
WB-250	2-1/2	2.610	2.840	0.220	4.06
WB-262	2-5/8	2.740	2.970	0.230	4.66
WB-275	2-3/4	2.870	3.110	0.230	4.19
WB-287	2-7/8	3.000	3.240	0.240	5.01
WB-300	3	3.130	3.380	0.240	4.19
WB-312	3-1/8	3.260	3.500	0.250	4.54
WB-350	3-1/2	3.640	3.920	0.270	5.11
WB-362	3-5/8	3.770	4.050	0.270	6.40
WB-375	3-3/4	3.900	4.190	0.280	5.24



CASCADE WIPERS

19

WIPERS

[SEAL INFORMATION]

CAS



MATERIAL	URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PART NUMBER	(Prefix) (Size)

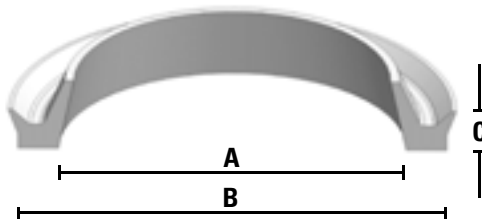
PART NUMBER	ROD DIAMETER INCHES	LIST PRICE
CAS-605609	2.700	\$ 13.79
CAS-605648	2.825	14.74
CAS-605611	3.200	15.91

PART NUMBER	ROD DIAMETER INCHES	LIST PRICE
CAS-605613	3.700	\$ 31.39
CAS-605620	5.450	37.61

WNY SNAP-IN WIPER RINGS

[SEAL INFORMATION]

WNY



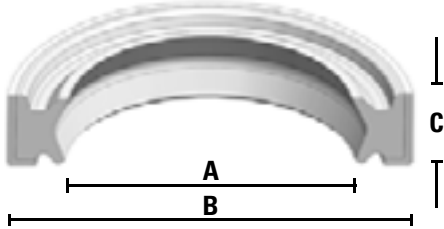
MATERIAL	NYLON
TEMPERATURE RANGE	-40° TO +212° F
PART NUMBER	(Prefix) - (Size)

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WNY-62	5/8	1	0.230	\$ 3.79
WNY-75	3/4	1-1/4	0.230	2.97
WNY-87	7/8	1-3/8	0.230	3.29
WNY-100	1	1-1/2	0.230	3.79
WNY-112	1-1/8	1-5/8	0.230	3.39
WNY-125	1-1/4	1-3/4	0.230	4.13
WNY-137	1-3/8	1-7/8	0.230	4.57
WNY-150	1-1/2	2	0.230	4.94
WNY-162	1-5/8	2-1/8	0.237	4.47

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
WNY-175	1-3/4	2-1/4	0.237	\$ 4.23
WNY-200	2	2-1/2	0.237	4.68
WNY-225	2-1/4	2-3/4	0.237	6.86
WNY-250	2-1/2	3	0.237	6.17
WNY-275	2-3/4	3-1/4	0.237	8.23
WNY-300	3	3-1/2	0.237	7.09
WNY-325	3-1/4	3-3/4	0.237	9.60
WNY-350	3-1/2	4	0.237	9.16
WNY-400	4	4-1/2	0.237	10.76

INCH



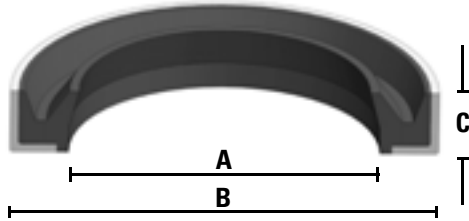
**[SEAL INFORMATION]****MCW-HD****MATERIAL** 92A URETHANE**TEMPERATURE RANGE** -65° TO +220° F**PART NUMBER** (Prefix) - (Size)

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
MCW15002250-433-HD	1-1/2	2-1/4	.433	\$ 23.88
MCW17502437-433-HD	1-3/4	2-7/16	.433	24.33
MCW20002687-433-HD	2	2-11/16	.433	25.49
MCW21252875-433-HD	2-1/8	2-7/8	.433	24.32
MCW22503000-433-HD	2-1/4	3	.433	26.57
MCW23753125-433-HD	2-3/8	3-1/8	.433	25.91
MCW25003250-433-HD	2-1/2	3-1/4	.415	28.61
MCW27503750-555-HD	2-3/4	3-3/4	.555	30.32
MCW30004000-555-HD	3	4	.555	31.30
MCW32504250-555-HD	3-1/4	4-1/4	.555	32.21
MCW35004500-555-HD	3-1/2	4-1/2	.555	33.00
MCW37504750-555-HD	3-3/4	4-3/4	.555	33.57
MCW40005000-555-HD	4	5	.555	33.80
MCW50006000-555-HD	5	6	.555	56.97
MCW55006500-555-HD	5-1/2	6-1/2	.555	56.87
MCW57506750-555-HD	5-3/4	6-3/4	.555	74.44
MCW67507750-555-HD	6-3/4	7-3/4	.555	69.84
MCW70008000-555-HD	7	8	.555	70.38
MCW80009000-555-HD	8	9	.555	121.44



[SEAL INFORMATION]

MCW

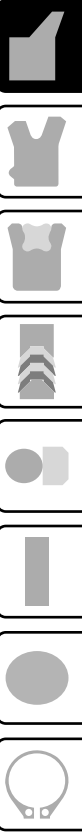


MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PART NUMBER	(Prefix) - (I.D.) (O.D. - HT)

Note: Call for sizes not listed.

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 NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE	PART NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE
MCW06251125-312	5/8	1-1/8	5/16	\$ 6.00	MCW22502750-312	2-1/4	2-3/4	5/16	\$ 13.27
MCW07501250-312	3/4	1-1/4	5/16	6.32	MCW22503000-250	2-1/4	3	1/4	14.14
MCW08751375-312	7/8	1-3/8	5/16	6.50	MCW22503000-375	2-1/4	3	3/8	13.88
MCW10001500-312	1	1-1/2	5/16	8.35	MCW23752875-312	2-3/8	2-7/8	5/16	11.38
MCW11251625-312	1-1/8	1-5/8	5/16	8.98	MCW23753125-375	2-3/8	3-1/8	3/8	11.45
MCW12501750-250	1-1/4	1-3/4	1/4	12.51	MCW25003000-187	2-1/2	3	3/16	13.50
MCW12501750-312	1-1/4	1-3/4	5/16	10.82	MCW25003000-312	2-1/2	3	5/16	15.02
MCW13751875-312	1-3/8	1-7/8	5/16	10.97	MCW25003125-250	2-1/2	3-1/8	1/4	18.11
MCW15001875-250	1-1/2	1-7/8	1/4	10.98	MCW25003250-250	2-1/2	3-1/4	1/4	11.94
MCW15002000-250	1-1/2	2	1/4	11.35	MCW25003250-375	2-1/2	3-1/4	3/8	15.23
MCW15002000-312	1-1/2	2	5/16	11.04	MCW26253125-187	2-5/8	3-1/8	3/16	16.41
MCW15002250-375	1-1/2	2-1/4	3/8	11.52	MCW26253125-250	2-5/8	3-1/8	1/4	15.29
MCW16252125-250	1-5/8	2-1/8	1/4	12.02	MCW26253125-312	2-5/8	3-1/8	5/16	15.16
MCW16252125-312	1-5/8	2-1/8	5/16	11.69	MCW27503250-312	2-3/4	3-1/4	5/16	17.02
MCW17502250-250	1-3/4	2-1/4	1/4	11.96	MCW27503500-250	2-3/4	3-1/2	1/4	14.43
MCW17502250-312	1-3/4	2-1/4	5/16	11.96	MCW27503500-500	2-3/4	3-1/2	1/2	22.30
MCW17502437-375	1-3/4	2-7/16	3/8	12.15	MCW27503750-500	2-3/4	3-3/4	1/2	18.52
MCW17502500-375	1-3/4	2-1/2	3/8	13.05	MCW30003500-312	3	3-1/2	5/16	17.49
MCW18752375-312	1-7/8	2-3/8	5/16	12.22	MCW30003750-250	3	3-3/4	1/4	17.49
MCW18752562-375	1-7/8	2-9/16	3/8	11.68	MCW30003750-375	3	3-3/4	3/8	28.94
MCW20002375-250	2	2-3/8	1/4	12.76	MCW30004000-500	3	4	1/2	20.30
MCW20002500-250	2	2-1/2	1/4	13.78	MCW31253750-375	3-1/8	3-3/4	3/8	15.59
MCW20002500-312	2	2-1/2	5/16	12.40	MCW32503750-312	3-1/4	3-3/4	5/16	16.91
MCW20002625-250	2	2-5/8	1/4	14.63	MCW32503875-312	3-1/4	3-7/8	5/16	16.91
MCW20002687-375	2	2-11/16	3/8	15.64	MCW32504250-500	3-1/4	4-1/4	1/2	20.72
MCW20002750-375	2	2-3/4	3/8	16.39	MCW33754000-312	3-3/4	4	5/16	13.50
MCW21252625-312	2-1/8	2-5/8	5/16	13.38	MCW35004000-250	3-1/2	4	1/4	24.26
MCW21252875-375	2-1/8	2-7/8	3/8	9.09	MCW35004000-312	3-1/2	4	5/16	17.00
MCW21872687-375	2-3/16	2-11/16	3/8	16.28	MCW35004125-312	3-1/2	4-1/8	5/16	23.32
MCW22502750-250	2-1/4	2-3/4	1/4	13.27	MCW35004250-250	3-1/2	4-1/4	1/4	23.76



MCW HEAVY DUTY METAL CLAD WIPER RINGS

WIPERS

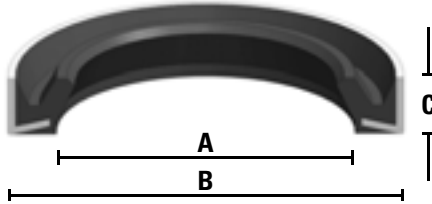
PART NUMBER	A ROD DIA.	B WIPER O.D	C BASE HEIGHT	LIST PRICE	PART NUMBER	A ROD DIA.	B WIPER O.D	C BASE HEIGHT	LIST PRICE
MCW35004500-500	3-1/2	4-1/2	1/2	\$ 24.16	MCW55006125-375	5-1/2	6-1/8	3/8	\$ 50.29
MCW37504250-312	3-3/4	4-1/4	5/16	27.82	MCW55006250-312	5-1/2	6-1/4	5/16	52.54
MCW37504375-312	3-3/4	4-3/8	5/16	28.06	MCW57506375-375	5-3/4	6-3/8	3/8	55.33
MCW37504500-312	3-3/4	4-1/22	5/16	22.03	MCW57506750-500	5-3/4	6-3/4	1/2	47.79
MCW37504750-500	3-3/4	4-3/4	1/2	20.64	MCW60006625-375	6	6-5/8	3/8	52.70
MCW40004625-312	4	4-5/8	5/16	32.85	MCW60006750-375	6	6-3/4	3/8	58.04
MCW40004750-312	4	4-3/4	5/16	33.76	MCW60007000-500	6	7	1/2	67.03
MCW40005000-500	4	5	1/2	26.54	MCW62506750-312	6-1/4	6-3/4	5/16	78.77
MCW41254750-312	4-1/8	4-3/4	5/16	34.20	MCW65007250-312	6-1/2	7-1/4	5/16	65.86
MCW42504750-312	4-1/4	4-3/4	5/16	27.12	MCW65007500-625	6-1/2	7-1/2	5/8	51.79
MCW42505250-500	4-1/4	5-1/4	1/2	34.05	MCW67507250-312	6-3/4	7-1/4	5/16	65.86
MCW43755000-312	4-3/8	5	5/16	40.31	MCW67507375-375	6-3/4	7-3/8	3/8	85.66
MCW45005125-312	4-1/2	5-1/8	5/16	45.52	MCW67507750-500	6-3/4	7-3/4	1/2	53.06
MCW45005500-500	4-1/2	5-1/2	1/2	45.52	MCW70007750-312	7	7-3/4	5/16	74.11
MCW47505375-312	4-3/4	5-3/8	5/16	36.26	MCW70008000-500	7	8	1/2	117.42
MCW47505750-500	4-3/4	5-3/4	1/2	37.16	MCW80008750-375	8	8-3/4	3/8	86.62
MCW50005625-312	5	5-5/8	5/16	33.59	MCW81258625-312	8-1/8	8-5/8	5/16	149.34
MCW50005750-312	5	5-3/4	5/16	36.26	MCW90009750-562	9	9-3/4	9/16	138.90
MCW50006000-500	5	6	1/2	48.42	MCW975010250-312	9-3/4	10-1/4	5/16	177.26
MCW52505750-312	5-1/4	5-3/4	5/16	59.16	MCW1100012000-562	11	12	9/16	95.11
MCW52506000-312	5-1/4	6	5/16	52.39	MCW12H50013500-562	12-1/2	13-1/2	9/16	181.72
MCW55006125-312	5-1/2	6-1/8	5/16	54.30	MCW1350014500-562	13-1/2	14-1/2	9/16	196.67

INCH



[SEAL INFORMATION]

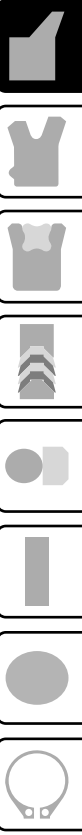
MCRW



MATERIAL	NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PART NUMBER	(Prefix) - (I.D. - O.D.) - (Height)

PART NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE
MCRW02500437-125	1/4	7/16	1/8	\$ 2.00
MCRW03750562-094	3/8	9/16	3/32	3.48
MCRW03750625-125	3/8	5/8	1/8	2.29
MCRW05000687-093	1/2	11/16	3/32	2.02
MCRW05000687-094	1/2	11/16	3/32	2.16
MCRW05000750-125	1/2	3/4	1/8	3.15
MCRW05620812-125	9/16	13/16	1/8	2.64
MCRW06250875-125	5/8	7/8	1/8	2.44
MCRW06250937-187	5/8	15/16	3/16	2.44
MCRW06251062-250	5/8	1-1/16	1/4	2.66
MCRW06251250-250	5/8	1-1/4	1/4	3.09
MCRW06250875-125	5/8	7/8	1/8	2.44
MCRW06870937-125	11/16	15/16	1/8	2.78
MCRW07500250-250	3/4	1-1/4	1/4	2.36
MCRW07501000-125	3/4	1	1/8	2.64
MCRW07501125-187	3/4	1-1/8	3/16	2.73
MCRW07501250-250	3/4	1-1/4	1/4	2.47
MCRW08751125-125	7/8	1-1/8	1/8	2.42
MCRW08751250-187	7/8	1-1/4	3/16	2.56
MCRW08751375-312	7/8	1-3/8	5/16	3.64
MCRW10001250-125	1	1-1/4	1/8	2.42
MCRW10001312-125	1	1-5/16	1/8	5.08
MCRW10001375-187	1	1-3/8	3/16	2.80
MCRW10001437-250	1	1-7/16	1/4	3.48
MCRW10001500-187	1	1-1/2	3/16	2.49
MCRW10001500-312	1	1-1/2	5/16	3.50
MCRW10001312-125	1	1-5/16	1/8	4.78
MCRW10621500-187	1-1/6	1-1/2	3/16	3.32
MCRW11251500-187	1-1/8	1-1/2	3/16	2.35
MCRW11251375-125	1-1/8	1-3/8	1/8	2.49
MCRW11251500-187	1-1/8	1-1/2	3/16	2.48

PART NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE
MCRW11251562-250	1-1/8	1-9/16	1/4	\$ 2.69
MCRW11251625-187	1-1/8	1-5/8	3/16	3.51
MCRW11251625-250	1-1/8	1-5/8	1/4	2.49
MCRW11871562-187	1-3/16	1-9/16	3/16	3.51
MCRW11871625-250	1-3/16	1-5/8	1/4	5.03
MCRW12501500-125	1-1/4	1-1/2	1/8	2.49
MCRW12501625-250	1-1/4	1-5/8	1/4	2.76
MCRW12501687-187	1-1/4	1-11/16	3/16	2.55
MCRW12501690-187	1-1/4	1-11/16	3/16	2.70
MCRW12501750-250	1-1/4	1-3/4	1/4	3.44
MCRW12501875-250	1-1/4	1-7/8	1/4	3.93
MCRW12501625-250	1-1/4	1-5/8	1/4	2.61
MCRW13751625-125	1-3/8	1-5/8	1/8	4.22
MCRW13751750-187	1-3/8	1-3/4	3/16	4.03
MCRW13751875-250	1-3/8	1-7/8	1/4	3.89
MCRW13752000-312	1-3/8	2	5/16	4.38
MCRW15001750-375	1-1/2	1-3/4	3/8	6.49
MCRW15001875-187	1-1/2	1-7/8	3/16	2.92
MCRW15001875-250	1-1/2	1-7/8	1/4	2.75
MCRW15002000-250	1-1/2	2	1/4	3.01
MCRW15002000-312	1-1/2	2	5/16	4.38
MCRW16252000-187	1-5/8	2	3/16	4.38
MCRW16252125-250	1-5/8	2-1/8	1/4	4.11
MCRW16252625-250	1-5/8	2-5/8	1/4	5.21
MCRW17502125-187	1-3/4	2-1/8	3/16	4.16
MCRW17502250-187	1-3/4	2-1/4	3/16	4.88
MCRW17502250-250	1-3/4	2-1/4	1/4	4.37
MCRW17502250-312	1-3/4	2-1/4	5/16	4.88
MCRW17502375-250	1-3/4	2-3/8	1/4	4.47
MCRW17502625-250	1-3/4	2-5/8	1/4	4.57
MCRW18752250-187	1-7/8	2-1/4	3/16	4.73



MCRW METAL CLAD RUBBER WIPERS

WIPERS

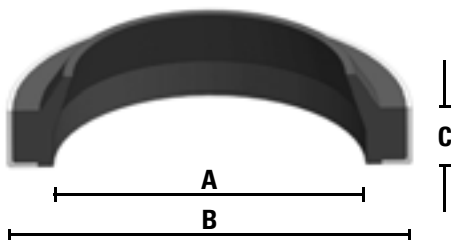
PART NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE
MCRW18752500-250	1-7/8	2-1/2	1/4	\$ 4.73
MCRW20002375-187	2	2-3/8	3/16	4.73
MCRW20002500-250	2	2-1/2	1/4	4.64
MCRW20002500-312	2	2-1/2	5/16	5.66
MCRW20002625-250	2	2-5/8	1/4	4.60
MCRW20002750-250	2	2-3/4	1/4	6.29
MCRW20002875-156	2	2-7/8	15/32	6.54
MCRW20002875-460	2	2-7/8	15/32	6.94
MCRW21252500-187	2-1/8	2-1/2	3/16	5.58
MCRW22502625-187	2-1/4	2-5/8	3/16	5.66
MCRW22502625-250	2-1/4	2-5/8	1/4	5.58
MCRW22502750-250	2-1/4	2-3/4	1/4	5.58
MCRW22502875-250	2-1/4	2-7/8	1/4	5.58
MCRW23752875-250	2-3/8	2-7/8	1/4	6.07

PART NUMBER	A ROD DIA.	B WIPER O.D.	C BASE HEIGHT	LIST PRICE
MCRW23753000-250	2-3/8	3	1/4	\$ 5.76
MCRW25003000-250	2-1/2	3	1/4	5.71
MCRW25003125-250	2-1/2	3-1/8	1/4	7.51
MCRW26253125-250	2-5/8	3-1/8	1/4	8.45
MCRW26603250-187	2.66	3-1/4	3/16	4.90
MCRW26603250-375	2.66	3-1/4	3/8	6.01
MCRW27503125-187	2-3/4	3-1/8	3/16	7.09
MCRW27503250-250	2-3/4	3-1/4	1/4	6.55
MCRW27503750-375	2-3/4	3-3/4	3/8	16.97
MCRW28753375-250	2-7/8	3.371	1/4	12.77
MCRW30003500-250	3	3-1/2	1/4	6.20
MCRW30003750-250	3	3-3/4	1/4	6.87
MCRW35004000-250	3-1/2	4	1/4	8.82

CWN METAL CLAD WIPERS

[SEAL INFORMATION]

CWN



MATERIAL

90A NITRILE

TEMPERATURE RANGE

-22° TO +212° F

PART NUMBER

(Prefix) - (Size)

PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
CWN-075	3/4	1-1/8	3/16	\$ 1.66
CWN-100	1	1-3/8	3/16	3.11
CWN-112	1-1/8	1-1/2	3/16	1.82
CWN-125	1-1/4	1-5/8	3/16	1.82
CWN-150	1-1/2	1-7/8	3/16	1.73
CWN-175	1-3/4	2-1/8	3/16	2.01

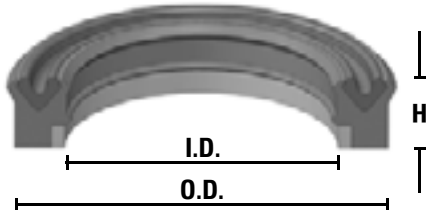
PART NUMBER	A ROD DIA.	B O.D. WIPER	C HEIGHT	LIST PRICE
CWN-200	2	2-3/8	3/16	\$ 2.46
CWN-225	2-1/4	2-5/8	3/16	2.46
CWN-250	2-1/2	2-7/8	3/16	3.97
CWN-275	2-3/4	3-1/8	3/16	5.36
CWN-300	3	3-3/8	3/16	4.50



INCH

[SEAL INFORMATION]

R-TB



MATERIAL

94A URETHANE SEAL
RUBBER ENERGIZER
POLYACETAL ANTI-EXTRUSION RING

PART NUMBER

(Prefix)(CS) - (I.D.) - (Height)

MAXIMUM EXTRUSION GAP

PRESSURE	2,400 PSI	3,750 PSI	6,000 PSI	7,500 PSI	10,000 PSI
MAXIMUM RADIAL GAP	.040"	.032"	.024"	.016"	.010"

MAXIMUM OPERATING PRESSURES

MAXIMUM SPEED FT/SECOND	TEMPERATURE RANGE -50° to +175° F	TEMPERATURE RANGE -50° to +230° F
3	5,500 PSI	5,000 PSI
1.5	10,000 PSI	7,500 PSI

Featuring high pressure and high shock load capability, this seal utilizes the same twin lip design as the R 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. It is capable of pressures up to 10,000 PSI.

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
3/16" C/S				
R18-1.25-25TB	1-1/4	1-5/8	1/4	\$ 13.62
R18-1.50-25TB	1-1/2	1-7/8	1/4	13.62
R18-1.50-31TB	1-1/2	1-7/8	5/16	13.62
R18-1.75-25TB	1-3/4	2-1/8	1/4	14.56
R18-1.75-37TB	1-3/4	2-1/8	3/8	14.63
R18-2.00-37TB	2	2-3/8	3/8	16.47
R18-3.75-37TB	3-3/4	4-1/8	3/8	33.56
1/4" C/S				
R25-1.37-37TB	1-3/8	1-7/8	3/8	\$ 13.51
R25-1.50-37TB	1-1/2	2	3/8	14.08
R25-1.75-37TB	1-3/4	2-1/4	3/8	15.53
R25-2.00-37TB	2	2-1/2	3/8	16.94
R25-2.12-37TB	2-1/8	2-5/8	3/8	18.54
R25-2.25-37TB	2-1/4	2-3/4	3/8	19.07
R25-2.37-37TB	2-3/8	2-7/8	3/8	19.83
R25-2.50-37TB	2-1/2	3	3/8	20.87
R25-2.75-37TB	2-3/4	3-1/4	3/8	22.86
R25-3.00-37TB	3	3-1/2	3/8	24.77
R25-3.25-37TB	3-1/4	3-3/4	3/8	26.46
R25-3.50-37TB	3-1/2	4	3/8	28.48
R25-3.75-37TB	3-3/4	4-1/4	3/8	31.00
R25-4.00-37TB	4	4-1/2	3/8	31.93

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
1/4" C/S				
R25-4.00-56TB	4	4-1/2	9/16	\$ 34.64
R25-4.50-37TB	4-1/2	5	3/8	38.06
R25-4.50-56TB	4-1/2	5	9/16	38.06
R25-5.00-56TB	5	5-1/2	9/16	43.34
R25-5.50-56TB	5-1/2	6	9/16	50.75
R25-6.00-56TB	6	6-1/2	9/16	55.87
R25-7.00-50TB	7	7-1/2	1/2	63.06
5/16" C/S				
R31-1.50-50TB	1-1/2	2-1/8	1/2	\$ 20.94
R31-2.50-50TB	2-1/2	3-1/8	1/2	23.36
R31-3.00-50TB	3	3-5/8	1/2	28.41
R31-3.50-50TB	3-1/2	4-1/8	1/2	33.04
R31-4.00-37TB	4	4-5/8	3/8	34.41
R31-4.00-50TB	4	4-5/8	1/2	35.78
R31-4.00-56TB	4	4-5/8	9/16	37.60
R31-4.50-37TB	4-1/2	5-1/8	3/8	38.98
R31-4.50-62TB	4-1/2	5-1/8	5/8	41.89
R31-5.00-62TB	5	5-5/8	5/8	48.60
R31-5.50-37TB	5-1/2	6-1/8	3/8	52.66
3/8" C/S				
R37-3.00-62TB	3	3-3/4	5/8	\$ 40.23
R37-3.25-62TB	3-1/4	4	5/8	44.01



R-TB SUPER-DUTY ROD U-SEALS

ROD SEALS

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
3/8" C/S				
R37-3.50-62TB	3-1/2	4-1/4	5/8	\$ 46.91
R37-4.00-62TB	4	4-3/4	5/8	51.52
R37-4.25-62TB	4-1/4	5	5/8	53.90
R37-4.50-62TB	4-1/2	5-1/4	5/8	56.31
R37-4.75-62TB	4-3/4	5-1/2	5/8	58.63
R37-5.00-62TB	5	5-3/4	5/8	61.64
R37-5.25-62TB	5-1/4	6	5/8	64.49

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
3/8" C/S				
R37-5.75-62TB	5-3/4	6-1/2	5/8	\$ 70.02
R37-6.00-62TB	6	6-3/4	5/8	72.18
R37-6.50-50TB	6-1/2	7-1/4	1/2	75.40
R37-7.00-62TB	7	7-3/4	5/8	81.53
R37-8.00-62TB	8	8-3/4	5/8	88.39
R50-9.00-75TB	9	10	3/4	298.55

DON'T DAMAGE THAT U-SEAL**TRY OUR
ROD U-SEAL INSTALLATION TOOLS**

These handy tools aid u-seal installation, eliminating the risk of damaging the seal lip.

PART NUMBER	SEAL ID RANGE	LIST PRICE
IT100	3/4" to 1-1/4"	\$ 68.28
IT150	1-3/8" to 1-7/8"	68.28
IT200	2" to 3"	68.28



Do you require a **Custom Made Gasket** in a hurry? Turn to page **xxxiv or 238** and let us take care of it for you!

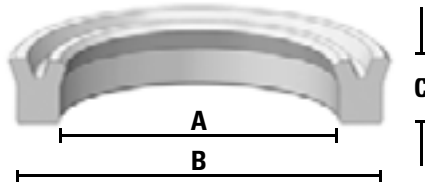
INCH



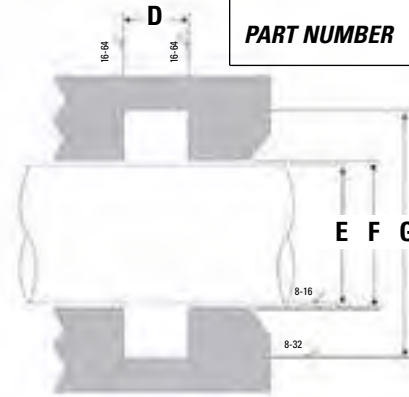
R HEAVY DUTY ROD U-SEALS

[SEAL INFORMATION]

R



MATERIAL	92 A URETHANE
TEMPERATURE RANGE	-65° TO +230°F
PRESSURE RANGE	0 TO 6,000 PSI
PART NUMBER	(Prefix)(CS) - (Inside Dia) - (Height)



These U-cups are specifically designed as a highly reliable dynamic rod seal, with asymmetric lip heights to achieve optimal seal load and stability.

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	LIST PRICE
1/8" C/S								
R12-0.62-18	5/8	7/8	3/16	0.218 +0.015/0	0.625 +0/-0.003	0.626 +0.003/0	0.875 +0.005/0	\$ 8.26
R12-0.75-12	3/4	1	1/8	0.156 +0.015/0	0.750 +0/-0.003	0.751 +0.003/0	1.000 +0.005/0	7.05
R12-0.75-25	3/4	1	1/4	0.281 +0.015/0	0.750 +0/-0.003	0.751 +0.003/0	1.000 +0.005/0	8.36
R12-0.87-12	7/8	1-1/8	1/8	0.156 +0.015/0	0.875 +0/-0.003	0.876 +0.003/0	1.125 +0.005/0	7.95
R12-1.00-12	1	1-1/4	1/8	0.156 +0.015/0	1.000 +0/-0.003	1.001 +0.003/0	1.250 +0.005/0	8.58
R12-1.00-18	1	1-1/4	3/16	0.218 +0.015/0	1.000 +0/-0.003	1.001 +0.003/0	1.250 +0.005/0	7.65
3/16" C/S								
R18-0.87-18	7/8	1-1/4	3/16	0.218 +0.015/0	0.875 +0/-0.003	0.876 +0.003/0	1.250 +0.005/0	\$ 7.44
R18-0.87-25	7/8	1-1/4	1/4	0.218 +0.015/0	0.875 +0/-0.003	0.876 +0.003/0	1.250 +0.005/0	8.53
R18-1.12-37	1-1/8	1-1/2	3/8	0.406 +0.015/0	1.125 +0/-0.003	1.126 +0.003/0	1.500 +0.007/0	8.01
R18-1.75-25	1-3/4	2-1/8	1/4	0.281 +0.015/0	1.750 +0/-0.003	1.751 +0.003/0	2.125 +0.008/0	11.84
R18-1.87-31	1-7/8	2-1/4	5/16	0.343 +0.015/0	1.875 +0/-0.003	1.876 +0.003/0	2.250 +0.008/0	25.01
R18-2.00-25	2	2-3/8	1/4	0.281 +0.015/0	2.000 +0/-0.003	2.001 +0.004/0	2.375 +0.008/0	14.05
R18-2.25-31	2-1/4	2-5/8	5/16	0.343 +0.015/0	2.250 +0/-0.003	2.251 +0.004/0	2.625 +0.008/0	14.94
R18-2.50-31	2-1/2	2-7/8	5/16	0.343 +0.015/0	2.500 +0/-0.003	2.501 +0.004/0	2.875 +0.008/0	20.77
1/4" C/S								
R25-0.93-37	15/16	1-7/16	3/8	0.406 +0.015/0	0.937 +0/-0.003	0.938 +0.003/0	1.437 +0.005/0	\$ 7.78
R25-1.00-25	1	1-1/2	1/4	0.281 +0.015/0	1.000 +0/-0.003	1.001 +0.003/0	1.500 +0.007/0	7.78
R25-1.12-25	1-1/8	1-5/8	1/4	0.281 +0.015/0	1.125 +0/-0.003	1.126 +0.003/0	1.625 +0.007/0	9.88
R25-1.25-25	1-1/4	1-3/4	1/4	0.281 +0.015/0	1.250 +0/-0.003	1.251 +0.003/0	1.750 +0.007/0	9.60
R25-1.25-31	1-1/4	1-3/4	5/16	0.343 +0.015/0	1.250 +0/-0.003	1.251 +0.003/0	1.750 +0.007/0	9.60
R25-1.50-31	1-1/2	2	5/16	0.343 +0.015/0	1.500 +0/-0.003	1.501 +0.003/0	2.000 +0.008/0	11.43
R25-1.62-31	1-5/8	2-1/8	5/16	0.343 +0.015/0	1.625 +0/-0.003	1.626 +0.003/0	2.125 +0.008/0	12.52
R25-1.87-37	1-7/8	2-3/8	3/8	0.406 +0.015/0	1.875 +0/-0.003	1.876 +0.003/0	2.375 +0.008/0	30.58
R25-2.00-25	2	2-1/2	1/4	0.281 +0.015/0	2.000 +0/-0.003	2.001 +0.004/0	2.500 +0.008/0	14.74



R HEAVY DUTY ROD U-SEALS

ROD SEALS

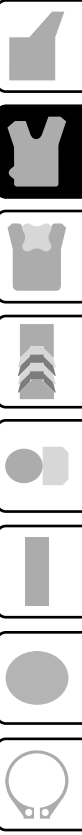
PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH		E ROD DIAMETER		F THROAT DIAMETER		G HOUSING DIAMETER		LIST PRICE
1/4" C/S												
R25-2.00-31	2	2-1/2	5/16	0.343	+0.015/0	2.000	+0/-0.003	2.001	+0.004/0	2.500	+0.008/0	\$ 14.74
R25-2.12-37	2-1/8	2-5/8	3/8	0.406	+0.015/0	2.125	+0/-0.003	2.126	+0.004/0	2.625	+0.008/0	21.56
R25-2.37-37	2-3/8	2-7/8	3/8	0.406	+0.015/0	2.375	+0/-0.003	2.376	+0.004/0	2.875	+0.008/0	14.94
R25-2.50-25	2-1/2	3	1/4	0.281	+0.015/0	2.500	+0/-0.003	2.501	+0.004/0	3.000	+0.008/0	15.29
R25-2.50-31	2-1/2	3	5/16	0.343	+0.015/0	2.500	+0/-0.003	2.501	+0.004/0	3.000	+0.008/0	15.29
R25-2.62-37	2-5/8	3-1/8	3/8	0.406	+0.015/0	2.625	+0/-0.003	2.626	+0.004/0	3.125	+0.008/0	15.61
R25-3.00-37	3	3-1/2	3/8	0.406	+0.015/0	3.000	+0/-0.004	3.001	+0.004/0	3.500	+0.009/0	15.51
R25-3.37-37	3-3/8	3-7/8	3/8	0.406	+0.015/0	3.375	+0/-0.004	3.376	+0.004/0	3.875	+0.009/0	16.99
R25-3.50-37	3-1/2	4	3/8	0.406	+0.015/0	3.500	+0/-0.004	3.501	+0.004/0	4.000	+0.009/0	17.85
R25-3.75-59	3-3/4	4-1/4	19/32	0.625	+0.015/0	3.750	+0/-0.004	3.751	+0.004/0	4.250	+0.009/0	42.81
R25-4.00-25	4	4-1/2	1/4	0.281	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.500	+0.009/0	25.93
R25-4.00-56	4	4-1/2	9/16	0.532	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.500	+0.009/0	22.79
R25-4.50-56	4-1/2	5	9/16	0.593	+0.015/0	4.500	+0/-0.004	4.501	+0.004/0	5.000	+0.01/0	26.95
R25-5.00-56	5	5-1/2	9/16	0.532	+0.015/0	5.000	+0/-0.004	5.001	+0.004/0	5.500	+0.01/0	34.12
R25-5.25-59	5-1/4	5-3/4	19/32	0.625	+0.015/0	5.250	+0/-0.004	5.251	+0.004/0	5.750	+0.01/0	61.98
R25-6.75-59	6-3/4	7-1/4	19/32	0.625	+0.015/0	6.750	+0/-0.004	6.751	+0.004/0	7.250	+0.011/0	80.34
5/16" C/S												
R31-1.37-37	1-3/8	2	3/8	0.406	+0.015/0	1.375	+0/-0.003	1.376	+0.003/0	2.000	+0.008/0	\$ 11.43
R31-2.00-37	2	2-5/8	3/8	0.406	+0.015/0	2.000	+0/-0.003	2.001	+0.004/0	2.625	+0.008/0	14.31
R31-2.25-37	2-1/4	2-7/8	3/8	0.406	+0.015/0	2.250	+0/-0.003	2.251	+0.004/0	2.875	+0.008/0	16.99
R31-2.25-50	2-1/4	2-7/8	1/2	0.531	+0.015/0	2.250	+0/-0.003	2.251	+0.004/0	2.875	+0.008/0	16.99
R31-2.37-37	2-3/8	3	3/8	0.406	+0.015/0	2.375	+0/-0.003	2.376	+0.004/0	3.000	+0.008/0	15.29
R31-2.37-50	2-3/8	3	1/2	0.531	+0.015/0	2.375	+0/-0.003	2.376	+0.004/0	3.000	+0.008/0	16.15
R31-2.75-37	2-3/4	3-3/8	3/8	0.406	+0.015/0	2.750	+0/-0.003	2.751	+0.004/0	3.375	+0.009/0	18.09
R31-3.00-37	3	3-5/8	3/8	0.406	+0.015/0	3.000	+0/-0.004	3.001	+0.004/0	3.625	+0.009/0	18.81
R31-3.25-37	3-1/4	3-7/8	1/2	0.531	+0.015/0	3.250	+0/-0.004	3.250	+0.004/0	3.875	+0.009/0	22.59
R31-3.37-50	3-3/8	4	1/2	0.531	+0.015/0	3.375	+0/-0.004	3.376	+0.004/0	4.000	+0.009/0	21.93
R31-3.75-50	3-3/4	4-3/8	1/2	0.531	+0.015/0	3.750	+0/-0.004	3.751	+0.004/0	4.375	+0.009/0	27.28
R31-4.00-50	4	4-5/8	1/2	0.531	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.625	+0.009/0	27.28
R31-4.50-37	4-1/2	5-1/8	3/8	0.406	+0.015/0	4.500	+0/-0.004	4.501	+0.004/0	5.125	+0.01/0	31.46
R31-5.50-37	5-1/2	6-1/8	3/8	0.406	+0.015/0	5.500	+0/-0.001	5.501	+0.004/0	6.125	+0.01/0	45.09
3/8" C/S												
R37-2.00-37	2	2-3/4	3/8	0.406	+0.015/0	2.000	+0/-0.003	2.001	+0.004/0	2.750	+0.008/0	\$ 15.29
R37-2.00-50	2	2-3/4	1/2	0.531	+0.015/0	2.000	+0/-0.003	2.001	+0.004/0	2.750	+0.008/0	15.29
R37-3.00-37	3	3-3/4	3/8	0.406	+0.015/0	3.000	+0/-0.004	3.001	+0.004/0	3.750	+0.009/0	18.12
R37-3.00-62	3	3-3/4	5/8	0.656	+0.015/0	3.000	+0/-0.004	3.001	+0.004/0	3.750	+0.009/0	20.60
R37-3.50-37	3-1/2	4-1/4	3/8	0.406	+0.015/0	3.500	+0/-0.004	3.501	+0.004/0	4.250	+0.009/0	23.85
R37-3.50-50	3-1/2	4-1/4	1/2	0.531	+0.015/0	3.500	+0/-0.004	3.501	+0.004/0	4.250	+0.009/0	23.85
R37-3.62-37	3-5/8	4-3/8	3/8	0.406	+0.015/0	3.625	+0/-0.004	3.626	+0.004/0	4.375	+0.009/0	23.85
R37-4.00-37	4	4-3/4	3/8	0.406	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.750	+0.009/0	27.28
R37-4.00-50	4	4-3/4	1/2	0.531	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.750	+0.009/0	27.28
R37-4.00-62	3/8	4	4-3/4	0.656	+0.015/0	4.000	+0/-0.004	4.001	+0.004/0	4.750	+0.009/0	42.24
R37-4.25-50	3/8	4-1/4	5	0.531	+0.015/0	4.250	+0/-0.004	4.251	+0.004/0	5.000	+0.01/0	26.71
R37-4.25-62	4-1/4	5	5/8	0.656	+0.015/0	4.250	+0/-0.004	4.251	+0.004/0	5.000	+0.01/0	27.65

INCH

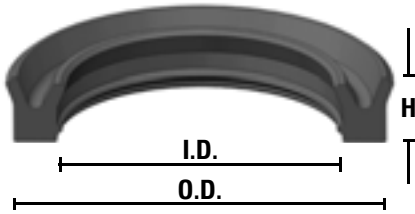


R HEAVY DUTY ROD U-SEALS

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH		E ROD DIAMETER		F THROAT DIAMETER		G HOUSING DIAMETER		LIST PRICE
3/8" C/S												
R37-4.37-50	4-3/8	5-1/8	1/2	0.531	+0.015/0	4.375	+0/-0.004	4.376	+0.004/0	5.125	+0.01/0	\$ 38.02
R37-4.50-50	4-1/2	5-1/4	1/2	0.531	+0.015/0	4.500	+0/-0.004	4.501	+0.004/0	5.250	+0.01/0	28.64
R37-4.50-62	4-1/2	5-1/4	5/8	0.656	+0.015/0	4.500	+0/-0.004	4.501	+0.004/0	5.250	+0.01/0	28.40
R37-4.75-37	4-3/4	5-1/2	3/8	0.406	+0.015/0	4.750	+0/-0.004	4.751	+0.004/0	5.500	+0.01/0	36.41
R37-4.87-50	4-7/8	5-5/8	1/2	0.531	+0.015/0	4.875	+0/-0.004	4.876	+0.004/0	5.625	+0.01/0	48.52
R37-5.25-62	5-1/4	6	5/8	0.687	+0.015/0	5.250	+0/-0.004	5.251	+0.004/0	6.000	+0.01/0	43.31
R37-5.75-62	5-3/4	6-1/2	5/8	0.656	+0.015/0	5.750	+0/-0.004	5.751	+0.004/0	6.500	+0.01/0	58.97
R37-6.00-62	6	6-3/4	5/8	0.656	+0.015/0	6.000	+0/-0.004	6.001	+0.004/0	6.750	+0.01/0	61.88
R37-6.50-50	6-1/2	7-1/4	1/2	0.531	+0.015/0	6.500	+0/-0.004	6.501	+0.004/0	7.250	+0.011/0	67.64
R37-6.50-62	6-1/2	7-1/4	5/8	0.656	+0.015/0	6.500	+0/-0.004	6.501	+0.004/0	7.250	+0.011/0	81.11
R37-7.00-50	7	7-3/4	1/2	0.531	+0.015/0	7.000	+0/-0.004	7.001	+0.004/0	7.750	+0.011/0	73.70
R37-7.00-62	7	7-3/4	5/8	0.656	+0.015/0	7.000	+0/-0.004	7.001	+0.004/0	7.750	+0.011/0	79.71
7/16" C/S												
R43-4.50-48	4-1/2	5-3/8	7/16	0.512	+0.015/0	4.500	+0/-0.004	4.501	+0.004/0	5.375	+0.01/0	\$ 41.49
1/2" C/S												
R50-5.00-75	5	6	3/4	0.781	+0.015/0	5.000	+0/-0.004	5.001	+0.004/0	6.000	+0.01/0	\$ 70.09
R50-7.00-69	7	8	11/16	0.747	+0.015/0	7.000	+0/-0.005	7.001	+0.004/0	8.000	+0.011/0	85.68
R50-7.00-75	7	8	3/4	0.781	+0.015/0	7.000	+0/-0.005	7.001	+0.004/0	8.000	+0.011/0	86.53
R50-9.00-62	9	10	5/8	0.656	+0.015/0	9.000	+0/-0.005	9.001	+0.004/0	10.000	+0.012/0	96.96
R50-9.00-75	9	10	3/4	0.781	+0.015/0	9.000	+0/-0.005	9.001	+0.004/0	10.000	+0.012/0	111.25
R50-10.00-62	10	11	5/8	0.656	+0.015/0	10.000	+0/-0.006	10.001	+0.004/0	11.000	+0.012/0	116.58
R50-12.00-75	12	13	3/4	0.781	+0.015/0	12.000	+0/-0.006	12.001	+0.004/0	13.000	+0.012/0	162.17
3/4" C/S												
R75-8.00-62	8	9-1/2	5/8	0.656	+0.015/0	8.000	+0/-0.005	8.001	+0.004/0	9.500	+0.012/0	\$151.02



[SEAL INFORMATION]

R-T

MATERIAL

94 A URETHANE

TEMPERATURE RANGE

-65° TO +220°F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix)(CS) - (Inside Dia) - (Height)

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 NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
R12-0.37-18T	3/8	5/8	.198	\$ 5.89
R12-0.56-18T	9/16	13/16	3/16	6.06
R12-0.62-25T	5/8	7/8	1/4	6.09
R12-0.75-25T	3/4	1	1/4	6.29
R12-0.87-18T	7/8	1-1/8	3/16	6.34
R12-0.87-25T	7/8	1-1/8	1/4	6.39
R12-1.00-18T	1	1-1/4	3/16	6.41
R12-1.00-25T	1	1-1/4	1/4	6.33
R12-1.06-25T	1-1/16	1-5/16	1/4	8.88
R12-1.12-18T	1-1/8	1-3/8	3/16	8.13
R12-1.12-25T	1-1/8	1-3/8	1/4	6.67
R12-1.25-18T	1-1/4	1-1/2	3/16	6.51
R12-1.25-25T	1-1/4	1-1/2	1/4	6.90
R12-1.37-18T	1-3/8	1-5/8	3/16	6.34
R12-1.37-19T	1-3/8	1-5/8	1/4	7.23
R12-1.50-25T	1-1/2	1-3/4	1/4	7.43
R12-1.62-25T	1-5/8	1-7/8	1/4	7.70
R12-1.75-25T	1-3/4	2	1/4	7.57
R12-2.00-25T	2	2-1/4	1/4	7.11
3/16" C/S				
R18-1.00-25T	1	1-3/8	1/4	\$ 7.29
R18-1.00-31T	1	1-3/8	5/16	7.46
R18-1.12-31T	1-1/8	1-1/2	5/16	7.22
R18-1.25-23T	1-1/4	1-5/8	15/64	7.28
R18-1.25-25T	1-1/4	1-5/8	1/4	7.38
R18-1.25-31T	1-1/4	1-5/8	5/16	8.46
R18-1.25-37T	1-1/4	1-5/8	3/8	8.05
R18-1.37-19T	1-3/8	1-3/4	3/16	8.57
R18-1.37-31T	1-3/8	1-3/4	5/16	7.90
R18-1.50-19T	1-1/2	1-7/8	3/16	7.61
R18-1.50-25T	1-1/2	1-7/8	1/4	7.81

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
R18-1.50-31T	1-1/2	1-7/8	5/16	\$ 7.81
R18-1.50-37T	1-1/2	1-7/8	3/8	7.81
R18-1.62-28T	1-5/8	2	9/32	10.59
R18-1.62-31T	1-5/8	2	5/16	9.27
R18-1.62-37T	1-5/8	2	3/8	8.60
R18-1.75-25T	1-3/4	2-1/8	1/4	8.23
R18-1.75-31T	1-3/4	2-1/8	5/16	8.31
R18-1.75-37T	1-3/4	2-1/8	3/8	9.09
R18-1.87-37T	1-7/8	2-1/4	3/8	9.48
R18-2.00-25T	2	2-3/8	1/4	8.91
R18-2.00-31T	2	2-3/8	5/16	9.78
R18-2.00-37T	2	2-3/8	3/8	8.97
R18-2.12-37T	2-1/8	2-1/2	3/8	10.09
R18-2.37-37T	2-3/8	2-3/4	3/8	9.85
R18-2.50-31T	2-1/2	2-7/8	5/16	10.73
R18-2.50-37T	2-1/2	2-7/8	3/8	9.44
R18-2.62-37T	2-5/8	3	3/8	10.44
R18-2.75-37T	2-3/4	3-1/8	3/8	10.56
R18-2.87-37T	2-7/8	3-1/4	3/8	11.31
R18-3.00-37T	3	3-3/8	3/8	12.14
R18-3.12-62T	3-1/8	3-1/2	5/8	15.19
R18-3.25-37T	3-1/4	3-5/8	3/8	14.74
R18-3.25-56T	3-1/4	3-5/8	9/16	15.19
R18-3.50-37T	3-1/2	3-7/8	3/8	15.14
R18-3.75-37T	3-3/4	4-1/8	3/8	14.54
R18-4.00-37T	4	4-3/8	3/8	17.83
R18-4.75-37T	4-3/4	5-1/8	3/8	18.98
.219" C/S				
R21-3.00-28T	3	3-7/16	9/32	\$ 16.33
7/32" C/S				
R21-2.50-31T	2-1/2	2-15/16	.284	\$ 7.44

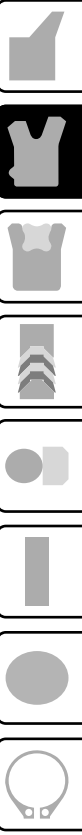
R-T ASYMMETRIC TWIN LIP ROD U-SEALS

31

ROD SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
R25-0.50-18T	1/2	3/4	3/16	\$ 6.36
R25-1.00-25T	1	1-1/2	1/4	6.68
R25-1.00-37T	1	1-1/2	3/8	7.35
R25-1.25-37T	1-1/4	1-3/4	3/8	7.61
R25-1.37-37T	1-3/8	1-7/8	3/8	7.54
R25-1.50-37T	1-1/2	2	3/8	8.02
R25-1.62-37T	1-5/8	2-1/8	3/8	9.12
R25-1.75-37T	1-3/4	2-1/4	3/8	9.91
R25-1.75-50T	1-3/4	2-1/4	1/2	10.52
R25-2.00-25T	2	2-1/2	1/4	9.52
R25-2.00-31T	2	2-1/2	5/16	10.18
R25-2.00-37T	2	2-1/2	3/8	10.75
R25-2.25-37T	2-1/4	2-3/4	3/8	11.21
R25-2.37-37T	2-3/8	2-7/8	3/8	11.68
R25-2.50-25T	2-1/2	3	1/4	12.30
R25-2.50-28T	2-1/2	3	9/32	12.96
R25-2.50-37T	2-1/2	3	3/8	12.48
R25-2.62-50T	2-5/8	3-1/8	1/2	12.95
R25-2.75-31T	2-3/4	3-1/4	5/16	13.28
R25-2.75-37T	2-3/4	3-1/4	3/8	14.55
R25-3.00-37T	3	3-1/2	3/8	15.72
R25-3.00-75T	3	3-1/2	3/4	17.23
R25-3.25-37T	3-1/4	3-3/4	3/8	16.80
R25-3.50-31T	3-1/2	4	5/16	18.20
R25-3.50-37T	3-1/2	4	3/8	18.20
R25-4.00-31T	4	4-1/2	5/16	20.81
R25-4.00-37T	4	4-1/2	3/8	20.31
R25-4.00-75T	4	4-1/2	3/4	22.74
R25-4.50-37T	4-1/2	5	3/8	22.05
R25-4.75-62T	4-3/4	5-1/4	5/8	24.11
R25-5.00-37T	5	5-1/2	3/8	25.24
R25-5.00-56T	5	5-1/2	9/16	25.44
R25-5.00-75T	5	5-1/2	3/4	25.44
R25-5.50-37T	5-1/2	6	3/8	28.90
R25-5.50-56T	5-1/2	6	9/16	30.60

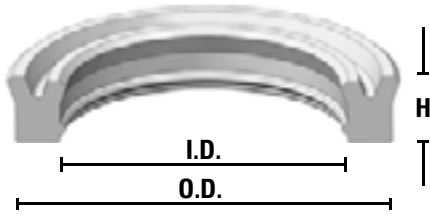
PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
R25-6.00-56T	6	6-1/2	9/16	\$ 31.40
R25-6.00-75T	6	6-1/2	3/4	29.35
R25-7.00-56T	7	7-1/2	9/16	38.49
R25-7.00-75T	7	7-1/2	3/4	39.14
R25-8.12-75T	8-1/8	8-5/8	3/4	40.25
R25-9.37-75T	9-3/8	9-7/8	3/4	41.48
5/16" C/S				
R31-1.50-37T	1-1/2	2-1/8	3/8	\$ 10.00
R31-2.00-50T	2	2-5/8	1/2	11.14
R31-2.25-50T	2-1/4	2-7/8	1/2	12.16
R31-2.50-50T	2-1/2	3-1/8	1/2	13.22
R31-2.75-37T	2-3/4	3-3/8	3/8	14.64
R31-2.75-50T	2-3/4	3-3/8	1/2	14.90
R31-2.75-80T	2-3/4	3-3/8	.805	24.28
R31-3.00-50T	3	3-5/8	1/2	16.52
R31-3.25-50T	3-1/4	3-7/8	1/2	17.30
R31-3.50-50T	3-1/2	4-1/8	1/2	18.83
R31-4.00-50T	4	4-5/8	1/2	21.50
R31-4.50-50T	4-1/2	5-1/8	1/2	24.41
R31-5.00-50T	5	5-5/8	1/2	28.16
3/8" C/S				
R37-2.50-62T	2-1/2	3-1/4	5/8	\$ 19.12
R37-3.00-62T	3	3-3/4	5/8	23.10
R37-3.50-62T	3-1/2	4-1/4	5/8	25.58
R37-4.00-62T	4	4-3/4	5/8	26.95
R37-4.25-62T	4-1/4	5	5/8	30.16
R37-4.50-62T	4-1/2	5-1/4	5/8	32.04
R37-5.00-62T	5	5-3/4	5/8	34.69
R37-5.50-62T	5-1/2	6-1/4	5/8	36.15
R37-6.00-62T	6	6-3/4	5/8	38.05
R37-6.50-62T	6-1/2	7-1/4	5/8	40.71
R37-7.00-62T	7	7-3/4	5/8	42.29
R37-8.00-62T	8	8-3/4	5/8	49.49



INCH

[SEAL INFORMATION]

R-H



MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +230°F
PRESSURE RANGE	0 TO 6,000 PSI
PART NUMBER	(Prefix)(CS) - (Inside Dia) - (Height)

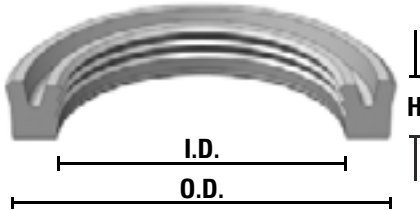
These seals are specifically designed with a second lip on the inside diameter and engineered for maximum life and reliability in dynamic rod sealing. This feature results in reduced leakage, less friction, increased stability and prevents air and contaminants from entering the cylinder.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
R12-0.75-25H	3/4	1	1/4	\$ 8.38
R12-1.00-25H	1	1-1/4	1/4	7.41
R12-1.50-18H	1-1/2	1-3/4	3/16	9.13
3/16" C/S				
R18-0.75-25H	3/4	1-1/8	1/4	\$ 8.26
R18-0.75-31H	3/4	1-1/8	5/16	7.50
R18-1.00-31H	1	1-3/8	5/16	7.44
R18-1.12-25H	1-1/8	1-1/2	1/4	9.47
R18-1.12-31H	1-1/8	1-1/2	5/16	7.74
R18-1.25-31H	1-1/4	1-5/8	5/16	10.73
R18-1.25-37H	1-1/4	1-5/8	3/8	8.72
R18-1.37-31H	1-3/8	1-3/4	5/16	10.05
R18-1.50-25H	1-1/2	1-7/8	1/4	10.05
R18-1.50-31H	1-1/2	1-7/8	5/16	10.05
R18-1.50-37H	1-1/2	1-7/8	3/8	10.05
R18-1.62-37H	1-5/8	2	3/8	11.27
R18-1.75-31H	1-3/4	2-1/8	5/16	11.44
R18-1.75-37H	1-3/4	2-1/8	3/8	11.44
R18-1.87-31H	1-7/8	2-1/4	5/16	10.72
R18-1.87-37H	1-7/8	2-1/4	3/8	13.26
R18-2.00-31H	2	2-3/8	5/16	13.59
R18-2.00-37H	2	2-3/8	3/8	13.59
R18-2.25-37H	2-1/4	2-5/8	3/8	14.45
R18-2.50-37H	2-1/2	2-7/8	3/8	17.37
1/4" C/S				
R25-1.00-37H	1	1-1/2	3/8	\$ 7.52
R25-1.25-37H	1-1/4	1-3/4	3/8	9.28
R25-1.37-37H	1-3/8	1-7/8	3/8	10.06
R25-1.50-37H	1-1/2	2	3/8	11.06
R25-1.75-31H	1-3/4	2-1/4	5/16	12.38
R25-1.75-37H	1-3/4	2-1/4	3/8	12.38

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
R25-2.00-37H	2	2-1/2	3/8	\$ 14.30
R25-2.25-37H	2-1/4	2-3/4	3/8	15.19
R25-2.37-37H	2-3/8	2-7/8	3/8	14.45
R25-2.50-37H	2-1/2	3	3/8	14.37
R25-2.75-37H	2-3/4	3-1/4	3/8	15.11
R25-3.00-37H	3	3-1/2	3/8	15.59
R25-3.25-31H	3-1/4	3-3/4	5/16	16.44
R25-3.25-37H	3-1/4	3-3/4	3/8	16.44
R25-3.50-37H	3-1/2	4	3/8	17.18
R25-3.75-37H	3-3/4	4-1/4	3/8	20.15
R25-4.00-37H	4	4-1/2	3/8	21.86
R25-4.50-56H	4-1/2	5	9/16	26.53
R25-4.75-56H	4-3/4	5-1/4	9/16	32.72
R25-5.50-56H	5-1/2	6	9/16	41.50
5/16" C/S				
R31-1.75-37H	1-3/4	2-3/8	3/8	\$ 12.45
R31-1.75-50H	1-3/4	2-3/8	1/2	12.45
R31-2.00-50H	2	2-5/8	1/2	13.83
R31-2.50-50H	2-1/2	3-1/8	1/2	16.56
R31-2.75-50H	2-3/4	3-3/8	1/2	17.50
R31-3.00-50H	3	3-5/8	1/2	18.97
R31-4.00-37H	4	4-5/8	3/8	26.41
3/8" C/S				
R37-2.75-62H	2-3/4	3-1/2	5/8	\$ 19.24
R37-3.00-50H	3	3-3/4	1/2	18.51
R37-3.50-62H	3-1/2	4-1/4	5/8	23.07
R37-4.00-62H	4	4-3/4	5/8	26.42
R37-4.25-62H	4-1/4	5	5/8	26.75
R37-4.50-62H	4-1/2	5-1/4	5/8	33.01
R37-4.75-62H	4-3/4	5-1/2	5/8	35.25
R37-5.00-62H	5	5-3/4	5/8	53.92

[SEAL INFORMATION]

RMU-U



MATERIAL	92A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix)(CS) - (Inside Dia) - (Height)

The RMU 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 RMU uses 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 towards the heel.

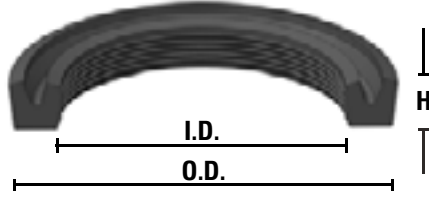
PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8 - .125" C/S				
RMU12-0.50-21U	1/2	3/4	7/32	\$ 12.97
RMU12-0.62-21U	5/8	7/8	7/32	13.29
5/32 - .156" C/S				
RMU15-1.00-21U	1	1-5/16	7/32	\$ 16.33
RMU15-1.37-24U	1-3/8	1-11/16	0.24	19.28
3/16 - .187" C/S				
RMU18-1.75-27U	1-3/4	2-1/8	0.27	\$ 22.96
RMU18-2.00-27U	2	2-3/8	0.27	26.63
7/32 - .218" C/S				
RMU21-2.50-30U	2-1/2	2.93	0.30	\$ 28.11
RMU21-3.00-30U	3	3-7/16	0.30	29.57

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4 - .250" C/S				
RMU25-3.50-33U	3-1/2	4	0.33	\$ 35.16
RMU25-4.00-33U	4	4-1/2	0.33	39.32
RMU25-4.50-33U	4-1/2	5	0.33	43.49
9/32 - .281" C/S				
RMU28-5.00-35U	5	5-9/16	0.355	\$ 47.68
5/16 - .312" C/S				
RMU31-5.50-38U	5-1/2	6.12	0.38	\$ 52.81



[SEAL INFORMATION]

RMU-N/V



N = BUNA-N
V = FLUOROCARBON

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 TO 2,200 PSI

PART NUMBER

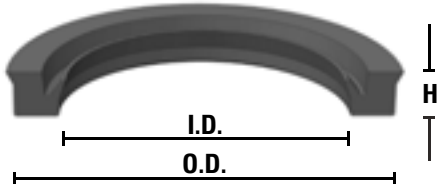
(Prefix)(CS)-(Inside Dia)-(HT)

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
RMU12-0.62-15V	5/8	7/8	5/32	\$ 23.07
RMU12-0.62-15N	5/8	7/8	5/32	6.39
5/32" C/S				
RMU15-1.00-18N	1	1-5/16	3/16	\$ 6.11
RMU15-1.00-18V	1	1-5/16	3/16	11.72
RMU15-1.37-18V	1-3/8	1-11/16	3/16	24.26
RMU15-1.37-18N	1-3/8	1-11/16	3/16	8.15

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
RMU18-1.75-21V	1-3/4	2-1/8	7/32	\$ 30.55
RMU18-1.75-21N	1-3/4	2-1/8	7/32	8.99
RMU18-2.00-21V	2	2-3/8	7/32	34.92
RMU18-2.00-21N	2	2-3/8	7/32	10.81
7/32" C/S				
RMU21-2.50-24N	2-1/2	2.93	.24	\$ 12.19
RMU21-2.50-24V	2-1/2	2.93	.24	41.07
RMU21-3.00-24V	3	3-7/16	.24	49.27
RMU21-3.00-24N	3	3-7/16	.24	14.62

[SEAL INFORMATION]

KR

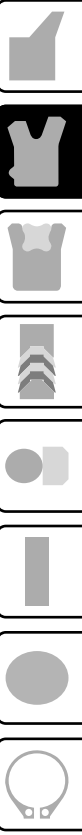


MATERIAL	90A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 150 PSI
PART NUMBER	(Prefix)(CS) - (Inside Dia)

The KR seal is designed as a positive sealing, low friction replacement for ordinary rubber u-seals. Made from polyurethane, this seal is durable and offers high resistance against extrusion. Enabled by its extremely flexible, dynamic lip, the KR seal runs smoothly in both lubricated and non-lubricated cylinders.

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
3/32" C/S				
KR-094-00.250	1/4	7/16	3/32	\$ 3.32
KR-094-00.312	5/16	1/2	3/32	3.32
KR-094-00.437	7/16	5/8	3/32	3.46
KR-094-00.500	1/2	11/16	3/32	3.46
1/8" C/S				
KR-125-00.250	1/4	1/2	1/8	\$ 4.47
KR-125-00.312	5/16	9/16	1/8	4.47
KR-125-00.375	3/8	5/8	1/8	4.72
KR-125-00.500	1/2	3/4	1/8	4.72
KR-125-00.625	5/8	7/8	1/8	4.79
KR-125-00.750	3/4	1	1/8	4.79
KR-125-00.812	13/16	1-1/16	1/8	4.88
KR-125-00.875	7/8	1-1/8	1/8	4.88
KR-125-01.000	1	1-1/4	1/8	4.88
KR-125-01.125	1-1/8	1-3/8	1/8	4.94
KR-125-01.250	1-1/4	1-1/2	1/8	5.08

PART NUMBER	I.D.	O.D.	H.	LIST PRICE
5/32" C/S				
KR-156-01.000	1	1-5/16	5/32	\$ 5.16
KR-156-01.250	1-1/4	1-9/16	5/32	5.16
KR-156-01.375	1-3/8	1-11/16	5/32	5.16
3/16" C/S				
KR-187-00.875	7/8	1-1/4	3/16	\$ 5.20
KR-187-01.000	1	1-3/8	3/16	5.30
KR-187-01.375	1-3/8	1-3/4	3/16	5.45
KR-187-01.500	1-1/2	1-7/8	3/16	5.45
KR-187-01.750	1-3/4	2-1/8	3/16	5.56
KR-187-02.000	2	2-3/8	3/16	9.53
KR-187-02.250	2-1/4	2-5/8	3/16	5.75
KR-187-03.000	3	3-3/8	3/16	5.99



[SEAL INFORMATION]

TR

**MATERIAL**BUNA-N RUBBER
EXPANDER/NYLON BACK-UPS**TEMPERATURE RANGE**

-35° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

Designed to install in standard O-ring grooves, T-seals combine a resilient rubber sealing expander with a hard, split nylon backup ring on each side. They resist spiral failure and offer improved extrusion resistance to higher pressures than standard O-rings.

PART NUMBER	ROD DIAMETER	O-RING GROOVE DASH NUMBER	LIST PRICE
TR-108	1/4	-108	\$ 5.22
TR-204	3/8	-204	5.21
TR-206	1/2	-206	5.21
TR-207	9/16	-207	5.38
TR-208	5/8	-208	5.38
TR-209	11/16	-209	5.62
TR-210	3/4	-210	6.92
TR-211	13/16	-211	7.88
TR-212	7/8	-212	7.88
TR-214	1	-214	7.88
TR-215	1-1/16	-215	7.88
TR-216	1-1/8	-216	8.12
TR-217	1-3/16	-217	8.12
TR-218	1-1/4	-218	8.41
TR-220	1-3/8	-220	8.41
TR-221	1-7/16	-221	8.75
TR-222	1-1/2	-222	8.75
TR-325	1-1/2	-325	9.36
TR-326	1-5/8	-326	9.47
TR-327	1-3/4	-327	9.88
TR-328	1-7/8	-328	10.03
TR-329	2	-329	10.26
TR-330	2-1/8	-330	10.32
TR-331	2-1/4	-331	10.39
TR-332	2-3/8	-332	10.48
TR-333	2-1/2	-333	10.58
TR-334	2-5/8	-334	10.81
TR-335	2-3/4	-335	11.49

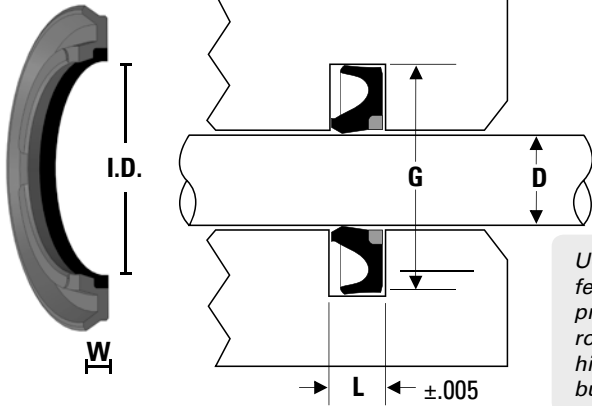
PART NUMBER	ROD DIAMETER	O-RING GROOVE DASH NUMBER	LIST PRICE
TR-336	2-7/8	-336	\$ 11.73
TR-337	3	-337	12.29
TR-338	3-1/8	-338	13.13
TR-339	3-1/4	-339	14.05
TR-340	3-3/8	-340	14.55
TR-341	3-1/2	-341	15.63
TR-342	3-5/8	-342	16.35
TR-343	3-3/4	-343	17.31
TR-344	3-7/8	-344	17.87
TR-345	4	-345	19.00
TR-347	4-1/4	-347	20.67
TR-348	4-3/8	-348	23.46
TR-349	4-1/2	-349	23.48
TR-429	5	-429	29.59
TR-431	5-1/4	-431	42.45
TR-433	5-1/2	-433	49.30
TR-436	5-7/8	-436	51.62
TR-437	6	-437	54.14
TR-439	6-1/2	-439	56.96
TR-443	7-1/2	-443	67.50
TR-445	8	-445	89.35
TR-447	9	-447	108.60

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.

TR-329-2	2	.405	\$ 17.55
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[SEAL INFORMATION]

RB



MATERIAL

URETHANE U-STYLE
POLYACETAL BACK-UP

TEMPERATURE RANGE

-40° TO +230° F

PRESSURE RANGE

0 TO 8,000 PSI

PART NUMBER

(Prefix) - (O-Ring CS) (Inside Dia.)

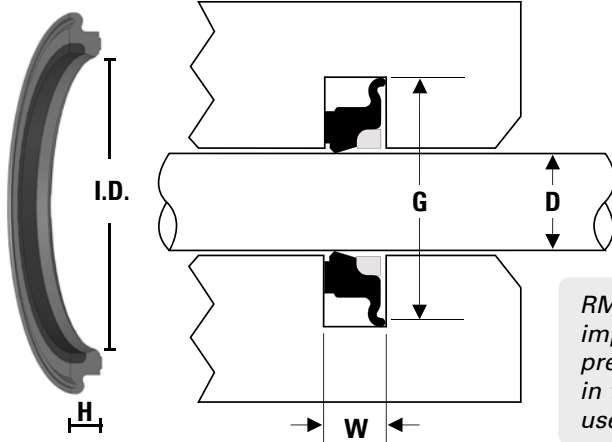
U-cup style buffer ring offers an asymmetric sealing lip profile, chamfered sealing edges, and pressure relieving capabilities to prevent inner pressure entrapment when employed in a tandem sealing system. This rod buffer seal is designed to absorb impact pressure fluctuations under high-load conditions, thus increasing the life of the primary seal. RB buffers with "BU" suffix utilize polyacetal back-up. Standard RBs do not.

PART NUMBER	D NOMINAL ROD DIA. SEAL I.D.	G GROOVE DIAMETER	W SEAL WIDTH	L GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
					1000 PSI	3000 PSI	5000 PSI	
RB28-1.25-12	1-1/4	1.813 ±0.008	1/8	0.140 ±0.005	0.012	0.008	0.005	\$ 11.54
RB28-1.50-12	1-1/2	2.063 ±0.008	1/8	0.140 ±0.005	0.012	0.008	0.005	13.32
RB28-1.75-12	1-3/4	2.313 ±0.008	1/8	0.140 ±0.005	0.012	0.008	0.005	15.10
RB28-2.00-12	2	2.563 ±0.008	1/8	0.140 ±0.005	0.012	0.008	0.005	16.89
RB31-2.75-22BU	2-3/4	3.375 ±0.004	3/16	0.234 ±0.005	0.012	0.008	0.005	22.24
RB31-3.00-22BU	3	3.625 ±0.004	3/16	0.234 ±0.005	0.014	0.010	0.005	24.04
RB31-4.00-22BU	4	4.625 ±0.004	3/16	0.234 ±0.005	0.014	0.010	0.005	31.17
RB32-1.75-20BU	1-3/4	2.400 ±0.005	0.22	0.220 ±0.005	0.012	0.008	0.005	17.55
RB34-2.25-22BU	2-1/4	2.938 ±0.004	3/16	0.234 ±0.005	0.012	0.008	0.005	18.69
RB34-2.50-22BU	2-1/2	3.188 ±0.004	3/16	0.234 ±0.005	0.012	0.008	0.005	20.47
RB34-3.50-22BU	3-1/2	4.188 ±0.004	3/16	0.234 ±0.005	0.014	0.010	0.005	27.61

PART NUMBER	D NOMINAL ROD DIA. SEAL I.D.	G GROOVE DIAMETER	W SEAL WIDTH	L GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
					1000 PSI	3000 PSI	5000 PSI	
RB302500	2-1/2	3.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	\$ 32.35
RB302750	2-3/4	3.366 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	26.83
RB303000	3	3.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	37.86
RB303500	3-1/2	4.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	38.63
RB304000	4	4.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	53.21
RB304500	4-1/2	5.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	66.16
RB304750	4-3/4	5.366 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	68.30
RB305000	5	5.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	67.82
RB305500	5-1/2	6.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	68.71
RB306000	6	6.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	64.62
RB306500	6-1/2	7.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	71.52
RB307000	7	7.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	77.29
RB307500	7-1/2	8.116 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	78.66
RB308000	8	8.616 +0.005/-0	0.235	0.247 +0.010/-0	0.03	0.022	0.018	82.95



[SEAL INFORMATION]

RM

MATERIAL

 URETHANE SEAL
 NYLON BACK-UP

TEMPERATURE RANGE

-40° TO +230° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

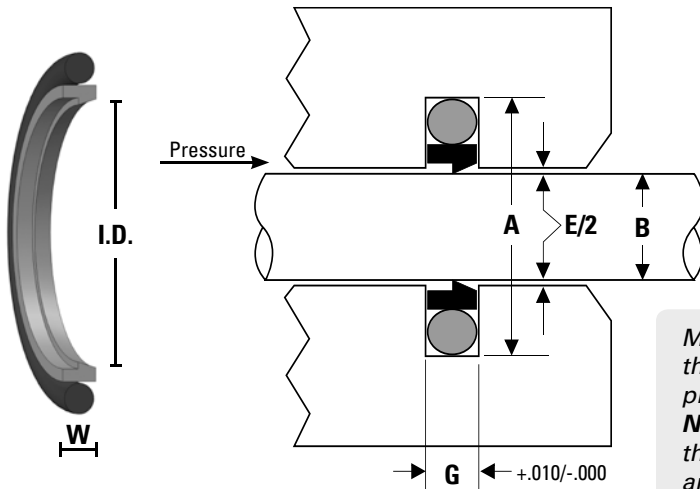
(Prefix) - (O-Ring CS) (Inside Dia.)

RM Buffer Seals have an asymmetric sealing profile that offers improved performance in small diameter applications and pressure relieving capabilities to prevent pressure entrapment in tandem sealing systems. RM Rod Buffer Seals can also be used to retrofit RB and R applications when properly sized.

PART NUMBER	D NOMINAL ROD DIA. SEAL I.D.	G GROOVE DIAMETER	H SEAL WIDTH	W GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
					1000 PSI	3000 PSI	5000 PSI	
RM201000	1	1.424 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	\$ 22.66
RM201250	1-1/4	1.674 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	22.66
RM201500	1-1/2	1.924 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	20.42
RM201750	1-3/4	2.174 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	21.32
RM301750	1-3/4	2.366 +0.005/-0	0.235 ±0.005	0.247 +0.010/-0	0.030	0.022	0.018	21.83
RM202000	2	2.424 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	22.94
RM302000	2	2.616 +0.005/-0	0.235 ±0.005	0.247 +0.010/-0	0.030	0.022	0.018	24.68
RM202500	2-1/2	2.924 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	23.14
RM302500	2-1/2	3.116 +0.005/-0	0.235 ±0.005	0.247 +0.010/-0	0.030	0.022	0.018	32.04
RM202750	2-3/4	3.174 +0.005/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	26.58
RM302750	2-3/4	3.366 +0.005/-0	0.235 ±0.005	0.247 +0.010/-0	0.030	0.022	0.018	26.58
RM203000	3	3.424 +0.004/-0	0.155 ±0.005	0.166 +0.010/-0	0.022	0.018	0.012	30.07
RM303000	3	3.616 +0.005/-0	0.235 ±0.005	0.247 +0.010/-0	0.030	0.022	0.018	37.50

[SEAL INFORMATION]

BR



MATERIAL

BRONZE FILLED PTFE SEAL
RUBBER ENERGIZER

TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

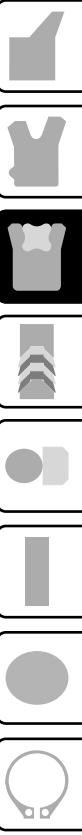
PART NUMBER

(Prefix) - (Inside Dia) (O-Ring CS)

Made from Bronze PTFE with a 70 A Nitrile O-ring, this seal absorbs the shock of pressure spikes, thus protecting the rod seal.

NOTE: For higher temperatures, the Nitrile O-ring in this seal can be replaced by a fluorocarbon o-ring for an additional charge. Please call for sizes not listed.

PART NUMBER	B NOMINAL ROD DIA. SEAL I.D.	A GROOVE DIAMETER	W SEAL WIDTH	G GROOVE WIDTH	E- MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
					1000 PSI	3000 PSI	5000 PSI	
BR100500	1/2	0.798 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	\$ 7.33
BR100625	5/8	0.923 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	9.64
BR100750	3/4	1.037 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	10.15
BR200750	3/4	1.171 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	14.66
BR100875	7/8	1.173 +0.003/-0	.122±.005	0.126+0.010/-0	0.012	0.006	0.004	14.66
BR101000	1	1.298 +0.004/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	12.72
BR201000	1	1.433 +0.004/-0	.155±.005	0.165 +0.008/-0	0.016	0.008	0.006	10.04
BR101125	1-1/8	1.423 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	12.45
BR201125	1-1/8	1.546 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	14.22
BR101250	1-1/4	1.548 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	16.47
BR201250	1-1/4	1.674 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	16.83
BR101375	1-3/8	1.662 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	17.42
BR201375	1-3/8	1.799 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	17.81
BR101500	1-1/2	1.798 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	18.34
BR201500	1-1/2	1.924 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	18.78
BR301500	1-1/2	2.116 +0.004/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	17.46
BR101750	1-3/4	2.048 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004	17.92
BR201750	1-3/4	2.174 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	18.59
BR301750	1-3/4	2.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	19.97
BR201875	1-7/8	2.299 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	21.36
BR202000	2	2.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	22.16
BR302000	2	2.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	23.38
BR202125	2-1/8	2.549 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	23.97
BR202250	2-1/4	2.674 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	24.01
BR302250	2-1/4	2.844+0.005/-0	.235±.005	0.247+0.010/-0	0.020	0.010	0.008	24.13
BR202500	2-1/2	2.924 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	24.34
BR302500	2-1/2	3.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	26.27



BR ROD BUFFER SEALS

BUFFER SEALS

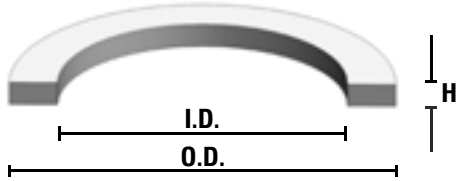
PART NUMBER	B NOMINAL ROD DIA. SEAL I.D.	A GROOVE DIAMETER	W SEAL WIDTH	G GROOVE WIDTH	E- MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
					1000 PSI	3000 PSI	5000 PSI	
BR302625	2-5/8	3.241 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	\$ 27.00
BR202750	2-3/4	3.171 +0.005/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	29.11
BR302750	2-3/4	3.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	27.29
BR203000	3	3.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	27.93
BR303000	3	3.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	29.22
BR303250	3-1/4	3.866 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	30.72
BR303500	3-1/2	4.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	31.85
BR303750	3-3/4	4.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	34.95
BR204000	4	4.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006	39.52
BR304000	4	4.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	40.71
BR404000	4	4.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	47.09
BR304250	4-1/4	4.844+0.005/-0	.235±.005	0.247+0.010/-0	0.020	0.010	0.008	49.83
BR304500	4-1/2	5.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	50.65
BR404500	4-1/2	5.330 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	51.15
BR304750	4-3/4	5.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	52.67
BR305000	5	5.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	55.37
BR405000	5	5.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	56.79
BR305250	5-1/4	5.866 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	61.32
BR305500	5-1/2	6.094 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	59.41
BR405500	5-1/2	6.330 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	61.23
BR305750	5-3/4	6.344 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	64.07
BR405750	5-3/4	6.580 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	61.92
BR306000	6	6.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	62.16
BR406000	6	6.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	65.27
BR306500	6-1/2	7.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	44.84
BR406500	6-1/2	7.307 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	75.34
BR306750	6-3/4	7.344 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	67.32
BR406750	6-3/4	7.580 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	71.04
BR307000	7	7.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	72.85
BR407000	7	7.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	78.30
BR407250	7-1/4	8.057 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	90.59
BR307500	7-1/2	8.116 +0.006/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	84.03
BR407500	7-1/2	8.307 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	91.79
BR308000	8	8.594 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	91.08
BR408000	8	8.807 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	95.96
BR408250	8-1/4	9.080 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	99.98
BR408500	8-1/2	9.307 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	104.27
BR309000	9	9.594 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008	104.78
BR409000	9	9.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	110.41
BR409500	9-1/2	10.307 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	113.80
BR410000	10	10.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	149.08
BR410500	10-1/2	11.307 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	174.37
BR411000	11	11.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	212.58
BR412000	12	12.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009	254.23

INCH



[SEAL INFORMATION]

RBS



MATERIAL 92A URETHANE

TEMPERATURE RANGE -65° TO +220° F

PRESSURE RANGE 0 TO 5,000 PSI

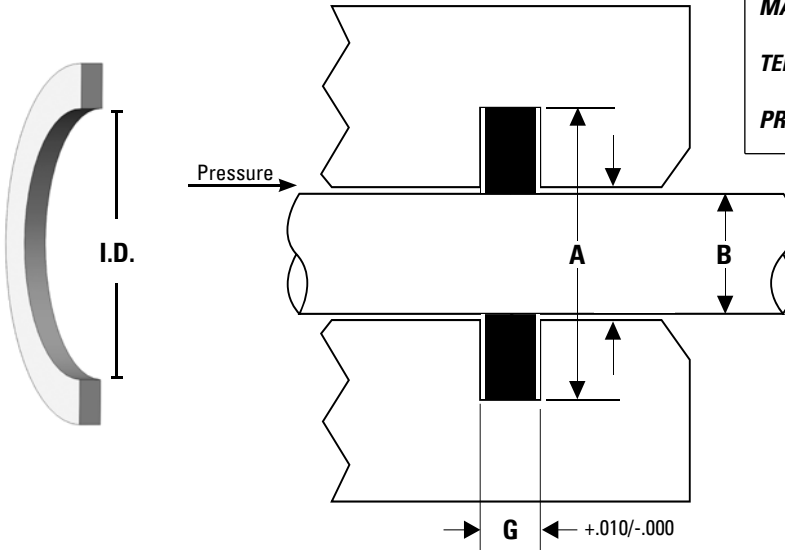
The RBS rod buffer seals are a rectangular urethane buffer ring designed to absorb pressure fluctuations, thereby protecting the primary rod seal. Some sizes include a radial and axial slot, which faces the pressure, to relieve back pressure between the primary and buffer seal. This simple design is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

PART NUMBER	I.D.	O.D.	H	LIST PRICE
RBS-1.25X1.62X0.12	1.250	1.620	0.118	\$ 10.85
RBS-1.50X2.00X0.12SL	1.500	2.000	0.118	4.33
RBS-1.75X2.25X0.12SL	1.750	2.250	0.118	4.65
RBS-2.00X2.50X0.12SL	2.000	2.500	0.118	5.12
RBS-2.25X2.87X0.19SL	2.250	2.870	0.190	7.04
RBS-2.50X3.12X0.19SL	2.500	3.120	0.190	6.20
RBS-3.00X3.62X0.19SL	3.000	3.620	0.190	11.29
RBS-4.00X4.38X0.19	4.000	4.380	0.190	4.49
RBS-4.50X5.22X0.17	4.500	5.220	0.170	15.80
RBS-6.00X6.72X0.17	6.000	6.720	0.170	20.07
RBS-7.50X8.22X0.17	7.500	8.220	0.170	21.46



[SEAL INFORMATION]

CTC



MATERIAL

92A URETHANE

TEMPERATURE RANGE

-65° TO +220° F

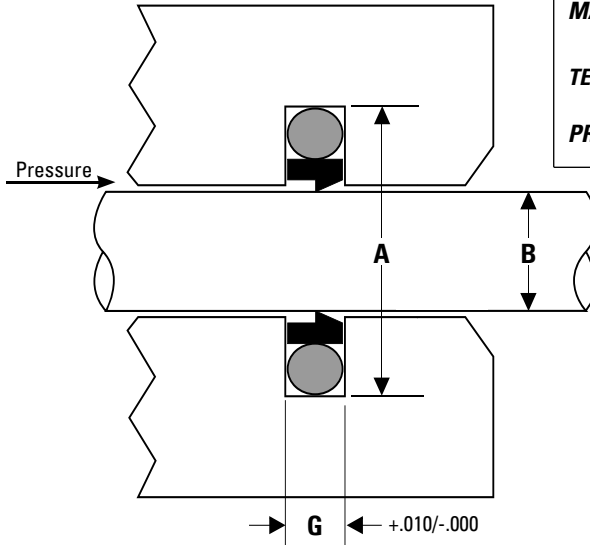
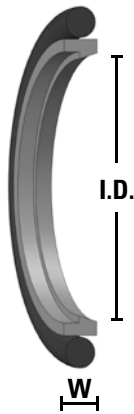
PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER	B NOMINAL ROD DIA. SEAL I.D.	A GROOVE DIAMETER	G GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
				1000 PSI	3000 PSI	5000 PSI	
CTC-5P4673	7/8	1.243	0.140	0.010	0.005	0.003	\$ 3.69
CTC-9J3497	1-1/4	1.783	0.140	0.010	0.005	0.003	3.56
CTC-6J9733	1-1/2	2.033	0.140	0.010	0.005	0.003	4.87
CTC-6J9178	1-3/4	2.283	0.140	0.010	0.005	0.003	4.69
CTC-4T6778	1-7/8	2.252	0.140	0.010	0.005	0.003	12.03
CTC-6J6917	2	2.533	0.140	0.010	0.005	0.003	5.69
CTC-4T6127	2-1/8	2.627	0.140	0.010	0.005	0.003	5.90
CTC-5J3616	2-1/4	2.891	0.220	0.012	0.006	0.004	5.90
CTC-6J6916	2-3/8	3.016	0.220	0.012	0.006	0.004	6.28
CTC-5J3620	2-1/2	3.141	0.220	0.012	0.006	0.004	6.45
CTC-1U4020	2-5/8	3.266	0.220	0.012	0.006	0.004	7.47
CTC-6J6553	2-3/4	3.391	0.220	0.012	0.006	0.004	6.83
CTC-6J6915	3	3.641	0.220	0.012	0.006	0.004	7.17
CTC-6J7167	3-1/4	3.891	0.220	0.012	0.006	0.004	7.72
CTC-6J6736	3-1/2	4.141	0.220	0.012	0.006	0.004	9.76
CTC-8J4627	4	4.641	0.220	0.012	0.006	0.004	16.81
CTC-7J8943	4-1/4	5.225	0.250	0.016	0.008	0.006	12.18
CTC-7J9257	4-3/4	5.725	0.250	0.016	0.008	0.006	13.71
CTC-8J4509	5	5.960	0.250	0.016	0.008	0.006	14.90
CTC-6J8631	6-1/2	7.502	0.250	0.016	0.008	0.006	18.32
CTC-9J2495	7	7.945	0.250	0.016	0.008	0.006	19.02

[SEAL INFORMATION]

CTC



MATERIAL

BRONZE FILLED PTFE SEAL
RUBBER ENERGIZER

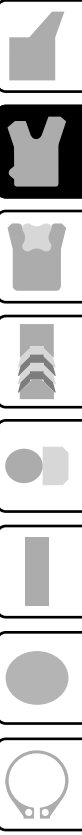
TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

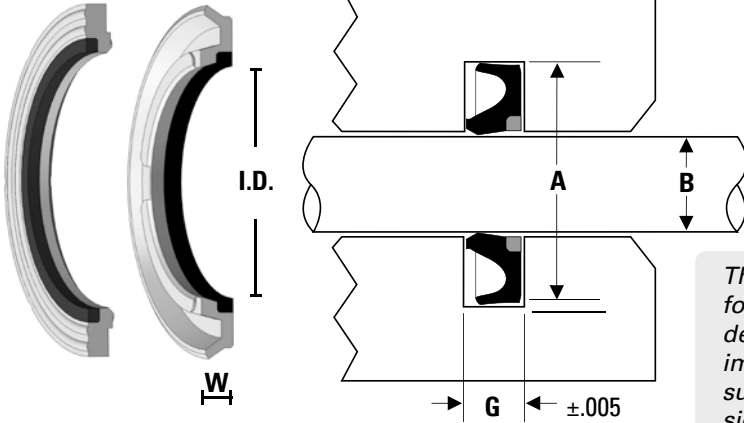
0 TO 5,000 PSI

PART NUMBER	B NOMINAL ROD DIA. SEAL I.D.	A GROOVE DIAMETER	G GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
				1000 PSI	3000 PSI	5000 PSI	
CTC-8C9122	1-1/2	2.033	0.140	0.012	0.006	0.004	\$ 12.95
CTC-8C9123	1-3/4	2.283	0.140	0.012	0.006	0.004	13.66
CTC-9X3566	1-7/8	2.252	0.140	0.012	0.006	0.004	14.09
CTC-8C9124	2	2.533	0.140	0.012	0.006	0.004	15.32
CTC-9X3568	2-1/8	2.627	0.140	0.012	0.006	0.004	17.04
CTC-8C9125	2-1/4	2.891	0.220	0.016	0.008	0.006	18.54
CTC-8C9138	2-3/8	3.016	0.220	0.016	0.008	0.006	20.45
CTC-8C3839	2-1/2	3.141	0.220	0.016	0.008	0.006	18.92
CTC-9T9363	2-5/8	3.266	0.220	0.016	0.008	0.006	24.53
CTC-8C3841	2-3/4	3.391	0.220	0.016	0.008	0.006	21.15
CTC-8C9126	3	3.641	0.220	0.016	0.008	0.006	21.77
CTC-8C9121	3-1/4	3.891	0.220	0.016	0.008	0.006	22.90
CTC-8C9127	3-1/2	4.141	0.220	0.016	0.008	0.006	24.97
CTC-8C9128	3-3/4	4.391	0.220	0.016	0.008	0.006	26.21
CTC-8C9129	4	4.641	0.220	0.016	0.008	0.006	27.65
CTC-6E0425	4-1/4	5.225	0.250	0.020	0.010	0.008	48.48
CTC-8C9144	4-1/2	5.475	0.250	0.020	0.010	0.008	48.15
CTC-9X7261	4-3/4	5.725	0.250	0.020	0.010	0.008	55.24
CTC-9X3581	5	5.930	0.250	0.020	0.010	0.008	63.57
CTC-9X3575	5-3/4	6.725	0.250	0.020	0.010	0.008	65.44
CTC-8C9145	6-3/4	7.695	0.250	0.020	0.010	0.008	70.56
CTC-8C9130	7	7.945	0.250	0.020	0.010	0.008	77.78



[SEAL INFORMATION]

CTC

**MATERIAL**URETHANE U-STYLE
POLYACETAL BACK-UP**TEMPERATURE RANGE**

-40° TO +230° F

PRESSURE RANGE

0 TO 8,000 PSI

PART NUMBER

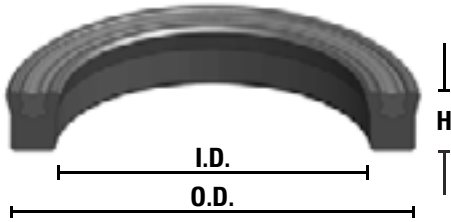
(Prefix) - (O-Ring CS) (Inside Dia.)

These lip-type buffers are an upgraded design for replacement in Caterpillar cylinders. This new design offers enhanced capabilities, such as improved high temperature service, and provides superior high pressure service using the anti-extrusion ring behind the dynamic lip, and a flexible static lip (to prevent pressure trapping.)

PART NUMBER	B NOMINAL ROD DIA. SEAL I.D.	A GROOVE DIAMETER	G GROOVE WIDTH	MAXIMUM DIAMETRICAL CLEARANCE			LIST PRICE
				1000 PSI	3000 PSI	5000 PSI	
CTC-1672186	1-1/2	2.033	0.140	0.012	0.006	0.004	\$ 5.72
CTC-1672190	1-3/4	2.283	0.140	0.012	0.006	0.004	5.77
CTC-1672191	1-3/4	2.390	0.220	0.012	0.006	0.004	14.83
CTC-1672192	1-7/8	2.252	0.140	0.012	0.006	0.004	6.91
CTC-1672195	2	2.533	0.140	0.012	0.006	0.004	6.36
CTC-1672198	2-1/8	2.627	0.140	0.012	0.006	0.004	7.38
CTC-1672200	2-1/4	2.891	0.220	0.016	0.008	0.006	7.12
CTC-1672202	2-3/8	3.016	0.220	0.016	0.008	0.006	7.66
CTC-1672201	2-1/2	3.141	0.220	0.016	0.008	0.006	7.74
CTC-1672207	2-3/4	3.391	0.220	0.016	0.008	0.006	9.22
CTC-1672208	3	3.641	0.220	0.024	0.016	0.006	9.56
CTC-1672209	3-1/4	3.891	0.220	0.024	0.022	0.006	10.24
CTC-1672211	3-1/2	4.141	0.220	0.024	0.022	0.006	11.63
CTC-1672214	3-3/4	4.390	0.220	0.024	0.022	0.006	10.94
CTC-1672216	4	4.641	0.220	0.024	0.022	0.006	11.88
CTC-1672218	4-1/4	5.225	0.220	0.024	0.022	0.006	45.18

[SEAL INFORMATION]

P



MATERIAL

93A URETHANE,
QUAD RING EXPANDER

TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix)(CS) - (Inside Dia) - (Height)



STANDARD

Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip. Typical Part Number: P25-2.50



DEEP

Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a rectangular shape. Typical Part Number: P25-2.50-37



SQB

Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50SQB



TYPE B

Same dimensions as the Deep seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50-37B

Polyseal U-seals are molded from tough, abrasion-resistant 93A polyurethane. The four-lobed expander ring energizes the sealing lips, even at zero pressure, to help prevent "weeping" when the system is idle. Hi-Temp SKF® 93A urethane and premium SKF® 95A urethane available on request.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-0.12	1/8	3/8	1/8	\$ 3.14
P12-0.12SQB	1/8	3/8	1/8	3.59
P12-0.12-25B	1/8	3/8	1/4	4.37
P12-0.18	3/16	7/16	1/8	3.59
P12-0.18SQB	3/16	7/16	1/8	4.12
P12-0.18-25	3/16	7/16	1/4	4.72
P12-0.18-25B	3/16	7/16	1/4	3.36
P12-0.25	1/4	1/2	1/8	3.43
P12-0.25SQB	1/4	1/2	1/8	3.26
P12-0.25-25	1/4	1/2	1/4	4.49
P12-0.25-25B	1/4	1/2	1/4	3.48
P12-0.31	5/16	9/16	1/8	3.43
P12-0.31SQB	5/16	9/16	1/8	3.26
P12-0.31-18	5/16	9/16	3/16	5.36
P12-0.31-25B	5/16	9/16	1/4	3.73
P12-0.37	3/8	5/8	1/8	3.43
P12-0.37SQB	3/8	5/8	1/8	3.26
P12-0.37-25B	3/8	5/8	1/4	3.82
P12-0.43	7/16	11/16	1/8	3.43
P12-0.43SQB	7/16	11/16	1/8	3.26
P12-0.43-25	7/16	11/16	1/4	5.04
P12-0.43-25B	7/16	11/16	1/4	4.67
P12-0.43-37B	7/16	11/16	3/8	5.32
P12-0.50	1/2	3/4	1/8	3.26
P12-0.50SQB	1/2	3/4	1/8	3.26
P12-0.50-25	1/2	3/8	1/4	5.19
P12-0.50-25B	1/2	3/4	1/4	3.78
P12-0.56	9/16	13/16	1/8	3.64
P12-0.56SQB	9/16	13/16	1/8	3.47
P12-0.56-25B	9/16	13/16	1/4	5.27

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-0.62	5/8	7/8	1/8	\$ 3.34
P12-0.62SQB	5/8	7/8	1/8	3.34
P12-0.62-17B	5/8	7/8	3/16	5.37
P12-0.62-25	5/8	7/8	1/4	4.75
P12-0.62-25B	5/8	7/8	1/4	3.92
P12-0.68	11/16	15/16	1/8	3.96
P12-0.68SQB	11/16	15/16	1/8	4.73
P12-0.68-25	11/16	15/16	1/4	5.57
P12-0.68-25B	11/16	15/16	1/4	3.98
P12-0.75	3/4	1	1/8	3.64
P12-0.75SQB	3/4	1	1/8	3.47
P12-0.75-18	3/4	1	3/16	4.52
P12-0.75-18B	3/4	1	3/16	4.27
P12-0.75-25	3/4	1	1/4	4.52
P12-0.75-25B	3/4	1	1/4	4.07
P12-0.81	13/16	1-1/16	1/8	3.78
P12-0.81SQB	13/16	1-1/16	1/8	3.78
P12-0.81-25B	13/16	1-1/16	1/4	4.35
P12-0.87	7/8	1-1/8	1/8	3.82
P12-0.87SQB	7/8	1-1/8	1/8	3.62
P12-0.87-25	7/8	1-1/8	1/4	4.78
P12-0.93	15/16	1-3/16	1/8	4.45
P12-0.93SQB	15/16	1-3/16	1/8	3.88
P12-0.93-25B	15/16	1-3/16	1/4	5.59
P12-1.00	1	1-1/4	1/8	3.98
P12-1.00SQB	1	1-1/4	1/8	3.78
P12-1.00-18B	1	1-1/4	3/16	6.00
P12-1.00-25	1	1-1/4	1/4	4.64
P12-1.00-25B	1	1-1/4	1/4	4.40
P12-1.06	1-1/16	1-5/16	1/8	4.47



POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-1.06SQB	1-1/16	1-5/16	1/8	\$ 4.88
P12-1.06-25B	1-1/16	1-5/16	1/4	4.46
P12-1.12	1-1/8	1-3/8	1/8	5.24
P12-1.12SQB	1-1/8	1-3/8	1/8	3.93
P12-1.12-18	1-1/8	1-3/8	3/16	5.98
P12-1.12-25	1-1/8	1-3/8	1/4	6.28
P12-1.12-25B	1-1/8	1-3/8	1/4	4.57
P12-1.18	1-3/16	1-7/16	1/8	4.40
P12-1.18SQB	1-3/16	1-7/16	1/8	3.99
P12-1.18-18B	1-3/16	1-7/16	3/16	5.36
P12-1.18-25	1-3/16	1-7/16	1/4	6.67
P12-1.18-25B	1-3/16	1-7/16	1/4	5.36
P12-1.25	1-1/4	1-1/2	1/8	4.31
P12-1.25SQB	1-1/4	1-1/2	1/8	4.11
P12-1.25-18B	1-1/4	1-1/2	3/16	5.27
P12-1.25-25	1-1/4	1-1/2	1/4	5.55
P12-1.25-25B	1-1/4	1-1/2	1/4	4.76
P12-1.31	1-5/16	1-9/16	1/8	4.57
P12-1.31SQB	1-5/16	1-9/16	1/8	5.41
P12-1.31-18B	1-5/16	1-9/16	3/16	5.36
P12-1.31-25	1-5/16	1-9/16	1/4	7.32
P12-1.37	1-3/8	1-5/8	1/8	4.23
P12-1.37SQB	1-3/8	1-5/8	1/8	4.45
P12-1.37-18	1-3/8	1-5/8	3/16	5.47
P12-1.37-25	1-3/8	1-5/8	1/4	6.07
P12-1.37-25B	1-3/8	1-5/8	1/4	5.17
P12-1.43	1-7/16	1-11/16	1/8	4.96
P12-1.43SQB	1-7/16	1-11/16	1/8	5.67
P12-1.43-25	1-7/16	1-11/16	1/4	7.62
P12-1.43-25B	1-7/16	1-11/16	1/4	6.90
P12-1.50	1-1/2	1-3/4	1/8	4.62
P12-1.50SQB	1-1/2	1-3/4	1/8	4.62
P12-1.50-18B	1-1/2	1-3/4	3/16	5.25
P12-1.50-25	1-1/2	1-3/4	1/4	6.65
P12-1.50-25B	1-1/2	1-3/4	1/4	5.25
P12-1.50-31	1-1/2	1-3/4	5/16	6.77
P12-1.56	1-9/16	1-13/16	1/8	6.79
P12-1.62	1-5/8	1-7/8	1/8	4.60
P12-1.68	1-11/16	1-5/16	1/8	11.38
P12-1.75	1-3/4	2	1/8	5.17
P12-1.75SQB	1-3/4	2	1/8	5.17
P12-1.75-25	1-3/4	2	1/4	6.80
P12-1.75-25B	1-3/4	2	1/4	6.21
P12-1.87	1-7/8	2-1/8	1/8	5.54
P12-1.87-37B	1-7/8	2-1/8	3/8	5.87
P12-2.00	2	2-1/4	1/8	5.67
P12-2.00-25	2	2-1/4	1/4	8.44
P12-2.00-25B	2	2-1/4	1/4	7.11
P12-2.12	2-1/8	2-3/8	1/8	5.81
P12-2.12-25	2-1/8	2-3/8	1/4	8.95

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-2.12-37	2-1/8	2-3/8	3/8	\$ 8.95
P12-2.25	2-1/4	2-1/2	1/8	5.96
P12-2.25-37	2-1/4	2-1/2	3/8	7.62
P12-2.37	2-3/8	2-5/8	1/8	7.22
P12-2.37-18B	2-3/8	2-5/8	3/16	7.25
P12-2.50	2-1/2	2-3/4	1/8	6.26
P12-2.50SQB	2-1/2	2-3/4	1/8	6.26
P12-2.50-25	2-1/2	2-3/4	1/4	9.45
P12-2.50-25B	2-1/2	2-3/4	1/4	7.94
P12-2.62	2-5/8	2-3/4	1/8	6.17
P12-2.75	2-3/4	3	1/8	6.68
P12-2.75-25B	2-3/4	3	1/4	9.61
P12-2.75-37B	2-3/4	3	3/8	8.56
P12-2.87	2-7/8	3-1/8	1/8	8.13
P12-3.00	3	3-1/4	1/8	7.11
P12-3.00-25	3	3-1/4	1/4	10.66
P12-3.00-37B	3	3-1/4	3/8	10.61
P12-3.12	3-1/8	3-3/8	1/8	7.51
P12-3.25	3-1/4	3-1/2	1/8	7.80
P12-3.50	3-1/2	3-3/4	1/8	9.30
P12-3.50-37	3-1/2	3-3/4	3/8	9.68
P12-3.62-18B	3-5/8	3-7/8	3/16	9.02
P12-3.75	3-3/4	4	1/8	11.87
P12-3.75-25B	3-3/4	4	1/4	9.32
P12-4.00	4	4-1/4	1/8	12.31
P12-4.00SQB	4	4-1/4	1/8	9.94
P12-4.25	4-1/4	4-1/2	1/8	9.87
P12-4.37	4-3/8	4-5/8	1/8	14.09
P12-4.50	4-3/8	4-5/8	1/8	16.92
P12-4.50-18B	4-1/2	4-3/4	1/8	12.02
P12-4.75	4-3/4	5	1/8	16.25
P12-4.75-25B	4-3/4	5	1/4	12.69
P12-5.00-25B	5	5-1/4	1/4	13.34
P12-5.75	5-3/4	6	1/8	18.21
5/32" C/S				
P15-0.50	1/2	13/16	5/32	\$ 4.61
P15-0.62	5/8	15/16	5/32	4.61
P15-0.75	3/4	1-1/16	5/32	4.42
P15-1.00	1	1-5/16	5/32	4.65
P15-1.00SQB	1	1-5/16	5/32	5.30
P15-1.00-21B	1	1-5/16	.218	4.81
P15-1.00-23B	1	1-5/16	.234	4.81
P15-1.12	1-1/8	1-7/16	5/32	5.09
P15-1.18	1-3/16	1-1/2	5/32	4.74
P15-1.18SQB	1-3/16	1-1/2	5/32	4.99
P15-1.25	1-1/4	1-9/16	5/32	5.29
P15-1.37	1-3/8	1-11/16	5/32	5.24
P15-1.37SQB	1-3/8	1-11/16	5/32	5.99
P15-1.37-21B	1-3/8	1-11/16	.234	6.62

INCH



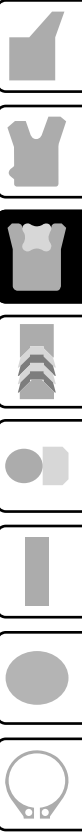
POLYSEAL U-SEALS

47

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/32" C/S				
P15-1.43	1-7/16	1-3/4	5/32	\$ 6.12
P15-1.50-31B	1-1/2	1-13/16	5/16	7.22
3/16" C/S				
P18-0.18	3/16	9/16	3/16	\$ 3.96
P18-0.18SQB	3/16	9/16	3/16	4.66
P18-0.25	1/4	5/8	3/16	3.75
P18-0.25SQB	1/4	5/8	3/16	3.41
P18-0.31	5/16	11/16	3/16	4.30
P18-0.31SQB	5/16	11/16	3/16	3.58
P18-0.31-31B	5/16	11/16	5/16	4.74
P18-0.37	3/8	3/4	3/16	3.58
P18-0.37SQB	3/8	3/4	3/16	3.75
P18-0.37-25	3/8	3/4	1/4	3.79
P18-0.37-31	3/8	3/4	5/16	5.12
P18-0.37-31B	3/8	3/4	5/16	3.97
P18-0.43	7/16	13/16	3/16	3.96
P18-0.50	1/2	7/8	3/16	3.75
P18-0.50SQB	1/2	7/8	3/16	3.96
P18-0.50-31B	1/2	7/8	5/16	3.77
P18-0.56	9/16	15/16	3/16	4.03
P18-0.56-31B	9/16	15/16	5/16	5.30
P18-0.62	5/8	1	3/16	3.99
P18-0.62SQB	5/8	1	3/16	3.63
P18-0.62-31	5/8	1	5/16	5.54
P18-0.62-31B	5/8	1	5/16	4.03
P18-0.68	11/16	1-1/16	3/16	4.70
P18-0.68-31B	11/16	1-1/16	5/16	4.32
P18-0.75	3/4	1-1/8	3/16	4.01
P18-0.75SQB	3/4	1-1/8	3/16	3.82
P18-0.75-31	3/4	1-1/8	5/16	5.57
P18-0.75-31B	3/4	1-1/8	5/16	4.44
P18-0.81	13/16	1-3/16	3/16	4.52
P18-0.81-31B	13/16	1-3/16	5/16	4.52
P18-0.87	7/8	1-1/4	3/16	4.45
P18-0.87SQB	7/8	1-1/4	3/16	4.45
P18-0.87-31	7/8	1-1/4	5/16	5.65
P18-0.87-31B	7/8	1-1/4	5/16	4.65
P18-0.93	15/16	1-5/16	3/16	4.76
P18-0.93-31B	15/16	1-5/16	5/16	5.04
P18-1.00	1	1-3/8	3/16	4.42
P18-1.00SQB	1	1-3/8	3/16	4.21
P18-1.00-25B	1	1-3/8	1/4	4.94
P18-1.00-31	1	1-3/8	5/16	5.47
P18-1.00-31B	1	1-3/8	5/16	4.70
P18-1.00-37B	1	1-3/8	3/8	5.43
P18-1.06	1-1/16	1-7/16	3/16	4.99
P18-1.06SQB	1-1/16	1-7/16	3/16	4.99
P18-1.06-31B	1-1/16	1-7/16	5/16	5.72
P18-1.12	1-1/8	1-1/2	3/16	4.86
P18-1.12SQB	1-1/8	1-1/2	3/16	4.41

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
P18-1.12-25B	1-1/8	1-1/2	1/4	\$ 5.15
P18-1.12-31	1-1/8	1-1/2	5/16	5.72
P18-1.12-31B	1-1/8	1-1/2	5/16	4.93
P18-1.12-37B	1-1/8	1-1/2	3/8	4.93
P18-1.18	1-3/16	1-9/16	3/16	5.23
P18-1.18SQB	1-3/16	1-9/16	3/16	6.17
P18-1.18-25B	1-3/16	1-9/16	1/4	5.56
P18-1.18-31	1-3/16	1-9/16	5/16	7.05
P18-1.18-31B	1-3/16	1-9/16	5/16	6.55
P18-1.25	1-1/4	1-5/8	3/16	4.80
P18-1.25SQB	1-1/4	1-5/8	3/16	4.59
P18-1.25-25B	1-1/4	1-5/8	1/4	5.30
P18-1.25-26B	1-1/4	1-5/8	.266	5.07
P18-1.25-31	1-1/4	1-5/8	5/16	5.88
P18-1.25-31B	1-1/4	1-5/8	5/16	5.07
P18-1.25-37	1-1/4	1-5/8	3/8	6.41
P18-1.25-37B	1-1/4	1-5/8	3/8	5.30
P18-1.31	1-5/16	1-11/16	3/16	5.43
P18-1.31-31	1-5/16	1-11/16	5/16	7.03
P18-1.31-31B	1-5/16	1-11/16	5/16	5.18
P18-1.37	1-3/8	1-3/4	3/16	5.25
P18-1.37SQB	1-3/8	1-3/4	3/16	4.75
P18-1.37-25B	1-3/8	1-3/4	1/4	5.57
P18-1.37-31	1-3/8	1-3/4	5/16	6.00
P18-1.37-31B	1-3/8	1-3/4	5/16	5.30
P18-1.37-37B	1-3/8	1-3/4	3/8	5.57
P18-1.43	1-7/16	1-13/16	3/16	5.29
P18-1.43-31	1-7/16	1-13/16	5/16	6.92
P18-1.43-31B	1-7/16	1-13/16	5/16	7.32
P18-1.50	1-1/2	1-7/8	3/16	5.12
P18-1.50SQB	1-1/2	1-7/8	3/16	4.88
P18-1.50-25B	1-1/2	1-7/8	1/4	5.42
P18-1.50-26B	1-1/2	1-7/8	17/64	6.26
P18-1.50-28	1-1/2	1-7/8	9/32	7.43
P18-1.50-29B	1-1/2	1-7/8	9/32	7.38
P18-1.50-31B	1-1/2	1-7/8	5/16	5.68
P18-1.50-37	1-1/2	1-7/8	3/8	5.45
P18-1.50-37B	1-1/2	1-7/8	3/8	5.42
P18-1.56	1-9/16	1-15/16	3/16	6.88
P18-1.56SQB	1-9/16	1-15/16	3/16	6.55
P18-1.56-37B	1-9/16	1-15/16	3/8	6.22
P18-1.62	1-5/8	2	3/16	5.36
P18-1.62SQB	1-5/8	2	3/16	5.09
P18-1.62-25B	1-5/8	2	1/4	6.06
P18-1.62-31B	1-5/8	2	5/16	6.06
P18-1.62-37	1-5/8	2	3/8	6.40
P18-1.62-37B	1-5/8	2	3/8	5.77
P18-1.68	1-11/16	2-1/16	3/16	5.96
P18-1.68-37	1-11/16	2-1/16	3/8	8.97
P18-1.75	1-3/4	2-1/8	3/16	5.43



INCH



POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
P18-1.75SQB	1-3/4	2-1/8	3/16	\$ 5.17
P18-1.75-25B	1-3/4	2-1/8	1/4	6.41
P18-1.75-26B	1-3/4	2-1/8	17/64	7.70
P18-1.75-27	1-3/4	2-1/8	17/64	7.26
P18-1.75-31	1-3/4	2-1/8	5/16	7.12
P18-1.75-31B	1-3/4	2-1/8	5/16	6.41
P18-1.75-37	1-3/4	2-1/8	3/8	6.77
P18-1.75-37B	1-3/4	2-1/8	3/8	6.11
P18-1.87	1-7/8	2-1/4	3/16	5.85
P18-1.87SQB	1-7/8	2-1/4	3/16	5.57
P18-1.87-25	1-7/8	2-1/4	1/4	7.68
P18-1.87-26B	1-7/8	2-1/4	17/64	7.14
P18-1.87-37	1-7/8	2-1/4	3/8	7.55
P18-1.87-37B	1-7/8	2-1/4	3/8	6.46
P18-1.93-37	1-5/16	2-5/16	3/8	9.30
P18-2.00	2	2-3/8	3/16	5.68
P18-2.00SQB	2	2-3/8	3/16	5.42
P18-2.00-23B	2	2-3/8	15/64	7.51
P18-2.00-25B	2	2-3/8	1/4	7.51
P18-2.00-27	2	2-3/8	.270	7.93
P18-2.00-31B	2	2-3/8	5/16	6.80
P18-2.00-37	2	2-3/8	3/8	7.93
P18-2.00-37B	2	2-3/8	3/8	6.80
P18-2.06	2-1/16	2-7/16	3/16	6.43
P18-2.12	2-1/8	2-1/2	3/16	5.59
P18-2.12SQB	2-1/8	2-1/2	3/16	5.59
P18-2.12-25B	2-1/8	2-1/2	1/4	7.07
P18-2.12-26B	2-1/8	2-1/2	.266	7.07
P18-2.12-31	2-1/8	2-1/2	5/16	10.19
P18-2.12-31B	2-1/8	2-1/2	5/16	7.80
P18-2.12-37	2-1/8	2-1/2	3/8	8.24
P18-2.12-37B	2-1/8	2-1/2	3/8	7.07
P18-2.18-37	2-3/16	2-9/16	3/8	10.77
P18-2.18-37B	2-3/16	2-9/16	3/8	8.49
P18-2.25	2-1/4	2-5/8	3/16	6.25
P18-2.25SQB	2-1/4	2-5/8	3/16	5.95
P18-2.25-31B	2-1/4	2-5/8	5/16	8.42
P18-2.25-37	2-1/4	2-5/8	3/8	9.85
P18-2.25-37B	2-1/4	2-5/8	3/8	7.64
P18-2.37	2-3/8	2-3/4	3/16	6.11
P18-2.37SQB	2-3/8	2-3/4	3/16	5.82
P18-2.37-25B	2-3/8	2-3/4	1/4	8.73
P18-2.37-26B	2-3/8	2-3/4	.266	7.93
P18-2.37-37	2-3/8	2-3/4	3/8	10.53
P18-2.37-37B	2-3/8	2-3/4	3/8	8.73
P18-2.37-50B	2-3/8	2-3/4	1/2	9.98
P18-2.50	2-1/2	2-7/8	3/16	6.48
P18-2.50SQB	2-1/2	2-7/8	3/16	6.17
P18-2.50-25B	2-1/2	2-7/8	1/4	9.53
P18-2.50-26B	2-1/2	2-7/8	.266	9.55

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
P18-2.50-31B	2-1/2	2-7/8	5/16	\$ 8.63
P18-2.50-37	2-1/2	2-7/8	3/8	9.30
P18-2.50-37B	2-1/2	2-7/8	3/8	8.22
P18-2.62	2-5/8	3	3/16	6.45
P18-2.62SQB	2-5/8	3	3/16	6.14
P18-2.62-25B	2-5/8	3	1/4	9.42
P18-2.62-28B	2-5/8	3	9/32	9.42
P18-2.62-37	2-5/8	3	3/8	9.48
P18-2.62-37B	2-5/8	3	3/8	8.56
P18-2.75	2-3/4	3-1/8	3/16	7.06
P18-2.75SQB	2-3/4	3-1/8	3/16	6.73
P18-2.75-28B	2-3/4	3-5/16	9/32	12.95
P18-2.75-37	2-3/4	3-1/8	3/8	11.56
P18-2.75-37B	2-3/4	3-1/8	3/8	9.39
P18-2.87	2-7/8	3-1/4	3/16	6.93
P18-2.87SQB	2-7/8	3-1/4	3/16	6.93
P18-2.87-25B	2-7/8	3-1/4	1/4	10.17
P18-2.87-37	2-7/8	3-1/4	3/8	10.75
P18-2.87-37B	2-7/8	3-1/4	3/8	10.17
P18-3.00	3	3-3/8	3/16	7.51
P18-3.00SQB	3	3-3/8	3/16	7.51
P18-3.00-25	3	3-3/8	1/4	13.85
P18-3.00-31B	3	3-3/8	5/16	10.45
P18-3.00-37	3	3-3/8	3/8	12.86
P18-3.00-37B	3	3-3/8	3/8	10.45
P18-3.12	3-1/8	3-1/2	3/16	8.00
P18-3.12SQB	3-1/8	3-1/2	3/16	7.62
P18-3.12-25B	3-1/8	3-1/2	1/4	10.11
P18-3.12-31B	3-1/8	3-1/2	5/16	13.00
P18-3.12-37	3-1/8	3-1/2	3/8	11.92
P18-3.12-37B	3-1/8	3-1/2	3/8	10.61
P18-3.25	3-1/4	3-5/8	3/16	8.44
P18-3.25-37	3-1/4	3-5/8	3/8	14.63
P18-3.25-37B	3-1/4	3-5/8	3/8	11.76
P18-3.37	3-3/8	3-3/4	3/16	8.97
P18-3.37SQB	3-3/8	3-3/4	3/16	9.41
P18-3.37-25B	3-3/8	3-3/4	1/4	14.88
P18-3.37-37	3-3/8	3-3/4	3/8	15.52
P18-3.37-37B	3-3/8	3-3/4	3/8	12.41
P18-3.50	3-1/2	3-7/8	3/16	9.83
P18-3.50SQB	3-1/2	3-7/8	3/16	9.37
P18-3.50-31B	3-1/2	3-7/8	5/16	14.92
P18-3.50-37	3-1/2	3-7/8	3/8	15.77
P18-3.50-37B	3-1/2	3-7/8	3/8	11.83
P18-3.62	3-5/8	4	3/16	9.39
P18-3.62SQB	3-5/8	4	3/16	8.95
P18-3.62-37	3-5/8	4	3/8	13.14
P18-3.62-37B	3-5/8	4	3/8	13.05
P18-3.75	3-3/4	4-1/8	3/16	10.31
P18-3.75SQB	3-3/4	4-1/8	3/16	12.37

INCH



POLYSEAL U-SEALS

49

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
P18-3.75-37	3-3/4	4-1/8	3/8	\$ 18.87
P18-3.75-37B	3-3/4	4-1/8	3/8	13.66
P18-3.87	3-7/8	4-1/4	3/16	12.32
P18-3.87-37B	3-7/8	4-1/4	3/8	14.49
P18-4.00	4	4-3/8	3/16	11.79
P18-4.00SQB	4	4-3/8	3/16	11.79
P18-4.00-37B	4	4-3/8	3/8	14.58
P18-4.12	4-1/8	4-1/2	3/16	12.50
P18-4.12SQB	4-1/8	4-1/2	3/16	13.61
P18-4.12-25	4-1/8	4-1/2	1/4	20.89
P18-4.12-37	4-1/8	4-1/2	3/8	17.71
P18-4.12-37B	4-1/8	4-1/2	3/8	19.77
P18-4.25	4-1/4	4-5/8	3/16	12.41
P18-4.25-37B	4-1/4	4-5/8	3/8	18.13
P18-4.37	4-3/8	4-3/4	3/16	12.69
P18-4.37-37	4-3/8	4-3/4	3/8	20.54
P18-4.37-37B	4-3/8	4-3/4	3/8	17.01
P18-4.50	4-1/2	4-7/8	3/16	13.67
P18-4.50-31B	4-1/2	4-7/8	5/16	22.23
P18-4.50-37	4-1/2	4-7/8	3/8	22.36
P18-4.50-37B	4-1/2	4-7/8	3/8	17.64
P18-4.62	4-5/8	5	3/16	16.82
P18-4.62-37	4-5/8	5	3/8	22.85
P18-4.75	4-3/4	5-1/8	3/16	17.48
P18-4.75-37B	4-3/4	5-1/8	3/8	21.11
P18-4.87	4-7/8	5-1/4	3/16	17.96
P18-5.00	5	5-3/8	3/16	15.83
P18-5.00-31	5	5-3/8	5/16	21.75
P18-5.00-37	5	5-3/8	3/8	22.41
P18-5.00-37B	5	5-3/8	3/8	24.24
P18-5.25-37B	5-1/4	5-5/8	3/8	30.13
P18-5.50	5-1/2	5-7/8	3/16	17.59
P18-5.50-37B	5-1/2	5-7/8	3/8	27.93
P18-5.62-37B	5-5/8	6	3/8	28.53
P18-5.75-37	5-3/4	6-1/8	3/8	33.30
P18-5.75-37B	5-3/4	6-1/8	3/8	26.83
P18-6.00	6	6-3/8	3/16	22.82
P18-6.00-37B	6	6-3/8	3/16	21.05
P18-6.25-31B	6-1/4	6-5/8	5/16	37.46
7/32" C/S				
P21-0.31	5/16	3/4	7/32	\$ 4.10
P21-2.50	2-1/2	2-15/16	7/32	8.47
P21-2.50SQB	2-1/2	2-15/16	7/32	10.48
P21-2.50-28B	2-1/2	2-15/16	9/32	10.63
P21-2.56SQB	2-9/16	3	7/32	10.75
P21-2.81	2-13/16	3-1/4	7/32	9.99
P21-3.00	3	3-7/16	7/32	10.56
P21-3.00SQB	3	3-7/16	7/32	10.56
P21-5.43-56B	3-7/16	3-7/8	9/16	24.68

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-0.25	1/4	3/4	1/4	\$ 5.14
P25-0.31	5/16	13/16	1/4	5.14
P25-0.37	3/8	7/8	1/4	4.90
P25-0.43	7/16	15/16	1/4	5.14
P25-0.43-37	7/16	15/16	3/8	6.80
P25-0.43-37B	7/16	15/16	3/8	5.37
P25-0.50	1/2	1	1/4	4.90
P25-0.50SQB	1/2	1	1/4	4.67
P25-0.50-37	1/2	1	3/8	6.67
P25-0.50-37B	1/2	1	3/8	5.62
P25-0.56	9/16	1-1/16	1/4	5.14
P25-0.56-31	9/16	1-1/16	5/16	7.15
P25-0.62	5/8	1-1/8	1/4	4.67
P25-0.62-37	5/8	1-1/8	3/8	6.16
P25-0.62-37B	5/8	1-1/8	3/8	5.10
P25-0.68	11/16	1-3/16	1/4	5.14
P25-0.68-37B	11/16	1-3/16	3/8	5.10
P25-0.75	3/4	1-1/4	1/4	4.45
P25-0.75SQB	3/4	1-1/4	1/4	4.67
P25-0.75-37	3/4	1-1/4	3/8	6.16
P25-0.75-37B	3/4	1-1/4	3/8	5.10
P25-0.81	13/16	1-5/16	1/4	5.17
P25-0.81-37B	13/16	1-5/16	3/8	5.43
P25-0.87	7/8	1-3/8	1/4	5.00
P25-0.87SQB	7/8	1-3/8	1/4	5.25
P25-0.87-37	7/8	1-3/8	3/8	6.48
P25-0.87-37B	7/8	1-3/8	3/8	5.27
P25-0.93	15/16	1-7/16	1/4	5.04
P25-1.00	1	1-1/2	1/4	4.61
P25-1.00SQB	1	1-1/2	1/4	4.61
P25-1.00-31	1	1-1/2	5/16	5.65
P25-1.00-37	1	1-1/2	3/8	5.65
P25-1.00-37B	1	1-1/2	3/8	5.09
P25-1.06	1-1/16	1-9/16	1/4	5.18
P25-1.12	1-1/8	1-5/8	1/4	5.00
P25-1.12SQB	1-1/8	1-5/8	1/4	5.00
P25-1.12-37	1-1/8	1-5/8	3/8	6.79
P25-1.12-37B	1-1/8	1-5/8	3/8	5.52
P25-1.18	1-3/16	1-11/16	1/4	5.29
P25-1.25	1-1/4	1-3/4	1/4	4.86
P25-1.25SQB	1-1/4	1-3/4	1/4	4.86
P25-1.25-37	1-1/4	1-3/4	3/8	5.87
P25-1.25-37B	1-1/4	1-3/4	3/8	5.29
P25-1.31	1-5/16	1-13/16	1/4	5.83
P25-1.31-37B	1-5/16	1-13/16	3/8	6.60
P25-1.37	1-3/8	1-7/8	1/4	5.80
P25-1.37SQB	1-3/8	1-7/8	1/4	5.52
P25-1.37-37	1-3/8	1-7/8	3/8	6.35
P25-1.37-37B	1-3/8	1-7/8	3/8	6.98
P25-1.43	1-7/16	1-15/16	1/4	6.22



INCH



POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-1.43-37B	1-7/16	1-15/16	3/8	\$ 6.00
P25-1.50	1-1/2	2	1/4	5.52
P25-1.50SQB	1-1/2	2	1/4	5.52
P25-1.50-31B	1-1/2	2	5/16	7.52
P25-1.50-37	1-1/2	2	3/8	6.32
P25-1.50-37B	1-1/2	2	3/8	6.27
P25-1.50-50B	1-1/2	2	1/2	6.92
P25-1.56SQB	1-9/16	2-1/16	1/4	5.73
P25-1.56-31B	1-9/16	2-1/16	5/16	9.55
P25-1.62	1-5/8	2-1/8	1/4	6.46
P25-1.62-37	1-5/8	2-1/8	3/8	7.84
P25-1.62-37B	1-5/8	2-1/8	3/8	6.82
P25-1.75	1-3/4	2-1/4	1/4	6.17
P25-1.75SQB	1-3/4	2-1/4	1/4	6.19
P25-1.75-31B	1-3/4	2-1/4	5/16	7.19
P25-1.75-37	1-3/4	2-1/4	3/8	6.89
P25-1.75-37B	1-3/4	2-1/4	3/8	6.84
P25-1.75-50	1-3/4	2-1/4	1/2	8.68
P25-1.87	1-7/8	2-3/8	1/4	7.16
P25-1.87-37	1-7/8	2-3/8	3/8	9.72
P25-1.87-37B	1-7/8	2-3/8	3/8	7.52
P25-2.00	2	2-1/2	1/4	6.84
P25-2.00SQB	2	2-1/2	1/4	6.84
P25-2.00-31B	2	2-1/2	5/16	7.84
P25-2.00-37	2	2-1/2	3/8	7.51
P25-2.00-37B	2	2-1/2	3/8	7.46
P25-2.00-50B	2	2-1/2	1/2	7.46
P25-2.12	2-1/8	2-5/8	1/4	8.35
P25-2.12-37B	2-1/8	2-5/8	3/8	8.35
P25-2.18-37B	2-3/16	2-11/16	3/8	8.19
P25-2.25	2-1/4	2-3/4	1/4	8.30
P25-2.25SQB	2-1/4	2-3/4	1/4	7.90
P25-2.25-37	2-1/4	2-3/4	3/8	8.46
P25-2.25-37B	2-1/4	2-3/4	3/8	8.40
P25-2.37	2-3/8	2-7/8	1/4	8.72
P25-2.37-37	2-3/8	2-7/8	3/8	10.25
P25-2.37-37B	2-3/8	2-7/8	3/8	9.25
P25-2.50	2-1/2	3	1/4	8.27
P25-2.50SQB	2-1/2	3	1/4	8.27
P25-2.50-31	2-1/2	3	5/16	12.91
P25-2.50-31B	2-1/2	3	5/16	9.25
P25-2.50-37	2-1/2	3	3/8	9.29
P25-2.50-37B	2-1/2	3	3/8	9.24
P25-2.50-50B	2-1/2	3	1/2	11.08
P25-2.56	2-9/16	3-1/16	1/4	8.77
P25-2.62	2-5/8	3-1/8	1/4	9.30
P25-2.62SQB	2-5/8	3-1/8	1/4	8.86
P25-2.62-37	2-5/8	3-1/8	3/8	13.25
P25-2.62-37B	2-5/8	3-1/8	3/8	9.65
P25-2.75	2-3/4	3-1/4	1/4	8.96

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-2.75SQB	2-3/4	3-1/4	1/4	\$ 8.96
P25-2.75-37	2-3/4	3-1/4	3/8	10.14
P25-2.75-37B	2-3/4	3-1/4	3/8	10.09
P25-2.75-50	2-3/4	3-1/4	1/2	13.85
P25-2.75-50B	2-3/4	3-1/4	1/2	11.68
P25-2.87	2-7/8	3-3/8	1/4	9.75
P25-2.87-37B	2-7/8	3-3/8	3/8	11.00
P25-3.00	3	3-1/2	1/4	9.65
P25-3.00SQB	3	3-1/2	1/4	9.65
P25-3.00-37	3	3-1/2	3/8	10.96
P25-3.00-37B	3	3-1/2	3/8	10.90
P25-3.00-50B	3	3-1/2	1/2	12.20
P25-3.12	3-1/8	3-5/8	1/4	11.05
P25-3.12SQB	3-1/8	3-5/8	1/4	13.02
P25-3.12-37B	3-1/8	3-5/8	3/8	13.53
P25-3.25	3-1/4	3-3/4	1/4	10.85
P25-3.25SQB	3-1/4	3-3/4	1/4	11.35
P25-3.25-37	3-1/4	3-3/4	3/8	13.56
P25-3.25-37B	3-1/4	3-3/4	3/8	11.64
P25-3.25-50B	3-1/4	3-3/4	1/2	12.22
P25-3.37	3-3/8	3-7/8	1/4	11.77
P25-3.37SQB	3-3/8	3-7/8	1/4	11.77
P25-3.37-37	3-3/8	3-7/8	3/8	12.49
P25-3.37-37B	3-3/8	3-7/8	3/8	12.73
P25-3.50	3-1/2	4	1/4	11.62
P25-3.50SQB	3-1/2	4	1/4	11.06
P25-3.50-37	3-1/2	4	3/8	12.65
P25-3.50-37B	3-1/2	4	3/8	12.59
P25-3.50-50	3-1/2	4	1/2	13.55
P25-3.50-50B	3-1/2	4	1/2	15.84
P25-3.62	3-5/8	4-1/8	1/4	13.17
P25-3.62-37	3-5/8	4-1/8	3/8	18.76
P25-3.62-37B	3-5/8	4-1/8	3/8	15.12
P25-3.75	3-3/4	4-1/4	1/4	13.62
P25-3.75SQB	3-3/4	4-1/4	1/4	12.36
P25-3.75-37	3-3/4	4-1/4	3/8	14.74
P25-3.75-37B	3-3/4	4-1/4	3/8	13.29
P25-3.75-50B	3-3/4	4-1/4	1/2	14.65
P25-3.75-56B	3-3/4	4-1/4	9/16	15.95
P25-3.87	3-7/8	4-3/8	1/4	14.00
P25-3.87-37B	3-7/8	4-3/8	3/8	20.29
P25-3.87-56	3-7/8	4-3/8	9/16	19.44
P25-4.00	4	4-1/2	1/4	13.05
P25-4.00SQB	4	4-1/2	1/4	12.44
P25-4.00-31B	4	4-1/2	5/16	16.77
P25-4.00-37	4	4-1/2	3/8	14.59
P25-4.00-37B	4	4-1/2	3/8	14.50
P25-4.00-50	4	4-1/2	1/2	14.59
P25-4.00-50B	4	4-1/2	1/2	18.26
P25-4.00-56	4	4-1/2	9/16	14.86

INCH



POLYSEAL U-SEALS

51

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-4.00-56B	4	4-1/2	9/16	\$ 14.50
P25-4.00-62	4	4-1/2	5/8	17.50
P25-4.12	4-1/8	4-5/8	1/4	14.12
P25-4.12-37B	4-1/8	4-5/8	3/8	19.91
P25-4.12-56B	4-1/8	4-5/8	3/8	19.91
P25-4.25	4-1/4	4-3/4	1/4	13.80
P25-4.25SQB	4-1/4	4-3/4	1/4	13.80
P25-4.25-37B	4-1/4	4-3/4	3/8	17.33
P25-4.25-56B	4-1/4	4-3/4	9/16	17.33
P25-4.37	4-3/8	4-7/8	1/4	14.86
P25-4.37SQB	4-3/8	4-7/8	1/4	14.86
P25-4.37-56	4-3/8	4-7/8	9/16	19.20
P25-4.37-56B	4-3/8	4-7/8	9/16	21.39
P25-4.50	4-1/2	5	1/4	13.85
P25-4.50SQB	4-1/2	5	1/4	13.85
P25-4.50-31	4-1/2	5	5/16	20.03
P25-4.50-31B	4-1/2	5	5/16	22.74
P25-4.50-37	4-1/2	5	3/8	17.30
P25-4.50-37B	4-1/2	5	3/8	17.20
P25-4.50-50	4-1/2	5	1/2	18.99
P25-4.50-50B	4-1/2	5	1/2	17.20
P25-4.50-56	4-1/2	5	9/16	17.63
P25-4.50-56B	4-1/2	5	9/16	17.20
P25-4.50-62B	4-1/2	5	5/8	18.06
P25-4.62	4-5/8	5-1/8	1/4	19.37
P25-4.62SQB	4-5/8	5-1/8	1/4	17.02
P25-4.62-56B	4-5/8	5-1/8	9/16	19.14
P25-4.75	4-3/4	5-1/4	1/4	15.27
P25-4.75SQB	4-3/4	5-1/4	1/4	16.04
P25-4.75-37B	4-3/4	5-1/4	3/8	19.77
P25-4.75-56	4-3/4	5-1/4	9/16	25.09
P25-4.75-56B	4-3/4	5-1/4	9/16	17.93
P25-4.87	4-7/8	5-3/8	1/4	17.26
P25-4.87-56	4-7/8	5-3/8	9/16	26.42
P25-4.87-56B	4-7/8	5-3/8	9/16	24.97
P25-5.00	5	5-1/2	1/4	15.25
P25-5.00SQB	5	5-1/2	1/4	16.01
P25-5.00-37	5	5-1/2	3/8	22.01
P25-5.00-37B	5	5-1/2	3/8	19.83
P25-5.00-50	5	5-1/2	1/2	22.01
P25-5.00-50B	5	5-1/2	1/2	20.83
P25-5.00-56	5	5-1/2	9/16	22.42
P25-5.00-56B	5	5-1/2	9/16	19.83
P25-5.00-62	5	5-1/2	5/8	26.44
P25-5.12	5-1/8	5-5/8	1/4	17.15
P25-5.25	5-1/4	5-3/4	1/4	16.52
P25-5.25SQB	5-1/4	5-3/4	1/4	19.82
P25-5.25-37	5-1/4	5-3/4	3/8	28.61
P25-5.25-37B	5-1/4	5-3/4	3/8	22.57
P25-5.25-56	5-1/4	5-3/4	9/16	29.16

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-5.25-56B	5-1/4	5-3/4	9/16	\$ 22.57
P25-5.37	5-3/8	5-7/8	1/4	17.10
P25-5.37SQB	5-3/8	5-7/8	1/4	19.93
P25-5.37-37	5-3/8	5-7/8	3/8	29.72
P25-5.37-56B	5-3/8	5-7/8	9/16	29.53
P25-5.50	5-1/2	6	1/4	16.64
P25-5.50-SQB	5-1/2	6	1/4	19.11
P25-5.50-37	5-1/2	6	3/8	24.48
P25-5.50-37B	5-1/2	6	3/8	23.17
P25-5.50-50	5-1/2	6	1/2	24.48
P25-5.50-56	5-1/2	6	9/16	24.95
P25-5.50-56B	5-1/2	6	9/16	25.54
P25-5.50-62	5-1/2	6	5/8	24.48
P25-5.62	5-5/8	6-1/8	1/4	18.74
P25-5.75	5-3/4	6-1/4	1/4	20.11
P25-5.75-37B	5-3/4	6-1/4	3/8	26.47
P25-5.75-56	5-3/4	6-1/4	9/16	24.86
P25-5.75-56B	5-3/4	6-1/4	9/16	25.21
P25-5.87	5-7/8	6-3/8	1/4	26.03
P25-5.87-56B	5-7/8	6-3/8	9/16	25.65
P25-6.00	6	6-1/2	1/4	19.00
P25-6.00-37	6	6-1/2	3/8	32.51
P25-6.00-37B	6	6-1/2	3/8	26.08
P25-6.00-43B	6	6-1/2	7/16	31.30
P25-6.00-50	6	6-3/8	1/2	25.00
P25-6.00-56	6	6-1/2	9/16	26.75
P25-6.00-56B	6	6-1/2	9/16	26.08
P25-6.25	6-1/4	6-3/4	1/4	21.31
P25-6.25-37B	6-1/4	6-3/4	3/8	26.84
P25-6.50	6-1/2	7	1/4	20.06
P25-6.50SQB	6-1/2	7	1/4	20.06
P25-6.50-37	6-1/2	7	3/8	29.60
P25-6.50-37B	6-1/2	7	3/8	28.00
P25-6.50-56	6-1/2	7	9/16	29.60
P25-6.50-56B	6-1/2	7	9/16	26.66
P25-6.75	6-3/4	7-1/4	1/4	20.76
P25-6.75-37B	6-3/4	7-1/4	3/8	33.34
P25-6.75-56	6-3/4	7-1/4	9/16	37.03
P25-6.75-56B	6-3/4	7-1/4	9/16	27.77
P25-7.00	7	7-1/2	1/4	22.59
P25-7.00-37B	7	7-1/2	3/8	34.65
P25-7.00-56	7	7-1/2	9/16	37.76
P25-7.00-56B	7	7-1/2	9/16	28.87
P25-7.12-56B	7-1/8	7-5/8	9/16	37.12
P25-7.25	7-1/4	7-3/4	1/4	27.46
P25-7.25-56B	7-1/4	7-3/4	9/16	38.00
P25-7.50	7-1/2	8	1/4	21.81
P25-7.50SQB	7-1/2	8	1/4	22.91
P25-7.50-37B	7-1/2	8	3/8	36.39
P25-7.50-56	7-1/2	8	9/16	31.40



INCH

POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-7.50-56B	7-1/4	8	9/16	\$ 32.76
P25-7.75	7-3/4	8-1/4	1/4	29.27
P25-7.75-37	7-3/4	8-1/4	3/8	32.42
P25-7.75-56B	7-3/4	8-1/4	9/16	32.23
P25-8.00	8	8-1/2	1/4	30.32
P25-8.00SQB	8	8-1/2	1/4	34.98
P25-8.00-56	8	8-1/2	9/16	41.13
P25-8.00-56B	8	8-1/2	9/16	36.86
P25-8.12	8-1/8	8-5/8	1/4	35.52
P25-8.12-56B	8-1/8	8-5/8	9/16	40.69
P25-8.25	8-1/4	8-3/4	1/4	32.82
P25-8.25-56B	8-1/4	8-3/4	9/16	37.99
P25-8.37-56B	8-3/8	8-7/8	9/16	44.07
P25-8.50	8-1/2	9	1/4	31.42
P25-8.50-56B	8-1/2	9	9/16	37.41
P25-8.75	8-3/4	9-1/4	1/4	32.33
P25-9.00	9	9-1/2	1/4	29.14
P25-9.00-37	9	9-1/2	3/8	45.06
P25-9.00-56	9	9-1/2	9/16	48.83
P25-9.00-56B	9	9-1/2	9/16	48.07
P25-9.25	9-1/4	9-3/4	1/4	35.51
P25-9.25-56	9-1/4	9-3/4	9/16	49.94
P25-9.50	9-1/2	10	1/4	29.46
P25-9.50-56	9-1/2	10	9/16	56.28
P25-9.50-56B	9-1/2	10	9/16	50.73
P25-9.75	9-3/4	10-1/4	1/4	33.49
P25-10.00	10	10-1/2	1/4	40.69
P25-10.00-56B	10	10-1/2	9/16	53.50
P25-10.25	10-1/4	10-3/4	1/4	41.83
P25-10.50	10-1/2	11	1/4	42.95
P25-10.50SQB	10-1/2	11	1/4	47.21
P25-10.75	10-3/4	11-1/4	1/4	43.97
P25-11.25	11-1/4	11-3/4	1/4	51.04
P25-11.50	11-1/2	12	1/4	48.90
P25-11.50-53B	11-1/2	12	17/32	73.51
P25-12.00	12	12-1/2	1/4	55.18
P25-12.00-56B	12	12-1/2	9/16	50.06
P25-12.50	12-1/2	13	1/4	56.15
P25-12.75-56B	12-3/4	13-1/4	9/16	81.31
P25-13.50	13-1/2	14	1/4	61.68
P25-13.50-53B	13-1/2	14	17/32	86.30
P25-13.50-56B	13-1/2	14	9/16	86.30
P25-16.00-37	16	16-1/2	3/8	113.42
.275" C/S				
P27-1.97-50B	1.970	2.520	1/2	\$ 9.24
P27-2.97-50B	2.970	3.520	1/2	28.87
P27-3.97-50B	3.970	4.520	1/2	40.52
P27-4.97-50B	4.970	5.520	1/2	36.88
9/32" C/S				
P28-1.00	1	1-9/16	9/32	\$ 6.53

PART NUMBER	I.D.	O.D.	H	LIST PRICE
9/32" C/S				
P28-2.20-50B	2.200	2.770	1/2	\$ 14.93
P28-2.31	2-5/16	2-7/8	9/32	12.20
P28-2.43-37B	2-7/16	3	3/8	14.78
P28-3.18-50B	3-3/16	3-3/4	1/2	16.46
P28-3.20-50B	3.200	3.770	1/2	20.63
P28-4.43	4-7/16	5	9/32	24.58
P28-5.00	5	5-9/16	9/32	27.71
P28-5.00SQB	5	5-9/16	9/32	26.38
P28-5.43	5-7/16	6	9/32	28.69
P28-5.43-56B	5-7/16	6	9/16	31.93
5/16" C/S				
P31-0.25	1/4	7/8	5/16	\$ 7.59
P31-0.37	3/8	1	5/16	6.56
P31-0.43	7/16	1-1/16	5/16	7.59
P31-0.50	1/2	1-1/8	5/16	5.85
P31-0.62	5/8	1-1/4	5/16	6.00
P31-0.75	3/4	1-3/8	5/16	5.85
P31-0.75-50B	3/4	1-3/8	1/2	6.25
P31-0.87	7/8	1-1/2	5/16	5.91
P31-0.93-37B	15/16	1-9/16	3/8	7.06
P31-1.00	1	1-5/8	5/16	6.26
P31-1.00-37B	1	1-5/8	3/8	7.06
P31-1.00-50	1	1-5/8	1/2	8.22
P31-1.00-50B	1	1-5/8	1/2	7.06
P31-1.12	1-1/8	1-3/4	5/16	6.41
P31-1.12SQB	1-1/8	1-3/4	5/16	6.41
P31-1.12-37B	1-1/8	1-3/4	3/8	7.22
P31-1.18	1-3/16	1-13/16	5/16	6.43
P31-1.25	1-1/4	1-7/8	5/16	5.82
P31-1.25SQB	1-1/4	1-7/8	5/16	6.74
P31-1.25-37B	1-1/4	1-7/8	3/8	6.41
P31-1.25-50	1-1/4	1-7/8	1/2	8.55
P31-1.25-50B	1-1/4	1-7/8	1/2	6.41
P31-1.37	1-3/8	2	5/16	6.73
P31-1.37SQB	1-3/8	2	5/16	6.73
P31-1.37-37	1-3/8	2	3/8	8.90
P31-1.37-37B	1-3/8	2	3/8	6.89
P31-1.37-50	1-3/8	2	1/2	9.94
P31-1.37-50B	1-3/8	2	1/2	6.89
P31-1.50	1-1/2	2-1/8	5/16	6.83
P31-1.50-37B	1-1/2	2-1/8	3/8	7.70
P31-1.50-43B	1-1/2	2-1/8	7/16	8.47
P31-1.50-50	1-1/2	2-1/8	1/2	9.94
P31-1.50-50B	1-1/2	2-1/8	1/2	7.70
P31-1.62	1-5/8	2-1/4	5/16	7.70
P31-1.62-37B	1-5/8	2-1/4	3/8	8.09
P31-1.62-50B	1-5/8	2-1/4	1/2	8.48
P31-1.68	1-11/16	2-5/16	5/16	9.73
P31-1.68-50B	1-11/16	2-5/16	1/2	8.51
P31-1.75	1-3/4	2-3/8	5/16	7.70

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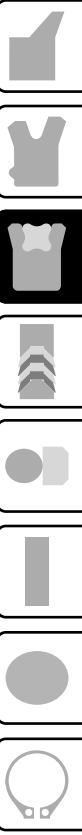
POLYSEAL U-SEALS

53

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/16" C/S				
P31-1.75-37B	1-3/4	2-3/8	3/8	\$ 8.54
P31-1.75-43	1-3/4	2-3/8	7/16	12.27
P31-1.75-50	1-3/4	2-3/8	1/2	10.51
P31-1.75-50B	1-3/4	2-3/8	1/2	8.54
P31-1.87	1-7/8	2-1/2	5/16	8.22
P31-1.87-37	1-7/8	2-1/2	3/8	11.06
P31-1.87-37B	1-7/8	2-1/2	3/8	9.00
P31-1.87-50	1-7/8	2-1/2	1/2	11.06
P31-1.87-50B	1-7/8	2-1/2	1/2	9.00
P31-1.93	1-15/16	2-9/16	5/16	10.94
P31-2.00	2	2-5/8	5/16	8.62
P31-2.00-37B	2	2-5/8	3/8	9.46
P31-2.00-43B	2	2-5/8	7/16	11.35
P31-2.00-50	2	2-5/8	1/2	10.70
P31-2.00-50B	2	2-5/8	1/2	9.01
P31-2.12	2-1/8	2-3/4	5/16	9.54
P31-2.12SQB	2-1/8	2-3/4	5/16	10.02
P31-2.12-37B	2-1/8	2-3/4	3/8	9.95
P31-2.12-50B	2-1/8	2-3/4	1/2	9.95
P31-2.25	2-1/4	2-7/8	5/16	9.44
P31-2.25-37B	2-1/4	2-7/8	3/8	9.95
P31-2.25-50B	2-1/4	2-7/8	1/2	9.95
P31-2.37	2-3/8	3	5/16	9.46
P31-2.37-50	2-3/8	3	1/2	12.24
P31-2.37-50B	2-3/8	3	1/2	10.33
P31-2.50	2-1/2	3-1/8	5/16	9.85
P31-2.50-37B	2-1/2	3-1/8	3/8	12.90
P31-2.50-50	2-1/2	3-1/8	3/8	11.02
P31-2.50-50B	2-1/2	3-1/8	1/2	10.76
P31-2.56	2-9/16	3-3/16	5/16	15.13
P31-2.62	2-5/8	3-1/4	5/16	11.33
P31-2.62-50	2-5/8	3-1/4	1/2	14.39
P31-2.62-50B	2-5/8	3-1/4	1/2	11.69
P31-2.75	2-3/4	3-3/8	5/16	11.28
P31-2.75-50B	2-3/4	3-3/8	1/2	12.29
P31-2.75-62B	2-3/4	3-3/8	5/8	14.04
P31-2.87	2-7/8	3-1/2	5/16	11.63
P31-2.87-50B	2-7/8	3-1/2	1/2	12.73
P31-3.00	3	3-5/8	5/16	12.13
P31-3.00SQB	3	3-5/8	5/16	13.38
P31-3.00-37B	3	3-5/8	3/8	13.90
P31-3.00-50	3	3-5/8	1/2	14.25
P31-3.00-50B	3	3-5/8	1/2	12.61
P31-3.00-62	3	3-5/8	5/8	18.14
P31-3.12	3-1/8	3-3/4	5/16	12.51
P31-3.12SQB	3-1/8	3-3/4	5/16	15.01
P31-3.12-37	3-1/8	3-3/4	3/8	16.98
P31-3.12-50B	3-1/8	3-3/4	1/2	17.07
P31-3.25	3-1/4	3-7/8	5/16	12.98
P31-3.25-50	3-1/4	3-7/8	1/2	17.48

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/16" C/S				
P31-3.25-50B	3-1/4	3-7/8	1/2	\$ 15.01
P31-3.37	3-3/8	4	5/16	12.86
P31-3.37-50	3-3/8	4	1/2	15.67
P31-3.37-50B	3-3/8	4	1/2	14.84
P31-3.37-62B	3-3/8	4	5/8	18.70
P31-3.50	3-1/2	4-1/8	5/16	14.01
P31-3.50-50	3-1/2	4-1/8	1/2	17.40
P31-3.50-50B	3-1/2	4-1/8	1/2	16.17
P31-3.62	3-5/8	4-1/4	5/16	15.13
P31-3.62-37B	3-5/8	4-1/4	3/8	16.67
P31-3.62-50B	3-5/8	4-1/4	1/2	16.67
P31-3.75	3-3/4	4-3/8	5/16	18.45
P31-3.75SQB	3-3/4	4-3/8	5/16	19.37
P31-3.75-37B	3-3/4	4-3/8	3/8	16.39
P31-3.75-50	3-3/4	4-3/8	1/2	21.19
P31-3.75-50B	3-3/4	4-3/8	1/2	16.39
P31-3.75-62B	3-3/4	4-3/8	5/8	16.39
P31-3.87	3-7/8	4-1/2	5/16	17.60
P31-3.87-50	3-7/8	4-1/2	1/2	20.60
P31-3.87-50B	3-7/8	4-1/2	1/2	17.90
P31-4.00	4	4-5/8	5/16	16.59
P31-4.00-56B	4	4-5/8	9/16	16.59
P31-4.12	4-1/8	4-3/4	5/16	20.31
P31-4.12-50B	4-1/8	4-3/4	1/2	16.95
P31-4.12-56	4-1/8	4-3/4	9/16	22.99
P31-4.12-56B	4-1/8	4-3/4	9/16	22.02
P31-4.25	4-1/4	4-7/8	5/16	20.22
P31-4.25-43B	4-1/4	4-7/8	7/16	17.46
P31-4.25-56B	4-1/4	4-7/8	9/16	17.46
P31-4.37	4-3/8	5	5/16	16.54
P31-4.37-50	4-3/8	5	1/2	20.94
P31-4.37-50B	4-3/8	5	1/2	18.87
P31-4.37-56	4-3/8	5	9/16	21.34
P31-4.37-56B	4-3/8	5	9/16	18.87
P31-4.50	4-1/2	5-1/8	5/16	23.13
P31-4.50-50B	4-1/2	5-1/8	1/2	19.56
P31-4.50-62B	4-1/2	5-1/8	5/8	19.56
P31-4.62-62B	4-5/8	5-1/4	5/8	20.32
P31-4.75	4-3/4	5-3/8	5/16	24.33
P31-4.75-50B	4-3/8	5-3/8	1/2	26.08
P31-4.75-62B	4-3/4	5-3/8	5/8	20.07
P31-4.87	4-7/8	5-1/2	5/16	21.03
P31-4.87-62	4-7/8	5-1/2	5/8	22.27
P31-5.00	5	5-5/8	5/16	24.22
P31-5.00-62	5	5-5/8	5/8	28.27
P31-5.00-62B	5	5-5/8	5/8	22.69
P31-5.12	5-1/8	5-3/4	5/16	24.68
P31-5.12-56	5-1/8	5-3/4	9/16	30.81
P31-5.25	5-1/4	5-7/8	5/16	23.32
P31-5.25-62B	5-1/4	5-7/8	5/8	24.27



INCH

POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/16" C/S				
P31-5.37	5-3/8	6	5/16	\$ 19.85
P31-5.37SQB	5-3/8	6	5/16	20.84
P31-5.37-62	5-3/8	6	5/8	26.47
P31-5.37-62B	5-3/8	6	5/8	23.86
P31-5.50	5-1/2	6-1/8	5/16	22.34
P31-5.50-SQB	5-1/2	6-1/8	1/2	26.80
P31-5.50-37B	5-1/2	6-1/8	3/8	24.43
P31-5.50-62B	5-1/2	6-1/8	5/8	25.65
P31-5.62	5-5/8	6-1/4	5/16	22.81
P31-5.75-62B	5-3/4	6-3/8	5/8	27.44
P31-5.87	5-7/8	6-1/2	5/16	27.97
P31-5.87-37B	5-7/8	6-1/2	3/8	33.99
P31-6.00	6	6-5/8	5/16	29.89
P31-6.00-62B	6	6-5/8	5/8	30.68
P31-6.12	6-1/8	6-3/4	5/16	31.42
P31-6.25	6-1/4	6-7/8	5/16	29.48
P31-6.37	6-3/8	7	3/8	22.69
P31-6.37SQB	6-3/8	7	5/16	22.69
P31-6.37-62	6-3/8	7	5/8	40.81
P31-6.37-62B	6-3/8	7	5/8	37.43
P31-6.50	6-1/2	7-1/8	5/16	27.75
P31-6.50-62B	6-1/2	7-1/8	5/8	36.58
P31-6.62	6-5/8	7-1/4	5/16	29.61
P31-6.62-62B	6-5/8	7-1/4	5/8	46.47
P31-6.75	6-3/4	7-3/8	5/16	31.08
P31-7.00-62B	7	7-5/8	5/8	42.00
P31-7.25	7-1/4	7-7/8	5/16	25.52
P31-7.25-62B	7-1/4	7-7/8	5/8	51.79
P31-7.37	7-3/8	8	5/16	25.96
P31-7.37SQB	7-3/8	8	5/16	30.05
P31-7.37-62B	7-3/8	8	5/8	35.48
P31-7.50	7-1/2	8-1/8	5/16	34.54
P31-8.00-62B	8	8-5/8	5/8	47.14
P31-9.00-50	9	9-5/8	1/2	70.66
11/32" C/S				
P34-9.31	9-5/16	10	11/32	\$ 53.27
3/8" C/S				
P37-0.50	1/2	1-1/4	3/8	\$ 8.88
P37-0.62	5/8	1-3/8	3/8	7.04
P37-0.75	3/4	1-1/2	3/8	7.93
P37-0.75-62	3/4	1-1/2	5/8	10.76
P37-0.81	13/16	1-9/16	3/8	8.03
P37-0.81SQB	13/16	1-9/16	3/8	6.93
P37-0.87	7/8	1-5/8	3/8	8.11
P37-0.93	15/16	1-11/16	3/8	9.66
P37-1.00	1	1-3/4	3/8	8.27
P37-1.00-62	1	1-3/4	5/8	10.61
P37-1.12	1-1/8	1-7/8	3/8	8.68
P37-1.25	1-1/4	2	3/8	8.25
P37-1.25SQB	1-1/4	2	3/8	8.25

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-1.25-62	1-1/4	2	5/8	\$ 10.36
P37-1.37	1-3/8	2-1/8	3/8	9.61
P37-1.50	1-1/2	2-1/4	3/8	8.82
P37-1.50SQB	1-1/2	2-1/4	3/8	9.12
P37-1.50-50B	1-1/2	2-1/4	1/2	11.86
P37-1.50-62B	1-1/2	2-1/4	5/8	11.86
P37-1.56	1-9/16	2-5/16	3/8	10.61
P37-1.62	1-5/8	2-3/8	3/8	10.61
P37-1.62SQB	1-5/8	2-3/8	3/8	11.39
P37-1.62-62B	1-5/8	2-3/8	5/8	12.25
P37-1.75	1-3/4	2-1/2	3/8	13.18
P37-1.75-50	1-3/4	2-1/2	1/2	13.44
P37-1.75-62B	1-3/4	2-1/2	5/8	11.53
P37-1.87	1-7/8	2-5/8	3/8	11.69
P37-2.00	2	2-3/4	3/8	11.64
P37-2.00SQB	2	2-3/4	3/8	11.64
P37-2.00-43	2	2-3/4	7/16	18.44
P37-2.00-43B	2	2-3/4	7/16	14.67
P37-2.00-50	2	2-3/4	1/2	15.78
P37-2.00-50B	2	2-3/4	1/2	12.84
P37-2.00-62	2	2-3/4	5/8	16.28
P37-2.00-62B	2	2-3/4	5/8	12.84
P37-2.06	2-1/16	2-13/16	3/8	16.30
P37-2.12	2-1/8	2-7/8	3/8	14.12
P37-2.12-62	2-1/8	2-7/8	5/8	17.71
P37-2.12-62B	2-1/8	2-7/8	5/8	16.25
P37-2.25	2-1/4	3	3/8	12.41
P37-2.25SQB	2-1/4	3	3/8	13.02
P37-2.25-50B	2-1/4	3	1/2	14.28
P37-2.25-62	2-1/4	3	5/8	15.83
P37-2.25-62B	2-1/4	3	5/8	14.28
P37-2.37	2-3/8	3-1/8	3/8	14.24
P37-2.37-50B	2-3/8	3-1/8	1/2	16.80
P37-2.37-62	2-3/8	3-1/8	5/8	16.65
P37-2.37-62B	2-3/8	3-1/8	5/8	18.28
P37-2.43	2-7/16	3-13/16	3/8	17.96
P37-2.50	2-1/2	3-1/4	3/8	13.41
P37-2.50SQB	2-1/2	3-1/4	3/8	14.07
P37-2.50-50B	2-1/2	3-1/4	1/2	14.91
P37-2.50-62	2-1/2	3-1/4	5/8	17.36
P37-2.50-62B	2-1/2	3-1/4	5/8	14.91
P37-2.56	2-9/16	3-5/16	3/8	19.08
P37-2.62	2-5/8	3-3/8	3/8	17.77
P37-2.62-62B	2-5/8	3-3/8	5/8	16.46
P37-2.75	2-3/4	3-1/2	3/8	14.74
P37-2.75-50	2-3/4	3-1/2	1/2	19.28
P37-2.75-50B	2-3/4	3-1/2	1/2	17.90
P37-2.75-62	2-3/4	3-1/2	5/8	18.93
P37-2.75-62B	2-3/4	3-1/2	5/8	17.06
P37-2.87-50B	2-7/8	3-5/8	1/2	19.01



INCH

POLYSEAL U-SEALS

55

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-2.81	2-13/16	3-9/16	3/8	\$ 20.26
P37-2.93	2-15/16	3-11/16	3/8	23.61
P37-3.00	3	3-3/4	3/8	16.07
P37-3.00SQB	3	3-3/4	3/8	16.87
P37-3.00-50B	3	3-3/4	1/2	18.59
P37-3.00-62	3	3-3/4	5/8	19.63
P37-3.00-62B	3	3-3/4	5/8	17.70
P37-3.12	3-1/8	3-7/8	3/8	21.51
P37-3.12SQB	3-1/8	3-7/8	3/8	19.86
P37-3.12-62B	3-1/8	3-7/8	5/8	22.04
P37-3.25	3-1/4	4	3/8	17.04
P37-3.25-50B	3-1/4	4	1/2	18.82
P37-3.25-56B	3-1/4	4	9/16	18.82
P37-3.25-62	3-1/4	4	5/8	19.90
P37-3.25-62B	3-1/4	4	5/8	18.82
P37-3.37	3-3/8	4-1/8	3/8	23.01
P37-3.37-62B	3-3/8	4-1/8	5/8	24.28
P37-3.50	3-1/2	4-1/4	3/8	18.35
P37-3.50-50	3-1/2	4-1/4	1/2	21.67
P37-3.50-62	3-1/2	4-1/4	5/8	22.76
P37-3.50-62B	3-1/2	4-1/4	5/8	20.13
P37-3.62	3-5/8	4-3/8	3/8	24.52
P37-3.62-50B	3-5/8	4-3/8	1/2	22.92
P37-3.62-62	3-5/8	4-3/8	5/8	29.10
P37-3.62-62B	3-5/8	4-3/8	5/8	21.84
P37-3.75	3-3/4	4-1/2	3/8	20.26
P37-3.75SQB	3-3/4	4-1/2	3/8	20.26
P37-3.75-50	3-3/4	4-1/2	1/2	23.10
P37-3.75-62	3-3/4	4-1/2	5/8	22.68
P37-3.75-62B	3-3/4	4-1/2	5/8	21.46
P37-3.87	3-7/8	4-5/8	3/8	23.93
P37-3.87-62B	3-7/8	4-5/8	5/8	27.66
P37-4.00	4	4-3/4	3/8	20.60
P37-4.00-50	4	4-3/4	1/2	28.01
P37-4.00-50B	4	4-3/4	1/2	28.69
P37-4.00-62	4	4-3/4	5/8	25.26
P37-4.00-62B	4	4-3/4	5/8	22.77
P37-4.12	4-1/8	4-7/8	3/8	31.68
P37-4.12-62B	4-1/8	4-7/8	5/8	29.24
P37-4.25	4-1/4	5	3/8	21.76
P37-4.25SQB	4-1/4	5	3/8	21.76
P37-4.25-50	4-1/4	5	1/2	31.07
P37-4.25-50B	4-1/4	5	1/2	32.42
P37-4.25-62	4-1/4	5	5/8	31.07
P37-4.25-62B	4-1/4	5	5/8	27.02
P37-4.37	4-3/8	5-1/8	3/8	26.74
P37-4.37-50B	4-3/8	5-1/8	1/2	32.29
P37-4.37-62B	4-3/8	5-1/8	5/8	30.76
P37-4.50	4-1/2	5-1/4	3/8	22.89
P37-4.50SQB	4-1/2	5-1/4	3/8	24.03

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-4.50-50	4-1/2	5-1/4	1/2	\$ 26.90
P37-4.50-62	4-1/2	5-1/4	5/8	30.16
P37-4.50-62B	4-1/2	5-1/4	5/8	24.99
P37-4.62	4-5/8	5-3/8	3/8	28.11
P37-4.62-62	4-5/8	5-3/8	5/8	27.00
P37-4.62-62B	4-5/8	5-3/8	5/8	26.84
P37-4.75	4-3/4	5-1/2	3/8	27.83
P37-4.75SQB	4-3/4	5-1/2	3/8	26.50
P37-4.75-50B	4-3/4	5-1/2	1/2	26.16
P37-4.75-62	4-3/4	5-1/2	5/8	27.63
P37-4.75-62B	4-3/4	5-1/2	5/8	26.16
P37-4.87	4-7/8	5-5/8	3/8	31.98
P37-4.87-62B	4-7/8	5-5/8	5/8	28.15
P37-5.00	5	5-3/4	3/8	30.24
P37-5.00SQB	5	5-3/4	3/8	30.24
P37-5.00-50B	5	5-3/4	1/2	30.19
P37-5.00-62	5	5-3/4	5/8	30.38
P37-5.00-62B	5	5-3/4	5/8	27.39
P37-5.12	5-1/8	5-7/8	3/8	33.63
P37-5.12-62B	5-1/8	5-7/8	5/8	30.84
P37-5.25	5-1/4	6	3/8	26.47
P37-5.25SQB	5-1/4	6	3/8	26.47
P37-5.25-50	5-1/4	6	1/2	28.73
P37-5.25-50B	5-1/4	6	1/2	29.98
P37-5.25-62	5-1/4	6	5/8	28.73
P37-5.25-62B	5-1/4	6	5/8	29.98
P37-5.37	5-3/8	6-1/8	3/8	35.09
P37-5.37-62B	5-3/8	6-1/8	5/8	34.93
P37-5.50	5-1/2	6-1/4	3/8	30.25
P37-5.50SQB	5-1/2	6-1/4	3/8	34.59
P37-5.50-50B	5-1/2	6-1/4	1/2	35.60
P37-5.50-62	5-1/2	6-1/4	5/8	33.52
P37-5.50-62B	5-1/2	6-1/4	5/8	29.66
P37-5.62	5-5/8	6-3/8	3/8	36.60
P37-5.75	5-3/4	6-1/2	3/8	31.75
P37-5.75-62	5-3/4	6-1/2	5/8	34.10
P37-5.75-62B	5-3/4	6-1/2	5/8	32.27
P37-5.87	5-7/8	6-5/8	3/8	39.94
P37-5.87-62B	5-7/8	6-5/8	5/8	41.52
P37-6.00	6	6-3/4	3/8	34.46
P37-6.00SQB	6	6-3/4	3/8	34.46
P37-6.00-50B	6	6-3/4	1/2	37.95
P37-6.00-62	6	6-3/4	5/8	38.19
P37-6.00-62B	6	6-3/4	5/8	31.63
P37-6.25	6-1/4	7	3/8	30.13
P37-6.25-50	6-1/4	7	1/2	33.35
P37-6.25-50B	6-1/4	7	1/2	32.53
P37-6.25-62	6-1/4	7	5/8	32.72
P37-6.25-62B	6-1/4	7	5/8	32.53
P37-6.37	6-3/8	7-1/8	3/8	41.18



INCH



POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
<i>3/8" C/S</i>				
P37-6.50	6-1/2	7-1/4	3/8	\$ 39.73
P37-6.50SQB	6-1/2	7-1/4	3/8	39.73
P37-6.50-50	6-1/2	7-1/4	1/2	47.10
P37-6.50-50B	6-1/2	7-1/4	1/2	37.11
P37-6.50-62B	6-1/2	7-1/4	5/8	33.65
P37-6.75	6-3/4	7-1/2	3/8	40.48
P37-6.75-62B	6-3/4	7-1/2	5/8	36.62
P37-6.87-62B	6-7/8	7-5/8	5/8	48.31
P37-7.00	7	7-3/4	3/8	34.64
P37-7.00-50B	7	7-3/4	1/2	45.36
P37-7.00-62	7	7-3/4	5/8	47.09
P37-7.00-62B	7	7-3/4	5/8	36.00
P37-7.25	7-1/4	8	3/8	33.91
P37-7.25SQB	7-1/4	8	3/8	35.61
P37-7.25-50	7-1/4	8	1/2	37.87
P37-7.25-62	7-1/4	8	5/8	37.87
P37-7.25-62B	7-1/4	8	5/8	39.51
P37-7.37-62	7-3/8	8-1/8	5/8	54.63
P37-7.50	7-1/2	8-1/4	3/8	40.38
P37-7.50-50	7-1/2	8-1/4	1/2	51.90
P37-7.50-50B	7-1/2	8-1/4	1/2	48.21
P37-7.50-62B	7-1/2	8-1/4	5/8	42.17
P37-7.62	7-5/8	8-3/8	3/8	40.92
P37-7.75	7-3/4	8-1/2	3/8	37.64
P37-7.75-50B	7-3/4	8-1/2	1/2	53.71
P37-7.75-62B	7-3/4	8-1/2	5/8	43.38
P37-8.00	8	8-3/4	3/8	40.56
P37-8.00-50	8	8-3/4	1/2	47.19
P37-8.00-62B	8	8-3/4	5/8	42.54
P37-8.25	8-1/4	9	3/8	43.79
P37-8.25-62	8-1/4	9	5/8	46.17
P37-8.25-62B	8-1/4	9	5/8	43.70
P37-8.50	8-1/2	9-1/4	3/8	48.93
P37-8.50-50B	8-1/2	9-1/4	1/2	50.80
P37-8.50-62B	8-1/2	9-1/4	5/8	50.80
P37-8.62	8-5/8	9-3/8	3/8	51.17
P37-8.75	8-3/4	9-1/2	3/8	54.41
P37-8.75-50B	8-3/4	9-1/2	1/2	62.76
P37-8.75-62	8-3/4	9-1/2	5/8	55.28
P37-9.00	9	9-3/4	3/8	55.84
P37-9.00-62	9	9-3/4	5/8	59.49
P37-9.00-62B	9	9-3/4	5/8	53.64
P37-9.25	9-1/4	10	3/8	42.55
P37-9.25-50	9-1/4	10	1/2	56.40
P37-9.25-62	9-1/4	10	5/8	55.35
P37-9.25-62B	9-1/4	10	5/8	55.01
P37-9.50	9-1/2	10-1/4	3/8	58.54
P37-9.50-62B	9-1/2	10-1/4	5/8	71.61
P37-9.75	9-3/4	10-1/2	3/8	50.35
P37-9.75-62	9-3/4	10-1/2	5/8	81.10

PART NUMBER	I.D.	O.D.	H	LIST PRICE
<i>3/8" C/S</i>				
P37-9.75-62B	9-3/4	10-1/2	5/8	\$ 76.75
P37-10.00	10	10-3/4	3/8	59.64
P37-10.00-62B	10	10-3/4	5/8	71.67
P37-10.25	10-1/4	11	3/8	57.97
P37-10.25-50B	10-1/4	11	1/2	82.50
P37-10.25-62	10-1/4	11	5/8	81.19
P37-10.50	10-1/2	11-1/4	3/8	70.43
P37-10.50-62B	10-1/2	11-1/4	5/8	84.52
P37-10.75	10-3/4	11-1/2	3/8	62.84
P37-10.75-62	10-3/4	11-1/2	5/8	83.91
P37-10.75-62B	10-3/4	11-1/2	5/8	90.96
P37-11.00	11	11-3/4	3/8	61.75
P37-11.00-62B	11	11-3/4	5/8	81.07
P37-11.25	11-1/4	12	3/8	50.03
P37-11.25-50	11-1/4	12	1/2	90.68
P37-11.25-62	11-1/4	12	5/8	90.68
P37-11.25-62B	11-1/4	12	5/8	78.85
P37-11.50-62B	11-1/2	12-1/4	5/8	91.65
P37-11.75	11-3/4	12-1/2	3/8	52.26
P37-12.00	12	12-3/4	3/8	66.91
P37-12.00-62B	12	12-3/4	5/8	95.51
P37-12.25	12-1/4	13	3/8	69.24
P37-12.25-62	12-1/4	13	5/8	99.53
P37-12.75	12-3/4	13-1/2	3/8	88.00
P37-12.75-62B	12-3/4	13-1/2	5/8	132.04
P37-13.00	13	13-3/4	3/8	66.72
P37-13.25	13-1/4	14	3/8	65.53
P37-13.25-62	13-1/4	14	5/8	108.52
P37-13.75	13-3/4	14-1/2	3/8	102.17
P37-14.00	14	14-3/4	3/8	91.25
P37-14.25-62B	14-1/4	15	5/8	141.31
P37-14.75-62B	14-3/4	15-1/2	5/8	182.17
P37-15.00	15	15-3/4	3/8	122.55
P37-15.25-62	15-1/4	16	5/8	178.46
P37-15.25-62B	15-1/4	16	5/8	138.45
P37-15.50	15-1/2	16-1/4	3/8	106.62
P37-16.25	16-1/4	17	3/8	115.00
P37-17.25	17-1/4	18	3/8	122.07
P37-19.50	19-1/2	20-1/4	3/8	129.60
P37-25.00-62	25	25-3/4	5/8	304.07
<i>7/16" C/S</i>				
P43-2.50	2-1/2	3-3/8	7/16	\$ 19.66
P43-2.75	2-3/4	3-5/8	7/16	24.43
P43-3.00-69B	3	3-7/8	11/16	29.96
P43-3.12	3-1/8	4	7/16	22.00
P43-3.25	3-1/4	4-1/8	7/16	27.14
P43-3.87-75B	3-7/8	4-3/4	3/4	29.35
P43-4.00	4	4-7/8	7/16	27.82
P43-4.00-75	4	4-7/8	3/4	37.84
P43-4.00-75B	4	4-7/8	3/4	34.07

INCH



POLYSEAL U-SEALS

57

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
7/16" C/S				
P43-4.12	4-1/8	5	7/16	\$ 30.73
P43-4.50	4-1/2	5-3/8	7/16	32.12
P43-4.50-75B	4-1/2	5-3/8	3/4	38.01
P43-4.75	4-3/4	5-5/8	7/16	31.76
P43-4.75-75B	4-3/4	5-5/8	3/4	39.90
P43-5.12	5-1/8	6	7/16	29.94
P43-5.25	5-1/4	6-1/8	7/16	38.30
P43-5.50-50B	5-1/2	6-3/8	1/2	57.10
P43-7.50-50B	7-1/2	8-3/8	1/2	82.44
P43-13.12SQB	13-1/8	14	7/16	92.82
P43-1.50	1-1/2	2-3/8	7/16	12.59
P43-1.87	1-7/8	2-3/4	7/16	17.01
1/2" C/S				
P50-0.62	5/8	1-5/8	1/2	\$ 12.65
P50-1.00	1	2	1/2	12.59
P50-1.25	1-1/4	2-1/4	1/2	14.64
P50-1.25-75B	1-1/4	2-1/4	3/4	16.92
P50-1.50	1-1/2	2-1/2	1/2	14.57
P50-1.62	1-5/8	2-5/8	1/2	20.21
P50-1.75	1-3/4	2-3/4	1/2	15.84
P50-1.75-75B	1-3/4	2-3/4	3/4	18.85
P50-1.87-62B	1-7/8	2-7/8	5/8	20.10
P50-2.00	2	3	1/2	16.49
P50-2.00SQB	2	3	1/2	16.49
P50-2.00-75B	2	3	3/4	20.01
P50-2.25	2-1/4	3-1/4	1/2	18.06
P50-2.37	2-3/8	3-3/8	1/2	24.54
P50-2.37SQB	2-3/8	3-3/8	1/2	25.78
P50-2.50	2-1/2	3-1/2	1/2	18.82
P50-2.50SQB	2-1/2	3-1/2	1/2	18.82
P50-2.50-75B	2-1/2	3-1/2	3/4	22.92
P50-2.75	2-3/4	3-3/4	1/2	24.47
P50-3.00	3	4	1/2	21.94
P50-3.00SQB	3	4	1/2	21.94
P50-3.00-62B	3	4	5/8	25.65
P50-3.00-75	3	4	3/4	30.97
P50-3.00-75B	3	4	3/4	25.65
P50-3.00-87	3	4	7/8	27.62
P50-3.25	3-1/4	4-1/4	1/2	27.98
P50-3.25-75	3-1/4	4-1/4	3/4	40.14
P50-3.25-75B	3-1/4	4-1/4	3/4	31.76
P50-3.37-62B	3-3/8	4-3/8	5/8	27.19
P50-3.50	3-1/2	4-1/2	1/2	24.86
P50-3.50SQB	3-1/2	4-1/2	1/2	29.82
P50-3.50-75	3-1/2	4-1/2	3/4	30.96
P50-3.50-75B	3-1/2	4-1/2	3/4	29.30
P50-3.62	3-5/8	4-5/8	1/2	33.36
P50-3.75	3-3/4	4-3/4	1/2	30.54
P50-3.75-69B	3-3/4	4-3/4	11/16	37.04
P50-4.00	4	5	1/2	28.12

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/2" C/S				
P50-4.00SQB	4	5	1/2	\$ 28.16
P50-4.00-62B	4	5	5/8	38.97
P50-4.00-67	4	5	.67	34.32
P50-4.00-75	4	5	3/4	34.31
P50-4.00-75B	4	5	3/4	30.93
P50-4.25	4-1/4	5-1/4	1/2	32.73
P50-4.25-75B	4-1/4	5-1/4	3/4	35.34
P50-4.37-75B	4-1/4	5-1/4	3/4	40.31
P50-4.50	4-1/2	5-1/2	1/2	34.40
P50-4.50-75	4-1/2	5-1/2	3/4	38.29
P50-4.50-75B	4-1/2	5-1/2	3/4	36.25
P50-4.75	4-3/4	5-3/4	1/2	36.05
P50-4.75-69B	4-3/4	5-3/4	11/16	39.83
P50-5.00	5	6	1/2	34.34
P50-5.00SQB	5	6	1/2	34.34
P50-5.00-62B	5	6	5/8	45.28
P50-5.00-75	5	6	3/4	39.87
P50-5.00-75B	5	6	3/4	38.43
P50-5.25	5-1/4	6-1/4	1/2	39.41
P50-5.25SQB	5-1/4	6-1/4	1/2	39.41
P50-5.25-75B	5-1/4	6-1/4	3/4	46.33
P50-5.37-75B	5-3/8	6-3/8	3/4	49.25
P50-5.50	5-1/2	6-1/2	1/2	41.10
P50-5.50-62B	5-1/2	6-1/2	5/8	47.51
P50-5.50-75	5-1/2	6-1/2	3/4	50.21
P50-5.50-75B	5-1/2	6-1/2	3/4	39.60
P50-5.75	5-3/4	6-3/4	1/2	45.89
P50-5.75-75B	5-3/4	6-3/4	3/4	48.70
P50-5.87-75B	5-7/8	6-7/8	3/4	49.29
P50-6.00	6	7	1/2	41.16
P50-6.00SQB	6	7	1/2	41.16
P50-6.00-75	6	7	3/4	46.09
P50-6.00-75B	6	7	3/4	43.63
P50-6.12	6-1/8	7-1/8	1/2	49.57
P50-6.25	6-1/4	7-1/4	1/2	45.70
P50-6.25-75B	6-1/4	7-1/4	3/4	43.76
P50-6.50	6-1/2	7-1/2	1/2	42.42
P50-6.50-75	6-1/2	7-1/2	3/4	49.68
P50-6.50-75B	6-1/2	7-1/2	3/4	42.65
P50-6.75	6-3/4	7-3/4	3/4	45.56
P50-6.75-75B	6-3/4	7-3/4	3/4	57.37
P50-7.00	7	8	1/2	42.27
P50-7.00-43	7	8	3/4	65.56
P50-7.00-75	7	8	3/4	48.19
P50-7.00-75B	7	8	3/4	45.60
P50-7.25	7-1/4	8-1/4	1/2	54.47
P50-7.25-75B	7-1/4	8-1/4	3/4	56.60
P50-7.50	7-1/2	8-1/2	1/2	51.27
P50-7.50-75	7-1/2	8-1/2	3/4	49.04
P50-7.75	7-3/4	8-3/4	1/2	59.43



INCH

POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/2" C/S				
P50-7.75-75B	7-3/4	8-3/4	3/4	\$ 64.49
P50-8.00	8	9	1/2	47.14
P50-8.00SQB	8	9	1/2	59.40
P50-8.00-75	8	9	3/4	54.77
P50-8.00-75B	8	9	3/4	57.15
P50-8.25	8-1/4	9-1/4	1/2	61.03
P50-8.50	8-1/2	9-1/2	1/2	54.91
P50-8.50-75	8-1/2	9-1/2	3/4	62.90
P50-8.50-75B	8-1/2	9-1/2	3/4	57.93
P50-8.75	8-3/4	9-3/4	1/2	66.50
P50-9.00	9	10	1/2	52.47
P50-9.00-43	9	10	7/16	71.03
P50-9.00-75	9	10	3/4	64.03
P50-9.00-75B	9	10	3/4	60.61
P50-9.25-75B	9-1/4	10-1/4	3/4	61.73
P50-9.50	9-1/2	10-1/2	1/2	69.74
P50-9.50-75	9-1/2	10-1/2	3/4	67.52
P50-9.50-75B	9-1/2	10-1/2	3/4	67.11
P50-9.75	9-3/4	10-3/4	1/2	77.52
P50-9.75-75B	9-3/4	10-3/4	1/2	83.16
P50-10.00	10	11	1/2	58.25
P50-10.00-75	10	11	3/4	98.06
P50-10.00-75B	10	11	3/4	85.28
P50-10.50	10-1/2	11-1/2	1/2	76.90
P50-10.50-75B	10-1/2	11-1/2	3/4	111.17
P50-10.50-100B	10-1/2	11-1/2	1	127.81
P50-10.62-75B	10-5/8	11-5/8	3/4	92.77
P50-10.75	10-3/4	11-3/4	1/2	85.24
P50-10.75-75B	10-3/4	11-3/4	3/4	101.68
P50-11.00	11	12	1/2	63.89
P50-11.00-75	11	12	3/4	102.42
P50-11.00-75B	11	12	3/4	106.87
P50-11.50	11-1/2	12-1/2	1/2	77.24
P50-11.50-75	11-1/2	12-1/2	3/4	113.15
P50-11.75	11-3/4	12-3/4	1/2	88.64
P50-11.75-75B	11-3/4	12-3/4	3/4	120.77
P50-12.00	12	13	1/2	80.54
P50-12.00-75B	12	13	3/4	109.59
P50-12.50	12-1/2	13-1/2	1/2	108.70
P50-12.50-75	12-1/2	13-1/2	3/4	116.96
P50-12.50-75B	12-1/2	13-1/2	3/4	130.88
P50-12.75-75B	12-1/2	13-1/2	3/4	133.50
P50-13.00	13	14	1/2	75.26
P50-13.00-75	13	14	3/4	130.45
P50-13.00-75B	13	14	3/4	136.12
P50-13.25	13-1/4	14-1/4	1/2	94.37
P50-13.50	13-1/2	14-1/2	1/2	96.16
P50-13.50-75	13-1/2	14-1/2	3/4	175.22
P50-13.75-75	13-3/4	14-3/4	3/4	176.50
P50-14.00	14	15	1/2	105.76
P50-14.00-75B	14	15	3/4	176.82

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/2" C/S				
P50-15.00	15	16	1/2	\$ 175.73
P50-15.00-75	15	16	3/4	174.02
P50-15.00-75B	15	16	3/4	172.96
P50-15.50	15-1/2	16-1/2	1/2	152.57
P50-15.50-75	15-1/2	16-1/2	3/4	188.53
P50-15.75-75B	15-3/4	16-3/4	3/4	191.48
P50-16.00	16	17	1/2	149.93
P50-16.00-75B	16	17	3/4	209.27
P50-16.50	16-1/2	17-1/2	1/2	131.38
P50-16.50-75B	16-1/2	17-1/2	3/4	216.38
P50-17.00	17	18	1/2	154.69
P50-17.00-75	17	18	3/4	190.89
P50-17.00-75B	17	18	3/4	195.48
P50-17.50-75	17-1/2	18-1/2	3/4	212.73
P50-18.00	18	19	1/2	130.91
P50-18.00-75	18	19	3/4	241.57
P50-18.00-75B	18	19	3/4	196.33
P50-18.50-75	18-1/2	19-1/2	3/4	246.83
P50-19.00	19	20	1/2	144.70
P50-19.00-75B	19	20	3/4	204.88
P50-20.00	20	21	1/2	154.16
P50-20.00-75	20	21	3/4	229.79
P50-21.00	21	22	1/2	290.03
P50-21.00-75	21	22	3/4	282.30
P50-21.00-75B	21	22	3/4	262.22
P50-22.00	22	23	1/2	265.86
P50-22.50-75	22-1/2	23-1/2	3/4	317.31
P50-23.00	23	24	1/2	280.21
P50-23.00-62	23	24	5/8	429.64
P50-23.00-75B	23	24	3/4	322.04
P50-23.50-75	23	24	3/4	511.21
P50-24.50-75B	24-1/2	25-1/2	3/4	410.67
P50-25.00	25	26	1/2	420.79
P50-25.00-75	25	26	3/4	449.17
P50-25.50-75B	25-1/2	26-1/2	3/4	492.80
P50-26.50	26-1/2	27-1/2	1/2	315.72
P50-27.00	27	28	1/2	323.13
P50-28.00-75	28	29	3/4	756.99
P50-28.50	28-1/2	29-1/2	1/2	340.30
P50-31.00	31	32	1/2	368.47
P50-31.00-75	31	32	3/4	667.02
P50-32.00	32	33	1/2	536.26
P50-35.75	35-3/4	36-3/4	1/2	883.86
P50-36.00	36	37	1/2	592.52
P50-36.25	36-1/4	37-1/4	1/2	628.24
P50-36.75	36-3/4	37-3/4	1/2	792.92
P50-38.00	38	39	1/2	958.49
P50-39.00	39	40	1/2	762.41
P50-40.00	40	41	1/2	674.24
P50-40.25	40 1/4	41-1/4	1/2	749.70
P50-41.00	41	42	1/2	704.74



INCH

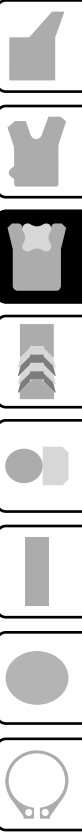
POLYSEAL U-SEALS

59

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/2" C/S				
P50-42.00	42	43	1/2	\$ 897.88
P50-42.75	42-3/4	43-3/4	1/2	1079.01
P50-43.00	43	44	1/2	1082.08
P50-44.50	44-1/2	45-1/2	1/2	1106.20
P50-45.00	45	46	1/2	1114.26
5/8" C/S				
P62-1.25	1-1/4	2-1/2	5/8	\$ 18.94
P62-1.75	1-3/4	3	5/8	23.74
P62-2.00	2	3-1/4	5/8	26.16
P62-2.25	2-1/4	3-1/2	5/8	31.44
P62-2.50	2-1/2	3-1/2	5/8	28.56
P62-2.75	2-3/4	4	5/8	24.51
P62-3.00	3	4-1/4	5/8	31.22
P62-3.25	3-1/4	4-1/2	5/8	28.98
P62-3.50	3-1/2	4-3/4	5/8	32.42
P62-3.75	3-3/4	5	5/8	31.19
P62-4.00	4	5-1/4	5/8	41.30
P62-4.25	4-1/4	5-1/2	5/8	36.06
P62-4.25-75B	4-1/4	5-1/2	3/4	42.85
P62-4.25-100B	4-1/4	4-1/2	1	47.44
P62-4.50	4-1/2	5-3/4	5/8	43.60
P62-4.75	4-3/4	6	5/8	42.21
P62-4.75-75	4-3/4	6	3/4	45.21
P62-5.00	5	6-1/4	5/8	46.65
P62-5.25	5-1/4	6-1/2	5/8	52.69
P62-5.25-100B	5-1/4	6-1/2	1	58.60
P62-5.50	5-1/2	6-3/4	5/8	53.20
P62-5.75	5-3/4	7	5/8	50.69
P62-5.75-100B	5-3/4	7	1	61.54
P62-6.00	6	7-1/4	5/8	55.69
P62-6.00-SQB	6	7-1/4	5/8	55.69
P62-6.25	6-1/4	7-1/2	5/8	64.52
P62-6.25-100B	6-1/4	7-1/2	1	69.75
P62-6.75	6-3/4	8	5/8	67.99
P62-7.00	7	8-1/4	5/8	70.16
P62-7.00-100B	7	8-1/4	1	87.71
P62-7.25	7-1/4	8-1/2	5/8	59.88
P62-7.50-100B	7-1/2	8-3/4	1	85.21
P62-7.75	7-3/4	9	5/8	81.16
P62-8.00	8	9-1/4	5/8	69.67
P62-8.25-100B	8-1/4	9-1/2	1	93.10
P62-8.50	8-1/2	9-3/4	5/8	75.22
P62-8.50-100B	8-1/2	9-3/4	1	100.72
P62-8.75	8-3/4	10	5/8	75.93
P62-9.00	9	10-1/4	5/8	77.87
P62-9.25	9-1/4	10-1/2	5/8	86.95
P62-9.50	9-1/2	10-3/4	5/8	89.16
P62-9.75	9-3/4	11	5/8	83.90
P62-10.00	10	11-1/4	5/8	77.93
P62-10.00-100B	10	11-1/4	1	108.91
P62-10.25	10-1/4	11-1/2	5/8	119.84

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/8" C/S				
P62-10.50SQB	10-1/2	11-3/4	5/8	\$ 122.48
P62-10.75	10-3/4	12	5/8	91.99
P62-11.00	11	12-1/4	5/8	102.27
P62-11.00-100B	11	12-1/4	1	152.60
P62-11.25-100B	11-1/4	12-1/2	1	157.01
P62-11.50-100B	11-1/2	12-3/4	1	140.34
P62-11.75	11-3/4	13	5/8	109.27
P62-12.00	12	13-1/4	5/8	107.59
P62-12.00-43	12	13-1/4	7/16	141.83
P62-12.25-100B	12-1/4	13-1/2	1	165.07
P62-12.75	12-3/4	14	5/8	109.99
P62-13.00	13	14-1/4	5/8	155.41
P62-13.50-87B	13-1/2	14-3/4	7/8	235.08
P62-13.75-100	13-3/4	15	1	248.08
P62-14.00-100	14	15-1/4	1	212.00
P62-14.75-100B	14-3/4	16	1	222.81
P62-15.50-100B	15-1/2	16-3/4	1	270.70
P62-17.25	17-1/4	18-1/2	5/8	244.58
P62-18.00-100B	18	19-1/4	1	363.09
P62-18.75-100B	18-3/4	20	1	399.41
P62-22.00-87	22	23-1/4	7/8	421.72
P62-24.00	24	25-1/4	5/8	325.86
P62-24.75	24-3/4	26	5/8	415.55
P62-24.75-87	24-3/4	26	7/8	523.64
3/4" C/S				
P75-3.50	3-1/2	5	3/4	\$ 56.12
P75-3.50SQB	3-1/2	5	3/4	56.12
P75-4.50	4-1/2	6	3/4	57.83
P75-5.00	5	6-1/2	3/4	73.71
P75-5.50	5-1/2	7	3/4	81.08
P75-6.00	6	7-1/2	3/4	77.45
P75-6.50	6-1/2	8	3/4	81.71
P75-7.00	7	8-1/2	3/4	96.01
P75-7.50	7-1/2	9	3/4	97.76
P75-8.00	8	9-1/2	3/4	99.00
P75-8.00-125B	8	9-1/2	1-1/4	108.05
P75-8.50	8-1/2	10	3/4	99.00
P75-8.50-112B	8-1/2	10	1-1/8	132.00
P75-9.00	9	10-1/2	3/4	104.61
P75-9.00-125	9	10-1/2	1-1/4	122.43
P75-9.00-125B	9	10-1/2	1-1/4	113.70
P75-9.00-150B	9	10-1/2	1-1/2	125.34
P75-9.50	9-1/2	11	3/4	88.68
P75-10.00	10	11-1/2	3/4	111.89
P75-10.00-125B	10	11-1/2	1-1/4	177.28
P75-10.50	10-1/2	12	3/4	97.46
P75-10.50-100B	10-1/2	12	1	214.79
P75-10.50-125	10-1/2	12	1-1/4	213.67
P75-11.00	11	12-1/2	3/4	106.72
P75-12.00-125B	12	13-1/2	1-1/4	259.77
P75-12.50	12-1/2	14	3/4	134.18



INCH



POLYSEAL U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/4" C/S				
P75-12.50-125	12-1/2	14	1-1/4	\$ 325.57
P75-13.50	13-1/2	15	3/4	162.17
P75-14.00	14	15-1/2	3/4	161.65
P75-14.00-125B	14	15-1/2	1-1/4	315.00
P75-14.50	14-1/2	16	3/4	178.13
P75-14.50-112B	14-1/2	16	1-1/8	327.31
P75-15.50-125	15-1/2	17	1-1/4	422.03
P75-16.00	16	17-1/2	3/4	214.80
P75-16.00-125	16	17-1/2	1-1/4	377.31
P75-16.00-125B	16	17-1/2	1-1/4	371.41
P75-16.50	16-1/2	18	3/4	220.54
P75-18.00	18	19-1/2	3/4	478.59
P75-18.00-125B	18	19-1/2	1-1/4	408.76
P75-18.50-125B	18-1/2	20	1-1/4	461.55
P75-20.00-125B	20	21-1/2	1-1/4	476.27
P75-20.50	20-1/2	22	3/4	253.81
P75-22.00-125	22	23-1/2	1-1/4	824.99
P75-24.00-125	24	25-1/2	1-1/4	1133.84
P75-25.50-87	25-1/2	27	7/8	1179.61
P75-32.00-87	32	33-1/2	7/8	1401.88
P75-34.25	34-7/4	35-3/4	3/4	777.94
P75-36.00	36	37-1/2	3/4	1007.99

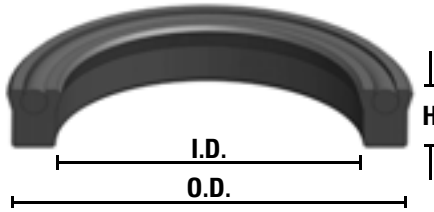
PART NUMBER	I.D.	O.D.	H	LIST PRICE
1" C/S				
P100-3.00	3	5	1	\$ 74.58
P100-4.00	4	6	1	87.22
P100-5.00	5	7	1	102.74
P100-8.00	8	10	1	152.45
P100-9.00	9	11	1	171.49
P100-10.00	10	12	1	179.06
P100-12.00-150	12	14	1-1/2	320.64
P100-14.00-150	14	16	1-1/2	389.42
P100-15.00	15	17	1	299.92
P100-16.00	16	18	1	374.96
P100-16.00-125	16	18	1-1/4	481.71
P100-18.00	18	20	1	368.55
P100-18.00-150	18	20	1-1/2	612.36
P100-19.00	19	21	1	423.42
P100-20.00	20	22	1	547.07



INCH

[SEAL INFORMATION]

H



MATERIAL

URETHANE SEAL,
O-RING EXPANDER

TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix)(CS) - (Inside Dia) - (Height)

STANDARD

Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip. Typical Part Number: P25-2.50



DEEP

Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a rectangular shape. Typical Part Number: P25-2.50-37



SQB

Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50SQB



TYPE B

Same dimensions as the Deep seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50-37B



These U-seals are molded from tough, abrasion-resistant polyurethane. The O-ring expander energizes the sealing lips, even at zero pressure, to help prevent "weeping".

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
H12-0.25	1/4	1/2	1/8	\$ 3.08
H12-0.50	1/2	3/4	1/8	2.94
H12-0.50-25	1/2	3/4	1/4	4.67
H12-0.62	5/8	7/8	1/8	3.01
H12-0.62-25	5/8	7/8	1/4	4.27
H12-0.75SQB	3/4	1	1/8	3.28
H12-0.75-25	3/4	1	1/4	4.06
H12-0.75-25B	3/4	1	1/4	3.66
H12-1.00	1	1-1/4	1/8	3.58
H12-1.00-25	1	1-1/4	1/4	4.17
H12-1.00-25B	1	1-1/4	1/4	3.96
H12-1.00SQB	1	1-1/4	1/8	3.40
H12-1.12-25B	1-1/8	1-3/8	1/4	4.12
H12-1.18-18	1-3/16	1-7/16	3/16	5.22
H12-1.25	1-1/4	1-1/2	1/8	3.88
H12-1.25-25	1-1/4	1-1/2	1/4	5.00
H12-1.25-25B	1-1/4	1-1/2	1/4	4.29
H12-1.37	1-3/8	1-5/8	1/8	3.81
H12-1.37-25	1-3/8	1-5/8	1/4	5.47
H12-1.37-25B	1-3/8	1-5/8	1/4	4.65
H12-1.50SQB	1-1/2	1-3/4	1/8	4.16
H12-1.50-25	1-1/2	1-3/4	1/4	5.99
H12-1.62-25	1-5/8	1-7/8	1/4	5.31
H12-1.75SQB	1-3/4	2	1/8	4.65
H12-1.75-25	1-3/4	2	1/4	6.12
H12-2.00-25	2	2-1/4	1/4	7.60
3/16" C/S				
H18-0.50-31B	1/2	7/8	5/16	\$ 3.39
H18-0.75-31	3/4	1-1/8	5/16	5.01

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
H18-0.87-31B	7/8	1-1/4	3/8	\$ 4.71
H18-1.00	1	1-3/8	3/16	4.92
H18-1.00SQB	1	1-3/8	3/16	3.98
H18-1.00-31B	1	1-3/8	5/16	3.79
H18-1.12-25	1-1/8	1-1/2	1/4	5.16
H18-1.12-31	1-1/8	1-1/2	5/16	5.15
H18-1.25-31B	1-1/4	1-5/8	3/16	4.43
H18-1.37-31B	1-3/8	1-3/4	5/16	5.40
H18-1.50-25B	1-1/2	1-7/8	1/4	4.88
H18-1.50-31B	1-1/2	1-7/8	5/16	5.11
H18-1.50-37	1-1/2	1-7/8	1/2	4.90
H18-1.50-37B	1-1/2	1-7/8	3/8	4.88
H18-1.62	1-5/8	2	3/16	4.82
H18-1.62-31	1-5/8	2	5/16	5.61
H18-1.62-37B	1-5/8	2	3/8	5.76
H18-1.75	1-3/4	2-1/8	3/16	4.89
H18-1.75-25B	1-3/4	2-1/8	1/4	5.77
H18-1.75-37	1-3/4	2-1/8	3/8	6.10
H18-1.75-37B	1-3/4	2-1/8	3/8	5.50
H18-2.00-31B	2	2-3/8	5/16	6.12
H18-2.00-37	2	2-3/8	3/8	7.14
H18-2.00-37B	2	2-3/8	3/8	6.12
H18-2.12	2-1/8	2-1/2	3/16	5.03
H18-2.12-37B	2-1/8	2-1/2	3/8	6.36
H18-2.37	2-3/8	2-3/4	3/16	5.50
H18-2.37-37B	2-3/8	2-3/4	3/8	9.48
H18-2.37SQB	2-3/8	2-3/4	3/16	5.24
H18-2.50-25B	2-1/2	2-7/8	1/4	8.57
H18-2.50-37B	2-1/2	2-7/8	3/8	7.39



O-RING LOADED U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
H18-2.62-37B	2-5/8	3	3/8	\$ 8.53
H18-3.00SQB	3	3-3/8	3/16	6.76
H18-3.00-37B	3	3-3/8	3/8	9.40
H18-3.12-37B	3-1/8	3-1/2	3/8	6.86
H18-3.12SQB	3-1/8	3-1/2	3/16	10.73
H18-3.25-37B	3-1/4	3-5/8	3/8	10.58
H18-3.37-37B	3-3/8	3-3/4	3/8	13.96
H18-3.50-37B	3-1/2	3-7/8	3/8	10.65
H18-3.50SQB	3-1/2	3-7/8	3/16	6.76
H18-3.62-37B	3-5/8	4	3/8	11.82
H18-4.00-37B	4	4-3/8	3/8	10.93
H18-4.00-37B	4	4-3/8	3/8	13.12
1/4" C/S				
H25-0.75-37B	3/4	1-1/4	3/8	\$ 4.59
H25-1.00SQB	1	1-1/2	1/4	4.15
H25-1.00-37B	1	1-1/2	3/8	5.09
H25-1.25-37	1-1/4	1-3/4	3/8	5.28
H25-1.25-37B	1-1/4	1-3/4	3/8	4.76
H25-1.50	1-1/2	2	1/4	4.97
H25-1.50-37	1-1/2	2	3/8	5.68
H25-1.50-37B	1-1/2	2	3/8	5.65
H25-1.75	1-3/4	2-1/4	1/4	5.56
H25-1.75-37	1-3/4	2-1/4	3/8	6.21
H25-1.75-37B	1-3/4	2-1/4	3/8	6.16
H25-2.00	2	2-1/2	1/4	6.16
H25-2.00-37	2	2-1/2	3/8	6.76
H25-2.00-37B	2	2-1/2	3/8	6.71
H25-2.00SQB	2	2-1/2	1/4	6.16
H25-2.25-37	2-1/4	2-3/4	3/8	7.62
H25-2.25-37B	2-1/4	2-3/4	3/8	7.56
H25-2.37-37	2-3/8	2-7/8	3/8	9.23
H25-2.50	2-1/2	3	1/4	7.44
H25-2.50-31	2-1/2	3	5/16	11.62
H25-2.50-37	2-1/2	3	3/8	8.36
H25-2.50-37B	2-1/2	3	3/8	8.31
H25-2.75	2-3/4	3-1/4	1/4	8.06
H25-2.75-37B	2-3/4	3-1/4	3/8	9.08
H25-3.00	3	3-1/2	1/4	8.69
H25-3.00-37	3	3-1/2	3/8	9.87
H25-3.00-37B	3	3-1/2	3/8	9.81
H25-3.12-37	3-1/8	6-5/8	1/4	11.68
H25-3.25	3-1/4	3-3/4	1/4	9.76
H25-3.25-37B	3-1/4	3-3/4	3/8	10.48
H25-3.50	3-1/2	4	1/4	10.46
H25-3.50-37	3-1/2	4	3/8	11.39
H25-3.50-37B	3-1/2	4	3/8	11.33
H25-3.50SQB	3-1/2	4	1/4	9.96
H25-3.75-37B	3-3/4	4-1/4	3/8	13.27
H25-4.00	4	4-1/2	1/4	11.75
H25-4.00-37	4	4-1/2	3/8	13.13

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
H25-4.00-37B	4	4-1/2	3/8	\$ 13.05
H25-4.00-56	4	4-1/2	9/16	13.38
H25-4.00-56B	4	4-1/2	9/16	13.05
H25-4.25-37B	4-1/4	4-3/4	3/8	13.71
H25-4.25-56B	4-1/4	4-3/4	9/16	15.59
H25-4.50	4-1/2	5	1/4	12.46
H25-4.50-37	4-1/2	5	3/8	15.57
H25-4.50-37B	4-1/2	5	3/8	15.48
H25-4.50-56	4-1/2	5	9/16	15.87
H25-4.50-56B	4-1/2	5	9/16	15.48
H25-4.87-56	4-7/8	5-3/8	9/16	23.78
H25-5.00	5	5-1/2	1/4	13.72
H25-5.00-37	5	5-1/2	3/8	19.81
H25-5.00-37B	5	5-1/2	3/8	17.85
H25-5.00-56	5	5-1/2	9/16	20.18
H25-5.00-56B	5	5-1/2	9/16	17.85
H25-5.00SQB	5	5-1/2	1/4	14.41
H25-5.50	5-1/2	6	1/4	14.98
H25-5.50-37	5-1/2	6	3/8	22.03
H25-5.50-37B	5-1/2	6	3/8	20.85
H25-5.50-56B	5-1/2	6	9/16	22.99
H25-5.75-56B	5-3/4	6-1/4	9/16	22.69
H25-6.00-37	6	6-1/2	3/8	29.26
H25-6.00-50B	6	6-1/2	1/2	27.36
H25-6.00-56	6	6-1/2	9/16	24.07
H25-6.00-56B	6	6-1/2	9/16	23.47
H25-6.50	6-1/2	7	1/4	18.05
H25-6.50-37	6-1/2	7	3/8	26.64
H25-6.50-37B	6-1/2	7	3/8	25.20
H25-6.50-56	6-1/2	7	9/16	26.64
H25-7.00-37	7	7-1/2	3/8	29.88
H25-7.00-37B	7	7-1/2	3/8	31.19
H25-7.00-56	7	7-1/2	9/16	33.98
H25-7.00-56B	7	7-1/2	9/16	25.98
H25-7.50	7-1/2	8	1/4	19.63
H25-7.50-56	7-1/2	8	9/16	28.26
5/16" C/S				
H31-1.37	1-3/8	2	5/16	\$ 6.06
H31-2.37-50	2-3/8	3	1/2	11.02
H31-2.37-50B	2-3/8	3	1/2	9.30
H31-2.50-50B	2-1/2	3-1/8	1/2	9.68
H31-2.87	2-7/8	3-1/2	5/16	10.47
H31-3.37-50B	3-3/8	4	1/2	13.36
H31-4.37-56B	4-3/8	5	9/16	16.99
H31-6.37SQB	6-3/8	7	5/16	20.42
H31-7.37	7-3/8	8	5/16	23.36
3/8" C/S				
H37-1.75-50B	1-3/4	2-1/2	1/2	\$ 7.59
H37-2.00-62B	2	2-3/4	5/8	11.56
H37-2.25	2-1/4	3	3/8	11.17



INCH

O-RING LOADED U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
H37-2.25-62B	2-1/4	3	5/8	\$ 14.25
H37-2.50SQB	2-1/2	3-1/4	3/8	12.67
H37-2.50-62B	2-1/2	3-1/4	5/8	15.63
H37-2.75-62B	2-3/4	3-1/2	5/8	17.04
H37-3.25-62B	3-1/4	4	5/8	15.33
H37-3.25	3-1/4	4	3/8	17.91
H37-3.37-62B	3-3/8	4-1/8	5/8	21.85
H37-3.50-50	3-1/2	4-1/4	1/2	19.51
H37-3.50-50B	3-1/2	4-1/4	1/2	15.55
H37-3.50-62	3-1/2	4-1/4	5/8	20.49
H37-3.50-62B	3-1/2	4-1/4	5/8	18.12
H37-3.75-50	3-3/4	4-1/2	1/2	20.79
H37-3.75-62B	3-3/4	6	5/8	20.41
H37-4.00-50	4	4-3/4	1/2	25.21
H37-4.00-62	4	4-3/4	5/8	22.73
H37-4.00-62B	4	4-3/4	5/8	20.49
H37-4.25SQB	4-1/4	5	3/8	21.76
H37-4.25-50	4-1/4	5	1/2	27.96
H37-4.25-62	4-1/4	5	5/8	27.96
H37-4.50-50	4-1/2	5-1/4	1/2	24.21
H37-5.00-50B	5	5-3/4	1/2	27.17
H37-5.00-62B	5	5-3/4	5/8	24.65
H37-5.25	5-1/4	6	3/8	23.83
H37-5.25-50	5-1/4	6	1/2	25.85
H37-5.25-62	5-1/4	6	5/8	25.85
H37-5.50-50B	5-1/2	6-1/4	1/2	32.04
H37-5.50-62B	5-1/2	6-1/4	5/8	30.17

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
H37-5.75-62B	5-3/4	6-1/2	5/8	\$ 30.69
H37-6.00-62B	6	6-3/4	5/8	28.46
H37-6.00SQB	6	6-3/4	3/8	31.01
H37-6.25	6-1/4	7	3/8	27.11
H37-6.25-62	6-1/4	7	5/8	29.45
H37-7.25-62	7-1/4	8	5/8	34.08
H37-7.25-62B	7-1/4	8	5/8	35.56
H37-8.25-62B	8-1/4	9	5/8	37.58
H37-8.75-62	8-3/4	9-1/2	5/8	49.75
H37-11.25	11-1/4	12	3/8	45.03
1/2" C/S				
H50-4.00-75B	4	5	3/4	\$ 30.87
H50-5.00-75B	5	6	3/4	34.08
H50-6.00-75B	6	7	3/4	37.49
H50-7.00-75	7	8	3/4	43.37
H50-7.00-75B	7	8	3/4	41.04
H50-7.50-75	7-1/2	8-1/2	3/4	44.13
H50-8.00-75	8	9	3/4	49.29
H50-8.00-75B	8	9	3/4	46.83
H50-8.50-75	8-1/2	9-1/2	1/2	56.61
H50-9.00	9	10	1/2	47.22
H50-9.00-75	9	10	3/4	57.63
H50-9.00-75B	9	10	3/4	54.55
H50-10.00-75B	10	11	3/4	76.75
H50-13.00	13	14	1/2	67.73
H50-13.00-75	13	14	3/4	117.40
H50-15.00-75B	15	16	3/4	156.62



INCH

[SEAL INFORMATION]

P-V



MATERIAL

90A FLUOROCARBON

TEMPERATURE RANGE

-20° TO +400° F

PRESSURE RANGE

0 TO 2,000 PSI

PART NUMBER

(Prefix)(CS) - (Inside Dia) - (Height)



STANDARD

Height and cross section are equal, thus giving a square seal. Utilizes type "D" lip. Typical Part Number: P25-2.50



DEEP

Utilizes the same "D" lip, but the seal height is greater than the cross section, thus giving a rectangular shape. Typical Part Number: P25-2.50N-37



TYPE SQB

Same dimensions as the Standard seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50N-SQB



TYPE B

Same dimensions as the Deep seal. Beveled lip design provides better film breaking. Utilizes type "B" lip. Typical Part Number: P25-2.50-37B

These fluorocarbon seals, while compatible with a broader range of fluids, will also operate continuously at temperatures from -20° to +400° F. NOTE: If you are not sure of fluid/seal compatibility, contact us at 1-800-669-9638.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-0.25V	1/4	1/2	1/8	\$ 13.39
P12-0.31V	5/16	9/16	1/8	13.39
P12-0.31SQBV	5/16	9/16	1/8	12.45
P12-0.37V	3/8	5/8	1/8	13.39
P12-0.37SQBV	3/8	5/8	1/8	12.45
P12-0.37-25DV	3/8	5/8	1/4	17.48
P12-0.43-25BV	7/16	11/16	1/4	18.81
P12-0.50V	1/2	3/4	1/8	13.21
P12-0.50SQBV	1/2	3/4	1/8	13.21
P12-0.50-25BV	1/2	3/4	1/4	14.48
P12-0.56V	9/16	13/16	1/8	13.92
P12-0.56-25BV	9/16	13/16	1/4	20.14
P12-0.62V	5/8	7/8	1/8	13.28
P12-0.62SQBV	5/8	7/8	1/8	13.28
P12-0.62-25BV	5/8	7/8	1/4	15.02
P12-0.68V	11/16	15/16	1/8	15.19
P12-0.75V	3/4	1	1/8	13.92
P12-0.75SQBV	3/4	1	1/8	13.92
P12-0.75-25DV	3/4	1	1/4	18.16
P12-0.75-25BV	3/4	1	1/4	18.16
P12-0.81V	13/16	1-1/6	1/8	15.18
P12-0.81SQBV	13/16	1-1/16	1/8	15.18
P12-0.87V	7/8	1-1/8	1/8	14.83
P12-0.87SQBV	7/8	1-1/8	1/8	14.83
P12-0.87-25DV	7/8	1-1/8	1/4	17.87
P12-0.93SQBV	15/16	1-3/16	1/8	14.87
P12-1.00V	1	1-1/4	1/8	15.23
P12-1.00SQBV	1	1-1/4	1/8	15.23
P12-1.00-25DV	1	1-1/4	1/4	18.74
P12-1.00-25BV	1	1-1/4	1/4	18.74

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-1.06V	1-1/16	1-5/16	1/8	\$ 17.17
P12-1.06-25DV	1-1/16	1-5/16	1/4	23.78
P12-1.12V	1-1/8	1-3/8	1/8	17.42
P12-1.12SQBV	1-1/8	1-3/8	1/8	17.42
P12-1.12-25DV	1-1/8	1-3/8	1/4	25.32
P12-1.12-25BV	1-1/8	1-3/8	1/4	25.32
P12-1.18V	1-3/16	1-7/16	1/8	16.81
P12-1.18-25BV	1-3/16	1-7/16	1/4	20.50
P12-1.25V	1-1/4	1-1/2	1/8	16.51
P12-1.25SQBV	1-1/4	1-1/2	1/8	16.51
P12-1.25-25DV	1-1/4	1-1/2	1/4	22.41
P12-1.25-25BV	1-1/4	1-1/2	1/4	22.41
P12-1.31V	1-5/16	1-9/16	1/8	18.39
P12-1.37V	1-3/8	1-5/8	1/8	16.20
P12-1.37-25DV	1-3/8	1-5/8	1/4	24.02
P12-1.50V	1-1/2	1-3/4	1/8	17.71
P12-1.50SQBV	1-1/2	1-3/4	1/8	17.71
P12-1.50-25DV	1-1/2	1-3/4	1/8	26.83
P12-1.50-25BV	1-1/2	1-3/4	1/4	26.83
P12-1.62V	1-5/8	1-7/8	1/8	20.26
P12-1.62SQBV	1-5/8	1-7/8	1/8	22.76
P12-1.75V	1-3/4	2	1/4	19.83
P12-1.75SQBV	1-3/4	2	1/8	19.83
P12-1.87-25BV	1-7/8	2-1/8	1/4	21.69
P12-2.00V	2	2-1/4	1/8	34.03
P12-2.00-25DV	2	2-1/4	1/4	25.49
P12-2.25-25BV	2-1/4	2-1/2	1/4	34.18
P12-2.50-25DV	2-1/2	2-3/4	1/4	37.78
P12-3.00-25DV	3	3-1/4	1/4	43.05
P12-3.62-18BV	3-5/8	3-7/8	3/16	34.58



POLYSEAL FLUOROCARBON U-SEALS

65

U-SEALS



INCH

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/32" C/S				
P15-1.00V	1	1-5/16	5/32	\$ 17.78
P15-1.00-23BV	1	1-5/16	15/64	18.43
P15-1.18V	1-1/8	1-1/2	5/32	18.41
P15-1.37V	1-3/8	1-11/16	5/32	20.07
P15-2.06-25BV	2-1/16	2-3/8	1/4	28.77
3/16" C/S				
P18-0.37V	3/8	3/4	3/16	\$ 13.69
P18-0.50V	1/2	7/8	3/16	14.37
P18-0.50-31BV	1/2	7/8	5/16	14.41
P18-0.62V	5/8	1	3/16	15.29
P18-0.62-31BV	5/8	1	5/16	15.44
P18-0.75V	3/4	1-1/8	3/16	15.34
P18-0.75-31DV	3/4	1-1/8	5/16	22.33
P18-0.75-31BV	3/4	1-1/8	5/16	22.33
P18-0.87SQBV	7/8	1-1/4	3/16	17.03
P18-0.87-31DV	7/8	1-1/4	5/16	22.81
P18-1.00V	1	1-3/8	3/16	16.94
P18-1.00-31BV	1	1-3/8	5/16	17.99
P18-1.06V	1-1/16	1-7/16	3/16	19.09
P18-1.12V	1-1/8	1-1/2	3/16	18.61
P18-1.12-31DV	1-1/8	1-1/2	5/16	23.09
P18-1.12-31BV	1-1/8	1-1/2	5/16	23.09
P18-1.18V	1-3/16	1-9/16	3/16	20.04
P18-1.25V	1-1/4	1-5/8	3/16	18.38
P18-1.25-31BV	1-1/4	1-5/8	5/16	19.38
P18-1.37V	1-3/8	1-3/4	3/16	20.08
P18-1.37SQBV	1-3/8	1-3/4	3/16	18.21
P18-1.37-25BV	1-3/8	1-3/4	1/4	21.34
P18-1.37-31DV	1-3/8	1-3/4	5/16	23.74
P18-1.37-31BV	1-3/8	1-3/4	5/16	23.74
P18-1.43V	1-7/16	1-13/16	3/16	23.30
P18-1.50V	1-1/2	1-7/8	3/16	19.60
P18-1.50-25BV	1-1/2	1-7/8	1/4	20.73
P18-1.50-37BV	1-1/2	1-7/8	3/8	21.72
P18-1.62V	1-5/8	2	3/16	20.37
P18-1.62-37DV	1-5/8	2	3/8	25.85
P18-1.62-37BV	1-5/8	2	3/8	25.85
P18-1.68V	1-11/16	2-1/16	3/16	22.81
P18-1.75V	1-3/4	2-1/8	3/16	20.83
P18-1.75SQBV	1-3/4	2-1/8	3/16	20.83
P18-1.75-31DV	1-3/4	2-1/8	5/16	28.44
P18-1.75-31BV	1-3/4	2-1/8	5/16	28.44
P18-1.75-37BV	1-3/4	2-1/8	3/8	26.63
P18-1.87V	1-7/8	2-1/4	3/16	22.41
P18-1.87-37BV	1-7/8	2-1/4	3/8	24.77
P18-2.00V	2	2-3/8	3/16	21.77
P18-2.00SQBV	2	2-3/8	3/16	21.77
P18-2.00-23BV	2	2-3/8	15/64	28.77
P18-2.00-31BV	2	2-3/8	5/16	26.08
P18-2.00-37BV	2	2-3/8	3/8	26.83
P18-2.12V	2-1/8	2-1/2	3/16	21.41
P18-2.12-31BV	2-1/8	2-1/2	5/16	32.24
P18-2.12-37BV	2-1/8	2-1/2	3/8	27.08

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
P18-2.25V	2-1/4	2-5/8	3/16	\$ 23.92
P18-2.37V	2-3/8	2-3/4	3/16	24.98
P18-2.37-37BV	2-3/8	2-3/4	3/8	33.44
P18-2.50V	2-1/2	2-7/8	3/16	24.84
P18-2.50SQBV	2-1/2	2-7/8	3/16	30.02
P18-2.50-25DV	2-1/2	2-7/8	1/4	36.81
P18-2.50-37BV	2-1/2	2-7/8	3/8	36.81
P18-2.62V	2-5/8	3	3/16	24.71
P18-2.62SQBV	2-5/8	3	3/16	24.71
P18-2.62-37DV	2-5/8	3	3/8	38.27
P18-2.62-37BV	2-5/8	3	3/8	38.27
P18-2.75V	2-3/4	3-1/8	3/16	26.25
P18-2.75-37BV	2-3/4	3-1/8	3/8	35.95
P18-2.87V	2-7/8	3-1/4	3/16	26.32
P18-3.00V	3	3-3/8	3/16	30.69
P18-3.00-37BV	3	3-3/8	3/8	40.04
P18-3.12V	3-1/8	3-1/2	3/16	30.66
P18-3.25V	3-1/4	3-5/8	3/16	32.32
P18-3.25-37BV	3-1/4	3-5/8	3/8	45.03
P18-3.37V	3-3/8	3-3/4	3/16	34.36
P18-3.37-37DV	3-3/8	3-3/4	3/8	63.16
P18-3.50V	3-1/2	3-7/8	3/16	37.66
P18-3.50-37DV	3-1/2	3-7/8	3/8	63.62
P18-3.50-37BV	3-1/2	3-7/8	3/8	63.62
P18-3.62V	3-5/8	4	3/16	35.95
P18-3.62-37BV	3-5/8	4	3/8	50.02
P18-3.75-37BV	3-3/4	4-1/8	3/8	52.83
P18-4.00V	4	4-3/8	3/16	45.23
P18-4.00-37BV	4	4-3/8	3/8	55.87
P18-4.12V	4-1/8	4-1/2	3/16	47.91
P18-4.37-37DV	3-3/4	4-3/8	3/8	82.87
P18-4.50-31DV	4-1/2	4-7/8	5/16	71.49
P18-4.50-37BV	4-1/2	4-7/8	3/8	71.49
P18-4.75-37BV	4-3/4	5-1/8	3/8	80.89
7/32" C/S				
P21-2.50V	2-1/2	2-15/16	7/32	\$ 32.43
P21-2.81V	2-13/16	3-1/4	7/32	40.12
P21-3.00V	3	3-7/16	7/32	40.47
P21-3.00-31BV	3	3-7/16	5/16	52.21
1/4" C/S				
P25-0.50-37BV	1/2	1	3/8	\$ 21.50
P25-0.62V	5/8	1-1/8	1/4	17.88
P25-0.62-37BV	5/8	1-1/8	3/8	19.53
P25-0.75-37BV	3/4	1-1/4	3/8	20.47
P25-0.87V	7/8	1-3/8	1/4	19.15
P25-0.87-37BV	7/8	1-3/8	3/8	20.17
P25-0.93V	15/16	1-7/16	1/4	23.94
P25-1.00V	1	1-1/2	1/4	19.17
P25-1.00-SQBV	1	1-1/2	1/4	19.17
P25-1.00-31BV	1	1-1/2	5/16	21.50
P25-1.00-37BV	1	1-1/2	3/8	21.50
P25-1.12V	1-1/8	1-5/8	1/4	19.17
P25-1.12-37BV	1-1/8	1-5/8	3/8	21.11



PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-1.25V	1-1/4	1-3/4	1/4	\$ 18.60
P25-1.25-SQBV	1-1/4	1-3/4	1/4	18.60
P25-1.25-37BV	1-1/4	1-3/4	3/8	20.82
P25-1.37V	1-3/8	1-7/8	1/4	22.18
P25-1.37-37BV	2-5/8	3	3/8	24.81
P25-1.50V	1-1/2	2	1/4	21.12
P25-1.50-37DV	1-1/2	2	3/8	25.49
P25-1.50-37BV	1-1/2	2	3/8	25.49
P25-1.62V	1-5/8	2-1/8	1/4	24.74
P25-1.62-37BV	1-5/8	2-1/8	3/8	26.10
P25-1.75V	1-3/4	2-1/4	1/4	23.62
P25-1.75-37DV	1-3/4	2-1/4	3/8	28.57
P25-1.75-37BV	1-3/4	2-1/4	3/8	28.57
P25-1.87V	1-7/8	2-3/8	1/4	27.42
P25-1.87-37BV	1-7/8	2-3/8	3/8	28.76
P25-2.00V	2	2-1/2	1/4	26.24
P25-2.00-37DV	2	2-1/2	3/8	30.30
P25-2.00-37BV	2	2-1/2	3/8	30.30
P25-2.12V	2-1/8	2-5/8	1/4	32.02
P25-2.12-37BV	2-1/8	2-5/8	1/4	33.56
P25-2.25V	2-1/4	2-3/4	1/4	31.79
P25-2.25-37DV	2-1/4	2-3/4	3/8	34.14
P25-2.25-37BV	2-1/4	2-3/4	3/8	34.14
P25-2.37-37BV	2-3/8	2-7/8	3/8	35.38
P25-2.50V	2-1/2	3	1/4	31.66
P25-2.50SQBV	2-1/2	3	1/4	31.66
P25-2.50-28BV	2-1/2	3	13/16	46.39
P25-2.50-37DV	2-1/2	3	3/8	37.48
P25-2.50-37BV	2-1/2	3	3/8	37.48
P25-2.62V	2-5/8	3-1/8	1/4	35.61
P25-2.62-37DV	2-5/8	3-1/8	3/8	53.43
P25-2.62-37BV	2-5/8	3-1/8	3/8	53.43
P25-2.75V	2-3/4	3-1/4	1/4	34.33
P25-2.75-37DV	2-3/4	3-1/4	3/8	40.97
P25-2.75-37BV	2-3/4	3-1/4	3/8	40.97
P25-3.00V	3	3-1/2	1/4	36.92
P25-3.00SQBV	3	3-1/2	1/4	36.92
P25-3.00-37DV	3	3-1/2	3/8	44.23
P25-3.00-37BV	3	3-1/2	3/8	44.23
P25-3.12-37DV	3-1/8	3-5/8	3/8	52.65
P25-3.25V	3-1/4	3-3/4	1/4	41.59
P25-3.25-37DV	3-1/4	3-3/4	3/8	54.75
P25-3.25-37BV	3-1/4	3-3/4	3/8	54.75
P25-3.37V	3-3/8	3-7/8	1/4	45.10
P25-3.37-37DV	3-3/8	3-7/8	3/8	52.92
P25-3.37-37BV	3-3/8	3-7/8	3/8	52.92
P25-3.50V	3-1/2	4	1/4	44.48
P25-3.50-37DV	3-1/2	4	3/8	51.07
P25-3.50-37BV	3-1/2	4	3/8	51.07
P25-3.75V	3-3/4	4-1/4	1/4	52.22
P25-3.75-37DV	3-3/4	4-1/4	3/8	59.53
P25-3.75-37BV	3-3/4	4-1/4	3/8	59.53
P25-3.87V	3-7/8	4-3/8	1/4	53.62

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-4.00V	4	4-1/2	1/4	\$ 50.02
P25-4.00-37DV	4	4-1/2	3/8	61.07
P25-4.00-37BV	4	4-1/2	3/8	61.07
P25-4.00-56DV	4	4-1/2	9/16	63.10
P25-4.00-56BV	4	4-1/2	9/16	63.10
P25-4.12V	4-1/8	4-5/8	1/4	54.11
P25-4.25V	4-1/4	4-3/4	1/4	52.83
P25-4.25-56DV	4-1/4	4-3/4	9/16	73.89
P25-4.25-56BV	4-1/4	4-3/4	9/16	73.89
P25-4.37V	4-3/8	4-7/8	1/4	56.92
P25-4.37-56DV	4-3/8	4-7/8	9/16	78.25
P25-4.50V	4-1/2	5	1/4	53.04
P25-4.50-37DV	4-1/2	5	3/8	69.84
P25-4.50-37BV	4-1/2	5	3/8	69.84
P25-4.50-56BV	4-1/2	5	9/16	77.21
P25-4.62V	4-5/8	5-1/8	1/4	73.93
P25-4.75V	4-3/4	5-1/4	1/4	58.52
P25-4.87V	4-7/8	4-3/8	1/4	64.70
P25-4.75-37DV	4-3/4	5-1/4	3/8	109.24
P25-4.75-56BV	4-3/4	5-1/4	9/16	72.88
P25-5.00V	5	5-1/2	1/4	58.41
P25-5.00-37BV	5	5-1/2	3/8	76.02
P25-5.00-56DV	5	5-1/2	9/16	93.07
P25-5.00-56BV	5	5-1/2	9/16	93.07
P25-5.25-56DV	5-1/4	5-3/4	9/16	115.51
P25-5.25-56BV	5-1/4	5-3/4	9/16	115.51
P25-5.37V	5-3/8	5-7/8	1/4	65.50
P25-5.50V	5-1/2	6	1/4	63.77
P25-5.50-37BV	5-1/2	6	3/8	91.31
P25-5.50-56DV	5-1/2	6	9/16	99.74
P25-6.00V	6	6-1/2	1/4	72.79
P25-6.00-37DV	6	6-1/2	3/8	131.20
P25-6.00-56BV	6	6-1/2	9/16	120.48
P25-6.25V	6-1/4	6-3/4	1/4	81.59
P25-6.25-56DV	6-1/4	6-3/4	9/16	116.87
P25-6.50V	6-1/2	7	1/4	76.83
P25-6.50-37BV	6-1/2	7	3/8	107.30
P25-6.50-56BV	6-1/2	7	9/16	130.38
P25-6.75-56BV	6-3/4	7-1/4	9/16	134.73
P25-7.00-56BV	7	7-1/2	9/16	120.35
P25-7.25V	7-1/4	7-3/4	1/4	105.20
P25-7.25-56BV	7-1/4	7-3/4	9/16	145.63
P25-7.50V	7-1/2	8	1/4	95.09
P25-7.50-56DV	7-1/2	8	9/16	132.76
P25-8.00-56BV	8	8-1/2	9/16	149.51
P25-9.00V	9	9-1/2	1/4	111.67
P25-9.50V	9-1/2	10	1/4	112.86
P25-10.00V	10	10-1/2	1/4	155.07
9/32" C/S				
P28-5.43V	5-7/16	6	9/32	\$ 117.28

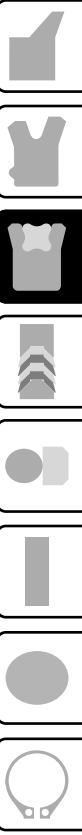
POLYSEAL FLUOROCARBON U-SEALS

67

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/16" C/S				
P31-1.00V	1	1-5/8	5/16	\$ 24.01
P31-1.12V	1-1/8	1-3/4	5/16	24.56
P31-1.12-50BV	1-1/8	1-3/4	1/2	27.68
P31-1.18V	1-3/16	1-13/16	5/16	24.66
P31-1.25V	1-1/4	1-7/8	5/16	22.27
P31-1.25-50BV	1-1/4	1-7/8	1/2	24.59
P31-1.37V	1-3/8	2	5/16	25.72
P31-1.37-50BV	1-3/8	2	1/2	26.38
P31-1.50V	1-1/2	2-1/8	5/16	26.17
P31-1.62V	1-5/8	2-1/4	5/16	29.44
P31-1.62-50BV	1-5/8	2-1/4	1/2	32.47
P31-1.75V	1-3/4	2-3/8	5/16	29.49
P31-1.75SQBV	1-3/4	2-3/8	5/16	42.11
P31-1.75-50BV	1-3/4	2-3/8	1/2	32.72
P31-1.87V	1-7/8	2-1/2	5/16	31.52
P31-2.00V	2	2-5/8	5/16	33.01
P31-2.00-50BV	2	2-5/8	1/2	34.54
P31-2.12V	2-1/8	2-3/4	5/16	36.55
P31-2.12-50BV	2-1/8	2-3/4	1/2	38.13
P31-2.25V	2-1/4	2-7/8	5/16	36.19
P31-2.37V	2-3/8	3	5/16	36.24
P31-2.37-50BV	2-3/8	3	1/2	39.54
P31-2.50V	2-1/2	3-1/8	5/16	37.75
P31-2.50-50DV	2-1/2	3-1/8	1/2	43.66
P31-2.62V	2-5/8	3-1/4	5/16	43.37
P31-2.62-50BV	2-5/8	3-1/4	1/2	43.96
P31-2.75V	2-3/4	3-3/8	5/16	43.23
P31-2.75-50BV	2-3/4	3-3/8	1/2	47.07
P31-2.87-50BV	2-7/8	3-1/2	1/2	48.72
P31-3.00V	3	3-5/8	5/16	46.49
P31-3.00-50BV	3	3-5/8	1/2	48.33
P31-3.25V	3-1/4	3-7/8	5/16	49.72
P31-3.37-50DV	3-3/8	4	1/2	63.01
P31-3.50V	3-1/2	4-1/8	5/16	53.69
P31-3.50-50B	3-1/2	4-1/8	1/2	61.94
P31-3.62V	3-5/8	4-1/4	5/16	57.98
P31-3.75-50BV	3-3/4	4-3/8	1/2	62.84
P31-4.00V	4	4-5/8	5/16	63.56
P31-4.00-56BV	4	4-5/8	9/16	74.57
P31-4.25-56BV	4-1/4	4-7/8	9/16	78.30
P31-4.37V	4-3/8	5	5/16	63.44
P31-4.37-50DV	4-3/8	5	1/2	87.69
P31-4.50V	4-1/2	5-1/8	5/16	88.63
P31-5.00V	5	5-5/8	5/16	92.79
P31-5.37V	5-3/8	6	5/16	76.06
P31-5.50V	5-1/2	6-1/8	5/16	85.57
P31-5.50-50BV	5-1/2	6-1/8	1/2	95.94
P31-6.37V	6-3/8	7	5/16	92.76
P31-6.62-62DV	6-5/8	7-1/4	5/8	188.79
P31-6.87-62DV	6-7/8	7-1/2	5/8	194.21
P31-7.37V	7-3/8	8	5/16	99.45

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-0.62V	5/8	1-3/8	3/8	\$ 26.96
P37-1.00V	1	1-3/4	3/8	31.63
P37-1.25V	1-1/4	2	3/8	31.57
P37-1.75V	1-3/4	2-1/2	3/8	50.42
P37-1.75-62BV	1-3/4	2-1/2	5/8	53.79
P37-2.00V	2	2-3/4	3/8	44.62
P37-2.12V	2-1/8	2-7/8	3/8	54.14
P37-2.25V	2-1/4	3	3/8	47.50
P37-2.25-50BV	2-1/4	3	1/2	54.69
P37-2.25-62DV	2-1/4	3	5/8	65.14
P37-2.37V	2-3/8	3-1/8	3/8	54.55
P37-2.50V	2-1/2	3-1/4	3/8	51.35
P37-2.50-62DV	2-1/2	3-1/4	5/8	70.06
P37-2.62-62DV	2-5/8	3-3/8	5/8	71.95
P37-2.75V	2-3/4	3-1/2	3/8	56.49
P37-2.75-62BV	2-3/4	3-1/2	5/8	65.36
P37-2.87-62DV	2-7/8	3-5/8	5/8	77.82
P37-3.00V	3	3-3/4	3/8	61.57
P37-3.00-62DV	3	3-3/4	5/8	79.25
P37-3.00-62BV	3	3-3/4	5/8	79.25
P37-3.25V	3-1/4	4	3/8	65.28
P37-3.25-62DV	3-1/4	4	5/8	80.29
P37-3.25-62BV	3-1/4	4	5/8	80.29
P37-3.37V	3-1/4	4	3/8	88.16
P37-3.37-62BV	3-3/8	4-1/8	5/8	93.06
P37-3.50V	3-1/2	4-1/4	3/8	70.28
P37-3.50-62BV	3-1/2	4-1/4	5/8	77.14
P37-3.62-62BV	3-5/8	3-3/8	5/8	83.66
P37-3.75-46DV	3-3/4	4-1/2	15/32	110.89
P37-3.75-50BV	3-3/4	4-1/2	1/2	117.02
P37-3.75-62BV	3-3/4	4-1/2	5/8	82.22
P37-4.00V	4	4-3/4	3/8	78.79
P37-4.00-50DV	4	4-3/4	1/2	109.58
P37-4.00-62BV	4	4-3/4	5/8	87.26
P37-4.25V	4-1/4	5	3/8	88.96
P37-4.25-50DV	4-1/4	5	1/2	96.69
P37-4.25-62DV	4-1/4	5	5/8	104.05
P37-4.37V	4-3/8	5-1/8	3/8	102.45
P37-4.37-62BV	4-3/8	5-1/8	5/8	117.87
P37-4.50V	4-1/2	5-1/4	3/8	87.68
P37-4.50-62BV	4-1/2	5-1/4	5/8	95.76
P37-4.62-62BV	4-5/8	6-3/8	5/8	102.86
P37-4.75SQBV	4-3/4	5-1/2	3/8	104.45
P37-4.75-50DV	4-3/4	5-1/2	1/2	138.07
P37-4.75-62BV	4-3/4	5-1/2	5/8	112.25
P37-5.00V	5	5-3/4	3/8	116.23
P37-5.00-62BV	5	5-3/4	5/8	104.93
P37-5.25V	5-1/4	6	3/8	108.22
P37-5.25-62DV	5-1/4	6	5/8	119.81
P37-5.25-62BV	5-1/4	6	5/8	119.81
P37-5.50V	5-1/2	6-1/4	3/8	119.25



INCH

POLYSEAL FLUOROCARBON U-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-5.50-62BV	5-1/2	6-1/4	5/8	\$ 127.29
P37-5.75SQBV	5-3/4	6-1/2	3/8	132.27
P37-5.75-62DV	5-3/4	6-1/2	5/8	137.64
P37-5.75-62BV	5-3/4	6-1/2	5/8	137.64
P37-5.87-62BV	5-7/8	6-5/8	3/8	159.07
P37-6.00V	6	6-3/4	3/8	132.04
P37-6.00SQBV	6	6-3/4	3/8	132.04
P37-6.00-62DV	6	6-3/4	5/8	154.15
P37-6.00-62BV	6	6-3/4	5/8	139.35
P37-6.25V	6-1/4	7	3/8	121.70
P37-6.25-50DV	6-1/4	7	1/2	140.62
P37-6.25-62BV	6-1/4	7	5/8	134.26
P37-6.50V	6-1/2	7-1/4	3/8	152.18
P37-6.50-62BV	6-1/2	7-1/4	5/8	159.86
P37-6.75V	6-3/4	7-1/2	3/8	154.98
P37-7.00-62BV	7	7-3/4	5/8	137.96
P37-7.25V	7-1/4	8	3/8	142.98
P37-7.25-50DV	7-1/4	8	1/2	152.86
P37-7.25-62DV	7-1/4	8	5/8	157.32
P37-7.50V	7-1/2	8-1/4	3/8	154.77
P37-8.00-62BV	8	8-3/4	5/8	163.02
P37-8.00-62DV	8	8-3/4	5/8	190.49
P37-9.00SQBV	9	9-3/4	3/8	245.92
P37-9.00-62BV	9	9-3/4	5/8	205.52
P37-9.25V	9-1/4	10	3/8	161.77
P37-9.25-62DV	9-1/4	10	5/8	240.50
P37-10.75-62DV	10-3/4	11-1/2	5/8	321.09
P37-11.25V	11-1/4	12	3/8	191.75
P37-12.00V	12	12-3/4	3/8	256.40
1/2" C/S				
P50-1.50V	1-1/2	2-1/2	1/2	\$ 55.77
P50-2.00V	2	3	1/2	63.22
P50-3.00V	3	4	1/2	84.07
P50-3.50V	3-1/2	4-1/2	1/2	95.25
P50-3.87-75B	3-7/8	4-7/8	3/4	174.79
P50-4.00V	4	5	1/2	107.75

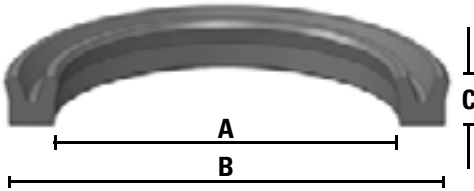
PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/2" C/S				
P50-4.00-75BV	4	5	3/4	\$ 118.54
P50-4.37-75BV	4-3/8	5-3/8	3/4	154.43
P50-4.50V	4-1/2	5-1/2	1/2	131.81
P50-4.50-75BV	4-1/2	5-1/2	3/4	165.20
P50-5.00V	5	6	1/2	143.15
P50-5.00-75DV	5	6	3/4	160.96
P50-5.25V	5-1/4	6-1/4	1/2	151.03
P50-5.37-75BV	5-3/8	6-3/8	3/4	188.79
P50-5.50V	5-1/2	6-1/2	1/2	157.48
P50-5.50-75BV	5-1/2	6-1/2	3/4	166.24
P50-6.00V	6	7	1/2	172.24
P50-6.00-75DV	6	7	3/4	192.17
P50-6.25-75BV	6-1/4	7-1/4	3/4	167.69
P50-6.50SQBV	6-1/2	7-1/2	1/2	162.58
P50-6.50-75BV	6-1/2	7-1/2	3/4	176.05
P50-7.00V	7	8	1/2	161.98
P50-7.00-75DV	7	8	3/4	194.50
P50-7.00-75BV	7	8	3/4	194.50
P50-7.25-75BV	7-1/4	8-1/4	3/4	216.94
P50-8.00V	8	9	1/2	180.65
P50-9.00V	9	10	1/2	221.30
P50-9.00-75DV	9	10	3/4	258.03
P50-9.00-75BV	9	10	3/4	258.03
P50-10.00-75DV	10	11	3/4	395.92
P50-11.00V	11	12	1/2	244.60
P50-11.00-75DV	11	12	3/4	409.58
P50-11.50V	11-1/2	12-1/2	1/2	296.02
P50-13.00V	13	14	1/2	288.39
P50-13.00-75DV	13	14	3/4	546.49
P50-13.00-75BV	13	14	3/4	546.49
P50-15.00V	15	16	1/2	420.91
P50-17.00V	17	18	1/2	592.82
P50-17.00-75DV	17	18	3/4	785.21
P50-17.00-75BV	17	18	3/4	785.21
5/8" C/S				
P62-5.75V	5-3/4	7	5/8	\$ 168.98

INCH

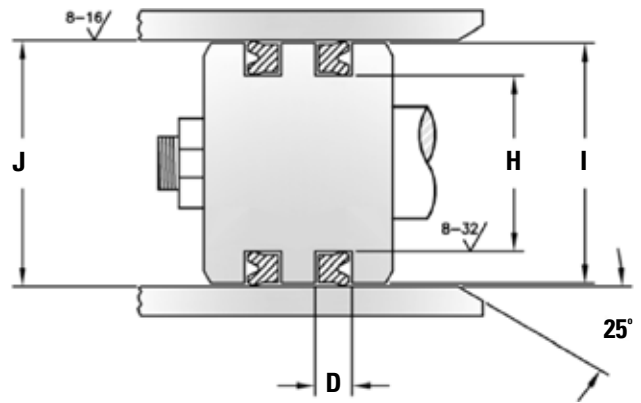
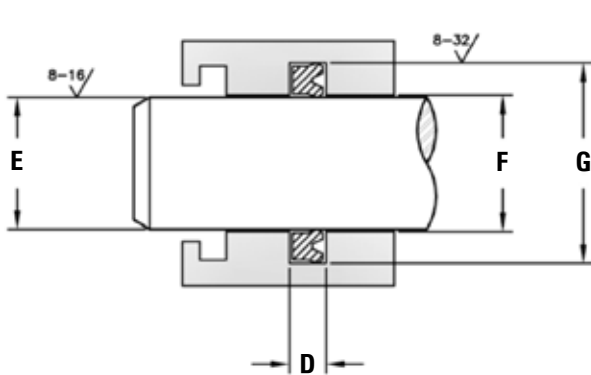


[SEAL INFORMATION]

SU

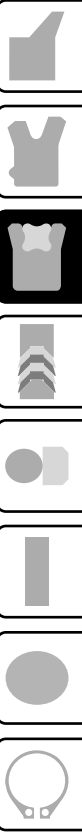


MATERIAL	92A URETHANE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 4,000 PSI
SPEED	3 FT/SEC
PART NUMBER	(Prefix) (CS) - (ID) - (H)



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 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	LIST PRICE
1/8" C/S											
SU12-0.50	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	\$ 5.82
SU12-0.62	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	6.19
SU12-0.62-25	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	6.19
SU12-0.75	3/4	1	1/8	.156 +.015 +.000	.750 +.000 -.003	.751 +.003 +.000	1.000 +.005 +.000	.750 +.000 -.003	.999 +.000 -.003	1.00 +.005 +.000	6.42
SU12-0.75-18	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	6.42
SU12-0.75-25	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	6.42
SU12-0.87	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	6.66
SU12-0.87-25	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	6.66
SU12-1.00	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	6.96
SU12-1.00-18	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	6.96
SU12-1.00-25	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	6.96



SU HEAVY DUTY SYMMETRICAL U-SEALS

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	LIST PRICE
SU12-1.12	1-1/8	1-3/8	1/8	.156 +.015 +0.000	1.125 +.000 -.003	1.126 +.003 +0.000	1.375 +.005 +0.000	1.125 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	\$ 7.24
SU12-1.12-25	1-1/8	1-3/8	1/4	.281 +.015 +0.000	1.125 +.000 -.003	1.126 +.003 +0.000	1.375 +.005 +0.000	1.125 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	7.24
SU12-1.25	1-1/4	1-1/2	1/8	.156 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	1.500 +.007 +0.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.99
SU12-1.25-18	1-1/4	1-1/2	3/16	.218 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	1.500 +.007 +0.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.99
SU12-1.25-25	1-1/4	1-1/2	1/4	.281 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	1.500 +.007 +0.000	1.250 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.99
SU12-1.37-25	1-3/8	1-5/8	1/4	.281 +.015 +0.000	1.375 +.000 -.003	1.376 +.003 +0.000	1.625 +.007 +0.000	1.375 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +0.000	8.51
SU12-1.50-25	1-1/2	1-3/4	1/4	.281 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	1.750 +.007 +0.000	1.500 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	8.70
3/16" C/S											
SU18-0.25-25	1/4	5/8	1/4	.281 +.015 +0.000	.250 +.000 -.003	.251 +.003 +0.000	.625 +.005 +0.000	.250 +.000 -.003	.624 +.000 -.003	.625 +.005 +0.000	\$ 6.55
SU18-0.50	1/2	7/8	3/16	.218 +.015 +0.000	.500 +.000 -.003	.501 +.003 +0.000	.875 +.005 +0.000	.500 +.000 -.003	.874 +.000 -.003	.875 +.005 +0.000	7.94
SU18-0.50-31	1/2	7/8	5/16	.343 +.015 +0.000	.500 +.000 -.003	.501 +.003 +0.000	.875 +.005 +0.000	.500 +.000 -.003	.874 +.000 -.003	.875 +.005 +0.000	6.60
SU18-0.62	5/8	1	3/16	.218 +.015 +0.000	.625 +.000 -.003	.626 +.003 +0.000	1.000 +.005 +0.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +0.000	6.84
SU18-0.62-25	5/8	1	1/4	.281 +.015 +0.000	.625 +.000 -.003	.626 +.003 +0.000	1.000 +.005 +0.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +0.000	6.84
SU18-0.62-31	5/8	1	5/16	.343 +.015 +0.000	.625 +.000 -.003	.626 +.003 +0.000	1.000 +.005 +0.000	.625 +.000 -.003	.999 +.000 -.003	1.000 +.005 +0.000	7.42
SU18-0.75	3/4	1-1/8	3/16	.218 +.015 +0.000	.750 +.000 -.003	.751 +.003 +0.000	1.125 +.005 +0.000	.750 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +0.000	7.03
SU18-0.75-25	3/4	1-1/8	1/4	.281 +.015 +0.000	.750 +.000 -.003	.751 +.003 +0.000	1.125 +.005 +0.000	.750 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +0.000	7.03
SU18-0.87-25	7/8	1-1/4	1/4	.281 +.015 +0.000	.875 +.000 -.003	.876 +.003 +0.000	1.250 +.005 +0.000	.875 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +0.000	7.20
SU18-1.00	1	1-3/8	3/16	.218 +.015 +0.000	1.000 +.000 -.003	1.001 +.003 +0.000	1.375 +.005 +0.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	7.28
SU18-1.00-25	1	1-3/8	1/4	.281 +.015 +0.000	1.000 +.000 -.003	1.001 +.003 +0.000	1.375 +.005 +0.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	7.28
SU18-1.00-31	1	1-3/8	5/16	.343 +.015 +0.000	1.000 +.000 -.003	1.001 +.003 +0.000	1.375 +.005 +0.000	1.000 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	7.28
SU18-1.12	1-1/8	1-1/2	3/16	.218 +.015 +0.000	1.125 +.000 -.003	1.126 +.003 +0.000	1.500 +.007 +0.000	1.125 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.42
SU18-1.12-25	1-1/8	1-1/2	1/4	.281 +.015 +0.000	1.125 +.000 -.003	1.126 +.003 +0.000	1.500 +.007 +0.000	1.125 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.42
SU18-1.25-25	1-1/4	1-5/8	1/4	.281 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	1.625 +.007 +0.000	1.250 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +0.000	8.19
SU18-1.25-31	1-1/4	1-5/8	5/16	.343 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	1.625 +.007 +0.000	1.250 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +0.000	9.48
SU18-1.37-25	1-3/8	1-3/4	1/4	.281 +.015 +0.000	1.375 +.000 -.003	1.376 +.003 +0.000	1.750 +.007 +0.000	1.375 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	9.45
SU18-1.37-31	1-3/8	1-3/4	5/16	.343 +.015 +0.000	1.375 +.000 -.003	1.376 +.003 +0.000	1.750 +.007 +0.000	1.375 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	9.45
SU18-1.50	1-1/2	1-7/8	3/16	.218 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	1.875 +.007 +0.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	9.65
SU18-1.50-25	1-1/2	1-7/8	1/4	.281 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	1.875 +.007 +0.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	9.65
SU18-1.50-31	1-1/2	1-7/8	5/16	.343 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	1.875 +.007 +0.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	9.65

INCH



SU 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	LIST PRICE
SU18-1.50-37	1-1/2	1-7/8	3/8	.406 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	1.875 +.007 +0.000	1.500 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	\$ 9.65
SU18-1.62-25	1-5/8	2	1/4	.281 +.015 +0.000	1.625 +.003 -.003	1.626 +.003 +0.000	2000 +.008 +0.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU18-1.62-31	1-5/8	2	5/16	.343 +.015 +0.000	1.625 +.003 -.003	1.626 +.003 +0.000	2000 +.008 +0.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU18-1.62-37	1-5/8	2	3/8	.406 +.015 +0.000	1.625 +.003 -.003	1.626 +.003 +0.000	2000 +.008 +0.000	1.625 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU18-1.75-25	1-3/4	2-1/8	1/4	.281 +.015 +0.000	1.750 +.000 -.003	1.751 +.003 +0.000	2.125 +.008 +0.000	1.750 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +0.000	10.77
SU18-1.75-37	1-3/4	2-1/8	3/8	.406 +.015 +0.000	1.750 +.000 -.003	1.751 +.003 +0.000	2.125 +.008 +0.000	1.750 +.000 -.003	2.124 +.000 -.004	2.125 +.008 +0.000	10.77
SU18-1.87-37	1-7/8	2-1/4	3/8	.406 +.015 +0.000	1.875 +.000 -.003	1.876 +.003 +0.000	2.250 +.008 +0.000	1.875 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.000	11.69
SU18-2.00-25	2	2-3/8	1/4	.281 +.015 +0.000	2.000 +.000 -.003	2.001 +.004 +0.000	2.375 +.008 +0.000	2.000 +.000 -.003	2.375 +.000 -.004	2.375 +.008 +0.000	12.78
SU18-2.00-31	2	2-3/8	5/16	.343 +.015 +0.000	2.000 +.000 -.003	2.001 +.004 +0.000	2.375 +.008 +0.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +0.000	12.78
SU18-2.00-37	2	2-3/8	3/8	.406 +.015 +0.000	2.000 +.000 -.003	2.001 +.004 +0.000	2.375 +.008 +0.000	2.000 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +0.000	12.78
SU18-2.12-25	2-1/8	2-1/2	1/4	.281 +.015 +0.000	2.125 +.000 -.003	2.126 +.004 +0.000	2.500 +.008 +0.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.000	11.47
SU18-2.12-31	2-1/8	2-1/2	5/16	.343 +.015 +0.000	2.125 +.000 -.003	2.126 +.004 +0.000	2.500 +.008 +0.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.000	13.42
SU18-2.12-37	2-1/8	2-1/2	3/8	.406 +.015 +0.000	2.125 +.000 -.003	2.126 +.004 +0.000	2.500 +.008 +0.000	2.125 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.000	13.42
SU18-2.25-31	2-1/4	2-5/8	5/16	.343 +.015 +0.000	2.250 +.000 -.003	2.251 +.004 +0.000	2.625 +.008 +0.000	2.250 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +0.000	13.59
SU18-2.25-37	2-1/4	2-5/8	3/8	.406 +.015 +0.000	2.250 +.000 -.003	2.251 +.004 +0.000	2.625 +.008 +0.000	2.250 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +0.000	13.59
SU18-2.37-37	2-3/8	2-3/4	3/8	.406 +.015 +0.000	2.375 +.000 -.003	2.376 +.004 +0.000	2.750 +.008 +0.000	2.375 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +0.000	14.28
SU18-2.50-25	2-1/2	2-7/8	1/4	.281 +.015 +0.000	2.500 +.000 -.003	2.501 +.004 +0.000	2.875 +.008 +0.000	2.500 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +0.000	15.45
SU18-2.50-37	2-1/2	2-7/8	3/8	.406 +.015 +0.000	2.500 +.000 -.003	2.501 +.004 +0.000	2.875 +.008 +0.000	2.500 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +0.000	15.45
SU18-2.62-25	2-5/8	3	1/4	.281 +.015 +0.000	2.625 +.000 -.003	2.626 +.004 +0.000	3.000 +.008 +0.000	2.625 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.000	15.91
SU18-2.62-37	2-5/8	3	3/8	.406 +.015 +0.000	2.625 +.000 -.003	2.626 +.004 +0.000	3.000 +.008 +0.000	2.625 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.000	15.91
SU18-2.87-25	2-7/8	3-1/4	1/4	.281 +.015 +0.000	2.875 +.000 -.003	2.876 +.004 +0.000	3.250 +.009 +0.000	2.875 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.000	16.09
SU18-2.87-37	2-7/8	3-1/4	3/8	.406 +.015 +0.000	2.875 +.000 -.003	2.876 +.004 +0.000	3.250 +.009 +0.000	2.875 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.000	16.09
SU18-3.00-37	3	3-3/8	3/8	.406 +.015 +0.000	3.000 +.000 -.004	3.001 +.004 +0.000	3.375 +.009 +0.000	3.000 +.000 -.004	3.374 +.000 -.004	3.375 +.009 +0.000	16.27
SU18-3.12-37	3-1/8	3-1/2	3/8	.406 +.015 +0.000	3.125 +.000 -.004	3.126 +.004 +0.000	3.500 +.009 +0.000	3.125 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +0.000	16.48
SU18-3.25-37	3-1/4	3-5/8	3/8	.406 +.015 +0.000	3.250 +.000 -.004	3.251 +.004 +0.000	3.625 +.009 +0.000	3.250 +.000 -.004	3.624 +.000 -.004	3.625 +.009 +0.000	16.60
SU18-3.37-37	3-3/8	3-3/4	3/8	.406 +.015 +0.000	3.375 +.000 -.004	3.376 +.004 +0.000	3.750 +.009 +0.000	3.375 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.000	16.60
SU18-3.50-37	3-1/2	3-7/8	3/8	.406 +.015 +0.000	3.500 +.000 -.004	3.501 +.004 +0.000	3.875 +.009 +0.000	3.500 +.000 -.004	3.874 +.000 -.004	3.875 +.009 +0.000	17.17
SU18-3.62-25	3-5/8	4	1/4	.281 +.015 +0.000	3.625 +.000 -.004	3.626 +.004 +0.000	4.000 +.009 +0.000	3.625 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.000	17.34
SU18-3.62-37	3-5/8	4	3/8	.406 +.015 +0.000	3.625 +.000 -.004	3.626 +.004 +0.000	4.000 +.009 +0.000	3.625 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.000	17.34



INCH

SU HEAVY DUTY SYMMETRICAL U-SEALS

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	LIST PRICE
SU18-3.75	3-3/4	4-1/8	3/8	.406 +.015 +0.000	3.750 +.000 -.004	3.751 +.004 +0.000	4.125 +.009 +0.000	3.750 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +0.000	\$20.89
SU18-4.00-37	4	4-3/8	3/8	.406 +.015 +0.000	4.000 +.000 -.004	4.001 +.004 +0.000	4.375 +.009 +0.000	4.000 +.000 -.004	4.374 +.000 -.004	4.375 +.009 +0.000	21.46
SU18-4.37-37	4-3/8	4-3/4	3/8	.406 +.015 +0.000	4.375 +.000 -.004	4.376 +.004 +0.000	4.750 +.009 +0.000	4.375 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +0.000	22.22
1/4" C/S											
SU25-0.50	1/2	1	1/4	.281 +.015 +0.000	.500 +.000 -.003	.501 +.003 +0.000	1.000 +.005 +0.000	.500 +.000 -.003	.999 +.000 -.003	1.000 +.005 +0.000	\$ 6.03
SU25-0.50-37	1/2	1	3/8	.406 +.015 +0.000	.500 +.000 -.003	.501 +.000 -.003	1.000 +.005 +0.000	.500 +.000 -.003	.999 +.000 -.003	1.000 +.005 +0.000	6.03
SU25-0.62	5/8	1-1/8	1/4	.281 +.015 +0.000	.625 +.000 -.003	.626 +.000 -.003	1.125 +.005 +0.000	.625 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +0.000	6.28
SU25-0.62-37	5/8	1-1/8	3/8	.406 +.015 +0.000	.625 +.000 -.003	.626 +.000 -.003	1.125 +.005 +0.000	.625 +.000 -.003	1.124 +.000 -.003	1.125 +.005 +0.000	6.28
SU25-0.75	3/4	1-1/4	1/4	.281 +.015 +0.000	.750 +.000 -.003	.751 +.000 -.003	1.250 +.005 +0.000	.750 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +0.000	6.54
SU25-0.75-37	3/4	1-1/4	3/8	.406 +.015 +0.000	.750 +.000 -.003	.751 +.000 -.003	1.250 +.005 +0.000	.750 +.000 -.003	1.249 +.000 -.003	1.250 +.005 +0.000	6.54
SU25-0.87	7/8	1-3/8	1/4	.281 +.015 +0.000	.875 +.000 -.003	.876 +.000 -.003	1.375 +.005 +0.000	.875 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	6.79
SU25-0.87-37	7/8	1-3/8	3/8	.406 +.015 +0.000	.875 +.000 -.003	.876 +.000 -.003	1.375 +.005 +0.000	.875 +.000 -.003	1.374 +.000 -.003	1.375 +.005 +0.000	6.79
SU25-0.93	15/16	1-7/16	1/4	.281 +.015 +0.000	.937 +.000 -.003	.937 +.000 -.003	.939 +.005 +0.000	1.438 +.000 -.003	.937 +.000 -.003	1.437 +.005 +0.000	6.92
SU25-1.00	1	1-1/2	1/4	.281 +.015 +0.000	1.000 +.000 -.003	1.001 +.000 -.003	1.500 +.007 +0.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.08
SU25-1.00-31	1	1-1/2	5/16	.343 +.015 +0.000	1.000 +.000 -.003	1.001 +.000 -.003	1.500 +.007 +0.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.08
SU25-1.00-37	1	1-1/2	3/8	.406 +.015 +0.000	1.000 +.000 -.003	1.001 +.000 -.003	1.500 +.007 +0.000	1.000 +.000 -.003	1.499 +.000 -.003	1.500 +.007 +0.000	7.08
SU25-1.12-31	1-1/8	1-5/8	5/16	.343 +.015 +0.000	1.125 +.000 -.003	1.126 +.000 -.003	1.625 +.007 +0.000	1.125 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +0.000	7.31
SU25-1.12-37	1-1/8	1-5/8	3/8	.406 +.015 +0.000	1.125 +.000 -.003	1.126 +.000 -.003	1.625 +.007 +0.000	1.125 +.000 -.003	1.624 +.000 -.003	1.625 +.007 +0.000	7.31
SU25-1.18	1-3/16	1-11/16	1/4	.281 +.015 +0.000	1.187 +.000 -.003	1.189 +.000 -.003	1.688 +.007 +0.000	1.187 +.000 -.003	1.687 +.000 -.003	1.688 +.007 +0.000	7.92
SU25-1.25	1-1/4	1-3/4	1/4	.281 +.015 +0.000	1.250 +.000 -.003	1.251 +.000 -.003	1.750 +.007 +0.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	8.73
SU25-1.25-31	1-1/4	1-3/4	5/16	.343 +.015 +0.000	1.250 +.000 -.003	1.251 +.000 -.003	1.750 +.007 +0.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	8.73
SU25-1.25-37	1-1/4	1-3/4	3/8	.406 +.015 +0.000	1.250 +.000 -.003	1.251 +.000 -.003	1.750 +.007 +0.000	1.250 +.000 -.003	1.749 +.000 -.003	1.750 +.007 +0.000	8.73
SU25-1.37	1-3/8	1-7/8	1/4	.281 +.015 +0.000	1.375 +.000 -.003	1.376 +.000 -.003	1.875 +.007 +0.000	1.375 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	9.78
SU25-1.37-37	1-3/8	1-7/8	3/8	.406 +.015 +0.000	1.375 +.000 -.003	1.376 +.000 -.003	1.875 +.007 +0.000	1.375 +.000 -.003	1.874 +.000 -.003	1.875 +.007 +0.000	9.78
SU25-1.50	1-1/2	2	1/4	.281 +.015 +0.000	1.500 +.000 -.003	1.501 +.000 -.003	2.000 +.008 +0.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU25-1.50-31	1-1/2	2	5/16	.343 +.015 +0.000	1.500 +.000 -.003	1.501 +.000 -.003	2.000 +.008 +0.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU25-1.50-37	1-1/2	2	3/8	.406 +.015 +0.000	1.500 +.000 -.003	1.501 +.000 -.003	2.000 +.008 +0.000	1.500 +.000 -.003	1.999 +.000 -.004	2.000 +.008 +0.000	10.39
SU25-1.75	1-3/4	2-1/4	1/4	.281 +.015 +0.000	1.750 +.000 -.003	1.751 +.000 -.003	2.250 +.008 +0.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.000	11.69
SU25-1.75-31	1-3/4	2-1/4	5/16	.343 +.015 +0.000	1.750 +.000 -.003	1.751 +.000 -.003	2.250 +.008 +0.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.000	11.69



SU 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	LIST PRICE
SU25-1.75-37	1-3/4	2-1/4	3/8	.406 +.015 +0.000	1.750 +.000 -.003	1.751 +.003 +0.000	2.250 +.008 +0.000	1.750 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.000	\$11.69
SU25-2.00	2	2-1/2	1/4	.281 +.015 +0.000	2.000 +.000 -.003	2.001 +.004 +0.000	2.500 +.008 +0.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.000	13.42
SU25-2.00-37	2	2-1/2	3/8	.406 +.015 +0.000	2.000 +.000 -.003	2.001 +.004 +0.000	2.500 +.008 +0.000	2.000 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.000	13.42
SU25-2.12-37	2-1/8	2-5/8	3/8	.406 +.015 +0.000	2.125 +.000 -.003	2.126 +.004 +0.000	2.625 +.008 +0.000	2.125 +.000 -.003	2.624 +.000 -.004	2.625 +.008 +0.000	14.10
SU25-2.25-31	2-1/4	2-3/4	5/16	.343 +.015 +0.000	2.250 +.000 -.003	2.251 +.004 +0.000	2.750 +.008 +0.000	2.250 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +0.000	14.28
SU25-2.25-37	2-1/4	2-3/4	3/8	.406 +.015 +0.000	2.250 +.000 -.003	2.251 +.004 +0.000	2.750 +.008 +0.000	2.250 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +0.000	14.28
SU25-2.37-37	2-3/8	2-7/8	3/8	.406 +.015 +0.000	2.375 +.000 -.003	2.376 +.004 +0.000	2.875 +.008 +0.000	2.375 +.000 -.003	2.874 +.000 -.004	2.875 +.008 +0.000	14.52
SU25-2.50	2-1/2	3	1/4	.281 +.015 +0.000	2.500 +.000 -.003	2.501 +.004 +0.000	3.000 +.008 +0.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.000	15.43
SU25-2.50-31	2-1/2	3	5/16	.343 +.015 +0.000	2.500 +.000 -.003	2.501 +.004 +0.000	3.000 +.008 +0.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.000	15.43
SU25-2.50-37	2-1/2	3	3/8	.406 +.015 +0.000	2.500 +.000 -.003	2.501 +.004 +0.000	3.000 +.008 +0.000	2.500 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.000	15.43
SU25-2.62-37	2-5/8	3-1/8	3/8	.406 +.015 +0.000	2.625 +.000 -.003	2.626 +.004 +0.000	3.125 +.008 +0.000	2.625 +.000 -.003	3.124 +.000 -.004	3.125 +.008 +0.000	15.69
SU25-2.75-37	2-3/4	3-1/4	3/8	.406 +.015 +0.000	2.750 +.000 -.003	2.751 +.004 +0.000	3.250 +.009 +0.000	2.750 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.000	15.75
SU25-2.87-37	2-7/8	3-3/8	3/8	.406 +.015 +0.000	2.875 +.000 -.003	2.876 +.004 +0.000	3.375 +.009 +0.000	2.875 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +0.000	15.84
SU25-3.00	3	3-1/2	1/4	.281 +.015 +0.000	3.000 +.000 -.004	3.001 +.004 +0.000	3.500 +.009 +0.000	3.000 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +0.000	16.60
SU25-3.00-37	3	3-1/2	3/8	.406 +.015 +0.000	3.000 +.000 -.004	3.001 +.004 +0.000	3.500 +.009 +0.000	3.000 +.000 -.004	3.499 +.000 -.004	3.500 +.009 +0.000	16.65
SU25-3.25-37	3-1/4	3-3/4	3/8	.406 +.015 +0.000	3.250 +.000 -.004	3.251 +.004 +0.000	3.750 +.009 +0.000	3.250 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.000	16.90
SU25-3.37-37	3-3/8	3-7/8	3/8	.406 +.015 +0.000	3.375 +.000 -.004	3.376 +.004 +0.000	3.875 +.009 +0.000	3.375 +.000 -.004	3.874 +.000 -.004	3.875 +.009 +0.000	16.90
SU25-3.50	3-1/2	4	1/4	.281 +.015 +0.000	3.500 +.000 -.004	3.501 +.004 +0.000	4.000 +.009 +0.000	3.500 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.000	17.99
SU25-3.50-37	3-1/2	4	3/8	.406 +.015 +0.000	3.500 +.000 -.004	3.501 +.000 -.004	4.000 +.009 +0.000	3.500 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.000	17.99
SU25-3.62-37	3-5/8	4-1/8	3/8	.406 +.015 +0.000	3.625 +.000 -.004	3.626 +.000 -.004	4.125 +.009 +0.000	3.625 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +0.000	18.58
SU25-3.75-37	3-3/4	4-1/4	3/8	.406 +.015 +0.000	3.750 +.000 -.004	3.751 +.000 -.004	4.250 +.009 +0.000	3.750 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +0.000	18.95
SU25-4.00-56	4	4-1/2	9/16	.594 +.015 +0.000	4.000 +.000 -.004	4.001 +.000 -.004	4.500 +.009 +0.000	4.000 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.000	21.68
SU25-4.25-37	4-1/4	4-3/4	3/8	.406 +.015 +0.000	4.250 +.000 -.004	4.251 +.000 -.004	4.750 +.009 +0.000	4.250 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +0.000	22.63
SU25-4.50-37	4-1/2	5	3/8	.406 +.015 +0.000	4.500 +.000 -.004	4.501 +.000 -.004	5.000 +.010 +0.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +0.000	24.52
SU25-4.50-50	4-1/2	5	1/2	.531 +.015 +0.000	4.500 +.000 -.004	4.501 +.000 -.004	5.000 +.010 +0.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +0.000	24.52
SU25-4.50-56	4-1/2	5	9/16	.594 +.015 +0.000	4.500 +.000 -.004	4.501 +.000 -.004	5.000 +.010 +0.000	4.500 +.000 -.004	4.999 +.000 -.004	5.000 +.010 +0.000	24.52
SU25-4.75-37	4-3/4	5-1/4	3/8	.406 +.015 +0.000	4.750 +.000 -.004	4.751 +.000 -.004	5.250 +.010 +0.000	4.750 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +0.000	25.82
SU25-4.75-56	4-3/4	5-1/4	9/16	.594 +.015 +0.000	4.750 +.000 -.004	4.751 +.000 -.004	5.250 +.010 +0.000	4.750 +.000 -.004	5.249 +.000 -.004	5.250 +.010 +0.000	25.82
SU25-5.25-56	5-1/4	5-3/4	9/16	.594 +.015 +0.000	5.250 +.000 -.004	5.251 +.000 -.004	5.750 +.010 +0.000	5.250 +.000 -.004	5.749 +.000 -.004	5.750 +.010 +0.000	29.69



INCH

SU HEAVY DUTY SYMMETRICAL U-SEALS

U-SEALS

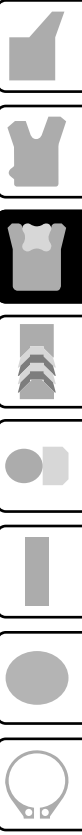
PART NUMBER	A NOM. ID	B NOM. OD	C NOM. HT	D GROOVE WIDTH	E ROD DIAMETER	F THROAT DIAMETER	G HOUSING DIAMETER	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	LIST PRICE
SU25-5.37-37	5-3/8	5-7/8	3/8	.406 +.015 +0.00	5.375 +.000 -0.04	5.376 +.004 +0.00	5.875 +.010 +0.00	5.375 +.000 -0.04	5.874 +.000 -0.04	5.875 +.010 +0.00	\$ 31.14
SU25-6.00-37	6	6-1/2	3/8	.406 +.015 +0.00	6.000 +.000 -0.04	6.001 +.004 +0.00	6.500 +.010 +0.00	6.000 +.000 -0.04	6.499 +.000 -0.04	6.500 +.010 +0.00	45.48
SU25-6.00-56	6	6-1/2	9/16	.594 +.015 +0.00	6.000 +.000 -0.04	6.001 +.004 +0.00	6.500 +.010 +0.00	6.000 +.000 -0.04	6.499 +.000 -0.04	6.500 +.010 +0.00	45.48
SU25-6.50-37	6-1/2	7	3/8	.406 +.015 +0.00	6.500 +.000 -0.04	6.501 +.004 +0.00	7.000 +.011 +0.00	6.500 +.000 -0.04	6.999 +.000 -0.04	7.000 +.011 +0.00	49.59
SU25-6.50-50	6-1/2	7	1/2	.531 +.015 +0.00	6.500 +.000 -0.04	6.501 +.004 +0.00	7.000 +.011 +0.00	6.500 +.000 -0.04	6.999 +.000 -0.04	7.000 +.011 +0.00	49.59
SU25-7.00-56	7	7-1/2	9/16	.594 +.015 +0.00	7.000 +.000 -0.05	7.001 +.004 +0.00	7.500 +.011 +0.00	7.000 +.000 -0.05	7.499 +.000 -0.04	7.500 +.011 +0.00	53.21
5/16" C/S											
SU31-1.25-37	1-1/4	1-7/8	3/8	.406 +.015 +0.00	1.250 +.000 -0.03	1.251 +.003 +0.00	1.875 +.007 +0.00	1.250 +.000 -0.03	1.874 +.000 -0.03	1.875 +.007 +0.00	\$ 9.25
SU31-1.25-50	1-1/4	1-7/8	1/2	.531 +.015 +0.00	1.250 +.000 -0.03	1.251 +.003 +0.00	1.875 +.007 +0.00	1.250 +.000 -0.03	1.874 +.000 -0.03	1.875 +.007 +0.00	9.25
SU31-1.37	1-3/8	2	5/16	.343 +.015 +0.00	1.375 +.000 -0.03	1.376 +.003 +0.00	2.000 +.008 +0.00	1.375 +.000 -0.03	1.999 +.000 -0.03	2.000 +.008 +0.00	10.39
SU31-1.50-37	1-1/2	2-1/8	3/8	.406 +.015 +0.00	1.500 +.000 -0.03	1.501 +.003 +0.00	2.125 +.008 +0.00	1.500 +.000 -0.03	2.124 +.000 -0.03	2.125 +.008 +0.00	10.77
SU31-1.75-37	1-3/4	2-3/8	3/8	.406 +.015 +0.00	1.750 +.000 -0.03	1.751 +.003 +0.00	2.375 +.008 +0.00	1.750 +.000 -0.03	2.374 +.000 -0.03	2.375 +.008 +0.00	12.19
SU31-1.75-50	1-3/4	2-3/8	3/8	.406 +.015 +0.00	1.750 +.000 -0.03	1.751 +.003 +0.00	2.375 +.008 +0.00	1.750 +.000 -0.03	2.374 +.000 -0.03	2.375 +.008 +0.00	12.19
SU31-1.87-37	1-7/8	2-1/2	3/8	.406 +.015 +0.00	1.875 +.000 -0.03	1.876 +.003 +0.00	2.500 +.008 +0.00	1.875 +.000 -0.03	2.499 +.000 -0.03	2.500 +.008 +0.00	12.78
SU31-1.87-50	1-7/8	2-1/2	1/2	.531 +.015 +0.00	1.875 +.000 -0.03	1.876 +.003 +0.00	2.500 +.008 +0.00	1.875 +.000 -0.03	2.499 +.000 -0.04	2.500 +.008 +0.00	12.78
SU31-2.00-31	2	2-5/8	5/16	.343 +.015 +0.00	2.000 +.000 -0.03	2.001 +.004 +0.00	2.625 +.008 +0.00	2.000 +.000 -0.03	2.624 +.000 -0.04	2.625 +.008 +0.00	13.01
SU31-2.00	2	2-5/8	3/8	.406 +.015 +0.00	2.000 +.000 -0.03	2.001 +.004 +0.00	2.625 +.008 +0.00	2.000 +.000 -0.03	2.624 +.000 -0.04	2.625 +.008 +0.00	13.01
SU31-2.12-37	2-1/8	2-3/4	3/8	.406 +.015 +0.00	2.125 +.000 -0.03	2.126 +.004 +0.00	2.750 +.008 +0.00	2.125 +.000 -0.03	2.749 +.000 -0.04	2.750 +.008 +0.00	13.39
SU31-2.25-37	2-1/4	2-7/8	3/8	.406 +.015 +0.00	2.250 +.000 -0.03	2.251 +.004 +0.00	2.875 +.008 +0.00	2.250 +.000 -0.03	2.874 +.000 -0.04	2.875 +.008 +0.00	13.59
SU31-2.25-50	2-1/4	2-7/8	1/2	.531 +.015 +0.00	2.250 +.000 -0.03	2.251 +.004 +0.00	2.875 +.008 +0.00	2.250 +.000 -0.03	2.874 +.000 -0.04	2.875 +.008 +0.00	13.59
SU31-2.37-37	2-3/8	3	3/8	.406 +.015 +0.00	2.375 +.000 -0.03	2.376 +.004 +0.00	3.000 +.008 +0.00	2.375 +.000 -0.03	2.999 +.000 -0.04	3.000 +.008 +0.00	13.91
SU31-2.37-50	2-3/8	3	1/2	.531 +.015 +0.00	2.375 +.000 -0.03	2.376 +.004 +0.00	3.000 +.008 +0.00	2.375 +.000 -0.03	2.999 +.000 -0.04	3.000 +.008 +0.00	13.91
SU31-2.50-37	2-1/2	3-1/8	3/8	.406 +.015 +0.00	2.500 +.000 -0.03	2.501 +.004 +0.00	3.125 +.008 +0.00	2.500 +.000 -0.03	3.124 +.000 -0.04	3.125 +.008 +0.00	14.12
SU31-2.50-50	2-1/2	3-1/8	1/2	.531 +.015 +0.00	2.500 +.000 -0.03	2.501 +.004 +0.00	3.125 +.008 +0.00	2.500 +.000 -0.03	3.124 +.000 -0.04	3.125 +.008 +0.00	14.12
SU31-2.62-50	2-5/8	3-1/4	1/2	.531 +.015 +0.00	2.625 +.000 -0.03	2.626 +.004 +0.00	3.250 +.009 +0.00	2.625 +.000 -0.03	3.249 +.000 -0.04	3.250 +.009 +0.00	14.58
SU31-2.87-37	2-7/8	3-1/2	3/8	.406 +.015 +0.00	2.875 +.000 -0.03	2.876 +.004 +0.00	3.500 +.009 +0.00	2.875 +.000 -0.03	3.499 +.000 -0.04	3.500 +.009 +0.00	14.66
SU31-2.87-50	2-7/8	3-1/2	1/2	.531 +.015 +0.00	2.875 +.000 -0.03	2.876 +.004 +0.00	3.500 +.009 +0.00	2.875 +.000 -0.03	3.499 +.000 -0.04	3.500 +.009 +0.00	16.65
SU31-3.00-37	3	3-5/8	3/8	.406 +.015 +0.00	3.000 +.000 -0.04	3.001 +.004 +0.00	3.626 +.009 +0.00	3.000 +.000 -0.04	3.624 +.000 -0.04	3.625 +.009 +0.00	17.11
SU31-3.00-50	3	3-5/8	1/2	.531 +.015 +0.00	3.000 +.004 -0.04	3.001 +.004 +0.00	3.625 +.009 +0.00	3.000 +.000 -0.04	3.624 +.000 -0.04	3.625 +.009 +0.00	17.11



INCH

SU 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	LIST PRICE
SU31-3.12-37	3-1/8	3-3/4	3/8	.406 +.015 +0.000	3.125 +.000 -.004	3.126 +.004 +0.000	3.750 +.009 +0.000	3.125 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.000	\$17.92
SU31-3.12-50	3-1/8	3-3/4	1/2	.531 +.015 +0.000	3.125 +.000 -.004	3.126 +.004 +0.000	3.750 +.009 +0.000	3.125 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.000	17.92
SU31-3.50-37	3-1/2	4-1/8	3/8	.406 +.015 +0.000	3.500 +.000 -.004	3.501 +.004 +0.000	4.125 +.009 +0.000	3.500 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +0.000	18.40
SU31-3.50-50	3-1/2	4-1/8	1/2	.531 +.015 +0.000	3.500 +.000 -.004	3.501 +.004 +0.000	4.125 +.009 +0.000	3.500 +.000 -.004	4.124 +.000 -.004	4.125 +.009 +0.000	18.40
SU31-3.62-37	3-5/8	4-1/4	3/8	.406 +.015 +0.000	3.625 +.000 -.004	3.626 +.004 +0.000	4.250 +.009 +0.000	3.625 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +0.000	19.46
SU31-3.87-37	3-7/8	4-1/2	3/8	.406 +.015 +0.000	3.875 +.000 -.004	3.876 +.004 +0.000	4.500 +.009 +0.000	3.875 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.000	21.46
SU31-3.87-50	3-7/8	4-1/2	1/2	.531 +.015 +0.000	3.875 +.000 -.004	3.876 +.004 +0.000	4.500 +.009 +0.000	3.875 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.000	21.46
SU31-4.00-37	4	4-5/8	3/8	.406 +.015 +0.000	4.000 +.000 -.004	4.001 +.004 +0.000	4.625 +.009 +0.000	4.000 +.000 -.004	4.624 +.000 -.004	4.625 +.009 +0.000	21.85
SU31-4.12-50	4-1/8	4-3/4	1/2	.531 +.015 +0.000	4.125 +.000 -.004	4.126 +.004 +0.000	4.750 +.009 +0.000	4.125 +.000 -.004	4.749 +.000 -.004	4.750 +.009 +0.000	23.45
SU31-4.37-37	4-3/8	5	3/8	.406 +.015 +0.000	4.375 +.000 -.004	4.376 +.004 +0.000	5.000 +.009 +0.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.009 +0.000	27.40
SU31-4.37-50	4-3/8	5	1/2	.531 +.015 +0.000	4.375 +.000 -.004	4.376 +.004 +0.000	5.000 +.009 +0.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.009 +0.000	27.40
SU31-4.37-56	4-3/8	5	9/16	.594 +.015 +0.000	4.375 +.000 -.004	4.376 +.004 +0.000	5.000 +.009 +0.000	4.375 +.000 -.004	4.999 +.000 -.004	5.000 +.009 +0.000	27.40
SU31-4.50-37	4-1/2	5-1/8	3/8	.406 +.015 +0.000	4.500 +.000 -.004	4.501 +.004 +0.000	5.125 +.010 +0.000	4.500 +.000 -.004	5.124 +.000 -.004	5.125 +.010 +0.000	29.43
SU31-4.50-62	4-1/2	5-1/8	5/8	.656 +.015 +0.000	4.500 +.000 -.004	4.501 +.004 +0.000	5.125 +.010 +0.000	4.500 +.000 -.004	5.124 +.000 -.004	5.125 +.010 +0.000	29.43
SU31-4.75-37	4-3/4	5-3/8	3/8	.406 +.015 +0.000	4.750 +.000 -.004	4.751 +.004 +0.000	5.375 +.010 +0.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +0.000	29.43
SU31-4.75-50	4-3/4	5-3/8	1/2	.531 +.015 +0.000	4.750 +.000 -.004	4.751 +.004 +0.000	5.375 +.010 +0.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +0.000	29.43
SU31-4.75-62	4-3/4	5-3/8	5/8	.656 +.015 +0.000	4.750 +.000 -.004	4.751 +.004 +0.000	5.375 +.010 +0.000	4.750 +.000 -.004	5.374 +.000 -.004	5.375 +.010 +0.000	38.97
SU31-4.87-37	4-7/8	5-1/2	3/8	.406 +.015 +0.000	4.875 +.000 -.004	4.876 +.004 +0.000	5.500 +.010 +0.000	4.875 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +0.000	29.73
SU31-4.87-50	4-7/8	5-1/2	1/2	.531 +.015 +0.000	4.875 +.000 -.004	4.876 +.004 +0.000	5.500 +.010 +0.000	4.875 +.000 -.004	5.499 +.000 -.004	5.500 +.010 +0.000	29.73
SU31-5.25-37	5-1/4	5-7/8	3/8	.406 +.015 +0.000	5.250 +.000 -.004	5.251 +.004 +0.000	5.875 +.010 +0.000	5.250 +.000 -.004	5.874 +.000 -.004	5.875 +.010 +0.000	31.34
SU31-5.37-37	5-3/8	6	3/8	.406 +.015 +0.000	5.375 +.000 -.004	5.376 +.004 +0.000	6.000 +.010 +0.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +0.000	32.16
SU31-5.37-50	5-3/8	6	1/2	.531 +.015 +0.000	5.375 +.000 -.004	5.376 +.004 +0.000	6.000 +.010 +0.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +0.000	32.16
SU31-5.37-62	5-3/8	6	5/8	.656 +.015 +0.000	5.375 +.000 -.004	5.376 +.004 +0.000	6.000 +.010 +0.000	5.375 +.000 -.004	5.999 +.000 -.004	6.000 +.010 +0.000	35.81
SU31-5.50-37	5-1/2	6-1/8	3/8	.406 +.015 +0.000	5.500 +.000 -.004	5.501 +.004 +0.000	6.125 +.010 +0.000	5.500 +.000 -.004	6.124 +.000 -.004	6.125 +.010 +0.000	39.17
SU31-5.87-37	5-7/8	6-1/2	3/8	.406 +.015 +0.000	5.875 +.000 -.004	5.876 +.004 +0.000	6.500 +.010 +0.000	5.875 +.000 -.004	6.499 +.000 -.004	6.500 +.010 +0.000	39.24
3/8" C/S											
SU37-1.25	1-1/4	2	3/8	.406 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	2.000 +.008 +0.000	1.250 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +0.000	\$ 9.70
SU37-1.25-50	1-1/4	2	1/2	.531 +.015 +0.000	1.250 +.000 -.003	1.251 +.003 +0.000	2.000 +.008 +0.000	1.250 +.000 -.003	1.999 +.000 -.003	2.000 +.008 +0.000	9.70
SU37-1.50	1-1/2	2-1/4	3/8	.406 +.015 +0.000	1.500 +.000 -.003	1.501 +.003 +0.000	2.250 +.008 +0.000	1.500 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.000	11.69



INCH

SU HEAVY DUTY SYMMETRICAL U-SEALS

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	LIST PRICE
SU37-1.50-50	1-1/2	2-1/4	1/2	.531 +.015 +0.00	1.500 +.000 -.003	1.501 +.003 +0.00	2.250 +.008 +0.00	1.500 +.000 -.003	2.249 +.000 -.004	2.250 +.008 +0.00	\$15.45
SU37-1.62	1-5/8	2-3/8	3/8	.406 +.015 +0.00	1.625 +.000 -.003	1.626 +.003 +0.00	2.375 +.008 +0.00	1.625 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +0.00	12.19
SU37-1.62-50	1-5/8	2-3/8	1/2	.531 +.015 +0.00	1.625 +.000 -.003	1.626 +.003 +0.00	2.375 +.008 +0.00	1.625 +.000 -.003	2.374 +.000 -.004	2.375 +.008 +0.00	12.19
SU37-1.75	1-3/4	2-1/2	3/8	.406 +.015 +0.00	1.750 +.000 -.003	1.751 +.003 +0.00	2.500 +.008 +0.00	1.750 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.00	12.78
SU37-1.75-62	1-3/4	2-1/2	5/8	.656 +.015 +0.00	1.750 +.000 -.003	1.751 +.003 +0.00	2.500 +.008 +0.00	1.750 +.000 -.003	2.499 +.000 -.004	2.500 +.008 +0.00	12.78
SU37-2.00	2	2-3/4	3/8	.406 +.015 +0.00	2.000 +.000 -.003	2.001 +.004 +0.00	2.750 +.008 +0.00	2.000 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +0.00	15.81
SU37-2.00-50	2	2-3/4	1/2	.531 +.015 +0.00	2.000 +.000 -.003	2.001 +.004 +0.00	2.750 +.008 +0.00	2.000 +.000 -.003	2.749 +.000 -.004	2.750 +.008 +0.00	15.81
SU37-2.25	2-1/4	3	3/8	.406 +.015 +0.00	2.250 +.000 -.003	2.251 +.004 +0.00	3.000 +.008 +0.00	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.00	16.59
SU37-2.25-50	2-1/4	3	1/2	.531 +.015 +0.00	2.250 +.000 -.003	2.251 +.004 +0.00	3.000 +.008 +0.00	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.00	16.59
SU37-2.25-62	2-1/4	3	5/8	.656 +.015 +0.00	2.250 +.000 -.003	2.251 +.004 +0.00	3.000 +.008 +0.00	2.250 +.000 -.003	2.999 +.000 -.004	3.000 +.008 +0.00	16.59
SU37-2.50	2-1/2	3-1/4	3/8	.406 +.015 +0.00	2.500 +.000 -.003	2.501 +.004 +0.00	3.250 +.009 +0.00	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.00	16.83
SU37-2.50-50	2-1/2	3-1/4	1/2	.531 +.015 +0.00	2.500 +.000 -.003	2.501 +.004 +0.00	3.250 +.009 +0.00	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.00	16.83
SU37-2.50-62	2-1/2	3-1/4	5/8	.656 +.015 +0.00	2.500 +.000 -.003	2.501 +.004 +0.00	3.250 +.009 +0.00	2.500 +.000 -.003	3.249 +.000 -.004	3.250 +.009 +0.00	16.83
SU37-2.62	2-5/8	3-3/8	3/8	.406 +.015 +0.00	2.625 +.000 -.003	2.626 +.004 +0.00	3.375 +.009 +0.00	2.625 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +0.00	17.58
SU37-2.62-62	2-5/8	3-3/8	5/8	.656 +.015 +0.00	2.625 +.000 -.003	2.626 +.004 +0.00	3.375 +.009 +0.00	2.625 +.000 -.003	3.374 +.000 -.004	3.375 +.009 +0.00	17.58
SU37-2.75	2-3/4	3-1/2	3/8	.406 +.015 +0.00	2.750 +.000 -.003	2.751 +.004 +0.00	3.500 +.009 +0.00	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +0.00	18.08
SU37-2.75-50	2-3/4	3-1/2	1/2	.531 +.015 +0.00	2.750 +.000 -.003	2.751 +.004 +0.00	3.500 +.009 +0.00	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +0.00	18.08
SU37-2.75-62	2-3/4	3-1/2	5/8	.656 +.015 +0.00	2.750 +.000 -.003	2.751 +.004 +0.00	3.500 +.009 +0.00	2.750 +.000 -.003	3.499 +.000 -.004	3.500 +.009 +0.00	18.08
SU37-3.00	3	3-3/4	3/8	.406 +.015 +0.00	3.000 +.000 -.004	3.001 +.004 +0.00	3.750 +.009 +0.00	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.00	18.74
SU37-3.00-50	3	3-3/4	1/2	.531 +.015 +0.00	3.000 +.000 -.004	3.001 +.004 +0.00	3.750 +.009 +0.00	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.00	18.74
SU37-3.00-62	3	3-3/4	5/8	.656 +.015 +0.00	3.000 +.000 -.004	3.001 +.004 +0.00	3.750 +.009 +0.00	3.000 +.000 -.004	3.749 +.000 -.004	3.750 +.009 +0.00	18.74
SU37-3.25	3-1/4	4	3/8	.406 +.015 +0.00	3.250 +.000 -.004	3.251 +.004 +0.00	4.000 +.009 +0.00	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.00	19.74
SU37-3.25-50	3-1/4	4	1/2	.531 +.015 +0.00	3.250 +.000 -.004	3.251 +.004 +0.00	4.000 +.009 +0.00	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.00	19.74
SU37-3.25-62	3-1/4	4	5/8	.556 +.015 +0.00	3.250 +.000 -.004	3.251 +.004 +0.00	4.000 +.009 +0.00	3.250 +.000 -.004	3.999 +.000 -.004	4.000 +.009 +0.00	19.74
SU37-3.50	3-1/2	4-1/4	3/8	.406 +.015 +0.00	3.500 +.000 -.004	3.501 +.004 +0.00	4.250 +.009 +0.00	3.500 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +0.00	19.74
SU37-3.50-50	3-1/2	4-1/4	1/2	.531 +.015 +0.00	3.500 +.000 -.004	3.501 +.004 +0.00	4.250 +.009 +0.00	3.500 +.000 -.004	4.249 +.000 -.004	4.250 +.009 +0.00	19.74
SU37-3.75	3-3/4	4-1/2	3/8	.406 +.015 +0.00	3.750 +.000 -.004	3.751 +.004 +0.00	4.500 +.009 +0.00	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.00	22.88
SU37-3.75-50	3-3/4	4-1/2	1/2	.531 +.015 +0.00	3.750 +.000 -.004	3.751 +.004 +0.00	4.500 +.009 +0.00	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.00	22.88
SU37-3.75-62	3-3/4	4-1/2	5/8	.656 +.015 +0.00	3.750 +.000 -.004	3.751 +.004 +0.00	4.500 +.009 +0.00	3.750 +.000 -.004	4.499 +.000 -.004	4.500 +.009 +0.00	22.88

INCH



SU 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	LIST PRICE
SU37-4.00	4-1/4	5	3/8	.406 +.015 +.000	4.000 +.000 -.004	4.001 +.004 +.000	4.750 +.009 +.000	4.000 +.000 -.004	4.790 +.000 -.004	4.750 +.009 +.000	\$24.81
SU37-4.00-50	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	24.81
SU37-4.00-62	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	24.81
SU37-4.12-62	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	25.24
SU37-4.25	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	25.24
SU37-4.25-50	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	25.24
SU37-4.25-62	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	33.17
SU37-4.50-50	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	26.05
SU37-4.50-62	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	26.05
SU37-4.62-50	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	27.03
SU37-4.75-50	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	27.83
SU37-4.75-62	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	27.83
SU37-5.25	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	32.16
SU37-5.25-50	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	32.16
SU37-5.25-62	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	32.16
SU37-5.37-50	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	32.75
SU37-5.50	5-1/2	6-1/4	3/8	.460 +.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	35.31
SU37-5.50-50	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	35.31
SU37-5.75-50	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	38.91
SU37-5.75-62	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	46.30
SU37-6.25-50	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	48.11
SU37-6.25-62	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	48.11
SU37-6.50-50	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	52.97
SU37-6.50-62	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	52.98
SU37-6.75-50	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	54.47
SU37-7.00-50	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	56.53
SU37-7.00-62	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	59.39
SU37-7.25-50	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	61.39
SU37-8.25-50	8-1/4	9	1/2	.531 +.015 +.000	8.250 +.000 -.005	8.251 +.004 +.000	9.000 +.011 +.000	8.250 +.000 -.005	8.999 +.000 -.004	9.000 +.012 +.000	88.38



INCH

SU HEAVY DUTY SYMMETRICAL U-SEALS

U-SEALS

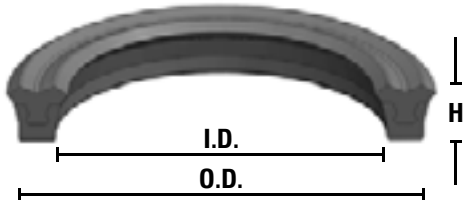
PART NUMBER	A	B	C	D		E		F		G		H		I		J		LIST PRICE	
	NOM. ID	NOM. OD	NOM. HT	GROOVE WIDTH		ROD DIAMETER		THROAT DIAMETER		HOUSING DIAMETER		GROOVE DIAMETER		PISTON DIAMETER		BORE DIAMETER			
1/2" C/S																			
SU50-1.87-62	1-7/8	2-7/8	5/8	.656	+0.015 +0.000	1.875	+0.000 -0.003	1.876	+0.003 +0.000	2.875	+0.008 +0.000	1.875	+0.000 -0.003	2.874	+0.000 -0.004	2.875	+0.008 +0.000	\$22.47	
SU50-2.50-68	2-1/2	3-1/2	11/16	.718	+0.015 +0.000	2.500	+0.000 -0.003	2.501	+0.004 +0.000	3.500	+0.009 +0.000	2.500	+0.000 -0.003	3.499	+0.000 -0.004	3.500	+0.009 +0.000	29.87	
SU50-3.00-62	3	4	5/8	.656	+0.015 +0.000	3.000	+0.000 -0.004	3.001	+0.004 +0.000	4.000	+0.009 +0.000	3.000	+0.000 -0.004	3.999	+0.000 -0.004	4.000	+0.009 +0.000	34.18	
SU50-3.50	3-1/2	4-1/2	1/2	.531	+0.015 +0.000	3.500	+0.000 -0.004	3.501	+0.004 +0.000	4.500	+0.009 +0.000	3.500	+0.000 -0.004	4.499	+0.000 -0.004	4.500	+0.009 +0.000	20.83	
SU50-3.50-62	3-1/2	4-1/2	5/8	.656	+0.015 +0.000	3.500	+0.000 -0.004	3.501	+0.004 +0.000	4.500	+0.009 +0.000	3.500	+0.000 -0.004	4.499	+0.000 -0.004	4.500	+0.009 +0.000	20.83	
SU50-6.00-62	6	7	5/8	.656	+0.015 +0.000	6.000	+0.000 -0.004	6.001	+0.004 +0.000	7.000	+0.011 +0.000	6.000	+0.000 -0.004	6.999	+0.000 -0.004	7.000	+0.011 +0.000	49.16	
SU50-6.00-75	6	7	3/4	.781	+0.015 +0.000	6.000	+0.000 -0.004	6.001	+0.004 +0.000	7.000	+0.011 +0.000	6.000	+0.000 -0.004	6.999	+0.000 -0.004	7.000	+0.011 +0.000	58.51	
SU50-6.50-75	6-1/2	7-1/2	3/4	.781	+0.015 +0.000	6.500	+0.000 -0.004	6.501	+0.004 +0.000	7.500	+0.011 +0.000	6.500	+0.000 -0.004	7.499	+0.000 -0.004	7.500	+0.011 +0.000	60.83	
SU50-7.00-62	7	8	5/8	.656	+0.015 +0.000	7.000	+0.000 -0.005	7.001	+0.004 +0.000	8.000	+0.011 +0.000	7.000	+0.000 -0.005	7.999	+0.000 -0.004	8.000	+0.011 +0.000	64.19	
SU50-7.00-75	7	8	3/4	.781	+0.015 +0.000	7.000	+0.000 -0.005	7.001	+0.004 +0.000	8.000	+0.011 +0.000	7.000	+0.000 -0.005	7.999	+0.000 -0.004	8.000	+0.011 +0.000	79.73	
SU50-7.50-75	7-1/2	8-1/2	3/4	.781	+0.015 +0.000	7.500	+0.000 -0.005	7.501	+0.004 +0.000	8.500	+0.011 +0.000	7.500	+0.000 -0.005	8.499	+0.000 -0.004	8.500	+0.011 +0.000	66.01	
SU50-8.00-62	8	9	5/8	.656	+0.015 +0.000	8.000	+0.000 -0.005	8.001	+0.004 +0.000	9.000	+0.012 +0.000	8.000	+0.000 -0.005	8.999	+0.000 -0.004	9.000	+0.012 +0.000	78.26	
SU50-8.00-75	8	9	3/4	.781	+0.015 +0.000	8.000	+0.000 -0.005	8.001	+0.004 +0.000	9.000	+0.012 +0.000	8.000	+0.000 -0.005	8.999	+0.000 -0.004	9.000	+0.012 +0.000	88.19	
SU50-9.00-62	9	10	5/8	.656	+0.015 +0.000	9.000	+0.000 -0.005	9.001	+0.004 +0.000	10.00	+0.012 +0.000	9.000	+0.000 -0.005	9.999	+0.000 -0.004	10.00	+0.012 +0.000	103.40	
SU50-9.00-75	9	10	3/4	.781	+0.015 +0.000	9.000	+0.000 -0.005	9.001	+0.004 +0.000	10.00	+0.012 +0.000	9.000	+0.000 -0.005	9.999	+0.000 -0.004	10.00	+0.012 +0.000	103.40	
SU50-10.00-75	10	11	3/4	.781	+0.015 +0.000	10.00	+0.000 -0.006	10.001	+0.004 +0.000	11.00	+0.012 +0.000	10.00	+0.000 -0.006	10.999	+0.000 -0.004	11.00	+0.012 +0.000	109.01	

INCH



[SEAL INFORMATION]

P-Z



Z SEAL
 Z = Z Seal — Nitrile Lip/Lubrithane Base
 ZL = Z Seal — Low Temp Lip

Typical Part Number: P18-1.00-31Z



MATERIAL

93A URETHANE
 70A NITRILE RUBBER

TEMPERATURE RANGE

-35° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix)(CS) - (Inside Dia) - (Height)

DEEP Z SEAL

DZ = Deep Z Seal — Nitrile Lip/Lubrithane Base
 DZL = Deep Z Seal — Low-Temp Lip

Typical Part Number: P18-2.25-37DZ

The seal 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 NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
P12-1.00-25DZ	1	1-1/4	1/4	\$ 6.90
P12-1.12-25DZ	1-1/8	1-3/8	1/4	7.19
P12-1.25-25DZ	1-1/4	1-1/2	1/4	7.64
3/16" C/S				
P18-1.12-31DZ	1-1/8	1-1/2	5/16	\$ 7.72
P18-1.12-31Z	1-1/8	1-1/2	5/16	8.83
P18-1.25-31DZ	1-1/4	1-5/8	5/16	8.57
P18-1.25-31Z	1-1/4	1-5/8	5/16	9.27
P18-1.25-37Z	1-1/4	1-5/8	3/8	8.55
P18-1.37-31DZ	1-3/8	1-3/4	5/16	8.34
P18-1.50-37DZ	1-1/2	1-7/8	3/8	8.09
P18-1.50-37Z	1-1/2	1-7/8	3/8	9.90
P18-1.62-37Z	1-5/8	2	3/8	10.63
P18-1.75-25Z	1-3/4	2-1/8	1/4	10.32
P18-1.75-37DZ	1.75	2-1/8	3/8	10.97
P18-1.75-37Z	1-3/4	2-1/8	3/8	11.18
P18-1.87-37Z	1-7/8	2-1/4	3/8	11.85
P18-2.00-25Z	2	2-3/8	1/4	11.94
P18-2.25-37DZ	2-1/4	3	3/8	12.46
P18-2.50-37Z	2-1/2	2-7/8	3/8	15.04
P18-3.00-37Z	3	3-3/8	3/8	16.67
P18-3.50-37Z	3-1/2	3-7/8	3/8	19.77

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-1.00-37Z	1	1-1/2	3/8	\$ 9.31
P25-1.00-56DZ	1	1-1/2	9/16	7.58
P25-1.25-37Z	1-1/4	1-3/4	3/8	9.65
P25-1.50-37DZ	1-1/2	2	3/8	10.65
P25-1.50-37Z	1-1/2	2	3/8	11.46
P25-1.75-37DZ	1-3/4	2-1/4	3/8	11.46
P25-1.75-37Z	1-3/4	2-1/4	3/8	12.53
P25-1.87-37Z	1-7/8	2-3/8	3/8	12.61
P25-2.00-37DZ	2	2-1/2	3/8	12.43
P25-2.00-37Z	2	2-1/2	3/8	13.62
P25-2.25-37Z	2-1/4	2-3/4	3/8	15.41
P25-2.37-37Z	2-3/8	2-7/8	3/8	15.46
P25-2.50-37DZ	2-1/2	3	3/8	13.50
P25-2.50-37Z	2-1/2	3	3/8	15.46
P25-2.62-37DZ	2-5/8	3-1/8	3/8	18.69
P25-2.75-37DZ	2-3/4	3-1/4	3/8	17.12
P25-2.75-37Z	2-3/4	3-1/4	3/8	18.45
P25-3.00-37DZ	3	3-1/2	3/8	18.51
P25-3.00-37Z	3	3-1/2	3/8	19.93
P25-3.25-37Z	3-1/4	3-3/4	3/8	20.88
P25-3.37-37DZ	3-3/8	3-7/8	3/8	21.61
P25-3.50-37DZ	3-1/2	4	3/8	21.37



POLYSEAL Z-SEALS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
P25-3.50-37Z	3-1/2	4	3/8	\$ 22.78
P25-3.75-37DZ	3-3/4	4-1/4	3/8	22.18
P25-3.75-56DZ	3-3/4	4-1/4	9/16	37.15
P25-4.00-37Z	4	4-1/2	3/8	26.57
P25-4.00-56DZ	4	4-1/2	9/16	23.53
P25-4.50-37DZ	4-1/2	5	3/8	30.46
P25-4.50-56DZ	4-1/2	5	9/16	25.66
P25-4.62-56Z	4-5/8	5-1/8	9/16	35.03
P25-4.75-37DZ	4-3/4	5-1/4	3/8	36.18
P25-5.00-56Z	5	5-1/2	9/16	30.94
P25-6.00-56DZ	6	6-1/2	9/16	44.34
P25-6.75-56DZ	6	6-1/2	9/16	52.85
5/16" C/S				
P31-2.25-50DZL	2-1/4	2-7/8	15.89	\$ 16.68
P31-3.00-50DZ	3	3-5/8	1/2	19.45
P31-3.25-50DZL	3-1/4	3-7/8	1/2	25.07

NOTE: CALL FOR SIZES NOT LISTED.

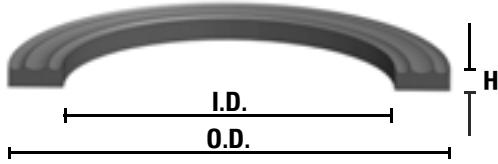
PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/8" C/S				
P37-1.75-62Z	1-3/4	2-1/2	5/8	\$ 18.19
P37-2.62-62DZ	2-5/8	3-3/8	5/8	27.96
P37-2.75-62Z	2-3/4	3-1/2	5/8	23.16
P37-3.00-62Z	3	3-3/4	5/8	24.03
P37-3.50-62DZ	3-1/2	4-1/4	5/8	34.21
P37-3.62-62DZ	3-5/8	4-3/8	5/8	37.10
P37-3.75-62Z	3-3/4	4-1/2	5/8	29.53
P37-4.00-62DZ	4	4-3/4	5/8	29.99
P37-4.00-62Z	4	4-3/4	5/8	39.82
P37-4.50-62DZ	4-1/2	5-1/4	5/8	36.61
P37-4.75-62DZ	4-3/4	5-1/2	5/8	40.10
P37-4.75-62Z	4-3/4	5-1/2	5/8	35.49
P37-5.00-62Z	5	5-3/4	5/8	50.12
P37-5.50-62DZ	5-1/2	6-1/4	5/8	54.29
P37-5.75-62Z	5-3/4	6-1/2	5/8	54.72
P37-6.00-56Z	6	6-3/4	9/16	55.90
P37-6.00-62DZ	6	6-3/4	5/8	56.05
P37-6.00-62Z	6	6-3/4	5/8	57.89
P37-6.25-62Z	6-1/4	7	5/8	59.53



INCH

[SEAL INFORMATION]

PIP



PIP

Companion Ring



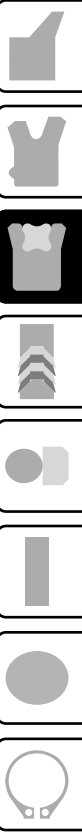
Poly-O
Loaded Lip
U-Seal

MATERIAL	95A LUBRITHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) (CS) - (Inside Dia)

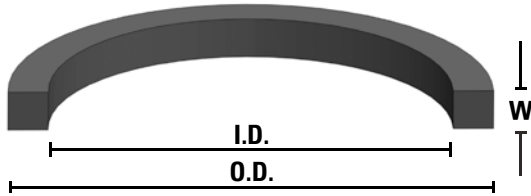
Used as a companion to our "B" lip configured Poly-O U-Seal, PIP rings convert a unidirectional u-seal into a bidirectional seal. NOTE: Height dimension is the increase in groove width required.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
PIP125-00.750	3/4	1	.065	\$ 3.80
PIP125-01.000	1	1-1/4	.065	4.97
PIP125-01.250	1-1/4	1-1/2	.065	5.17
PIP125-01.500	1-1/2	1-3/4	.065	5.48
PIP125-01.750	1-3/4	2	.065	5.65
3/16" C/S				
PIP187-01.000	1	1-3/8	.109	\$ 4.82
PIP187-01.125	1-1/8	1-1/2	.109	5.32
PIP187-01.375	1-3/8	1-3/4	.109	6.24
PIP187-01.500	1-1/2	1-7/8	.109	6.59
PIP187-01.625	1-5/8	2	.109	7.39
PIP187-01.750	1-3/4	2-1/8	.109	6.76
PIP187-02.375	2-3/8	2-3/4	.109	8.82
PIP187-02.625	2-5/8	3	.109	9.51
PIP187-03.000	3	3-3/8	.109	8.90
PIP187-03.125	3-1/8	3-1/2	.109	8.64
PIP187-03.375	3-3/8	3-3/4	.109	9.65
PIP187-03.625	3-5/8	4	.109	11.66
PIP187-04.000	4	4-3/8	.109	12.68
1/4" C/S				
PIP250-01.000	1	1-1/2	.137	\$ 6.52
PIP250-01.500	1-1/2	2	.137	7.82
PIP250-01.750	1-3/4	2-1/4	.137	8.10
PIP250-02.000	2	2-1/2	.137	8.98
PIP250-02.250	2-1/4	2-3/4	.137	11.07
PIP250-02.500	2-1/2	3	.137	11.36
PIP250-02.750	2-3/4	3-1/4	.137	14.07
PIP250-03.000	3	3-1/2	.137	14.15
PIP250-03.250	3-1/4	3-3/4	.137	15.69
PIP250-03.500	3-1/2	4	.137	18.40
PIP250-03.750	3-3/4	4-1/4	.137	13.94
PIP250-04.000	4	4-1/2	.137	18.30
PIP250-04.250	4-1/4	4-3/4	.137	18.66

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/4" C/S				
PIP250-04.500	4-1/2	5	.137	\$ 18.85
PIP250-05.000	5	5-1/2	.137	19.23
PIP250-05.500	5-1/2	6	.137	29.53
PIP250-06.000	6	6-1/2	.137	23.43
PIP250-06.500	6-1/2	7	.137	26.61
PIP250-07.000	7	7-1/2	.137	26.02
5/16" C/S				
PIP312-02.375	2-3/8	3	.160	\$ 12.32
PIP312-03.375	3-3/8	4	.160	16.89
PIP312-04.375	4-3/8	5	.160	24.33
PIP312-06.375	6-3/8	7	.160	26.49
3/8" C/S				
PIP375-02.000	2	2-3/4	.207	\$ 12.16
PIP375-02.250	2-1/4	3	.207	14.99
PIP375-02.500	2-1/2	3-1/4	.207	14.75
PIP375-02.750	2-3/4	3-1/2	.207	19.16
PIP375-03.250	3-1/4	4	.207	24.03
PIP375-03.500	3-1/2	4-1/4	.207	23.23
PIP375-03.750	3-3/4	4-1/2	.207	22.61
PIP375-04.250	4-1/4	5	.207	29.99
PIP375-05.250	5-1/4	6	.207	37.37
PIP375-05.500	5-1/2	6-1/4	.207	35.72
PIP375-05.750	5-3/4	6-1/2	.207	42.85
PIP375-06.250	6-1/4	7	.207	46.13
PIP375-07.250	7-1/4	8	.207	43.55
PIP375-08.250	8-1/4	9	.207	44.79
1/2" C/S				
PIP500-04.000	4	5	.275	\$ 34.47
PIP500-05.000	5	6	.275	40.09
PIP500-06.000	6	7	.275	51.70
PIP500-07.000	7	8	.275	45.83
PIP500-08.000	8	9	.275	64.13
PIP500-09.000	9	10	.275	67.65



[SEAL INFORMATION]

MB

MATERIAL 55D & 65D URETHANE

TEMPERATURE RANGE -40° TO +250° F

PART NUMBER (Prefix) (CS) - (ID) - (Width)

"P" = HARD HYTREL

Modular Back-Ups are made from hard polyurethane. Ideal for high pressures, they are commonly used as anti-extrusion backups for U-seals. Care should be taken for use in water hotter than 150 degrees. For even higher pressures and temperatures, hytrel is recommended.

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
1/8" C/S				
P12-0.25MB	1/4	1/2	1/8	\$ 6.84
P12-0.37MB	3/8	5/8	1/8	7.07
P12-0.50MB	1/2	3/4	1/8	7.27
P12-1.00MB	1	1-1/4	1/8	8.04
P12-2.50MB	2-1/2	2-3/4	1/8	9.08
P12-3.25MB	3-1/4	3-1/2	1/8	11.32
3/16" C/S				
P18-1.00MB	1	1-3/8	3/16	\$ 8.67
P18-1.25MB	1-1/4	1-5/8	3/16	7.69
P18-1.50MB	1-1/2	1-7/8	3/16	8.18
P18-1.75MB	1-3/4	2-1/8	3/16	8.70
P18-2.00MB	2	2-3/8	3/16	9.08
P18-2.62MB	2-5/8	3	3/16	10.32
P18-3.00MB	3	3-3/8	3/16	11.45
P18-3.62MB	3-5/8	4	3/16	15.01
P18-4.12MB	4-1/8	4-1/2	3/16	18.13
1/4" C/S				
P25-0.75MB	3/4	1-1/4	1/4	\$ 7.78
P25-1.00MB	1	1-1/2	1/4	7.74
P25-1.25MB	1-1/4	1-3/4	1/4	11.28
P25-1.37MB	1-3/8	1-7/8	1/4	8.82
P25-1.50MB	1-1/2	2	1/4	9.26
P25-1.75MB	1-3/4	2-1/4	1/4	10.34
P25-2.00MB	2	2-1/2	1/4	13.19
P25-2.25MB	2-1/4	2-3/4	1/4	15.17
P25-2.50MB	2-1/2	3	1/4	13.87
P25-2.62MB	2-5/8	3-1/8	1/4	14.85
P25-2.75MB	2-3/4	3-1/4	1/4	15.05
P25-3.00MB	3	3-1/2	1/4	16.19
P25-3.25MB	3-1/4	3-3/4	1/4	18.80

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
1/4" C/S				
P25-3.50MB	3-1/2	4	1/4	\$ 18.56
P25-3.75MB	3-3/4	4-1/4	1/4	19.77
P25-4.00MB	4	4-1/2	1/4	20.89
P25-4.00-43MB	4	4-1/2	7/16	27.20
P25-4.50MB	4-1/2	5	1/4	23.25
P25-4.62MB	4-5/8	5-1/8	1/4	23.83
P25-5.00MB	5	5-1/2	1/4	25.91
P25-5.50MB	5-1/2	6	1/4	27.96
P25-6.00MB	6	6-1/2	1/4	36.55
P25-9.62MB	9-5/8	10-1/8	1/4	47.80
P25-9.75MB	9-3/4	10-1/4	1/4	48.60
5/16" C/S				
P31-1.00MB	1	1-5/8	5/16	\$ 9.08
P31-1.25MB	1-1/4	1-7/8	5/16	9.79
P31-1.50MB	1-1/2	2-1/8	5/16	10.94
P31-1.75MB	1-3/4	2-3/8	5/16	11.09
P31-1.87MB	1-7/8	2-1/2	5/16	13.16
P31-2.00MB	2	2-5/8	5/16	12.46
P31-2.12MB	2-1/8	2-3/4	5/16	13.88
P31-2.12-37MB	2-1/8	2-3/4	5/16	17.98
P31-2.25MB	2-1/4	2-7/8	5/16	14.76
P31-2.37MB	2-3/8	3	5/16	17.55
P31-2.50MB	2-1/2	3-1/8	5/16	19.35
P31-2.87MB	2-7/8	3-1/2	5/16	18.61
P31-3.12MB	3-1/8	3-3/4	5/16	20.02
P31-3.37MB	3-3/8	4	5/16	21.61
P31-3.87MB	3-7/8	4-1/2	5/16	24.63
P31-4.50MB	4-1/2	5-1/8	5/16	29.60
P31-4.87MB	4-7/8	5-1/2	5/16	30.53
P31-5.00MB	5	5-5/8	5/16	31.29



MODULAR BACK-UPS

83

U-SEALS

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
5/16" C/S				
P37-5.50MB	5-1/2	6-1/8	5/16	\$ 34.20
3/8" C/S				
P37-1.00MB	1	1-3/4	3/8	\$ 12.00
P37-1.25MB	1-1/4	2	3/8	13.18
P37-1.37MB	1-3/8	2-1/8	3/8	13.97
P37-1.50MB	1-1/2	2-1/4	3/8	14.82
P37-1.62MB	1-5/8	2-3/8	3/8	15.95
P37-1.75-50MB	1-3/4	2-1/2	1/2	22.05
P37-2.00MB	2	2-3/4	3/8	19.37
P37-2.25MB	1-3/4	3	3/8	19.92
P37-2.37MB	2-3/8	3-1/8	3/8	21.70
P37-2.50MB	2-1/2	3-1/4	3/8	22.51
P37-2.50-25MB-P	2-1/2	3-1/4	1/4	39.69
P37-2.62MB	2-5/8	3-3/8	3/8	33.85
P37-2.62-57MB	2-5/8	3-3/8	9/16	26.32
P37-2.75MB	2-3/4	3-1/2	3/8	24.75
P37-2.75-25MB	2-3/4	3-1/2	1/4	26.46
P37-3.00MB	3	3-3/4	3/8	26.99
P37-3.12MB	3-1/8	3-7/8	3/8	27.80
P37-3.25MB	3-1/4	4	3/8	28.63
P37-3.50MB	3-1/2	4-1/4	3/8	30.82
P37-3.50-25MB	3-1/2	4-1/4	1/4	33.75
P37-3.62MB	3-5/8	4-3/8	3/8	44.93
P37-3.62-56MB	3-5/8	4-3/8	9/16	34.93
P37-3.75MB	3-3/4	4-1/2	3/8	32.40
P37-4.00MB	4	4-3/4	3/8	34.59
P37-4.25MB	4-1/4	5	3/8	36.55
P37-4.50MB	4-1/2	5-1/4	3/8	38.46
P37-4.50-50MB	4-1/2	5-1/4	1/2	41.98
P37-4.75MB	4-3/4	5-1/2	3/8	40.40
P37-4.87MB	4-7/8	5-5/8	3/8	41.31
P37-5.00MB	5	5-3/4	3/8	42.34
P37-5.25MB	5-1/4	6	3/8	44.47
P37-5.25-12MB	5-1/4	6	1/8	43.98

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
3/8" C/S				
P37-5.50MB	5-1/2	6-1/4	3/8	\$ 46.09
P37-6.00MB	6	6-3/4	3/8	60.70
P37-6.00-56MB	6	6-3/4	9/16	53.13
P37-6.25MB	6-1/4	7	3/8	50.59
P37-7.00MB	7	7-3/4	3/8	55.42
P37-7.25MB	7-1/4	8	3/8	56.94
P37-7.50MB	7-1/2	8-1/4	3/8	58.62
P37-9.75MB	9-3/4	10-1/2	3/8	73.06
P37-12.25MB	12-1/4	13	3/8	92.27
7/16" C/S				
P43-3.87-25MB	3-7/8	4-3/4	1/4	\$ 20.30
P43-4.50-62MB	4-1/2	5-3/8	5/8	50.38
P43-4.75-31MB	4-3/4	5-5/8	5/16	40.85
1/2" C/S				
P50-2.00MB	2	3	1/2	\$ 26.39
P50-2.25MB	2-1/4	2-3/4	1/2	29.56
P50-2.50MB	2-1/2	3-1/2	1/2	31.63
P50-2.75MB	2-3/4	3-3/4	1/2	34.26
P50-3.00MB	3	4	1/2	36.85
P50-3.50MB	3-1/2	4-1/2	1/2	41.77
P50-4.00MB	4	5	1/2	47.24
P50-4.50MB	4-1/2	5-1/2	1/2	52.41
P50-5.00MB	5	6	1/2	57.70
P50-5.25MB	5-1/4	6-1/4	1/2	60.06
P50-6.00MB	6	7	1/2	65.87
P50-6.12MB	6-1/8	7-1/8	1/2	66.20
P50-7.00MB	7	8	1/2	71.00
P50-8.00MB	8	9	1/2	89.64
P50-8.50MB	8-1/2	9-1/2	1/2	83.67
P50-9.00MB	9	10	1/2	90.22
5/8" C/S				
P62-2.75MB	2-3/4	4	5/8	\$ 42.04
P62-3.25MB	3-1/4	5-1/2	5/8	46.38

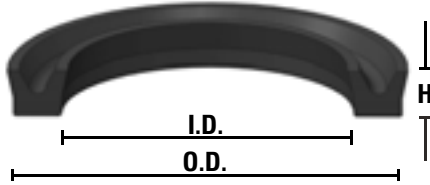


INCH



[SEAL INFORMATION]

6226



Typical part number:
6226-250-01.250

MATERIAL

70A BUNA-N RUBBER

TEMPERATURE RANGE

-40° TO +240° F

PRESSURE RANGE

0 TO 500 PSI

PART NUMBER

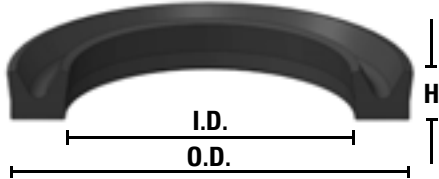
(Prefix) - (CS) - (I.D.)

6226 U-Cups are precision molded from Buna-N synthetic rubber. These u-cup part numbers are listed according to the inside diameter with a dash number (where applicable) called out by the Army-Navy specification.

PART NUMBER	#6226	I.D.	O.D.	H	LIST PRICE	PART NUMBER	#6226	I.D.	O.D.	H	LIST PRICE
6226-062-00.125	-006	1/8	1/4	1/16	\$ 0.88	6226-250-01.250	-24	1-1/4	1-3/4	1/4	\$ 2.20
6226-125-00.125	-41	1/8	3/8	1/8	1.41	6226-312-01.250	-25	1-1/4	1-7/8	5/16	2.37
6226-187-00.125	-01	1/8	1/2	3/16	1.41	6226-312-01.375	-26	1-3/8	2	5/16	2.52
6226-125-00.187	-42	3/16	7/16	1/8	1.41	6226-312-01.500	-27	1-1/2	2-1/8	5/16	2.61
6226-187-00.187	-02	3/16	9/16	3/16	1.41	6226-312-01.625	-28	1-5/8	2-1/4	5/16	2.63
6226-125-00.250	-43	1/4	1/2	1/8	1.41	6226-187-01.750	**	1-3/4	2-1/8	3/16	6.40
6226-187-00.250	-03	1/4	5/8	3/16	1.47	6226-312-01.750	-29	1-3/4	2-3/8	5/16	2.67
6226-250-00.250	-08	1/4	3/4	1/4	1.80	6226-312-01.875	-30	1-7/8	2-1/2	5/16	2.75
6226-125-00.312	-44	5/16	9/16	1/8	1.41	6226-187-02.000	**	2	2-3/8	3/16	5.25
6226-187-00.312	-04	5/16	11/16	3/16	1.47	6226-312-02.000	-31	2	2-5/8	5/16	2.84
6226-250-00.312	-09	5/16	13/16	1/4	1.80	6226-312-02.125	-32	2-1/8	2-3/4	5/16	2.96
6226-125-00.375	-45	3/8	5/8	1/8	1.47	6226-312-02.250	-33	2-1/4	2-7/8	5/16	3.02
6226-187-00.375	-05	3/8	3/4	3/16	1.47	6226-312-02.375	-34	2-3/8	3	5/16	3.20
6226-250-00.375	-10	3/8	7/8	1/4	1.80	6226-312-02.500	-35	2-1/2	3-1/8	5/16	3.38
6226-125-00.437	-46	7/16	11/16	1/8	1.56	6226-375-02.500	-36	2-1/2	3-1/4	3/8	3.49
6226-187-00.437	-06	7/16	13/16	3/16	1.62	6226-250-02.625	**	2-5/8	3-1/8	1/4	6.17
6226-250-00.437	-11	7/16	15/16	1/4	1.80	6226-375-02.625	-37	2-5/8	3-3/8	3/8	3.66
6226-125-00.500	-47	1/2	3/4	1/8	1.56	6226-375-02.750	-38	2-3/4	3-1/2	3/8	3.71
6226-187-00.500	-07	1/2	7/8	3/16	1.69	6226-375-02.875	-39	2-7/8	3-5/8	3/8	3.82
6226-250-00.500	-12	1/2	1	1/4	1.92	6226-375-03.000	-40	3	3-3/4	3/8	3.90
6226-250-00.562	-13	9/16	1-1/16	1/4	1.92	6226-250-03.125	**	3-1/8	3-5/8	1/4	6.69
6226-187-00.625	-48	5/8	1	3/16	1.92	6226-375-03.250	-60	3-1/4	4	3/8	5.53
6226-250-00.625	-14	5/8	1-1/8	1/4	1.92	6226-250-03.625	**	3-5/8	4-1/8	1/4	8.08
6226-250-00.687	-15	11/16	1-3/16	1/4	1.92	6226-250-04.125	**	4-1/8	4-5/8	1/4	10.05
6226-187-00.750	-49	3/4	1-1/8	3/16	1.92	6226-375-04.250	-65	4-1/4	5	3/8	9.10
6226-250-00.750	-16	3/4	1-1/4	1/4	2.05	6226-437-05.125	**	5-1/8	6	7/16	26.76
6226-250-00.812	-17	13/16	1-5/16	1/4	2.05	6226-375-05.250	**	5-1/4	6	3/8	20.59
6226-187-00.875	-50	7/8	1-1/4	3/16	2.05	6226-375-05.250W	**	5-1/4	6	1/2	20.59
6226-250-00.875	-18	7/8	1-3/8	1/4	2.05	6226-500-06.000	**	6	7	1/2	22.40
6226-250-00.937	-19	15/16	1-7/16	1/4	2.05	6226-437-06.125	**	6-1/8	7	7/16	39.68
6226-187-01.000	-51	1	1-3/8	3/16	2.05	6226-375-06.250W	**	6-1/4	7	1/2	22.01
6226-250-01.000	-20	1	1-1/2	1/4	2.14	6226-500-07.000	-80	7	8	1/2	29.33
6226-250-01.062	-21	1-1/16	1-9/16	1/4	2.20	6226-500-08.000	-82	8	9	1/2	43.66
6226-187-01.125	-52	1-1/8	1-1/2	3/16	2.08	6226-500-09.000	**	9	10	1/2	83.45
6226-250-01.125	-22	1-1/8	1-5/8	1/4	2.20	6226-500-11.000	-90	11	12	1/2	48.44
6226-250-01.187	-23	1-3/16	1-11/16	1/4	2.20	6226-500-13.000	-95	13	14	1/2	90.78
6226-187-01.250	-53	1-1/4	1-5/8	3/16	2.08						

[SEAL INFORMATION]

NU



Typical part numbers:
NU18-1.37 (Buna)
NU18-1.37V (Fluorocarbon)

MATERIAL

80A BUNA-N RUBBER
 90A FLUOROCARBON

TEMPERATURE RANGE

BUNA-N: -40° TO +250° F
 FCBN: -20° TO +400° F

PRESSURE RANGE

0 TO 2,000 PSI

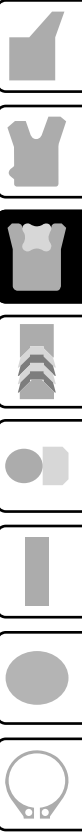
PART NUMBER

(Prefix) (CS) - (Inside Dia)

NU style u-cups are precision molded from 80A Buna-N and 90A Fluorocarbon homogenous rubber. Popularly termed "Huva Cup," they are beveled on the inside and outside lips and include sizes called out by Army-Navy specifications, as well as narrow cross-section sizes found in J.I.C. cylinders.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/32" C/S				
NU09-0.12	1/8	5/16	3/32	\$ 1.91
NU09-0.18	3/16	3/8	3/32	1.91
NU09-0.25	1/4	7/16	3/32	1.91
NU09-0.25V	1/4	7/16	3/32	17.39
NU09-0.31	5/16	1/2	3/32	1.91
NU09-0.43	7/16	5/8	3/32	1.91
NU09-0.50	1/2	11/16	3/32	1.91
NU09-0.56	9/16	3/4	3/32	1.91
NU09-0.62	5/8	13/16	3/32	1.91
NU09-0.68	11/16	7/8	3/32	2.03
NU09-0.75	3/4	15/16	3/32	2.13
1/8" C/S				
NU12-0.18	3/16	7/16	1/8	\$ 1.91
NU12-0.25	1/4	1/2	1/8	1.91
NU12-0.37	3/8	5/8	1/8	1.91
NU12-0.43	7/16	11/16	1/8	1.91
NU12-0.50	1/2	3/4	1/8	1.91
NU12-0.50V	1/2	3/4	1/8	7.02
NU12-0.56	9/16	13/16	1/8	1.91
NU12-0.62	5/8	7/8	1/8	1.91
NU12-0.62V	5/8	7/8	1/8	8.61
NU12-0.68	11/16	15/16	1/8	1.91
NU12-0.75	3/4	1	1/8	1.91
NU12-0.75V	3/4	1	1/8	11.86
NU12-0.81	13/16	1-1/16	1/8	2.04
NU12-0.87	7/8	1-1/8	1/8	2.04
NU12-0.87V	7/8	1-1/8	1/8	12.32
NU12-1.00	1	1-1/4	1/8	2.04
NU12-1.00V	1	1-1/4	1/8	12.91
NU12-1.12	1-1/8	1-3/8	1/8	2.10
NU12-1.25	1-1/4	1-1/2	1/8	2.39
NU12-1.37	1-3/8	1-5/8	1/8	2.10
NU12-1.50	1-1/2	1-3/4	1/8	2.10

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
NU12-1.75	1-3/4	2	1/8	\$ 2.10
NU12-2.00	2	2-1/4	1/8	2.10
5/32" C/S				
NU15-0.50	1/2	13/16	5/32	\$ 2.10
NU15-0.68	11/16	1	5/32	2.19
NU15-0.75	3/4	1-1/16	5/32	2.19
NU15-0.93	15/16	1-1/4	5/32	2.19
NU15-1.00	1	1-5/16	5/32	2.25
NU15-1.00V	1	1-5/16	5/32	14.49
NU15-1.06	1-1/16	1-3/8	5/32	2.27
NU15-1.18	1-3/16	1-1/2	5/32	2.35
NU15-1.18V	1-3/16	1-1/2	5/32	15.23
NU15-1.25	1-1/4	1-9/16	5/32	2.50
NU15-1.31	1-5/16	1-5/8	5/32	2.73
NU15-1.37	1-3/8	1-11/16	5/32	2.66
NU15-1.37V	1-3/8	1-11/16	5/32	16.65
NU15-1.43	1-7/16	1-3/4	5/32	2.66
NU15-1.50	1-1/2	1-13/16	5/32	2.72
3/16" C/S				
NU18-0.25	1/4	5/8	3/16	\$ 2.02
NU18-0.62	5/8	1	3/16	2.28
NU18-0.75	3/4	1-1/8	3/16	2.28
NU18-1.00	1	1-3/8	3/16	2.28
NU18-1.25	1-1/4	1-5/8	3/16	2.28
NU18-1.37	1-3/8	1-3/4	3/16	2.51
NU18-1.37V	1-3/8	1-3/4	3/16	22.35
NU18-1.50	1-1/2	1-7/8	3/16	2.51
NU18-1.62	1-5/8	2	3/16	2.66
NU18-1.62V	1-5/8	2	3/16	17.81
NU18-1.75	1-3/4	2-1/8	3/16	2.66
NU18-1.75V	1-3/4	2-1/8	3/16	18.56
NU18-1.87	1-7/8	2-1/4	3/16	2.66
NU18-2.00	2	2-3/8	3/16	2.87



NU HOMOGENEOUS U-CUPS

U-SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
3/16" C/S				
NU18-2.00V	2	2-3/8	3/16	\$ 19.03
NU18-2.12	2-1/8	2-1/2	3/16	2.87
NU18-2.12V	2-1/8	2-1/2	3/16	19.03
NU18-2.37	2-3/8	2-3/4	3/16	2.87
NU18-2.50	2-1/2	2-7/8	3/16	4.03
NU18-2.62	2-5/8	3	3/16	3.57
NU18-2.87	2-7/8	3-1/4	3/16	3.78
NU18-3.00	3	3-3/8	3/16	2.38
NU18-3.25	3-1/4	3-5/8	3/16	6.58
NU18-3.37	3-3/8	3-3/4	3/16	6.45
7/32" C/S				
NU21-2.50	2-1/2	2-15/16	7/32	\$ 3.94
NU21-2.50V	2-1/2	2-15/16	7/32	20.94
NU21-2.56	2-9/16	3	7/32	4.14
NU21-2.56V	2-9/16	3	7/32	23.42
NU21-2.75	2-3/4	3-3/16	7/32	4.56
NU21-2.81	2-13/16	3-1/4	7/32	4.78
NU21-2.81V	2-13/16	3-1/4	7/32	21.75
NU21-3.00	3	3-7/16	7/32	5.86
NU21-3.00V	3	3-7/16	7/32	23.40
NU21-3.06	3-1/16	3-1/2	7/32	6.69
NU21-3.31	3-5/16	3-3/4	7/32	7.37
1/4" C/S				
NU25-1.37	1-3/8	1-7/8	1/4	\$ 3.96
NU25-1.75	1-3/4	2-1/4	1/4	4.14
NU25-2.00	2	2-1/2	1/4	4.56
NU25-2.50	2-1/2	3	1/4	4.79
NU25-2.75	2-3/4	3-1/4	1/4	5.06
NU25-3.50	3-1/2	4	1/4	5.00
NU25-3.50V	3-1/2	4	1/4	23.87
NU25-3.75	3-3/4	4-1/4	1/4	5.25
NU25-4.00	4	4-1/2	1/4	5.42
NU25-4.00V	4	4-1/2	1/4	29.91
NU25-4.50	4-1/2	5	1/4	5.97
NU25-4.50V	4-1/2	5	1/4	33.68
NU25-4.75	4-3/4	5-1/4	1/4	10.63
NU25-5.50	5-1/2	6	1/4	11.42

PART NUMBER	I.D.	O.D.	H	LIST PRICE
9/32" C/S				
NU28-4.43	4-7/16	5	9/32	\$ 10.12
NU28-4.43V	4-7/16	5	9/32	34.88
NU28-4.56V	4-9/16	5-1/8	9/32	25.22
NU28-5.00	5	5-9/16	9/32	20.90
NU28-5.00V	5	5-9/16	9/32	38.65
NU28-5.43	5-7/16	6	9/32	12.36
NU28-5.43V	5-7/16	6	9/32	42.36
NU28-6.43	6-7/16	7	9/32	8.34
NU28-6.43V	6-7/16	7	9/32	49.82
5/16" C/S				
NU31-2.87	2-7/8	3-1/2	5/16	\$ 8.19
NU31-4.37	4-3/8	5	5/16	7.49
NU31-5.37	5-3/8	6	5/16	11.22
NU31-5.37V	5-3/8	6	5/16	48.64
NU31-5.50	5-1/2	6-1/8	5/16	14.74
NU31-5.50V	5-1/2	6-1/8	5/16	63.89
NU31-6.37	6-3/8	7	5/16	17.77
NU31-6.37V	6-3/8	7	5/16	67.39
NU31-7.37	7-3/8	8	5/16	21.98
NU31-7.37V	7-3/8	8	5/16	103.30
11/32" C/S				
NU34-9.31	9-5/16	10	11/32	\$ 30.15
NU34-9.31V	9-5/16	10	11/32	131.15
3/8" C/S				
NU37-2.50	2-1/2	3-1/4	3/8	\$ 5.40
NU37-2.75	2-3/4	3-1/2	3/8	5.65
NU37-9.25	9-1/4	10	3/8	30.69
NU37-11.25	11-1/4	12	3/8	52.13
12/32" C/S				
NU40-13.18	13-3/16	14	12/32	\$ 38.93
1/2" C/S				
NU50-9.00	9	10	1/2	\$ 50.29
NU50-11.00	11	12	1/2	65.72
NU50-11.00V	11	12	1/2	108.51

Note: "V" following the part number denotes fluorocarbon.

INCH



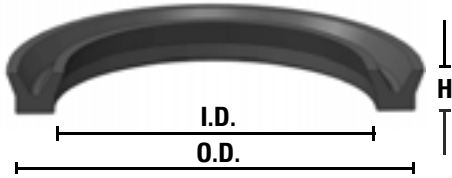
HU HOMOGENEOUS U-CUPS

87

U-SEALS

[SEAL INFORMATION]

HU



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

MATERIAL

90A BUNA-N RUBBER
90A FLUOROCARBON

TEMPERATURE RANGE

BUNA-N: -40° TO +250° F
FCBN: -20° TO +400° F

PRESSURE RANGE

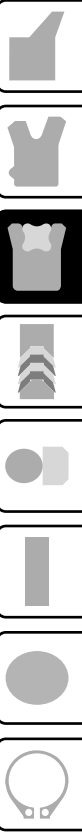
0 TO 1,250 PSI W/O BACK-UP
0 TO 2,200 PSI W/ BACK-UP

PART NUMBER

(Prefix) (CS) - (Inside Dia) -
(Height) - (90 Nitrile/Viton)

PART NUMBER	I.D.	O.D.	H	LIST PRICE
1/8" C/S				
HU12-0.75-12-90N	3/4	1	1/8	\$ 1.95
HU12-0.75-12-90V	3/4	1	1/8	12.52
5/32" C/S				
HU15-1.18-15-90N	1-3/16	1-1/2	5/32	\$ 2.41
HU15-1.18-15-90V	1-3/16	1-1/2	5/32	14.77
HU15-1.25-15-90N	1-1/4	1 9/16	5/32	2.56
HU15-1.25-15-90V	1-1/4	1 9/16	5/32	20.87
3/16" C/S				
HU18-1.62-18-90N	1-5/8	2	3/16	\$ 2.72
HU18-1.62-18-90V	1-5/8	2	3/16	38.03
HU18-2.12-18-90N	2-1/8	2-1/2	3/16	2.94
HU18-2.12-18-90V	2-1/8	2-1/2	3/16	40.41
7/32" C/S				
HU21-2.81-21-90N	2-13/16	3-1/4	7/32	\$ 4.89
HU21-2.81-21-90V	2-13/16	3-1/4	7/32	39.15
1/4" C/S				
HU25-3.50-25-90N	3-1/2	4	1/4	\$ 5.12
HU25-3.50-25-90V	3-1/2	4	1/4	52.09
HU25-4.50-25-90N	4-1/2	5	1/4	6.11
HU25-4.50-25-90V	4-1/2	5	1/4	34.47
.280" C/S				
HU28-4.43-28-90N	4-7/16	5	9/32	\$ 11.04
HU28-4.43-28-90V	4-7/16	5	9/32	53.03
HU28-5.43-28-90N	5-7/16	6	9/32	12.66
HU28-5.43-28-90V	5-7/16	6	9/32	43.37
HU28-6.43-28-90N	6-7/16	7	9/32	12.72
HU28-6.43-28-90V	6-7/16	7	9/32	77.91

PART NUMBER	I.D.	O.D.	H	LIST PRICE
5/16" C/S				
HU31-5.37-31-90N	5-3/8	6	5/16	\$ 11.48
HU31-5.37-31-90V	5-3/8	6	5/16	55.77
HU31-6.37-31-90N	6-3/8	7	5/16	18.19
HU31-6.37-31-90V	6-3/8	7	5/16	68.97
HU31-7.37-31-90N	7-3/8	8	5/16	22.49
HU31-7.37-31-90V	7-3/8	8	5/16	110.37
11/32" C/S				
HU34-9.31-34-90N	9-5/16	10	11/32	\$ 30.86
HU34-9.31-34-90V	9-5/16	10	11/32	134.23
3/8" C/S				
HU37-11.25-37-90N	11-1/4	12	3/8	\$ 53.35
HU37-11.25-37-90V	11-1/4	12	3/8	160.50
13/32" C/S				
HU40-13.18-40-90N	13-3/16	14	13/32	\$ 28.71
HU40-13.18-40-90V	13-3/16	14	13/32	217.48
1/2" C/S				
HU50-11.00-50-90N	11	12	1/2	\$ 67.27
HU50-11.00-50-90V	11	12	1/2	217.48
HU50-13.00-50-90N	13	14	1/2	69.57
HU50-13.00-50-90V	13	14	1/2	275.12



INCH



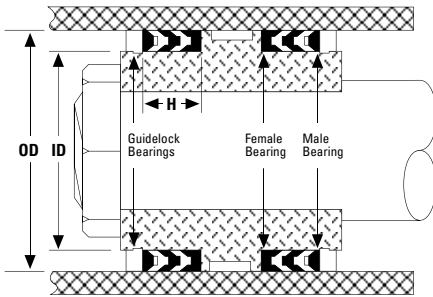
HYDROLOCK V-PACKING SETS

V-PACKING

[SEAL INFORMATION]

HDLV

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



STANDARD HYDROLOCK SET
w/ 1/4" female bearing



HYDROLOCK SET
w/ 1/2" female bearing



HYDROLOCK SET
w/ 1" female bearing



MATERIAL

HYTREL & NYLON

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 6,000 PSI

PART NUMBER

(Prefix)- # of vees)-(OD)-Bearing Ht)

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 guide-lock bearings. They are sold separately as shown on page 89.

PART NUMBER	I.D.	O.D.	H	LIST PRICE
HDLV-1740-350	3	3-1/2	3/4	\$ 22.03
HDLV-1740-400	3-1/2	4	3/4	34.83
HDLV-1740-500	4-1/2	5	3/4	56.47
HDLV-1740-600	5-1/2	6	3/4	32.30
HDLV-1740-627	5-3/4	6.265	3/4	34.96
HDLV-1741-275-100FB	2-1/4	2-3/4	1-5/8	53.52
HDLV-1741-300-050FB	2-1/2	3	1-1/8	39.49
HDLV-1741-350-050FB	3	3-1/2	1-1/8	71.20
HDLV-1741-400-050FB	3-1/2	4	1-1/8	49.51
HDLV-1741-425-100FB	3-3/4	4-1/4	1-5/8	62.13
HDLV-1741-450-050FB	4	4-1/2	1-1/8	55.42
HDLV-1741-500	4-1/2	5	7/8	48.42
HDLV-1741-500-050FB	4-1/2	5	1-1/8	52.42
HDLV-1741-500-075FB	4-1/2	5	1-3/8	50.83
HDLV-1741-600-050FB	5-1/2	6	1-1/8	83.65
HDLV-1741-725	6-3/4	7-1/4	7/8	90.66
HDLV-1741-1200-050FB	11-1/2	12	1-1/8	424.41
HDLV-1742-200	1-1/2	2	1	37.74
HDLV-1742-225	1-3/4	2-1/4	1	27.83
HDLV-1742-250	2	2-1/2	1	28.95
HDLV-1742-250-100FB	2	2-1/2	1-3/4	53.26
HDLV-1742-275	2-1/4	2-3/4	1	32.96
HDLV-1742-275-100FB	2-1/4	2-3/4	1-3/4	48.14
HDLV-1742-300	2-1/2	3	1	28.43
HDLV-1742-300-100FB	2-1/2	3	1-3/4	67.19
HDLV-1742-312-100FB	2-1/2	3-1/8	1-11/16	88.71
HDLV-1742-325	2-3/4	3-1/4	1	33.37
HDLV-1742-325-100FB	2-3/4	3-1/4	1-3/4	52.92
HDLV-1742-350	3	3-1/2	1	35.08
HDLV-1742-350-100FB	3	3-1/2	1-3/4	80.51
HDLV-1742-375	3-1/4	3-3/4	1	51.21
HDLV-1742-375-050FB	3-1/4	3-3/4	1-1/4	50.97
HDLV-1742-400	3-1/2	4	1	40.12
HDLV-1742-400-100FB	3-1/2	4	1-3/4	73.75

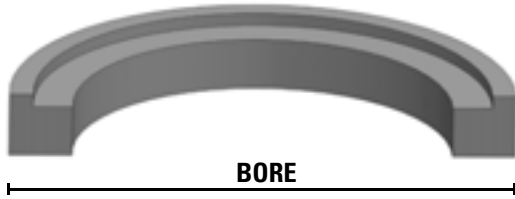
PART NUMBER	I.D.	O.D.	H	LIST PRICE
HDLV-1742-450	4	4-1/2	1	\$ 44.23
HDLV-1742-450-100FB	4	4-1/2	1-3/4	73.75
HDLV-1742-500	4-1/2	5	1	70.26
HDLV-1742-500-100FB	4-1/2	5	1-3/4	103.89
HDLV-1742-550	5	5-1/2	1	77.16
HDLV-1742-550-050FB	5	5-1/2	1-1/4	74.09
HDLV-1742-600	5-1/2	6	1	83.32
HDLV-1742-600-100FB	5-1/2	6	1-3/4	86.66
HDLV-1742-650	6	6-1/2	1	93.56
HDLV-1742-650-050FB	6	6-1/2	1-1/4	88.10
HDLV-1742-650-100FB	6	6-1/2	1-3/4	95.26
HDLV-1742-700	6-1/2	7	1	87.76
HDLV-1742-700-100FB	6-1/2	7	1-3/4	144.27
HDLV-1742-750	7	7-1/2	1	89.46
HDLV-1742-750-100FB	7	7-1/2	1-3/4	149.39
HDLV-1742-800	7-1/2	8	1	103.99
HDLV-1742-800-100FB	7-1/2	8	1-3/4	160.06
HDLV-1742-850	8	8-1/2	1	132.75
HDLV-1742-850-100FB	8	8-1/2	1-3/4	162.20
HDLV-1742-900	8-1/2	9	1	186.43
HDLV-1742-900-100FB	8-1/2	9	1-3/4	199.41
HDLV-275-200-175	2	2-3/4	1-3/4	53.18
HDLV-300-250-082	2-1/2	3	.820	13.23
HDLV-300-250-087	2-1/2	3	7/8	13.31
HDLV-350-300-082	3	3-1/2	.820	14.37
HDLV-375-300-175	3	3-3/4	1-3/4	61.29
HDLV-425-350-087	3-1/2	4-1/4	7/8	55.05
HDLV-425-350-175	3-1/2	4-1/4	1-3/4	64.54
HDLV-450-400-082	4	4-1/2	.820	18.99
HDLV-503-402-152	4.02	5.03	1.527	46.68
HDLV-550-500-082	5	5-1/2	.820	22.36
HDLV-603-503-150	5.03	6.03	1-1/2	47.64
HDLV-703-603-150	6.03	7.03	1-1/2	58.39
HDLV-800-080	7-1/2	8	0.800	105.73

INCH



[SEAL INFORMATION]

HDLG



TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	27,000 PSI
COMPRESSIVE STRENGTH	35,000 PSI
PART NUMBER	(Prefix) - (ID) - (Width)

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	BORE SIZE	LIST PRICE
HDLG-200	2	\$ 19.84
HDLG-250	2-1/2	25.53
HDLG-300	3	22.30
HDLG-350	3-1/2	24.19
HDLG-400	4	30.73
HDLG-450	4-1/2	32.55
HDLG-500	5	34.63
HDLG-550	5-1/2	37.46

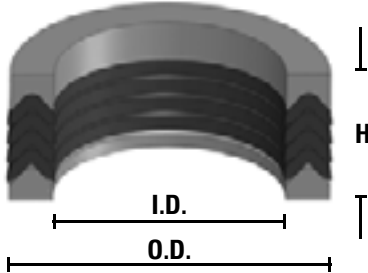
PART NUMBER	BORE SIZE	LIST PRICE
HDLG-600	6	\$ 41.27
HDLG-627	6.265	48.66
HDLG-650	6-1/2	51.40
HDLG-700	7	53.12
HDLG-750	7-1/2	57.86
HDLG-800	8	60.99
HDLG-900	9	88.30

Do you need a custom machined seal right away? Look at page xxxvi of this catalog for options from our **Custom Machined Seals.** We offer a fast 2-3 day delivery and even faster **Expedite Service.**



[SEAL INFORMATION]

VS



STRUCTURE CODE

Example: - 1 2 3 1
 F H V M

F - # of Female/Top Adaptor
 H - # of Hytrel Vee Ring
 V - # of Fabric/Rubber Vee Ring
 M - # of Male/Bottom Adaptor

MATERIAL

FABRIC REINFORCED RUBBER
 HYTREL RING
 NYLON ADAPTORS

TEMPERATURE RANGE

-35° TO +220° F

PRESSURE RANGE

0 TO 10,000 PSI

SPEED

1.5 FT/SEC

PART NUMBER

(Prefix) (C/S) - (ID) - (VEE SET)



Vee packing is used in multiple applications including telescoping truck hoists, pumps, valves and for sealing rods and pistons. These vee sets all incorporate fabric reinforced rubber pressure rings sandwiched between top and bottom 'adaptors' made of either nylon or fabric/rubber which conform to both the shape of the center vee rings and the metal grooves into which they are installed. Some sets also include one or two urethane pressure rings for low pressure sealing where appropriate. Properly installed these vee sets can handle the pressure limits listed.

PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE
VS25-0.37-1011	3/8	7/8	1/2	\$ 18.20
VS18-0.37-1041	3/8	3/4	3/4	15.06
VS18-0.50-1031	1/2	7/8	5/8	8.02
VS25-0.50-1031	1/2	1	3/4	5.53
VS25-0.50-1041	1/2	1	7/8	9.77
VS18-0.62-1041	5/8	1	13/16	10.54
VS25-0.62-1051	5/8	1-1/8	1	12.40
VS31-0.62-1051	5/8	1-1/4	1/4	35.77
VS18-0.75-1031	3/4	1-1/8	3/4	13.45
VS18-0.75-1061	3/4	1-1/8	13/16	17.61
VS25-0.75-1021	3/4	1-1/4	11/16	11.28
VS25-0.75-1051	3/4	1-1/4	1	12.40
VS31-0.75-1041	3/4	1-3/8	1-1/32	11.10
VS37-0.75-1031	3/4	1-1/2	1/8	12.61
VS25-0.81-0041	13/16	1-5/16	0.71	6.13
VS25-0.81-1041	13/16	1-5/16	7/8	13.87
VS18-0.87-1031	7/8	1-1/4	3/4	8.94
VS25-0.75-1031	7/8	1-3/8	3/4	5.97
VS25-0.75-1041	7/8	1-3/8	1	11.04
VS31-0.87-1041	7/8	1-1/2	1/32	13.13
VS18-1.00-1231	1	1-3/8	61/64	11.43
VS18-1.00-1061	1	1-3/8	1	12.61
VS25-1.00-1031	1	1-1/2	3/4	7.95
VS25-1.00-1051	1	1-1/2	1	11.10
VS25-1.00-1061	1	1-1/2	1-1/8	12.74
VS31-1.00-1041	1	1-5/8	1-1/32	13.87
VS37-1.00-1031	1	1-3/4	1	13.04

PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE
VS25-1.12-1041	1-1/8	1-5/8	7/8	\$ 9.74
VS31-1.12-1041	1-1/8	1-3/4	1.031	11.24
VS25-1.18-1041	1-3/16	1-11/16	7/8	10.74
VS25-1.18-1061	1-3/16	1-11/16	1-1/4	32.99
VS25-1.25-1031	1-1/4	1-3/4	3/4	7.88
VS25-1.25-1221	1-1/4	1-3/4	0.82	9.77
VS25-1.25-1051	1-1/4	1-3/4	1	11.32
VS25-1.25-1061	1-1/4	1-3/4	1-1/8	12.92
VS31-1.25-1041	1-1/4	1-7/8	1-1/32	14.36
VS37-1.25-1121	1-1/4	2	1	13.56
VS37-1.25-1021	1-1/4	2-1/4	1	19.29
VS50-1.25-1041	1-1/4	2-1/4	1-1/2	21.27
VS18-1.37-1061	1-3/8	1-3/4	1-1/16	13.88
VS25-1.37-1031	1-3/8	1-7/8	3/4	8.99
VS25-1.37-1231	1-3/8	1-7/8	1	11.16
VS31-1.37-1041	1-3/8	2	1-1/32	14.66
VS37-1.37-1041	1-3/8	2-1/8	1-1/4	31.24
VS18-1.50-1231	1-1/2	1-7/8	0.82	20.30
VS25-1.50-1121	1-1/2	2	3/4	8.29
VS25-1.50-1041	1-1/2	2	0.82	8.25
VS25-1.50-1131	1-1/2	2	7/8	8.94
VS25-1.50-1231	1-1/2	2	1	11.24
VS25-1.50-1241	1-1/2	2	1-1/8	12.92
VS25-1.50-1071	1-1/2	2	1-1/4	14.56
VS31-1.50-1051	1-1/2	2-1/8	1-3/16	15.44
VS37-1.50-1031	1-1/2	2-1/4	1	10.85
VS50-1.50-1121	1-1/2	2-1/2	1-1/4	21.27



V-PACKING SETS

V-PACKING

PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE
VS50-1.50-1221	1-1/2	2-1/2	1-1/2	\$ 25.13
VS25-1.62-1301	1-5/8	2-1/8	1	9.67
VS25-1.62-1051	1-5/8	2-1/8	1	14.35
VS25-1.62-1061	1-5/8	2-1/8	1-1/8	15.44
VS31-1.62-1031	1-5/8	2-1/4	7/8	14.17
VS31-1.62-1041	1-5/8	2-1/4	1-1/32	14.98
VS18-1.75-1231	1-3/4	2-1/8	7/8	30.13
VS25-1.75-1131	1-3/4	2-1/4	0.82	11.76
VS25-1.75-1131	1-3/4	2-1/4	7/8	9.68
VS25-1.75-1051	1-3/4	2-1/4	1	13.72
VS25-1.75-1241	1-3/4	2-1/4	1-1/8	14.19
VS31-1.75-1121	1-3/4	2-3/8	0.894	14.66
VS31-1.75-1221	1-3/4	2-3/8	1.03	15.20
VS31-1.75-1051	1-3/4	2-3/8	1-1/8	17.78
VS31-1.75-1051	1-3/4	2-3/8	1-3/16	18.51
VS37-1.75-1031	1-3/4	2-1/2	1	17.27
VS37-1.75-1061	1-3/4	2-1/2	1-9/16	20.22
VS25-1.87-1061	1-7/8	2-3/8	1-1/8	14.67
VS31-1.87-1041	1-7/8	2-1/2	1-1/32	16.52
VS37-1.87-1041	1-7/8	2-5/8	1-1/8	19.72
VS18-2.00-1221	2	2-3/8	3/4	20.60
VS25-2.00-1111	2	2-1/8	5/8	8.61
VS25-2.00-1041	2	2-1/2	0.82	10.21
VS25-2.00-1221	2	2-1/2	7/8	11.52
VS25-2.00-1231	2	2-1/2	1	13.01
VS25-2.00-1241	2	2-1/2	1-1/8	14.42
VS31-2.00-1031	2	2-5/8	7/8	13.08
VS31-2.00-1041	2	2-5/8	1-1/32	15.67
VS37-2.00-1221	2	2-3/4	1	16.85
VS37-2.00-1221	2	2-3/4	1-3/16	20.23
VS37-2.00-1231	2	2-3/4	1-3/8	23.74
VS50-2.00-1031	2	3	1-5/16	26.12
VS50-2.00-1041	2	3	1-1/2	30.83
VS25-2.12-1041	2-1/8	2-5/8	7/8	13.55
VS31-2.12-1041	2-1/8	2-3/4	1-1/32	17.47
VS37-2.12-1041	2-1/8	2-7/8	1-3/16	54.62
VS37-2.12-1051	2-1/8	2-7/8	1-3/8	96.52
VS25-2.25-1131	2-1/4	2-3/4	0.82	11.63
VS25-2.25-1231	2-1/4	2-3/4	1	15.58
VS31-2.25-1041	2-1/4	2-7/8	1-1/32	17.93
VS31-2.25-1051	2-1/4	2-7/8	1-3/16	20.97
VS37-2.25-1031	2-1/4	3	1	18.42
VS50-2.25-1041	2-1/4	3-1/4	1-1/2	40.29
VS25-2.37-1051	2-3/8	2-7/8	1	16.85
VS31-2.37-1041	2-3/8	3	1-1/32	18.57
VS31-2.37-1051	2-3/8	3	1-3/16	21.72
VS37-2.37-1041	2-3/8	3-1/8	1-1/4	22.12

PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE
VS18-2.50-0040	2-1/2	2-7/8	7/16	\$ 7.33
VS25-2.50-1121	2-1/2	3	3/4	12.67
VS25-2.50-1041	2-1/2	3	0.82	13.11
VS25-2.50-1131	2-1/2	3	7/8	15.25
VS25-2.50-1231	2-1/2	3	1	16.26
VS25-2.50-1241	2-1/2	3	1-1/8	18.52
VS31-2.50-1031	2-1/2	3-1/8	7/8	13.16
VS31-2.50-1231	2-1/2	3-1/8	1-3/16	26.50
VS37-2.50-1121	2-1/2	3-1/4	1	20.85
VS37-2.50-1121	2-1/2	3-1/4	1.02	19.01
VS37-2.50-1231	2-1/2	3-1/4	1-3/8	27.87
VS50-2.50-1031	2-1/2	3-1/2	1-1/4	30.89
VS25-2.62-1221	2-5/8	3-1/8	7/8	27.50
VS25-2.62-1071	2-5/8	3-1/8	1-3/8	31.47
VS31-2.62-1121	2-5/8	3-1/4	3/4	19.77
VS31-2.62-1041	2-5/8	3-1/4	1.11	40.13
VS25-2.75-1041	2-3/4	3-1/4	7/8	15.20
VS25-2.75-1141	2-3/4	3-1/4	1	15.79
VS31-2.75-1221	2-3/4	3-3/8	1-1/32	21.37
VS37-2.75-1031	2-3/4	3-1/2	1	23.35
VS37-2.75-1221	2-3/4	3-1/2	1-3/16	27.96
VS37-2.75-1331	2-3/4	3-1/2	1-1/2	43.68
VS50-2.75-1061	2-3/4	3-3/4	2	60.04
VS25-2.87-1041	2-7/8	3-3/8	1	19.79
VS25-3.00-1021	3	3-1/2	5/8	11.03
VS25-3.00-1041	3	3-1/2	7/8	14.09
VS25-3.00-1131	3	3-1/2	7/8	23.05
VS25-3.00-1231	3	3-1/2	1	15.85
VS25-3.00-1241	3	3-1/2	1-1/8	19.20
VS31-3.00-1121	3	3-5/8	0.894	21.23
VS31-3.00-1041	3	3-5/8	1-1/32	22.37
VS37-3.00-1121	3	3-3/4	1	27.52
VS37-3.00-1221	3	3-3/4	1-3/16	33.02
VS37-3.00-1231	3	3-3/4	1-3/8	34.63
VS50-3.00-1221	3	4	1-1/2	41.59
VS18-3.25-0040	3-1/4	3-5/8	7/16	5.71
VS25-3.25-1041	3-1/4	3-3/4	0.82	15.43
VS25-3.25-1051	3-1/4	3-3/4	1	19.06
VS25-3.25-1231	3-1/4	3-3/4	1-1/4	19.06
VS31-3.25-1041	3-1/4	3-7/8	1	41.95
VS37-3.25-1041	3-1/4	4	1-3/16	32.84
VS37-3.25-1051	3-1/4	4	1-3/8	38.33
VS37-3.25-1061	3-1/4	4	1-9/16	49.19
VS50-3.25-1221	3-1/4	4-1/4	1-1/2	49.50
VS25-3.37-1051	3-3/8	3-7/8	1	21.17
VS25-3.37-1061	3-3/8	3-7/8	1-1/8	23.02
VS31-3.37-1031	3-3/8	4	7/8	19.44



INCH



V-PACKING SETS

V-PACKING

PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE	PART NUMBER	A I.D.	B O.D.	C HT	LIST PRICE
VS31-3.37-1041	3-3/8	4	1-1/32	\$ 23.47	VS25-5.00-1221	5	5-1/2	7/8	\$ 26.45
VS37-3.37-1031	3-3/8	4-1/8	1	29.03	VS25-5.00-1231	5	5-1/2	1	26.87
VS37-3.37-1041	3-3/8	4-1/8	1-3/16	37.22	VS25-5.00-1241	5	5-1/2	1-1/8	31.97
VS25-3.50-1121	3-1/2	4	3/4	14.56	VS37-5.00-1061	5	5-3/4	1-1/2	71.52
VS25-3.50-1041	3-1/2	4	0.82	17.65	VS50-5.00-1121	5	6	1-1/4	56.10
VS25-3.50-1231	3-1/2	4	1	19.53	VS50-5.00-1231	5	6	1-3/4	89.45
VS25-3.50-1361	3-1/2	4	1-1/2	30.18	VS25-5.25-1231	5-1/4	5-3/4	1-1/4	28.63
VS37-3.50-1031	3-1/2	4-1/4	1	25.89	VS37-5.25-1041	5-1/4	6	1-3/16	53.80
VS37-3.50-1221	3-1/2	4-1/4	1-3/16	34.66	VS50-5.25-1031	5-1/4	6-1/4	1.22	55.77
VS37-3.50-1051	3-1/2	4-1/4	1-1/2	48.59	VS43-5.37-1051	5-3/8	6-1/4	1-1/2	94.74
VS50-3.50-1031	3-1/2	4-1/2	1-1/4	38.63	VS25-5.50-1031	5-1/2	6	3/4	17.44
VS25-3.75-1041	3-3/4	4-1/4	0.82	19.40	VS25-5.50-1051	5-1/2	6	1	30.11
VS25-3.75-1231	3-3/4	4-1/4	1	21.24	VS37-5.50-1071	5-1/2	6-1/4	1-3/4	88.01
VS31-3.75-1031	3-3/4	4-3/8	7/8	26.24	VS50-5.50-1031	5-1/2	6-1/2	1-1/4	73.02
VS31-3.75-1221	3-3/4	4-3/8	1-1/16	31.47	VS50-5.50-1051	5-1/2	6-1/2	1-3/4	85.04
VS37-3.75-1121	3-3/4	4-1/2	1	37.23	VS25-5.75-1051	5-3/4	6-1/4	1	33.15
VS37-3.75-1221	3-3/4	4-1/2	1-3/16	37.57	VS25-5.75-1061	5-3/4	6-1/4	1-1/8	35.76
VS37-3.75-1231	3-3/4	4-1/2	1-3/8	43.49	VS37-5.75-1031	5-3/4	6-1/2	1	51.62
VS25-4.00-1231	4	4-1/2	1	23.37	VS37-5.75-1051	5-3/4	6-1/2	1-3/8	71.33
VS25-4.00-1241	4	4-1/2	1-1/8	29.32	VS50-5.75-1051	5-3/4	6-3/4	1-3/4	107.22
VS37-4.00-1221	4	4-3/4	1-3/16	41.99	VS25-6.00-1231	6	6-1/2	1	32.09
VS43-4.00-1031	4	4-7/8	1-1/8	46.79	VS25-6.00-1241	6	6-1/2	1-1/8	37.68
VS43-4.00-1041	4	4-7/8	1-5/16	67.01	VS37-6.00-1121	6	6-3/4	1	72.32
VS43-4.00-1061	4	4-7/8	1-3/4	74.88	VS31-6.25-1231	6-1/4	6-7/8	1-1/4	51.83
VS50-4.00-1121	4	5	1-5/16	43.46	VS37-6.25-1041	6-1/4	7	1-3/16	76.09
VS50-4.00-0320	4	5	1-3/8	47.54	VS25-6.50-1141	6-1/2	7	1	36.63
VS50-4.00-1041	4	5	1-9/16	55.18	VS37-6.50-1051	6-1/2	7-1/4	1-3/8	79.61
VS25-4.25-1051	4-1/4	4-3/4	1	32.59	VS50-6.50-1041	6-1/2	7-1/2	1-1/2	99.17
VS25-4.25-1341	4-1/4	4-3/4	1-1/4	32.59	VS25-6.75-1051	6-3/4	7-1/4	1	117.32
VS37-4.25-1031	4-1/4	5	1	35.18	VS31-6.75-1231	6-3/4	7-3/8	1-1/4	68.98
VS37-4.25-1051	4-1/4	5	1-1/2	61.14	VS37-6.75-1041	6-3/4	7-1/2	1-3/16	82.04
VS37-4.25-1061	4-1/4	5	1-5/8	64.29	VS25-7.00-1231	7	7-1/2	1	39.88
VS43-4.25-1051	4-1/4	5-1/8	1-1/2	62.63	VS25-7.00-1241	7	7-1/2	1-1/8	45.55
VS50-4.25-1041	4-1/4	5-1/4	1-5/8	126.40	VS50-7.00-1031	7	8	1-1/4	101.72
VS25-4.37-1051	4-3/8	4-7/8	1	168.69	VS50-7.00-1331	7	8	2	148.68
VS25-4.50-1041	4-1/2	5	7/8	20.58	VS25-7.50-1231	7-1/2	8	1	53.48
VS25-4.50-1221	4-1/2	5	7/8	23.29	VS37-7.50-0321	7-1/8	8-1/4	1-3/32	111.08
VS25-4.50-1051	4-1/2	5	1	25.27	VS25-8.00-1121	8	8-1/2	3/4	54.10
VS31-4.50-1061	4-1/2	5-1/8	1-3/8	113.47	VS25-8.00-1231	8	8-1/2	1	48.83
VS37-4.50-1121	4-1/2	5-1/4	1	35.40	VS37-8.00-1041	8	8-3/4	1-3/16	223.98
VS37-4.50-1061	4-1/2	5-1/4	1-1/2	58.38	VS50-8.00-1061	8	9	2	182.40
VS50-4.50-1031	4-1/2	5-1/2	1-1/4	47.14	VS25-8.12-1151	8-1/8	8-5/8	1-1/8	59.35
VS25-4.75-1041	4-3/4	5-1/4	7/8	22.90	VS25-8.50-1231	8-1/2	9	1	146.84
VS25-4.75-1051	4-3/4	5-1/4	1	26.53	VS50-8.50-1051	8-1/2	9-1/2	1-7/8	261.33
VS37-4.75-1221	4-3/4	5-1/2	1-3/16	50.86	VS31-8.75-1231	8-3/4	9-3/8	1-1/4	155.64
VS37-4.75-1051	4-3/4	5-1/2	1-3/8	59.36	VS25-9.00-1071	9	9-1/2	1-1/4	161.69
VS37-4.75-0070	4-3/4	5-1/2	1-3/4	38.93	VS50-9.00-1051	9	10	1-7/8	269.51

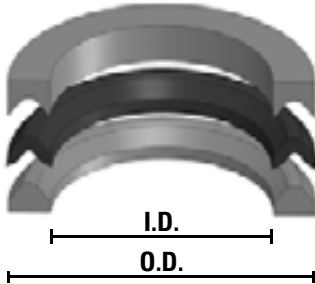


INCH



[SEAL INFORMATION]

V



RING TYPES

F = Top adaptor- Nylon
 M = Bottom adaptor- Nylon
 V = Rubber/Fabric V-Ring
 VU = Urethane V-Ring
 VH = Rubber V-Ring.
 (For More Rubber V-Rings (see page 92)
 VHY = Hytrel V-Ring
 FF = Female Fabric Rubber
 FM = Male Fabric Rubber

MATERIAL

NYLON, NEO-FAB, URETHANE

TEMPERATURE RANGE

-35° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) (CS) (ID) (Type of Ring)

Typical part number:

V25-2.50VU

V-RING STACK HEIGHTS WITH TOP & BOTTOM ADAPTORS

# OF VEES	V-RING CROSS SECTIONS								
	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
1	.430	.500	.562	.625	.690	.750	.812	.875	1.00
2	.540	.625	.719	.812	.908	1.000	1.093	1.187	1.375
3	.650	.750	.875	1.000	1.125	1.250	1.375	1.500	1.750
4	.760	.875	1.031	1.187	1.344	1.500	1.656	1.812	2.125
5	.870	1.000	1.187	1.375	1.562	1.750	1.937	2.125	2.500

Our large inventory of individual V-Rings and adaptors allows customers to assemble packing sets that meet specific requirements. V-Rings are available in fabric/rubber, PTFE (see next section), homogenous Buna-N, and urethane. Adaptors are made from either nylon or fabric/rubber.

PART NUMBER	I.D.	O.D.	LIST PRICE
V18-0.37F	3/8	3/4	\$ 1.88
V18-0.37V	3/8	3/4	1.88
V18-0.37M	3/8	3/4	1.88
V25-0.37F	3/8	7/8	1.37
V25-0.37V	3/8	7/8	1.37
V25-0.37M	3/8	7/8	1.37
V18-0.43F	7/16	13/16	3.75
V18-0.43V	7/16	13/16	2.55
V18-0.43M	7/16	13/16	3.75
V18-0.50F	1/2	7/8	1.30
V18-0.50V	1/2	7/8	1.30
V18-0.50VH	1/2	7/8	1.96
V18-0.50M	1/2	7/8	1.30
V25-0.50F	1/2	1	1.44
V25-0.50V	1/2	1	1.44
V25-0.50VH	1/2	1	2.51
V25-0.50M	1/2	1	1.44
V18-0.62F	5/8	1	1.30
V18-0.62V	5/8	1	1.30
V18-0.62M	5/8	1	1.30
V25-0.62F	5/8	1-1/8	1.37

PART NUMBER	I.D.	O.D.	LIST PRICE
V25-0.62V	5/8	1-1/8	\$ 1.37
V25-0.62VH	5/8	1-1/8	3.74
V25-0.62M	5/8	1-1/8	1.37
V18-0.75F	3/4	1-1/8	2.60
V18-0.75V	3/4	1-1/8	1.94
V18-0.75M	3/4	1-1/8	2.60
V25-0.75F	3/4	1-1/4	1.37
V25-0.75V	3/4	1-1/4	1.37
V25-0.75M	3/4	1-1/4	1.37
V31-0.75F	3/4	1-3/8	1.56
V31-0.75V	3/4	1-3/8	1.56
V31-0.75M	3/4	1-3/8	1.56
V37-0.75F	3/4	1-1/2	2.73
V37-0.75V	3/4	1-1/2	2.73
V37-0.75M	3/4	1-1/2	2.73
V18-0.87F	7/8	1-1/4	1.38
V18-0.87V	7/8	1-1/4	1.38
V18-0.87M	7/8	1-1/4	1.38
V25-0.87F	7/8	1-3/8	1.91
V25-0.87FF	7/8	1-3/8	1.91
V25-0.87V	7/8	1-3/8	1.91



V-PACKING

PART NUMBER	I.D.	O.D.	LIST PRICE
V25-0.87M	7/8	1-3/8	\$ 1.91
V25-0.87FM	7/8	1-3/8	1.91
V31-0.87F	7/8	1-1/2	2.57
V31-0.87V	7/8	1-1/2	2.57
V31-0.87M	7/8	1-1/2	2.57
V18-1.00F	1	1-3/8	1.34
V18-1.00V	1	1-3/8	1.34
V18-1.00M	1	1-3/8	1.34
V25-1.00F	1	1-1/2	1.44
V25-1.00V	1	1-1/2	1.44
V25-1.00M	1	1-1/2	1.44
V31-1.00F	1	1-5/8	3.03
V31-1.00V	1	1-5/8	3.03
V31-1.00VH	1	1-5/8	5.38
V31-1.00M	1	1-5/8	3.03
V37-1.00F	1	1-3/4	2.78
V37-1.00V	1	1-3/4	2.78
V37-1.00M	1	13/4	2.78
V18-1.12F	1-1/8	1-1/2	2.28
V18-1.12V	1-1/8	1-1/2	2.28
V18-1.12M	1-1/8	1-1/2	2.28
V25-1.12F	1-1/8	1-5/8	1.48
V25-1.12V	1-1/8	1-5/8	1.48
V25-1.12M	1-1/8	1-5/8	1.48
V31-1.12F	1-1/8	1-3/4	3.92
V31-1.12V	1-1/8	1-3/4	2.81
V31-1.12VH	1-1/8	1-3/4	3.92
V31-1.12M	1-1/8	1-3/4	3.92
V37-1.12F	1-1/8	1-7/8	2.24
V37-1.12V	1-1/8	1-7/8	2.24
V37-1.12M	1-1/8	1-7/8	2.24
V18-1.25F	1-1/4	1-5/8	1.46
V18-1.25V	1-1/4	1-5/8	1.46
V18-1.25M	1-1/4	1-5/8	1.46
V25-1.25F	1-1/4	1-3/4	1.48
V25-1.25V	1-1/4	1-3/4	1.48
V25-1.25VU	1-1/4	1-3/4	1.48
V25-1.25M	1-1/4	1-3/4	1.48
V31-1.25FF	1-1/4	1-7/8	2.36
V31-1.25V	1-1/4	1-7/8	2.36
V31-1.25FM	1-1/4	1-7/8	2.36
V37-1.25F	1-1/4	2	3.97
V37-1.25V	1-1/4	2	3.97
V37-1.25VU	1-1/4	2	3.97
V37-1.25M	1-1/4	2	2.30
V50-1.25F	1-1/4	2-1/4	3.97
V50-1.25V	1-1/4	2-1/4	3.97

PART NUMBER	I.D.	O.D.	LIST PRICE
V50-1.25M	1-1/4	2-1/4	\$ 3.97
V18-1.37F	1-3/8	1-3/4	2.64
V18-1.37V	1-3/8	1-3/4	2.64
V18-1.37M	1-3/8	1-3/4	2.64
V25-1.37F	1-3/8	1-7/8	1.86
V25-1.37V	1-3/8	1-7/8	1.86
V25-1.37VU	1-3/8	1-7/8	2.43
V25-1.37M	1-3/8	1-7/8	1.86
V31-1.37F	1-3/8	2	2.03
V31-1.37V	1-3/8	2	2.03
V31-1.37M	1-3/8	2	2.03
V37-1.37F	1-3/8	2-1/8	3.50
V37-1.37V	1-3/8	2-1/8	3.50
V37-1.37M	1-3/8	2-1/8	3.50
V43-1.37F	1-3/8	2-1/4	4.75
V43-1.37V	1-3/8	2-1/4	4.75
V43-1.37M	1-3/8	2-1/4	4.75
V25-1.43F	1-7/16	1-15/16	2.22
V25-1.43V	1-7/16	1-15/16	2.22
V25-1.43M	1-7/16	1-15/16	2.22
V18-1.50F	1-1/2	1-7/8	1.84
V18-1.50V	1-1/2	1-7/8	1.84
V18-1.50M	1-1/2	1-7/8	1.84
V25-1.50F	1-1/2	2	1.54
V25-1.50V	1-1/2	2	1.54
V25-1.50VH	1-1/2	2	1.54
V25-1.50VU	1-1/2	2	1.54
V25-1.50M	1-1/2	2	1.54
V31-1.50F	1-1/2	2-1/8	2.65
V31-1.50V	1-1/2	2-1/8	2.65
V31-1.50M	1-1/2	2-1/8	2.65
V37-1.50FF	1-1/2	2-1/4	3.07
V37-1.50V	1-1/2	2-1/4	3.07
V37-1.50VH	1-1/2	2-1/4	3.07
V37-1.50FM	1-1/2	2-1/4	3.07
V50-1.50F	1-1/2	2-1/2	3.73
V50-1.50V	1-1/2	2-1/2	3.73
V50-1.50VHY	1-1/2	2-1/2	3.73
V50-1.50M	1-1/2	2-1/2	3.73
V25-1.62F	1-5/8	2-1/8	1.64
V25-1.62V	1-5/8	2-1/8	1.64
V25-1.62VU	1-5/8	2-1/8	1.64
V25-1.62M	1-5/8	2-1/8	1.64
V31-1.62FF	1-5/8	2-1/4	2.74
V31-1.62V	1-5/8	2-1/4	2.74
V31-1.62FM	1-5/8	2-1/4	2.74
V18-1.75F	1-3/4	2-1/8	2.64



INCH



INDIVIDUAL V-RINGS & ADAPTORS

95

V-PACKING

PART NUMBER	I.D.	O.D.	LIST PRICE
V18-1.75V	1-3/4	2-1/8	\$ 2.64
V18-1.75M	1-3/4	2-1/8	2.64
V25-1.75F	1-3/4	2-1/4	1.68
V25-1.75V	1-3/4	2-1/4	1.68
V25-1.75VH	1-3/4	2-1/4	3.70
V25-1.75VU	1-3/4	2-1/4	1.68
V25-1.75M	1-3/4	2-1/4	1.68
V31-1.75F	1-3/4	2-3/8	2.23
V31-1.75V	1-3/4	2-3/8	2.23
V31-1.75VH	1-3/4	2-3/8	4.33
V31-1.75VU	1-3/4	2-3/8	2.23
V31-1.75M	1-3/4	2-3/8	2.23
V37-1.75F	1-3/4	2-1/2	2.49
V37-1.75V	1-3/4	2-1/2	2.49
V37-1.75M	1-3/4	2-1/2	2.49
V50-1.75F	1-3/4	2-3/4	5.75
V50-1.75V	1-3/4	2-3/4	5.75
V50-1.75M	1-3/4	2-3/4	5.75
V25-1.87F	1-7/8	2-3/8	1.73
V25-1.87V	1-7/8	2-3/8	1.73
V25-1.87M	1-7/8	2-3/8	1.73
V31-1.87F	1-7/8	2-1/2	2.43
V31-1.87V	1-7/8	2-1/2	2.43
V31-1.87M	1-7/8	2-1/2	2.43
V18-2.00F	2	2-3/8	2.55
V18-2.00V	2	2-3/8	2.55
V18-2.00M	2	2-3/8	2.55
V25-2.00F	2	2-1/2	2.22
V25-2.00V	2	2-1/2	2.22
V25-2.00VH	2	2-1/2	3.82
V25-2.00VHY	2	2-1/2	2.22
V25-2.00VU	2	2-1/2	2.22
V25-2.00M	2	2-1/2	2.22
V31-2.00F	2	2-5/8	2.36
V31-2.00V	2	2-5/8	2.36
V31-2.00VH	2	2-5/8	4.94
V31-2.00M	2	2-5/8	2.36
V37-2.00F	2	2-3/4	2.84
V37-2.00V	2	2-3/4	3.02
V37-2.00VH	2	2-3/4	6.72
V37-2.00M	2	2-3/4	3.02
V50-2.00F	2	3	4.83
V50-2.00V	2	3	4.83
V50-2.00VU	2	3	4.83
V50-2.00M	2	3	4.83
V50-2.12F	2-1/8	3-1/8	5.50

PART NUMBER	I.D.	O.D.	LIST PRICE
V50-2.12V	2-1/8	3-1/8	\$ 5.50
V50-2.12M	2-1/8	3-1/8	5.50
V25-2.25F	2-1/4	2-3/4	2.07
V25-2.25V	2-1/4	2-3/4	2.07
V25-2.25VU	2-1/4	2-3/4	2.71
V25-2.25M	2-1/4	2-3/4	2.07
V31-2.25F	2-1/4	2-7/8	4.46
V31-2.25V	2-1/4	2-7/8	4.46
V31-2.25M	2-1/4	2-7/8	4.46
V37-2.25F	2-1/4	3	3.31
V37-2.25V	2-1/4	3	3.31
V37-2.25VH	2-1/4	3	3.31
V37-2.25M	2-1/4	3	3.31
V50-2.25F	2-1/4	3-1/4	6.43
V50-2.25V	2-1/4	3-1/4	6.43
V50-2.25M	2-1/4	3-1/4	6.43
V31-2.37F	2-3/8	3	3.36
V31-2.37V	2-3/8	3	3.36
V31-2.37M	2-3/8	3	3.36
V37-2.37F	2-3/8	3-1/8	4.44
V37-2.37V	2-3/8	3-1/8	4.44
V37-2.37M	2-3/8	3-1/8	4.44
V18-2.50F	2-1/2	2-7/8	4.25
V18-2.50V	2-1/2	2-7/8	4.25
V18-2.50M	2-1/2	2-7/8	4.25
V25-2.50F	2-1/2	3	2.02
V25-2.50V	2-1/2	3	2.02
V25-2.50VH	2-1/2	3	11.91
V25-2.50VU	2-1/2	3	2.02
V25-2.50M	2-1/2	3	2.02
V31-2.50F	2-1/2	3-1/8	2.98
V31-2.50V	2-1/2	3-1/8	2.98
V31-2.50VU	2-1/2	3-1/8	3.87
V31-2.50M	2-1/2	3-1/8	2.98
V37-2.50F	2-1/2	3-1/4	3.77
V37-2.50V	2-1/2	3-1/4	3.77
V37-2.50VU	2-1/2	3-1/4	5.34
V37-2.50M	2-1/2	3-1/4	3.77
V50-2.50FF	2-1/2	3-1/2	5.66
V50-2.50V	2-1/2	3-1/2	5.66
V50-2.50M	2-1/2	3-1/2	5.66
V25-2.62F	2-5/8	3-1/8	5.08
V25-2.62V	2-5/8	3-1/8	5.08
V25-2.62M	2-5/8	3-1/8	5.08
V31-2.62F	2-5/8	3-1/4	3.43
V31-2.62V	2-5/8	3-1/4	3.43



INCH

INDIVIDUAL V-RINGS & ADAPTORS

V-PACKING

PART NUMBER	I.D.	O.D.	LIST PRICE
V31-2.62M	2-5/8	3-1/4	\$ 3.43
V25-2.75F	2-3/4	3-1/4	1.97
V25-2.75V	2-3/4	3-1/4	1.97
V25-2.75VU	2-3/4	3-1/4	1.97
V25-2.75M	2-3/4	3-1/4	1.97
V31-2.75F	2-3/4	3-3/8	3.08
V31-2.75V	2-3/4	3-3/8	3.08
V31-2.75M	2-3/4	3-3/8	3.08
V37-2.75F	2-3/4	3-1/2	4.19
V37-2.75V	2-3/4	3-1/2	4.19
V37-2.75M	2-3/4	3-1/2	4.19
V50-2.75F	2-3/4	3-3/4	7.49
V50-2.75V	2-3/4	3-3/4	7.49
V50-2.75M	2-3/4	3-3/4	7.49
V25-2.87F	2-7/8	3-3/8	2.00
V25-2.87V	2-7/8	3-3/8	2.00
V25-2.87M	2-7/8	3-3/8	2.00
V31-2.87F	2-7/8	3-1/2	3.11
V31-2.87V	2-7/8	3-1/2	3.11
V31-2.87M	2-7/8	3-1/2	3.11
V25-3.00F	3	3-1/2	2.07
V25-3.00V	3	3-1/2	2.07
V25-3.00VH	3	3-1/2	4.73
V25-3.00VHY	3	3-1/2	2.07
V25-3.00VU	3	3-1/2	2.07
V25-3.00M	3	3-1/2	2.07
V31-3.00FF	3	3-5/8	4.44
V31-3.00V	3	3-5/8	4.44
V31-3.00VH	3	3-5/8	6.83
V31-3.00FM	3	3-5/8	4.44
V37-3.00F	3	3-3/4	4.66
V37-3.00VU	3	3-3/4	7.22
V37-3.00V	3	3-3/4	4.66
V37-3.00M	3	3-3/4	4.66
V50-3.00F	3	4	7.22
V50-3.00V	3	4	7.22
V50-3.00M	3	4	7.22
V18-3.12FM	3-1/8	3-1/2	4.27
V18-3.12V	3-1/8	3-1/2	4.27
V18-3.12FF	3-1/8	3-1/2	4.27
V37-3.12F	3-1/8	3-7/8	6.44
V37-3.12V	3-1/8	3-7/8	4.50
V37-3.12M	3-1/8	3-7/8	6.44
V43-3.12F	3-1/8	4	9.03
V43-3.12V	3-1/8	4	9.03
V43-3.12M	3-1/8	4	9.03

PART NUMBER	I.D.	O.D.	LIST PRICE
V18-3.25F	3-1/4	3-5/8	\$ 2.22
V18-3.25V	3-1/4	3-5/8	2.22
V18-3.25M	3-1/4	3-5/8	2.22
V25-3.25F	3-1/4	3-3/4	2.35
V25-3.25V	3-1/4	3-3/4	2.35
V25-3.25M	3-1/4	3-3/4	2.35
V31-3.25F	3-1/4	3-7/8	5.13
V31-3.25V	3-1/4	3-7/8	5.13
V31-3.25M	3-1/4	3-7/8	5.13
V37-3.25F	3-1/4	4	4.91
V37-3.25V	3-1/4	4	4.91
V37-3.25M	3-1/4	4	4.91
V31-3.37FF	3-3/8	4	3.37
V31-3.37V	3-3/8	4	3.37
V31-3.37FM	3-3/8	4	3.37
V37-3.37F	3-3/8	4-1/8	6.64
V37-3.37V	3-3/8	4-1/8	6.64
V37-3.37M	3-3/8	4-1/8	4.03
V25-3.45F	3.45	4	26.52
V25-3.45V	3.45	4	26.52
V25-3.45M	3.45	4	26.52
V25-3.50F	3-1/2	4	2.45
V25-3.50V	3-1/2	4	2.45
V25-3.50VH	3-1/2	4	5.04
V25-3.50VU	3-1/2	4	2.45
V25-3.50M	3-1/2	4	2.45
V31-3.50F	3-1/2	4-1/8	5.01
V31-3.50V	3-1/2	4-1/8	5.01
V31-3.50M	3-1/2	4-1/8	5.01
V37-3.50F	3-1/2	4-1/4	5.29
V37-3.50V	3-1/2	4-1/4	5.29
V37-3.50VU	3-1/2	4-1/4	6.09
V37-3.50M	3-1/2	4-1/4	5.29
V50-3.50F	3-1/2	4-1/2	7.70
V50-3.50V	3-1/2	4-1/2	7.70
V50-3.50M	3-1/2	4-1/2	7.70
V25-3.75F	3-3/4	4-1/4	2.68
V25-3.75V	3-3/4	4-1/4	2.68
V25-3.75M	3-3/4	4-1/4	2.68
V31-3.75F	3-3/4	4-3/8	5.47
V31-3.75V	3-3/4	4-3/8	5.47
V31-3.75M	3-3/4	4-3/8	5.47
V37-3.75F	3-3/4	4-1/2	5.64
V37-3.75V	3-3/4	4-1/2	5.64
V37-3.75VU	3-3/4	4-1/2	7.35
V37-3.75M	3-3/4	4-1/2	6.64


INCH

INDIVIDUAL V-RINGS & ADAPTORS

V-PACKING

PART NUMBER	I.D.	O.D.	LIST PRICE
V50-3.75F	3-3/4	4-3/4	\$ 10.67
V50-3.75V	3-3/4	4-3/4	10.67
V50-3.75M	3-3/4	4-3/4	10.67
V25-4.00F	4	4-1/2	3.35
V25-4.00V	4	4-1/2	3.35
V25-4.00VH	4	4-1/2	17.38
V25-4.00VHY	4	4-1/2	3.35
V25-4.00VU	4	4-1/2	3.35
V25-4.00M	4	4-1/2	3.35
V31-4.00F	4	4-5/8	4.78
V31-4.00V	4	4-5/8	4.78
V31-4.00M	4	4-5/8	4.78
V37-4.00F	4	4-3/4	6.17
V37-4.00V	4	4-3/4	6.17
V37-4.00VH	4	4-3/4	10.12
V37-4.00VU	4	4-3/4	12.65
V37-4.00M	4	4-3/4	6.17
V43-4.00FF	4	4-7/8	8.82
V43-4.00V	4	4-7/8	8.82
V43-4.00FM	4	4-7/8	8.82
V50-4.00F	4	5	8.44
V50-4.00V	4	5	8.44
V50-4.00VU	4	5	8.44
V50-4.00M	4	5	8.44
V25-4.25F	4-1/4	4-3/4	3.98
V25-4.25V	4-1/4	4-3/4	3.98
V25-4.25M	4-1/4	4-3/4	3.98
V31-4.25F	4-1/4	4-7/8	5.53
V31-4.25V	4-1/4	4-7/8	5.53
V31-4.25M	4-1/4	4-7/8	5.53
V37-4.25F	4-1/4	5	6.51
V37-4.25V	4-1/4	5	6.51
V37-4.25VU	4-1/4	5	6.51
V37-4.25M	4-1/4	5	6.51
V43-4.25F	4-1/4	5-1/8	12.00
V43-4.25V	4-1/4	5-1/8	12.00
V43-4.25M	4-1/4	5-1/8	12.00
V50-4.25FF	4-1/4	5-1/4	15.88
V50-4.25V	4-1/4	5-1/4	11.50
V50-4.25FM	4-1/4	5-1/4	15.88
V31-4.37F	4-3/8	5	7.59
V31-4.37V	4-3/8	5	7.59
V31-4.37M	4-3/8	5	7.59
V25-4.50F	4-1/2	5	3.10
V25-4.50V	4-1/2	5	3.10
V25-4.50M	4-1/2	5	3.10

PART NUMBER	I.D.	O.D.	LIST PRICE
V31-4.50F	4-1/2	5-1/8	\$ 5.89
V31-4.50V	4-1/2	5-1/8	5.89
V31-4.50M	4-1/2	5-1/8	5.89
V37-4.50F	4-1/2	5-1/4	8.64
V37-4.50V	4-1/2	5-1/4	8.64
V37-4.50M	4-1/2	5-1/4	8.64
V43-4.50F	4-1/2	5-3/8	8.81
V43-4.50V	4-1/2	5-3/8	8.81
V43-4.50M	4-1/2	5-3/8	8.81
V50-4.50F	4-1/2	5-1/2	9.61
V50-4.50V	4-1/2	5-1/2	9.61
V50-4.50M	4-1/2	5-1/2	9.61
V25-4.75F	4-3/4	5-1/4	4.40
V25-4.75V	4-3/4	5-1/4	4.40
V25-4.75M	4-3/4	5-1/4	4.40
V31-4.75F	4-3/4	5-3/8	5.66
V31-4.75V	4-3/4	5-3/8	5.66
V31-4.75M	4-3/4	5-3/8	5.66
V37-4.75F	4-3/4	5-1/2	9.51
V37-4.75V	4-3/4	5-1/2	9.52
V37-4.75M	4-3/4	5-1/2	9.52
V50-4.75F	4-3/4	5-3/4	11.85
V50-4.75V	4-3/4	5-3/4	11.85
V50-4.75M	4-3/4	5-3/4	11.85
V25-5.00F	5	5-1/2	3.87
V25-5.00V	5	5-1/2	3.87
V25-5.00VH	5	5-1/2	3.87
V25-5.00VHY	5	5-1/2	3.29
V25-5.00VU	5	5-1/2	3.87
V25-5.00M	5	5-1/2	3.87
V31-5.00F	5	5-5/8	6.36
V31-5.00V	5	5-5/8	6.36
V31-5.00M	5	5-5/8	6.36
V37-5.00F	5	5-3/4	8.70
V37-5.00V	5	5-3/4	8.70
V37-5.00M	5	5-3/4	8.70
V43-5.00F	5	5-7/8	10.14
V43-5.00V	5	5-7/8	10.14
V43-5.00M	5	5-7/8	10.14
V50-5.00F	5	6	10.88
V50-5.00V	5	6	10.88
V50-5.00VU	5	6	13.57
V50-5.00M	5	6	10.88
V43-5.12F	5-1/8	6	15.28
V43-5.12V	5-1/8	6	15.28
V43-5.12M	5-1/8	6	15.28



INCH



INDIVIDUAL V-RINGS & ADAPTORS

V-PACKING

PART NUMBER	I.D.	O.D.	LIST PRICE
V25-5.25F	5-1/4	5-3/4	\$ 3.59
V25-5.25V	5-1/4	5-3/4	3.59
V25-5.25VU	5-1/4	5-3/4	3.59
V25-5.25M	5-1/4	5-3/4	3.59
V37-5.25F	5-1/4	6	8.35
V37-5.25V	5-1/4	6	8.35
V37-5.25M	5-1/4	6	8.35
V43-5.25F	5-1/4	6-1/8	12.76
V43-5.25V	5-1/4	6-1/8	12.76
V43-5.25M	5-1/4	6-1/8	12.76
V50-5.25F	5-1/4	6-1/4	13.31
V50-5.25V	5-1/4	6-1/4	13.31
V50-5.25M	5-1/4	6-1/4	13.31
V25-5.50F	5-1/2	6	4.40
V25-5.50V	5-1/2	6	4.40
V25-5.50VU	5-1/2	6	4.61
V25-5.50M	5-1/2	6	4.40
V37-5.50F	5-1/2	6-1/4	11.06
V37-5.50V	5-1/2	6-1/4	11.06
V37-5.50M	5-1/2	6-1/4	11.06
V43-5.50F	5-1/2	6-3/8	13.87
V43-5.50V	5-1/2	6-3/8	13.87
V43-5.50M	5-1/2	6-3/8	13.87
V50-5.50FF	5-1/2	6-1/2	11.96
V50-5.50V	5-1/2	6-1/2	11.96
V50-5.50FM	5-1/2	6-1/2	11.96
V25-5.75F	5-3/4	6-1/4	5.48
V25-5.75V	5-3/4	6-1/4	5.48
V25-5.75M	5-3/4	6-1/4	5.48
V31-5.75F	5-3/4	6-3/8	6.75
V31-5.75V	5-3/4	6-3/8	6.75
V31-5.75M	5-3/4	6-3/8	6.75
V37-5.75F	5-3/4	6-1/2	11.25
V37-5.75V	5-3/4	6-1/2	11.25
V37-5.75M	5-3/4	6-1/2	11.25
V50-5.75F	5-3/4	6-3/4	13.18
V50-5.75V	5-3/4	6-3/4	13.18
V50-5.75M	5-3/4	6-3/4	13.18
V25-6.00F	6	6-1/2	4.66
V25-6.00V	6	6-1/2	4.66
V25-6.00VH	6	6-1/2	10.42
V25-6.00VHY	6	6-1/2	13.02
V25-6.00VU	6	6-1/2	4.66
V25-6.00M	6	6-1/2	4.66
V31-6.00F	6	6-5/8	6.85
V31-6.00V	6	6-5/8	6.85

PART NUMBER	I.D.	O.D.	LIST PRICE
V31-6.00M	6	6-5/8	\$ 6.85
V37-6.00F	6	6-3/4	10.71
V37-6.00V	6	6-3/4	10.71
V37-6.00M	6	6-3/4	10.71
V50-6.00F	6	7	13.95
V50-6.00V	6	7	13.95
V50-6.00M	6	7	13.95
V37-6.25F	6-1/4	7	12.46
V37-6.25V	6-1/4	7	12.46
V37-6.25M	6-1/4	7	12.46
V25-6.50F	6-1/2	7	7.57
V25-6.50V	6-1/2	7	7.57
V25-6.50M	6-1/2	7	7.57
V37-6.50F	6-1/2	7-1/4	14.74
V37-6.50FF	6-1/2	7-1/4	14.74
V37-6.50V	6-1/2	7-1/4	14.74
V37-6.50FM	6-1/2	7-1/4	14.74
V37-6.50M	6-1/2	7-1/4	14.74
V50-6.50F	6-1/2	7-1/2	17.08
V50-6.50V	6-1/2	7-1/2	17.08
V50-6.50M	6-1/2	7-1/2	17.08
V25-6.75F	6-3/4	7-1/4	8.57
V25-6.75V	6-3/4	7-1/4	8.57
V25-6.75M	6-3/4	7-1/4	8.57
V31-6.75F	6-3/4	7-3/8	10.35
V31-6.75V	6-3/4	7-3/8	10.35
V31-6.75M	6-3/4	7-3/8	10.35
V37-6.75F	6-3/4	7-1/2	14.57
V37-6.75V	6-3/4	7-1/2	14.04
V37-6.75M	6-3/4	7-1/2	14.04
V25-7.00F	7	7-1/2	16.76
V25-7.00V	7	7-1/2	8.79
V25-7.00VHY	7	7-1/2	8.79
V25-7.00VU	7	7-1/2	8.79
V25-7.00M	7	7-1/2	8.79
V37-7.00F	7	7-3/4	16.76
V37-7.00V	7	7-3/4	16.76
V37-7.00M	7	7-3/4	16.76
V50-7.00F	7	8	20.30
V50-7.00V	7	8	20.30
V50-7.00M	7	8	20.30
V37-7.25F	7-1/4	8	21.49
V37-7.25V	7-1/4	8	21.49
V37-7.25M	7-1/4	8	21.49
V25-7.50F	7-1/2	8	9.91
V25-7.50V	7-1/2	8	9.91

INCH


INDIVIDUAL V-RINGS & ADAPTORS

PART NUMBER	I.D.	O.D.	LIST PRICE
V25-7.50M	7-1/2	8	\$ 9.91
V37-7.50F	7-1/2	8-1/4	20.84
V37-7.50V	7-1/2	8-1/4	20.84
V37-7.50VU	7-1/2	8-1/4	20.84
V37-7.50M	7-1/2	8-1/4	20.84
V50-7.50FF	7-1/2	8-1/2	23.82
V50-7.50V	7-1/2	8-1/2	23.82
V50-7.50FM	7-1/2	8-1/2	23.82
V31-7.90F	7.905	8.543	12.83
V31-7.90V	7.905	8.543	12.83
V31-7.90M	7.905	8.543	12.83
V25-8.00F	8	8-1/2	10.64
V25-8.00V	8	8-1/2	10.64
V25-8.00VHY	8	8-1/2	10.64
V25-8.00M	8	8-1/2	10.64
V50-8.00F	8	9	24.17
V50-8.00V	8	9	24.17

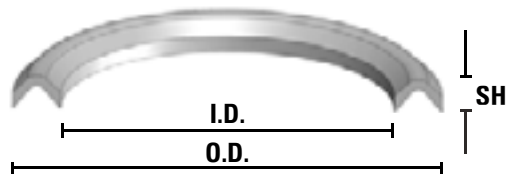
PART NUMBER	I.D.	O.D.	LIST PRICE
V50-8.00M	8	9	\$ 24.17
V25-8.50F	8-1/2	9	12.33
V25-8.50V	8-1/2	9	12.33
V25-8.50M	8-1/2	9	12.33
V37-8.50FF	8-1/2	9-1/4	15.78
V37-8.50V	8-1/2	9-1/4	15.78
V37-8.50FM	8-1/2	9-1/4	15.78
V50-8.50F	8-1/2	9-1/2	24.84
V50-8.50V	8-1/2	9-1/2	24.84
V50-8.50M	8-1/2	9-1/2	24.84
V25-9.00F	9	9-1/2	13.86
V25-9.00V	9	9-1/2	13.86
V25-9.00M	9	9-1/2	13.86
V50-10.00FF	10	11	35.23
V50-10.00V	10	11	35.23
V50-10.00FM	10	11	35.23

Looking for braided pump packing? We stock both graphite and PTFE. See pages 240-241 for the specifications you need.



[SEAL INFORMATION]

6225-T



"AN" Style V-Packing

MATERIAL

PTFE

TEMPERATURE RANGE

-100° TO +400° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (Size)

PART NUMBER	I.D.	O.D.	S.H.	LIST PRICE
6225-187-00.250T	1/4	5/8	.083	\$ 4.96
6225-187-00.375T	3/8	3/4	.083	6.87
6225-187-00.625T	5/8	1	.083	7.66
6225-250-00.750T	3/4	1-1/4	.083	6.43
6225-250-01.000T	1	1-1/2	.083	6.58
6225-250-01.250T	1-1/4	1-3/4	.083	6.93
6225-250-01.750T	1-3/4	2-1/4	.083	8.09
6225-250-02.625T	2-5/8	3-1/8	.083	12.18
6225-312-01.375T	1-3/8	2	.140	7.29
6225-312-01.500T	1-1/2	2-1/8	.140	7.55
6225-312-01.750T	1-3/4	2-3/8	.140	8.30
6225-312-02.000T	2	2-5/8	.140	9.58
6225-312-02.125T	2-1/8	2-3/4	.140	9.94
6225-312-02.250T	2-1/4	2-7/8	.140	10.20

PART NUMBER	I.D.	O.D.	S.H.	LIST PRICE
6225-312-02.500T	2-1/2	3-1/8	.140	\$ 12.04
6225-312-02.625T	2-5/8	3-1/4	.140	9.80
6225-312-05.750T	5-3/4	6-3/8	.140	10.14
6225-375-02.000T	2	2-3/4	.140	13.81
6225-375-02.500T	2-1/2	3-1/4	.156	10.86
6225-375-02.750T	2-3/4	3-1/2	.156	14.50
6225-375-03.000T	3	3-3/4	.156	14.97
6225-375-03.125T	3-1/8	3-7/8	.156	17.43
6225-375-03.250T	3-1/4	4	.156	19.60
6225-375-03.500T	3-1/2	4-1/4	.156	24.98
6225-375-03.750T	3-3/4	4-1/2	.156	31.09
6225-437-03.875T	3-7/8	4-3/4	.156	24.95
6225-437-04.250T	4-1/4	5-1/8	.197	12.26
6225-437-04.500T	4-1/2	5-3/8	.197	28.39

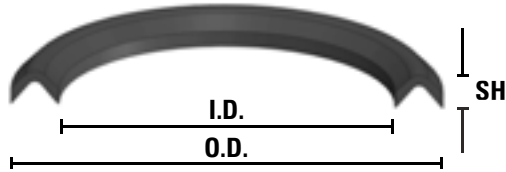
HOMOGENEOUS RUBBER V-RINGS

101

V-PACKING

[SEAL INFORMATION]

6225-N



"AN" Style V-Packing

MATERIAL	70 DURO BUNA-N
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 1,250 PSI
PART NUMBER	(Prefix) - (Size)

PART NUMBER	I.D.	O.D.	S.H.	LIST PRICE
6225-187-00.375N	3/8	3/4	.083	\$ 1.76
6225-187-00.500N	1/2	7/8	.083	1.88
6225-250-00.500N	1/2	1	.083	2.31
6225-250-00.625N	5/8	1-1/8	.083	3.50
6225-250-00.750N	3/4	1-1/4	.083	2.37
6225-250-01.000N	1	1-1/2	.083	2.57
6225-250-01.125N	1-1/8	1-5/8	.083	2.66
6225-250-01.250N	1-1/4	1-3/4	.083	6.03
6225-250-01.750N	1-3/4	2-1/4	.140	2.72
6225-250-02.625N	2-5/8	3-1/8	.140	5.71
6225-312-01.250N	1-1/4	1-7/8	.140	2.78
6225-312-01.375N	1-3/8	2	.140	2.83
6225-312-01.500N	1-1/2	2-1/8	.140	2.91
6225-312-01.625N	1-5/8	2-1/4	.140	3.09
6225-312-01.750N	1-3/4	2-3/8	.140	3.71
6225-312-02.000N	2	2-5/8	.140	4.43
6225-312-02.125N	2-1/8	2-3/4	.140	5.58
6225-312-02.250N	2-1/4	2-7/8	.140	5.65
6225-312-02.500N	2-1/2	3-1/8	.140	6.34
6225-312-05.750N	5-3/4	6-3/8	.140	20.88

PART NUMBER	I.D.	O.D.	S.H.	LIST PRICE
6225-375-02.000N	2	2-3/4	.140	\$ 5.58
6225-375-02.437N	2-7/16	3-3/16	.156	18.23
6225-375-02.500N	2-1/2	3-1/4	.156	8.60
6225-375-02.625N	2-5/8	3-3/8	.156	5.96
6225-375-02.750N	2-3/4	3-1/2	.156	7.05
6225-375-03.000N	3	3-3/4	.156	6.29
6225-375-03.125N	3-1/8	3-7/8	.156	7.22
6225-375-03.250N	3-1/4	4	.156	7.52
6225-375-03.500N	3-1/2	4-1/4	.156	8.33
6225-375-03.750N	3-3/4	4-1/2	.156	9.08
6225-406-04.437N	4-7/16	5-1/4	.156	24.18
6225-437-03.875N	3-7/8	4-3/4	.197	17.98
6225-437-04.000N	4	4-7/8	.197	21.55
6225-437-04.250N	4-1/4	5-1/8	.197	19.25
6225-437-04.500N	4-1/2	5-3/8	.197	20.70
6225-437-05.000N	5	5-7/8	.197	21.27
6225-437-05.500N	5-1/2	6-3/8	.197	22.14
6225-500-05.500N	5-1/2	6-1/2	.197	28.74
6225-500-05.750N	5-3/4	6-3/4	.197	25.33



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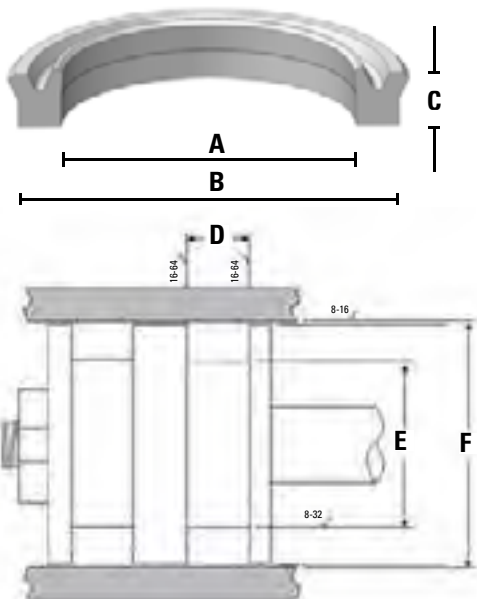


P-U HEAVY DUTY PISTON U-SEALS

PISTON U-SEALS

[SEAL INFORMATION]

P-U



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

MAXIMUM EXTRUSION GAP

PRESSURE PSI	1,000 PSI	3,000 PSI	5,000 PSI	6,000 PSI
MAXIMUM DIAM. GAP	.032"	.015"	.012"	.009"

With asymmetric lip heights to achieve optimal seal load and stability, these U-cups are specifically designed as a highly reliable dynamic piston seal.

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	E GROOVE DIA.	F BORE DIA.	LIST PRICE
1/8" C/S							
P12-0.75-12U	3/4	1	0.125	0.156 +0.015/-0	0.750 +0/-0.005	1.000 +0.003/-0	\$ 6.72
P12-1.00-25U	1	1-1/4	0.250	0.500 +0.015/-0	1.000 +0/-0.005	1.250 +0.003/-0	7.96
3/16" C/S							
P18-1.25-31U	1-1/4	1-5/8	0.313	0.343 +0.015/-0	1.250 +0/-0.007	1.625 +0.003/-0	\$ 12.87
P18-1.37-31U	1-3/8	1-3/4	0.313	0.343 +0.015/-0	1.375 +0/-0.007	1.750 +0.003/-0	10.67
P18-1.75-31U	1-3/4	2-1/8	0.313	0.343 +0.015/-0	1.750 +0/-0.007	2.125 +0.003/-0	12.58
P18-1.75-37U	1-3/4	2-1/8	0.375	0.406 +0.015/-0	1.750 +0/-0.007	2.125 +0.003/-0	12.94
P18-2.00-37U	2	2-3/8	0.375	0.406 +0.015/-0	2.000 +0/-0.008	2.375 +0.003/-0	13.20
P18-2.12-18U	2-1/8	2-1/2	0.188	0.219 +0.015/-0	2.125 +0/-0.008	2.500 +0.003/-0	15.07
P18-2.12-31U	2-1/8	2-1/2	0.313	0.343 +0.015/-0	2.125 +0/-0.008	2.500 +0.003/-0	15.86
P18-2.12-37U	2-1/8	2-1/2	0.375	0.406 +0.015/-0	2.125 +0/-0.008	2.500 +0.003/-0	16.42
P18-3.12-37U	3-1/8	3-1/2	0.375	0.406 +0.015/-0	3.125 +0/-0.009	3.500 +0.003/-0	19.02
7/32" C/S							
P21-0.25-37U	1/4	11/16	0.375	0.406 +0.015/-0	0.250 +0/-0.004	0.688 +0.003/-0	\$ 6.24
1/4" C/S							
P25-1.00-35U	1	1-1/2	0.357	0.388 +0.015/-0	1.000 +0/-0.005	1.500 +0.003/-0	\$ 9.30
P25-1.00-37U	1	1-1/2	0.375	0.406 +0.015/-0	1.000 +0/-0.005	1.500 +0.003/-0	8.58
P25-1.12-31U	1-1/8	1-5/8	0.313	0.343 +0.015/-0	1.125 +0/-0.005	1.625 +0.003/-0	8.95
P25-1.25-37U	1-1/4	1-3/4	0.375	0.406 +0.015/-0	1.250 +0/-0.007	1.750 +0.003/-0	9.90
P25-1.50-31U	1-1/2	2	0.313	0.343 +0.015/-0	1.500 +0/-0.007	2.000 +0.003/-0	10.63
P25-1.50-37U	1-1/2	2	0.375	0.406 +0.015/-0	1.500 +0/-0.007	2.000 +0.003/-0	10.55
P25-1.75-37U	1-3/4	2-1/4	0.375	0.406 +0.015/-0	1.750 +0/-0.007	2.250 +0.003/-0	13.31
P25-2.00-37U	2	2-1/2	0.375	0.406 +0.015/-0	2.000 +0/-0.008	2.500 +0.003/-0	13.76
P25-2.06-25U	2-1/16	2-9/16	0.250	0.281 +0.015/-0	2.063 +0/-0.008	2.563 +0.003/-0	17.69

INCH



P-U HEAVY DUTY PISTON U-SEALS

103

PISTON U-SEALS

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	E GROOVE DIA.	F BORE DIA.	LIST PRICE
1/4" C/S							
P25-2.06-34U	2-1/16	2-9/16	0.344	0.375 +0.015/-0	2.063 +0/-0.008	2.563 +0.003/-0	\$ 15.56
P25-2.25-31U	2-1/4	2-3/4	0.313	0.343 +0.015/-0	2.250 +0/-0.008	2.750 +0.003/-0	18.50
P25-2.25-37U	2-1/4	2-3/4	0.375	0.406 +0.015/-0	2.250 +0/-0.008	2.750 +0.003/-0	18.78
P25-2.50-37U	2-1/2	3	0.375	0.406 +0.015/-0	2.500 +0/-0.008	3.000 +0.003/-0	13.09
P25-2.75-37U	2-3/4	3-1/4	0.375	0.406 +0.015/-0	2.750 +0/-0.008	3.250 +0.003/-0	19.99
P25-3.00-37U	3	3-1/2	0.375	0.406 +0.015/-0	3.000 +0/-0.009	3.500 +0.003/-0	16.12
P25-3.12-37U	3-1/8	3-5/8	0.375	0.406 +0.015/-0	3.125 +0/-0.009	3.625 +0.003/-0	17.24
P25-3.25-37U	3-1/4	3-3/4	0.375	0.406 +0.015/-0	3.250 +0/-0.009	3.750 +0.003/-0	14.55
P25-3.50-37U	3-1/2	4	0.375	0.406 +0.015/-0	3.500 +0/-0.009	4.000 +0.004/-0	17.52
P-25-3.62-37U	3-5/8	4-1/8	0.375	0.406 +0.015/-0	3.625 +0/-0.009	4.125 +0.004/-0	19.08
P25-3.75-37U	3-3/4	4-1/4	0.375	0.406 +0.015/-0	3.750 +0/-0.009	4.250 +0.004/-0	21.16
P25-4.00-37U	4	4-1/2	0.375	0.406 +0.015/-0	4.000 +0/-0.009	4.500 +0.004/-0	23.94
P25-4.00-56U	4	4-1/2	0.563	0.594 +0.015/-0	4.000 +0/-0.009	4.500 +0.004/-0	26.21
P25-4.50-37U	4-1/2	5	0.375	0.406 +0.015/-0	4.500 +0/-0.009	5.000 +0.004/-0	24.87
P-25-4.50-43U	4-1/2	5	0.438	0.468 +0.015/-0	4.500 +0/-0.009	5.000 +0.004/-0	27.94
P25-4.50-56U	4-1/2	5	0.563	0.594 +0.015/-0	4.500 +0/-0.009	5.000 +0.004/-0	26.21
P25-5.00-37U	5	5-1/2	0.375	0.406 +0.015/-0	5.000 +0/-0.010	5.500 +0.004/-0	26.44
P25-5.00-56U	5	5-1/2	0.563	0.594 +0.015/-0	5.000 +0/-0.010	5.500 +0.004/-0	34.63
P25-5.50-25U	5-1/2	6	0.250	0.281 +0.015/-0	5.500 +0/-0.010	6.000 +0.004/-0	33.24
P25-5.50-37U	5-1/2	6	0.375	0.406 +0.015/-0	5.500 +0/-0.010	6.000 +0.004/-0	33.24
P25-5.50-50U	5-1/2	6	0.500	0.531 +0.015/-0	5.500 +0/-0.010	6.000 +0.004/-0	37.95
P25-5.50-56U	5-1/2	6	0.563	0.594 +0.015/-0	5.500 +0/-0.010	6.000 +0.004/-0	35.89
5/16" C/S							
P31-1.12-50U	1-1/8	1-3/4	0.500	0.531 +0.015/-0	1.125 +0/-0.005	1.750 +0.003/-0	\$ 10.38
P31-1.25-47U	1-1/4	1-7/8	0.469	0.500 +0.015/-0	1.250 +0/-0.007	1.875 +0.003/-0	10.79
P31-1.37-37U	1-3/8	2	0.375	0.406 +0.015/-0	1.375 +0/-0.007	2.000 +0.003/-0	16.23
P31-1.37-43U	1-3/8	2	0.438	0.468 +0.015/-0	1.375 +0/-0.007	2.000 +0.003/-0	10.70
P31-1.37-44U	1-3/8	2	0.440	0.471 +0.015/-0	1.375 +0/-0.007	2.000 +0.003/-0	17.22
P31-1.37-50U	1-3/8	2	0.500	0.531 +0.015/-0	1.375 +0/-0.007	2.000 +0.003/-0	13.21
P31-1.62-50U	1-5/8	2-1/4	0.500	0.531 +0.015/-0	1.625 +0/-0.007	2.250 +0.003/-0	14.82
P31-1.87-37U	1-7/8	2-1/2	0.375	0.406 +0.015/-0	1.875 +0/-0.007	2.500 +0.003/-0	14.99
P31-1.87-50U	1-7/8	2-1/2	0.500	0.531 +0.015/-0	1.875 +0/-0.007	2.500 +0.003/-0	19.20
P31-2.37-37U	2-3/8	3	0.375	0.406 +0.015/-0	2.375 +0/-0.008	3.000 +0.003/-0	16.05
P31-2.37-50U	2-3/8	3	0.500	0.531 +0.015/-0	2.375 +0/-0.008	3.000 +0.003/-0	20.24
P31-2.87-50U	2-7/8	3-1/2	0.500	0.531 +0.015/-0	2.875 +0/-0.008	3.500 +0.003/-0	19.92
P31-3.37-37U	3-3/8	4	0.375	0.406 +0.015/-0	3.375 +0/-0.009	4.000 +0.004/-0	26.26
P31-3.37-50U	3-3/8	4	0.500	0.531 +0.015/-0	3.375 +0/-0.009	4.000 +0.004/-0	26.37
P31-3.62-37U	3-5/8	4-1/4	0.375	0.406 +0.015/-0	3.625 +0/-0.009	4.250 +0.004/-0	27.69
P31-3.62-50U	3-5/8	4-1/4	0.500	0.531 +0.015/-0	3.625 +0/-0.009	4.250 +0.004/-0	22.27
P31-3.87-50U	3-7/8	4-1/2	0.500	0.531 +0.015/-0	3.875 +0/-0.009	4.500 +0.004/-0	33.97
P31-5.37-50U	5-3/8	6	0.500	0.531 +0.015/-0	5.375 +0/-0.010	6.000 +0.004/-0	38.88
.32" C/S							
P32-1.62-39U	1.62	2.26	0.390	0.421 +0.015/-0	1.625 +0/-0.007	2.266 +0.003/-0	\$ 15.86



INCH

P-U HEAVY DUTY PISTON U-SEALS

PISTON U-SEALS

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	E GROOVE DIA.	F BORE DIA.	LIST PRICE
3/8" C/S							
P37-1.75-62U	1-3/4	2-1/2	0.625	0.656 +0.015/-0	1.750 +0/-0.007	2.500 +0.003/-0	\$ 13.78
P37-2.25-62U	2-1/4	3	0.625	0.656 +0.015/-0	2.250 +0/-0.008	3.000 +0.003/-0	17.26
P37-2.50-62U	2-1/2	3-1/4	0.625	0.656 +0.015/-0	2.500 +0/-0.008	3.250 +0.003/-0	28.89
P37-2.75-37U	2-3/4	3-1/2	0.375	0.406 +0.015/-0	2.750 +0/-0.008	3.500 +0.003/-0	18.35
P37-2.75-62U	2-3/4	3-1/2	0.625	0.656 +0.015/-0	2.750 +0/-0.008	3.500 +0.003/-0	22.23
P37-3.00-37U	3	3-3/4	0.375	0.406 +0.015/-0	3.000 +0/-0.009	3.750 +0.003/-0	21.95
P37-3.00-47-AN-U	3	3-3/4	0.469	0.500 +0.015/-0	3.000 +0/-0.009	3.750 +0.003/-0	21.95
P37-3.00-50U	3	3-3/4	0.500	0.531 +0.015/-0	3.000 +0/-0.009	3.750 +0.003/-0	18.85
P37-3.25-37U	3-1/4	4	0.375	0.406 +0.015/-0	3.250 +0/-0.009	4.000 +0.004/-0	19.36
P37-3.25-50U	3-1/4	4	0.500	0.531 +0.015/-0	3.250 +0/-0.009	4.000 +0.004/-0	20.03
P37-3.25-62U	3-1/4	4	0.625	0.656 +0.015/-0	3.250 +0/-0.009	4.000 +0.004/-0	20.03
P37-3.50-37U	3-1/2	4-1/4	0.375	0.406 +0.015/-0	3.500 +0/-0.009	4.250 +0.004/-0	20.38
P37-3.75-37U	3-3/4	4-1/2	0.375	0.406 +0.015/-0	3.750 +0/-0.009	4.500 +0.004/-0	24.35
P37-3.75-50U	3-3/4	4-1/2	0.500	0.531 +0.015/-0	3.750 +0/-0.009	4.500 +0.004/-0	24.35
P37-3.75-62U	3-3/4	4-1/2	0.625	0.656 +0.015/-0	3.750 +0/-0.009	4.500 +0.004/-0	24.35
P37-4.25-37U	4-1/4	5	0.375	0.406 +0.015/-0	4.250 +0/-0.009	5.000 +0.004/-0	24.44
P37-4.25-50U	4-1/4	5	0.500	0.531 +0.015/-0	4.250 +0/-0.009	5.000 +0.004/-0	24.44
P37-4.25-62U	4-1/4	5	0.625	0.656 +0.015/-0	4.250 +0/-0.009	5.000 +0.004/-0	25.31
P37-4.37-50U	4-3/8	5-1/8	0.500	0.531 +0.015/-0	4.375 +0/-0.009	5.125 +0.004/-0	25.53
P37-4.50-37U	4-1/2	5-1/4	0.375	0.406 +0.015/-0	4.500 +0/-0.009	5.250 +0.004/-0	26.43
P37-4.50-50U	4-1/2	5-1/4	0.500	0.531 +0.015/-0	4.500 +0/-0.009	5.250 +0.004/-0	27.66
P37-4.50-62U	4-1/2	5-1/4	0.625	0.656 +0.015/-0	4.500 +0/-0.009	5.250 +0.004/-0	29.74
P37-4.75-50U	4-3/4	5-1/2	0.500	0.531 +0.015/-0	4.750 +0/-0.009	5.500 +0.004/-0	31.07
P37-4.75-62U	4-3/4	5-1/2	0.625	0.656 +0.015/-0	4.750 +0/-0.009	5.500 +0.004/-0	31.07
P37-5.00-50U	5	5-3/4	0.500	0.531 +0.015/-0	5.000 +0/-0.010	5.750 +0.004/-0	32.25
P37-5.25-37U	5-1/4	6	0.375	0.406 +0.015/-0	5.250 +0/-0.010	6.000 +0.004/-0	38.88
P37-5.25-50U	5-1/4	6	0.500	0.531 +0.015/-0	5.250 +0/-0.010	6.000 +0.004/-0	38.88
P37-5.25-62U	5-1/4	6	0.625	0.656 +0.015/-0	5.250 +0/-0.010	6.000 +0.004/-0	38.88
P37-5.50-37U	5-1/2	6-1/4	0.375	0.406 +0.015/-0	5.500 +0/-0.010	6.250 +0.004/-0	39.22
P37-5.75-37U	5-3/4	6-1/2	0.375	0.406 +0.015/-0	5.750 +0/-0.010	6.500 +0.004/-0	39.49
P37-5.75-62U	5-3/4	6-1/2	0.625	0.656 +0.015/-0	5.750 +0/-0.010	6.500 +0.004/-0	39.49
P37-6.00-50U	6	6-3/4	0.500	0.531 +0.015/-0	6.000 +0/-0.010	6.750 +0.005/-0	47.88
P37-6.25-37U	6-1/4	7	0.375	0.406 +0.015/-0	6.250 +0/-0.010	7.000 +0.005/-0	48.83
P37-6.25-50U	6-1/4	7	0.500	0.531 +0.015/-0	6.250 +0/-0.010	7.000 +0.005/-0	56.29
P37-6.25-62U	6-1/4	7	0.625	0.656 +0.015/-0	6.250 +0/-0.010	7.000 +0.005/-0	58.12
P37-6.50-62U	6-1/2	7-1/4	0.625	0.656 +0.015/-0	6.500 +0/-0.010	7.250 +0.005/-0	59.28
P37-6.75-50U	6-3/4	7-1/2	0.500	0.531 +0.015/-0	6.750 +0/-0.010	7.500 +0.005/-0	61.83
P37-7.25-37U	7-1/4	8	0.375	7.500 +0.005/-0	7.250 +0/-0.011	8.000 +0.005/-0	66.74
P37-7.25-50U	7-1/4	8	0.500	0.531 +0.015/-0	7.250 +0/-0.011	8.000 +0.005/-0	66.74
P37-7.25-62U	7-1/4	8	0.625	0.656 +0.015/-0	7.250 +0/-0.011	8.000 +0.005/-0	66.74
.383" C/S							
P38-2.00-48U	2	2.765	0.486	0.517 +0.015/-0	2.500 +0/-0.008	3.266 +0.003/-0	\$ 19.27
P38-2.50-48U	2-1/2	3.26	0.486	0.517 +0.015/-0	2.000 +0/-0.008	2.766 +0.003/-0	21.87

INCH



P-U HEAVY DUTY PISTON U-SEALS

105

PISTON U-SEALS

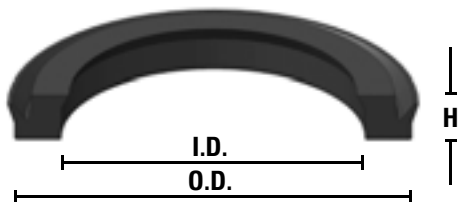
PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	E GROOVE DIA.	F BORE DIA.	LIST PRICE
1/2" C/S							
P50-4.12-59U	4-1/8	5-1/8	0.590	0.649 +0.015/-0	4.125 +0/-0.009	5.125 +0.004/-0	\$ 30.51
P50-5.00-50U	5	6	0.500	0.531 +0.015/-0	5.000 +0/-0.010	6.000 +0.004/-0	46.18
P50-5.25-62U	5-1/4	6-1/4	0.625	0.656 +0.015/-0	5.250 +0/-0.010	6.250 +0.004/-0	41.86
P50-5.50-62U	5-1/2	6-1/2	0.625	0.656 +0.015/-0	5.500 +0/-0.010	6.500 +0.004/-0	42.64
P50-6.00-75U	6	7	0.750	0.781 +0.015/-0	6.000 +0/-0.010	7.000 +0.005/-0	49.91
P50-6.50-62U	6-1/2	7-1/2	0.625	0.656 +0.015/-0	6.500 +0/-0.010	7.500 +0.005/-0	62.33
P50-6.50-75U	6-1/2	7-1/2	0.750	0.781 +0.015/-0	6.500 +0/-0.010	7.500 +0.005/-0	62.33
P50-7.00-50U	7	8	0.500	0.531 +0.015/-0	7.000 +0/-0.011	8.000 +0.005/-0	78.23
P50-7.00-75U	7	8	0.750	0.781 +0.015/-0	7.000 +0/-0.011	8.000 +0.005/-0	66.74
P50-7.50-62U	7-1/2	8-1/2	0.625	0.656 +0.015/-0	7.500 +0/-0.011	8.500 +0.005/-0	69.76
P50-7.50-75U	7-1/2	8-1/2	0.750	0.781 +0.015/-0	7.500 +0/-0.011	8.500 +0.005/-0	72.92
P50-8.00-75U	8	9	0.750	0.781 +0.015/-0	8.000 +0/-0.011	9.000 +0.005/-0	75.96
P50-9.00-62U	9	10	0.625	0.656 +0.015/-0	9.000 +0/-0.011	10.000 +0.005/-0	96.77
P50-9.00-75U	9	10	0.750	0.781 +0.015/-0	9.000 +0/-0.011	10.000 +0.005/-0	100.13
P50-10.00-62U	10	11	0.625	0.656 +0.015/-0	10.000 +0/-0.011	11.000 +0.005/-0	172.75
P50-10.00-75U	10	11	0.750	0.781 +0.015/-0	10.000 +0/-0.011	11.000 +0.005/-0	111.05
P50-11.00-62U	11	12	0.625	0.656 +0.015/-0	11.000 +0/-0.012	12.000 +0.006/-0	122.84
P50-11.00-75U	11	12	0.750	0.781 +0.015/-0	11.000 +0/-0.012	12.000 +0.006/-0	166.28
5/8" C/S							
P62-3.50-56U	3-1/2	4-3/4	0.563	0.594 +0.015/-0	3.500 +0/-0.009	4.750 +0.004/-0	\$ 49.89
P62-9.25-75U	9-1/4	10-1/2	0.750	0.781 +0.015/-0	9.250 +0/-0.011	10.500 +0.005/-0	105.81



INCH

[SEAL INFORMATION]

KP



MATERIAL	90A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 150 PSI
PART NUMBER	(Prefix) (CS) - (Outside Diameter)

The KP seal is designed as a positive sealing, low friction replacement for ordinary rubber u-seals. Made from polyurethane, this seal is durable and offers high resistance against extrusion. Its low friction enables the KP seal to run smoothly in both lubricated or non-lubricated cylinders.

PART NUMBER	O.D.	I.D.	H	LIST PRICE
3/32" C/S				
KP-094-00.375	3/8	3/16	3/32	\$ 3.41
KP-094-00.500	1/2	5/16	3/32	5.84
KP-094-00.687	11/16	1/2	3/32	3.64
KP-094-01.125	1-1/8	15/16	3/32	7.02
1/8" C/S				
KP-125-00.625	5/8	3/8	1/8	\$ 4.38
KP-125-00.750	3/4	1/2	1/8	4.38
KP-125-00.875	7/8	5/8	1/8	4.57
KP-125-01.000	1	3/4	1/8	4.79
KP-125-01.125	1-1/8	7/8	1/8	4.79
KP-125-01.187	1-3/16	15/16	1/8	7.74
KP-125-01.250	1-1/4	1	1/18	4.96
KP-125-01.375	1-3/8	1-1/8	1/8	8.03
KP-125-01.500	1-1/2	1-1/4	1/8	4.93
KP-125-02.000	2	1-3/4	1/8	5.44
KP-125-02.250	2-1/4	2	1/8	5.75
KP-125-02.750	2-3/4	2-1/2	1/8	6.44
5/32" C/S				
KP-156-01.000	1	11/16	5/32	\$ 7.37
KP-156-01.250	1-1/4	15/16	5/32	8.84
KP-156-01.375	1-3/8	1-1/16	5/32	9.59
KP-156-01.500	1-1/2	1-3/16	5/32	5.16
KP-156-01.562	1-9/16	1-1/4	5/32	5.16
KP-156-01.625	1-5/8	1-5/16	5/32	10.44
KP-156-01.687	1-11/16	1-3/8	5/32	10.68
KP-156-01.750	1-3/4	1-7/16	5/32	10.87
KP-156-01.875	1-7/8	1-9/16	5/32	11.60
3/16" C/S				
KP-187-01.125	1-1/8	7/8	3/16	\$ 8.85

PART NUMBER	O.D.	I.D.	H	LIST PRICE
3/16" C/S				
KP-187-01.750	1-3/4	1-3/8	3/16	\$ 5.31
KP-187-02.000	2	1-5/8	3/16	5.44
KP-187-02.125	2-1/8	1-3/4	3/16	10.65
KP-187-02.250	2-1/4	1-7/8	3/16	5.55
KP-187-02.375	2-3/8	2	3/16	12.24
KP-187-02.500	2-1/2	2-1/8	3/16	5.75
KP-187-02.625	2-5/8	2-1/4	3/16	5.91
KP-187-02.750	2-3/4	2-3/8	3/16	9.38
KP-187-02.875	2-7/8	2-1/2	3/16	6.21
KP-187-04.000	4	3-5/8	3/16	7.36
7/32" C/S				
KP-218-03.000	3	2-9/16	7/32	\$ 11.08
KP-218-03.250	3-1/4	2-13/16	7/32	12.05
1/4" C/S				
KP-250-03.000	3	2-1/2	1/4	\$ 11.49
KP-250-03.250	3-1/4	2-3/4	1/4	17.44
KP-250-03.500	3-1/2	3	1/4	13.41
KP-250-04.000	4	3-1/2	1/4	15.34
KP-250-05.000	5	4-1/2	1/4	19.28
KP-250-06.000	6	5-1/2	1/4	23.00
KP-250-07.000	7	6-1/2	1/4	35.49
KP-250-08.000	8	7-1/2	1/4	37.87
KP-250-10.000	10	9-1/2	1/4	50.49
5/16" C/S				
KP-312-06.000	6	5-3/8	5/16	\$ 27.59
KP-312-08.000	8	7-3/8	5/16	36.54
3/8" C/S				
KP-375-10.000	10	9-1/4	3/8	\$ 53.51

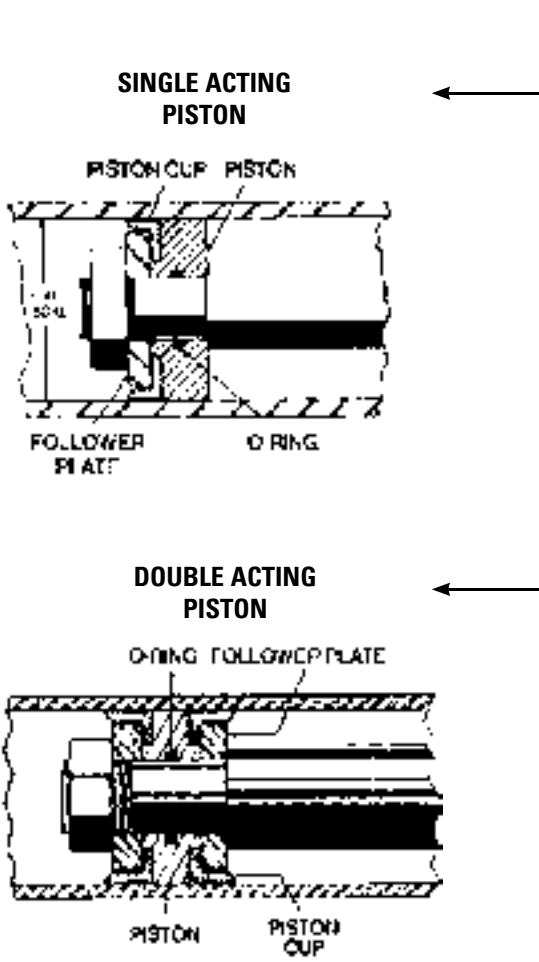


Depending on the particular application, piston cups are available in fabric/rubber, and homogenous rubber. Note that the information on this page applies to all styles and materials. In selecting a piston cup, use the information below and the descriptions on the following pages to determine the optimal style and material for your specific requirements.

To obtain best results from any style of piston cup, it is recommended that the piston properly support the heel of the cup. Recommended diametrical 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:



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"

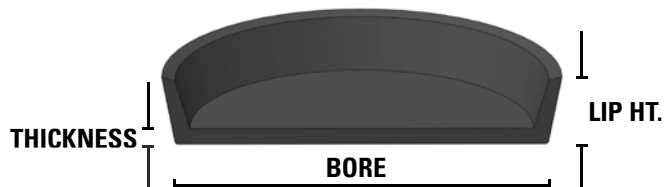
The follower plate should be approximately .110" smaller than the I.D. of the cup. To reduce any tendency of the cup to extrude under pressure, a phonograph finish may be machined on the surface of the follower plate.

Note: HydraPak Seals will cut out center holes for a nominal fee.



[SEAL INFORMATION]

PCF

**MATERIAL**COTTON FABRIC &
RUBBER**TEMPERATURE RANGE**

-65° TO +220° F

PRESSURE RANGE

0 TO 3,000 PSI

PART NUMBER

(Prefix) (Bore) (Height)

Fabric and rubber piston cups are made for use in hydraulic applications. They provide durability and effective sealing up to significant pressures. Please note that all sizes are supplied blank, without holes. Upon request, we will cut holes to size for a nominal charge.

PART NUMBER	BORE	LIP HT.	THICKNESS	LIST PRICE
PCF-0500	1/2	1/4	1/16	\$ 5.06
PCF-0625	5/8	9/32	3/32	4.79
PCF-0750-312	3/4	5/16	3/32	4.94
PCF-0750	3/4	7/16	3/32	5.29
PCF-0875	7/8	7/16	3/32	5.46
PCF-1000	1	7/16	3/32	5.38
PCF-1125	1-1/8	7/16	3/32	6.38
PCF-1250	1-1/4	7/16	3/32	6.64
PCF-1375	1-3/8	7/16	3/32	8.38
PCF-1500	1-1/2	1/2	1/8	7.82
PCF-1625	1-5/8	1/2	1/8	8.99
PCF-1750	1-3/4	1/2	1/8	8.99
PCF-1875	1-7/8	1/2	1/8	9.18
PCF-2000	2	1/2	1/8	9.64
PCF-2125	2-1/8	1/2	1/8	12.17
PCF-2250	2-1/4	1/2	1/8	10.09
PCF-2375	2-3/8	1/2	1/8	10.09
PCF-2500	2-1/2	1/2	1/8	10.05
PCF-2625	2-5/8	1/2	1/8	11.51
PCF-2750	2-3/4	1/2	1/8	11.89
PCF-2875	2-7/8	1/2	1/8	12.56
PCF-3000	3	5/8	5/32	12.87
PCF-3125	3-1/8	5/8	5/32	14.72
PCF-3250	3-1/4	5/8	5/32	16.19
PCF-3375	3-3/8	5/8	5/32	16.24
PCF-3500	3-1/2	5/8	5/32	16.10
PCF-3625	3-5/8	5/8	5/32	16.98
PCF-3750	3-3/4	5/8	5/32	16.98
PCF-3875	3-7/8	5/8	5/32	17.45

PART NUMBER	BORE	LIP HT.	THICKNESS	LIST PRICE
PCF-4000	4	5/8	5/32	\$ 18.16
PCF-4250	4-1/4	5/8	5/32	22.39
PCF-4500	4-1/2	5/8	5/32	22.61
PCF-4750	4-3/4	5/8	5/32	25.37
PCF-5000	5	3/4	3/16	27.64
PCF-5000-1000	5	1	3/16	29.55
PCF-5250	5-1/4	3/4	3/16	29.43
PCF-5500	5-1/2	3/4	3/16	29.07
PCF-5750	5-3/4	3/4	3/16	41.32
PCF-6000	6	3/4	3/16	41.32
PCF-6500	6-1/2	3/4	3/16	46.21
PCF-6750	6-3/4	3/4	3/16	49.87
PCF-7000	7	3/4	3/16	49.87
PCF-7500	7-1/2	3/4	3/16	55.96
PCF-8000	8	1	3/16	59.02
PCF-9000	9	1	3/16	100.72
PCF-12000	12	1	3/16	181.13

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

PART NUMBER	BORE	LIP HT.	THICKNESS	LIST PRICE
9200-062ED	2	7/8	7/32	\$ 12.22
9262-087ED	2-5/8	7/8	7/32	22.52
9325-100ED	3-1/4	7/8	7/32	24.28
9387-112ED	3-7/8	7/8	7/32	27.74
9475-125ED	4-3/4	7/8	7/32	33.38
9750-150ED	5-3/4	7/8	7/32	39.62

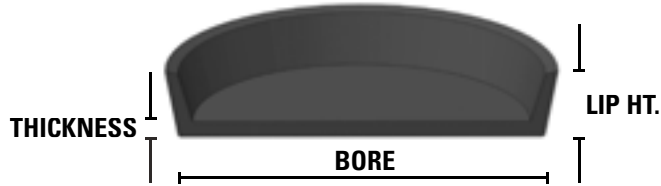
PCH RUBBER PISTON CUPS

109

PISTON CUPS

[SEAL INFORMATION]

PCH



MATERIAL	BUNA-N RUBBER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 150 PSI
PART NUMBER	(Piston Cup Type) (Bore) (Height)

Homogenous rubber piston cups provide a good seal for low pressure in both hydraulic and pneumatic applications. Please note that all sizes are supplied blank, without holes. Upon request, we will cut holes to size for a nominal charge.

PART NUMBER	BORE	LIP HT.	THICKNESS	LIST PRICE
PCH-0500	1/2	1/4	1/16	\$ 4.02
PCH-0625	5/8	9/32	3/32	4.51
PCH-0750	3/4	5/16	3/32	3.85
PCH-1000	1	7/16	3/32	4.08
PCH-1125	1-1/8	7/16	3/32	5.66
PCH-1250	1-1/4	7/16	1/8	4.72
PCH-1375	1-3/8	7/16	1/8	4.80
PCH-1500	1-1/2	1/2	1/8	4.80
PCH-1625	1-5/8	1/2	1/8	4.67
PCH-1750	1-3/4	1/2	1/8	7.49
PCH-1875	1-7/8	1/2	1/8	9.06
PCH-2000	2	1/2	1/8	5.35
PCH-2250	2-1/4	1/2	1/8	5.75
PCH-2500	2-1/2	1/2	1/8	6.06
PCH-2625	2-5/8	1/2	1/8	6.23
PCH-2750	2-3/4	1/2	1/8	6.38
PCH-2875	2-7/8	1/2	1/8	6.60
PCH-3000	3	5/8	5/32	6.62
PCH-3125	3-1/8	5/8	5/32	6.53
PCH-3250	3-1/4	5/8	3/16	7.06

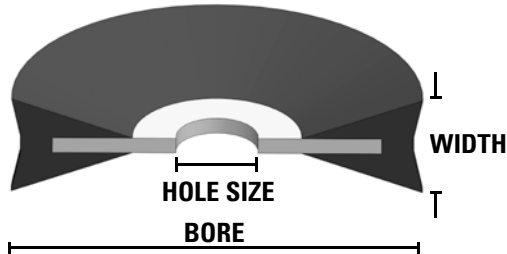
PART NUMBER	BORE	LIP HT.	THICKNESS	LIST PRICE
PCH-3500	3-1/2	5/8	5/32	\$ 7.48
PCH-3750	3-3/4	5/8	5/32	7.48
PCH-4000	4	5/8	5/32	8.57
PCH-4250	4-1/4	5/8	5/32	9.69
PCH-4500	4-1/2	5/8	5/32	10.56
PCH-4750	4-3/4	5/8	5/32	11.59
PCH-5000	5	3/4	3/16	12.69
PCH-5500	5-1/2	3/4	3/16	14.18
PCH-5750	5-3/4	3/4	3/16	20.73
PCH-6000-750	6	3/4	3/16	15.84
PCH-6000-1000	6	1	3/16	22.35
PCH-6250	6-1/4	3/4	3/16	17.11
PCH-6500	6-1/2	3/4	3/16	18.21
PCH-7000	7	3/4	3/16	22.60
PCH-7500	7-1/2	7/8	3/16	28.62
PCH-8000	8	1	3/16	30.49
PCH-9000	9	1	3/16	34.29
PCH-10000	10	1	3/16	34.60
PCH-12000	12	1	3/16	61.27
PCH-14000	14	1	3/16	62.87



INCH

[SEAL INFORMATION]

DAPC

**MATERIAL**RUBBER LIP, ZINC
COATED STEEL PLATE**TEMPERATURE RANGE**

-65° TO +220° F

PRESSURE RANGE

0 TO 800 PSI

PART NUMBER

(Prefix) - (Bore Size)

Featuring a simple, one-piece construction, this complete piston cup serves the same purpose as a multi-assembly unit, yet 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 NUMBER	BORE	HOLE SIZE	WIDTH	LIST PRICE
DAPC-100	1	1/4	3/8	\$ 21.83
DAPC-125	1-1/4	1/4	1/2	22.56
DAPC-137	1-3/8	1/4	1/2	22.56
DAPC-150	1-1/2	1/4	1/2	24.08
DAPC-175	1-3/4	1/4	1/2	32.74
DAPC-200	2	3/8	9/16	32.74
DAPC-225	2-1/4	3/8	9/16	24.65
DAPC-250	2-1/2	3/8	9/16	30.83
DAPC-300	3	1/2	9/16	34.92
DAPC-325	3-1/4	1/2	9/16	54.23
DAPC-350	3-1/2	1/2	3/4	51.94
DAPC-400	4	1/2	3/4	61.68
DAPC-500	5	3/4	15/16	111.02
DAPC-600	6	3/4	15/16	149.13

[SEAL INFORMATION]

LTP



MATERIAL

BUNA-N RUBBER SEAL
NYLON BACK-UPS

TEMPERATURE RANGE

-35° TO +250° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (O-Ring Sz) (Groove Width)

T-SEAL GROOVE DIMENSIONS

O-RING SERIES	GROOVE DEPTH	GROOVE WIDTH		
		STD.	-1	-2
-100	.093 ref.	.150	.183	.245
-200	.122 ref.	.183	.235	.304
-300	.187 ref.	.280	.334	.424
-400	.240 ref.	.366	.475	.579

Locking T Piston Seals are designed for bidirectional pressure applications and specifically for compression-type dynamic sealing. Easier to install than standard T-seals due to their locking backups, LTP seals retrofit into standard O-ring, as well as MIL-5514F glands where seal drift is a concern.

PART NUMBER	BORE DIAMETER	GROOVE WIDTH	LIST PRICE
LTP-208	7/8	.185	\$ 8.66
LTP-210	1	.185	7.73
LTP-212	1-1/8	.185	8.02
LTP-214	1-1/4	.185	8.38
LTP-216	1-3/8	.185	8.66
LTP-218	1-1/2	.185	8.10
LTP-218-1	1-1/2	.235	12.17
LTP-220	1-5/8	.185	8.66
LTP-222	1-3/4	.185	8.66
LTP-325	1-7/8	.280	8.65
LTP-326	2	.280	7.22
LTP-326-1	2	.334	13.60
LTP-327	2-1/8	.280	8.13
LTP-328	2-1/4	.280	8.13
LTP-329	2-3/8	.280	8.46
LTP-330	2-1/2	.280	8.93
LTP-330-2	2-1/2	.424	17.73
LTP-331	2-5/8	.280	9.71
LTP-332	2-3/4	.280	9.81
LTP-333	2-7/8	.280	10.17
LTP-334	3	.280	11.27
LTP-334-2	3	.424	24.21
LTP-335	3-1/8	.280	11.01
LTP-336	3-1/4	.280	12.27
LTP-338	3-1/2	.280	13.43

PART NUMBER	BORE DIAMETER	GROOVE WIDTH	LIST PRICE
LTP-338-2	3-1/2	.424	\$ 29.45
LTP-340	3-3/4	.280	16.94
LTP-342	4	.280	20.29
LTP-342-2	4	.424	21.37
LTP-343	4-1/8	.280	19.48
LTP-344	4-1/4	.280	21.01
LTP-346	4-1/2	.280	26.90
LTP-347-1	4-5/8	.334	29.35
LTP-348	4-3/4	.280	30.59
LTP-350	5	.280	30.69
LTP-350-1	5	.334	54.03
LTP-350-2	5	.424	54.03
LTP-426	5-1/8	.366	31.90
LTP-427	5-1/4	.366	33.61
LTP-429	5-1/2	.366	36.90
LTP-431	5-3/4	.366	37.69
LTP-433	6	.366	40.70
LTP-433-2	6	.579	67.90
LTP-437	6-1/2	.366	41.98
LTP-439	7	.366	45.16
LTP-441	7-1/2	.366	49.36
LTP-445	8-1/2	.366	75.54
LTP-448	10	.366	96.22
LTP-452	12	.366	133.69
LTP-452-2	12	.579	159.48



[SEAL INFORMATION]

TP



Designed to install into standard O-ring grooves, T-seals combine a resilient rubber expander with a hard, split nylon backup ring on each side. They resist spiral failure and offer improved extrusion resistance to higher pressures than standard O-rings.

MATERIALBUNA-N RUBBER EXPANDER/
NYLON BACK-UPS**TEMPERATURE RANGE**

-35° TO +250° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER	BORE DIAMETER	O-RING GROOVE DASH NUMBER	LIST PRICE	PART NUMBER	BORE DIAMETER	O-RING GROOVE DASH NUMBER	LIST PRICE
TP-204	5/8	-204	\$ 3.90	TP-343	4-1/8	-343	\$ 15.07
TP-205	11/16	-205	4.37	TP-344	4-1/4	-344	15.08
TP-206	3/4	-206	4.37	TP-345	4-3/8	-345	15.96
TP-207	13/16	-207	4.51	TP-346	4-1/2	-346	16.27
TP-208	7/8	-208	5.39	TP-347	4-5/8	-347	19.30
TP-209	15/16	-209	4.59	TP-348	4-3/4	-348	22.72
TP-210	1	-210	5.98	TP-349	4-7/8	-349	22.84
TP-211	1-1/16	-211	6.47	TP-350	5	-350	23.74
TP-212	1-1/8	-212	3.84	TP-426	5-1/8	-426	28.39
TP-213	1-3/16	-213	6.57	TP-427	5-1/4	-427	26.01
TP-214	1-1/4	-214	4.63	TP-428	5-3/8	-428	27.28
TP-215	1-5/16	-215	4.58	TP-429	5-1/2	-429	28.49
TP-216	1-3/8	-216	4.64	TP-430	5-5/8	-430	28.93
TP-217	1-7/16	-217	4.72	TP-431	5-3/4	-431	29.16
TP-218	1-1/2	-218	4.88	TP-432	5-7/8	-432	29.89
TP-219	1-9/16	-219	5.87	TP-433	6	-433	31.50
TP-220	1-5/8	-220	5.99	TP-434	6-1/8	-434	36.59
TP-221	1-11/16	-221	10.05	TP-435	6-1/4	-435	32.41
TP-222	1-3/4	-222	5.37	TP-436	6-3/8	-436	38.04
TP-325	1-7/8	-325	5.94	TP-437	6-1/2	-437	32.48
TP-326	2	-326	5.60	TP-438	6-3/4	-438	39.84
TP-327	2-1/8	-327	5.87	TP-439	7	-439	37.69
TP-328	2-1/4	-328	6.23	TP-440	7-1/4	-440	42.04
TP-329	2-3/8	-329	6.56	TP-441	7-1/2	-441	41.21
TP-330	2-1/2	-330	6.93	TP-442	7-3/4	-442	46.00
TP-331	2-5/8	-331	7.51	TP-443	8	-443	48.02
TP-332	2-3/4	-332	7.59	TP-444	8-1/4	-444	51.29
TP-333	2-7/8	-333	7.88	TP-445	8-1/2	-445	63.91
TP-334	3	-334	8.17	TP-446	9	-446	60.54
TP-335	3-1/8	-335	8.52	TP-447	9-1/2	-447	68.72
TP-336	3-1/4	-336	9.48	TP-448	10	-448	70.02
TP-338	3-1/2	-338	10.40	TP-449	10-1/2	-449	82.75
TP-339	3-5/8	-339	11.31	TP-450	11	-450	91.87
TP-340	3-3/4	-340	11.75	TP-451	11-1/2	-451	105.01
TP-341	3-7/8	-341	15.78	TP-452	12	-452	99.63
TP-342	4	-342	13.10				

[SEAL INFORMATION]

TP-1
TP-2



MATERIAL

BUNA-N RUBBER
EXPANDER/NYLON BACK-UPS

TEMPERATURE RANGE

-35° TO +250° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (O-Ring Sz) (1/2)

T-SEAL GROOVE DIMENSIONS

O-RING SERIES	GROOVE DEPTH	GROOVE WIDTH		
		STD.	-1	-2
-100	.093 ref.	.150	.183	.245
-200	.122 ref.	.183	.235	.304
-300	.187 ref.	.280	.334	.424
-400	.240 ref.	.366	.475	.579

These wider base T-Seals are designed to replace standard O-rings and backups in MIL-5514F glands only. The intermediate base (designated "-1") retrofits a 1 O-ring / 1 Back-up gland while the wide base (designated "-2") retrofits a 1 O-ring / 2 Back-up gland.

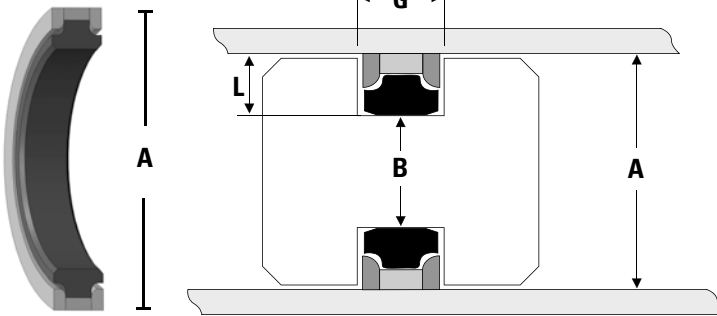
PART NUMBER	BORE DIAMETER	SEAL BASE WIDTH	GROOVE WIDTH	LIST PRICE
TP-218-1	1-1/2	.215	.235	\$ 11.41
TP-218-2	1-1/2	.270	.304	10.28
TP-222-1	1-3/4	.215	.235	14.47
TP-222-2	1-3/4	.270	.304	15.99
TP-326-1	2	.312	.334	14.60
TP-326-2	2	.405	.424	16.69
TP-328-1	2-1/4	.312	.334	15.43
TP-328-2	2-1/4	.405	.424	16.37
TP-330-1	2-1/2	.312	.334	15.82
TP-330-2	2-1/2	.405	.424	17.28
TP-333-2	2-7/8	.405	.424	23.59
TP-334-1	3	.312	.334	25.27
TP-334-2	3	.405	.424	26.57
TP-338-1	3-1/2	.312	.334	26.35
TP-342-1	4	.312	.334	62.54
TP-342-2	4	.405	.424	33.89
TP-344-2	4-1/4	.405	.424	39.71
TP-346-1	4-1/2	.312	.334	50.52
TP-346-2	4-1/2	.405	.424	40.66
TP-347-1	4-5/8	.312	.334	48.34
TP-348-2	4-3/4	.405	.424	49.36
TP-350-2	5	.405	.424	52.66
TP-425-1	5	.450	.475	57.79

PART NUMBER	BORE DIAMETER	SEAL BASE WIDTH	GROOVE WIDTH	LIST PRICE
TP-425-2	5	.550	.579	\$ 71.05
TP-427-2	5-1/4	.550	.579	57.94
TP-429-1	5-1/2	.450	.475	58.50
TP-429-2	5-1/2	.550	.579	70.43
TP-433-1	6	.450	.475	66.98
TP-433-2	6	.550	.579	74.49
TP-435-1	6-1/4	.450	.475	76.13
TP-435-2	6-1/4	.550	.579	83.56
TP-437-1	6-1/2	.450	.475	80.87
TP-437-2	6-1/2	.550	.579	84.60
TP-439-1	7	.450	.475	78.80
TP-439-2	7	.550	.579	90.33
TP-441-2	7-1/2	.550	.579	99.06
TP-443-2	8	.550	.579	105.91
TP-444-1	8-1/4	.450	.475	97.83
TP-446-1	9	.450	.475	139.35
TP-446-2	9	.550	.579	159.27
TP-448-1	10	.450	.475	163.63
TP-450-1	11	.450	.475	156.58
TP-452-1	12	.450	.475	182.07
TP-454-1	13	.450	.475	197.53
TP-456-1	14	.450	.475	217.95



[SEAL INFORMATION]

CTS

**MATERIAL**

GLASS FILLED OR BRONZE

PTFE CAP NYLON BACK-UP
NITRILE ENERGIZER**TEMPERATURE RANGE**

-40° TO +220° F

PRESSURE RANGE

0 TO 6,000 PSI

PART NUMBER

(Prefix) - (C/S) (Bore Dia.)

"BR" = BRONZE PTFE CAP

A double-acting piston seal assembly, the Capped T Piston seal has excellent extrusion resistance, low friction, and stability under high pressures. These high performance seals are extremely durable and are designed specifically for heavy duty applications.

Note: "BR" signifies bronze filled cap. Call for availability on "Locking" Capped T-Seals and oversized bore diameters.

PART NUMBER	A BORE DIA.	B GROOVE DIA.	G GROOVE WIDTH	L GROOVE DEPTH	LIST PRICE
CTS-301500	1.500	1.125	.424	.187	\$ 44.01
CTS-301500-BR	1.500	1.125	.424	.187	48.43
CTS-301750	1.750	1.375	.424	.187	44.66
CTS-301750-BR	1.750	1.375	.424	.187	46.38
CTS-302000	2.000	1.625	.424	.187	46.68
CTS-302000-BR	2.000	1.625	.424	.187	49.61
CTS-302375-BR	2.375	2.000	.424	.187	60.94
CTS-N-02500	2.500	1.942	.295	.279	53.17
CTS-302500	2.500	2.125	.424	.187	46.18
CTS-302500-BR	2.500	2.125	.424	.187	51.86
CTS-N-02750	2.750	2.192	.424	.279	55.98
CTS-302750	2.750	2.375	.424	.187	50.04
CTS-302750-BR	2.750	2.375	.424	.187	60.18
CTS-N-03000	3.000	2.420	.424	.295	67.26
CTS-403000	3.000	2.520	.579	.240	62.85
CTS-403000-BR	3.000	2.520	.579	.240	68.37
CTS-N-03250	3.250	2.692	.424	.279	79.35
CTS-403250	3.250	2.770	.579	.240	66.38
CTS-403250-BR	3.250	2.770	.579	.240	71.85
CTS-N-03500	3.500	2.942	.424	.279	87.12
CTS-403500	3.500	3.020	.579	.240	68.00
CTS-403500-BR	3.500	3.020	.579	.240	71.02
CTS-N-03750	3.750	2.942	.424	.279	91.46
CTS-403750	3.750	3.270	.579	.240	69.92
CTS-N-04000	4.000	3.442	.424	.279	69.66
CTS-404000	4.000	3.520	.579	.240	72.29
CTS-404000-BR	4.000	3.520	.579	.240	77.15
CTS-N-04250	4.250	3.692	.424	.279	91.29
CTS-404250	4.250	3.770	.579	.240	67.47
CTS-N-04500	4.500	3.942	.424	.279	96.02
CTS-404500	4.500	4.020	.579	.240	75.38
CTS-404500-BR	4.500	4.020	.579	.240	79.49
CTS-404750	4.750	4.270	.579	.240	78.14
CTS-404750-BR	4.750	4.270	.579	.240	84.04



CAPPED T PISTON SEALS

115

T-SEALS

*ITEMS OVER 10 INCHES IN DIAMETER ARE AVAILABLE ON SPECIAL ORDER ONLY—MINIMUMS APPLY.

PART NUMBER	A BORE DIA.	B GROOVE DIA.	G GROOVE WIDTH	L GROOVE DEPTH	LIST PRICE
CTS-N-05000	5.000	4.442	.424	.279	\$ 103.29
CTS-405000	5.000	4.520	.579	.240	80.18
CTS-405000-BR	5.000	4.520	.579	.240	87.21
CTS-605000	5.000	4.270	.750	.365	91.53
CTS-605000-BR	5.000	4.270	.750	.365	97.53
CTS-605250	5.250	4.520	.750	.365	94.90
CTS-605250-BR	5.250	4.520	.750	.365	107.21
CTS-405500	5.500	5.020	.579	.240	96.14
CTS-405500-BR	5.500	5.020	.579	.240	102.17
CTS-605500	5.500	4.770	.750	.365	102.03
CTS-605500-BR	5.500	4.770	.750	.365	108.44
CTS-406000	6.000	5.520	.579	.240	104.82
CTS-406000-BR	6.000	5.520	.579	.240	114.22
CTS-606000	6.000	5.270	.750	.365	108.72
CTS-606000-BR	6.000	5.270	.750	.365	115.89
CTS-606250	6.250	5.520	.750	.365	110.05
CTS-606250-BR	6.250	5.520	.750	.365	116.25
CTS-406500	6.500	6.020	.579	.240	110.33
CTS-406500-BR	6.500	6.020	.579	.240	120.35
CTS-606500	6.500	5.770	.750	.365	113.73
CTS-606500-BR	6.500	5.770	.750	.365	125.08
CTS-607000	7.000	6.270	.750	.365	119.11
CTS-607000-BR	7.000	6.270	.750	.365	133.21
CTS-607250	7.250	6.520	.750	.365	123.20
CTS-607250-BR	7.250	6.520	.750	.365	135.41
CTS-607500	7.500	6.770	.750	.365	126.67
CTS-607500-BR	7.500	6.770	.750	.365	141.95
CTS-608000	8.000	7.270	.750	.365	130.99
CTS-608000-BR	8.000	7.270	.750	.365	148.28
CTS-608500	8.500	7.770	.750	.365	135.38
CTS-608500-BR	8.500	7.770	.750	.365	155.47
CTS-609000	9.000	8.270	.750	.365	146.41
CTS-609000-BR	9.000	8.270	.750	.365	162.39
CTS-609500	9.500	8.770	.750	.365	154.20
CTS-609500-BR	9.500	8.770	.750	.365	174.93
CTS-610000	10.000	9.270	.750	.365	170.25
CTS-610000-BR	10.000	9.270	.750	.365	181.68
CTS-610500-BR*	10.500	9.770	.750	.365	218.52
CTS-611000*	11.000	10.270	.750	.365	185.26
CTS-611000-BR*	11.000	10.270	.750	.365	220.91
CTS-611500*	11.500	10.770	.750	.365	198.79
CTS-611500-BR*	11.500	10.770	.750	.365	243.56
CTS-612000*	12.000	11.270	.750	.365	211.26
CTS-612000-BR*	12.000	11.270	.750	.365	239.22
CTS-612500-BR*	12.500	11.770	.750	.365	254.92
CTS-613000*	13.000	12.270	.750	.365	238.00
CTS-613000-BR*	13.000	12.270	.750	.365	276.07
CTS-613500-BR*	13.500	12.770	.750	.365	298.40
CTS-614000*	14.000	13.270	.750	.365	253.48
CTS-614000-BR*	14.000	13.270	.750	.365	314.53
CTS-615000-BR*	15.000	14.270	.750	.365	421.77
CTS-616000-BR*	16.000	15.270	.750	.365	484.32



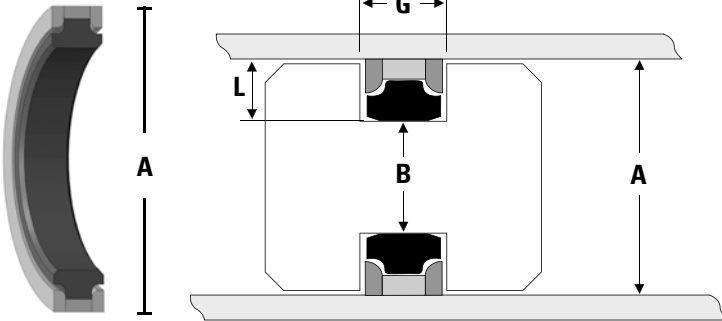
INCH

REPLACEMENT CAPPED PISTON T-SEALS FOR CATERPILLAR® EQUIPMENT*

T-SEALS

[SEAL INFORMATION]

CTC

**MATERIAL**

15% GLASS-FILLED PTFE CAP
NITRILE RUBBER SEAL
NYLON BACK-UPS

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 6,000 PSI

PART NUMBER	A BORE DIAMETER	B GROOVE DIAMETER	G GROOVE WIDTH	LIST PRICE
CTC-8J3747	4.500	3.830	0.500	\$ 86.99
CTC-9J7868	5.000	4.220	0.640	120.26
CTC-8J8767	5.500	4.720	0.640	119.26
CTC-9J1242	6.000	5.090	0.640	124.62
CTC-9J5558	6.250	5.340	0.640	127.29
CTC-8J8703	6.500	5.590	0.640	140.42
CTC-8J3749	7.000	6.090	0.640	144.81
CTC-8J4510	7.250	6.340	0.640	149.52
CTC-9J5567	7.500	6.590	0.640	151.62
CTC-8J5644	7.750	6.840	0.640	157.98
CTC-8J4390	8.250	7.250	0.640	168.51
CTC-3G4762	8.500	7.500	0.640	176.75
CTC-9J3406	10.000	8.880	0.690	209.69
CTC-3G0889	10.250	9.130	0.690	218.46
CTC-3G4765	10.500	9.380	0.690	226.47
CTC-9J2987	11.500	10.380	0.690	257.78

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.

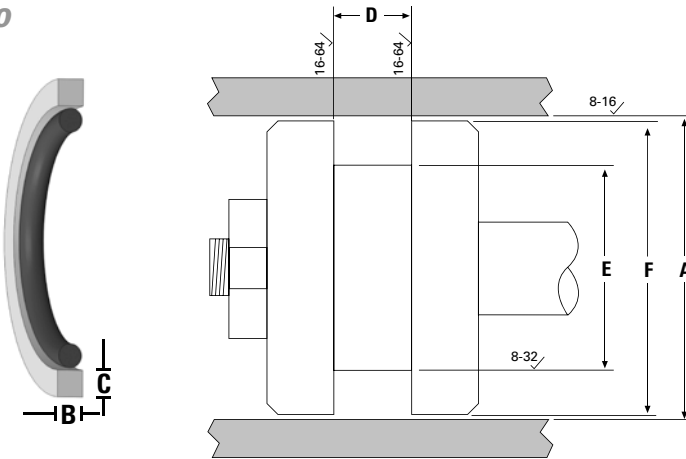
NOTE: *Caterpillar® part numbers are used as a reference only. We do not imply that these parts are original equipment parts.



INCH

[SEAL INFORMATION]

PS1400



MATERIAL	15% GLASS FILLED PTFE SEAL RUBBER ENERGIZER
TEMPERATURE RANGE	-40° TO +220° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Piston Seal) (Type of Seal)-(Size)

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

PART NUMBER	A BORE DIAMETER TOL. ±0.002	B & C SEAL HEIGHT & CROSS SECTION	D GROOVE WIDTH TOL. ±0.002	E GROOVE DIA. TOL. ±0.002	F PISTON DIA. TOL. ±0.001	LIST PRICE
PS1400-16	1.000	0.070 ±0.005	0.083	0.740	0.997	\$ 3.98
PS1400-18	1.125	0.070 ±0.005	0.083	0.865	1.122	5.36
PS1400-20	1.250	0.070 ±0.005	0.083	0.990	1.247	4.41
PS1400-22	1.375	0.070 ±0.005	0.083	1.115	1.372	7.46
PS1400-24	1.500	0.070 ±0.005	0.083	1.240	1.497	4.60
PS1400-26	1.625	0.109 ±0.010	0.122	1.233	1.622	4.68
PS1400-28	1.750	0.109 ±0.010	0.122	1.358	1.747	4.80
PS1400-30	1.875	0.109 ±0.010	0.122	1.483	1.872	9.35
PS1400-32	2.000	0.115 ±0.010	0.129	1.608	1.996	4.97
PS1400-34	2.125	0.115 ±0.010	0.129	1.733	2.121	9.35
PS1400-36	2.250	0.115 ±0.010	0.129	1.858	2.246	5.16
PS1400-38	2.375	0.115 ±0.010	0.129	1.983	2.371	5.22
PS1400-40	2.500	0.115 ±0.010	0.129	2.108	2.496	5.23
PS1400-44	2.750	0.115 ±0.010	0.129	2.358	2.746	5.29
PS1400-48	3.000	0.115 ±0.010	0.129	2.608	2.996	5.42
PS1400-50	3.125	0.115 ±0.010	0.129	2.733	3.121	19.79
PS1400-52	3.250	0.115 ±0.010	0.129	2.858	3.246	5.53
PS1400-54	3.375	0.115 ±0.010	0.129	2.983	3.371	10.22
PS1400-56	3.500	0.115 ±0.010	0.129	3.108	3.496	5.66
PS1400-58	3.625	0.115 ±0.010	0.129	3.233	3.621	19.08
PS1400-60	3.750	0.115 ±0.010	0.129	3.358	3.746	6.16
PS1400-64	4.000	0.115 ±0.010	0.129	3.608	3.996	6.25
PS1400-68	4.250	0.115 ±0.010	0.129	3.858	4.246	6.37
PS1400-70.4	4.400	0.115 ±0.010	0.129	4.008	4.396	20.36
PS1400-72	4.500	0.115 ±0.010	0.129	4.108	4.496	7.01



PART NUMBER	A BORE DIAMETER TOL. ± 0.002	B & C SEAL HEIGHT & CROSS SECTION	D GROOVE WIDTH TOL. ± 0.002	E GROOVE DIA. TOL. ± 0.002	F PISTON DIA. TOL. ± 0.001	LIST PRICE
PS1400-76	4.750	0.115 ± 0.010	0.129	4.358	4.746	\$ 10.87
PS1400-78	4.875	0.115 ± 0.010	0.129	4.483	4.871	20.54
PS1400-80	5.000	0.115 ± 0.010	0.129	4.608	4.996	7.79
PS1400-84	5.250	0.115 ± 0.010	0.129	4.858	5.246	8.35
PS1400-88	5.500	0.115 ± 0.010	0.129	5.108	5.496	8.58
PS1400-92	5.750	0.143 ± 0.010	0.159	5.232	5.746	9.14
PS1400-94	5.875	0.143 ± 0.010	0.159	5.357	5.871	23.35
PS1400-96	6.000	0.143 ± 0.010	0.159	5.482	5.996	9.62
PS1400-98	6.125	0.143 ± 0.010	0.159	5.607	6.121	20.48
PS1400-100	6.250	0.143 ± 0.010	0.159	5.732	6.246	10.23
PS1400-104	6.500	0.143 ± 0.010	0.159	5.982	6.496	12.16
PS1400-112	7.000	0.143 ± 0.010	0.159	6.482	6.996	12.52
PS1400-116	7.250	0.143 ± 0.010	0.159	6.732	7.246	12.52
PS1400-120	7.500	0.143 ± 0.010	0.159	6.982	7.496	12.53
PS1400-128	8.000	0.143 ± 0.010	0.159	7.482	7.996	12.70
PS1400-130	8.125	0.143 ± 0.010	0.159	7.607	8.121	28.06
PS1400-132	8.250	0.143 ± 0.010	0.159	7.732	8.246	30.79
PS1400-136	8.500	0.143 ± 0.010	0.159	7.982	8.496	35.93
PS1400-144	9.000	0.143 ± 0.010	0.159	8.482	8.996	37.75
PS1400-152	9.500	0.143 ± 0.010	0.159	8.982	9.496	48.67
PS1400-160	10.000	0.143 ± 0.010	0.159	9.482	9.996	53.33
PS1400-168	10.500	0.143 ± 0.010	0.159	9.982	10.496	68.15
PS1400-176	11.000	0.143 ± 0.010	0.159	10.482	10.996	73.78
PS1400-184	11.500	0.143 ± 0.010	0.159	10.982	11.496	75.60
PS1400-192	12.000	0.143 ± 0.010	0.159	11.482	11.996	71.86
PS1400-200	12.500	0.143 ± 0.010	0.159	11.982	12.496	82.56
PS1400-208	13.000	0.143 ± 0.010	0.159	12.482	12.996	100.90
PS1400-224	14.000	0.143 ± 0.010	0.159	13.482	13.996	122.38

INSTALLATION OF PTFE PISTON SEALS

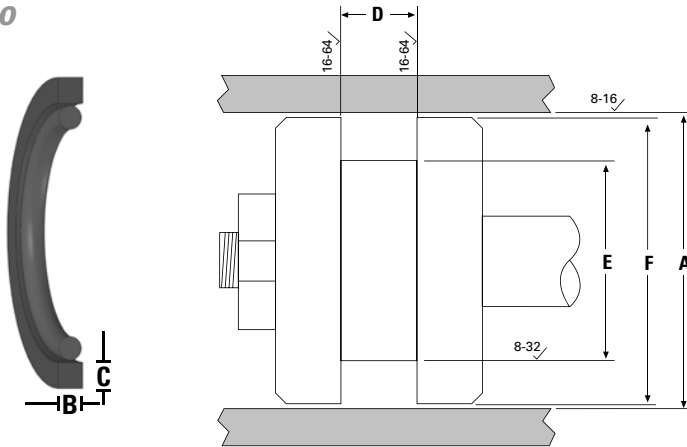
Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications. Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, 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 INFORMATION]

PS1500



MATERIAL

POLYURETHANE SEAL
RUBBER ENERGIZER

TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Piston Seal) (Type of Seal)-(Size)

Completely interchangeable with PS1400 PTFE piston seals, PS1500 piston seals are molded from tough 60 shore D durometer polyurethane. During the molding process, a .002" thick band of molybdenum 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 "F" dimensions are given for pistons without wear rings.

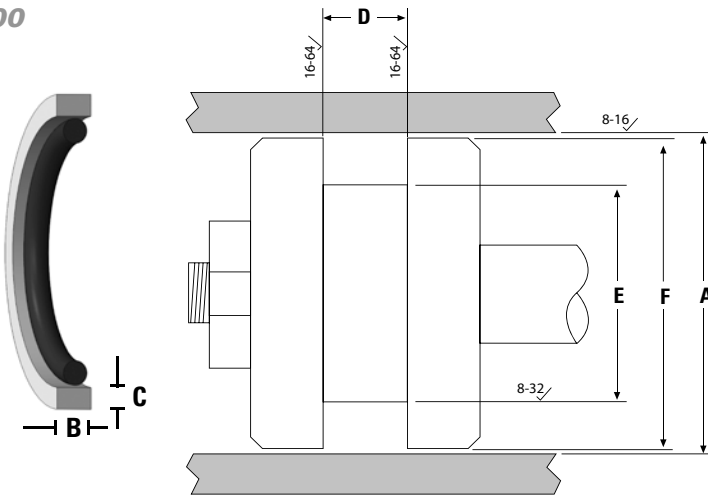
PART NUMBER	A BORE DIAMETER TOL. ±0.002	B & C SEAL HEIGHT & CROSS SECTION	D GROOVE WIDTH TOL. ±0.002	E GROOVE DIA. TOL. ±0.002	F PISTON DIA. TOL. ±0.001	LIST PRICE
PS1500-24	1.500	0.07 ±0.005	0.083	1.240	1.497	\$ 3.99
PS1500-28	1.750	0.109 ±0.005	0.122	1.358	1.747	4.15
PS1500-32	2.000	0.115 ±0.006	0.129	1.608	1.996	4.32
PS1500-36	2.250	0.115 ±0.006	0.129	1.858	2.246	4.43
PS1500-38	2.375	0.115 ±0.006	0.129	1.983	2.371	4.45
PS1500-40	2.500	0.115 ±0.006	0.129	2.108	2.496	4.48
PS1500-44	2.750	0.115 ±0.006	0.129	2.358	2.746	4.56
PS1500-48	3.000	0.115 ±0.006	0.129	2.608	2.996	4.67
PS1500-52	3.250	0.115 ±0.006	0.129	2.858	3.246	4.78
PS1500-56	3.500	0.115 ±0.006	0.129	3.108	3.496	4.91
PS1500-60	3.750	0.115 ±0.006	0.129	3.358	3.746	5.02
PS1500-64	4.000	0.115 ±0.006	0.129	3.608	3.996	5.35
PS1500-68	4.250	0.115 ±0.006	0.129	3.858	4.246	5.52
PS1500-72	4.500	0.115 ±0.006	0.129	4.108	4.496	6.09
PS1500-76	4.750	0.115 ±0.006	0.129	4.358	4.746	6.28
PS1500-80	5.000	0.115 ±0.006	0.129	4.608	4.996	6.72
PS1500-84	5.250	0.115 ±0.006	0.129	4.858	5.246	7.16
PS1500-88	5.500	0.115 ±0.006	0.129	5.108	5.496	7.53
PS1500-92	5.750	0.143 ±0.007	0.159	5.232	5.746	8.33
PS1500-96	6.000	0.143 ±0.007	0.159	5.482	5.996	10.67
PS1500-104	6.500	0.143 ±0.007	0.159	5.982	6.496	11.22
PS1500-112	7.000	0.143 ±0.007	0.159	6.482	6.996	11.85
PS1500-136	8.500	0.143 ±0.007	0.159	7.982	8.494	13.46



INCH

[SEAL INFORMATION]

PS1600

**MATERIAL**15% GLASS FILLED PTFE SEAL
RUBBER ENERGIZER**TEMPERATURE RANGE**

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

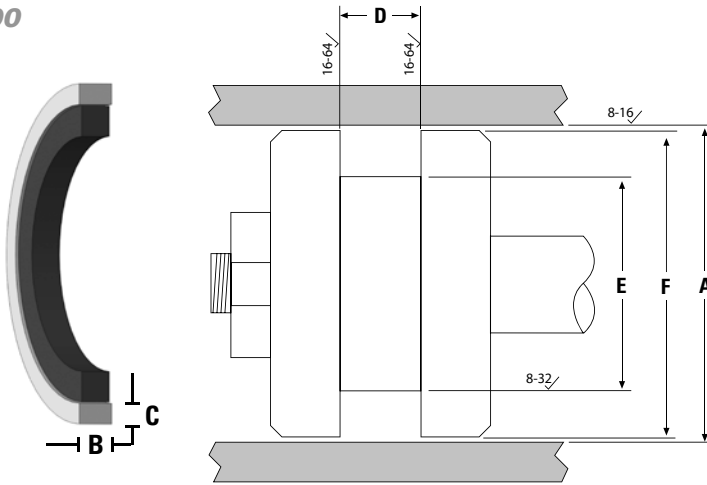
(Piston Seal) (Type of Seal)-(Size)

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

PART NUMBER	A BORE DIA. TOL. ±0.001	B SEAL HEIGHT TOL. ±0.005/-0	C CROSS SECTION TOL. ±0.005/-0	D GROOVE WIDTH TOL. ±0.003/-0	E GROOVE DIA. TOL. ±0.003	F PISTON DIAMETER	LIST PRICE
PS1600-16	1.000	0.088	0.055	0.094	0.787	0.999+0/-0.003	\$ 5.78
PS1600-18	1.125	0.088	0.055	0.094	0.912	1.124+0/-0.003	5.91
PS1600-20	1.250	0.088	0.055	0.094	1.037	1.249+0/-0.003	6.07
PS1600-22	1.375	0.088	0.055	0.094	1.162	1.374+0/-0.003	6.17
PS1600-24	1.500	0.088	0.055	0.094	1.287	1.499+0/-0.003	6.35
PS1600-26	1.625	0.088	0.055	0.094	1.412	1.624+0/-0.003	6.56
PS1600-28	1.750	0.088	0.055	0.094	1.537	1.749+0/-0.003	7.16
PS1600-30	1.875	0.120	0.060	0.126	1.598	1.874+0/-0.003	7.39
PS1600-32	2.000	0.120	0.060	0.126	1.723	1.999+0/-0.003	7.99
PS1600-36	2.250	0.120	0.060	0.126	1.937	2.249+0/-0.003	8.50
PS1600-38	2.375	0.120	0.060	0.126	2.098	2.374+0/-0.003	8.89
PS1600-40	2.500	0.120	0.060	0.126	2.223	2.499+0/-0.003	8.89
PS1600-44	2.750	0.150	0.090	0.157	2.348	2.749+0/-0.004	10.64
PS1600-48	3.000	0.150	0.090	0.157	2.603	2.999+0/-0.004	13.68
PS1600-52	3.250	0.150	0.090	0.157	2.853	3.249+0/-0.004	14.45
PS1600-56	3.500	0.150	0.090	0.157	3.103	3.499+0/-0.004	14.86
PS1600-60	3.750	0.150	0.090	0.157	3.353	3.749+0/-0.004	14.95
PS1600-64	4.000	0.150	0.090	0.157	3.603	3.999+0/-0.004	15.27
PS1600-68	4.250	0.150	0.090	0.157	3.853	4.249+0/-0.004	15.22
PS1600-72	4.500	0.150	0.090	0.157	4.103	4.499+0/-0.004	15.86
PS1600-76	4.750	0.150	0.090	0.157	4.353	4.749+0/-0.004	18.79
PS1600-80	5.000	0.150	0.090	0.157	4.603	4.999+0/-0.004	19.14
PS1600-84	5.250	0.150	0.090	0.157	4.853	5.249+0/-0.004	20.43
PS1600-88	5.500	0.150	0.090	0.157	5.103	5.499+0/-0.004	21.67
PS1600-92	5.750	0.150	0.090	0.157	5.353	5.749+0/-0.004	26.50
PS1600-96	6.000	0.287	0.120	0.293	5.305	5.999+0/-0.005	30.08
PS1600-112	7.000	0.287	0.120	0.293	6.305	6.999+0/-0.005	48.79

[SEAL INFORMATION]

PS1800



MATERIAL

15% GLASS FILLED PTFE SEAL
RUBBER ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Piston Seal) (Type of Seal)-(Size)

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 "F" dimensions are given for pistons without wear rings.

PART NUMBER	A BORE DIA. TOL. ±0.002	B SEAL HEIGHT	C CROSS SECTION	D GROOVE WIDTH TOL. ±0.002	E GROOVE DIA. TOL. ±0.002	F PISTON DIA. TOL. ±0.001	LIST PRICE
PS1800-16	1.000	0.116-0.121	0.067-0.073	0.129	0.690	0.999+0/-0.005	\$ 5.90
PS1800-20	1.250	0.116-0.121	0.067-0.073	0.129	0.940	1.249+0/-0.005	7.20
PS1800-24	1.500	0.116-0.121	0.067-0.073	0.129	1.190	1.499+0/-0.005	6.19
PS1800-28	1.750	0.116-0.121	0.067-0.073	0.129	1.440	1.749+0/-0.005	6.81
PS1800-32	2.000	0.116-0.121	0.067-0.073	0.129	1.690	1.999+0/-0.005	8.29
PS1800-36	2.250	0.116-0.121	0.067-0.073	0.129	1.940	2.249+0/-0.005	9.25
PS1800-40	2.500	0.116-0.121	0.067-0.073	0.129	2.190	2.499+0/-0.005	9.35
PS1800-44	2.750	0.116-0.121	0.067-0.073	0.129	2.440	2.749+0/-0.005	11.24
PS1800-44A	2.750	0.269-0.274	0.087-0.093	0.284	2.190	2.749+0/-0.005	20.82
PS1800-48	3.000	0.269-0.274	0.087-0.093	0.284	2.440	2.999+0/-0.006	12.04
PS1800-52	3.250	0.269-0.274	0.087-0.093	0.284	2.690	3.249+0/-0.006	14.29
PS1800-56	3.500	0.269-0.274	0.087-0.093	0.284	2.940	3.499+0/-0.006	15.76
PS1800-60	3.750	0.269-0.274	0.087-0.093	0.284	3.190	3.749+0/-0.006	17.92
PS1800-64	4.000	0.269-0.274	0.087-0.093	0.284	3.440	3.999+0/-0.006	19.90
PS1800-68	4.250	0.269-0.274	0.087-0.093	0.284	3.690	4.249+0/-0.006	22.98
PS1800-72	4.500	0.269-0.274	0.087-0.093	0.284	3.940	4.499+0/-0.006	24.14
PS1800-74	4.625	0.269-0.274	0.087-0.093	0.284	4.078	4.624+0/-0.007	24.67
PS1800-76	4.750	0.269-0.274	0.087-0.093	0.284	4.190	4.749+0/-0.006	24.87
PS1800-80	5.000	0.269-0.274	0.087-0.093	0.284	4.440	4.999+0/-0.006	26.04
PS1800-84	5.250	0.362-0.367	0.137-0.147	0.379	4.488	5.249+0/-0.007	30.68
PS1800-88	5.500	0.362-0.367	0.137-0.147	0.379	4.738	5.499+0/-0.007	34.30
PS1800-90	5.625	0.362-0.367	0.137-0.147	0.379	4.863	5.624+0/-0.007	35.92
PS1800-92	5.750	0.362-0.367	0.137-0.147	0.379	4.988	5.749+0/-0.007	37.04
PS1800-96	6.000	0.362-0.367	0.137-0.147	0.379	5.238	5.999+0/-0.007	39.79



PART NUMBER	A BORE DIA. TOL. ±0.002	B SEAL HEIGHT	C CROSS SECTION	D GROOVE WIDTH TOL. ±0.002	E GROOVE DIA. TOL. ±0.002	F PISTON DIA. TOL. ±0.001	LIST PRICE
PS1800-100	6.250	0.362-0.367	0.137-0.147	0.379	5.488	6.249+0/-0.007	\$ 40.15
PS1800-104	6.500	0.362-0.367	0.137-0.147	0.379	5.738	6.499+0/-0.007	40.15
PS1800-112	7.000	0.362-0.367	0.137-0.147	0.379	6.238	6.999+0/-0.007	40.89
PS1800-116	7.250	0.362-0.367	0.137-0.147	0.379	6.488	7.249+0/-0.007	44.41
PS1800-120	7.500	0.362-0.367	0.137-0.147	0.379	6.738	7.499+0/-0.007	41.01
PS1800-128	8.000	0.362-0.367	0.137-0.147	0.379	7.238	7.999+0/-0.007	40.58
PS1800-132	8.250	0.362-0.367	0.137-0.147	0.379	7.488	8.249+0/-0.007	43.22
PS1800-136	8.500	0.362-0.367	0.137-0.147	0.379	7.738	8.499+0/-0.007	45.90
PS1800-144	9.000	0.362-0.367	0.195-0.210	0.379	8.122	8.999+0/-0.008	54.28
PS1800-152	9.500	0.362-0.367	0.195-0.210	0.379	8.622	9.499+0/-0.008	70.89
PS1800-160	10.000	0.362-0.367	0.195-0.210	0.379	9.122	9.999+0/-0.008	86.27
PS1800-168	10.500	0.362-0.367	0.195-0.210	0.379	9.622	10.499+0/-0.008	109.43
PS1800-176	11.000	0.362-0.367	0.195-0.210	0.379	10.122	10.999+0/-0.008	119.50
PS1800-192	12.000	0.362-0.367	0.195-0.210	0.379	11.122	11.999+0/-0.008	127.64
PS1800-208	13.000	0.362-0.367	0.195-0.210	0.379	12.122	12.999+0/-0.008	134.48
PS1800-224	14.000	0.362-0.367	0.195-0.210	0.379	13.122	13.999+0/-0.008	139.15

INSTALLATION OF PTFE PISTON SEALS

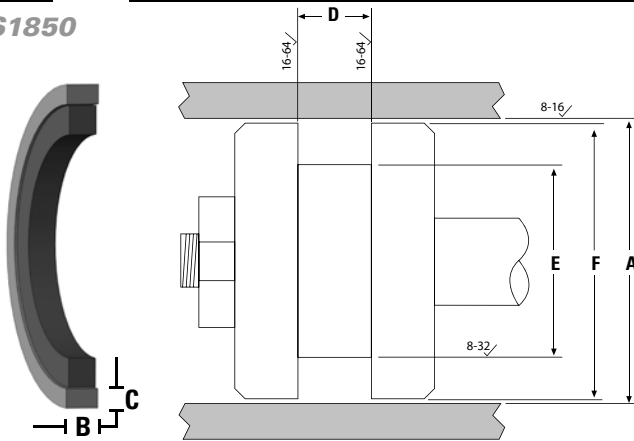
Installing PTFE piston seals is not always an easy task. The use of installation tools is recommended but often not convenient when working with a wide variety of sizes and applications. Finger installations are practical with rings of smaller cross-sections. Using fingers or a rounded plastic stick, 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 INFORMATION]

PS1850



MATERIAL

BRONZE FILLED PTFE SEALS
RUBBER ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

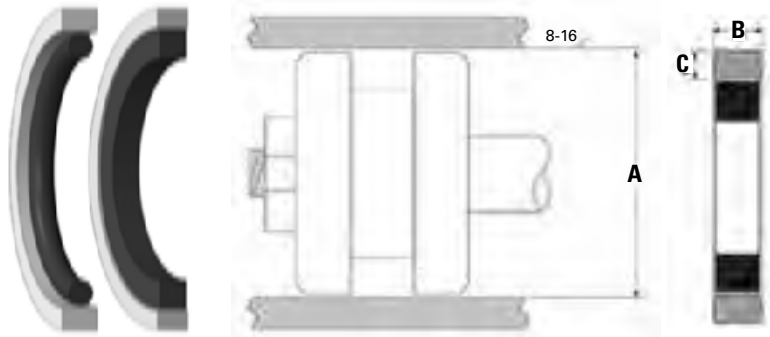
(Piston Seal) (Type of Seal)-(Size)

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

PART NUMBER	A - BORE DIAMETER TOL. ±.002	B SEAL HEIGHT	C SEAL CROSS SECTION	D - GROOVE WIDTH TOL. ±.002	E - GROOVE DIAMETER TOL. ±.004	F PISTON DIAMETER	LIST PRICE
PS1850-16	1.000	0.116-0.121	0.067-0.073	0.129	0.690	0.999+0/-0.005	\$ 8.90
PS1850-20	1.250	0.116-0.121	0.067-0.073	0.129	0.940	1.249+0/-0.005	8.63
PS1850-24	1.500	0.116-0.121	0.067-0.073	0.129	1.190	1.499+0/-0.005	9.03
PS1850-28	1.750	0.116-0.121	0.067-0.073	0.129	1.440	1.749+0/-0.005	9.72
PS1850-32	2.000	0.116-0.121	0.067-0.073	0.129	1.690	1.999+0/-0.005	11.18
PS1850-36	2.250	0.116-0.121	0.067-0.073	0.129	1.940	2.249+0/-0.005	11.45
PS1850-40	2.500	0.116-0.121	0.067-0.073	0.129	2.190	2.499+0/-0.005	12.22
PS1850-44	2.750	0.116-0.121	0.067-0.073	0.129	2.440	2.749+0/-0.005	13.56
PS1850-48	3.000	0.269-0.274	0.087-0.093	0.284	2.440	2.999+0/-0.006	14.51
PS1850-52	3.250	0.269-0.274	0.087-0.093	0.284	2.690	3.249+0/-0.006	17.24
PS1850-56	3.500	0.269-0.274	0.087-0.093	0.284	2.940	3.499+0/-0.006	19.01
PS1850-60	3.750	0.269-0.274	0.087-0.093	0.284	3.190	3.749+0/-0.006	21.58
PS1850-64	4.000	0.269-0.274	0.087-0.093	0.284	3.440	3.999+0/-0.006	23.98
PS1850-68	4.250	0.269-0.274	0.087-0.093	0.284	3.690	4.249+0/-0.006	27.71
PS1850-72	4.500	0.269-0.274	0.087-0.093	0.284	3.940	4.499+0/-0.006	29.08
PS1850-76	4.750	0.269-0.274	0.087-0.093	0.284	4.190	4.749+0/-0.006	29.98
PS1850-80	5.000	0.269-0.274	0.087-0.093	0.284	4.440	4.999+0/-0.006	31.40
PS1850-84	5.250	0.362-0.367	0.137-0.147	0.379	4.488	5.249+0/-0.007	37.00
PS1850-88	5.500	0.362-0.367	0.137-0.147	0.379	4.738	5.499+0/-0.007	41.35
PS1850-92	5.750	0.362-0.367	0.137-0.147	0.379	4.988	5.749+0/-0.007	44.65
PS1850-96	6.000	0.362-0.367	0.137-0.147	0.379	5.238	5.999+0/-0.007	47.97
PS1850-104	6.500	0.362-0.367	0.137-0.147	0.379	5.738	6.499+0/-0.007	48.40
PS1850-112	7.000	0.362-0.367	0.137-0.147	0.379	6.238	6.999+0/-0.007	49.28
PS1850-116	7.250	0.362-0.367	0.137-0.147	0.379	6.488	7.249+0/-0.007	49.35
PS1850-120	7.500	0.362-0.367	0.137-0.147	0.379	6.738	7.499+0/-0.007	49.44
PS1850-124	7.750	0.362-0.367	0.137-0.147	0.379	6.988	7.499+0/-0.007	53.36
PS1850-128	8.000	0.362-0.367	0.137-0.147	0.379	7.238	7.999+0/-0.007	56.41
PS1850-132	8.250	0.362-0.367	0.137-0.147	0.379	7.488	8.249+0/-0.007	60.32
PS1850-136	8.500	0.362-0.367	0.137-0.147	0.379	7.738	8.499+0/-0.007	66.25
PS1850-144	9.000	0.362-0.367	0.195-0.210	0.379	8.122	8.999+0/-0.008	76.16
PS1850-152	9.500	0.362-0.367	0.195-0.210	0.379	8.622	9.499+0/-0.008	96.21
PS1850-160	10.000	0.362-0.367	0.195-0.210	0.379	9.122	9.999+0/-0.008	90.69
PS1850-176	11.000	0.362-0.367	0.195-0.210	0.379	10.122	10.999+0/-0.008	186.87
PS1850-192	12.000	0.362-0.367	0.195-0.210	0.379	11.122	11.999+0/-0.008	193.82
PS1850-208	13.000	0.362-0.367	0.195-0.210	0.379	12.122	12.999+0/-0.008	201.05
PS1850-224	14.000	0.362-0.367	0.195-0.210	0.379	13.122	13.999+0/-0.008	186.56



INCH

[SEAL INFORMATION]**PS1900****MATERIAL**GLASS FILLED PTFE SEAL
RUBBER ENERGIZER**TEMPERATURE RANGE**

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

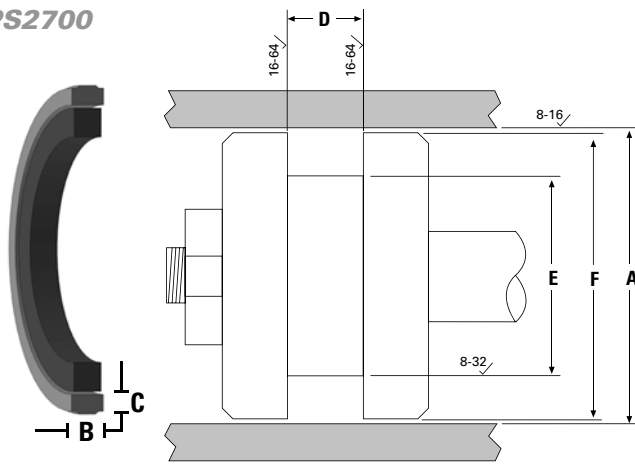
(Piston Seal) (Type of Seal)-(Size)

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 NUMBER	A BORE DIAMETER	B SEAL HEIGHT	C SEAL CROSS SECTION	ENERGIZER RING	LIST PRICE
PS1900-32	2	0.150	0.085	568-130	\$ 18.35
PS1900-40	2-1/2	0.245	0.092	580-329	33.44
PS1900-56	3-1/2	0.370	0.145	580-410-1/2	36.89
PS1900-64	4	0.370	0.145	580-414	41.00
PS1900-64A	4	0.310	0.092	580-341	27.93
PS1900-72	4-1/2	0.370	0.142	568-419	47.75
PS1900-72A	4-1/2	0.310	0.092	580-345	26.13
PS1900-76	4-3/4	0.225	0.160	568-345	74.20
PS1900-80A	5	0.360	0.145	4-11/16 O.D. X 0.265 C/S	40.00

[SEAL INFORMATION]

PS2700



MATERIAL

GLASS/PTFE FILLED POLYESTER SEAL, RUBBER ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Piston Seal) (Type of Seal)-(Size)

This seal, molded from high grade polyester with 5% glass fiber and 5% PTFE, is totally interchangeable with the PS1800 seals. 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 "F" dimensions are given for pistons without wear rings.

PART NUMBER	A - BORE DIAMETER TOL. ±.002	B SEAL HEIGHT	C SEAL CROSS SECTION	D - GROOVE WIDTH TOL. ±.002	E - GROOVE DIAMETER TOL. ±.004	F PISTON DIAMETER	LIST PRICE
PS2700-16	1.000	0.116-0.121	0.067-0.073	0.129	0.690	0.999+0/-0.009	\$ 4.74
PS2700-20	1.250	0.116-0.121	0.067-0.073	0.129	0.940	1.249+0/-0.009	6.59
PS2700-24	1.500	0.116-0.121	0.067-0.073	0.129	1.190	1.499+0/-0.009	4.92
PS2700-28	1.750	0.116-0.121	0.067-0.073	0.129	1.440	1.749+0/-0.009	4.92
PS2700-32	2.000	0.116-0.121	0.067-0.073	0.129	1.690	1.999+0/-0.009	5.32
PS2700-36	2.250	0.116-0.121	0.067-0.073	0.129	1.940	2.249+0/-0.009	5.62
PS2700-40	2.500	0.116-0.121	0.067-0.073	0.129	2.190	2.499+0/-0.009	5.86
PS2700-40A	2.500	0.269-0.274	0.087-0.093	0.284	1.962	2.499+0/-0.009	11.43
PS2700-44	2.750	0.116-0.121	0.067-0.073	0.129	2.440	2.749+0/-0.009	6.02
PS2700-48	3.000	0.269-0.274	0.087-0.093	0.284	2.440	2.999+0/-0.014	7.40
PS2700-52	3.250	0.269-0.274	0.087-0.093	0.284	2.690	3.249+0/-0.014	8.80
PS2700-56	3.500	0.269-0.274	0.087-0.093	0.284	2.940	3.499+0/-0.014	8.91
PS2700-60	3.750	0.269-0.274	0.087-0.093	0.284	3.190	3.749+0/-0.014	9.05
PS2700-64	4.000	0.269-0.274	0.087-0.093	0.284	3.440	3.999+0/-0.014	9.25
PS2700-68	4.250	0.269-0.274	0.087-0.093	0.284	3.690	4.249+0/-0.014	9.31
PS2700-72	4.500	0.269-0.274	0.087-0.093	0.284	3.940	4.499+0/-0.014	9.63
PS2700-76	4.750	0.269-0.274	0.087-0.093	0.284	4.190	4.749+0/-0.014	9.96
PS2700-80	5.000	0.269-0.274	0.087-0.093	0.284	4.440	4.999+0/-0.014	11.44
PS2700-84	5.250	0.362-0.367	0.137-0.147	0.379	4.488	5.249+0/-0.014	15.97
PS2700-88	5.500	0.362-0.367	0.137-0.147	0.379	4.738	5.499+0/-0.014	16.08
PS2700-96	6.000	0.362-0.367	0.137-0.147	0.379	5.238	5.999+0/-0.014	16.82
PS2700-100	6.250	0.362-0.367	0.137-0.147	0.379	5.488	6.249+0/-0.014	17.31
PS2700-104	6.500	0.362-0.367	0.137-0.147	0.379	5.738	6.499+0/-0.014	17.34
PS2700-112	7.000	0.362-0.367	0.137-0.147	0.379	6.238	6.999+0/-0.014	17.61
PS2700-116	7.250	0.362-0.367	0.137-0.147	0.379	6.488	7.249+0/-0.014	18.11
PS2700-128	8.000	0.362-0.367	0.137-0.147	0.379	7.238	7.999+0/-0.014	18.53
PS2700-136	8.500	0.362-0.367	0.137-0.147	0.379	7.738	8.499+0/-0.014	21.09
PS2700-144	9.000	0.362-0.367	0.195-0.210	0.379	8.122	8.999+0/-0.014	43.16
PS2700-160	10.000	0.362-0.367	0.195-0.210	0.379	9.122	9.999+0/-0.014	50.98

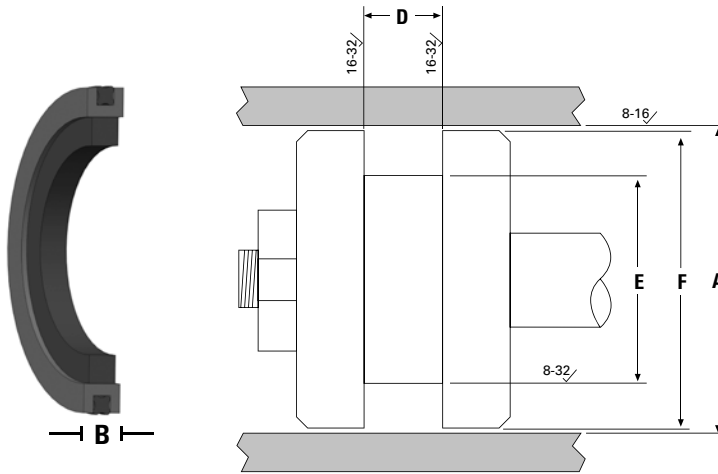


INCH



[SEAL INFORMATION]

GP

**MATERIAL**
 40% BRONZE FILLED PTFE
SEAL, RUBBER ENERGIZER
& QUAD RING
TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Piston Seal) - (CS) (Bore Size)

These piston seals provide bidirectional, 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 "F" dimensions are given for pistons without wear rings.

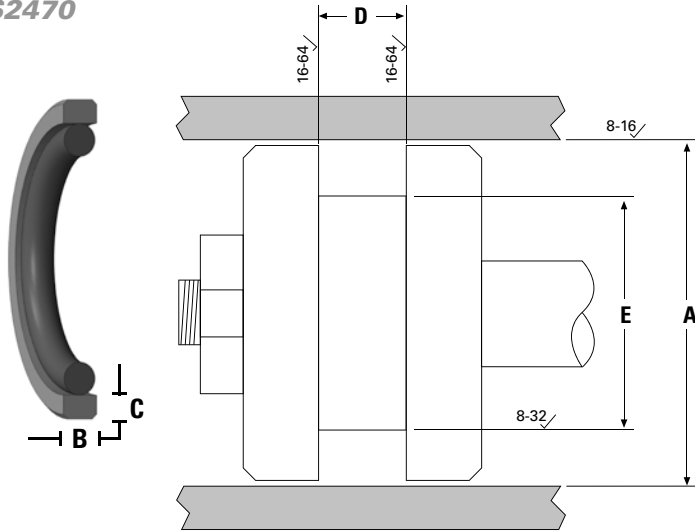
PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH	E GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
GP301500	1.500 +0.004/-0	0.271	0.288/0.293	.884	1.499	\$ 35.04
GP302000	2.000 +0.004/-0	0.271	0.288/0.293	1.384	1.999	45.60
GP302250	2.250 +0.004/-0	0.271	0.288/0.293	1.634	2.249	47.16
GP302500	2.500 +0.004/-0	0.271	0.288/0.293	1.884	2.499	49.69
GP303000	3.000 +0.004/-0	0.271	0.288/0.293	2.384	2.999	53.63
GP303250	3.250 +0.004/-0	0.271	0.288/0.293	2.634	3.249	56.68
GP303500	3.500 +0.004/-0	0.271	0.288/0.293	2.884	3.499	57.82
GP304000	4.000 +0.004/-0	0.271	0.288/0.293	3.384	3.999	58.02
GP304500	4.500 +0.004/-0	0.271	0.288/0.293	3.884	4.499	65.93
GP305000	5.000 +0.004/-0	0.271	0.288/0.293	4.384	4.999	71.43
GP405500	5.500 +0.005/-0	0.362	0.375/0.380	4.660	5.499	86.99
GP406000	6.000 +0.005/-0	0.362	0.375/0.380	5.160	5.999	93.64
GP406500	6.500 +0.005/-0	0.362	0.375/0.380	5.660	6.499	113.81
GP407000	7.000 +0.005/-0	0.362	0.375/0.380	6.170	6.999	100.93
GP408000	8.000 +0.005/-0	0.362	0.375/0.380	7.170	7.999	110.73

CALL FOR CUSTOM MACHINED SIZES



[SEAL INFORMATION]

PS2470



MATERIAL

40% BRONZE FILLED PTFE
RUBBER ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

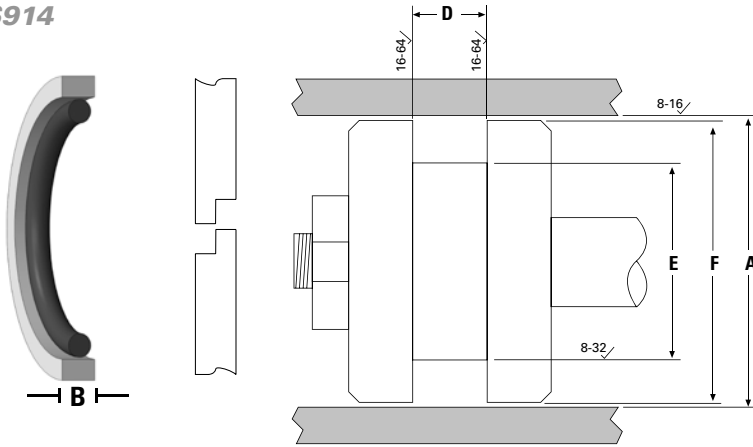
(Piston Seal) (Type of Seal)-(Size)

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

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	C SEAL CROSS SECTION	D GROOVE WIDTH	E GROOVE DIAMETER	LIST PRICE
PS2472-32	2.000	0.150	0.100	0.168 ±0.002	1.576 ±0.002	\$ 13.83
PS2472-40	2.500	0.150	0.100	0.168 ±0.002	2.076 ±0.002	14.67
PS2472-44	2.750	0.150	0.100	0.168 ±0.002	2.326 ±0.002	20.09
PS2472-48	3.000	0.150	0.100	0.168 ±0.002	2.576 ±0.002	16.20
PS2473-52	3.250	0.225	0.140	0.249 ±0.002	2.634 ±0.003	25.88
PS2473-56	3.500	0.225	0.140	0.249 ±0.002	2.884 ±0.003	26.65
PS2473-64	4.000	0.225	0.140	0.249 ±0.002	3.384 ±0.003	29.43
PS2473-68	4.250	0.225	0.140	0.249 ±0.002	3.634 ±0.003	27.97
PS2473-72	4.500	0.225	0.140	0.249 ±0.002	3.884 ±0.003	34.26
PS2473-80	5.000	0.225	0.140	0.249 ±0.002	4.384 ±0.003	35.00
PS2474-88	5.500	0.290	0.195	0.322 ±0.002	4.670 ±0.004	46.03
PS2473-96	6.000	0.225	0.140	0.249 ±0.002	5.363 ±0.004	42.28
PS2474-96	6.000	0.290	0.195	0.322 ±0.002	5.170 ±0.004	45.37
PS2474-104	6.500	0.290	0.195	0.322 ±0.002	5.670 ±0.004	57.94
PS2474-112	7.000	0.290	0.195	0.322 ±0.002	6.170 ±0.004	56.45
PS2474-120	7.500	0.290	0.195	0.322 ±0.002	6.670 ±0.004	61.28
PS2474-128	8.000	0.290	0.195	0.322 ±0.002	7.170 ±0.004	64.19
PS2474-152	9.500	0.290	0.195	0.322 ±0.002	8.670 ±0.004	114.91
PS2474-160	10.000	0.290	0.195	0.322 ±0.002	9.170 ±0.004	103.74



[SEAL INFORMATION]

PS914

MATERIAL

 GLASS FILLED NYLON
NITRILE ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 6,000 PSI

PART NUMBER

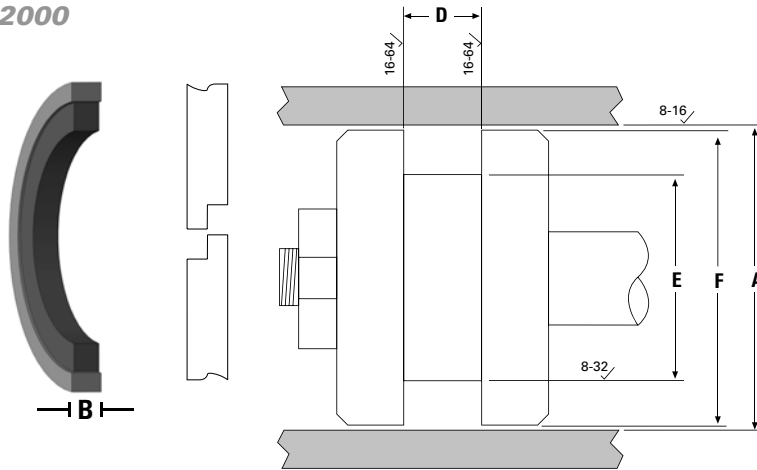
 (Piston Seal) (Type of Seal) -
(Size) - (Groove Width)

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

PART NUMBER	A - BORE DIAMETER TOL. +0.005/-0	B SEAL HEIGHT	D - GROOVE WIDTH TOL +0.005/-0	E - GROOVE DIAMETER TOL. +.0/-0.005	F PISTON DIAMETER	LIST PRICE
PS914-2000-282	2.000	0.274	0.282	1.462	1.999+0/-0.005	\$ 44.16
PS914-2250-282	2.250	0.274	0.282	1.712	2.249+0/-0.005	45.58
PS914-2500-282	2.500	0.274	0.282	1.962	2.499+0/-0.005	46.24
PS914-2500-312	2.500	0.306	0.312	1.908	2.499+0/-0.005	53.61
PS914-2750-282	2.750	0.274	0.282	2.212	2.749+0/-0.005	47.42
PS914-3000-282	3.000	0.274	0.282	2.442	2.999+0/-0.006	55.53
PS914-3000-312	3.000	0.306	0.312	2.408	2.999+0/-0.006	54.24
PS914-3500-282	3.500	0.274	0.282	2.942	3.499+0/-0.006	64.22
PS914-3500-312	3.500	0.306	0.312	2.908	3.499+0/-0.006	65.94
PS914-4000-282	4.000	0.274	0.282	3.442	3.999+0/-0.006	65.60
PS914-4000-312	4.000	0.306	0.312	3.408	3.999+0/-0.006	69.00
PS914-4250-282	4.250	0.274	0.282	3.692	4.249+0/-0.006	55.89
PS914-4265-282	4.265	0.274	0.282	3.707	4.264+0/-0.006	57.42
PS914-4500-282	4.500	0.274	0.282	3.942	4.499+0/-0.006	74.41
PS914-4500-312	4.500	0.306	0.312	3.908	4.499+0/-0.006	73.65
PS914-4750-282	4.750	0.274	0.282	4.192	4.749+0/-0.006	72.41
PS914-5000-282	5.000	0.274	0.282	4.442	4.999+0/-0.006	72.67
PS914-5000-375	5.000	0.370	0.377	4.240	4.999+0/-0.006	86.66
PS914-5250-375	5.250	0.370	0.377	4.490	5.249+0/-0.006	86.66
PS914-5500-375	5.500	0.370	0.377	4.740	5.499+0/-0.007	86.66
PS914-6000-375	6.000	0.370	0.377	5.240	5.999+0/-0.007	91.92
PS914-6500-375	6.500	0.370	0.377	5.740	6.499+0/-0.007	92.63
PS914-7000-375	7.000	0.370	0.377	6.240	6.999+0/-0.007	93.06
PS914-7500-375	7.500	0.370	0.377	6.740	7.499+0/-0.007	94.91
PS914-8000-375	8.000	0.370	0.377	7.240	7.999+0/-0.007	95.91
PS914-8500-375	8.500	0.370	0.377	7.740	8.499+0/-0.007	97.06
PS914-9000-375	9.000	0.370	0.377	8.124	8.999+0/-0.007	171.10
PS914-9500-375	9.500	0.370	0.377	8.624	9.499+0/-0.008	186.36
PS914-10000-375	10.000	0.370	0.377	9.124	9.999+0/-0.008	214.09

[SEAL INFORMATION]

PS2000



MATERIAL

GLASS FILLED NYLON
NITRILE ENERGIZER

TEMPERATURE RANGE

-40° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Piston Seal) (Type of Seal) -
(Size) - (Groove Width)

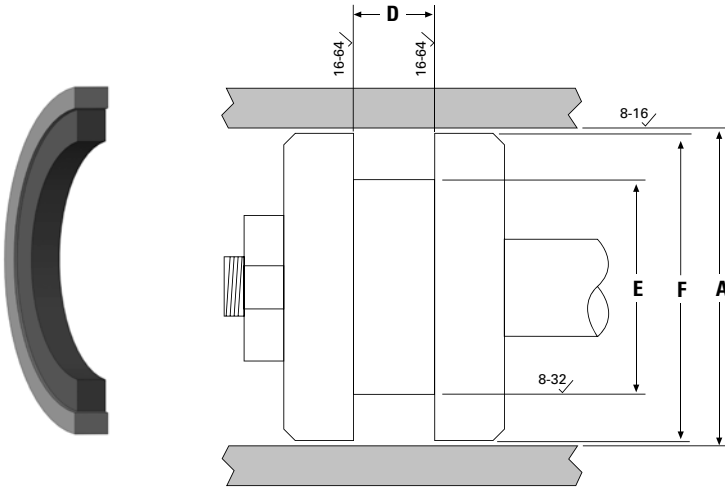
Some PS2000 piston seals utilize a round instead of a square energizer. Also, piston diameter "F" dimensions are given for pistons without wear rings. Many sizes shown are completely interchangeable with PS914 piston seals.

PART NUMBER	A - BORE DIAMETER TOL. +.005/-0	B SEAL HEIGHT	D - GROOVE WIDTH TOL. +.005/-0	E - GROOVE DIAMETER TOL. +0/-0.005	F PISTON DIAMETER	LIST PRICE
PS2027-28	1.750	0.274	0.282	1.155	1.749 +0/-0.005	\$ 10.59
PS2027-32	2.000	0.274	0.282	1.462	1.999 +0/-0.005	16.38
PS2027-36	2.250	0.274	0.282	1.712	2.249 +0/-0.005	17.42
PS2027-40	2.500	0.274	0.282	1.962	2.499 +0/-0.005	19.64
PS2031-48	3.000	0.305	0.312	2.408	2.999 +0/-0.006	20.73
PS2027-48	3.040	0.274	0.282	2.462	3.039 +0/-0.006	19.18
PS2027-52	3.250	0.274	0.282	2.712	3.249 +0/-0.006	21.19
PS2031-56	3.500	0.305	0.312	2.908	3.499 +0/-0.006	22.69
PS2037-56	3.500	0.368	0.375	2.740	3.499 +0/-0.006	22.69
PS2027-56	3.540	0.274	0.282	2.962	3.539 +0/-0.006	20.54
PS2031-64	4.000	0.305	0.312	3.408	3.999 +0/-0.006	24.04
PS2027-64	4.040	0.274	0.282	3.462	4.039 +0/-0.006	22.05
PS2031-72	4.500	0.305	0.312	3.908	4.499 +0/-0.006	29.96
PS2027-72	4.540	0.274	0.282	3.962	4.539 +0/-0.006	23.42
PS2031-80	5.000	0.305	0.312	4.408	4.999 +0/-0.006	31.77
PS2037-80	5.000	0.368	0.375	4.240	4.999 +0/-0.006	31.77
PS2031-88	5.500	0.305	0.312	4.908	5.499 +0/-0.007	34.52
PS2037-88	5.500	0.368	0.375	4.740	5.499 +0/-0.006	34.52
PS2037-96	6.040	0.368	0.375	5.240	6.039 +0/-0.007	29.41
PS2037-100	6.250	0.368	0.375	5.490	6.249 +0/-0.007	122.35
PS2037-104	6.500	0.368	0.375	5.740	6.499 +0/-0.007	55.55
PS2037-112	7.000	0.368	0.375	6.240	6.999 +0/-0.007	72.70



INCH



[SEAL INFORMATION]**CTC****MATERIAL**

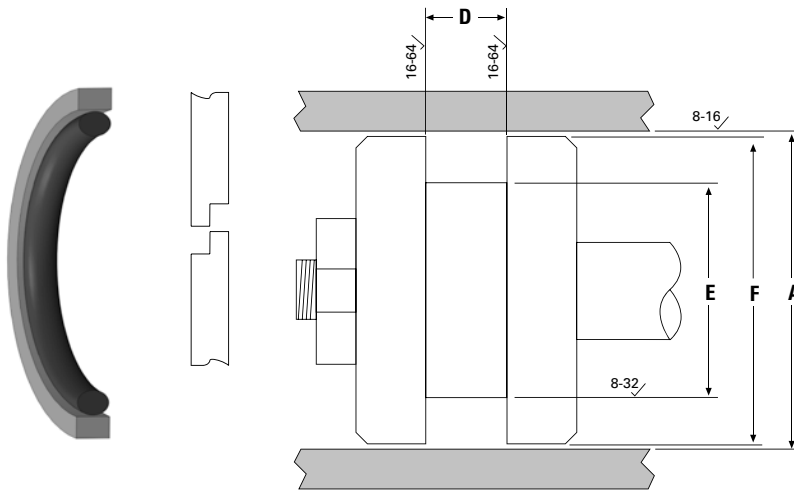
FILLED PTFE

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

PART NUMBER	A BORE DIAMETER TOL. +.005/-0	D GROOVE WIDTH TOL. +.0/-0.005	E GROOVE DIAMETER TOL. -.0/-0.005	F PISTON DIAMETER	LIST PRICE
CTC-5J7004A	2.000	0.192	1.625	1.999 +0/-0.005	\$ 9.64
CTC-8J6213A	2.500	0.192	2.125	2.499 +0/-0.005	11.48
CTC-5J7010A	2.750	0.192	2.375	2.749 +0/-0.005	17.53
CTC-6J1972A	3.000	0.192	2.460	2.999 +0/-0.006	12.89
CTC-6J0793A	3.250	0.192	2.710	3.249 +0/-0.006	18.31
CTC-5J7013A	3.500	0.192	2.960	3.499 +0/-0.006	16.04
CTC-5J8011A	3.750	0.192	3.210	3.749 +0/-0.006	23.30
CTC-5J5402A	4.000	0.252	3.335	3.999 +0/-0.006	18.11
CTC-5J7854A	4.250	0.252	3.585	4.249 +0/-0.006	19.59
CTC-5J4986A	4.500	0.252	3.835	4.499 +0/-0.006	22.62
CTC-5J4987A	4.750	0.252	4.090	4.749 +0/-0.006	24.71
CTC-5J5020A	5.000	0.379	4.225	4.999 +0/-0.006	26.78
CTC-5J7234A	5.250	0.379	4.480	5.249 +0/-0.006	31.92
CTC-5J4988A	5.500	0.379	4.725	5.499 +0/-0.006	31.64
CTC-5J4989A	6.000	0.379	5.095	5.999 +0/-0.006	30.25
CTC-5J4990A	6.250	0.379	5.345	6.249 +0/-0.006	30.92
CTC-5J4991A	6.500	0.379	5.595	6.499 +0/-0.006	34.74
CTC-5J4997A	7.000	0.379	6.095	6.999 +0/-0.006	37.66
CTC-5J4993A	7.250	0.379	6.345	7.249 +0/-0.006	33.79
CTC-9J7 117A	7.500	0.379	6.595	7.499 +0/-0.006	36.72
CTC-5J5559A	8.250	0.379	7.255	8.249 +0/-0.006	42.76
CTC-6J9385A	8.500	0.379	7.505	8.499 +0/-0.006	47.49
CTC-5J7019A	9.250	0.379	8.255	9.249 +0/-0.006	53.41

[SEAL INFORMATION]

CTC



MATERIAL

FILLED NYLON STEP-CUT

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

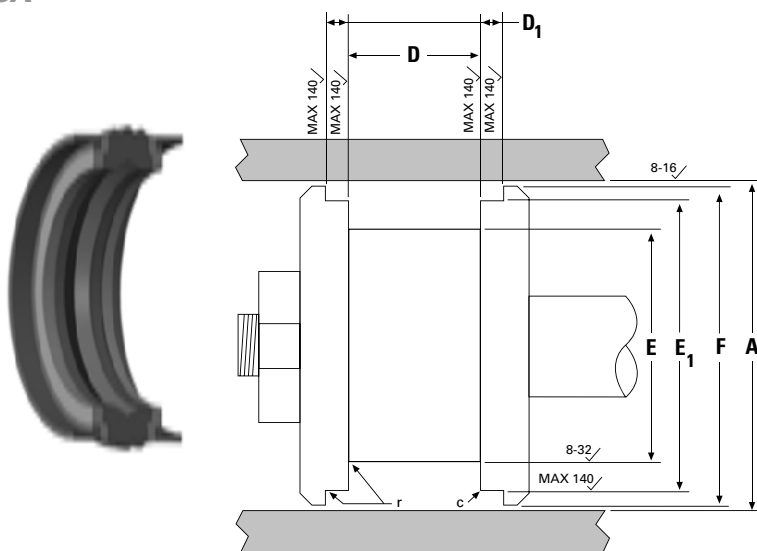
PART NUMBER	A BORE DIAMETER TOL. +.005/-0	D GROOVE WIDTH TOL. +.0/-0.005	E GROOVE DIAMETER TOL. -.0/0.005	F PISTON DIAMETER	LIST PRICE
CTC-9X7337	3.000	0.192	2.460	2.999 +0/-0.006	\$ 23.63
CTC-4T8054	3.500	0.192	2.960	3.499 +0/-0.006	33.88
CTC-9X7274	3.750	0.192	3.210	3.749 +0/-0.006	26.73
CTC-8C9160	4.000	0.252	3.335	3.999 +0/-0.006	39.34
CTC-8C9164	4.250	0.252	3.585	4.249 +0/-0.006	33.63
CTC-4T5172	4.500	0.500	3.835	4.499 +0/-0.006	50.02
CTC-9X7269	4.500	0.252	3.835	4.499 +0/-0.006	49.81
CTC-9X7264	5.000	0.379	4.225	4.999 +0/-0.006	47.93
CTC-8T1787	5.000	0.630	4.225	4.999 +0/-0.006	65.18
CTC-8T0763	5.250	0.379	4.475	5.249 +0/-0.006	39.11
CTC-1546744	5.375	0.379	4.680	5.374 +0/-0.006	44.69
CTC-4T5173	5.500	0.629	4.725	5.499 +0/-0.006	36.71
CTC-6E0465	5.500	0.379	4.725	5.499 +0/-0.006	52.12
CTC-4T4144	6.000	0.629	5.095	5.999 +0/-0.006	40.66
CTC-4T8695	6.500	0.629	5.595	6.499 +0/-0.006	42.47
CTC-8T1789	7.000	0.629	6.095	6.999 +0/-0.006	38.55
CTC-8T1790	7.250	0.629	6.345	7.249 +0/-0.006	72.91
CTC-8T1791	7.500	0.629	6.595	7.499 +0/-0.010	91.34
CTC-8T1792	7.750	0.629	6.845	7.749 +0/-0.010	53.92
CTC-8T1793	8.250	0.629	7.255	8.249 +0/-0.010	63.15
CTC-9T0119	8.500	0.629	7.505	8.499 +0/-0.010	64.00
CTC-4T4143	9.250	0.379	8.255	9.249 +0/-0.010	144.74
CTC-8T1794	10.000	0.690	8.880	9.999 +0/-0.010	102.44
CTC-8T1795	10.250	0.690	9.130	10.249 +0/-0.010	105.81
CTC-8T1796	10.500	0.690	9.380	10.499 +0/-0.010	106.91
CTC-8T1797	11.500	0.690	10.380	11.499 +0/-0.010	135.67



INCH

[SEAL INFORMATION]

PSA

**MATERIAL**90A NITRILE SEAL
NYLON BACK-UP
NYLON BEARING**TEMPERATURE RANGE**

-22° TO +212° F

PRESSURE RANGE

0 TO 6,000 PSI

MAXIMUM SPEED

1.5 FT/SEC

PART NUMBER

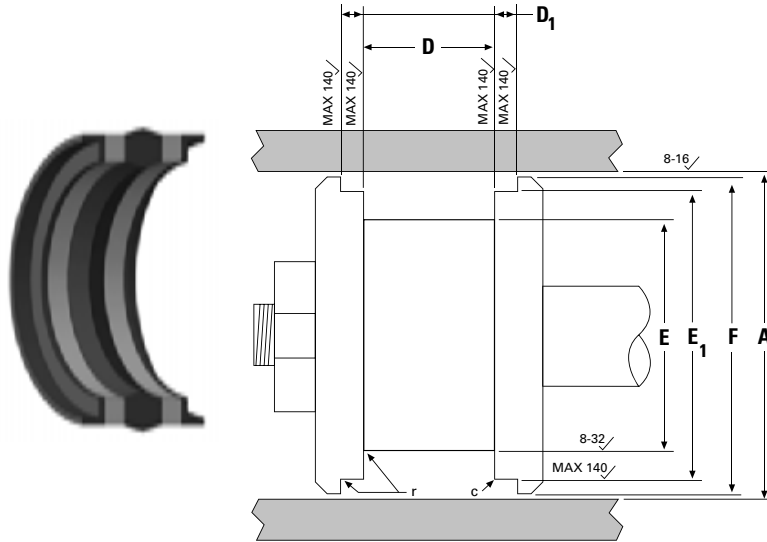
(Prefix) - (Size)

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 wear rings required.

PART NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL. +0.035/+0.025	D1 BEARING GROOVE WIDTH TOL. +0/-0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSA-1750	1.750+0.006/-0	0.750	0.250	1.125±0.003	1.569+0/-0.002	1.698±0.003	\$ 8.54
PSA-2000	2.000+0.007/-0	0.750	0.250	1.375±0.003	1.820+0/-0.002	1.948±0.004	9.35
PSA-2250	2.250+0.007/-0	0.750	0.250	1.625±0.003	2.069+0/-0.003	2.197±0.004	18.34
PSA-2375	2.375+0.007/-0	0.750	0.250	1.750±0.003	2.194+0/-0.003	2.322±0.004	11.91
PSA-2500	2.500+0.007/-0	0.750	0.250	1.875±0.003	2.318+0/-0.003	2.446±0.004	13.22
PSA-2750	2.750+0.007/-0	0.943	0.250	2.000±0.004	2.522+0/-0.003	2.685±0.004	21.97
PSA-3000	3.000+0.007/-0	0.943	0.250	2.250±0.004	2.771+0/-0.003	2.935±0.004	17.29
PSA-3250	3.250+0.009/-0	0.943	0.250	2.500±0.004	3.021+0/-0.003	3.184±0.004	24.42
PSA-3250A	3.250+0.009/-0	0.772	0.245	2.625±0.004	3.021+0/-0.003	3.184±0.004	24.77
PSA-3500	3.500+0.009/-0	0.943	0.250	2.750±0.004	3.270+0/-0.003	3.434±0.004	23.34
PSA-3500A	3.500+0.009/-0	0.772	0.295	2.850±0.004	3.272+0/-0.003	3.460±0.004	24.59
PSA-3750	3.750+0.009/-0	0.943	0.250	3.000±0.004	3.520+0/-0.003	3.683±0.004	27.46
PSA-4000	4.000+0.009/-0	0.943	0.250	3.250±0.004	3.770+0/-0.003	3.933±0.004	26.29
PSA-4000A	4.000+0.009/-0	1.375	0.425	3.250±0.004	3.770+0/-0.003	3.933±0.004	49.66
PSA-4000B	4.000+0.009/-0	0.772	0.245	3.375±0.004	3.772+0/-0.003	3.960±0.004	30.96
PSA-4500	4.500+0.009/-0	1.250	0.350	3.500±0.004	4.229+0/-0.003	4.422±0.005	36.57
PSA-4500A	4.500+0.009/-0	1.750	0.550	3.500±0.004	4.229+0/-0.003	4.422±0.005	61.36
PSA-5000	5.000+0.010/-0	1.250	0.400	4.000±0.004	4.709+0/-0.004	4.902±0.005	45.56
PSA-5000A	5.000+0.010/-0	0.960	0.290	4.250±0.004	4.772+0/-0.004	4.960±0.005	42.77
PSA-6000	6.000+0.010/-0	1.250	0.375	5.000±0.004	5.709+0/-0.004	5.902±0.005	56.32
PSA-6000A	6.000+0.010/-0	1.750	0.500	5.000±0.004	5.675+0/-0.004	5.900±0.005	71.74

[SEAL INFORMATION]

PSA-58



MATERIAL

FABRIC REINFORCED
NITRILE SEAL, POLYACETAL
ANTI-EXTRUSION RING

TEMPERATURE RANGE

-22° TO +212° F

PRESSURE RANGE

0 TO 5,000 PSI

MAXIMUM SPEED

1.5 FT/SEC

PART NUMBER

(Prefix) - (Type of Seal) - (Size)

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 NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL. +0.035/+0.025	D1 BEARING GROOVE WIDTH TOL. +0/±0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSA-58-1000	1.000	0.596	0.182	0.625	0.865	0.865	\$ 13.21
PSA-58-1250	1.250	0.750	0.250	0.750	1.115	1.218	15.77
PSA-58-1375	1.375	0.750	0.250	0.875	1.241	1.343	17.88
PSA-58-1500	1.500	0.750	0.250	1.000	1.371	1.468	25.23
PSA-58-1625	1.625	0.937	0.250	1.000	1.428	1.562	41.24
PSA-58-1750	1.750	0.937	0.250	1.125	1.555	1.687	29.30
PSA-58-1875	1.875	0.937	0.250	1.250	1.679	1.812	23.84
PSA-58-2000	2.000	0.937	0.250	1.375	1.805	1.937	30.58
PSA-58-2000B	2.000	0.750	0.250	1.375	1.802	1.937	22.07
PSA-58-2250	2.250	0.937	0.250	1.625	2.055	2.187	33.96
PSA-58-2375	2.375	0.937	0.250	1.750	2.180	2.312	23.49
PSA-58-2500	2.500	0.937	0.250	1.875	2.305	2.437	33.96
PSA-58-2500A	2.500	0.750	0.254	1.875	2.321	2.437	38.03
PSA-58-2625	2.625	0.937	0.250	2.000	2.428	2.562	22.52
PSA-58-2750	2.750	1.187	0.250	2.000	2.485	2.687	41.01
PSA-58-3000	3.000	1.187	0.250	2.250	2.735	2.937	44.24
PSA-58-3000A	3.000	0.937	0.250	2.250	2.774	2.937	28.50
PSA-58-3000B	3.000	0.843	0.250	2.250	2.732	2.937	37.14
PSA-58-3250	3.250	1.187	0.250	2.500	2.985	3.187	48.52
PSA-58-3500	3.500	1.187	0.250	2.750	3.235	3.437	51.60
PSA-58-3500A	3.500	0.937	0.250	2.750	3.273	3.437	56.58



INCH



PSA-58 (3-PC) PISTON SEALS

PART NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL. +0.035/+0.025	D1 BEARING GROOVE WIDTH TOL. +0/+0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSA-58-3750	3.750	1.187	0.250	3.000	3.485	3.687	\$ 53.88
PSA-58-4000	4.000	1.187	0.250	3.250	3.735	3.937	60.26
PSA-58-4000A	4.000	0.937	0.250	3.250	3.772	3.937	45.61
PSA-58-4250	4.250	1.187	0.250	3.500	3.982	4.187	42.41
PSA-58-4500	4.500	1.500	0.375	3.500	4.234	4.437	72.17
PSA-58-4750	4.750	1.500	0.375	3.750	4.485	4.687	73.80
PSA-58-5000	5.000	1.500	0.375	4.000	4.735	4.937	82.82
PSA-58-5250	5.250	1.500	0.375	4.250	4.982	5.187	73.10
PSA-58-5500	5.500	1.500	0.375	4.500	5.236	5.437	88.28
PSA-58-5750	5.750	1.500	0.375	4.750	5.484	5.687	161.57
PSA-58-6000	6.000	1.500	0.375	5.000	5.736	5.937	94.02
PSA-58-6000A	6.000	1.250	0.254	5.000	5.728	5.954	98.67
PSA-58-6500	6.500	1.500	0.375	5.500	6.236	6.437	140.11
PSA-58-7000	7.000	1.500	0.375	6.000	6.736	6.937	148.62
PSA-58-8000	8.000	1.250	0.375	7.000	7.740	7.937	187.46
PSA-58-9000	9.000	1.875	0.375	7.750	8.740	8.937	173.61
PSA-58-10000	10.000	1.250	0.375	9.000	9.740	9.937	372.82



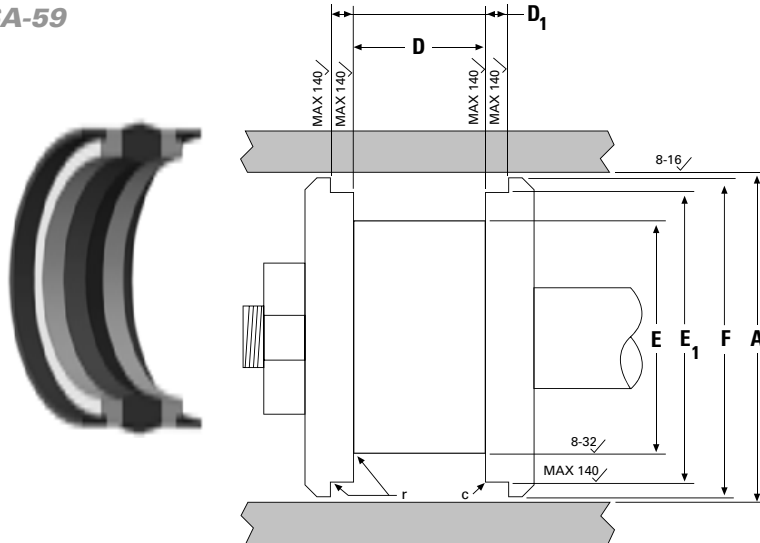
PSA-59 (3-PC) PISTON SEALS

135

PISTON SEAL ASSEMBLIES

[SEAL INFORMATION]

PSA-59



MATERIAL	FABRIC REINFORCED NITRILE SEAL, POLYACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
MAXIMUM SPEED	1.5 FT/SEC
PART NUMBER	(Prefix) - (Type of Seal) - (Size)

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

PART NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL. +0.035/+0.025	D1 BEARING GROOVE WIDTH TOL. +0/-0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSA-59-1000A	1.000+0.006/-0	0.468	0.250	0.625±0.003	0.883+0/-0.002	0.964±0.003	\$ 15.07
PSA-59-1250	1.250+0.006/-0	0.625	0.250	0.750±0.003	1.111+0/-0.002	1.208±0.003	15.19
PSA-59-1500	1.500+0.006/-0	0.625	0.250	1.000±0.003	1.360+0/-0.002	1.458±0.003	14.14
PSA-59-1625	1.625+0.006/-0	0.625	0.250	1.125±0.003	1.485+0/-0.002	1.583±0.003	16.93
PSA-59-1750	1.750+0.006/-0	0.750	0.250	1.125±0.003	1.570+0/-0.002	1.698±0.003	19.39
PSA-59-2125	2.125+0.007/-0	0.750	0.250	1.500±0.003	1.944+0/-0.003	2.074±0.004	20.09
PSA-59-2250	2.250+0.007/-0	0.750	0.250	1.625±0.003	2.069+0/-0.003	2.197±0.004	16.00
PSA-59-2375	2.375+0.007/-0	0.750	0.250	1.750±0.003	2.194+0/-0.003	2.322±0.004	16.93
PSA-59-2500A	2.500+0.007/-0	0.750	0.250	1.875±0.003	2.321+0/-0.003	2.437±0.004	30.96
PSA-59-2625	2.625+0.007/-0	0.750	0.250	2.000±0.004	2.443+0/-0.003	2.571±0.004	21.16
PSA-59-2750	2.750+0.007/-0	0.750	0.250	2.000±0.004	2.522+0/-0.003	2.685±0.004	28.51
PSA-59-2750A	2.750+0.007/-0	0.937	0.250	2.000±0.004	2.522+0/-0.003	2.685±0.004	20.92
PSA-59-3000	3.000+0.007/-0	0.937	0.250	2.250±0.004	2.772+0/-0.003	2.935±0.004	21.62
PSA-59-3000A	3.000+0.007/-0	1.125	0.250	2.250±0.004	2.772+0/-0.003	2.935±0.004	23.03
PSA-59-3250	3.250+0.009/-0	0.937	0.250	2.500±0.004	3.021+0/-0.003	3.184±0.004	26.64
PSA-59-3500	3.500+0.009/-0	0.937	0.250	2.750±0.004	3.271+0/-0.003	3.434±0.004	28.28
PSA-59-4000	4.000+0.009/-0	0.937	0.250	3.250±0.004	3.770+0/-0.003	3.933±0.004	27.35
PSA-59-4250	4.250+0.009/-0	0.937	0.250	3.500±0.004	4.019+0/-0.003	4.182±0.005	38.21
PSA-59-4500	4.500+0.009/-0	1.250	0.250	3.500±0.004	4.229+0/-0.003	4.422±0.005	37.28
PSA-59-5000	5.000+0.010/-0	1.250	0.250	4.000±0.004	4.728+0/-0.004	4.921±0.005	38.81
PSA-59-5250	5.250+0.010/-0	1.250	0.250	4.250±0.004	4.977+0/-0.004	5.170±0.005	54.68
PSA-59-5500	5.500+0.010/-0	1.250	0.250	4.500±0.004	5.227+0/-0.004	5.420±0.005	56.19
PSA-59-6000	6.000+0.010/-0	1.250	0.250	5.000±0.005	5.726+0/-0.004	5.919±0.005	50.83
PSA-59-6500	6.500+0.010/-0	1.250	0.250	5.500±0.005	6.226+0/-0.004	6.419±0.005	80.75
PSA-59-7000	7.000+0.010/-0	1.250	0.250	6.000±0.005	6.724+0/-0.004	6.917±0.005	96.05
PSA-59-8000	8.000+0.011/-0	1.250	0.250	7.000±0.005	7.723+0/-0.005	7.915±0.006	109.01



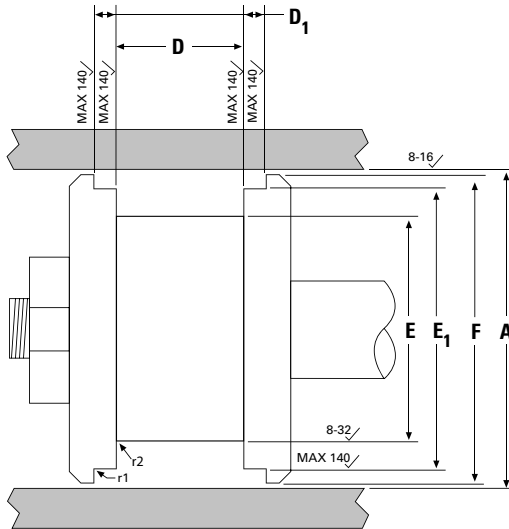
INCH



PSA-65 PISTON SEALS

[SEAL INFORMATION]

PSA-65



MATERIAL

NITRILE SEAL
POLYACETAL ANTI-
EXTRUSION RING

TEMPERATURE RANGE

-22° TO +212° F

PRESSURE RANGE

0 TO 3,000 PSI

MAXIMUM SPEED

1.5 FT/SEC

PART NUMBER

(Prefix) - (Type of Seal) - (Size)

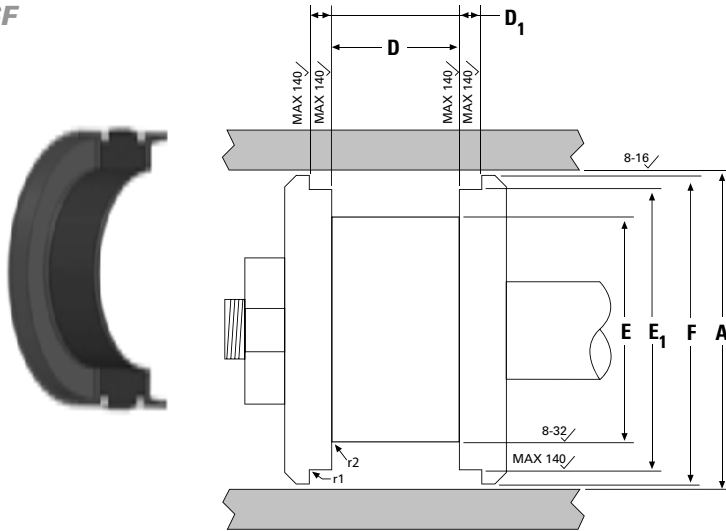
Compact and easy to install, the PSA-65 piston seal for 1-piece pistons is a simple and economical design for pressures up to 3,000 PSI. The assembly consists of a nitrile rubber seal and two polyacetal bearings to support the piston.

PART NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL. +0.015/-0.005	D1 BEARING GROOVE WIDTH TOL. +0/-0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSA-65-1000	1.000 +0.004/-0	0.343	0.125	0.687 +0/-0.002	0.829 +0/-0.002	0.937 +0/-0.006	\$ 7.30
PSA-65-1250	1.250 +0.004/-0	0.343	0.125	0.943 +0/-0.002	1.079 +0/-0.002	1.187 +0/-0.006	6.93
PSA-65-1500	1.500 +0.004/-0	0.437	0.150	1.125 +0/-0.002	1.324 +0/-0.002	1.437 +0/-0.006	6.93
PSA-65-1750	1.750 +0.004/-0	0.437	0.150	1.375 +0/-0.002	1.574 +0/-0.002	1.687 +0/-0.006	12.30
PSA-65-2000	2.000 +0.005/-0	0.437	0.150	1.625 +0/-0.002	1.824 +0/-0.002	1.937 +0/-0.006	24.58
PSA-65-2250	2.250 +0.005/-0	0.437	0.150	1.875 +0/-0.002	2.075 +0/-0.003	2.187 +0/-0.006	10.13
PSA-65-2375	2.375 +0.005/-0	0.437	0.150	2.000 +0/-0.002	2.195 +0/-0.003	2.312 +0/-0.007	8.77
PSA-65-2500	2.500 +0.005/-0	0.437	0.150	2.125 +0/-0.003	2.325 +0/-0.003	2.437 +0/-0.007	35.35
PSA-65-2500A	2.500 +0.005/-0	0.625	0.255	2.000 +0/-0.003	2.325 +0/-0.003	2.437 +0/-0.007	17.94
PSA-65-2750	2.750 +0.005/-0	0.437	0.150	2.375 +0/-0.003	2.8 +0/-0.002	2.687 +0/-0.007	18.70
PSA-65-3000	3.000 +0.005/-0	0.437	0.150	2.625 +0/-0.003	2.825 +0/-0.003	2.937 +0/-0.007	36.98
PSA-65-3500	3.500 +0.006/-0	0.562	0.210	3.000 +0/-0.003	3.270 +0/-0.003	3.437 +0/-0.009	42.68
PSA-65-4000	4.000 +0.006/-0	0.562	0.210	3.500 +0/-0.003	3.770 +0/-0.003	3.937 +0/-0.009	47.65
PSA-65-4500	4.500 +0.006/-0	0.562	0.210	4.000 +0/-0.003	4.270 +0/-0.003	4.437 +0/-0.009	58.09
PSA-65-5000	5.000 +0.006/-0	0.687	0.344	4.375 +0/-0.003	4.689 +0/-0.003	4.937 +0/-0.010	61.64
PSA-65-5500	5.500 +0.006/-0	0.687	0.344	4.875 +0/-0.004	5.188 +0/-0.004	5.437 +0/-0.010	66.53
PSA-65-6000	6.000 +0.006/-0	1.000	0.500	5.250 +0/-0.004	5.712 +0/-0.004	5.937 +0/-0.010	70.08
PSA-65-7000	7.000 +0.006/-0	1.000	0.500	6.250 +0/-0.004	6.712 +0/-0.004	6.937 +0/-0.010	85.73



[SEAL INFORMATION]

PSF



MATERIAL

NITRILE SEAL, POLYACETAL ANTI-EXTRUSION RING

TEMPERATURE RANGE

-22° TO +212° F

PRESSURE RANGE

0 TO 3,000 PSI

PART NUMBER

(Prefix) - (O-Ring Size)

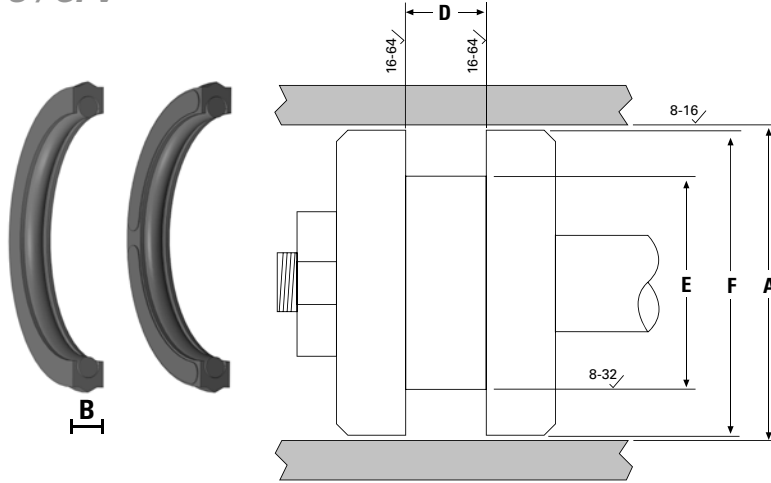
Designed to fit on one or two piece pistons, this seal employs a nitrile seal element, PTFE split back-up rings, and polyacetal split bearing rings.

PART NUMBER	A BORE DIAMETER	D SEAL GROOVE WIDTH TOL +0.015/+0.005	D1 BEARING GROOVE WIDTH TOL. +0/-0.005	E SEAL GROOVE DIAMETER	E1 BEARING GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
PSF-2000	2.000 +0.005/-0	0.496	0.245	1.625 +0/-0.002	1.888 +0/-0.002	1.960 +0/-0.006	\$ 11.39
PSF-2500	2.500 +0.005/-0	0.650	0.245	2.000 +0/-0.003	2.320 +0/-0.003	2.460 +0/-0.007	15.11
PSF-2750	2.750 +0.005/-0	0.650	0.250	2.250 +0/-0.003	2.570 +0/-0.003	2.710 +0/-0.007	16.54
PSF-3000	3.000 +0.005/-0	0.775	0.245	2.375 +0/-0.003	2.772 +0/-0.003	2.960 +0/-0.007	16.65
PSF-4000	4.000 +0.006/-0	0.562	0.210	3.500 +0/-0.003	3.770 +0/-0.003	3.937 +0/-0.009	27.49



[SEAL INFORMATION]

CPS / CPV

**MATERIAL**95A POLYURETHANE SEAL
70A NITRILE ENERGIZER**TEMPERATURE RANGE**

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (O-Ring Size) - (2)

The Crown Piston Seal is a squeeze type double acting piston seal designed to replace standard O-rings, quad rings, and T-seals with the same grooves. Though backup rings may be added to either or both sides of the CPS to fill wider grooves, HydraPak Seals offers a wide base style (designated -2) which eliminates the need for them.

NOTE: Piston diameter "F" dimensions are given for piston without wear rings. CALL FOR SIZES NOT LISTED. We also offer "Crown-Rod" Seals.

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH	E GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
CPS-203	0.561	0.150	0.185	0.315	0.559	\$ 4.84
CPS-204	0.625	0.150	0.185	0.378	0.623	4.85
CPS-205	0.686	0.150	0.185	0.440	0.684	4.96
CPS-207	0.811	0.150	0.185	0.565	0.809	5.33
CPS-208	0.875	0.150	0.185	0.628	0.873	5.46
CPS-211	1.062	0.150	0.185	0.816	1.060	6.05
CPS-212	1.125	0.150	0.185	0.879	1.123	4.46
CPS-213	1.187	0.150	0.185	0.941	1.185	4.46
CPS-214	1.250	0.150	0.185	1.004	1.248	6.31
CPS-216	1.375	0.150	0.185	1.129	1.373	4.46
CPS-217	1.437	0.150	0.185	1.191	1.435	6.32
CPS-218	1.500	0.150	0.185	1.254	1.498	4.46
CPS-218-2	1.500	0.265	0.304	1.254	1.498	6.98
CPS-220	1.625	0.150	0.185	1.379	1.623	5.90
CPV-222	1.750	0.150	0.185	1.504	1.748	5.05
CPS-222-2	1.750	0.265	0.304	1.504	1.748	8.05
CPS-325	1.875	0.255	0.280	1.500	1.873	5.37
CPV-326	2.000	0.255	0.280	1.625	1.998	5.59
CPS-326-2	2.000	0.370	0.424	1.625	1.998	9.16
CPV-328	2.250	0.255	0.280	1.875	2.248	6.42
CPS-329	2.375	0.255	0.280	2.000	2.373	6.89
CPV-330	2.500	0.255	0.280	2.125	2.498	7.29
CPS-330-2	2.500	0.370	0.424	2.125	2.498	11.52

CROWN PISTON SEALS

139

PISTON SEAL ASSEMBLIES

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH	E GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
CPV-332	2.750	0.255	0.280	2.374	2.747	\$ 8.59
CPS-332-2	2.750	0.370	0.424	2.374	2.747	18.33
CPV-334	3.000	0.255	0.280	2.624	2.997	9.01
CPS-334-2	3.000	0.370	0.424	2.624	2.997	13.85
CPV-335	3.125	0.235	0.280	2.749	3.124	9.46
CPV-336	3.250	0.255	0.280	2.874	3.247	10.03
CPS-337	3.375	0.255	0.280	3.000	3.373	16.12
CPV-338	3.500	0.255	0.280	3.125	3.498	11.23
CPS-338-2	3.500	0.370	0.424	3.125	3.498	13.88
CPS-339	3.625	0.255	0.280	3.250	3.623	17.34
CPS-340	3.750	0.255	0.280	3.375	3.748	12.16
CPS-341	3.875	0.255	0.280	3.500	3.873	19.15
CPV-342	4.000	0.255	0.280	3.625	3.998	13.36
CPS-342-2	4.000	0.370	0.424	3.625	3.998	20.58
CPS-344	4.250	0.255	0.280	3.875	4.248	15.21
CPV-346	4.500	0.255	0.280	4.125	4.498	17.02
CPS-347	4.625	0.255	0.280	4.250	4.623	18.23
CPV-350	5.000	0.255	0.280	4.626	4.999	21.60
CPV-425	5.000	0.320	0.365	4.521	4.999	25.18
CPS-427	5.250	0.320	0.365	5.251	5.249	26.73
CPS-428	5.375	0.320	0.365	4.896	5.374	28.88
CPV-429	5.500	0.320	0.365	5.021	4.499	26.19
CPV-433	6.000	0.320	0.365	5.521	5.999	32.82
CPS-433-2	6.000	0.500	0.579	5.521	5.999	45.17
CPV-437	6.500	0.320	0.365	6.020	6.498	35.58
CPV-439	7.000	0.320	0.365	6.520	6.998	37.69
CPS-441	7.500	0.320	0.365	7.020	7.498	42.53
CPS-442	7.750	0.320	0.365	7.270	7.748	60.97
CPV-443	8.000	0.320	0.365	7.520	7.998	44.10
CPS-444	8.250	0.320	0.365	7.770	8.248	45.08
CPS-445	8.500	0.320	0.365	8.020	8.498	47.42
CPS-446	9.000	0.320	0.365	8.520	8.998	47.52
CPS-447	9.500	0.320	0.365	9.020	9.498	48.61
CPS-448	10.000	0.320	0.365	9.520	9.998	47.48
CPS-449	10.500	0.320	0.365	10.020	10.498	56.71
CPS-450	11.000	0.320	0.365	10.520	10.998	58.40
CPS-451	11.500	0.320	0.365	11.020	11.498	84.15
CPS-452	12.000	0.320	0.365	11.520	11.998	94.21
CPS-453	12.500	0.320	0.365	12.020	12.998	101.27
CPS-454	13.000	0.320	0.365	12.520	12.998	108.31
CPS-456	14.000	0.320	0.365	13.520	13.998	122.43

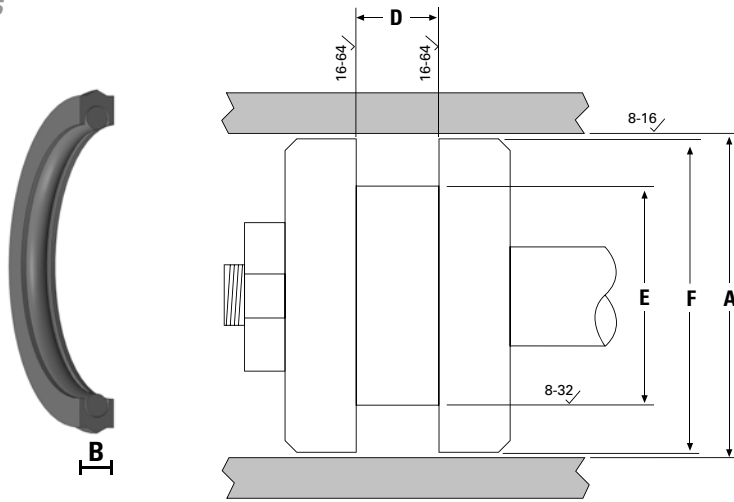


INCH



[SEAL INFORMATION]

CPS

**MATERIAL**55D FLUOROTREL SEAL
70A NITRILE ENERGIZER**TEMPERATURE RANGE**

-65° TO +275° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (O-Ring Size) - (Fluorotrel)

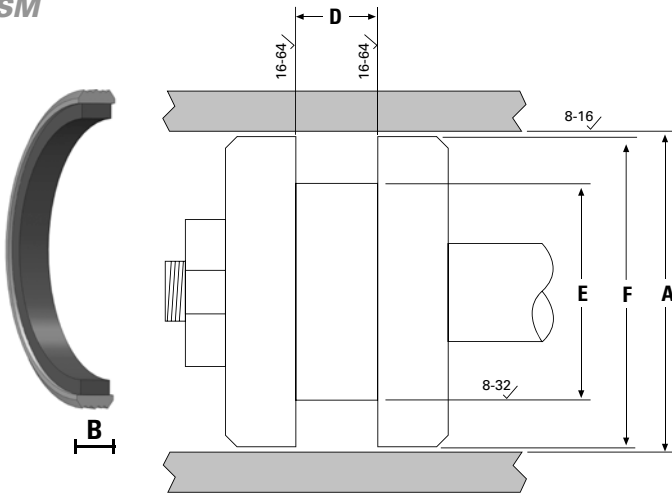
Fluorotrel Crown Piston Seals are tougher and more durable than our standard urethane product. Excellent at temperatures up to 275° F, Fluorotrel also resists fluids that are incompatible with polyurethane at comparable temperatures, such as water, glycol, mineral oils and petroleum.

Note: Piston diameter "F" dimensions are given for pistons without wear rings.

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH	E GROOVE DIAMETER	F PISTON DIAMETER	LIST PRICE
CPS-326F	2.000	0.255	0.280	1.625	1.998	\$ 9.32
CPS-328F	2.250	0.255	0.280	1.875	2.248	10.88
CPS-330F	2.500	0.255	0.280	2.125	2.498	12.41
CPS-332F	2.749	0.255	0.280	2.374	2.747	13.50
CPS-334F	3.000	0.255	0.280	2.624	2.997	14.49
CPS-335F	3.125	0.255	0.280	2.749	3.122	16.59
CPS-338F	3.500	0.255	0.280	3.125	3.498	17.13
CPS-340F	3.750	0.255	0.280	3.375	3.748	18.65
CPS-342F	4.000	0.255	0.280	3.625	3.998	20.73
CPS-346F	4.500	0.255	0.280	4.125	4.498	26.18
CPS-350F	5.000	0.255	0.280	4.625	4.999	31.09
CPS-433F	6.000	0.320	0.365	5.520	5.999	45.03
CPS-439F	7.000	0.320	0.365	6.520	6.999	52.97

[SEAL INFORMATION]

CSM



MATERIAL

93A URETHANE SEAL
70A NITRILE ENERGIZER

TEMPERATURE RANGE

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (Size)

Molded from 93 Shore A polyurethane with a 70 Shore A energizer, this seal uses the same groove dimensions as a standard O-ring or T-seal. One or two back-up rings may be used for wider grooves. Extrusion resistant by design, this seal also resists 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 "F" dimensions are given for pistons without wear rings.

PART NUMBER	A BORE DIAMETER TOL. ±.001	B SEAL HEIGHT	D GROOVE WIDTH TOL. ±.002	E GROOVE DIAMETER TOL. ±.002	F PISTON DIAMETER	LIST PRICE
CSM-218	1.500	0.165	0.185	1.254	1.498 +0/-0.002	\$ 5.97
CSM-218-WB	1.500	0.265	0.275	1.258	1.499 +0/-0.005	6.87
CSM-222	1.750	0.165	0.185	1.500	1.749 +0/-0.005	6.15
CSM-326	2.000	0.265	0.280	1.625	1.999 +0/-0.005	7.22
CSM-326-WB	2.000	0.375	0.394	1.625	1.999 +0/-0.005	8.91
CSM-328	2.250	0.265	0.280	1.875	2.249 +0/-0.005	7.89
CSM-329	2.375	0.265	0.280	2.000	2.374 +0/-0.005	7.89
CSM-330	2.500	0.265	0.280	2.125	2.499 +0/-0.005	8.94
CSM-330-WB	2.500	0.395	0.410	2.125	2.499 +0/-0.005	11.97
CSM-332	2.750	0.265	0.280	2.375	2.749 +0/-0.005	9.62
CSM-48A	3.000	0.235	0.250	2.380	2.999 +0/-0.005	35.26
CSM-334	3.000	0.265	0.280	2.625	2.999 +0/-0.005	10.67
CSM-334-WB	3.000	0.395	0.410	2.625	2.999 +0/-0.005	13.78
CSM-336	3.250	0.265	0.280	2.875	3.249 +0/-0.005	10.67
CSM-338	3.500	0.265	0.280	3.125	3.499 +0/-0.005	12.40
CSM-338-WB	3.500	0.395	0.410	3.125	3.499 +0/-0.005	16.16
CSM-340	3.750	0.265	0.280	3.375	3.749 +0/-0.005	13.77
CSM-342	4.000	0.265	0.280	3.625	3.999 +0/-0.005	15.77
CSM-342-WB	4.000	0.395	0.410	3.625	3.999 +0/-0.005	19.52
CSM-344	4.250	0.265	0.280	3.875	4.249 +0/-0.005	17.18
CSM-346	4.500	0.265	0.280	4.125	4.499 +0/-0.005	17.85
CSM-347	4.625	0.265	0.280	4.250	4.624 +0/-0.005	17.85
CSM-350	5.000	0.265	0.280	4.625	4.999 +0/-0.005	25.37
CSM-425-WB	5.000	0.518	0.538	4.528	4.999 +0/-0.005	29.75
CSM-429	5.500	0.350	0.365	5.020	5.499 +0/-0.005	29.85
CSM-433	6.000	0.350	0.365	5.520	5.999 +0/-0.005	32.65
CSM-433-WB	6.000	0.518	0.538	5.520	5.999 +0/-0.005	40.36
CSM-437	6.500	0.350	0.365	6.020	6.499 +0/-0.005	34.67
CSM-439	7.000	0.350	0.365	6.520	6.999 +0/-0.005	37.06
CSM-441	7.500	0.350	0.365	7.020	7.499 +0/-0.005	39.08
CSM-443	8.000	0.350	0.365	7.520	7.999 +0/-0.005	41.20
CSM-445	8.500	0.350	0.365	8.020	8.499 +0/-0.005	43.22
CSM-446	9.000	0.350	0.365	8.520	8.999 +0/-0.005	43.22

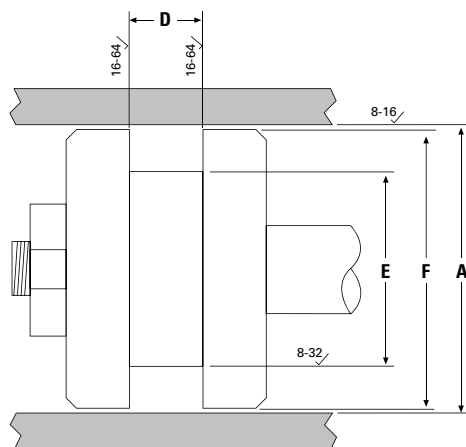


INCH



[SEAL INFORMATION]

PSU

**MATERIAL**60D & 57A
URETHANE COMPOSITE**TEMPERATURE RANGE**

-65° TO +220° F

PRESSURE RANGE

0 TO 5,000 PSI

PART NUMBER

(Prefix) - (OD) X (ID) X (Groove W)

Our PSU piston seal, or uni-ring, is a laminated one piece double acting seal made of cast polyurethane. Impregnated with molybdenum disulfide to reduce friction, the tough outer layer is highly resistant to abrasion. 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 uni-ring or other seals of the same dimensions - O-Rings, O-Rings with Back-ups, T-seals, U-seals, etc. **Note: Piston diameter "F" dimensions are given for pistons without wear rings.**

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH TOL. +0.015/-0	E GROOVE DIAMETER	F PISTON DIAMETER TOL. +0/-0.004	LIST PRICE
PSU-1.50X1.00X.375	1.500 +0.006/-0	0.375	0.394	1.000 +0.006/-0	1.499	\$ 7.40
PSU-1.50X1.12X.250	1.500 +0.004/-0	0.250	0.263	1.125 +0.004/-0	1.499	5.55
PSU-1.50X1.25X.187	1.500 +0.003/-0	0.187	0.196	1.250 +0.003/-0	1.499	4.13
PSU-1.75X1.25X.375	1.750 +0.006/-0	0.375	0.394	1.250 +0.006/-0	1.749	7.74
PSU-1.75X1.37X.250	1.750 +0.004/-0	0.250	0.263	1.375 +0.004/-0	1.749	5.68
PSU-1.75X1.37X.500	1.750 +0.004/-0	0.500	0.526	1.375 +0.004/-0	1.749	10.03
PSU-2.00X1.50X.375	2.000 +0.006/-0	0.375	0.394	1.500 +0.006/-0	1.999	9.08
PSU-2.00X1.62X.312	2.000 +0.004/-0	0.312	0.328	1.625 +0.004/-0	1.999	7.15
PSU-2.00X1.62X.375	2.000 +0.004/-0	0.375	0.394	1.625 +0.004/-0	1.999	8.24
PSU-2.25X1.87X.312	2.250 +0.004/-0	0.312	0.328	1.875 +0.004/-0	2.249	8.89
PSU-2.50X2.00X.375	2.500 +0.004/-0	0.375	0.394	2.000 +0.004/-0	2.499	8.89
PSU-2.50X2.12X.312	2.500 +0.004/-0	0.312	0.328	2.125 +0.004/-0	2.499	7.89
PSU-2.50X2.12X.375	2.500 +0.004/-0	0.375	0.394	2.125 +0.004/-0	2.499	8.82
PSU-3.00X2.50X.375	3.000 +0.006/-0	0.375	0.394	2.500 +0.006/-0	2.999	9.44
PSU-3.00X2.50X.500	3.000 +0.006/-0	0.500	0.550	2.500 +0.006/-0	2.999	19.24
PSU-3.00X2.62X.312	3.000 +0.004/-0	0.312	0.328	2.625 +0.004/-0	2.999	9.44
PSU-3.00X2.62X.375	3.000 +0.004/-0	0.375	0.394	2.625 +0.004/-0	2.999	9.44
PSU-3.25X2.75X.550	3.250 +0.004/-0	0.550	0.577	2.750 +0.004/-0	3.249	15.20
PSU-3.25X2.87X.312	3.250 +0.004/-0	0.312	0.328	2.875 +0.004/-0	3.249	9.65
PSU-3.50X3.00X.375	3.500 +0.006/-0	0.375	0.394	3.000 +0.006/-0	3.499	10.60
PSU-3.50X3.12X.312	3.500 +0.004/-0	0.312	0.328	3.125 +0.004/-0	3.499	9.95
PSU-3.50X3.12X.375	3.500 +0.004/-0	0.375	0.394	3.125 +0.004/-0	3.499	10.11
PSU-3.75X3.37X.312	3.750 +0.004/-0	0.312	0.328	3.375 +0.004/-0	3.749	10.32
PSU-4.00X3.50X.375	4.000 +0.006/-0	0.375	0.394	3.500 +0.006/-0	3.999	15.62

PSU PISTON SEALS

143

PISTON SEAL ASSEMBLIES

PART NUMBER	A BORE DIAMETER	B SEAL HEIGHT	D GROOVE WIDTH TOL. +0.015/-0	E GROOVE DIAMETER	F PISTON DIAMETER TOL. +0/-0.004	LIST PRICE
PSU-4.00X3.62X.375	4.000 +0.004/-0	0.375	0.394	3.625 +0.004/-0	3.999	\$ 10.76
PSU-4.50X4.00X.375	4.500 +0.006/-0	0.375	0.394	4.000 +0.006/-0	4.499	13.00
PSU-4.50X4.00X.562	4.500 +0.004/-0	0.562	0.591	4.000 +0.004/-0	4.499	18.50
PSU-5.00X4.37X.500	5.000 +0.006/-0	0.500	0.526	4.375 +0.006/-0	4.999	34.53
PSU-5.00X4.50X.375	5.000 +0.006/-0	0.375	0.394	4.500 +0.006/-0	4.999	14.15
PSU-5.00X4.50X.500	5.000 +0.006/-0	0.500	0.526	4.500 +0.006/-0	4.999	23.34
PSU-5.00X4.50X.562	5.000 +0.006/-0	0.562	0.591	4.500 +0.006/-0	4.999	23.34
PSU-5.25X4.75X.562	5.250 +0.006/-0	0.562	0.591	4.750 +0.006/-0	5.249	23.55
PSU-5.50X5.00X.375	5.500 +0.006/-0	0.375	0.394	5.000 +0.006/-0	5.499	29.68
PSU-6.00X5.50X.375	6.000 +0.006/-0	0.375	0.394	5.500 +0.006/-0	5.999	32.23
PSU-6.00X5.50X.562	6.000 +0.006/-0	0.562	0.591	5.500 +0.006/-0	5.999	32.23
PSU-6.50X6.00X.562	6.500 +0.006/-0	0.562	0.591	6.000 +0.006/-0	6.499	32.57

NOTE: Larger sizes are available with lead time.

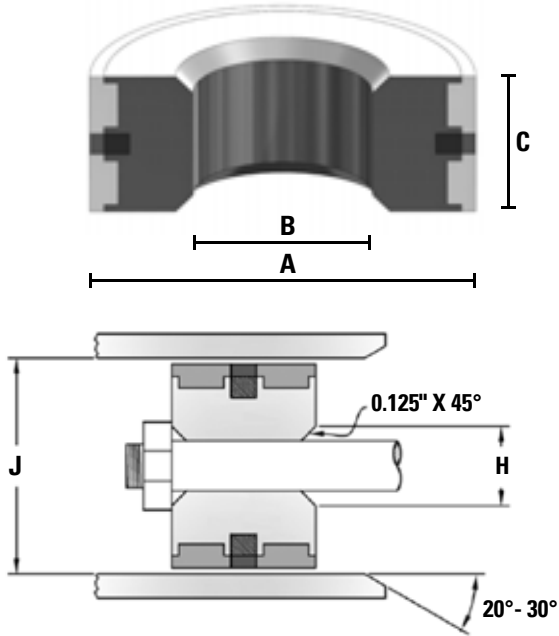


INCH



[SEAL INFORMATION]

UP

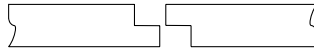
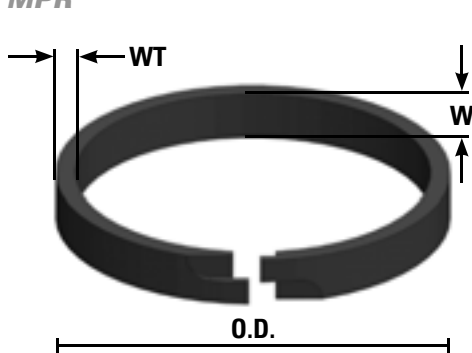
**MATERIAL** STEEL, NYLON, NBR, PTFE**TEMPERATURE RANGE** -40° TO +230° F**PRESSURE RANGE** 0 TO 5,000 PSI**PART NUMBER** (Prefix) - (OEM#)

Designed with the cylinder rebuilder in mind, unitized pistons are a single assembly, machined to exact dimensions, and comprised of a high strength steel piston, a nylon bearing, a rubber loader and a filled PTFE extrusion ring. These pistons simplify the rebuilding process with improved quality and increased durability due to the substitution of multiple components in the groove by the single unitized assembly. Note that the Bobcat pistons have no counter bore."

PART NUMBER	A NOMINAL DIAMETER	A FINISHED DIAMETER	B NOMINAL I.D.	H HOLE DIAMETER	C LENGTH/WIDTH	LIST PRICE
UP-6661694	2.000	1.997/1.995	3/4	0.753/0.751	1.255/1.245	\$ 91.71
UP-6665013	2.000	1.996/1.994	3/4	0.755/0.752	1.000/0.995	77.03
UP-6661820	2.250	2.246/2.244	1	1.003/1.001	1.250/1.245	94.68
UP-6665207	2.250	2.246/2.244	1	1.003/1.001	1.005/1.000	92.93
UP-6667291	2.500	2.505/2.503	1	1.003/1.001	1.005/1.000	94.68
UP-6673791	2.500	2.505/2.503	1-1/8	1.128/1.126	1.005/1.000	96.12
UP-6666286	2.750	2.749/2.747	1-1/8	1.128/1.126	1.005/1.000	103.06
UP-6665715	3.000	3.005/3.003	7/8	0.878/0.876	1.005/1.000	108.27
UP-6669993	3.000	3.005/3.003	1-1/8	1.128/1.126	1.005/1.000	108.27

[SEAL INFORMATION]

MPR

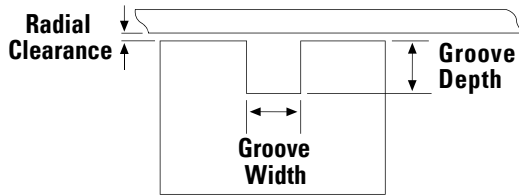


BC = BUTT CUT
H = HOOK JOINT

MATERIAL	CAST IRON
PART NUMBER	(Prefix) - (OD)

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 cast 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 a cast 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	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-1000	1.000	.123/.124	.045/.055	\$ 10.19
MPR-1001	1.000	.093/.094	.045/.055	19.40
MPR-1375-H	1.375	.0975/.0965	.050/.060	26.87
MPR-1500	1.500	.123/.124	.055/.060	11.26
MPR-1501	1.500	.092/.093	.060/.075	10.83
MPR-1530	1.530	.123/.124	.050/.060	7.86
MPR-1750	1.750	.123/.124	.060/.075	8.68
MPR-1751	1.750	.092/.093	.060/.075	8.68
MPR-1875	1.875	.123/.124	.060/.075	11.31
MPR-2000	2.000	.123/.124	.060/.075	9.25
MPR-2001	2.000	.186/.187	.065/.075	8.98
MPR-2002	2.000	.248/.149	.060/.075	11.25
MPR-2003	2.000	.092/.093	.082/.097	10.83
MPR-2006	2.000	.123/.124	.077/.087	10.83
MPR-2030	2.030	.123/.124	.065/.090	10.83

PART NUMBER	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-2125	2.125	.186/.187	.060/.075	\$ 18.52
MPR-2126	2.125	.123/.124	.060/.070	10.93
MPR-2250	2.250	.186/.187	.070/.085	10.93
MPR-2251	2.250	.123/.124	.077/.085	10.62
MPR-2254	2.250	.248/.249	.085/.070	11.74
MPR-2376	2.375	.185/.186	.076/.091	11.74
MPR-2500	2.500	.1235/.1245	.082/.097	8.72
MPR-2501	2.500	.186/.187	.082/.097	8.72
MPR-2502	2.500	.248/.249	.103/.118	9.05
MPR-2503	2.500	.123/.124	.103/.118	12.21
MPR-2530	2.530	.123/.124	.087/.107	9.05
MPR-2625	2.625	.185/.186	.087/.102	19.03
MPR-2750	2.750	.186/.187	.091/.106	10.82
MPR-2752	2.750	.155/.156	.100/.125	9.18
MPR-2754	2.750	.186/.187	.103/.118	12.96



INCH



MPR CAST IRON PISTON RINGS

PISTON RINGS

PART NUMBER	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-2755	2.755	.118/.119	.109/.124	\$ 17.89
MPR-2875	2.875	.186/.187	.100/.105	10.93
MPR-3000	3.000	.186/.187	.100/.125	9.06
MPR-3001	3.000	.248/.249	.103/.118	9.42
MPR-3002	3.000	.186/.187	.123/.138	10.91
MPR-3003	3.000	.310/.311	.095/.110	9.46
MPR-3004	3.000	.123/.124	.095/.110	11.23
MPR-3120	3.125	.1855/.1865	.100/.115	11.17
MPR-3250	3.250	.186/.187	.103/.118	9.06
MPR-3251	3.250	.123/.124	.103/.118	9.06
MPR-3252	3.250	.248/.249	.103/.118	9.17
MPR-3253	3.250	.154/.155	.121/.134	9.56
MPR-3255	3.250	.1855/.1865	.123/.138	64.11
MPR-3260	3.260	.248/.249	.115/.130	11.25
MPR-3280	3.280	.1855/.1865	.109/.130	9.56
MPR-3375	3.375	.185/.186	.106/.121	14.95
MPR-3497	3.497	.186/.187	.109/.124	9.56
MPR-3500	3.500	.123/.124	.109/.124	9.56
MPR-3502	3.500	.248/.249	.109/.124	9.56
MPR-3503	3.500	.3725/.374	.109/.124	15.10
MPR-3505	3.500	.186/.187	.109/.124	9.56
MPR-3520-BC	3.520	.184/.186	.130/.140	10.28
MPR-3625	3.625	.248/.249	.155/.160	12.79
MPR-3626	3.625	.248/.249	.170/.185	18.97
MPR-3750	3.750	.186/.187	.115/.130	9.82
MPR-3751	3.750	.248/.249	.109/.124	9.82
MPR-3752	3.750	.1850/.1865	.190/.175	24.85
MPR-3875	3.875	.249/.250	.132/.137	9.92
MPR-3990	3.990	.248/.249	.127/.142	9.92
MPR-4000	4.000	.248/.249	.127/.142	9.92
MPR-4002	4.000	.186/.187	.127/.142	9.57
MPR-4003	4.000	.310/.311	.135/.145	9.92
MPR-4007	4.000	.1865/.1855	.199/.184	16.88
MPR-4020	4.020	.310/.311	.127/.142	12.50
MPR-4030	4.030	.248/.249	.127/.142	9.92
MPR-4250	4.250	.248/.249	.135/.150	10.47
MPR-4251	4.250	.249/.248	.181/.166	14.11
MPR-4252-BC	4.250	.248/.249	.167/.177	20.34
MPR-4260	4.260	.248/.249	.152/.167	11.05
MPR-4496	4.496	.248/.249	.140/.160	10.70
MPR-4500	4.500	.310/.311	.145/.160	10.68
MPR-4501	4.500	.1855/.1865	.145/.160	10.47
MPR-4502	4.500	.248/.249	.145/.160	10.82
MPR-4503	4.500	.372/.373	.145/.160	17.85

PART NUMBER	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-4504	4.500	.249/.248	.199/.184	\$ 16.67
MPR-4506-BC	4.500	.248/.249	.115/.130	40.25
MPR-4520-BC	4.520	.184/.186	.150/.180	13.42
MPR-4540	4.540	.184/.187	.155/.170	10.68
MPR-4751	4.750	.248/.249	.152/.167	10.70
MPR-4876-BC	4.875	.372/.373	.109/.124	41.03
MPR-5000	5.000	.248/.249	.140/.150	11.04
MPR-5001	5.000	.186/.187	.160/.175	11.04
MPR-5002	5.000	.248/.249	.165/.180	11.04
MPR-5003	5.000	.372/.373	.155/.165	14.62
MPR-5004	5.000	.310/.311	.165/.180	12.73
MPR-5005	5.000	.123/.124	.165/.175	14.40
MPR-5030	5.030	.248/.249	.165/.185	12.72
MPR-5120	5.125	.248/.249	.166/.172	15.93
MPR-5121	5.125	.248/.249	.145/.160	22.84
MPR-5251	5.250	.248/.249	.166/.181	17.15
MPR-5252	5.250	.278/.279	.160/.170	39.18
MPR-5260	5.260	.248/.249	.180/.195	13.79
MPR-5496	5.496	.248/.249	.140/.160	14.70
MPR-5500	5.500	.310/.311	.175/.190	14.90
MPR-5501	5.500	.186/.187	.168/.187	14.90
MPR-5502	5.500	.248/.249	.175/.190	14.90
MPR-5503	5.500	.372/.373	.165/.177	19.75
MPR-5520-BC	5.520	.184/.186	.180/.210	21.02
MPR-5540	5.540	.184/.186	.180/.210	23.74
MPR-5750	5.750	.1855/.1865	.184/.199	22.64
MPR-5751	5.750	.248/.249	.184/.199	15.58
MPR-5752	5.750	.310/.311	.175/.195	16.25
MPR-6000	6.000	.248/.249	.140/.160	15.07
MPR-6001	6.000	.1225/.1240	.191/.206	20.23
MPR-6002	6.000	.248/.249	.191/.206	15.06
MPR-6004	6.000	.310/.311	.191/.206	15.06
MPR-6005	6.000	.3715/.373	.191/.206	17.70
MPR-6006	6.000	.184/.185	.195/.205	18.90
MPR-6030	6.030	.2475/.249	.191/.206	18.90
MPR-6040	6.040	.185/.186	.190/.205	21.74
MPR-6120	6.125	.248/.249	.190/.205	23.22
MPR-6250	6.250	.185/.1865	.202/.217	28.27
MPR-6251	6.250	.310/.311	.205/.220	20.40
MPR-6252	6.250	.248/.249	.202/.217	20.43
MPR-6260	6.260	.248/.249	.191/.206	16.26
MPR-6496	6.496	.248/.249	.140/.160	17.65
MPR-6500	6.500	.310/.311	.210/.225	17.22
MPR-6501	6.501	.185/.1865	.211/.226	25.43



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MPR CAST IRON PISTON RINGS

147

PISTON RINGS

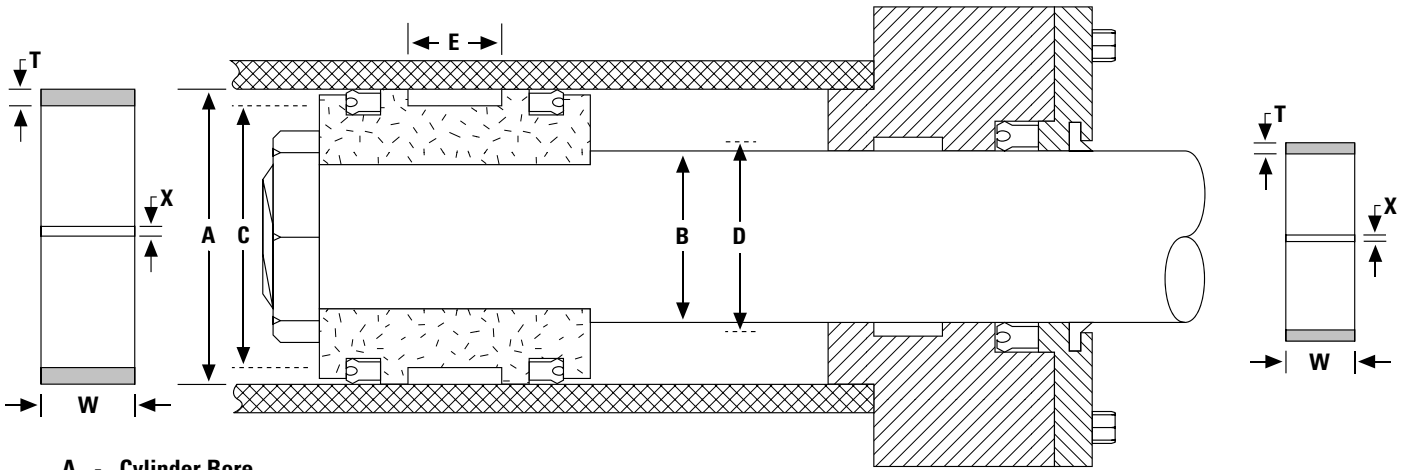
PART NUMBER	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-6502	6.500	.248/.249	.210/.225	\$ 17.22
MPR-6503	6.500	.186/.187	.211/.226	18.53
MPR-6505	6.500	.497/.499	.210/.225	37.92
MPR-6520-BC	6.520	.185	.225	43.43
MPR-6540	6.540	.248/.249	.230/.240	62.52
MPR-6750	6.750	.248/.249	.175/.190	20.86
MPR-6751	6.750	.395/.311	.219/.234	24.42
MPR-6752	6.750	.248/.249	.219/.234	20.43
MPR-7000	7.000	.248/.249	.140/.160	21.76
MPR-7002	7.000	.248/.249	.228/.243	21.76
MPR-7003	7.000	.371/.373	.228/.243	25.65
MPR-7004	7.000	.240	.237/.252	21.78
MPR-7005	7.000	.311/.312	.228/.243	25.65
MPR-7006	7.000	.497/.498	.228/.243	30.28
MPR-7030	7.030	.3095/.311	.233/.263	25.65
MPR-7125	7.125	.2475/.249	.237/.252	35.79
MPR-7250	7.250	.248/.249	.160/.175	28.54
MPR-7251	7.250	.248/.249	.237/.252	37.29
MPR-7255	7.250	.310/.311	.230/.240	32.30
MPR-7260	7.260	.248/.249	.253/.268	22.76
MPR-7375	7.375	.3715/.373	.191/.206	27.55
MPR-7496	7.496	.248/.249	.140/.160	25.29
MPR-7500	7.500	.310/.311	.210/.225	39.11
MPR-7501	7.500	.2475/.249	.245/.260	26.38
MPR-7505	7.500	.311/.312	.244/.259	31.77
MPR-7520-BC	7.520	.184/.186	.249/.279	70.44
MPR-7750	7.750	.310/.311	.252/.267	34.79
MPR-8000	8.000	.310/.311	.210/.225	39.12
MPR-8001	8.000	.434/.435	.255/.270	41.53
MPR-8005	8.000	.310/.311	.260/.275	28.54
MPR-8006	8.000	.373/.374	.260/.275	33.51
MPR-8030	8.030	.309/.311	.265/.295	30.20
MPR-8125	8.125	.434/.435	.255/.270	57.61

PART NUMBER	O.D.	WIDTH	WALL THICKNESS	LIST PRICE
MPR-8250	8.250	.373/.374	.268/.283	\$ 44.25
MPR-8370	8.375	.2475/.249	.268/.283	36.18
MPR-8420	8.420	.248/.249	.291/.306	31.62
MPR-8496	8.496	.248/.249	.140/.160	40.26
MPR-8500	8.500	.310/.311	.210/.225	47.08
MPR-8502	8.500	.373/.374	.270/.285	46.80
MPR-8503	8.500	.310/.311	.294/.309	47.08
MPR-8520-BC	8.520	.185/.186	.280/.310	45.54
MPR-8751	8.750	.374/.376	.300/.305	57.04
MPR-9000	9.000	.373/.374	.294/.309	46.17
MPR-9001	9.000	.310/.311	.294/.309	49.32
MPR-9004	9.000	.4335/.435	.244/.259	52.45
MPR-9005	9.000	.4965/.498	.175/.190	67.83
MPR-9025	9.025	.247/.248	.313/.328	82.68
MPR-9170	9.170	.310/.311	.305/.320	60.04
MPR-9250	9.250	.248/.249	.160/.175	91.92
MPR-9251	9.250	.3095/.311	.300/.315	92.48
MPR-9500	9.500	.310/.311	.305/.320	134.89
MPR-9501	9.500	.248/.249	.317/.318	128.77
MPR-9502	9.500	.371/.373	.305/.320	105.25
MPR-9746	9.746	.248/.249	.140/.160	95.62
MPR-9885	9.885	.248/.249	.325/.340	93.60
MPR-10000	10.000	.310/.311	.320/.330	94.45
MPR-10001	10.000	.371/.373	.317/.332	88.80
MPR-10030	10.030	.310/.311	.335/.345	100.08
MPR-10501	10.500	.371/.373	.317/.332	103.59
MPR-10502	10.500	.623/.624	.235/.248	163.81
MPR-10503	10-1/2	.248/.249	.365/.380	130.27
MPR-11000	11.000	.472/.474	.302/.317	121.53
MPR-11001	11.000	.4965/.498	.175/.190	148.33
MPR-12001	12.000	.434/.435	.358/.373	150.08
MPR-12030	12.030	.371/.373	.386/.401	133.71



INCH





- 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
.505"	.122"	1/16"	.630"	.122"	1/16"	.755"	.122"	1/16"	1.005"	.122"	1/16"
.510"	.125"		.635"	.125"		.760"	.125"		1.010"	.125"	

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 O.D.	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



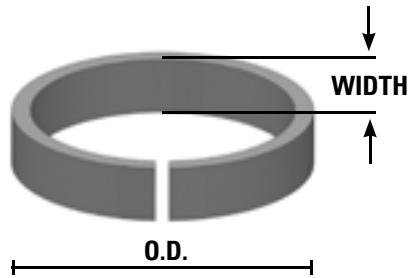
606 NYLON WEAR RINGS 1/16" THICK

149

WEAR RINGS

[SEAL INFORMATION]

606

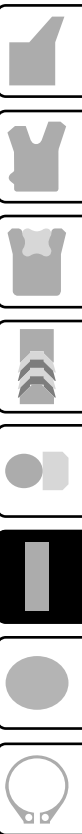


TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	27,000 PSI
COMPRESSIVE STRENGTH	35,000 PSI
PART NUMBER	(Prefix) - (OD) - (Width)

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

PART NUMBER	O.D.	WIDTH	LIST PRICE
606-075-031	3/4	5/16	\$ 4.43
606-087-050	7/8	1/2	10.41
606-112-050	1-1/8	1/2	6.39
606-125-050-SC	1-1/4	1/2	11.31
606-125-075-SC	1-1/4	3/4	10.48
606-125-100	1-1/4	1	10.63
606-137-050	1-3/8	1/2	8.31
606-137-098-SC	1-3/8	.980	8.48
606-150-031-SC	1-1/2	5/16	8.75
606-150-037-SC	1-1/2	3/8	9.19
606-162-082	1-5/8	13/16	9.72
606-162-098-SC	1-5/8	.980	9.91
606-162-124-SC	1-5/8	1-1/4	15.58
606-187-082	1-7/8	.820	15.60
606-187-098-SC	1-7/8	.980	20.43
606-200-025-SC	2	1/4	14.42
606-200-031-SC	2	5/16	10.26
606-200-072-SC	2	.720	18.50
606-200-098-SC	2	.980	19.05
606-212-072-SC	2-1/8	.720	16.81
606-212-098-SC	2-1/8	.980	7.02
606-212-125	2-1/8	1-1/4	17.29
606-225-036	2-1/4	.360	45.48
606-225-072-SC	2-1/4	.720	20.44
606-225-098-SC	2-1/4	.980	20.56
606-225-100	2-1/4	1	29.76
606-237-098-SC	2-3/8	.980	20.90
606-237-100	2-3/8	1	17.79
606-237-118	2-3/8	1-3/16	21.65
606-237-148-SC	2-3/8	1.48	13.95
606-250-031-SC	2-1/2	5/16	10.30
606-250-050	2-1/2	1/2	14.39

PART NUMBER	O.D.	WIDTH	LIST PRICE
606-250-126-SC	2-1/2	1.260	\$ 15.05
606-262-072-SC	2-5/8	.720	18.29
606-262-098-SC	2-5/8	.980	24.38
606-262-124-SC	2-5/8	1.240	22.12
606-262-148-SC	2-5/8	1.480	24.33
606-262-168-SC	2-5/8	1-11/16	24.31
606-275-050	2-3/4	1/2	22.51
606-275-098-SC	2-3/4	.980	15.77
606-275-100	2-3/4	1	18.25
606-287-098-SC	2-7/8	.980	17.83
606-287-100-SC	2-7/8	1	39.02
606-287-126-SC	2-7/8	1.260	31.06
606-287-157-SC	2-7/8	1-9/16	34.09
606-287-179	2-7/8	1.790	42.91
606-287-181-SC	2-7/8	1-13/16	28.12
606-312-098-SC	3-1/8	.980	13.17
606-312-124-SC	3-1/8	1.240	33.24
606-312-148-SC	3-1/8	1.480	46.37
606-312-156	3-1/8	1-9/16	43.85
606-312-165-SC	3-1/8	1.650	27.46
606-325-031-SC	3-1/4	5/16	10.83
606-325-050	3-1/4	1/2	8.28
606-337-168	3-3/8	1-11/16	42.78
606-337-174	3-3/8	1.740	35.73
606-337-187	3-3/8	1-7/8	49.71
606-362-105	3-5/8	1.050	37.33
606-362-188-SC	3-5/8	1-7/8	52.94
606-387-157	3-7/8	1.570	72.39
606-400-031-SC	4	5/16	21.15
606-500-043-SC	5	7/16	21.92
606-600-043-SC	6	7/16	22.46
606-800-050-SC	8	1/2	31.86



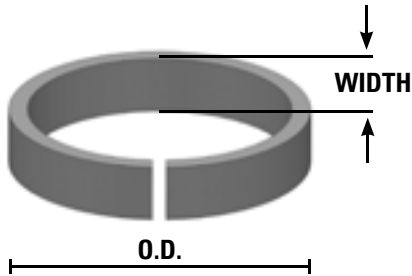
INCH



608 NYLON WEAR RINGS .078" THICK

[SEAL INFORMATION]

608



TEMPERATURE RANGE -40° TO +250° F

TENSILE STRENGTH 27,000 PSI

COMPRESSIVE STRENGTH 35,000 PSI

PART NUMBER (Prefix) - (OD) - (Width)

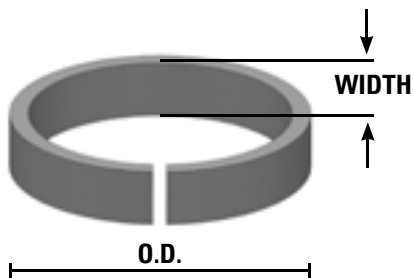
PART NUMBER	O.D.	WIDTH	LIST PRICE
608-125-050	1-1/4	1/2	\$ 8.40
608-152-075	1.520	3/4	8.69

PART NUMBER	O.D.	WIDTH	LIST PRICE
608-154-075	1.540	.078	\$ 8.69
608-166-062	1.66	.625	8.13

609 NYLON WEAR RINGS 3/32" THICK

[SEAL INFORMATION]

609



TEMPERATURE RANGE -40° TO +250° F

TENSILE STRENGTH 27,000 PSI

COMPRESSIVE STRENGTH 35,000 PSI

PART NUMBER (Prefix) - (OD) - (Width)

PART NUMBER	O.D.	WIDTH	LIST PRICE
609-125-018	1-1/4	3/16	\$ 3.35
609-125-037	1-1/4	3/8	29.27
609-150-018	1-1/2	3/16	5.48
609-150-037	1-1/2	3/8	10.74
609-200-019	2	3/16	4.15
609-218-037	2-3/16	3/8	7.64
609-250-037	2-1/2	3/8	11.41
609-255-150	2.55	1-1/2	14.58
609-285-100	2.85	1	10.58

PART NUMBER	O.D.	WIDTH	LIST PRICE
609-300-022	3	7/32	\$ 2.99
609-325-037	3-1/4	3/8	11.93
609-331-062	3-5/16	5/8	8.95
609-350-050	3-1/2	1/2	10.25
609-362-022	3-5/8	7/32	7.62
609-393-022	3-15/16	7/32	3.12
609-400-037	4	3/8	13.21
609-500-050	5	1/2	14.41
609-600-050	6	1/2	14.84

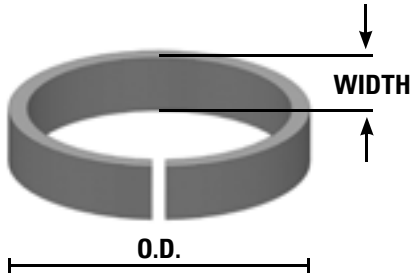
610 NYLON WEAR RINGS .100" THICK

151

WEAR RINGS

[SEAL INFORMATION]

610



TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	27,000 PSI
COMPRESSIVE STRENGTH	35,000 PSI
PART NUMBER	(Prefix) - (OD) - (Width)

PART NUMBER	O.D.	WIDTH	LIST PRICE
610-270-228	2.70	2.28	\$ 65.53
610-295-196	2.95	1.96	55.04
610-300-099-SC	3.00	.99	12.69
610-320-117-SC	3.20	1.17	43.43
610-325-112	3.25	1-1/8	50.42
610-345-162-SC	3.45	1-5/8	42.97
610-345-196	3.45	1.96	48.86
610-345-274-SC	3.45	2.74	70.06
610-370-176	3.70	1.76	65.15
610-370-188-SC	3.70	1.88	74.21
610-370-236-SC	3.70	2.36	51.53
610-395-243	3.95	2-7/16	75.45

PART NUMBER	O.D.	WIDTH	LIST PRICE
610-420-156-SC	4.20	1-9/16	\$ 70.28
610-420-255	4.20	2.55	58.25
610-445-237	4.45	2-3/8	79.67
610-470-196-SC	4.70	1.96	47.32
610-495-196-SC	4.95	1.96	49.43
610-518-300-SC	5.18	3	82.51
610-520-250	5.20	2-1/2	75.79
610-550-249-SC	5.50	2.49	84.09
610-595-196-SC	5.95	1.96	84.55
610-595-361	5.95	3.61	111.29
610-720-314	7.20	3.14	106.93
610-820-295-SC	8.20	2.95	116.25

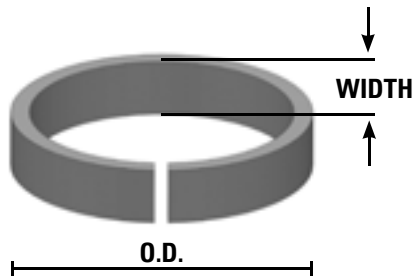


INCH



[SEAL INFORMATION]

612

**TEMPERATURE RANGE** -40° TO +250° F**TENSILE STRENGTH** 27,000 PSI**COMPRESSIVE STRENGTH** 35,000 PSI**PART NUMBER** (Prefix) - (OD) - (Width)

612 wear rings are made of glass reinforced nylon. With physical properties equivalent to bronze they are highly recommended because of their wear rate and non-scoring properties and their ability to ingest metal chips. NOTE: "SC" suffix designates a Scarf Cut wear ring, "ST" a Step Cut wear ring and "SL" Slots on the O.D., "F" designates a piston application and "R" designates a rod application. "P" means precision or tight tolerance radial wall.

PART NUMBER	O.D.	LIST PRICE
0.16" WIDE		
612-200-016	2	\$ 19.37
612-250-016P	2-1/2	13.29
612-300-016P	3	18.12
612-350-016P	3-1/2	19.68
612-375-016P	3-3/4	23.82
612-400-016P	4	19.22
3/16" WIDE		
612-200-018	2	\$ 7.10
612-250-018	2-1/2	4.05
612-450-018	4-1/2	14.26
1/4" WIDE		
612-150-025	1-1/2	\$ 2.18
612-175-025	1-3/4	3.34
612-200-025	2	2.91
612-225-025	2-1/4	3.02
612-250-025	2-1/2	3.34
612-275-025	2-3/4	6.75
612-300-025	3	3.48
612-306-025	3-1/16	6.85
612-325-025	3-1/4	3.73
612-350-025	3-1/2	4.18
612-387-025	3-7/8	5.52
612-425-025	4-1/4	8.83
612-450-025	4-1/2	7.15
612-500-025	5	8.23
612-1000-025	10	53.87
0.26" WIDE		
612-218-026	2-3/16	\$ 3.96

PART NUMBER	O.D.	LIST PRICE
5/16" WIDE		
612-200-031	2	\$ 5.36
612-225-031	2-1/4	3.61
612-250-031	2-1/2	3.39
612-275-031	2-3/4	3.79
612-275-031P	2-3/4	6.48
612-300-031	3	3.73
612-325-031	3-1/4	3.78
612-350-031	3-1/2	10.22
612-375-031	3-3/4	8.04
612-400-031	4	8.95
3/8" WIDE		
612-100-037	1	\$ 3.22
612-112-037	1-1/8	3.22
612-125-037	1-1/4	3.22
612-150-037	1-1/2	3.22
612-162-037	1-5/8	4.31
612-175-037	1-3/4	3.25
612-200-037	2	3.25
612-212-037	2-1/8	3.44
612-225-037	2-1/4	3.54
612-250-037	2-1/2	3.44
612-275-037	2-3/4	3.59
612P-300-037P	3	5.36
612-300-037-SC	3	3.70
612-325-037	3-1/4	3.79
612-350-037	3-1/2	3.71
612-375-037	3-3/4	4.81
612-400-037	4	4.81

PART NUMBER	O.D.	LIST PRICE
3/8" WIDE		
612-425-037	4-1/4	\$ 4.93
612-450-037	4-1/2	5.01
612-475-037	4-3/4	7.05
612-500-037	5	5.17
612-550-037	5-1/2	4.06
612-600-037	6	5.83
612-650-037	6-1/2	9.72
0.42" WIDE		
612-412-042	4-1/8	\$ 11.90
7/16" WIDE		
612-350-043	3-1/2	\$ 7.78
1/2" WIDE		
612-125-050	1-1/4	\$ 3.69
612-137-050	1-3/8	3.52
612-150-050	1-1/2	3.02
612-162-050	1-5/8	3.00
612-175-050	1-3/4	3.00
612-187-050	1-7/8	3.14
612R-200-050P	2	6.25
612-200-050	2	3.23
612-200-050-ST	2	8.76
612-212-050	2-1/8	3.67
612-218-050	2-3/16	10.69
612-225-050	2-1/4	4.08
612-225-050-SC	2-1/4	6.78
612-237-050	2-3/8	3.32
612-250-050	2-1/2	3.35
612-250-050-ST	2-1/2	6.23

612 NYLON WEAR RINGS 1/8" THICK

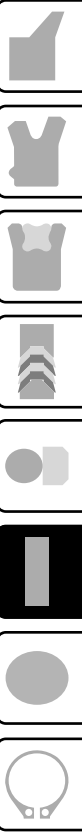
153

WEAR RINGS

PART NUMBER	O.D.	LIST PRICE
1/2" WIDE		
612-262-050	2-5/8	\$ 5.38
612-275-050	2-3/4	3.37
612-287-050	2-7/8	6.66
612-300-050	3	3.43
612-300-050-ST	3	11.56
612-300-050P	3	9.60
612-300-050P-SC	3	14.10
612-312-050	3-1/8	5.80
612-325-050	3-1/4	3.49
612-350-050	3-1/2	3.51
612-362-050	3-5/8	6.36
612-375-050	3-3/4	3.63
612-375-050-ST	3-3/4	19.09
612-375-050P-SC	3-3/4	10.84
612-400-050	4	3.63
612-425-050	4-1/4	3.71
612-437-050-SC	4-3/8	13.93
612-450-050	4-1/2	3.81
612-450-050P	4-1/2	8.41
612-475-050	4-3/4	3.81
612-500-050	5	3.81
612-525-050	5-1/4	3.81
612-525-050P	5-1/4	9.23
612-550-050	5-1/2	3.81
612-550-050P	5-1/2	15.88
612-550-050-ST	5-1/2	7.53
612-575-050	5-3/4	6.33
612-600-050	6	4.35
612-600-050P-SC	6	7.89
612-625-050	6-1/4	5.00
612-650-050	6-1/2	5.00
612-675-050	6-3/4	5.88
612-700-050	7	5.00
612-725-050	7-1/4	8.93
612-750-050	7-1/2	6.17
612-775-050	7-3/4	18.16
612-800-050	8	6.45
612-850-050	8-1/2	9.68
612-862-050	8-5/8	10.55
612-900-050	9	9.61
612-950-050	9-1/2	10.75
612-975-050	9-3/4	10.26
612-987-050	9-7/8	16.85
612-1000-050	10	16.85

PART NUMBER	O.D.	LIST PRICE
1/2" WIDE		
612-1050-050	10-1/2	\$ 25.87
612-1100-050	11	23.34
612-1200-050	12	31.20
612-1400-050	14	204.48
612-1600-050	16	241.25
612-1800-050	18	217.54
612-2000-050	20	301.62
5/8" WIDE		
612-150-062	1-1/2	\$ 4.05
612-200-062	2	4.23
612-225-062	2-1/4	3.79
612-250-062	2-1/2	4.02
612-262-062	2-5/8	3.90
612-275-062	2-3/4	3.90
612-275-062-SC	2-3/4	10.32
612-300-062	3	3.67
612-325-062	3-1/4	3.86
612-350-062-ST	3-1/2	5.62
612-350-062	3-1/2	3.94
612-362-062	3-5/8	6.97
612-375-062	3-3/4	4.07
612-400-062	4	4.24
612-400-062-ST	4	4.24
612-425-062	4-1/4	4.24
612-440-062	4.4	4.24
612-450-062	4-1/2	4.24
612-475-062	4-3/4	9.57
612-500-062	5	4.24
612-525-062	5-1/4	4.24
612-550-062	5-1/2	4.50
612-575-062	5-3/4	7.75
612-600-062	6	4.63
612-600-062-SC	6	15.73
612-625-062	6-1/4	4.68
612-650-062	6-1/2	12.85
612-700-062	7	5.61
612-700-062-SC	7	10.59
612-725-062	7-1/4	11.93
612-750-062	7-1/2	9.07
612-800-062	8	12.16
612-850-062	8-1/2	12.17
612-900-062	9	11.69
612-950-062	9-1/2	16.18
612-1000-062	10	25.25

PART NUMBER	O.D.	LIST PRICE
11/16" WIDE		
612-700-068	7	\$ 23.34
0.74" WIDE		
612-250-074-SC	2-1/2	\$ 10.35
3/4" WIDE		
612-175-075	1-3/4	\$ 3.85
612-187-075	1-7/8	4.14
612-200-075	2	3.44
612-212-075	2-1/8	4.12
612-225-075	2-1/4	3.35
612-225-075-SC	2-1/4	6.69
612-237-075	2-3/8	3.99
612-250-075	2-1/2	3.99
612-262-075	2-5/8	5.66
612-275-075	2-3/4	4.14
612-287-075	2-7/8	8.02
612-300-075	3	3.94
612-325-075	3-1/4	3.94
612-337-075	3-3/8	5.98
612-350-075	3-1/2	3.97
612-350-075P	3-1/2	13.85
612-362-075	3-5/8	3.97
612-375-075	3-3/4	4.16
612-400-075	4	3.97
612-425-075	4-1/4	4.38
612-450-075	4-1/2	4.14
612-450-075-SC	4-1/2	7.60
612-450-075P	4-1/2	23.52
612-475-075	4-3/4	4.24
612-487-075	4-7/8	7.79
612-500-075	5	4.24
612-525-075	5-1/4	4.32
612-550-075	5-1/2	4.32
612-575-075	5-3/4	5.57
612-600-075	6	4.50
612-625-075	6-1/4	10.02
612-650-075	6-1/2	5.00
612-675-075	6-3/4	5.72
612-700-075	7	7.69
612-725-075	7-1/4	9.09
612-750-075	7-1/2	8.28
612-800-075	8	9.38
612-825-075	8-1/4	11.36
612-850-075	8-1/2	13.27
612-900-075	9	13.35



INCH

612 NYLON WEAR RINGS 1/8" THICK

WEAR RINGS

PART NUMBER	O.D.	LIST PRICE
3/4" WIDE		
612-900-075-SC	9	\$ 17.44
612-950-075	9-1/2	17.90
612-975-075	9-3/4	17.51
612-1000-075	10	17.51
612-1025-075	10-1/4	73.96
612-1150-075	11-1/2	37.02
612-1250-075	12-1/2	138.54
612-1350-075	13-1/2	205.47
7/8" WIDE		
612-100-087-SC	1	\$ 28.46
612-225-087-SC	2-1/4	7.85
612-250-087	2-1/2	6.51
612-287-087	2-7/8	11.98
612-350-087	3-1/2	8.34
612-400-087	4	8.49
612-425-087P	4-1/4	19.40
612-450-087	4-1/2	9.98
612-600-087	6	23.97
612-800-087	8	23.28
15/16" WIDE		
612-275-093-SC	2-3/4	\$ 10.89
612-450-093-SC	4-1/2	14.72
0.99" WIDE		
612-300-099-SC	3	\$ 10.14
612-400-099-SC	4	12.03
612-425-099-SC	4-1/4	13.72
612-450-099-SC	4-1/2	19.55
612-475-099-SC	4-3/4	17.51
1" WIDE		
612-150-100	1-1/2	\$ 7.16
612-175-100	1-3/4	4.50
612-200-100	2	6.06
612-200-100P-SC	2	10.31
612-225-100	2-1/4	8.37
612-225-100-SC	2-1/4	6.66
612-250-100	2-1/2	4.50
612-250-100P	2-1/2	26.23
612-250-100-ST	2-1/2	19.24
612-262-100	2-5/8	8.60
612-275-100	2-3/4	4.44
612-275-100-ST	2-3/4	15.16
612-275-100P-SC	2-3/4	24.86
612-287-100	2-7/8	5.29
612-300-100	3	3.92

PART NUMBER	O.D.	LIST PRICE
1" WIDE		
612-300-100-ST	3	\$ 6.52
612-312-100	2-1/8	6.19
612-325-100	3-1/4	4.40
612-325-100-SC	3-1/4	8.76
612-350-100	3-1/2	6.12
612-350-100-ST	3-1/2	20.13
612-350-100-SL	3-1/2	24.80
612-362-100	3-5/8	10.98
612-375-100	3-3/4	5.83
612-375-100P-SC	3-3/4	12.15
612-387-100	3-7/8	11.85
612-387-100-SC	3-7/8	17.98
612-400-100	4	4.74
612-400-100-SL	4	37.89
612-400-100P-SC	4	12.56
612-412-100	4-1/8	18.13
612-425-100	4-1/4	5.78
612-425-100P	4-1/4	10.53
612-450-100	4-1/2	5.78
612-475-100	4-3/4	5.81
612-500-100	5	5.80
612-525-100	5-1/4	7.36
612-537-100	5-3/8	13.79
612-550-100	5-1/2	5.87
612-575-100	5-3/4	5.97
612-600-100	6	5.97
612-625-100	6-1/4	6.05
612-650-100	6-1/2	6.48
612-675-100	6-3/4	9.59
612-700-100	7	9.07
612-725-100	7-1/4	14.68
612-750-100	7-1/2	14.68
612-775-100	7-3/4	20.12
612-787-100	7-7/8	34.02
612-800-100	8	13.36
612-825-100	8-1/4	14.31
612-850-100	8-1/2	17.95
612-862-100	8-5/8	37.83
612-875-100	8-3/4	28.91
612-900-100	9	18.30
612-912-100	9-1/8	36.35
612-925-100	9-1/4	24.95
612-950-100	9-1/2	22.16
612-1000-100	10	19.63

PART NUMBER	O.D.	LIST PRICE
1" WIDE		
612-1025-100	10-1/4	\$ 24.85
612-1050-100	10-1/2	24.70
612-1100-100	11	28.73
612-1200-100	12	28.11
612-1200-100P	12	52.52
612-1225-100	12-1/4	128.61
612-1325-100	13-1/4	96.95
612-1400-100	14	104.97
612-1600-100	16	122.48
612-1650-100	16-1/2	228.35
1.02" WIDE		
612-525-102-SC	5-1/4	\$ 27.78
1-1/16" WIDE		
612-600-107-SC	6	\$ 28.02
1.11" WIDE		
612-325-111	3-1/4	\$ 14.73
612-500-111-SC	5	15.12
1-1/8" WIDE		
612-350-112-SC	3-1/2	\$ 12.33
612-500-112-SC	5	15.45
1.24" WIDE		
612-300-124-SC	3	\$ 16.23
612-375-124-SC	3-3/4	13.58
612-400-124-SC	4	23.13
612-425-124-SC	4-1/4	16.99
612-475-124-SC	4-3/4	16.71
612-500-124-SC	5	25.98
612-600-124-SC	6	19.91
1-1/4" WIDE		
612-225-125P	2-1/4	\$ 24.52
612-325-125	3-1/4	15.79
612-375-125	3-3/4	15.85
612-400-125	4	15.97
612-425-125-SC	4-1/4	16.32
612-425-125	4-1/4	15.45
612-475-125-SC	4-3/4	16.82
612-525-125	5-1/4	21.11
612-525-125-SC	5-1/4	19.28
612-550-125	5-1/2	16.21
612-600-125	6	21.13
612-650-125	6-1/2	22.72
612-676-125P-SC	6.756	21.45
612-825-125	8-1/4	23.55
612-825-125-SC	8-1/4	31.67



INCH

612 NYLON WEAR RINGS 1/8" THICK

155

WEAR RINGS

PART NUMBER	O.D.	LIST PRICE
1-1/4" WIDE		
612-950-125	9-1/2	\$ 46.11
612-1000-125	10	29.51
612-1025-125-SC	10-1/4	74.23
612-1050-125	10-1/2	65.09
612-1100-125	11	55.31
612-1200-125	12	73.14
612-1225-125	12-1/4	150.50
612-1400-125	14	208.07
1-5/16" WIDE		
612-600-131-SC	6	\$ 23.72
1-3/8" WIDE		
612-550-137	5-1/2	\$ 35.01
612-650-137	6-1/2	20.59
612-725-138	7-1/4	37.23
1.46" WIDE		
612-800-146-ST	8	\$ 50.87
1.49" WIDE		
612-350-149-SC	3-1/2	\$ 21.97
612-375-149	3-3/4	22.92
612-425-149-SC	4-1/4	24.18
612-450-149-SC	4-1/2	24.56
612-525-149-SC	5-1/4	30.47
612-625-149-SC	6-1/4	27.72
612-650-149-SC	6-1/2	25.78
612-700-149-ST	7	32.82
612-750-149-SC	7-1/2	36.30
612-825-149-SC	8-1/4	45.80
1-1/2" WIDE		
612-200-150	2	\$ 18.47
612-262-150	2-5/8	21.36
612-275-150	2-3/4	12.29
612-275-150P	2-3/4	43.26
612-325-150-ST	3-1/4	16.79
612-325-150P	3-1/4	12.29
612-350-150	3-1/2	12.30
612-400-150	4	19.03
612-425-150P	4-1/4	21.93
612-450-150	4-1/2	17.80
612-475-150	4-3/4	21.88
612-500-150	5	18.35
612-525-150	5-1/4	21.37
612-550-150	5-1/2	22.18
612-575-150	5-3/4	23.88
612-600-150	6	24.77

PART NUMBER	O.D.	LIST PRICE
1-1/2" WIDE		
612-600-150-ST	6	\$ 27.49
612-625-150	6-1/4	22.88
612-675-150P	6-3/4	22.86
612-700-150	7	19.15
612-800-150	8	23.92
612-825-150	8-1/4	31.79
612-850-150-ST	8-1/2	38.28
612-900-150	9	81.51
612-925-150-SC	9-1/4	96.62
612-962-150P-SC	9-5/8	71.57
612-1000-150	10	51.30
612-1050-150-ST	10-1/2	160.63
612-1200-150	12	96.59
612-1300-150	13	276.69
612-1400-150	14	174.59
612-1600-150	16	295.40
1.55" WIDE		
612-325-155	3-1/4	\$ 25.11
612-500-155-SC	5	17.61
1-9/16" WIDE		
612-475-156	4-3/4	\$ 33.94
612-512-156	5-1/8	26.06
612-512-156-SC	5-1/8	30.18
1.61" WIDE		
612-550-161	5-1/2	\$ 44.52
612-575-161-SC	5-3/4	47.71
1-5/8" WIDE		
612-325-162-SC	3-1/4	\$ 25.21
612-1100-162	11	137.68
1.74" WIDE		
612-550-174-SC	5-1/2	\$ 25.29
612-600-174-SC	6	40.80
612-625-174-SC	6-1/4	42.16
612-650-174	6-1/2	41.99
612-700-174	7	42.07
612-825-174-SC	8-1/4	41.72
1-3/4" WIDE		
612-450-175	4-1/2	\$ 32.78
612-500-175-SC	5	20.20
612-575-175	5-3/4	25.74
612-1000-175	10	92.36
1.88" WIDE		
612-425-188-SC	4-1/4	\$ 25.85

PART NUMBER	O.D.	LIST PRICE
1.99" WIDE		
612-375-199-SC	3-3/4	\$ 32.70
612-475-199	4-3/4	51.75
612-550-199	5-1/2	51.81
612-575-199	5-3/4	47.83
612-650-199-SC	6-1/2	34.94
612-700-199-SC	7	42.94
612-725-199-SC	7-1/4	44.54
612-775-199	7-3/4	47.90
2" WIDE		
612-275-200P-SC	2-3/4	\$ 15.05
612-325-200	3-1/4	20.60
612-325-200P-SC	3-1/4	22.62
612-475-200	4-3/4	28.71
612-525-200P-SC	5-1/4	31.33
612-600-200	6	40.35
612-625-200	6-1/4	37.37
612-625-200P-SC	6-1/4	30.59
612-650-200	6-1/2	39.89
612-700-200	7	39.89
612-725-200	7-1/4	46.27
612-725-200P-SC	7-1/4	45.37
612-750-200	7-1/2	43.32
612-800-200	8	67.22
612-850-200	8-1/2	45.41
612-900-200	9	123.36
612-1200-200	12	124.99
2-1/8" WIDE		
612-325-212-SC	3-1/4	\$ 23.44
612-825-212-SC	8-1/4	54.54
2.24" WIDE		
612-550-224-SC	5-1/2	\$ 51.58
612-825-224-SC	8-1/4	65.37
2-1/4" WIDE		
612-800-225-SC	8	\$ 113.59
612-925-225-SC	9-1/4	90.58
2.36" WIDE		
612-450-236	4-1/2	\$ 48.10
612-575-236-SC	5-3/4	68.63
612-700-236-SC	7	102.89
612-750-236-SC	7-1/2	77.84
612-850-236-SC	8-1/2	73.31
2-3/8" WIDE		
612-850-237	8-1/2	\$ 92.10



INCH



612 NYLON WEAR RINGS 1/8" THICK

WEAR RINGS

PART NUMBER	O.D.	LIST PRICE
2.49" WIDE		
612-426-249-SC	4.26	\$ 50.95
612-750-249-SC	7-1/2	74.34
612-825-249	8-1/4	94.89
2.74" WIDE		
612-625-274-SC	6-1/4	\$ 122.81
612-650-274-SC	6-1/2	122.81
612-825-274	8-1/4	72.51
612-1050-274	10-1/2	140.63
2.86" WIDE		
612-600-286	6	\$ 80.47
612-650-286	6-1/2	83.10
2-15/16" WIDE		
612-900-293-SC	9	\$ 103.19
2.95" WIDE		
612-750-295-SC	7-1/2	\$ 140.30
3" WIDE		
612-700-300	7	\$ 125.13
612-850-300	8-1/2	141.55

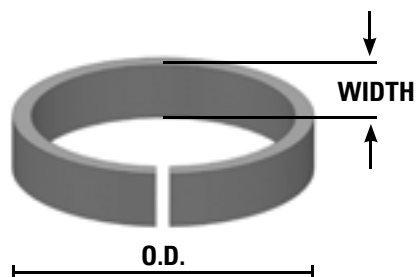
PART NUMBER	O.D.	LIST PRICE
3-1/8" WIDE		
612-700-312-SC	7	\$ 72.43
3.24" WIDE		
612-1000-324-SC	10	\$ 105.46
3.48" WIDE		
612-650-348-SC	6-1/2	\$ 100.15
3-1/2" WIDE		
612-475-350-SC	4-3/4	\$ 49.70
612-775-350-SC	7-3/4	98.16
3.61" WIDE		
612-525-361-SC	5-1/4	\$ 86.91
3.74" WIDE		
612-1050-374-SC	10-1/2	\$ 98.13
3-3/4" WIDE		
612-1050-375	10-1/2	\$ 123.74
3-7/8" WIDE		
612-1150-387-SC	11-1/2	\$ 97.62

PART NUMBER	O.D.	LIST PRICE
3.99" WIDE		
612-1250-399-SC	12-1/2	\$ 171.52
612-1275-399-SC	12-3/4	201.52
612-1375-399-SC	13-3/4	221.67
612-1425-399-SC	14-1/4	230.29
4" WIDE		
612-1050-400	10-1/2	\$ 123.23
4.11" WIDE		
612-825-411-SC	8-1/4	\$ 98.57
5" WIDE		
612-800-500-SC	8	\$ 114.93
7.1" WIDE		
612-725-710-SC	7-1/4	\$ 216.38

616 NYLON WEAR RINGS 3/16" THICK

[SEAL INFORMATION]

616



TEMPERATURE RANGE -40° TO +250° F

TENSILE STRENGTH 27,000 PSI

COMPRESSIVE STRENGTH 35,000 PSI

PART NUMBER (Prefix) - (OD) - (Width)

PART NUMBER	O.D.	LIST PRICE
1/2" WIDE		
616-3003-050	3	\$ 38.42
616-3503-050	3-1/2	12.84
616-4003-050	4	14.13
616-4503-050	4-1/2	18.61
616-5503-050-SC	5-1/2	25.29
616-8003-050	8	26.58
616-9875-050	9-7/8	55.85

PART NUMBER	O.D.	LIST PRICE
5/8" WIDE		
616-2203-062	2.200	\$ 8.65
616-2623-062	2-5/8	13.11
616-2873-062	2-7/8	13.24
616-3063-062	3-1/16	10.69
616-3253-062	3-1/4	26.83
616-6003-062	6	15.09

PART NUMBER	O.D.	LIST PRICE
3/4" WIDE		
616-3003-075	3	\$ 14.74
616-3503-075	3-1/2	13.88
616-4253-075	4-1/4	11.64
616-5123-075	5-1/8	21.24
616-6123-075	6-1/8	26.96
616-6503-075	6-1/2	48.11



INCH

616 NYLON WEAR RINGS 3/16" THICK

157

WEAR RINGS

PART NUMBER	O.D.	LIST PRICE
7/8" WIDE		
616-3003-087	3	\$ 13.35
616-4003-087	4	12.62
616-5003-087	5	15.48
616-5503-087	5-1/2	21.34
616-6003-087	6	26.17
616-7123-087	7-1/8	38.64
61/64" WIDE		
616-6123-095	6-1/8	\$ 40.77
1" WIDE		
616-3123-100	3-1/8	\$ 19.46
616-3503-100	3-1/2	21.14
616-3753-100	3-3/4	24.01
616-4003-100	4	24.01
616-4123-100	4-1/8	24.23
616-4503-100	4-1/2	25.52
616-5003-100	5	26.12
616-5503-100	5-1/2	29.00
616-5753-100	5-3/4	48.43
616-6003-100	6	33.24
616-6753-100	6-3/4	35.22
616-7123-100	7-1/8	42.50
616-7253-100	7-1/4	35.48
616-8503-100	8-1/2	44.44
616-9003-100	9	55.02
616-14003-100	14	185.30
1-1/4" WIDE		
616-3123-125	3-1/8	\$ 40.36
616-3373-125	3-3/8	38.51
616-3623-125	3-5/8	38.75
616-3873-125	3-7/8	22.91
616-5503-125-SC	5-1/2	27.53
616-6003-125	6	22.01
616-7003-125	7	27.14
616-10003-125	10	59.63

PART NUMBER	O.D.	LIST PRICE
1-1/2" WIDE		
616-4373-150	4-3/8	\$ 24.62
616-4875-150	4-7/8	51.16
616-5003-150	5	24.84
616-5503-150	5-1/2	31.10
616-6503-150	6-1/2	38.30
616-8003-150	8	47.37
616-10003-150	10	106.50
1.61" WIDE		
616-7373-161	7-3/8	\$ 89.68
1.74" WIDE		
616-5503-174	5-1/2	\$ 53.61
1-3/4" WIDE		
616-3873-175	3-7/8	\$ 43.59
616-4373-175	4-3/8	24.62
1.93" WIDE		
616-9503-193	9-1/2	\$ 131.39
1.99" WIDE		
616-8253-199	8-1/4	\$ 94.67
2-1/4" WIDE		
616-4875-225	4-7/8	\$ 65.94
2.36" WIDE		
616-13875-236-SC	13.882	\$ 174.98
2-1/2" WIDE		
616-12003-250	12	\$ 145.81
2.61" WIDE		
616-11375-261-SC	11.382	\$ 139.19
2.62" WIDE		
616-3873-262	3-7/8	\$ 68.17
2.74" WIDE		
616-6003-274	6	\$ 92.63
616-8253-274	8-1/4	140.40
2-3/4" WIDE		
616-8003-275	8	\$ 124.11

PART NUMBER	O.D.	LIST PRICE
2.89" WIDE		
616-12873-289	12-7/8	\$ 239.73
3-1/16" WIDE		
616-7253-306	7-1/4	\$ 122.47
4" WIDE		
616-12253-400	12-1/4	\$ 269.35
7.69" WIDE		
616-15125-769-SC	15-1/8	\$ 488.38
616-16125-769-SC	16-1/8	543.50
7.85" WIDE		
616-13125-785-SC	13-1/8	\$ 561.12
9.99" WIDE		
616-13875-999-SC	13-7/8	\$ 589.50
10.97" WIDE		
616-11375-1097-SC	11-3/8	\$ 709.61
12.18" WIDE		
616-12875-1218-SC	12-7/8	\$ 879.06

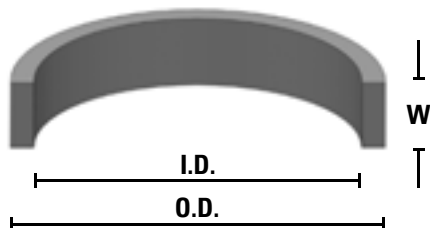


INCH



[SEAL INFORMATION]

614



TEMPERATURE RANGE -40° TO +250° F

TENSILE STRENGTH 27,000 PSI

COMPRESSIVE STRENGTH 35,000 PSI

PART NUMBER (Prefix) - (OD) - (Width)

614 rod bearings are available in nylon material. Due to their low rate of wear and non-scoring properties, these products are used extensively in hydraulic cylinders. Most of these bearings are solid—although some may be split—and are excellent for those heavy duty applications that require a sturdy bearing.

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
614-1253-100	1-1/4	1-1/2	1	\$ 14.92
614-1254-084	1-1/4	1-3/4	27/32	11.85
614-1254-100	1-1/4	1-3/4	1	16.58
614-1255-150	1-1/4	1-7/8	1-1/2	19.33
614-1502-100	1-1/2	1-5/8	.975	5.30
614-1503-100	1-1/2	1-3/4	1	5.16
614-1504-058	1-1/2	2	.580	18.63
614-1504-075	1-1/2	2	3/4	14.94
614-1505-150	1-1/2	2-1/8	1-1/2	24.81
614-1752-100	1-3/4	1-7/8	.975	4.61
614-1753-100	1-3/4	2	1	5.53
614-1754-040	1-3/4	2-1/4	7/16	5.44
614-1754-058	1-3/4	2-1/4	.580	7.86
614-1754-075	1-3/4	2-1/4	3/4	10.20
614-1754-087	1-3/4	2-1/4	7/8	29.85
614-2002-100	2	2-1/8	.975	4.78
614-2003-099	2	2-1/4	1	5.61
614-2004-050	2	2-1/2	1/2	8.63
614-2004-058	2	2-1/2	.580	6.48
614-2004-070	2	2-1/2	.700	30.63
614-2004-075	2	2-1/2	3/4	8.53
614-2004-100	2	2-1/2	1	12.90
614-2252-150	2-1/4	2-3/8	1.475	9.62
614-2253-125	2-1/4	2-1/2	1-1/4	7.12
614-2253-155	2-1/4	2-1/2	1-35/64	11.92
614-2253-225	2-1/4	2-1/2	2-1/4	10.71
614-2254-058	2-1/4	2-3/4	.580	14.99

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
614-2254-075	2-1/4	2-3/4	3/4	\$ 15.19
614-2502-150	2-1/2	2-5/8	1.475	8.57
614-2503-125	2-1/2	2-3/4	1-1/4	6.89
614-2503-155	2-1/2	2-3/4	1-35/64	10.45
614-2504-025	2-1/2	3	1/4	8.60
614-2504-040	2-1/2	3	13/32	14.36
614-2504-058	2-1/2	3	.580	10.16
614-2504-075	2-1/2	3	3/4	9.06
614-2504-100	2-1/2	3	1	25.82
614-2753-155	2-3/4	3	1-35/64	14.23
614-2754-100	2-3/4	3-1/4	1	15.25
614-2755-100	2-3/4	3-3/8	1	16.52
614-3002-150	3	3-1/8	1.475	10.28
614-3004-046	3	3-1/2	15/32	11.10
614-3004-050	3	3-1/2	1/2	7.42
614-3004-075	3	3-1/2	3/4	11.78
614-3004-100	3	3-1/2	1	12.86
614-3004-150	3	3-1/2	1-1/2	24.59
614-3123-075	3-1/8	3-1/2	3/4	14.12
614-3123-084	3-1/8	3-1/2	.845	18.77
614-3253-037	3-1/4	3-5/8	3/8	13.68
614-3253-100	3-1/4	3-5/8	1	35.58
614-3253-155	3-1/4	3-1/2	1-35/64	9.81
614-3504-025	3-1/2	4	1/4	5.78
614-3504-046	3-1/2	4	15/32	5.90
614-3504-100	3-1/2	4	1	37.92
614-3754-075	3-3/4	4-1/4	3/4	43.51

614 NYLON ROD BEARINGS

159

WEAR RINGS

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
614-3754-100	3-3/4	4-1/4	1	\$ 16.24
614-3755-087	3-3/4	4-3/8	7/8	60.25
614-3755-100	3-3/4	4-3/8	1	16.56
614-4004-025	4	4-1/2	1/4	6.58
614-4004-037	4	4-1/2	3/8	25.12
614-4004-075	4	4-1/2	3/4	12.05
614-4004-084	4	4-1/2	.845	16.25
614-4004-093	4	4-1/2	15/16	22.88
614-4004-100	4	4-1/2	1	14.70
614-4004-150	4	4-1/2	1-1/2	31.51
614-4005-100	4	4-5/8	1	42.71
614-4504-025	4-1/2	5	1/4	6.81
614-4754-100	4-3/4	5-1/4	1	19.56
614-4754-200	4-3/4	5-1/4	2	39.84
614-4755-100	4-3/4	5-3/8	1	22.73
614-5004-075	5	5-1/2	3/4	12.50

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
614-5004-084	5	5-1/2	.845	\$ 14.13
614-5004-093	5	5-1/2	15/16	19.05
614-5004-100	5	5-1/2	1	18.96
614-5754-100	5-3/4	6-1/4	1	20.67
614-5755-100	5-3/4	6-3/8	1	21.92
614-6004-037	6	6-1/2	3/8	10.03
614-6004-075	6	6-1/2	3/4	14.08
614-6004-084	6	6-1/2	.845	21.54
614-6004-093	6	6-1/2	15/16	24.85
614-6004-100	6	6-1/2	1	23.08
614-6755-100	6-3/4	7-3/8	1	35.90
614-7004-075	7	7-1/2	3/4	15.88
614-8004-075	8	8-1/2	3/4	16.37
614-8256-075	8-1/4	9	3/4	48.37
614-9006-075	9	9-3/4	3/4	83.73
614-9375-100	9-3/8	10	1	79.39



INCH

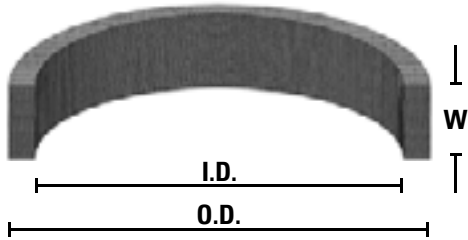


615 PHENOLIC BEARINGS

WEAR RINGS

[SEAL INFORMATION]

615



TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	10,600 PSI
COMPRESSIVE STRENGTH	34,000 PSI
PART NUMBER	(Prefix) - (OD) - (CS) - (Width)

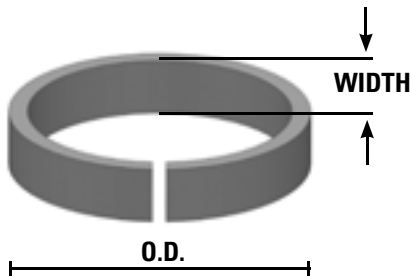
PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
615-1003-250	1	1-1/4	2-1/2	\$ 31.69
615-1254-075	1-1/4	1-3/4	3/4	12.36
615-2004-075	2	2-1/2	3/4	12.18
615-2253-100	2-1/4	2-1/2	1	11.60
615-2504-150	2-1/2	3	1-1/2	18.09

PART NUMBER	I.D.	O.D.	WIDTH	LIST PRICE
615-2623-018	2-1/4	2-5/8	3/16	\$ 5.76
615-2753-138	2-3/4	3	1.385	23.39
615-3623-018	3-1/4	3-5/8	3/16	6.50
615-3753-175	3-3/4	4	1.74	43.39
615-10533-700	10.280	10.530	7	131.17

625 NYLON WEAR RING 1/4" THICK

[SEAL INFORMATION]

625



TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	27,000 PSI
COMPRESSIVE STRENGTH	35,000 PSI
PART NUMBER	(Prefix) - (OD) - (CS) - (Width)

PART NUMBER	O.D.	WIDTH	LIST PRICE
625-650-349	6-1/2	3.49	\$ 156.65
625-650-350	6-1/2	3-1/2	127.28

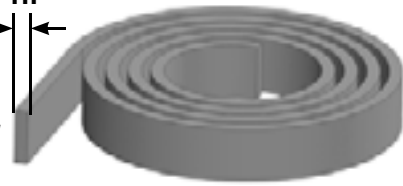
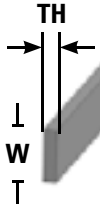
PART NUMBER	O.D.	WIDTH	LIST PRICE
625-825-350	8-1/4	3-1/2	\$ 163.21

INCH



[SEAL INFORMATION]

606T
612T



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.

NOTE: Bronze filled material has a thickness tolerance of $\pm .0025"$.

MATERIAL	60% BRONZE FILLED PTFE
TEMPERATURE RANGE	-40° TO +400° F
TENSILE STRENGTH	2,100 PSI
COMPRESSIVE STRENGTH	1,500 PSI
PART NUMBER	(Prefix) - (Width)

PART NUMBER	TH THICKNESS	W WIDTH	FILLER	LIST PRICE
606T-025B	1/16	1/4	Bronze	\$ 11.75
606T-037B	1/16	3/8	Bronze	12.49
606T-050B	1/16	1/2	Bronze	13.97
606T-062B	1/16	5/8	Bronze	15.60
606T-075B	1/16	3/4	Bronze	16.78
606T-100B	1/16	1	Bronze	19.81
609T-025B	3/32	1/4	Bronze	12.79
609T-037B	3/32	3/8	Bronze	14.40
609T-050B	3/32	1/2	Bronze	15.93
609T-062B	3/32	5/8	Bronze	18.72
609T-075B	3/32	3/4	Bronze	21.01
609T-100B	3/32	1	Bronze	25.67
609T-125B	3/32	1-1/4	Bronze	30.99

PART NUMBER	TH THICKNESS	W WIDTH	FILLER	LIST PRICE
609T-150B	3/32	1-1/2	Bronze	\$ 34.69
609T-175B	3/32	1-3/4	Bronze	39.42
609T-200B	3/32	2	Bronze	43.69
612T-025B	1/8	1/4	Bronze	15.01
612T-037B	1/8	3/8	Bronze	18.31
612T-050B	1/8	1/2	Bronze	21.92
612T-062B	1/8	5/8	Bronze	26.24
612T-075B	1/8	3/4	Bronze	29.60
612T-100B	1/8	1	Bronze	34.30
612T-125B	1/8	1-1/4	Bronze	41.91
612T-150B	1/8	1-1/2	Bronze	47.86
612T-175B	1/8	1-3/4	Bronze	53.17
612T-200B	1/8	2	Bronze	59.30

FLEXIBLE GUIDE BEARINGS - POLYESTER RESIN

[SEAL INFORMATION]

612F



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" allows the stacking of various widths. Wall tolerance $\pm .002"$, radial wall thickness = 0.124 to 0.121"

TEMPERATURE RANGE	-40° TO +250° F
TENSILE STRENGTH	8,500 PSI
COMPRESSIVE STRENGTH	16,500 PSI
PART NUMBER	(Prefix) - (Width)

PART NUMBER	W WIDTH	TH THICKNESS	LIST PRICE
612F-037	3/8	1/8	\$ 14.01
612F-050	1/2	1/8	14.61
612F-062	5/8	1/8	18.31

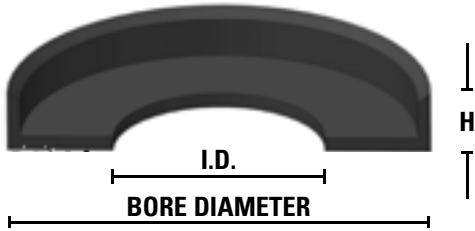
PART NUMBER	W WIDTH	TH THICKNESS	LIST PRICE
612F-075	3/4	1/8	\$ 24.31
612F-100	1	1/8	25.09

FOLLOWER BEARINGS

WEAR RINGS

[SEAL INFORMATION]

FB



MATERIAL	60D POLYESTER
TEMPERATURE RANGE	-65° TO +220° F
PART NUMBER	(Prefix) - (Bore Diameter)

Used primarily as bearings, these parts function as companion pieces for Cascade Vee Sets. The bore sizes shown are nominal and are used in oversized bores of = .015" to = .030".

PART NUMBER	BORE	LIST PRICE
FB-175	1-3/4	\$ 3.34
FB-200	2	17.52
FB-225	2-1/4	4.14
FB-300	3	4.47

PART NUMBER	BORE	LIST PRICE
FB-325	3-1/4	\$ 5.27
FB-350	3-1/2	5.60
FB-400	4	5.89
FB-425	4-1/4	7.23

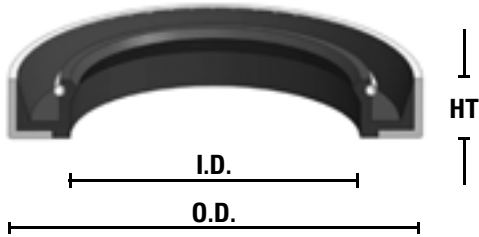
PART NUMBER	BORE	LIST PRICE
FB-475	4-3/4	\$ 8.12
FB-550	5-1/2	10.57
FB-650	6-1/2	13.83
FB-250	2-1/2	16.00

INCH



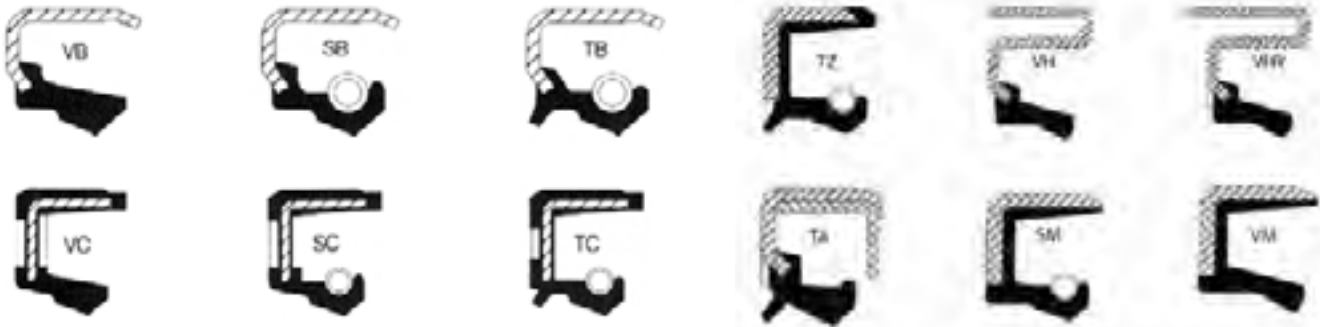
[SEAL INFORMATION]

OS



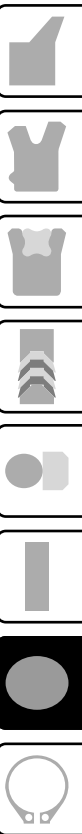
MATERIAL	RUBBER
TEMPERATURE RANGE	-40° TO +240°F
PRESSURE RANGE	10 PSI MAXIMUM
PART NUMBER	(Prefix) - (Size) - (Style)

HydraPak Seals offers several variations of standard sized metal clad oil seals. Designed specifically to prevent oil or grease leakage at maximum pressures of 10 psi, these seals are primarily for rotating shafts and temperatures up to 240° F.



PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-0.31X0.62X0.15SC	5/16	5/8	5/32	\$ 6.73
OS-0.31X0.75X0.25VTF	5/16	3/4	1/4	10.12
OS-0.37X0.68X0.15VM	3/8	11/16	5/32	4.86
OS-0.37X0.75X0.25SB	3/8	3/4	1/4	5.32
OS-0.37X1.00X0.25SM	3/8	1	1/4	5.32
OS-0.43X0.62X0.12VC	7/16	5/8	1/8	4.86
OS-0.43X0.83X0.18VM	7/16	.836	3/16	4.59
OS-0.43X0.87X0.25SM	7/16	7/8	1/4	6.38
OS-0.43X0.87X0.25TB	7/16	7/8	1/4	9.58
OS-0.43X1.00X0.25TC	7/16	1	1/4	5.01
OS-0.43X1.00X0.25VM	7/16	1	1/4	4.83
OS-0.43X1.00X0.37SB	7/16	1	3/8	6.38
OS-0.50X0.68X0.09VC	1/2	11/16	3/32	4.00
OS-0.50X0.75X0.12VM	1/2	3/4	1/8	5.01
OS-0.50X0.75X0.16TB	1/2	3/4	.167	4.78
OS-0.50X0.87X0.12VC	1/2	7/8	1/8	5.45
OS-0.50X0.87X0.12VM	1/2	7/8	1/8	4.59
OS-0.50X0.87X0.25SC	1/2	7/8	1/4	4.30
OS-0.50X0.87X0.25TB	1/2	7/8	1/4	6.59
OS-0.50X0.87X0.25TEC	1/2	7/8	1/4	7.79

PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-0.50X0.87X0.31TBY	1/2	7/8	5/16	\$ 5.15
OS-0.50X1.00X0.25TB	1/2	1	1/4	4.82
OS-0.50X1.00X0.25TC	1/2	1	1/4	4.55
OS-0.50X1.00X0.25TCN	1/2	1	1/4	6.99
OS-0.50X1.12X0.25SB	1/2	1-1/8	1/4	5.28
OS-0.50X1.12X0.25SC	1/2	1-1/8	1/4	4.78
OS-0.50X1.12X0.25TB	1/2	1-1/8	1/4	5.46
OS-0.50X1.25X0.25TC	1/2	1-1/4	1/4	6.18
OS-0.56X0.87X0.18TC	9/16	7/8	3/16	4.22
OS-0.56X1.00X0.25SB	9/16	1	1/4	5.97
OS-0.56X1.00X0.25TC	9/16	1	1/4	5.97
OS-0.56X1.12X0.25TB	9/16	1-1/8	1/4	6.48
OS-0.56X1.25X0.25TB	9/16	1-1/4	1/4	8.26
OS-0.62X0.81X0.09VC	5/8	13/16	3/32	5.57
OS-0.62X0.81X0.09VM	5/8	13/16	3/32	5.57
OS-0.62X0.87X0.12SM	5/8	7/8	1/8	5.15
OS-0.62X1.00X0.12VMY	5/8	1	1/8	6.06
OS-0.62X1.00X0.25SM	5/8	1	1/4	5.73
OS-0.62X1.00X0.25TB	5/8	1	1/4	6.06
OS-0.62X1.00X0.25TC	5/8	1	1/4	4.78



PART NUMBER	I.D.	O.D.	H	LIST PRICE	PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-0.62X1.12X0.25TB	5/8	1-1/8	1/4	\$ 5.19	OS-0.75X1.75X0.25VTLH	3/4	1-3/4	1/4	\$ 19.90
OS-0.62X1.12X0.25TC	5/8	1-1/8	1/4	5.01	OS-0.75X1.75X0.31TZ	.3/4	1-3/4	5/16	6.81
OS-0.62X1.12X0.25VTB	5/8	1-1/8	1/4	14.43	OS-0.75X1.87X0.25SB	3/4	1-7/8	1/4	8.55
OS-0.62X1.12X0.31SC	5/8	1-1/8	5/16	4.91	OS-0.78X1.00X0.12VC	25/32	1	1/8	3.80
OS-0.62X1.12X0.37TBY	5/8	1-1/8	3/8	5.97	OS-0.78X1.12X0.18SB	25/32	1-1/8	3/16	4.74
OS-0.62X1.12X0.37TC	5/8	1-1/8	3/8	4.22	OS-0.78X1.37X0.31SB	25/32	1-3/8	5/16	5.27
OS-0.62X1.25X0.25TC	5/8	1-1/4	1/4	4.70	OS-0.78X1.75X0.31TZ	25/32	1-3/4	5/16	5.72
OS-0.62X1.37X0.25TB	5/8	1-3/8	1/4	5.61	OS-0.81X1.06X0.12VC	13/16	1-1/16	1/8	4.78
OS-0.62X1.37X0.25VTB	5/8	1-3/8	1/4	15.08	OS-0.81X1.25X0.18SM	13/16	1-1/4	3/16	5.08
OS-0.62X1.50X0.25SB-H	5/8	1-1/2	1/4	5.21	OS-0.81X1.37X0.25TB	13/16	1-3/8	1/4	7.89
OS-0.65X1.12X0.25SC	21/32	1-1/8	1/4	2.12	OS-0.81X1.37X0.37SB-H	13/16	1-3/8	3/8	6.31
OS-0.67X1.18X0.20SA	11/16	1-3/16	.203	6.88	OS-0.81X1.62X0.25TB	13/16	1-5/8	1/4	7.30
OS-0.68X1.00X0.18VM	11/16	1	3/16	4.78	OS-0.87X1.12X0.12VM	7/8	1-1/8	1/8	4.06
OS-0.68X1.06X0.18SM	11/16	1-1/16	3/16	5.61	OS-0.87X1.18X0.16VZ	7/8	1-3/16	.164	4.56
OS-0.68X1.12X0.25SB	11/16	1-1/8	1/4	6.20	OS-0.87X1.25X.188SZ	7/8	1-1/4	3/16	5.08
OS-0.68X1.12X0.25TC	11/16	1-1/8	1/4	5.01	OS-0.87X1.25X0.18SB	7/8	1-1/4	3/16	4.83
OS-0.68X1.18X0.18SB	11/16	1-3/16	3/16	5.05	OS-0.87X1.25X0.18TB	7/8	1-1/4	3/16	5.27
OS-0.68X1.25X0.25TZ	11/16	1-1/4	1/4	7.40	OS-0.87X1.25X0.25SC	7/8	1-1/4	1/4	4.64
OS-0.68X1.25X0.31SB	11/16	1-1/4	5/16	6.20	OS-0.87X1.37X0.25SB	7/8	1-3/8	1/4	4.79
OS-0.68X1.37X0.12VM-H	11/16	1-3/8	1/8	5.05	OS-0.87X1.37X0.25TB	7/8	1-3/8	1/4	4.14
OS-0.68X1.37X0.31TC	11/16	1-3/8	5/16	5.15	OS-0.87X1.37X0.25TBY	7/8	1-3/8	1/4	5.27
OS-0.75X1.00X0.12TC	3/4	1	1/8	5.48	OS-0.87X1.37X0.25TC	7/8	1-3/8	1/4	5.21
OS-0.75X1.00X0.12VC	3/4	1	1/8	5.11	OS-0.87X1.37X0.31SB	7/8	1-3/8	5/16	5.72
OS-0.75X1.00X0.12VM	3/4	1	1/8	4.14	OS-0.87X1.37X0.31TA	7/8	1-3/8	5/16	5.72
OS-0.75X1.00X0.15TC	3/4	1	5/32	4.97	OS-0.87X1.50X0.25TB-H	7/8	1-1/2	1/4	5.57
OS-0.75X1.06X0.18TB	3/4	1-1/6	3/16	6.54	OS-0.87X1.50X0.25VTB	7/8	1-1/2	1/4	16.37
OS-0.75X1.12X0.15VC	3/4	1-1/8	5/32	4.83	OS-0.87X1.50X0.31SC	7/8	1-1/2	5/16	5.32
OS-0.75X1.12X0.15VM	3/4	1-1/8	5/32	4.83	OS-0.87X1.62X0.25TB	7/8	1-5/8	1/4	6.51
OS-0.75X1.12X0.18SZ	3/4	1-1/8	3/16	6.64	OS-0.87X1.82X0.37TB	7/8	1-53/64	3/8	8.20
OS-0.75X1.12X0.18TB	3/4	1-1/8	3/16	6.44	OS-0.87X1.87X0.25SB	7/8	1-7/8	1/4	6.23
OS-0.75X1.12X0.25TC	3/4	1-1/8	1/4	4.64	OS-0.93X1.37X0.25TB	15/16	1-3/8	1/4	5.13
OS-0.75X1.18X0.25SB	3/4	1-3/16	1/4	5.01	OS-0.93X1.50X0.25SB-H	15/16	1-1/2	1/4	5.46
OS-0.75X1.25X0.25SB	3/4	1-1/4	1/4	4.70	OS-0.93X1.50X0.25TB	31/32	1-1/2	1/4	6.54
OS-0.75X1.25X0.25SC	3/4	1-1/4	1/4	5.27	OS-0.93X1.75X0.31TC	31/32	1-3/4	5/16	8.16
OS-0.75X1.25X0.25TB	3/4	1-1/4	1/4	5.01	OS-0.96X1.62X0.25SB-H	31/32	1-5/8	1/4	6.81
OS-0.75X1.25X0.25TC-G	3/4	1-1/4	1/4	5.97	OS-1.00X1.25X0.12VB	1	1-1/4	1/8	5.27
OS-0.75X1.25X0.31TC	3/4	1-1/4	5/16	7.79	OS-1.00X1.25X0.25TC	1	1-1/4	1/4	5.82
OS-0.75X1.25X0.31TZ	3/4	1-1/4	5/16	5.57	OS-1.00X1.31X0.12VL	1	1-5/16	1/8	4.00
OS-0.75X1.25X0.31VTC	3/4	1-1/4	5/16	20.26	OS-1.00X1.37X0.25PSB	1	1-3/8	1/4	5.31
OS-0.75X1.31X0.25TB	3/4	1-5/16	1/4	8.77	OS-1.00X1.37X0.25TBY	1	1-3/8	1/4	5.45
OS-0.75X1.37X0.25PTC	3/4	1-3/8	1/4	7.79	OS-1.00X1.43X0.25SC	1	1-7/16	1/4	6.85
OS-0.75X1.37X0.25TB	3/4	1-3/8	1/4	5.21	OS-1.00X1.50X0.18VB	1	1-1/2	3/16	4.87
OS-0.75X1.50X0.25TB-H	3/4	1-1/2	1/4	5.46	OS-1.00X1.50X0.25SB-H	1	1-1/2	1/4	4.74
OS-0.75X1.57X0.25TL	3/4	1.8	1/4	6.64	OS-1.00X1.50X0.25TB	1	1-1/2	1/4	6.27
OS-0.75X1.75X0.25SB	3/4	1-3/4	1/4	6.81	OS-1.00X1.50X0.25TB-H	1	1-1/2	1/4	6.27

OIL SEALS

165

OIL SEALS

PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-1.00X1.50X0.25TBY	1	1-1/2	1/4	\$ 4.83
OS-1.00X1.50X0.25TC	1	1-1/2	1/4	5.41
OS-1.00X1.50X0.31TC	1	1-1/2	5/16	5.53
OS-1.00X1.56X0.25VB-H	1	1-9/16	1/4	5.41
OS-1.00X1.57X0.25TB	1	1.8	1/4	6.27
OS-1.00X1.62X0.25SB	1	1-5/8	1/4	6.27
OS-1.00X1.62X0.25TB	1	1-5/8	1/4	7.44
OS-1.00X1.62X0.25TC	1	1-5/8	1/4	6.72
OS-1.00X1.62X0.25VB	1	1-5/8	1/4	4.74
OS-1.00X1.62X0.37SSTZN	1	1-5/8	3/8	9.01
OS-1.00X1.75X0.25SB	1	1-3/4	1/4	8.36
OS-1.00X1.75X0.25TB	1	1-3/4	1/4	6.50
OS-1.00X1.75X0.25VSB	1	1-3/4	1/4	19.79
OS-1.00X1.78X0.46VHY	1	1-25/32	5/16	5.87
OS-1.00X1.87X0.25SB	1	1-7/8	1/4	5.97
OS-1.00X1.87X0.25TB	1	1-7/8	1/4	6.06
OS-1.00X1.98X0.31TB	1	1.982	5/16	7.18
OS-1.00X2.00X0.25TB	1	2	1/4	6.99
OS-1.00X2.06X0.37SC	1	2-1/16	3/8	6.95
OS-1.00X2.43X0.37TC	1	2-7/16	3/8	8.02
OS-1.06X1.50X0.25SB-H	1-1/16	1-1/2	1/4	6.38
OS-1.06X1.62X0.25SB	1-1/16	1-5/8	1/4	7.18
OS-1.06X1.68X0.25SB	1-1/16	1-11/16	1/4	8.86
OS-1.06X1.75X0.25SB	1-1/16	1-3/4	1/4	7.49
OS-1.06X1.87X0.25SB	1-1/16	1-7/8	1/4	7.94
OS-1.12X1.37X0.12VM	1-1/8	1-3/8	1/8	5.01
OS-1.12X1.43X0.20VB	1-1/8	1-7/16	20	7.49
OS-1.12X1.50X0.18VB	1-1/8	1-1/2	3/16	5.46
OS-1.12X1.50X0.18VTC	1-1/8	1-1/2	3/16	24.26
OS-1.12X1.50X0.25VZY	1-1/8	1-1/2	1/4	7.41
OS-1.12X1.56X0.25PSL	1-1/8	1-9/16	1/4	7.41
OS-1.12X1.56X0.25SB	1-1/8	1-9/16	1/4	6.18
OS-1.12X1.62X0.25SB	1-1/8	1-5/8	1/4	6.13
OS-1.12X1.62X0.25SC	1-1/8	1-5/8	1/4	6.34
OS-1.12X1.62X0.25TB	1-1/8	1-5/8	1/4	6.73
OS-1.12X1.68X0.31TC	1-1/8	1-11/16	5/16	11.44
OS-1.12X1.75X0.25SB	1-1/8	1-3/4	1/4	6.09
OS-1.12X1.75X0.25TB	1-1/8	1-3/4	1/4	6.09
OS-1.12X1.78X0.46TB	1-1/8	1-25/32	.469	6.39
OS-1.12X1.82X0.25TB	1-1/8	1-53/64	1/4	6.95
OS-1.12X1.82X0.25TC	1-1/8	1-53/64	1/4	6.22
OS-1.12X1.87X0.25TB	1-1/8	1-7/8	1/4	6.62
OS-1.12X2.00X0.25SB	1-1/8	2	1/4	6.73
OS-1.12X2.00X0.37TB	1-1/8	2	3/8	7.09
OS-1.12X2.12X0.31SB	1-1/8	2-1/8	5/16	6.89

PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-1.15X1.68X0.31TC	1-5/32	1-11/16	5/16	\$ 7.18
OS-1.18X1.68X0.25SB	1-3/16	1-11/16	1/4	6.18
OS-1.18X1.87X0.25SB	1-3/16	1-7/8	1/4	7.79
OS-1.18X2.00X0.25TB	1-3/16	2	1/4	6.73
OS-1.25X1.50X0.12VB	1-1/4	1-1/2	1/8	5.01
OS-1.25X1.50X0.12VC	1-1/4	1-1/2	1/8	5.01
OS-1.25X1.62X0.18SB	1-1/4	1-5/8	3/16	5.89
OS-1.25X1.62X0.18SM	1-1/4	1-5/8	3/16	8.31
OS-1.25X1.62X0.25TC	1-1/4	1-5/8	1/4	7.00
OS-1.25X1.68X0.18VB	1-1/4	1-11/16	3/16	7.18
OS-1.25X1.68X0.25SB	1-1/4	1-11/16	1/4	7.49
OS-1.25X1.68X0.25SC	1-1/4	1-11/16	1/4	7.18
OS-1.25X1.68X0.25TC	1-1/4	1-11/16	1/4	7.00
OS-1.25X1.68X0.25TF	1-1/4	1-11/16	1/4	11.35
OS-1.25X1.68X0.31TB	1-1/4	1-11/16	.313	8.36
OS-1.25X1.75X0.25TB	1-1/4	1-3/4	1/4	6.34
OS-1.25X1.75X0.25TBY	1-1/4	1-3/4	1/4	8.04
OS-1.25X1.75X0.25TL-H	1-1/4	1-3/4	1/4	6.89
OS-1.25X1.75X0.25VHY	1-1/4	1-3/4	1/4	5.61
OS-1.25X1.87X0.25TB	1-1/4	1-7/8	1/4	6.34
OS-1.25X1.87X0.25VTB	1-1/4	1-7/8	1/4	18.64
OS-1.25X1.97X0.25TC	1-1/4	1.979	1/4	6.62
OS-1.25X1.98X0.25TB	1-1/4	1.983	1/4	8.40
OS-1.25X1.98X0.25VH	1-1/4	1.983	1/4	7.09
OS-1.25X2.00X0.25TB	1-1/4	2	1/4	6.91
OS-1.25X2.00X0.25VTB	1-1/4	2	1/4	22.53
OS-1.25X2.00X0.31TC	1-1/4	2	5/16	10.03
OS-1.25X2.00X0.37SB	1-1/4	2	3/8	7.54
OS-1.25X2.00X0.43SB	1-1/4	2	7/16	10.89
OS-1.25X2.062X0.25TB	1-1/4	2-1/16	1/4	8.86
OS-1.25X2.12X0.25SB	1-1/4	2-1/8	1/4	7.29
OS-1.25X2.12X0.25TB	1-1/4	2-1/8	1/4	7.18
OS-1.25X2.25X0.25VB	1-1/4	2-1/4	1/4	7.66
OS-1.25X2.47X0.31SC	1-1/4	2.47	5/16	6.09
OS-1.28X2.00X0.37TB	1-9/32	2	3/8	9.27
OS-1.31X2.12X0.31TB	1-5/16	2-1/8	5/16	11.96
OS-1.37X1.75X0.18SM	1-3/8	1-3/4	3/16	7.18
OS-1.37X1.75X0.18VB	1-3/8	1-3/4	3/16	5.97
OS-1.37X1.75X0.21TB	1-3/8	1-3/4	.219	12.81
OS-1.37X1.82X0.31SB	1-3/8	1-53/64	5/16	6.48
OS-1.37X1.87X0.25SB	1-3/8	1-7/8	1/4	6.91
OS-1.37X1.93X0.25TB	1-3/8	1-15/16	1/4	6.65
OS-1.37X1.93X0.25VB	1-3/8	1-15/16	1/4	5.97
OS-1.37X1.98X0.43TM	1-3/8	1.979	7/16	6.38
OS-1.37X2.00X0.31VTB	1-3/8	2	5/16	18.27



INCH

PART NUMBER	I.D.	O.D.	H	LIST PRICE	PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-1.37X2.00X0.37TA	1-3/8	2	3/8	\$ 8.51	OS-1.75X2.25X0.31SB	1-3/4	2-1/4	5/16	\$ 9.86
OS-1.37X2.12X0.31TB	1-3/8	2-1/8	5/16	5.74	OS-1.75X2.31X0.25TC	1-3/4	2-5/16	1/4	8.69
OS-1.37X2.12X0.31TC	1-3/8	2-1/8	5/16	5.07	OS-1.75X2.37X0.31TB	1-3/4	2-3/8	5/16	7.50
OS-1.37X2.12X0.43SA	1-3/8	2-1/8	7/16	8.55	OS-1.75X2.43X0.31TB	1-3/4	2-7/16	5/16	8.92
OS-1.37X2.25X0.31TB	1-3/8	2-1/4	5/16	9.99	OS-1.75X2.43X0.31TC	1-3/4	2-7/16	5/16	8.44
OS-1.37X2.37X0.31TB	1-3/8	2-3/8	5/16	8.02	OS-1.75X2.50X0.31TB	1-3/4	2-1/2	5/16	10.61
OS-1.37X2.44X0.31TB	1-3/8	2.441	5/16	10.07	OS-1.75X2.50X0.31VTB	1-3/4	2-1/2	5/16	25.22
OS-1.43X1.87X0.18VB	1-7/16	1-7/8	3/16	24.98	OS-1.75X2.50X0.31TC	1-3/4	2-1/2	3/8	23.09
OS-1.43X1.87X0.25VTC	1-7/16	1-7/8	1/4	15.00	OS-1.75X2.56X0.31SB	1-3/4	2-9/16	5/16	10.29
OS-1.43X2.00X0.31TC	1-7/16	2	5/16	6.76	OS-1.75X2.56X0.31TB	1-3/4	2-9/16	5/16	9.04
OS-1.43X2.12X0.37SC	1-7/16	2-1/8	3/8	6.76	OS-1.75X2.62X0.31TB	1-3/4	2-5/8	5/16	9.01
OS-1.43X2.25X0.31TB	1-7/16	2-1/4	5/16	8.06	OS-1.75X2.68X0.31SLH	1-3/4	2.686	5/16	11.10
OS-1.43X2.37X0.31TB	1-7/16	2-3/8	5/16	8.55	OS-1.75X2.71X0.36VHY	1-3/4	2-23/32	.359	7.25
OS-1.50X1.87X0.25SB	1-1/2	1-7/8	1/4	6.91	OS-1.75X2.75X0.31TB	1-3/4	2-3/4	5/16	9.19
OS-1.50X1.87X0.25TB	1-1/2	1-7/8	1/4	7.74	OS-1.75X2.87X0.31SB	1-3/4	2-7/8	5/16	11.39
OS-1.50X1.87X0.25VB	1-1/2	1-7/8	1/4	5.61	OS-1.75X3.00X0.37TB	1-3/4	3	3/8	10.33
OS-1.50X1.98X0.18VB	1-1/2	1.983	3/16	5.89	OS-1.87X2.50X0.25VHY	1-7/8	2-1/2	1/4	7.29
OS-1.50X1.98X0.25TB	1-1/2	1.983	1/4	6.23	OS-1.87X2.50X0.31SB	1-7/8	2-1/2	5/16	7.90
OS-1.50X1.99X0.25KB	1-1/2	1.989	1/4	7.41	OS-1.87X2.62X0.31TB	1-7/8	2-5/8	5/16	8.20
OS-1.50X2.00X0.25VB	1-1/2	2	1/4	6.71	OS-1.87X2.62X0.31TB-H	1-7/8	2-5/8	5/16	8.51
OS-1.50X2.00X0.31TB	1-1/2	2	5/16	6.91	OS-1.87X2.87X0.31TB	1-7/8	2-7/8	5/16	10.48
OS-1.50X2.12X0.31TB	1-1/2	2-1/8	5/16	9.53	OS-1.93X2.68X0.31TC	1-5/16	2-11/16	5/13	17.68
OS-1.50X2.25X0.25VH	1-1/2	2-1/4	1/4	7.18	OS-1.93X2.68X0.31TLH	1-15/16	2-11/16	5/16	11.10
OS-1.50X2.25X0.31SB	1-1/2	2-1/4	5/16	9.01	OS-2.00X2.50X0.25TC	2	2-1/2	1/4	10.37
OS-1.50X2.25X0.31TB	1-1/2	2-1/4	5/16	7.94	OS-2.00X2.50X0.25VB	2	2-1/2	1/4	8.55
OS-1.50X2.25X0.31VTB-H	1-1/2	2-1/4	5/16	22.13	OS-2.00X2.62X0.25VHY	2	2-5/8	1/4	8.51
OS-1.50X2.37X0.25VH	1-1/2	2-3/8	1/4	6.42	OS-2.00X2.62X0.31TB	2	2-5/8	5/16	8.55
OS-1.50X2.37X0.31TB	1-1/2	2-3/8	5/16	6.38	OS-2.00X2.68X0.37SB	2	2-11/16	3/8	8.35
OS-1.50X2.37X0.31TB-H	1-1/2	2-3/8	5/16	10.44	OS-2.00X2.71X0.37TB	2	2-23/32	3/8	10.44
OS-1.50X2.50X0.31SB	1-1/2	2-1/2	5/16	6.88	OS-2.00X2.75X0.18VM	2	2-3/4	3/16	8.97
OS-1.50X2.50X0.31TB	1-1/2	2-1/2	5/16	8.86	OS-2.00X2.75X0.31TB	2	2-3/4	5/16	8.94
OS-1.50X2.75X0.31SB	1-1/2	2-3/4	5/16	13.26	OS-2.00X2.75X0.31TC	2	2-3/4	5/16	8.92
OS-1.56X2.12X0.31SB	1-9/16	2-1/8	5/16	9.01	OS-2.00X2.87X0.31TA	2	2-7/8	5/16	11.44
OS-1.56X2.37X0.31TB	1-9/16	2-3/8	5/16	8.49	OS-2.00X3.00X0.25SB	2	3	1/4	9.92
OS-1.56X2.43X0.37TB	1-9/16	2-7/16	3/8	7.55	OS-2.00X3.00X0.31TB	2	3	5/16	11.10
OS-1.62X2.00X0.25SB	1-5/8	2	1/4	6.42	OS-2.00X3.00X0.37SA	2	3	3/8	12.61
OS-1.62X2.12X0.25SB	1-5/8	2-1/8	1/4	8.77	OS-2.00X3.37X0.43TA	2	3-3/8	7/16	12.91
OS-1.62X2.37X0.31TB	1-5/8	2-3/8	5/16	7.50	OS-2.12X2.75X0.50TB	2-1/8	2-3/4	1/2	9.09
OS-1.62X2.37X0.37TC	1-5/8	2-3/8	3/8	10.07	OS-2.12X2.87X0.25VB	2-1/8	2-7/8	1/4	9.16
OS-1.62X2.43X0.31TB	1-5/8	2-7/16	5/16	8.40	OS-2.12X2.87X0.43SA	2-1/8	2-7/8	7/16	12.91
OS-1.62X2.50X0.31SB	1-5/8	2-1/2	5/16	8.20	OS-2.12X2.87X0.43TA	2-1/8	2-7/8	7/16	13.02
OS-1.62X2.50X0.31TB	1-5/8	2-1/2	5/16	8.44	OS-2.12X2.87X0.43TB	2-1/8	2-7/8	7/16	10.78
OS-1.71X2.56X0.50TB	1-23/32	2-9/16	1/2	8.44	OS-2.12X3.00X0.25VB	2-1/8	3	1/4	10.68
OS-1.75X2.12X0.18SB	1-3/4	2-1/8	3/16	10.03	OS-2.12X3.00X0.37TA	2-1/8	3	3/8	13.10
OS-1.75X2.25X0.18VB	1-3/4	2-1/4	3/16	7.50	OS-2.12X3.06X0.50TA	2-1/8	3-1/16	1/2	12.71

PART NUMBER	I.D.	O.D.	H	LIST PRICE	PART NUMBER	I.D.	O.D.	H	LIST PRICE
OS-2.18X3.00X0.37TB	2-3/16	3	3/8	\$ 10.89	OS-3.00X3.75X0.37TB	3	3-3/4	3/8	\$ 15.29
OS-2.25X2.87X0.25VH	2-1/4	2-7/8	1/4	8.86	OS-3.00X3.75X0.43TA	3	3-3/4	7/16	16.22
OS-2.25X3.00X0.25TA	2-1/4	3	1/4	10.29	OS-3.00X4.00X0.37TB	3	4	3/8	13.16
OS-2.25X3.00X0.37SB	2-1/4	3	3/8	10.23	OS-3.00X4.00X0.43SA	3	4	7/16	15.65
OS-2.25X3.00X0.37TB	2-1/4	3	3/8	10.89	OS-3.00X4.00X0.43TA	3	4	7/16	17.15
OS-2.25X3.00X0.37VTB	2-1/4	3	3/8	18.42	OS-3.12X4.00X0.37TB	3-1/8	4	3/8	13.67
OS-2.25X3.00X0.43TA	2-1/4	3	7/16	11.89	OS-3.25X4.00X0.37PTB	3-1/4	4	3/8	17.42
OS-2.25X3.18X0.43PTB	2-1/4	3-3/16	7/16	10.93	OS-3.25X4.00X0.46TA	3-1/4	4	7/16	23.80
OS-2.25X3.25X0.25VH	2-1/4	3-1/4	1/4	15.00	OS-3.25X4.25X0.37TB	3-1/4	4-1/4	3/8	15.15
OS-2.25X3.25X0.37TB	2-1/4	3-1/4	3/8	11.89	OS-3.25X4.25X0.43TA	3-1/4	4-1/4	7/16	19.33
OS-2.37X3.00X0.25VC	2-3/8	3	1/4	9.19	OS-3.25X4.50X0.43TA	3-1/4	4-1/2	7/16	21.17
OS-2.37X3.00X0.25VH	2-3/8	3	1/4	8.55	OS-3.37X4.12X0.37TB	3-3/8	4-1/8	3/8	17.93
OS-2.37X3.12X0.37SB	2-3/8	3-1/8	3/8	11.21	OS-3.37X4.37X0.43TA	3-3/8	4-3/8	7/16	21.56
OS-2.37X3.12X0.43TA	2-3/8	3-1/8	7/16	13.16	OS-3.50X4.12X0.25VB	3-1/2	4-1/8	1/4	12.77
OS-2.37X3.35X0.46TA	2-3/8	3.35	15/32	18.09	OS-3.50X4.12X0.32WS	3-1/2	4-1/8	21/64	27.76
OS-2.37X3.50X0.37SA	2-3/8	3-1/2	3/8	14.13	OS-3.50X4.37X0.37TB	3-1/2	4-3/8	3/8	21.47
OS-2.50X3.00X0.25VB	2-1/2	3	1/4	11.06	OS-3.50X4.50X0.43SA	3-1/2	4-1/2	7/16	19.45
OS-2.50X3.00X0.28WS	2-1/2	3	9/32	18.52	OS-3.50X4.75X0.25VH	3-1/2	4-3/4	1/4	27.35
OS-2.50X3.06X0.25SM	2-1/2	3-1/16	1/4	13.16	OS-3.68X4.50X0.43TA	3-11/16	4-1/2	7/16	22.44
OS-2.50X3.18X0.37TB	2-1/2	3-3/16	3/8	17.28	OS-3.75X4.75X0.43STA	3-3/4	4-3/4	7/16	30.23
OS-2.50X3.25X0.37TB	2-1/2	3-1/4	3/8	6.68	OS-3.75X5.00X0.37TB	3-3/4	5	3/8	20.61
OS-2.50X3.25X0.43TA	2-1/2	3-1/4	7/16	13.31	OS-3.87X5.25X0.43TA	3-7/8	5-1/4	7/16	27.56
OS-2.50X3.50X0.25VH	2-1/2	3-1/2	1/4	10.33	OS-4.00X5.00X0.37SB	4	5	3/8	17.93
OS-2.50X3.50X0.37TB	2-1/2	3-1/2	3/8	12.75	OS-4.00X5.00X0.43TA	4	5	7/16	25.68
OS-2.50X3.50X0.40SB	2-1/2	3-1/2	13/32	11.11	OS-4.00X5.25X0.43SA	4	5-1/4	7/16	25.39
OS-2.50X3.50X0.43TA	2-1/2	3-1/2	7/16	16.37	OS-4.00X5.37X0.50TA	4	5-3/8	1/2	27.95
OS-2.56X3.75X0.43SA	2-9/16	3-3/4	7/16	15.76	OS-4.25X5.25X0.37TB	4-1/4	5-1/4	3/8	21.56
OS-2.62X3.37X0.37TA	2-5/8	3-3/8	3/8	19.04	OS-4.50X5.50X0.50TA	4-1/2	5-1/2	1/2	38.27
OS-2.62X3.50X0.37TB	2-5/8	3-1/2	3/8	13.06	OS-4.50X6.12X0.56SA	4-1/2	6-1/8	9/16	40.67
OS-2.75X3.50X0.25VB	2-3/4	3-1/2	1/4	10.44	OS-5.00X6.00X0.50TA	5	6	1/2	41.54
OS-2.75X3.50X0.37TB	2-3/4	3-1/2	3/8	13.34	OS-5.00X6.25X0.50SA	5	6-1/4	1/2	43.35
OS-2.75X3.75X0.25VHY	2-3/4	3-3/4	1/4	11.54	OS-5.50X6.50X0.50SA	5-1/2	6-1/2	1/2	55.59
OS-2.75X3.75X0.43TB	2-3/4	3-3/4	7/16	12.66	OS-5.62X6.62X0.50SA-H	5-5/8	6-5/8	1/2	46.09
OS-2.81X3.87X0.43SA	2-13/16	3-7/8	7/16	17.28	OS-6.37X7.87X0.56H	6-3/8	7-7/8	9/16	67.75
OS-2.93X4.00X0.43TA	2-15/16	4	7/16	19.55	OS-7.00X8.00X0.50TC	7	8	1/2	130.34
OS-3.00X3.75X0.37SB	3	3-3/4	3/8	11.70	OS-7.92X9.18X0.68Y	7.927	9-3/16	11/16	155.16

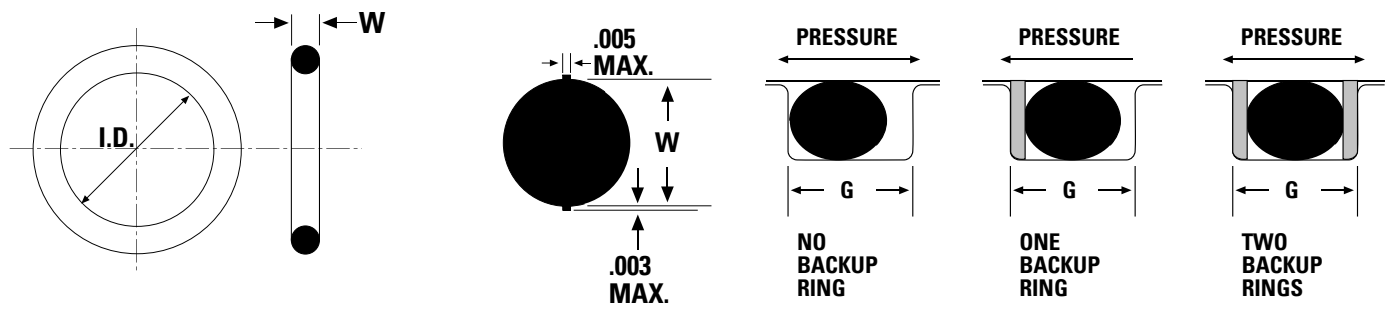


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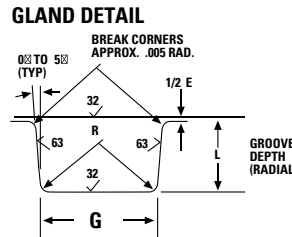
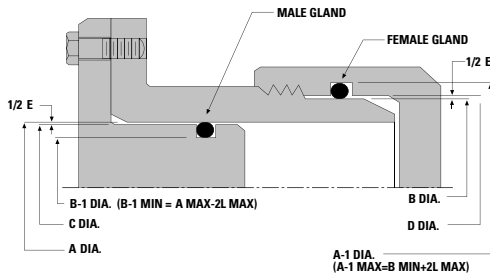
INCH

O-RING GLAND DIMENSIONS

O-RINGS



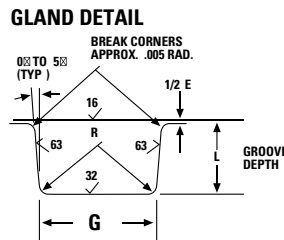
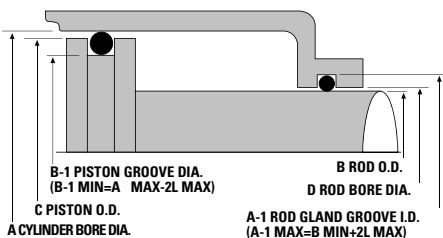
[O-RING GLAND DESIGN FOR STATIC SEALS]



- 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. (FEMALE GLAND)
- D - THROAT DIA. (FEMALE GLAND)
- E - DIAMETRICAL CLEARANCE

W O-RING CROSS SECTION	L GROOVE DEPTH		SQUEEZE				E DIAMET- RICAL CLEARANCE MAX.	G GROOVE WIDTH ± .005			R GROOVE RADIUS	ECCEN- TRICITY MAX.
			RADIAL		AXIAL			NO BACKUP RING	ONE BACKUP RING	TWO BACKUP RINGS		
			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

INCH



O-RING SIZE CHART AND INSTALLATION DATA

O-RINGS

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. 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

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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



INCH

O-RING SIZE CHART AND INSTALLATION DATA

O-RINGS

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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	5.767±.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

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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



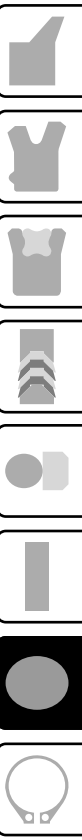
INCH

O-RING SIZE CHART AND INSTALLATION DATA

O-RINGS

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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



INCH

O-RING SIZE CHART AND INSTALLATION DATA

O-RINGS

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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
-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	19.995±.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
-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
-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

AS-568A SERIES	NOMINAL SIZE			ACTUAL DIMENSIONS	
	I.D.	O.D.	WIDTH	I.D. TOL.	W. TOL.
-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

INCH



70 DURO NITRILE O-RINGS

173

O-RINGS

[SEAL INFORMATION]

N70



Reduced prices are available for large quantity purchases of 70 & 90 Durometer O-Rings. Call for a quote. O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL

70A NITRILE

TEMPERATURE RANGE

-40° TO +240° F

PRESSURE RANGE

VARIES ACCORDING TO DIAMETRICAL CLEARANCE

PART NUMBER

(Prefix) - (Dash #) - (70 Duro)

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-001N70	50	\$ 0.02	2-039N70	20	\$ 0.24	2-128N70	20	\$ 0.13	2-166N70	5	\$ 0.94
2-002N70	50	0.02	2-040N70	20	0.27	2-129N70	20	0.14	2-167N70	5	1.04
2-003N70	50	0.02	2-041N70	20	0.31	2-130N70	20	0.14	2-168N70	5	1.23
2-004N70	50	0.02	2-042N70	20	0.35	2-131N70	20	0.14	2-169N70	5	1.45
2-005N70	50	0.02	2-043N70	20	0.37	2-132N70	20	0.16	2-170N70	5	1.51
2-006N70	50	0.02	2-044N70	10	0.42	2-133N70	20	0.16	2-171N70	1	1.59
2-007N70	50	0.02	2-045N70	10	0.46	2-134N70	20	0.16	2-172N70	1	1.67
2-008N70	50	0.02	2-046N70	10	0.52	2-135N70	20	0.17	2-173N70	1	1.87
2-009N70	50	0.02	2-047N70	10	0.56	2-136N70	20	0.19	2-174N70	1	1.88
2-010N70	50	0.02	2-048N70	10	0.64	2-137N70	20	0.19	2-175N70	1	2.08
2-011N70	50	0.02	2-049N70	10	0.70	2-138N70	20	0.22	2-176N70	1	2.32
2-012N70	50	0.02	2-050N70	10	0.74	2-139N70	20	0.22	2-177N70	1	2.29
2-013N70	50	0.02	2-102N70	50	0.05	2-140N70	20	0.22	2-178N70	1	2.46
2-014N70	50	0.02	2-103N70	50	0.02	2-141N70	20	0.22	2-201N70	50	0.05
2-015N70	50	0.02	2-104N70	50	0.02	2-142N70	20	0.23	2-202N70	50	0.06
2-016N70	50	0.02	2-105N70	50	0.05	2-143N70	20	0.23	2-203N70	50	0.06
2-017N70	50	0.05	2-106N70	50	0.05	2-144N70	20	0.27	2-204N70	50	0.06
2-018N70	50	0.05	2-107N70	50	0.05	2-145N70	20	0.28	2-205N70	50	0.07
2-019N70	50	0.06	2-108N70	50	0.05	2-146N70	20	0.28	2-206N70	50	0.07
2-020N70	50	0.06	2-109N70	50	0.05	2-147N70	20	0.28	2-207N70	50	0.08
2-021N70	50	0.06	2-110N70	50	0.05	2-148N70	20	0.29	2-208N70	50	0.08
2-022N70	50	0.06	2-111N70	50	0.05	2-149N70	20	0.29	2-209N70	50	0.08
2-023N70	50	0.06	2-112N70	50	0.05	2-150N70	20	0.30	2-210N70	50	0.08
2-024N70	50	0.07	2-113N70	50	0.05	2-151N70	20	0.31	2-211N70	50	0.08
2-025N70	50	0.07	2-114N70	50	0.05	2-152N70	20	0.37	2-212N70	50	0.08
2-026N70	50	0.08	2-115N70	50	0.06	2-153N70	20	0.37	2-213N70	50	0.10
2-027N70	50	0.10	2-116N70	50	0.06	2-154N70	20	0.41	2-214N70	50	0.10
2-028N70	20	0.10	2-117N70	50	0.06	2-155N70	10	0.46	2-215N70	50	0.12
2-029N70	20	0.12	2-118N70	50	0.06	2-156N70	10	0.50	2-216N70	50	0.12
2-030N70	20	0.12	2-119N70	50	0.07	2-157N70	10	0.53	2-217N70	50	0.12
2-031N70	20	0.14	2-120N70	50	0.08	2-158N70	10	0.57	2-218N70	50	0.13
2-032N70	20	0.16	2-121N70	50	0.10	2-159N70	10	0.58	2-219N70	50	0.13
2-033N70	20	0.17	2-122N70	50	0.10	2-160N70	5	0.63	2-220N70	20	0.13
2-034N70	20	0.19	2-123N70	50	0.10	2-161N70	5	0.65	2-221N70	20	0.14
2-035N70	20	0.19	2-124N70	50	0.12	2-162N70	5	0.71	2-222N70	20	0.16
2-036N70	20	0.21	2-125N70	50	0.12	2-163N70	5	0.72	2-223N70	20	0.17
2-037N70	20	0.22	2-126N70	20	0.13	2-164N70	5	0.82	2-224N70	20	0.19
2-038N70	20	0.23	2-127N70	20	0.13	2-165N70	5	0.87	2-225N70	20	0.22



INCH

70 DURO NITRILE O-RINGS

O-RINGS

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-226N70	20	\$ 0.24	2-276N70	1	\$ 3.20	2-350N70	5	\$ 1.04	2-429N70	5	\$ 1.52
2-227N70	20	0.24	2-277N70	1	3.34	2-351N70	5	1.11	2-430N70	5	1.59
2-228N70	20	0.24	2-278N70	1	3.56	2-352N70	5	1.14	2-431N70	5	1.62
2-229N70	20	0.27	2-279N70	1	3.71	2-353N70	5	1.18	2-432N70	5	1.69
2-230N70	20	0.28	2-280N70	1	3.85	2-354N70	5	1.22	2-433N70	5	1.76
2-231N70	20	0.28	2-281N70	1	4.14	2-355N70	5	1.26	2-434N70	5	1.76
2-232N70	20	0.31	2-282N70	1	4.29	2-356N70	5	1.29	2-435N70	5	1.80
2-233N70	20	0.34	2-283N70	1	4.65	2-357N70	5	1.30	2-436N70	5	1.84
2-234N70	20	0.36	2-284N70	1	4.93	2-358N70	5	1.35	2-437N70	5	1.87
2-235N70	20	0.36	2-309N70	50	0.12	2-359N70	5	1.40	2-438N70	5	1.94
2-236N70	20	0.37	2-310N70	50	0.12	2-360N70	5	1.45	2-439N70	5	2.02
2-237N70	20	0.37	2-311N70	50	0.14	2-361N70	5	1.47	2-440N70	1	2.09
2-238N70	20	0.39	2-312N70	50	0.17	2-362N70	5	1.55	2-441N70	1	2.16
2-239N70	20	0.41	2-313N70	50	0.17	2-363N70	5	1.62	2-442N70	1	2.23
2-240N70	20	0.42	2-314N70	50	0.17	2-364N70	5	1.65	2-443N70	1	2.38
2-241N70	20	0.45	2-315N70	50	0.19	2-365N70	5	1.79	2-444N70	1	2.52
2-242N70	10	0.48	2-316N70	50	0.21	2-366N70	5	1.88	2-445N70	1	2.60
2-243N70	10	0.51	2-317N70	50	0.22	2-367N70	5	1.96	2-446N70	1	3.04
2-244N70	10	0.56	2-318N70	50	0.22	2-368N70	5	1.76	2-447N70	1	3.41
2-245N70	10	0.58	2-319N70	50	0.23	2-369N70	1	2.09	2-448N70	1	3.55
2-246N70	10	0.64	2-320N70	20	0.23	2-370N70	1	2.25	2-449N70	1	3.62
2-247N70	10	0.65	2-321N70	20	0.24	2-371N70	1	2.32	2-450N70	1	3.69
2-248N70	10	0.71	2-322N70	20	0.27	2-372N70	1	2.38	2-451N70	1	4.06
2-249N70	10	0.75	2-323N70	20	0.28	2-373N70	1	2.61	2-452N70	1	4.64
2-250N70	10	0.80	2-324N70	20	0.28	2-374N70	1	2.75	2-453N70	1	5.00
2-251N70	10	0.86	2-325N70	20	0.28	2-375N70	1	2.83	2-454N70	1	5.22
2-252N70	10	0.94	2-326N70	20	0.28	2-376N70	1	2.90	2-455N70	1	5.80
2-253N70	10	0.97	2-327N70	20	0.30	2-377N70	1	2.97	2-456N70	1	5.87
2-254N70	5	1.00	2-328N70	20	0.30	2-378N70	1	3.33	2-457N70	1	6.09
2-255N70	5	1.01	2-329N70	20	0.35	2-379N70	1	3.55	2-458N70	1	6.23
2-256N70	5	1.03	2-330N70	20	0.36	2-380N70	1	3.91	2-459N70	1	6.81
2-257N70	5	1.09	2-331N70	20	0.41	2-381N70	1	4.20	2-460N70	1	7.10
2-258N70	5	1.10	2-332N70	20	0.42	2-382N70	1	4.64	2-461N70	1	7.25
2-259N70	5	1.16	2-333N70	20	0.43	2-383N70	1	5.29	2-462N70	1	7.39
2-260N70	5	1.21	2-334N70	20	0.46	2-384N70	1	5.43	2-463N70	1	7.53
2-261N70	5	1.23	2-335N70	10	0.52	2-385N70	1	5.58	2-464N70	1	7.68
2-262N70	5	1.28	2-336N70	10	0.56	2-386N70	1	5.80	2-465N70	1	7.82
2-263N70	5	1.30	2-337N70	10	0.58	2-387N70	1	6.16	2-466N70	1	6.93
2-264N70	5	1.47	2-338N70	10	0.59	2-388N70	1	7.53	2-467N70	1	8.11
2-265N70	5	1.52	2-339N70	10	0.60	2-389N70	1	8.61	2-468N70	1	8.26
2-266N70	5	1.74	2-340N70	10	0.60	2-390N70	1	10.07	2-469N70	1	8.36
2-267N70	5	1.79	2-341N70	10	0.70	2-391N70	1	11.36	2-470N70	1	12.63
2-268N70	1	1.84	2-342N70	10	0.72	2-392N70	1	12.09	2-471N70	1	13.09
2-269N70	1	1.98	2-343N70	10	0.80	2-393N70	1	13.09	2-472N70	1	13.74
2-270N70	1	2.05	2-344N70	10	0.86	2-394N70	1	13.78	2-473N70	1	15.46
2-271N70	1	2.11	2-345N70	10	0.93	2-395N70	1	15.78	2-474N70	1	16.49
2-272N70	1	2.15	2-346N70	10	0.94	2-425N70	5	1.30	2-475N70	1	16.98
2-273N70	1	2.17	2-347N70	10	0.95	2-426N70	5	1.32			
2-274N70	1	2.26	2-348N70	10	0.99	2-427N70	5	1.38			
2-275N70	1	2.40	2-349N70	10	1.01	2-428N70	5	1.45			



INCH

NON-STANDARD 1/4" CROSS SECTION 70 DURO NITRILE O-RINGS

175

O-RINGS

[SEAL INFORMATION]

N70



Reduced prices are available for large quantity purchases of 70 & 90 Durometer O-Rings. Call for a quote. O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	70A NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (70 Duro)

PART NUMBER	I.D.	O.D.	C/S	PKG QTY	LIST PRICE EA
2-400N70	1-3/8	1-7/8	1/4	5	\$ 5.05
2-401N70	1-1/2	2	1/4	5	2.34
2-402N70	1-5/8	2-1/8	1/4	5	2.52
2-403N70	1-3/4	2-1/4	1/4	5	2.52
2-404N70	1-7/8	2-3/8	1/4	5	2.74
2-405N70	2	2-1/2	1/4	5	2.74
2-406N70	2-1/8	2-5/8	1/4	5	2.87
2-407N70	2-1/4	2-3/4	1/4	5	2.91
2-408N70	2-3/8	2-7/8	1/4	5	3.05
2-409N70	2-1/2	3	1/4	5	3.16
2-410N70	2-5/8	3-1/8	1/4	5	3.26
2-411N70	2-3/4	3-1/4	1/4	5	3.48
2-412N70	2-7/8	3-3/8	1/4	5	3.65

PART NUMBER	I.D.	O.D.	C/S	PKG QTY	LIST PRICE EA
2-413N70	3	3-1/2	1/4	5	\$ 3.94
2-414N70	3-1/8	3-5/8	1/4	5	4.27
2-415N70	3-1/4	3-3/4	1/4	5	4.27
2-416N70	3-3/8	3-7/8	1/4	5	4.58
2-417N70	3-1/2	4	1/4	5	4.58
2-418N70	3-5/8	4-1/8	1/4	5	4.83
2-419N70	3-3/4	4-1/4	1/4	5	4.84
2-420N70	3-7/8	4-3/8	1/4	5	5.20
2-421N70	4	4-1/2	1/4	5	5.20
2-422N70	4-1/8	4-5/8	1/4	5	5.40
2-423N70	4-1/4	4-3/4	1/4	5	5.40
2-424N70	4-3/8	4-7/8	1/4	5	5.57



INCH



[SEAL INFORMATION]

SQ = Square Profile

O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	70A NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (HP) - (70 Duro)

PART NUMBER	NOMINAL C/S	ACTUAL C/S	LIST PRICE
062HP1270	*****	.062	\$ 0.38
070HP1270	1/16	.070	0.55
093HP1270	*****	.093	0.66
103HP1270	3/32	.103	0.53
103HP1270SQ	3/32	.103	0.70
125HP1270	*****	.125	0.76
139HP1270	1/8	.139	0.64
139HP1270SQ	1/8	.139	0.87
156HP1270	5/32	.156	0.85
187HP1270	*****	.187	0.98
210HP1270	3/16	.210	0.94

PART NUMBER	NOMINAL C/S	ACTUAL C/S	LIST PRICE
210HP1270SQ	3/16	.210	\$ 1.09
250HP1270	*****	.250	1.16
275HP1270	1/4	.275	1.10
275HP1270SQ	1/4	.275	1.33
313HP1270	5/16	.312	1.54
375HP1270	3/8	.375	1.92
437HP1270	7/16	.437	2.20
500HP1270	1/2	.500	2.50
562HP1270	9/16	.562	2.81
625HP1270	5/8	.625	3.40
750HP1270	3/4	.750	4.32

[SEAL INFORMATION]

N90



Reduced prices are available for large quantity purchases of 70 & 90 Durometer O-Rings. Call for a quote. O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	90A NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (90 Duro)

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-001N90	50	\$ 0.03	2-041N90	20	\$ 0.43	2-132N90	20	\$ 0.25	2-172N90	—	\$ 4.15
2-002N90	50	0.03	2-042N90	10	0.48	2-133N90	20	0.26	2-173N90	1	4.47
2-003N90	50	0.03	2-043N90	10	0.51	2-134N90	20	0.26	2-174N90	—	4.66
2-004N90	50	0.03	2-044N90	10	0.58	2-135N90	20	0.28	2-175N90	—	4.79
2-005N90	50	0.03	2-045N90	10	0.63	2-136N90	20	0.30	2-176N90	—	4.90
2-006N90	50	0.03	2-046N90	10	0.69	2-137N90	20	0.35	2-177N90	—	4.98
2-007N90	50	0.03	2-047N90	5	0.75	2-138N90	20	0.35	2-178N90	1	5.41
2-008N90	50	0.03	2-048N90	5	0.86	2-139N90	20	0.37	2-201N90	50	0.08
2-009N90	50	0.03	2-049N90	5	0.97	2-140N90	20	0.41	2-202N90	50	0.08
2-010N90	50	0.03	2-050N90	5	2.18	2-141N90	20	0.43	2-203N90	50	0.10
2-011N90	50	0.03	2-102N90	50	0.07	2-142N90	20	0.46	2-204N90	50	0.10
2-012N90	50	0.03	2-103N90	50	0.06	2-143N90	20	0.47	2-205N90	50	0.10
2-013N90	50	0.06	2-104N90	50	0.06	2-144N90	20	0.44	2-206N90	50	0.14
2-014N90	50	0.06	2-105N90	50	0.07	2-145N90	20	0.44	2-207N90	50	0.14
2-015N90	50	0.06	2-106N90	50	0.07	2-146N90	20	0.50	2-208N90	50	0.14
2-016N90	50	0.06	2-107N90	50	0.07	2-147N90	20	0.50	2-209N90	50	0.14
2-017N90	50	0.07	2-108N90	50	0.07	2-148N90	20	0.52	2-210N90	50	0.14
2-018N90	50	0.07	2-109N90	50	0.07	2-149N90	20	0.55	2-211N90	50	0.15
2-019N90	50	0.08	2-110N90	50	0.07	2-150N90	20	0.58	2-212N90	50	0.15
2-020N90	50	0.08	2-111N90	50	0.07	2-151N90	20	0.61	2-213N90	50	0.17
2-021N90	50	0.08	2-112N90	50	0.07	2-152N90	10	0.66	2-214N90	50	0.17
2-022N90	50	0.10	2-113N90	50	0.07	2-153N90	10	0.72	2-215N90	50	0.18
2-023N90	50	0.10	2-114N90	50	0.08	2-154N90	10	0.77	2-216N90	50	0.18
2-024N90	50	0.10	2-115N90	50	0.08	2-155N90	10	0.92	2-217N90	50	0.19
2-025N90	50	0.14	2-116N90	50	0.08	2-156N90	10	1.02	2-218N90	20	0.19
2-026N90	50	0.14	2-117N90	50	0.10	2-157N90	5	1.17	2-219N90	20	0.22
2-027N90	50	0.15	2-118N90	50	0.10	2-158N90	5	1.32	2-220N90	20	0.23
2-028N90	20	0.15	2-119N90	50	0.11	2-159N90	5	1.46	2-221N90	20	0.25
2-029N90	20	0.17	2-120N90	50	0.14	2-160N90	5	1.56	2-222N90	20	0.26
2-030N90	20	0.18	2-121N90	50	0.15	2-161N90	5	1.66	2-223N90	20	0.28
2-031N90	20	0.19	2-122N90	50	0.15	2-162N90	5	1.90	2-224N90	20	0.32
2-032N90	20	0.23	2-123N90	50	0.15	2-163N90	5	2.19	2-225N90	20	0.35
2-033N90	20	0.36	2-124N90	50	0.17	2-164N90	5	2.58	2-226N90	20	0.36
2-034N90	20	0.33	2-125N90	50	0.18	2-165N90	5	2.69	2-227N90	20	0.39
2-035N90	20	0.30	2-126N90	20	0.19	2-166N90	5	2.86	2-228N90	20	0.39
2-036N90	20	0.32	2-127N90	20	0.19	2-167N90	5	3.06	2-229N90	20	0.41
2-037N90	20	0.33	2-128N90	20	0.22	2-168N90	—	3.27	2-230N90	20	0.43
2-038N90	20	0.35	2-129N90	20	0.22	2-169N90	—	3.33	2-231N90	20	0.44
2-039N90	20	0.40	2-130N90	20	0.23	2-170N90	—	3.63	2-232N90	10	0.48
2-040N90	20	0.41	2-131N90	20	0.25	2-171N90	1	3.85	2-233N90	10	0.50

O-RINGS



INCH

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-234N90	10	\$ 0.51	2-311N90	—	\$ 0.22	2-364N90	1	\$ 2.57	4-423N90	5	\$ 2.82
2-235N90	10	0.52	2-312N90	50	0.25	2-365N90	1	2.72	4-424N90	5	2.84
2-236N90	10	0.55	2-313N90	20	0.26	2-366N90	1	2.98	2-425N90	5	1.51
2-237N90	10	0.57	2-314N90	—	0.28	2-367N90	1	2.99	2-426N90	5	1.66
2-238N90	10	0.59	2-315N90	20	0.28	2-368N90	1	3.15	2-427N90	5	1.68
2-239N90	10	0.63	2-316N90	20	0.32	2-369N90	1	3.30	2-428N90	5	1.75
2-240N90	10	0.66	2-317N90	20	0.33	2-370N90	1	3.48	2-429N90	5	1.77
2-241N90	10	0.69	2-318N90	20	0.35	2-371N90	1	3.59	2-430N90	5	1.82
2-242N90	10	0.75	2-319N90	20	0.36	2-372N90	1	3.74	2-431N90	5	1.91
2-243N90	10	0.77	2-320N90	20	0.39	2-373N90	1	3.88	2-432N90	5	2.07
2-244N90	10	0.86	2-321N90	20	0.40	2-374N90	1	4.03	2-433N90	5	2.16
2-245N90	10	0.90	2-322N90	20	0.41	2-375N90	1	4.11	2-434N90	5	2.26
2-246N90	5	0.98	2-323N90	20	0.43	2-376N90	1	4.17	2-435N90	1	2.31
2-247N90	5	1.08	2-324N90	20	0.44	2-377N90	1	4.32	2-436N90	1	2.34
2-248N90	5	1.10	2-325N90	20	0.47	2-378N90	1	4.54	2-437N90	1	2.39
2-249N90	5	1.19	2-326N90	20	0.48	2-379N90	1	4.83	2-438N90	1	2.48
2-250N90	5	1.24	2-327N90	20	0.50	2-380N90	1	5.27	2-439N90	1	2.57
2-251N90	5	1.34	2-328N90	20	0.52	2-381N90	1	5.99	2-440N90	1	2.67
2-252N90	5	1.39	2-329N90	20	0.55	2-382N90	1	6.47	2-441N90	1	2.73
2-253N90	5	1.49	2-330N90	20	0.59	2-383N90	1	6.87	2-442N90	1	2.87
2-254N90	5	1.60	2-331N90	10	0.63	2-384N90	1	7.63	2-443N90	1	2.98
2-255N90	5	1.67	2-332N90	10	0.65	2-385N90	1	8.05	2-444N90	1	3.05
2-256N90	5	1.74	2-333N90	10	0.68	2-386N90	—	8.35	2-445N90	1	3.38
2-257N90	5	1.89	2-334N90	10	0.72	2-387N90	—	9.19	2-446N90	1	3.68
2-258N90	5	1.93	2-335N90	10	0.76	2-388N90	—	9.99	2-447N90	1	3.78
2-259N90	5	1.99	2-336N90	10	0.81	2-389N90	—	14.63	2-448N90	1	3.97
2-260N90	1	2.08	2-337N90	10	0.88	2-390N90	—	16.64	2-449N90	1	4.12
2-261N90	1	2.19	2-338N90	10	0.90	2-391N90	—	17.66	2-450N90	1	4.45
2-262N90	1	2.35	2-339N90	10	0.92	2-392N90	—	18.73	2-451N90	1	4.90
2-263N90	1	2.51	2-340N90	10	0.94	2-393N90	—	23.40	2-452N90	1	5.68
2-264N90	1	2.64	2-341N90	10	1.02	2-394N90	—	24.52	2-453N90	1	5.91
2-265N90	1	2.79	2-342N90	10	1.06	2-401N90	5	0.96	2-454N90	1	6.53
2-266N90	1	2.87	2-343N90	10	1.15	2-402N90	5	1.03	2-455N90	1	6.68
2-267N90	1	3.08	2-344N90	5	1.27	2-403N90	5	1.18	2-456N90	1	6.79
2-268N90	1	3.16	2-345N90	5	1.35	2-404N90	5	1.26	2-457N90	1	6.88
2-269N90	1	3.35	2-346N90	5	1.44	2-405N90	5	1.33	2-458N90	1	6.94
2-270N90	1	3.52	2-347N90	5	1.46	2-406N90	5	1.38	2-459N90	1	7.01
2-271N90	1	3.64	2-348N90	5	1.55	2-407N90	5	1.38	2-460N90	1	7.49
2-272N90	1	3.84	2-349N90	5	1.59	2-408N90	5	1.49	2-461N90	1	7.63
2-273N90	1	3.96	2-350N90	5	1.63	2-409N90	5	1.63	2-462N90	1	8.06
2-274N90	1	4.11	2-351N90	5	1.71	2-410N90	5	1.67	2-463N90	1	8.24
2-275N90	1	4.51	2-352N90	5	1.75	4-411N90	5	1.73	2-464N90	1	8.43
2-276N90	1	5.05	2-353N90	5	1.84	4-412N90	5	1.81	2-465N90	—	8.65
2-277N90	1	5.58	2-354N90	5	1.90	4-413N90	5	1.84	2-466N90	1	8.80
2-278N90	1	5.75	2-355N90	5	1.96	4-414N90	5	1.99	2-467N90	—	10.65
2-279N90	1	7.18	2-356N90	5	2.00	4-415N90	5	2.07	2-468N90	1	11.98
2-280N90	1	8.18	2-357N90	5	2.06	4-416N90	5	2.12	2-469N90	1	12.42
2-281N90	1	8.89	2-358N90	5	2.10	4-417N90	5	2.19	2-470N90	—	13.06
2-282N90	1	9.91	2-359N90	5	2.15	4-418N90	5	2.25	2-471N90	1	13.80
2-283N90	1	11.37	2-360N90	5	2.21	4-419N90	5	2.29	2-472N90	1	16.87
2-284N90	1	11.54	2-361N90	1	2.26	4-420N90	5	2.65	2-473N90	1	18.17
2-309N90	—	0.19	2-362N90	1	2.35	4-421N90	5	2.70	2-474N90	—	19.31
2-310N90	50	0.19	2-363N90	1	2.47	4-422N90	5	2.78	2-475N90	—	19.54

90 DURO NITRILE BOSS O-RINGS FOR STRAIGHT THREAD FITTINGS

179

O-RINGS

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		PKG QTY	LIST PRICE EA
		I.D.	W.		
3-901N90	3/32	.185 ±.005	.056 ±.003	50	\$ 0.05
3-902N90	1/8	.239 ±.005	.064 ±.003	50	0.05
3-903N90	3/16	.301 ±.005	.064 ±.003	50	0.05
3-904N90	1/4	.351 ±.005	.072 ±.003	50	0.05
3-905N90	5/16	.414 ±.005	.072 ±.003	50	0.07
3-906N90	3/8	.468 ±.005	.078 ±.003	50	0.07
3-907N90	7/16	.530 ±.005	.082 ±.003	50	0.09
3-908N90	1/2	.644 ±.009	.087 ±.003	50	0.09
3-909N90	9/16	.706 ±.009	.097 ±.003	50	0.11
3-910N90	5/8	.755 ±.009	.097 ±.003	50	0.11
3-911N90	11/16	.863 ±.009	.116 ±.004	50	0.15
3-912N90	3/4	.924 ±.009	.116 ±.004	50	0.16
3-913N90	13/16	.986 ±.010	.116 ±.004	20	0.17
3-914N90	7/8	1.047 ±.010	.116 ±.004	20	0.18
3-916N90	1	1.171 ±.010	.116 ±.004	20	0.21
3-918N90	1-1/8	1.355 ±.012	.116 ±.004	20	0.24
3-920N90	1-1/4	1.475 ±.012	.118 ±.004	20	0.29
3-924N90	1-1/2	1.720 ±.014	.118 ±.004	10	0.33
3-928N90	1-3/4	2.090 ±.018	.118 ±.004	10	0.41
3-932N90	2	2.337 ±.018	.118 ±.004	10	0.46

[SEAL INFORMATION]

MATERIAL

TEMPERATURE RANGE

PART NUMBER

70 DURO NITRILE BOSS O-RINGS



[SEAL INFORMATION]

MATERIAL

TEMPERATURE RANGE

PART NUMBER

PART NUMBER	LIST PRICE
3-901N70	\$ 0.05
3-902N70	0.05
3-903N70	0.05
3-904N70	0.05
3-905N70	0.06

PART NUMBER	LIST PRICE
3-906N70	\$ 0.06
3-907N70	0.06
3-908N70	0.07
3-909N70	0.08
3-910N70	0.08

PART NUMBER	LIST PRICE
3-911N70	\$ 0.12
3-912N70	0.13
3-913N70	0.13
3-914N70	0.14
3-916N70	0.17

PART NUMBER	LIST PRICE
3-918N70	\$ 0.20
3-920N70	0.26
3-924N70	0.26
3-928N70	0.29
3-932N70	0.30

INCH



[SEAL INFORMATION]

V75BR



Note: Fluorocarbon O-rings also available in black. O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL75A BROWN
FLUOROCARBON**TEMPERATURE RANGE**

-20° TO +400° F

PRESSURE RANGEVARIES ACCORDING TO
DIAMETRICAL CLEARANCE**PART NUMBER**

(Prefix) - (Dash #) - (Material)

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-001V75BR	56	\$ 0.19	2-039V75BR	3	\$ 1.25	2-128V75BR	5	\$ 0.80	2-166V75BR	1	\$ 5.20
2-002V75BR	50	0.19	2-040V75BR	3	1.32	2-129V75BR	5	0.85	2-167V75BR	1	5.26
2-003V75BR	40	0.19	2-041V75BR	3	1.43	2-130V75BR	5	0.90	2-168V75BR	1	5.30
2-004V75BR	40	0.19	2-042V75BR	3	1.57	2-131V75BR	3	0.94	2-169V75BR	1	5.34
2-005V75BR	40	0.19	2-043V75BR	3	1.73	2-132V75BR	4	0.97	2-170V75BR	1	5.40
2-006V75BR	40	0.18	2-044V75BR	3	1.86	2-133V75BR	4	1.01	2-171V75BR	1	5.50
2-007V75BR	40	0.18	2-045V75BR	2	2.03	2-134V75BR	3	1.03	2-172V75BR	1	5.54
2-008V75BR	40	0.17	2-046V75BR	2	2.39	2-135V75BR	3	1.06	2-173V75BR	1	6.13
2-009V75BR	30	0.17	2-047V75BR	2	2.35	2-136V75BR	3	1.10	2-174V75BR	1	6.48
2-010V75BR	30	0.18	2-048V75BR	2	2.57	2-137V75BR	4	1.15	2-175V75BR	1	6.84
2-011V75BR	30	0.18	2-049V75BR	2	2.95	2-138V75BR	3	1.20	2-176V75BR	1	7.03
2-012V75BR	20	0.19	2-050V75BR	1	3.38	2-139V75BR	2	1.25	2-177V75BR	1	7.13
2-013V75BR	20	0.19	2-102V75BR	50	0.22	2-140V75BR	2	1.30	2-178V75BR	1	7.19
2-014V75BR	20	0.22	2-103V75BR	15	0.23	2-141V75BR	3	1.33	2-201V75BR	15	0.38
2-015V75BR	20	0.23	2-104V75BR	27	0.24	2-142V75BR	3	1.38	2-202V75BR	15	0.42
2-016V75BR	20	0.23	2-105V75BR	15	0.24	2-143V75BR	2	1.42	2-203V75BR	10	0.44
2-017V75BR	15	0.24	2-106V75BR	15	0.24	2-144V75BR	3	1.44	2-204V75BR	10	0.48
2-018V75BR	15	0.25	2-107V75BR	15	0.24	2-145V75BR	2	1.46	2-205V75BR	8	0.49
2-019V75BR	15	0.26	2-108V75BR	15	0.25	2-146V75BR	2	1.51	2-206V75BR	8	0.50
2-020V75BR	15	0.29	2-109V75BR	15	0.26	2-147V75BR	3	1.54	2-207V75BR	10	0.53
2-021V75BR	15	0.30	2-110V75BR	15	0.26	2-148V75BR	3	1.58	2-208V75BR	7	0.55
2-022V75BR	15	0.32	2-111V75BR	15	0.28	2-149V75BR	2	1.63	2-209V75BR	6	0.58
2-023V75BR	15	0.34	2-112V75BR	15	0.32	2-150V75BR	2	1.70	2-210V75BR	5	0.61
2-024V75BR	15	0.36	2-113V75BR	15	0.34	2-151V75BR	2	1.82	2-211V75BR	5	0.65
2-025V75BR	8	0.38	2-114V75BR	10	0.34	2-152V75BR	2	1.97	2-212V75BR	5	0.68
2-026V75BR	10	0.42	2-115V75BR	10	0.37	2-153V75BR	5	2.17	2-213V75BR	5	0.73
2-027V75BR	10	0.44	2-116V75BR	10	0.41	2-154V75BR	2	2.41	2-214V75BR	5	0.79
2-028V75BR	10	0.48	2-117V75BR	10	0.44	2-155V75BR	2	2.51	2-215V75BR	4	0.85
2-029V75BR	10	0.56	2-118V75BR	10	0.44	2-156V75BR	2	2.71	2-216V75BR	5	0.91
2-030V75BR	5	0.64	2-119V75BR	10	0.49	2-157V75BR	1	2.94	2-217V75BR	3	0.96
2-031V75BR	5	0.71	2-120V75BR	10	0.52	2-158V75BR	2	3.19	2-218V75BR	3	1.02
2-032V75BR	5	0.88	2-121V75BR	10	0.56	2-159V75BR	1	3.47	2-219V75BR	3	1.07
2-033V75BR	5	0.94	2-122V75BR	10	0.61	2-160V75BR	1	4.03	2-220V75BR	3	1.13
2-034V75BR	3	0.98	2-123V75BR	10	0.65	2-161V75BR	1	4.26	2-221V75BR	3	1.19
2-035V75BR	3	1.01	2-124V75BR	10	0.68	2-162V75BR	1	4.46	2-222V75BR	3	1.25
2-036V75BR	3	1.10	2-125V75BR	5	0.71	2-163V75BR	1	4.61	2-223V75BR	3	1.31
2-037V75BR	3	1.15	2-126V75BR	5	0.76	2-164V75BR	1	4.85	2-224V75BR	3	1.40
2-038V75BR	3	1.21	2-127V75BR	5	0.78	2-165V75BR	1	5.10	2-225V75BR	3	1.51

75 DURO BROWN FLUOROCARBON O-RINGS

181

O-RINGS

PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA	PART NUMBER	PKG QTY	LIST PRICE EA
2-226V75BR	3	\$ 1.61	2-275V75BR	1	\$ 11.06	2-348V75BR	1	\$ 7.00	2-427V75BR	1	\$ 11.98
2-227V75BR	2	1.74	2-276V75BR	1	11.38	2-349V75BR	1	7.10	2-428V75BR	1	12.24
2-228V75BR	3	1.84	2-277V75BR	1	11.64	2-350V75BR	1	7.25	2-429V75BR	1	12.98
2-229V75BR	2	1.93	2-278V75BR	1	11.96	2-351V75BR	1	7.64	2-430V75BR	1	13.24
2-230V75BR	2	2.06	2-279V75BR	1	12.54	2-352V75BR	1	7.99	2-431V75BR	1	13.74
2-231V75BR	2	2.18	2-280V75BR	1	13.15	2-353V75BR	1	8.26	2-432V75BR	1	14.29
2-232V75BR	2	2.28	2-281V75BR	1	14.21	2-354V75BR	1	8.50	2-433V75BR	1	14.48
2-233V75BR	2	2.42	2-282V75BR	1	15.25	2-355V75BR	1	8.90	2-434V75BR	1	14.74
2-234V75BR	2	2.56	2-283V75BR	1	16.74	2-356V75BR	1	9.00	2-435V75BR	1	14.99
2-235V75BR	2	2.72	2-284V75BR	1	18.04	2-357V75BR	1	9.05	2-436V75BR	1	15.62
2-236V75BR	2	2.88	2-309V75BR	3	0.98	2-358V75BR	1	9.08	2-437V75BR	1	15.86
2-237V75BR	2	2.98	2-310V75BR	3	1.20	2-359V75BR	1	9.24	2-438V75BR	1	16.13
2-238V75BR	2	3.11	2-311V75BR	3	1.39	2-360V75BR	1	9.44	2-439V75BR	1	16.63
2-239V75BR	2	3.28	2-312V75BR	3	1.54	2-361V75BR	1	11.28	2-440V75BR	1	17.14
2-240V75BR	2	3.37	2-313V75BR	3	1.66	2-362V75BR	1	10.74	2-441V75BR	1	17.88
2-241V75BR	1	3.50	2-314V75BR	3	1.79	2-363V75BR	1	11.29	2-442V75BR	1	18.29
2-242V75BR	1	3.60	2-315V75BR	3	1.80	2-364V75BR	1	11.59	2-443V75BR	1	19.39
2-243V75BR	1	3.82	2-316V75BR	3	1.90	2-365V75BR	1	11.86	2-444V75BR	1	20.27
2-244V75BR	1	3.95	2-317V75BR	3	1.94	2-366V75BR	1	12.30	2-445V75BR	1	21.17
2-245V75BR	1	4.04	2-318V75BR	2	2.00	2-367V75BR	1	12.60	2-446V75BR	1	21.67
2-246V75BR	1	4.20	2-319V75BR	2	2.09	2-368V75BR	1	12.86	2-447V75BR	1	22.18
2-247V75BR	1	4.37	2-320V75BR	2	2.18	2-369V75BR	1	13.61	2-448V75BR	1	23.14
2-248V75BR	1	4.50	2-321V75BR	2	2.30	2-370V75BR	1	13.87	2-449V75BR	1	24.67
2-249V75BR	1	4.62	2-322V75BR	2	2.40	2-371V75BR	1	14.11	2-450V75BR	1	25.93
2-250V75BR	1	4.75	2-323V75BR	2	2.46	2-372V75BR	1	14.38	2-451V75BR	1	27.96
2-251V75BR	1	4.85	2-324V75BR	2	2.54	2-373V75BR	1	14.88	2-452V75BR	1	28.99
2-252V75BR	1	5.02	2-325V75BR	2	2.60	2-374V75BR	1	15.12	2-453V75BR	1	31.02
2-253V75BR	1	5.12	2-326V75BR	1	2.65	2-375V75BR	1	15.62	2-454V75BR	1	32.04
2-254V75BR	1	5.27	2-327V75BR	1	2.75	2-376V75BR	1	16.03	2-455V75BR	1	33.31
2-255V75BR	1	5.41	2-328V75BR	1	2.89	2-377V75BR	1	16.78	2-456V75BR	1	34.84
2-256V75BR	1	5.60	2-329V75BR	1	3.19	2-378V75BR	1	18.82	2-457V75BR	1	36.36
2-257V75BR	1	5.80	2-330V75BR	1	3.38	2-379V75BR	1	20.35	2-458V75BR	1	38.39
2-258V75BR	1	6.02	2-331V75BR	1	3.59	2-380V75BR	1	22.88	2-459V75BR	1	40.16
2-259V75BR	1	6.19	2-332V75BR	1	3.73	2-381V75BR	1	23.39	2-460V75BR	1	42.06
2-260V75BR	1	6.36	2-333V75BR	1	3.97	2-382V75BR	1	26.70	2-461V75BR	—	43.86
2-261V75BR	1	6.54	2-334V75BR	1	4.12	2-383V75BR	1	30.01	2-462V75BR	—	46.16
2-262V75BR	1	6.85	2-335V75BR	1	4.42	2-384V75BR	1	30.52	2-463V75BR	—	48.23
2-263V75BR	1	7.18	2-336V75BR	1	4.85	2-385V75BR	1	32.54	2-464V75BR	1	49.25
2-264V75BR	1	7.46	2-337V75BR	1	5.10	2-386V75BR	1	34.37	2-465V75BR	1	51.78
2-265V75BR	1	7.88	2-338V75BR	1	5.40	2-387V75BR	1	34.90	2-466V75BR	1	53.87
2-266V75BR	1	8.23	2-339V75BR	1	5.75	2-388V75BR	1	35.40	2-467V75BR	—	55.15
2-267V75BR	1	8.69	2-340V75BR	1	5.95	2-389V75BR	1	35.65	2-468V75BR	1	57.72
2-268V75BR	1	8.92	2-341V75BR	1	6.10	2-390V75BR	1	36.43	2-469V75BR	—	58.99
2-269V75BR	1	9.29	2-342V75BR	1	6.19	2-391V75BR	1	40.69	2-470V75BR	—	60.82
2-270V75BR	1	9.59	2-343V75BR	1	6.29	2-392V75BR	1	43.61	2-471V75BR	—	62.98
2-271V75BR	1	9.86	2-344V75BR	1	6.49	2-393V75BR	1	47.45	2-472V75BR	—	64.70
2-272V75BR	1	10.15	2-345V75BR	1	6.70	2-394V75BR	1	48.48	2-473V75BR	1	67.27
2-273V75BR	1	10.45	2-346V75BR	1	6.84	2-425V75BR	1	10.74	2-474V75BR	—	69.86
2-274V75BR	1	10.75	2-347V75BR	1	6.94	2-426V75BR	1	11.50	2-475V75BR	1	75.05



INCH



75 DURO FLUOROCARBON O-RING CORD

O-RINGS

PART NUMBER	C/S NOMINAL	C/S ACTUAL	LIST PRICE PER FOOT
062HPVTN75	****	.062	\$ 2.28
070HPVTN75	1/16	.070	2.18
093HPVTN75	****	.093	2.68
103HPVTN75	3/32	.103	3.67
125HPVTN75	****	.125	4.10
139HPVTN75	1/8	.139	3.96
187HPVTN75	****	.187	7.17
210HPVTN75	3/16	.210	6.64
250HPVTN75	****	.250	11.99
275HPVTN75	1/4	.275	11.22

[SEAL INFORMATION]

MATERIAL	75A BLACK FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (75 Duro Fluorocarbon)

NOTE: Cord is BLACK fluorocarbon. See O-Ring Kit section for Splicing Information.

75 DURO BROWN FLUOROCARBON BOSS O-RINGS

[SEAL INFORMATION]

V75BR



MATERIAL	75A BROWN FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (75 Duro Flrcbn)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
3-901V75BR	\$ 0.20	3-906V75BR	\$ 0.30	3-911V75BR	\$ 0.56	3-918V75BR	\$ 1.18
3-902V75BR	0.23	3-907V75BR	0.32	3-912V75BR	0.81	3-920V75BR	1.36
3-903V75BR	0.24	3-908V75BR	0.39	3-913V75BR	0.94	3-924V75BR	1.95
3-904V75BR	0.26	3-909V75BR	0.43	3-914V75BR	1.03	3-928V75BR	2.34
3-905V75BR	0.27	3-910V75BR	0.51	3-916V75BR	1.12	3-932V75BR	2.76

INCH



[SEAL INFORMATION]

V90



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	90A BLACK FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (90 Duro Flrcbn)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-006V90	\$ 0.26	2-127V90	\$ 1.00	2-227V90	\$ 2.09	2-327V90	\$ 3.22	2-428V90	\$ 17.45
2-008V90	0.28	2-128V90	1.06	2-228V90	2.22	2-328V90	3.32	2-429V90	18.07
2-009V90	0.28	2-129V90	1.12	2-229V90	2.36	2-329V90	3.53	2-430V90	18.40
2-010V90	0.29	2-130V90	1.21	2-230V90	2.53	2-330V90	3.76	2-431V90	18.74
2-011V90	0.29	2-131V90	1.30	2-231V90	2.69	2-331V90	3.97	2-432V90	19.30
2-012V90	0.30	2-132V90	1.39	2-232V90	2.83	2-332V90	4.19	2-434V90	19.97
2-013V90	0.31	2-134V90	1.48	2-233V90	2.99	2-333V90	4.39	2-435V90	20.58
2-014V90	0.32	2-135V90	1.54	2-234V90	3.14	2-334V90	4.61	2-436V90	21.20
2-015V90	0.34	2-136V90	1.60	2-237V90	3.65	2-335V90	4.94	2-437V90	22.14
2-016V90	0.35	2-137V90	1.63	2-238V90	3.80	2-336V90	5.24	2-438V90	23.09
2-017V90	0.35	2-138V90	1.67	2-239V90	3.91	2-337V90	5.54	2-439V90	23.99
2-018V90	0.36	2-139V90	1.70	2-240V90	4.06	2-338V90	5.93	2-440V90	24.94
2-019V90	0.37	2-140V90	1.74	2-241V90	4.18	2-339V90	6.31	2-442V90	26.83
2-020V90	0.37	2-141V90	1.79	2-243V90	4.48	2-340V90	6.62	2-443V90	27.47
2-021V90	0.40	2-142V90	1.84	2-245V90	4.84	2-341V90	6.94	2-444V90	28.45
2-022V90	0.40	2-150V90	2.47	2-246V90	5.17	2-342V90	7.18	2-445V90	30.26
2-023V90	0.42	2-153V90	2.95	2-247V90	5.61	2-343V90	7.45	2-446V90	31.81
2-024V90	0.46	2-155V90	3.12	2-248V90	5.46	2-344V90	7.66	2-447V90	33.44
2-025V90	0.50	2-156V90	3.50	2-250V90	5.69	2-345V90	7.96	2-448V90	34.94
2-026V90	0.43	2-157V90	3.76	2-252V90	5.90	2-346V90	8.23	2-449V90	36.65
2-028V90	0.62	2-162V90	5.22	2-254V90	6.07	2-347V90	8.46	2-450V90	38.08
2-030V90	0.71	2-163V90	5.45	2-257V90	7.12	2-348V90	8.69	2-451V90	39.31
2-032V90	0.85	2-169V90	6.42	2-258V90	7.26	2-349V90	8.99	2-452V90	40.84
2-042V90	1.90	2-203V90	0.52	2-260V90	7.73	2-350V90	9.32	2-453V90	42.43
2-106V90	0.34	2-209V90	0.71	2-261V90	8.00	2-351V90	9.55	2-454V90	43.93
2-108V90	0.37	2-210V90	0.76	2-262V90	8.35	2-354V90	10.63	2-455V90	45.61
2-109V90	0.38	2-211V90	0.82	2-264V90	8.88	2-360V90	11.77	2-456V90	47.46
2-111V90	0.43	2-212V90	0.88	2-265V90	9.11	2-362V90	13.28	2-458V90	50.58
2-112V90	0.46	2-213V90	0.92	2-266V90	9.58	2-363V90	14.02	2-459V90	52.40
2-113V90	0.48	2-214V90	1.01	2-268V90	9.88	2-364V90	14.34	2-460V90	53.99
2-114V90	0.50	2-215V90	1.09	2-272V90	11.34	2-366V90	15.04	2-461V90	55.82
2-115V90	0.53	2-216V90	1.19	2-274V90	12.80	2-367V90	15.61	2-462V90	58.12
2-116V90	0.55	2-217V90	1.27	2-277V90	13.72	2-368V90	16.22	2-463V90	60.20
2-117V90	0.58	2-218V90	1.42	2-278V90	14.22	2-371V90	17.50	2-465V90	64.73
2-118V90	0.60	2-219V90	1.48	2-279V90	14.83	2-372V90	17.82	2-466V90	66.10
2-119V90	0.62	2-220V90	1.56	2-320V90	2.62	2-376V90	19.69	2-467V90	67.20
2-121V90	0.66	2-222V90	1.67	2-321V90	2.74	2-382V90	32.81	2-469V90	70.85
2-123V90	0.77	2-223V90	1.75	2-322V90	2.84	2-383V90	36.79	2-470V90	75.86
2-124V90	0.82	2-224V90	1.84	2-324V90	3.02	2-425V90	16.21	2-474V90	101.86
2-125V90	0.88	2-225V90	1.91	2-325V90	3.08	2-426V90	16.56		
2-126V90	0.96	2-226V90	1.99	2-326V90	3.13	2-427V90	17.15		



90 DURO FLUOROCARBON BOSS O-RINGS

O-RINGS

[SEAL INFORMATION]

V90



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	90A BLACK FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (90 Duro Flrcbn)

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-901V90	3/32	.185 ±.005	.056 ±.003	\$ 0.29
3-902V90	1/8	.239 ±.005	.064 ±.003	0.32
3-903V90	3/16	.301 ±.005	.064 ±.003	0.35
3-904V90	1/4	.351 ±.005	.072 ±.003	0.38
3-905V90	5/16	.414 ±.005	.072 ±.003	0.40
3-906V90	3/8	.468 ±.005	.078 ±.003	0.41
3-907V90	7/16	.530 ±.005	.082 ±.003	0.46
3-908V90	1/2	.644 ±.009	.087 ±.003	0.54
3-909V90	9/16	.706 ±.009	.097 ±.003	0.64
3-910V90	5/8	.755 ±.009	.097 ±.003	0.74

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-911V90	11/16	.863 ±.009	.116 ±.004	\$ 0.84
3-912V90	3/4	.924 ±.009	.116 ±.004	1.19
3-913V90	13/16	.986 ±.010	.116 ±.004	1.22
3-914V90	7/8	1.047 ±.010	.116 ±.004	1.55
3-916V90	1	1.171 ±.010	.116 ±.004	1.66
3-918V90	1-1/8	1.355 ±.012	.116 ±.004	1.79
3-920V90	1-1/4	1.475 ±.012	.118 ±.004	2.02
3-924V90	1-1/2	1.720 ±.014	.118 ±.004	2.96
3-928V90	1-3/4	2.090 ±.018	.118 ±.004	3.54
3-932V90	2	2.337 ±.018	.118 ±.004	4.14

90 DURO BROWN FLUOROCARBON BOSS O-RINGS

[SEAL INFORMATION]

V90BR



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	90A BROWN FLUOROCARBON
TEMPERATURE RANGE	-20° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (90 Duro Flrcbn)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
3-901V90BR	\$ 0.30	3-906V90BR	\$ 0.43	3-911V90BR	\$ 0.88	3-918V90BR	\$ 1.86
3-902V90BR	0.34	3-907V90BR	0.48	3-912V90BR	1.24	3-920V90BR	2.10
3-903V90BR	0.36	3-908V90BR	0.56	3-913V90BR	1.28	3-924V90BR	3.09
3-904V90BR	0.40	3-909V90BR	0.66	3-914V90BR	1.61	3-928V90BR	3.69
3-905V90BR	0.41	3-910V90BR	0.78	3-916V90BR	1.73	3-932V90BR	4.31

INCH



70 DURO ETHYLENE PROPYLENE O-RINGS

185

O-RINGS

[SEAL INFORMATION]

E70



MATERIAL	70A ETHYLENE PROPYLENE
TEMPERATURE RANGE	-65° TO +300° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (Ethylene Prplne)

NOTE: This compound is NOT D.O.T. certified for brake system use.
O-Ring stock orders require \$2 line minimum (5 or more lines).

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-001E70	\$ 0.21	2-033E70	\$ 0.60	2-116E70	\$ 0.24	2-148E70	\$ 0.81
2-002E70	0.21	2-034E70	0.66	2-117E70	0.24	2-149E70	0.84
2-003E70	0.21	2-035E70	0.72	2-118E70	0.24	2-150E70	0.87
2-004E70	0.21	2-036E70	0.77	2-119E70	0.26	2-151E70	0.90
2-005E70	0.21	2-037E70	0.84	2-120E70	0.26	2-152E70	0.93
2-006E70	0.20	2-038E70	0.90	2-121E70	0.27	2-153E70	0.96
2-007E70	0.18	2-039E70	0.95	2-122E70	0.27	2-154E70	0.99
2-008E70	0.17	2-040E70	1.01	2-123E70	0.27	2-155E70	1.04
2-009E70	0.17	2-041E70	1.07	2-124E70	0.29	2-156E70	1.10
2-010E70	0.18	2-042E70	1.13	2-125E70	0.29	2-157E70	1.17
2-011E70	0.18	2-043E70	1.20	2-126E70	0.32	2-158E70	1.26
2-012E70	0.20	2-044E70	1.28	2-127E70	0.35	2-159E70	1.35
2-013E70	0.20	2-045E70	1.34	2-128E70	0.36	2-160E70	1.46
2-014E70	0.20	2-046E70	1.38	2-129E70	0.38	2-161E70	1.53
2-015E70	0.21	2-047E70	1.43	2-130E70	0.41	2-162E70	1.70
2-016E70	0.21	2-048E70	1.47	2-131E70	0.44	2-163E70	1.83
2-017E70	2.52	2-049E70	1.53	2-132E70	0.45	2-164E70	2.03
2-018E70	3.71	2-050E70	1.59	2-133E70	0.47	2-165E70	2.22
2-019E70	4.43	2-102E70	0.23	2-134E70	0.48	2-166E70	2.42
2-020E70	5.18	2-103E70	0.23	2-135E70	0.50	2-167E70	2.61
2-021E70	0.29	2-104E70	0.21	2-136E70	0.51	2-168E70	2.78
2-022E70	0.30	2-105E70	0.21	2-137E70	0.54	2-169E70	2.91
2-023E70	0.32	2-106E70	0.20	2-138E70	0.57	2-170E70	3.05
2-024E70	0.33	2-107E70	0.20	2-139E70	0.62	2-171E70	3.15
2-025E70	0.35	2-108E70	0.20	2-140E70	0.63	2-172E70	3.29
2-026E70	0.36	2-109E70	0.21	2-141E70	0.66	2-173E70	3.39
2-027E70	0.39	2-110E70	0.21	2-142E70	0.65	2-174E70	3.50
2-028E70	0.42	2-111E70	0.21	2-143E70	0.68	2-175E70	3.62
2-029E70	0.45	2-112E70	0.23	2-144E70	0.69	2-176E70	3.72
2-030E70	0.48	2-113E70	0.23	2-145E70	0.72	2-177E70	3.83
2-031E70	0.53	2-114E70	0.23	2-146E70	0.75	2-178E70	3.90
2-032E70	0.57	2-115E70	0.23	2-147E70	0.78	2-201E70	0.27



INCH



O-RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-202E70	\$ 0.27	2-247E70	\$ 1.19	2-316E70	\$ 0.36	2-361E70	\$ 2.28
2-203E70	0.27	2-248E70	1.26	2-317E70	0.38	2-362E70	2.39
2-204E70	0.26	2-249E70	1.32	2-318E70	0.39	2-363E70	2.49
2-205E70	0.26	2-250E70	1.40	2-319E70	0.39	2-364E70	2.61
2-206E70	0.26	2-251E70	1.47	2-320E70	0.41	2-365E70	2.72
2-207E70	0.27	2-252E70	1.56	2-321E70	0.41	2-366E70	2.82
2-208E70	0.27	2-253E70	1.65	2-322E70	0.41	2-367E70	2.96
2-209E70	0.27	2-254E70	1.77	2-323E70	0.42	2-368E70	3.09
2-210E70	0.29	2-255E70	1.83	2-324E70	0.44	2-369E70	3.29
2-211E70	0.29	2-256E70	1.88	2-325E70	0.45	2-370E70	3.50
2-212E70	0.30	2-257E70	1.98	2-326E70	0.47	2-371E70	3.75
2-213E70	0.30	2-258E70	2.09	2-327E70	0.48	2-372E70	4.02
2-214E70	0.32	2-259E70	2.19	2-328E70	0.51	2-373E70	4.38
2-215E70	0.32	2-260E70	2.31	2-329E70	0.54	2-374E70	4.71
2-216E70	0.32	2-261E70	2.45	2-330E70	0.57	2-375E70	5.12
2-217E70	0.35	2-262E70	2.55	2-331E70	0.62	2-376E70	5.48
2-218E70	0.36	2-263E70	2.72	2-332E70	0.66	2-377E70	5.81
2-219E70	0.36	2-264E70	2.84	2-333E70	0.71	2-378E70	6.15
2-220E70	0.38	2-265E70	3.00	2-334E70	0.75	2-379E70	6.54
2-221E70	0.38	2-266E70	3.21	2-335E70	0.80	2-380E70	6.95
2-222E70	0.39	2-267E70	3.38	2-336E70	0.84	2-381E70	7.37
2-223E70	0.39	2-268E70	3.56	2-337E70	0.89	2-382E70	7.92
2-224E70	0.42	2-269E70	3.69	2-338E70	0.95	2-383E70	8.39
2-225E70	0.44	2-270E70	4.01	2-339E70	0.99	2-384E70	9.06
2-226E70	0.45	2-271E70	4.40	2-340E70	1.04	2-385E70	9.86
2-227E70	0.47	2-272E70	4.79	2-341E70	1.10	2-386E70	10.49
2-228E70	0.50	2-273E70	5.28	2-342E70	1.16	2-387E70	11.15
2-229E70	0.53	2-274E70	5.81	2-343E70	1.22	2-388E70	11.81
2-230E70	0.54	2-275E70	6.21	2-344E70	1.26	2-389E70	12.57
2-231E70	0.56	2-276E70	6.59	2-345E70	1.32	2-390E70	13.22
2-232E70	0.57	2-277E70	6.93	2-346E70	1.38	2-391E70	14.04
2-233E70	0.59	2-278E70	7.25	2-347E70	1.43	2-392E70	11.69
2-234E70	0.60	2-279E70	7.74	2-348E70	1.47	2-393E70	15.38
2-235E70	0.63	2-280E70	8.25	2-349E70	1.52	2-394E70	16.11
2-236E70	0.66	2-281E70	8.82	2-350E70	1.58	2-395E70	17.13
2-237E70	0.69	2-282E70	9.47	2-351E70	1.64	2-425E70	3.59
2-238E70	0.74	2-283E70	10.34	2-352E70	1.68	2-426E70	3.81
2-239E70	0.80	2-284E70	11.19	2-353E70	1.74	2-427E70	4.35
2-240E70	0.84	2-309E70	0.33	2-354E70	1.80	2-428E70	4.62
2-241E70	0.89	2-310E70	0.33	2-355E70	1.85	2-429E70	4.82
2-242E70	0.92	2-311E70	0.33	2-356E70	1.91	2-430E70	5.01
2-243E70	0.96	2-312E70	0.35	2-357E70	1.97	2-431E70	5.21
2-244E70	1.01	2-313E70	0.35	2-358E70	2.01	2-432E70	5.40
2-245E70	1.07	2-314E70	0.35	2-359E70	2.09	2-433E70	5.58
2-246E70	1.13	2-315E70	0.36	2-360E70	2.18	2-434E70	5.79

INCH

70 DURO ETHYLENE PROPYLENE O-RINGS

O-RINGS

PART NUMBER	LIST PRICE
2-435E70	\$ 5.99
2-436E70	6.20
2-437E70	6.41
2-438E70	6.62
2-439E70	6.83
2-440E70	7.02
2-441E70	7.23
2-442E70	7.49
2-443E70	7.80
2-444E70	8.16
2-445E70	8.49

PART NUMBER	LIST PRICE
2-446E70	\$ 8.90
2-447E70	9.32
2-448E70	9.68
2-449E70	10.19
2-450E70	10.71
2-451E70	11.45
2-452E70	12.27
2-453E70	13.14
2-454E70	13.88
2-455E70	14.61
2-456E70	15.33

PART NUMBER	LIST PRICE
2-457E70	\$ 16.16
2-458E70	16.97
2-459E70	17.82
2-460E70	18.69
2-461E70	19.50
2-462E70	20.58
2-463E70	21.65
2-464E70	22.71
2-465E70	23.96
2-466E70	25.07
2-467E70	26.33

PART NUMBER	LIST PRICE
2-468E70	\$ 27.39
2-469E70	28.53
2-470E70	29.76
2-471E70	30.95
2-472E70	32.19
2-473E70	33.59
2-474E70	34.83
2-475E70	36.29

70 DURO ETHYLENE PROPYLENE BOSS O-RINGS

[SEAL INFORMATION]

E70



MATERIAL	70A ETHYLENE PROPYLENE
TEMPERATURE RANGE	-65° TO +300° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (70 Duro EPDM)

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-901E70	3/32	.185 ±.005	.056 ±.003	\$ 0.20
3-902E70	1/8	.239 ±.005	.064 ±.003	0.20
2-903E70	3/16	.301 ±.005	.064 ±.003	0.21
3-904E70	1/4	.351 ±.005	.072 ±.003	0.21
3-905E70	5/16	.414 ±.005	.072 ±.003	0.23
3-906E70	3/8	.468 ±.005	.078 ±.003	0.24
3-907E70	7/16	.530 ±.005	.082 ±.003	0.27
3-908E70	1/2	.644 ±.009	.087 ±.003	0.30
3-909E70	9/16	.706 ±.009	.097 ±.003	0.33
3-910E70	5/8	.755 ±.009	.097 ±.003	0.36

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-911E70	11/16	.863 ±.009	.116 ±.004	\$ 0.39
3-912E70	3/4	.924 ±.009	.116 ±.004	0.42
3-913E70	13/16	.986 ±.010	.116 ±.004	0.45
3-914E70	7/8	1.047 ±.010	.116 ±.004	0.48
3-916E70	1	1.171 ±.010	.116 ±.004	0.51
3-918E70	1-1/8	1.355 ±.012	.116 ±.004	0.56
3-920E70	1-1/4	1.475 ±.012	.118 ±.004	0.60
3-924E70	1-1/2	1.720 ±.014	.118 ±.004	0.65
3-928E70	1-3/4	2.090 ±.018	.118 ±.004	0.69
3-932E70	2	2.337 ±.018	.118 ±.004	0.74



INCH

[SEAL INFORMATION]

S70



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	70A RED SILICONE
TEMPERATURE RANGE	-70° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (Silicone)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-001S70	\$ 0.18	2-032S70	\$ 0.65	2-114S70	\$ 0.23	2-145S70	\$ 1.31
2-002S70	0.18	2-033S70	0.74	2-115S70	0.23	2-146S70	1.38
2-003S70	0.17	2-034S70	0.82	2-116S70	0.25	2-147S70	1.43
2-004S70	0.16	2-035S70	0.91	2-117S70	0.26	2-148S70	1.48
2-005S70	0.13	2-036S70	0.99	2-118S70	0.31	2-149S70	1.55
2-006S70	0.12	2-037S70	1.07	2-119S70	0.38	2-150S70	1.61
2-007S70	0.12	2-038S70	1.13	2-120S70	0.42	2-151S70	1.68
2-008S70	0.12	2-039S70	1.20	2-121S70	0.44	2-152S70	1.74
2-009S70	0.12	2-040S70	1.27	2-122S70	0.47	2-153S70	1.82
2-010S70	0.13	2-041S70	1.35	2-123S70	0.49	2-154S70	1.90
2-011S70	0.16	2-042S70	1.43	2-124S70	0.52	2-155S70	1.98
2-012S70	0.17	2-043S70	1.53	2-125S70	0.55	2-156S70	2.05
2-013S70	0.18	2-044S70	1.64	2-126S70	0.57	2-157S70	2.15
2-014S70	0.20	2-045S70	1.74	2-127S70	0.60	2-158S70	2.37
2-015S70	0.22	2-046S70	1.85	2-128S70	0.62	2-159S70	2.46
2-016S70	0.22	2-047S70	1.94	2-129S70	0.65	2-160S70	2.70
2-017S70	0.22	2-048S70	2.02	2-130S70	0.68	2-161S70	2.87
2-018S70	0.23	2-049S70	2.09	2-131S70	0.70	2-162S70	3.06
2-019S70	0.27	2-050S70	2.17	2-132S70	0.74	2-163S70	3.22
2-020S70	0.27	2-102S70	0.21	2-133S70	0.78	2-164S70	3.45
2-021S70	0.30	2-103S70	0.22	2-134S70	0.82	2-165S70	3.71
2-022S70	0.31	2-104S70	0.20	2-135S70	0.86	2-166S70	3.87
2-023S70	0.34	2-105S70	0.20	2-136S70	0.90	2-167S70	4.06
2-024S70	0.36	2-106S70	0.20	2-137S70	0.94	2-168S70	4.29
2-025S70	0.39	2-107S70	0.20	2-138S70	0.98	2-169S70	4.58
2-026S70	0.43	2-108S70	0.21	2-139S70	1.01	2-170S70	4.88
2-027S70	0.46	2-109S70	0.21	2-140S70	1.05	2-171S70	5.16
2-028S70	0.49	2-110S70	0.22	2-141S70	1.11	2-172S70	5.46
2-029S70	0.53	2-111S70	0.22	2-142S70	1.16	2-173S70	5.58
2-030S70	0.57	2-112S70	0.22	2-143S70	1.21	2-174S70	5.81
2-031S70	0.61	2-113S70	0.23	2-144S70	1.26	2-175S70	6.05

70A DURO SILICONE O-RINGS

189

O-RINGS

PART NUMBER	LIST PRICE
2-176S70	\$ 6.33
2-177S70	6.57
2-178S70	6.93
2-201S70	0.26
2-202S70	0.27
2-203S70	0.29
2-204S70	0.30
2-205S70	0.31
2-206S70	0.34
2-207S70	0.36
2-208S70	0.39
2-209S70	0.40
2-210S70	0.42
2-211S70	0.44
2-212S70	0.47
2-213S70	0.51
2-214S70	0.53
2-215S70	0.56
2-216S70	0.59
2-217S70	0.61
2-218S70	0.64
2-219S70	0.68
2-220S70	0.72
2-221S70	0.75
2-222S70	0.79
2-223S70	0.83
2-224S70	0.87
2-225S70	0.91
2-226S70	0.95
2-227S70	1.00
2-228S70	1.07
2-229S70	1.12
2-230S70	1.21
2-231S70	1.30
2-232S70	1.39
2-233S70	1.48
2-234S70	1.57
2-235S70	1.66
2-236S70	1.74
2-237S70	1.85
2-238S70	1.95
2-239S70	2.05
2-240S70	2.15
2-241S70	2.26

PART NUMBER	LIST PRICE
2-242S70	\$ 2.38
2-243S70	2.50
2-244S70	2.61
2-245S70	2.74
2-246S70	2.89
2-247S70	3.03
2-248S70	3.17
2-249S70	3.33
2-250S70	3.48
2-251S70	3.60
2-252S70	3.76
2-253S70	3.90
2-254S70	4.07
2-255S70	4.23
2-256S70	4.42
2-257S70	4.63
2-258S70	4.82
2-259S70	5.06
2-260S70	5.36
2-261S70	5.62
2-262S70	5.90
2-263S70	6.19
2-264S70	6.46
2-265S70	6.76
2-266S70	7.06
2-267S70	7.35
2-268S70	7.66
2-269S70	8.00
2-270S70	8.37
2-271S70	8.78
2-272S70	9.20
2-273S70	9.63
2-274S70	10.09
2-275S70	10.53
2-276S70	10.96
2-277S70	11.43
2-278S70	10.62
2-279S70	11.25
2-280S70	11.86
2-281S70	12.84
2-282S70	13.92
2-283S70	15.00
2-284S70	16.11
2-309S70	0.60

PART NUMBER	LIST PRICE
2-310S70	\$ 0.62
2-311S70	0.66
2-312S70	0.73
2-313S70	0.79
2-314S70	0.85
2-315S70	0.90
2-316S70	0.96
2-317S70	1.01
2-318S70	1.08
2-319S70	1.16
2-320S70	1.22
2-321S70	1.29
2-322S70	1.35
2-323S70	1.42
2-324S70	1.47
2-325S70	1.53
2-326S70	1.59
2-327S70	1.65
2-328S70	1.72
2-329S70	1.78
2-330S70	1.83
2-331S70	1.90
2-332S70	1.95
2-333S70	2.03
2-334S70	2.11
2-335S70	2.18
2-336S70	2.28
2-337S70	2.35
2-338S70	2.43
2-339S70	2.51
2-340S70	2.64
2-341S70	2.89
2-342S70	3.06
2-343S70	3.17
2-344S70	3.29
2-345S70	3.41
2-346S70	3.56
2-347S70	3.71
2-348S70	3.82
2-349S70	4.11
2-350S70	4.28
2-351S70	4.46
2-352S70	4.63
2-353S70	4.80

PART NUMBER	LIST PRICE
2-354S70	\$ 4.97
2-355S70	5.12
2-356S70	5.30
2-357S70	5.47
2-358S70	5.66
2-359S70	5.84
2-360S70	6.03
2-361S70	6.24
2-362S70	6.45
2-363S70	6.66
2-364S70	6.88
2-365S70	7.07
2-366S70	7.29
2-367S70	7.48
2-368S70	7.66
2-369S70	7.90
2-370S70	8.15
2-371S70	8.40
2-372S70	8.65
2-373S70	8.89
2-374S70	9.14
2-375S70	9.44
2-376S70	9.71
2-377S70	10.04
2-378S70	10.37
2-379S70	10.73
2-380S70	11.06
2-381S70	11.49
2-382S70	12.08
2-383S70	12.65
2-384S70	13.60
2-385S70	14.52
2-386S70	15.59
2-387S70	16.74
2-388S70	18.23
2-389S70	19.83
2-390S70	21.50
2-391S70	23.14
2-392S70	24.91
2-393S70	26.70
2-394S70	28.64
2-395S70	43.69
2-425S70	30.69
2-426S70	4.69



INCH



70A DURO SILICONE O-RINGS

O-RINGS

PART NUMBER	LIST PRICE
2-427S70	\$ 4.99
2-428S70	5.04
2-429S70	5.16
2-430S70	5.28
2-431S70	5.40
2-432S70	5.51
2-433S70	5.58
2-434S70	5.63
2-435S70	5.69
2-436S70	5.75
2-437S70	5.98
2-438S70	6.45
2-439S70	6.68

PART NUMBER	LIST PRICE
2-440S70	\$ 6.98
2-441S70	7.63
2-442S70	7.92
2-443S70	8.22
2-444S70	8.50
2-445S70	8.80
2-446S70	9.09
2-447S70	9.39
2-448S70	9.66
2-449S70	10.27
2-450S70	12.88
2-451S70	14.07
2-452S70	15.24

PART NUMBER	LIST PRICE
2-453S70	\$ 16.41
2-454S70	17.58
2-455S70	19.33
2-456S70	20.51
2-457S70	21.68
2-458S70	22.27
2-459S70	22.85
2-460S70	23.44
2-461S70	24.02
2-462S70	23.44
2-463S70	25.19
2-464S70	25.78
2-465S70	26.35

PART NUMBER	LIST PRICE
2-466S70	\$ 26.96
2-467S70	27.55
2-468S70	28.13
2-469S70	28.70
2-470S70	29.29
2-471S70	29.87
2-472S70	31.04
2-473S70	32.80
2-474S70	34.01
2-475S70	35.15

70A DURO SILICONE BOSS O-RINGS

[SEAL INFORMATION]

S70



MATERIAL	70A RED SILICONE
TEMPERATURE RANGE	-70° TO +400° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (Silicone)

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-901S70	3/32	.185 ±.005	.056 ±.003	\$ 0.22
3-902S70	1/8	.239 ±.005	.064 ±.003	0.22
3-903S70	3/16	.301 ±.005	.064 ±.003	0.25
3-904S70	1/4	.351 ±.005	.072 ±.003	0.25
3-905S70	5/16	.414 ±.005	.072 ±.003	0.25
3-906S70	3/8	.468 ±.005	.078 ±.003	0.26
3-907S70	7/16	.530 ±.005	.082 ±.003	0.29
3-908S70	1/2	.644 ±.009	.087 ±.003	0.31
3-909S70	9/16	.706 ±.009	.097 ±.003	0.34
3-910S70	5/8	.755 ±.009	.097 ±.003	0.36

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-911S70	11/16	.863 ±.009	.116 ±.004	\$ 0.39
3-912S70	3/4	.924 ±.009	.116 ±.004	0.42
3-913S70	13/16	.986 ±.010	.116 ±.004	0.44
3-914S70	7/8	1.047 ±.010	.116 ±.004	0.47
3-916S70	1	1.171 ±.010	.116 ±.004	0.49
3-918S70	1-1/8	1.355 ±.012	.116 ±.004	0.52
3-920S70	1-1/4	1.475 ±.012	.118 ±.004	0.59
3-924S70	1-1/2	1.720 ±.014	.118 ±.004	0.65
3-928S70	1-3/4	2.090 ±.018	.118 ±.004	0.73
3-932S70	2	2.337 ±.018	.118 ±.004	0.81



INCH

70 DURO HNBR O-RINGS

191

O-RINGS

[SEAL INFORMATION]

H70



MATERIAL	70A HYDROGENATED NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIABLE ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (HNBR)

O-Ring stock orders require \$2 line minimum (5 or more lines).

PART NUMBER	LIST PRICE
2-001H70	\$ 0.06
2-002H70	0.06
2-003H70	0.06
2-004H70	0.06
2-005H70	0.06
2-006H70	0.06
2-007H70	0.06
2-008H70	0.06
2-009H70	0.06
2-010H70	0.06
2-011H70	0.08
2-012H70	0.08
2-013H70	0.10
2-014H70	0.10
2-015H70	0.11
2-016H70	0.13
2-017H70	0.14
2-018H70	0.16
2-019H70	0.16
2-020H70	0.18
2-021H70	0.23
2-022H70	0.24
2-023H70	0.25
2-024H70	0.27
2-025H70	0.28
2-026H70	0.29
2-027H70	0.31
2-028H70	0.33
2-029H70	0.35

PART NUMBER	LIST PRICE
2-030H70	\$ 0.39
2-031H70	0.44
2-032H70	0.48
2-033H70	0.55
2-034H70	0.59
2-035H70	0.62
2-036H70	0.69
2-037H70	0.71
2-038H70	0.75
2-039H70	0.86
2-040H70	0.91
2-041H70	1.10
2-042H70	1.20
2-043H70	1.20
2-044H70	1.20
2-045H70	1.30
2-046H70	1.30
2-047H70	1.30
2-048H70	1.60
2-049H70	1.90
2-050H70	1.90
2-102H70	0.08
2-103H70	0.08
2-104H70	0.09
2-105H70	0.10
2-106H70	0.10
2-107H70	0.11
2-108H70	0.11
2-109H70	0.14

PART NUMBER	LIST PRICE
2-110H70	\$ 0.15
2-111H70	0.16
2-112H70	0.19
2-113H70	0.20
2-114H70	0.22
2-115H70	0.25
2-116H70	0.26
2-117H70	0.28
2-118H70	0.32
2-119H70	0.34
2-120H70	0.35
2-121H70	0.36
2-122H70	0.40
2-123H70	0.41
2-124H70	0.45
2-125H70	0.46
2-126H70	0.49
2-127H70	0.54
2-128H70	0.56
2-129H70	0.58
2-130H70	0.60
2-131H70	0.63
2-132H70	0.63
2-133H70	0.61
2-134H70	0.70
2-135H70	0.76
2-136H70	0.78
2-137H70	0.80
2-138H70	0.86

PART NUMBER	LIST PRICE
2-139H70	\$ 0.91
2-140H70	0.91
2-141H70	0.95
2-142H70	0.96
2-143H70	0.97
2-144H70	1.10
2-145H70	1.10
2-146H70	1.10
2-147H70	1.10
2-148H70	1.10
2-149H70	1.20
2-150H70	1.20
2-151H70	1.30
2-152H70	1.50
2-153H70	1.50
2-154H70	1.60
2-155H70	1.70
2-156H70	1.70
2-157H70	2.10
2-158H70	2.20
2-159H70	2.40
2-160H70	2.40
2-161H70	2.40
2-162H70	2.50
2-163H70	2.60
2-164H70	2.60
2-165H70	3.00
2-166H70	3.10
2-167H70	4.00



INCH



O-RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-168H70	\$ 4.10	2-234H70	\$ 1.74	2-278H70	\$ 9.28	2-346H70	\$ 5.00
2-169H70	4.20	2-235H70	1.93	2-279H70	9.98	2-347H70	5.10
2-170H70	4.20	2-236H70	1.98	2-280H70	11.10	2-348H70	5.10
2-171H70	4.30	2-237H70	2.10	2-281H70	12.20	2-349H70	5.10
2-172H70	4.30	2-238H70	2.19	2-282H70	13.00	2-350H70	5.34
2-173H70	4.30	2-239H70	2.22	2-283H70	13.20	2-351H70	5.45
2-174H70	4.40	2-240H70	2.30	2-284H70	14.00	2-352H70	5.74
2-175H70	4.60	2-241H70	2.30	2-309H70	0.06	2-353H70	5.79
2-176H70	4.80	2-242H70	2.30	2-310H70	0.07	2-354H70	5.84
2-177H70	5.00	2-243H70	2.40	2-311H70	0.07	2-355H70	5.90
2-178H70	5.20	2-244H70	2.50	2-312H70	0.08	2-356H70	5.92
2-201H70	0.17	2-245H70	2.90	2-313H70	0.09	2-357H70	6.10
2-202H70	0.19	2-246H70	2.90	2-314H70	0.09	2-358H70	6.10
2-203H70	0.21	2-247H70	2.96	2-315H70	0.99	2-359H70	6.31
2-204H70	0.24	2-248H70	3.00	2-316H70	1.03	2-360H70	6.63
2-205H70	0.28	2-249H70	3.03	2-317H70	1.12	2-361H70	7.70
2-206H70	0.30	2-250H70	3.18	2-318H70	1.23	2-362H70	7.80
2-207H70	0.31	2-251H70	3.32	2-319H70	1.25	2-363H70	8.10
2-208H70	0.32	2-252H70	3.33	2-320H70	1.30	2-364H70	8.40
2-209H70	0.35	2-253H70	3.35	2-321H70	1.42	2-365H70	8.50
2-210H70	0.37	2-254H70	3.39	2-322H70	1.49	2-366H70	8.90
2-211H70	0.41	2-255H70	3.44	2-323H70	1.55	2-367H70	9.10
2-212H70	0.45	2-256H70	3.46	2-324H70	1.60	2-368H70	9.40
2-213H70	0.50	2-257H70	3.64	2-325H70	1.64	2-369H70	9.95
2-214H70	0.54	2-258H70	3.67	2-326H70	2.05	2-370H70	10.10
2-215H70	0.56	2-259H70	3.93	2-327H70	2.17	2-371H70	10.20
2-216H70	0.64	2-260H70	4.13	2-328H70	2.18	2-372H70	10.40
2-217H70	0.66	2-261H70	5.18	2-329H70	2.19	2-373H70	10.60
2-218H70	0.71	2-262H70	5.22	2-330H70	2.33	2-374H70	10.80
2-219H70	0.74	2-263H70	5.36	2-331H70	2.48	2-375H70	13.70
2-220H70	0.75	2-264H70	5.40	2-332H70	2.57	2-376H70	14.10
2-221H70	0.76	2-265H70	5.83	2-333H70	2.65	2-377H70	14.40
2-222H70	0.84	2-266H70	6.00	2-334H70	2.73	2-378H70	14.50
2-223H70	0.84	2-267H70	6.18	2-335H70	3.01	2-379H70	14.70
2-224H70	1.02	2-268H70	6.23	2-336H70	3.04	2-380H70	15.80
2-225H70	1.10	2-269H70	6.30	2-337H70	3.18	2-381H70	21.10
2-226H70	1.19	2-270H70	6.40	2-338H70	3.40	2-382H70	21.80
2-227H70	1.26	2-271H70	6.46	2-339H70	3.50	2-383H70	23.20
2-228H70	1.33	2-272H70	6.55	2-340H70	3.72	2-384H70	24.50
2-229H70	1.39	2-273H70	6.64	2-341H70	3.87	2-385H70	25.00
2-230H70	1.54	2-274H70	8.45	2-342H70	3.94	2-386H70	25.80
2-231H70	1.63	2-275H70	8.80	2-343H70	3.98	2-387H70	26.60
2-232H70	1.64	2-276H70	8.95	2-344H70	4.20	2-388H70	27.30
2-233H70	1.67	2-277H70	9.15	2-345H70	4.36	2-389H70	28.60



INCH

70 DURO HNBR O-RINGS

193

O-RINGS

PART NUMBER	LIST PRICE
2-390H70	\$ 31.00
2-391H70	32.10
2-392H70	33.00
2-393H70	34.50
2-394H70	36.00
2-395H70	36.20
2-401H70	2.80
2-402H70	2.90
2-403H70	3.30
2-404H70	3.51
2-405H70	3.70
2-406H70	3.88
2-407H70	3.90
2-408H70	4.10
2-409H70	4.44
2-410H70	4.60
2-411H70	4.75
2-412H70	5.00
2-413H70	5.11
2-414H70	5.70
2-415H70	5.90

PART NUMBER	LIST PRICE
2-416H70	\$ 6.10
2-417H70	6.30
2-418H70	6.51
2-419H70	6.65
2-420H70	7.40
2-421H70	7.40
2-422H70	7.80
2-423H70	7.90
2-424H70	7.90
2-425H70	7.94
2-426H70	8.10
2-427H70	8.83
2-428H70	9.20
2-429H70	9.33
2-430H70	9.51
2-431H70	9.70
2-432H70	9.90
2-433H70	10.00
2-434H70	10.20
2-435H70	10.60
2-436H70	10.90

PART NUMBER	LIST PRICE
2-437H70	\$ 11.30
2-438H70	13.30
2-439H70	13.50
2-440H70	13.50
2-441H70	13.60
2-442H70	14.00
2-443H70	14.70
2-444H70	15.40
2-445H70	15.50
2-446H70	16.00
2-447H70	16.90
2-448H70	18.30
2-449H70	22.20
2-450H70	22.50
2-451H70	29.00
2-452H70	29.60
2-453H70	30.00
2-454H70	30.50
2-455H70	31.10
2-456H70	31.70
2-457H70	32.20

PART NUMBER	LIST PRICE
2-458H70	\$ 33.00
2-459H70	33.40
2-460H70	36.50
2-461H70	37.70
2-462H70	37.80
2-463H70	38.10
2-464H70	38.40
2-465H70	38.80
2-466H70	40.70
2-467H70	41.30
2-468H70	41.90
2-469H70	42.50
2-470H70	43.50
2-471H70	45.00
2-472H70	46.00
2-473H70	49.00
2-474H70	51.70
2-475H70	53.70



INCH



[SEAL INFORMATION]

H70



MATERIAL	70A HYDROGENATED NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (HNBR)

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-901H70	3/32	.185 ±.005	.056 ±.003	\$ 0.21
3-902H70	1/8	.239 ±.005	.064 ±.003	0.24
3-903H70	3/16	.301 ±.005	.064 ±.003	0.25
3-904H70	1/4	.351 ±.005	.072 ±.003	0.27
3-905H70	5/16	.414 ±.005	.072 ±.003	0.29
3-906H70	3/8	.468 ±.005	.078 ±.003	0.31
3-907H70	7/16	.530 ±.005	.082 ±.003	0.34
3-908H70	1/2	.644 ±.009	.087 ±.003	0.41
3-909H70	9/16	.706 ±.009	.097 ±.003	0.45
3-910H70	5/8	.755 ±.009	.097 ±.003	0.53

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W.	
3-911H70	11/16	.863 ±.009	.116 ±.004	\$ 0.58
3-912H70	3/4	.924 ±.009	.116 ±.004	0.84
3-913H70	13/16	.986 ±.010	.116 ±.004	0.97
3-914H70	7/8	1.047 ±.010	.116 ±.004	1.06
3-916H70	1	1.171 ±.010	.116 ±.004	1.16
3-918H70	1-1/8	1.355 ±.012	.116 ±.004	1.22
3-920H70	1-1/4	1.475 ±.012	.118 ±.004	1.40
3-924H70	1-1/2	1.720 ±.014	.118 ±.004	2.01
3-928H70	1-3/4	2.090 ±.018	.118 ±.004	2.39
3-932H70	2	2.337 ±.018	.118 ±.004	2.85

[SEAL INFORMATION]

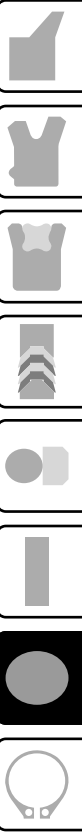
2-T



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	55-58 SHORE D PTFE
TEMPERATURE RANGE	-65° TO +500° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (PTFE)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-004T	\$ 2.14	2-036T	\$ 5.16	2-127T	\$ 2.45	2-163T	\$ 11.06	2-234T	\$ 6.40
2-005T	2.14	2-037T	5.55	2-128T	2.54	2-201T	3.03	2-235T	6.68
2-006T	1.34	2-038T	5.89	2-129T	2.65	2-202T	3.03	2-236T	6.87
2-007T	1.34	2-039T	6.28	2-130T	3.37	2-203T	3.03	2-237T	7.11
2-008T	1.09	2-040T	6.62	2-131T	2.96	2-204T	3.18	2-238T	7.32
2-009T	1.09	2-041T	7.04	2-132T	3.02	2-205T	3.21	2-239T	7.57
2-010T	1.12	2-042T	7.66	2-133T	3.08	2-206T	3.34	2-240T	7.94
2-011T	1.14	2-043T	8.21	2-134T	3.55	2-208T	2.59	2-241T	8.31
2-012T	1.16	2-044T	8.93	2-135T	3.73	2-210T	2.24	2-242T	8.55
2-013T	1.17	2-045T	9.40	2-136T	3.80	2-211T	2.48	2-243T	8.93
2-014T	1.20	2-049T	12.33	2-137T	3.91	2-212T	2.82	2-244T	9.36
2-015T	1.29	2-106T	1.90	2-138T	3.99	2-213T	2.37	2-245T	10.07
2-016T	1.58	2-107T	2.16	2-139T	4.17	2-214T	2.46	2-246T	11.89
2-017T	1.69	2-108T	1.74	2-140T	4.44	2-215T	2.55	2-247T	12.72
2-018T	1.82	2-109T	1.81	2-141T	4.62	2-216T	2.71	2-248T	13.48
2-019T	1.87	2-110T	1.81	2-142T	4.91	2-217T	2.84	2-249T	14.26
2-020T	1.93	2-111T	1.83	2-143T	4.88	2-218T	2.98	2-250T	15.01
2-021T	2.04	2-112T	1.83	2-144T	5.05	2-219T	3.36	2-251T	15.76
2-022T	2.11	2-113T	1.87	2-145T	5.33	2-220T	3.53	2-252T	16.35
2-023T	2.16	2-114T	1.88	2-146T	5.24	2-221T	3.80	2-253T	16.99
2-024T	2.32	2-115T	1.88	2-148T	5.42	2-222T	3.97	2-254T	17.54
2-025T	2.49	2-116T	1.92	2-150T	5.65	2-223T	4.29	2-255T	18.57
2-026T	2.60	2-117T	1.95	2-151T	5.96	2-224T	4.52	2-256T	19.73
2-027T	2.71	2-118T	2.13	2-152T	11.19	2-225T	4.87	2-257T	21.92
2-028T	2.84	2-119T	2.22	2-153T	6.76	2-226T	4.96	2-258T	23.46
2-029T	2.89	2-120T	2.30	2-154T	7.18	2-227T	5.12	2-259T	24.65
2-030T	3.22	2-121T	2.62	2-155T	7.57	2-228T	5.36	2-260T	25.84
2-031T	3.49	2-122T	2.91	2-156T	8.02	2-229T	5.51	2-261T	26.93
2-032T	3.78	2-123T	2.29	2-157T	8.39	2-230T	5.64	2-262T	28.02
2-033T	4.03	2-124T	2.31	2-158T	8.74	2-231T	5.93	2-263T	29.79
2-034T	4.46	2-125T	2.37	2-159T	9.05	2-232T	6.05	2-264T	31.40
2-035T	4.77	2-126T	2.46	2-162T	10.49	2-233T	6.19	2-265T	33.15



INCH

55 - 58 SHORE D PTFE O-RINGS

O-RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
2-266T	\$ 34.82	2-282T	\$ 88.46	2-340T	\$ 13.33	2-430T	\$ 35.43	2-446T	\$ 65.73
2-267T	36.33	2-325T	6.74	2-341T	14.29	2-431T	37.71	2-447T	67.48
2-268T	37.87	2-326T	7.08	2-342T	14.84	2-432T	39.30	2-448T	70.27
2-269T	39.06	2-327T	7.53	2-343T	15.42	2-433T	41.84	2-449T	72.42
2-270T	40.28	2-328T	7.79	2-344T	15.68	2-434T	43.22	2-450T	75.74
2-271T	41.65	2-329T	8.01	2-345T	16.03	2-435T	45.09	2-451T	77.67
2-272T	42.89	2-330T	8.36	2-346T	16.57	2-436T	46.87	2-452T	79.82
2-273T	44.00	2-331T	8.82	2-347T	17.32	2-437T	48.93	2-453T	81.06
2-274T	45.17	2-332T	9.29	2-348T	19.21	2-438T	50.15	2-454T	83.71
2-275T	47.33	2-333T	9.80	2-349T	20.39	2-439T	52.82	2-455T	86.00
2-276T	54.19	2-334T	10.43	2-350T	21.74	2-440T	54.69	2-456T	88.29
2-277T	57.08	2-335T	10.94	2-425T	24.37	2-441T	56.01	2-457T	91.11
2-278T	59.82	2-336T	11.48	2-426T	26.26	2-442T	58.38	2-458T	93.33
2-279T	72.66	2-337T	12.00	2-427T	28.16	2-443T	60.23	2-459T	95.58
2-280T	75.91	2-338T	12.41	2-428T	31.89	2-444T	61.94	2-460T	97.92
2-281T	80.74	2-339T	12.77	2-429T	33.19	2-445T	63.66		

55 - 58 SHORE D BOSS PTFE O-RINGS

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W	
3-901T	3/32	.185 ±.005	.056 ±.003	\$ 1.01
3-902T	1/8	.239 ±.005	.064 ±.003	1.01
3-903T	3/16	.301 ±.005	.064 ±.003	1.03
3-904T	1/4	.351 ±.005	.072 ±.003	1.03
3-905T	5/16	.414 ±.005	.072 ±.003	1.05
3-906T	3/8	.468 ±.005	.078 ±.003	1.08
3-907T	7/16	.530 ±.005	.082 ±.003	1.09
3-908T	1/2	.644 ±.009	.087 ±.003	1.10
3-909T	9/16	.706 ±.009	.097 ±.003	1.24
3-910T	5/8	.755 ±.009	.097 ±.003	1.27
3-911T	11/16	.863 ±.009	.116 ±.004	1.35
3-912T	3/4	.924 ±.009	.116 ±.004	1.36
3-913T	13/16	.986 ±.010	.116 ±.004	1.69
3-914T	7/8	1.047 ±.010	.116 ±.004	1.92
3-916T	1	1.171 ±.010	.116 ±.004	1.77

[SEAL INFORMATION]

MATERIAL 55-58 SHORE D PTFE

TEMPERATURE RANGE -65° TO +500° F

PART NUMBER (Prefix) - (Dash #) - (T)

AS-568A UNIVERSAL SERIES DASH NO.	TUBE SIZE (O.D.) INCHES	ACTUAL SIZE		LIST PRICE
		I.D.	W	
3-918T	1-1/8	1.355 ±.012	.116 ±.004	\$ 2.46
3-920T	1-1/4	1.475 ±.012	.118 ±.004	2.71
3-924T	1-1/2	1.720 ±.014	.118 ±.004	3.29
3-928T	1-3/4	2.090 ±.018	.118 ±.004	3.73
3-932T	2	2.337 ±.018	.118 ±.004	3.94



INCH

90 DURO URETHANE O-RINGS

197

O-RINGS

[SEAL INFORMATION]

U90



O-Ring stock orders require \$2 line minimum (5 or more lines).

MATERIAL	90A URETHANE
TEMPERATURE RANGE	-65° TO +250° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) - (90A Urethane)

PART NUMBER	LIST PRICE
2-006U90	\$ 1.86
2-008U90	2.33
2-009U90	2.36
2-010U90	2.35
2-011U90	2.42
2-012U90	2.45
2-013U90	2.46
2-014U90	2.46
2-015U90	2.47
2-016U90	2.47
2-017U90	2.55
2-018U90	2.60
2-020U90	2.63
2-022U90	3.50
2-023U90	3.50
2-024U90	4.95
2-027U90	4.95
2-031U90	4.95
2-110U90	3.08
2-111U90	3.08
2-112U90	3.08
2-113U90	4.27

PART NUMBER	LIST PRICE
2-114U90	\$ 3.82
2-115U90	3.82
2-116U90	4.67
2-117U90	4.97
2-118U90	5.59
2-119U90	5.59
2-120U90	5.96
2-121U90	5.96
2-122U90	5.96
2-123U90	6.52
2-124U90	6.52
2-128U90	8.64
2-129U90	8.64
2-131U90	8.64
2-133U90	8.64
2-134U90	8.64
2-140U90	6.47
2-145U90	6.99
2-148U90	9.27
2-206U90	3.11
2-210U90	3.98
2-211U90	3.98

PART NUMBER	LIST PRICE
2-213U90	\$ 4.04
2-214-U90	3.63
2-216U90	4.28
2-218U90	4.28
2-219U90	5.13
2-220U90	7.45
2-221U90	5.44
2-222U90	5.44
2-223U90	7.92
2-224U90	7.92
2-225U90	8.48
2-226U90	8.48
2-227U90	8.48
2-228U90	8.48
2-230U90	8.69
2-232U90	9.17
2-233U90	9.17
2-234U90	9.17
2-235U90	11.21
2-236U90	11.45
2-238U90	14.23
2-239U90	12.84

PART NUMBER	LIST PRICE
2-240U90	\$ 14.23
2-242U90	17.00
2-244U90	25.81
2-247U90	27.66
2-248U90	27.66
2-252U90	37.87
2-256U90	40.14
2-260U90	48.16
2-267U90	68.79
2-326U90	8.88
2-327U90	5.18
2-328U90	6.69
2-329U90	6.47
2-330U90	7.82
2-331U90	8.95
2-332U90	8.95
2-335U90	14.66
2-336U90	17.09
2-337U90	17.40
2-341U90	21.38

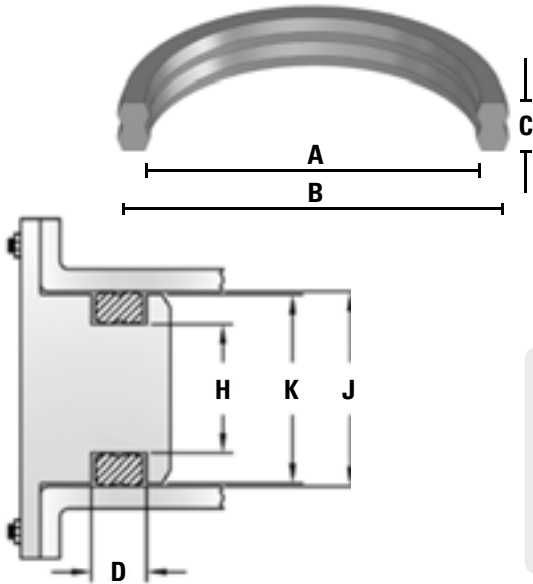


70A URETHANE O-RINGS AVAILABLE ON REQUEST

INCH

[SEAL INFORMATION]

HS-U90



MATERIAL	90A URETHANE
TEMPERATURE RANGE	-40° TO +200° F
PRESSURE RANGE	0 TO 10,000 PSI
SPEED	STATIC
PART NUMBER	(Prefix) - (Dash#) - (U90)

The head seal is durable, static seal which replaces the o-ring and its backup at the top of the cylinder. Its symmetrical one-piece design addresses two specific failures common in cylinder heads with high eccentricities or large extrusion gaps: o-ring backup 'blowout' and pinched backups. These advantages derive from its unitary design which reduces potential for damage during installation and is easier to install.

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	H GROOVE DIA.	K HEAD DIA.	J BORE DIA.	LIST PRICE
1/16" C/S								
HS-022U90	1	1-1/8	1/8	.138 +.005 +.000	1.153 +.000 -.002	1.122 +.000 -.001	1.125 +.002 +.000	\$ 2.25
1/8" C/S								
HS-228U90	2-1/4	2-1/2	3/16	.208 +.005 +.000	2.278 +.000 -.002	2.497 +.000 -.001	2.500 +.002 +.000	\$ 10.06
HS-230U90	2-1/2	2-3/4	3/16	.208 +.005 +.000	2.528 +.000 -.002	2.747 +.000 -.001	2.750 +.002 +.000	10.06
HS-232U90	2-3/4	3	3/16	.208 +.005 +.000	2.778 +.000 -.002	2.997 +.000 -.001	3.000 +.002 +.000	11.48
HS-234U90	3	3-1/4	3/16	.208 +.005 +.000	3.028 +.000 -.002	3.247 +.000 -.001	3.250 +.002 +.000	11.48
HS-235U90	3-1/8	3-3/8	3/16	.208 +.005 +.000	3.153 +.000 -.002	3.372 +.000 -.001	3.375 +.002 +.000	11.48
HS-236U90	3-1/4	3-1/2	3/16	.208 +.005 +.000	3.278 +.000 -.002	3.497 +.000 -.001	3.500 +.002 +.000	11.48
HS-238U90	3-1/2	3-3/4	3/16	.208 +.005 +.000	3.528 +.000 -.002	3.747 +.000 -.001	3.750 +.002 +.000	11.73
HS-240U90	3-3/4	4	3/16	.208 +.005 +.000	3.778 +.000 -.002	3.997 +.000 -.001	4.000 +.002 +.000	14.63
HS-242U90	4	4-1/4	3/16	.208 +.005 +.000	4.028 +.000 -.002	4.247 +.000 -.001	4.250 +.002 +.000	14.63
HS-244U90	4-1/4	4-1/2	3/16	.208 +.005 +.000	4.278 +.000 -.002	4.497 +.000 -.001	4.500 +.002 +.000	14.63
HS-246U90	4-1/2	4-3/4	3/16	.208 +.005 +.000	4.528 +.000 -.002	4.747 +.000 -.001	4.750 +.002 +.000	16.25
HS-248U90	4-3/4	5	3/16	.208 +.005 +.000	4.778 +.000 -.002	4.997 +.000 -.001	5.000 +.002 +.000	16.25
HS-250U90	5	5-1/4	3/16	.208 +.005 +.000	5.028 +.000 -.004	5.247 +.000 -.001	5.250 +.002 +.000	16.25



HS-U90 HEAD SEALS

199

HEAD SEALS

PART NUMBER	A NOM. I.D.	B NOM. O.D.	C NOM. H.T.	D GROOVE WIDTH	H GROOVE DIA.	K HEAD DIA.	J BORE DIA.	LIST PRICE				
1/8" C/S												
HS-251U90	5-1/8	5-3/8	3/16	.208	+0.005 +0.000	5.153	+0.000 -0.004	5.372	+0.000 -0.001	5.375	+0.002 +0.000	\$ 16.25
HS-252U90	5-1/4	5-1/2	3/16	.208	+0.005 +0.000	5.278	+0.000 -0.004	5.497	+0.000 -0.001	5.500	+0.002 +0.000	16.25
HS-254U90	5-1/2	5-3/4	3/16	.208	+0.005 +0.000	5.528	+0.000 -0.004	5.747	+0.000 -0.001	5.750	+0.002 +0.000	24.02
HS-256U90	5-3/4	6	3/16	.208	+0.005 +0.000	5.778	+0.000 -0.004	5.997	+0.000 -0.001	6.000	+0.002 +0.000	24.02
3/16" C/S												
HS-338U90	3-1/8	3-1/2	9/32	.311	+0.005 +0.000	3.160	+0.000 -0.004	3.497	+0.000 -0.001	3.500	+0.002 +0.000	\$ 14.89
HS-342U90	3-5/8	4	9/32	.311	+0.005 +0.000	3.660	+0.000 -0.004	3.997	+0.000 -0.001	4.000	+0.002 +0.000	15.80
HS-344U90	3-7/8	4-1/4	9/32	.311	+0.005 +0.000	3.910	+0.000 -0.004	4.247	+0.000 -0.001	4.250	+0.002 +0.000	15.80
HS-346U90	4-1/8	4-1/2	9/32	.311	+0.005 +0.000	4.160	+0.000 -0.004	4.497	+0.000 -0.001	4.500	+0.002 +0.000	15.80
HS-348U90	4-3/8	4-3/4	9/32	.311	+0.005 +0.000	4.410	+0.000 -0.004	4.747	+0.000 -0.001	4.750	+0.002 +0.000	16.25
HS-350U90	4-5/8	5	9/32	.311	+0.005 +0.000	4.660	+0.000 -0.004	4.997	+0.000 -0.001	5.000	+0.002 +0.000	16.25
HS-352U90	4-7/8	5-1/4	9/32	.311	+0.005 +0.000	4.910	+0.000 -0.004	5.247	+0.000 -0.001	5.250	+0.002 +0.000	16.25
HS-353U90	5	5-3/8	9/32	.311	+0.005 +0.000	5.035	+0.000 -0.004	5.372	+0.000 -0.001	5.375	+0.002 +0.000	16.25
HS-354U90	5-1/8	5-1/2	9/32	.311	+0.005 +0.000	5.160	+0.000 -0.004	5.497	+0.000 -0.001	5.500	+0.002 +0.000	16.25
HS-356U90	5-3/8	5-3/4	9/32	.311	+0.005 +0.000	5.410	+0.000 -0.004	5.747	+0.000 -0.001	5.750	+0.002 +0.000	24.02
HS-358U90	5-5/8	6	9/32	.311	+0.005 +0.000	5.660	+0.000 -0.004	5.997	+0.000 -0.001	6.000	+0.002 +0.000	24.02
HS-360U90	5-7/8	6-1/4	9/32	.311	+0.005 +0.000	5.910	+0.000 -0.004	6.247	+0.000 -0.001	6.250	+0.002 +0.000	24.02



INCH

[SEAL INFORMATION]

Q-N70



MATERIAL	70A NITRILE
TEMPERATURE RANGE	-40° TO +240° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (O-Ring Dash #)

"Quad" rings have a square profile with rounded lobes on the corners that provides twice the sealing surface of ordinary O-rings or square rings. Sized by standard O-ring dash numbers, these seals can be used in a variety of static and dynamic sealing applications. **Note: Fluorocarbon Quad Rings available upon request.**

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
Q-004N70	\$ 0.45	Q-035N70	\$ 1.21	Q-118N70	\$ 0.70	Q-149N70	\$ 2.89
Q-005N70	0.45	Q-036N70	1.26	Q-119N70	0.74	Q-150N70	2.99
Q-006N70	0.45	Q-037N70	1.41	Q-120N70	0.78	Q-151N70	3.09
Q-007N70	0.45	Q-038N70	1.50	Q-121N70	0.81	Q-152N70	3.19
Q-008N70	0.50	Q-039N70	1.69	Q-122N70	0.85	Q-153N70	3.30
Q-009N70	0.50	Q-040N70	1.83	Q-123N70	0.89	Q-154N70	3.41
Q-010N70	0.50	Q-041N70	1.98	Q-124N70	0.93	Q-155N70	3.50
Q-011N70	0.50	Q-042N70	2.11	Q-125N70	0.96	Q-156N70	3.60
Q-012N70	0.53	Q-043N70	2.28	Q-126N70	1.00	Q-157N70	3.74
Q-013N70	0.53	Q-044N70	2.43	Q-127N70	1.04	Q-158N70	3.95
Q-014N70	0.55	Q-045N70	2.59	Q-128N70	1.08	Q-159N70	4.14
Q-015N70	0.55	Q-046N70	2.81	Q-129N70	1.13	Q-160N70	4.35
Q-016N70	0.58	Q-047N70	3.10	Q-130N70	1.18	Q-161N70	4.56
Q-017N70	0.58	Q-048N70	3.39	Q-131N70	1.25	Q-162N70	4.84
Q-018N70	0.59	Q-049N70	3.70	Q-132N70	1.33	Q-163N70	5.33
Q-019N70	0.59	Q-050N70	4.08	Q-133N70	1.40	Q-164N70	5.86
Q-020N70	0.60	Q-102N70	0.50	Q-134N70	1.48	Q-165N70	6.48
Q-021N70	0.60	Q-103N70	0.50	Q-135N70	1.54	Q-166N70	7.01
Q-022N70	0.65	Q-105N70	0.50	Q-136N70	1.60	Q-167N70	7.60
Q-023N70	0.70	Q-106N70	0.50	Q-137N70	1.69	Q-168N70	7.91
Q-024N70	0.75	Q-107N70	0.50	Q-138N70	1.78	Q-169N70	8.83
Q-025N70	0.78	Q-108N70	0.53	Q-139N70	1.86	Q-170N70	9.96
Q-026N70	0.79	Q-109N70	0.53	Q-140N70	1.94	Q-202N70	0.54
Q-027N70	0.79	Q-110N70	0.55	Q-141N70	2.01	Q-203N70	0.51
Q-028N70	0.81	Q-111N70	0.55	Q-142N70	2.09	Q-204N70	0.49
Q-029N70	0.86	Q-112N70	0.58	Q-143N70	2.18	Q-205N70	0.51
Q-030N70	0.93	Q-113N70	0.58	Q-144N70	2.25	Q-206N70	0.54
Q-031N70	0.98	Q-114N70	0.60	Q-145N70	2.35	Q-207N70	0.56
Q-032N70	1.01	Q-115N70	0.60	Q-146N70	2.53	Q-208N70	0.59
Q-033N70	1.09	Q-116N70	0.63	Q-147N70	2.66	Q-209N70	0.63
Q-034N70	1.15	Q-117N70	0.66	Q-148N70	2.78	Q-210N70	0.66

70A NITRILE QUAD® RINGS

201

O-RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
Q-211N70	\$ 0.70	Q-258N70	\$ 7.51	Q-335N70	\$ 2.73	Q-382N70	\$ 32.14
Q-212N70	0.76	Q-259N70	7.75	Q-336N70	2.83	Q-425N70	7.96
Q-213N70	0.81	Q-260N70	7.99	Q-337N70	2.93	Q-426N70	8.20
Q-214N70	0.86	Q-261N70	8.20	Q-338N70	3.03	Q-427N70	8.60
Q-215N70	0.93	Q-262N70	8.44	Q-339N70	3.14	Q-428N70	8.86
Q-216N70	0.98	Q-263N70	8.73	Q-340N70	3.25	Q-429N70	9.14
Q-217N70	1.03	Q-264N70	9.15	Q-341N70	3.36	Q-430N70	9.40
Q-218N70	1.09	Q-265N70	9.46	Q-342N70	3.53	Q-431N70	9.68
Q-219N70	1.14	Q-266N70	9.76	Q-343N70	3.74	Q-432N70	9.96
Q-220N70	1.19	Q-267N70	10.08	Q-344N70	3.98	Q-433N70	10.25
Q-221N70	1.24	Q-268N70	10.55	Q-345N70	4.26	Q-434N70	10.54
Q-222N70	1.31	Q-269N70	10.99	Q-346N70	4.56	Q-435N70	10.83
Q-223N70	1.39	Q-270N70	11.54	Q-347N70	4.91	Q-436N70	11.11
Q-224N70	1.46	Q-271N70	12.10	Q-348N70	5.36	Q-437N70	11.40
Q-225N70	1.55	Q-272N70	12.94	Q-349N70	5.71	Q-438N70	11.69
Q-226N70	1.65	Q-273N70	13.70	Q-350N70	6.08	Q-439N70	12.23
Q-227N70	1.75	Q-274N70	14.53	Q-351N70	6.54	Q-440N70	12.58
Q-228N70	1.83	Q-275N70	15.43	Q-352N70	7.00	Q-441N70	13.01
Q-229N70	1.91	Q-276N70	16.40	Q-353N70	7.48	Q-442N70	13.46
Q-230N70	2.01	Q-277N70	17.49	Q-354N70	8.05	Q-443N70	13.94
Q-231N70	2.15	Q-278N70	18.71	Q-355N70	8.65	Q-444N70	14.48
Q-232N70	2.31	Q-309N70	1.49	Q-356N70	9.36	Q-445N70	15.05
Q-233N70	2.48	Q-310N70	1.53	Q-357N70	10.09	Q-446N70	16.34
Q-234N70	2.65	Q-311N70	1.55	Q-358N70	10.76	Q-447N70	17.90
Q-235N70	2.80	Q-312N70	1.58	Q-359N70	11.46	Q-448N70	19.61
Q-236N70	2.96	Q-313N70	1.60	Q-360N70	12.06	Q-449N70	21.19
Q-237N70	3.11	Q-314N70	1.64	Q-361N70	12.70	Q-450N70	23.15
Q-238N70	3.29	Q-315N70	1.68	Q-362N70	13.41	Q-451N70	25.06
Q-239N70	3.45	Q-316N70	1.71	Q-363N70	14.18	Q-452N70	26.85
Q-240N70	3.63	Q-317N70	1.75	Q-364N70	14.94	Q-453N70	28.74
Q-241N70	3.81	Q-318N70	1.79	Q-365N70	15.73	Q-454N70	30.46
Q-242N70	3.98	Q-319N70	1.83	Q-366N70	16.49	Q-455N70	32.10
Q-243N70	4.15	Q-320N70	1.86	Q-367N70	17.28	Q-456N70	33.83
Q-244N70	4.36	Q-321N70	1.91	Q-368N70	18.14	Q-457N70	35.55
Q-245N70	4.59	Q-322N70	1.96	Q-369N70	19.08	Q-458N70	36.99
Q-246N70	4.80	Q-323N70	2.01	Q-370N70	20.04	Q-459N70	38.51
Q-247N70	5.01	Q-324N70	2.05	Q-371N70	21.05	Q-460N70	38.95
Q-248N70	5.20	Q-325N70	2.10	Q-372N70	22.00	Q-461N70	40.53
Q-249N70	5.44	Q-326N70	2.15	Q-373N70	22.95	Q-462N70	42.21
Q-250N70	5.66	Q-327N70	2.20	Q-374N70	23.84	Q-463N70	43.85
Q-251N70	5.90	Q-328N70	2.25	Q-375N70	24.85	Q-464N70	45.66
Q-252N70	6.11	Q-329N70	2.31	Q-376N70	25.86	Q-465N70	47.39
Q-253N70	6.35	Q-330N70	2.36	Q-377N70	26.88	Q-466N70	49.04
Q-254N70	6.59	Q-331N70	2.43	Q-378N70	27.94	Q-467N70	50.83
Q-255N70	6.81	Q-332N70	2.51	Q-379N70	29.03	Q-468N70	52.48
Q-256N70	7.05	Q-333N70	2.59	Q-380N70	30.01	Q-469N70	54.46
Q-257N70	7.28	Q-334N70	2.66	Q-381N70	31.08	Q-470N70	56.30



INCH

[SEAL INFORMATION]

SR



C/S COMPARISON

NOMINAL	O-RING	SR RING
1/16"	0.070"	0.066"
3/32"	0.103"	0.099"
1/8"	0.139"	0.134"
3/16"	0.210"	0.203"
1/4"	0.275"	0.265"

MATERIAL

70A NITRILE

TEMPERATURE RANGE

-40° TO +240° F

PRESSURE RANGE

VARIES ACCORDING TO
DIAMETRICAL CLEARANCE

PART NUMBER

(Prefix) - (O-Ring Dash #)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
SR-006	\$ 0.40	SR-043	\$ 0.56	SR-136	\$ 0.54	SR-206	\$ 0.52
SR-007	0.40	SR-044	0.59	SR-137	0.55	SR-207	0.53
SR-008	0.40	SR-045	0.62	SR-138	0.56	SR-208	0.54
SR-009	0.40	SR-046	0.66	SR-139	0.57	SR-209	0.54
SR-010	0.40	SR-047	0.68	SR-140	0.57	SR-211	0.56
SR-011	0.40	SR-048	0.76	SR-141	0.61	SR-212	0.57
SR-012	0.40	SR-049	0.73	SR-142	0.61	SR-213	0.58
SR-014	0.31	SR-050	0.77	SR-143	0.63	SR-214	0.58
SR-015	0.31	SR-109	0.46	SR-144	0.64	SR-215	0.59
SR-016	0.31	SR-110	0.42	SR-145	0.64	SR-216	0.61
SR-017	0.31	SR-111	0.42	SR-146	0.66	SR-217	0.62
SR-018	0.31	SR-112	0.42	SR-147	0.67	SR-218	0.62
SR-019	0.32	SR-113	0.43	SR-148	0.67	SR-219	0.63
SR-021	0.32	SR-114	0.48	SR-149	0.68	SR-220	0.64
SR-022	0.33	SR-115	0.43	SR-150	0.69	SR-221	0.65
SR-023	0.33	SR-116	0.44	SR-151	0.69	SR-222	0.66
SR-024	0.33	SR-117	0.44	SR-152	0.72	SR-223	0.67
SR-025	0.37	SR-118	0.44	SR-153	0.76	SR-224	0.69
SR-026	0.37	SR-119	0.45	SR-154	0.78	SR-225	0.70
SR-027	0.40	SR-120	0.46	SR-155	0.81	SR-226	0.73
SR-028	0.40	SR-121	0.46	SR-156	0.85	SR-227	0.77
SR-029	0.40	SR-122	0.47	SR-157	1.00	SR-228	0.81
SR-030	0.41	SR-123	0.48	SR-158	1.00	SR-229	0.86
SR-031	0.41	SR-124	0.48	SR-159	1.02	SR-230	0.88
SR-032	0.43	SR-125	0.48	SR-160	1.06	SR-231	0.90
SR-033	0.43	SR-126	0.50	SR-161	1.34	SR-232	0.92
SR-034	0.43	SR-127	0.50	SR-162	1.36	SR-233	0.95
SR-035	0.43	SR-128	0.50	SR-163	1.49	SR-234	0.97
SR-036	0.47	SR-129	0.50	SR-164	1.53	SR-235	0.99
SR-037	0.47	SR-130	0.51	SR-165	1.58	SR-236	1.01
SR-038	0.50	SR-131	0.51	SR-166	1.66	SR-237	1.03
SR-039	0.52	SR-132	0.52	SR-167	1.78	SR-238	1.06
SR-040	0.53	SR-133	0.52	SR-168	1.98	SR-239	1.08
SR-041	0.53	SR-134	0.53	SR-169	2.17	SR-240	1.12
SR-042	0.55	SR-135	0.53	SR-170	2.45	SR-241	1.14

70A NITRILE SQUARE RINGS

203

O-RINGS

PART NUMBER	LIST PRICE
SR-242	\$ 1.17
SR-243	1.19
SR-244	1.23
SR-245	1.28
SR-246	1.41
SR-247	1.68
SR-248	1.77
SR-249	1.82
SR-250	1.85
SR-251	1.87
SR-252	1.89
SR-253	1.91
SR-254	1.94
SR-255	2.00
SR-256	2.08
SR-257	2.19
SR-258	2.31
SR-259	2.42
SR-260	2.48
SR-261	2.54
SR-262	2.60
SR-263	2.62
SR-264	2.66
SR-265	2.77
SR-266	2.85
SR-267	2.93
SR-268	3.00
SR-269	6.38

PART NUMBER	LIST PRICE
SR-270	\$ 3.38
SR-271	3.94
SR-272	6.77
SR-273	4.47
SR-274	7.94
SR-275	8.37
SR-276	22.30
SR-277	8.93
SR-278	17.79
SR-279	26.76
SR-280	19.01
SR-318	0.72
SR-322	0.72
SR-324	0.80
SR-325	0.80
SR-326	0.80
SR-327	0.92
SR-328	0.92
SR-329	0.92
SR-330	0.97
SR-331	0.97
SR-332	0.97
SR-333	0.97
SR-334	1.07
SR-335	1.07
SR-336	1.07
SR-337	1.11
SR-338	1.11

PART NUMBER	LIST PRICE
SR-339	\$ 1.14
SR-340	1.14
SR-341	1.17
SR-342	1.17
SR-343	1.22
SR-344	1.25
SR-345	1.25
SR-346	1.28
SR-347	1.33
SR-348	1.38
SR-349	1.40
SR-350	1.45
SR-351	2.36
SR-352	1.57
SR-353	1.66
SR-354	1.74
SR-355	1.84
SR-356	1.89
SR-357	1.96
SR-358	2.01
SR-359	2.10
SR-360	2.30
SR-361	2.60
SR-362	2.77
SR-363	2.97
SR-364	3.33
SR-366	3.58
SR-425	2.04

PART NUMBER	LIST PRICE
SR-426	\$ 2.08
SR-427	2.13
SR-428	2.19
SR-429	2.27
SR-430	2.33
SR-431	2.40
SR-432	2.46
SR-433	2.53
SR-434	2.61
SR-435	2.68
SR-436	2.76
SR-437	2.84
SR-438	2.90
SR-439	3.07
SR-440	3.28
SR-441	3.49
SR-442	3.58
SR-443	3.67
SR-444	3.75
SR-445	3.91
SR-446	4.06
SR-447	4.35
SR-448	5.29
SR-449	12.23
SR-450	21.11
SR-451	25.75

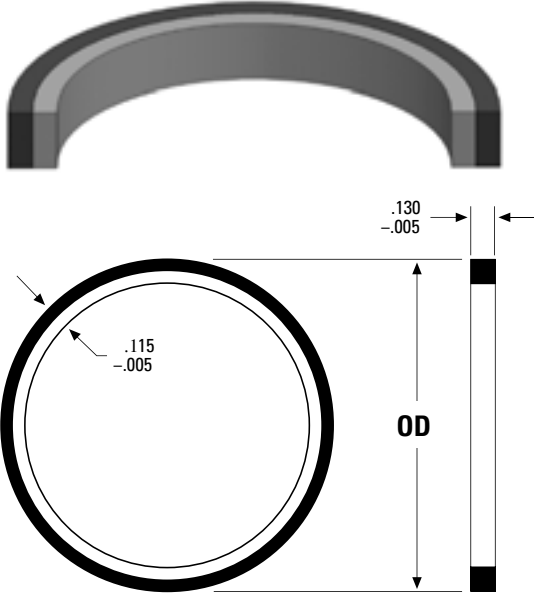


INCH



[SEAL INFORMATION]

SFS



MATERIAL URETHANE

TEMPERATURE RANGE -65° TO +220° F

PRESSURE RANGE 0 TO 6,000 PSI

PART NUMBER (Prefix) (Dash #)

FOR 4-BOLT SPLIT FLANGE CONNECTORS

Flange seals are a one piece dual durometer urethane static seal. The black outer part is tough, extrusion resistant 95 Durometer; the yellow inner layer, a 57 Durometer, has 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.

PART NUMBER	FLANGE SIZE	REPLACES O-RING NO.	OUTSIDE DIAMETER	LIST PRICE
SFS-08	1/2	-210	1.005	\$ 2.29
SFS-12	3/4	-214	1.255	2.60
SFS-16	1	-219	1.565	2.81
SFS-20	1-1/4	-222	1.755	2.99
SFS-24	1-1/2	-225	2.125	3.66
SFS-32	2	-228	2.500	4.53
SFS-40	2-1/2	-232	3.005	5.78
SFS-48	3	-237	3.625	2.18
SFS-56	3-1/2	-241	4.115	13.09

O-RING KITS

205

O-RINGS

O-RING KIT

Part Number: 568 Kit - A
List Price: \$ 31.21

Providing an extremely low cost per size value, this kit contains a total of 382 O-Rings in 30 different sizes.



PART NUMBER	QTY	PART NUMBER	QTY
006-012	20	210-222	10
110-116	13	325-327	7

O-RING METRIC KIT

Part Number: Metric O Kit - J-A
List Price: \$ 45.87

The Metric O-Kit J-A contains a total of 389 O-rings in 30 different sizes, another extremely low cost per size value.

I.D X C.S. (mm)	QTY	I.D X C.S. (mm)	QTY
3 X 2.0	16	20 X 3.0	12
4 X 2.0	16	22 X 3.0	12
5 X 2.0	16	24 X 3.0	12
6 X 2.0	16	25 X 3.0	12
7 X 2.0	16	27 X 3.0	12
8 X 2.0	16	28 X 3.0	12
10 X 2.0	16	30 X 3.0	12
10 X 2.5	16	32 X 3.0	12
11 X 2.5	13	33 X 3.0	12
12 X 2.5	13	35 X 3.0	12
14 X 2.5	13	36 X 3.0	12
16 X 2.5	13	38 X 3.0	12
17 X 2.5	13	38 X 4.0	9
19 X 2.5	13	41 X 4.0	9
19 X 3.0	12	44 X 4.0	9

U.S. INDUSTRIAL O-RING KIT

Part Number: 568 Kit
List Price: \$ 37.85

This kit contains a total of 436 70 Durometer O-Rings in 36 different sizes, providing an extremely low cost per size value.

PART NUMBER	QTY	PART NUMBER	QTY
005-011	25	111-116	10
012	15	117-121	7
013-018	10	210-211	10
110	15	212-219	7



INCH



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.



O-RING WAREHOUSE KIT

Part Number: 568 WH Kit
List Price: \$ 433.32

PART NUMBER	QTY
001-016	20
017-024	10
025-031	7
032-043	5
044-046	2
110-116	15
117-124	10
125-142	5
143-146	3
147-151	2
210-216	10

PART NUMBER	QTY
217-229	5
230-232	3
233-237	2
325-328	5
329-330	4
331-338	2
901-914	5
916, 918	5
920, 924	5
928, 932	5

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.

QUAD WAREHOUSE KIT

Part Number: Quad-Ring WH Kit
List Price: \$ 451.63

PART NUMBER	QTY
QR-004-012	10
QR-013-030	5
QR-031-038	3
QR-039-048	2
QR-108-116	10
QR-117-124	5

PART NUMBER	QTY
QR-125-135	3
QR-136-154	2
QR-204-216	5
QR-217-229	3
QR-230-338	2



90A O-RING KIT

Part Number: 568 90D Kit
List Price: \$ 53.91

This kit contains a total of 436 90 Durometer O-Rings in 36 different sizes, providing an extremely low cost per size value.



PART NUMBER	QTY
005-011-90D	25
012-90D	15
013-018-90D	10
110-90D	15

PART NUMBER	QTY
111-116-90D	10
117-121-90D	7
210-211-90D	10
212-219-90D	7



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 ensure quick repair of all machine types. 1,110 O-rings in 150 different sizes are included in this kit.

90A O-RING WAREHOUSE KIT

Part Number: 568 WH Kit-90D
List Price: \$ 406.17

PART NUMBER	QTY
001-016-90D	20
017-024-90D	10
025-031-90D	7
032-043-90D	5
044-046-90D	2
110-116-90D	15
117-124-90D	10
125-142-90D	5
143-146-90D	3
147-151-90D	2
210-216-90D	10

PART NUMBER	QTY
217-229-90D	5
230-232-90D	3
233-237-90D	2
325-328-90D	5
329-330-90D	4
331-338-90D	2
901-914-90D	5
916, 918-90D	5
920, 924-90D	5
928, 932-90D	5

900 BOSS O-RING KIT

Part Number: BS90K
List Price: \$ 40.03

PART NUMBER	QTY
904	35
905	30
906	30
907	20

PART NUMBER	QTY
908	20
909	20
910	15
911	15

PART NUMBER	QTY
912	15
913	15
914	15
915	15



This 250 piece, 12 size assortment contains the popular Boss O-rings in 90 durometer black nitrile. Individually boxed and separated for convenience, this kit is ideal for use in hydraulic shops, for mobile maintenance, and on the parts counter in a wide range of services.



90 DUROMETER O-RING KIT

Part Number: MAX1381 Kit**List Price:** \$ 340.42**Part Number:** MAX1381 Kit - 90D**List Price:** \$ 400.60

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]

FLANGE NUMBER	QTY
8	10
12	10
16	10

FLANGE NUMBER	QTY
20	5
24	5
32	5

[Boss O-Rings]

BOSS NUMBER	QTY
903	15
904	25
905	15
906	25

BOSS NUMBER	QTY
907	25
910	25
912	15
916	10

[1/16" C/S O-Rings]

O-RING NUMBER	QTY
006- 118	25
019- 021	20
022- 026	15

O-RING NUMBER	QTY
028	15
029	10
030	10



[3/32" C/S O-Rings]

O-RING NUMBER	QTY
109- 118	25
119- 120	20
121- 127	15
128	10

O-RING NUMBER	QTY
129	10
131	10
133	10
135	5

[1/8" C/S O-Rings]

O-RING NUMBER	QTY
210- 214	20
215- 222	15
223- 224	10
226	10

O-RING NUMBER	QTY
228	10
232	10
236	10

FLUOROCARBON O-RING KIT

Part Number: 568 FC Kit**List Price:** \$ 240.70

This kit contains a total of 436 75 Durometer Fluorocarbon O-Rings in 36 different sizes, providing an extremely low cost per size value.

PART NUMBER	QTY
005-011V	25
012V	15
013-018V	10
110V	15

PART NUMBER	QTY
111-116V	10
117-121V	7
210-211V	10
212-219V	7

900 BOSS FLUOROCARBON O-RING KIT

Part Number: 900 Boss FC
List Price: \$ 205.84

This 250 piece, 12 size assortment contains the most popular Boss o-rings in 90 durometer black fluorocarbon—individually boxed and separated for convenience. This kit is ideal for use in hydraulic shops, for mobile maintenance, and on parts counters.

PART NUMBER	QTY
904V	35
905-906V	30
907-910V	20
911-914V	15
916V	15



This 212 piece, 20 size assortment contains all the common Boss o-rings in 90 durometer black fluorocarbon—individually boxed and separated for convenience. This kit is ideal for use in hydraulic shops, for mobile maintenance, and on parts counters.

90A FLUOROCARBON BOSS O-RING KIT

Part Number: BS90K FC
List Price: \$ 176.09

PART NUMBER	QTY
901-905V90	10
906-910V90	12
911-914V90	10
916	10
918	10

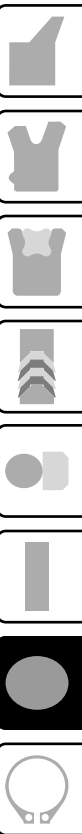
PART NUMBER	QTY
920	10
924	10
928	10
932	10

PTFE O-RING KIT

Part Number: 568 PTFE Kit
List Price: \$ 455.09

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.

PART NUMBER	QTY
005-012T	15
013-018T	10
110-116T	10
117-121T	5
210-219T	5





QUAD RING KIT

Part Number: Quad Ring Kit
List Price: \$ 82.16

This kit contains a total of 226 Quad Seals in 36 different sizes, providing an extremely low cost per size value.

PART NUMBER	QTY
005-012	10
013-016	6
017-018	5

PART NUMBER	QTY
110-116	6
117-121	4
210-219	5



O-RING FACE KIT

Part Number: 568 Face Kit
List Price: \$ 28.68

This kit contains a total of 155 90 Durometer O-Rings in 8 different sizes, providing an extremely low cost per size value.

PART NUMBER	QTY
011-90D	25
012-90D	25
014-90D	25
016-90D	25

PART NUMBER	QTY
018-90D	20
021-90D	15
025-90D	10
029-90D	10



O-RING FLANGE KIT

Part Number: 568 Flange Kit
List Price: \$ 31.14

This kit contains a total of 70, 90 Durometer O-rings, in 7 different sizes, providing an extremely low cost per size value.



PART NUMBER	QTY
210-90D	10
214-90D	10
219-90D	10
222-90D	10

PART NUMBER	QTY
225-90D	10
228-90D	10
232-90D	10

SPLIT FLANGE SEAL KIT

Part Number: SFS Kit
List Price: \$ 88.68



PART NUMBER	QTY
SFS-8	5
SFS-12	5
SFS-16	5
SFS-20	5

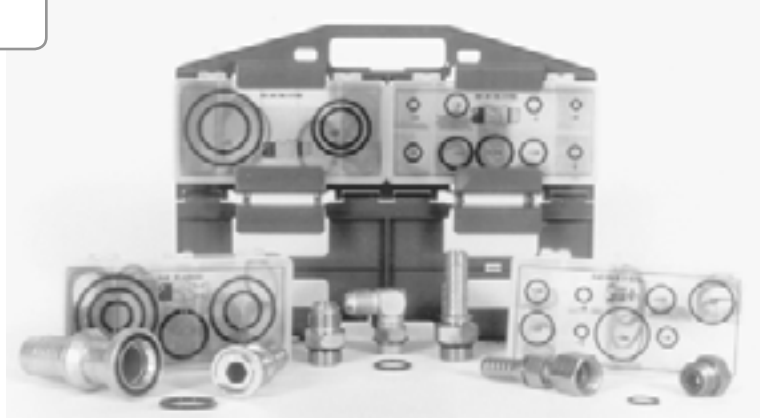
PART NUMBER	QTY
SFS-24	5
SFS-32	5
SFS-40	5



HOSE END & ADAPTER KIT

Part Number: O-R Fitting Kit
List Price: \$ 119.74

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. Due to popular demand, these kits are now available individually.



SAE FLANGE SEALS

Part Number: SAE Flange Seals
List Price: \$ 29.37

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

FLAT FACE SEALS

Part Number: Flat Face O-Rings
List Price: \$ 29.37

BOX PART NUMBER	PART NUMBER	QTY
-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



O-RING SPLICE KIT INCH SIZES

Part Number: 568 Splice Kit
List Price: \$ 59.28

Kit Contains:

1. Stock of 70 Durometer Buna O-Ring Cord
2. Razor Blade
3. Splicing Tool
4. Tube of Adhesive

REPLACEMENT PARTS

PARTS:	LIST PRICE
#568 Splice Tool	\$9.44 ea
#568 Adhesive	\$3.68 ea
70 Duro. Cord	



O-RING SPLICE KIT INCH & METRIC SIZES

Part Number: Met/Inch Splice Kit
List Price: \$ 78.37

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)

1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 5.7, 8.4



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
List Price: \$ 222.58

Kit Contains:

1. Stock of 75 Durometer Fluorocarbon Cord
2. Razor Blade
3. Splicing Tool
4. Tube of Adhesive

REPLACEMENT PARTS

PARTS:	LIST PRICE
#568 Splice Tool	\$9.44 ea
#568 Adhesive	\$3.68 ea
75 Duro. Cord	



[SEAL INFORMATION]

8-N90



Molded of 90A Durometer Buna-N Rubber, these "Parback®" style concave back-up rings provide excellent extrusion resistance. Stretched for installation, they return quickly to their original size for conventional use.

NOTE: Sizes(Dash No.) corresponds to standard O-Ring numbers.

MATERIAL

90A NITRILE

TEMPERATURE RANGE

-40° TO +240° F

PRESSURE RANGEVARIES ACCORDING TO
DIAMETRICAL CLEARANCE**PART NUMBER**

(Prefix) - (O-Ring Dash #)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-004N90	\$ 0.20	8-041N90	\$ 0.91	8-129N90	\$ 0.42	8-166N90	\$ 2.15
8-005N90	0.20	8-042N90	1.11	8-130N90	0.46	8-167N90	3.98
8-006N90	0.23	8-043N90	1.27	8-131N90	0.49	8-168N90	4.24
8-007N90	0.23	8-044N90	1.40	8-132N90	0.49	8-169N90	4.47
8-008N90	0.23	8-045N90	1.83	8-133N90	0.52	8-170N90	4.73
8-009N90	0.23	8-046N90	1.89	8-134N90	0.52	8-171N90	4.86
8-010N90	0.23	8-047N90	2.05	8-135N90	0.55	8-172N90	5.02
8-011N90	0.23	8-048N90	2.18	8-136N90	0.55	8-173N90	5.25
8-012N90	0.23	8-049N90	2.51	8-137N90	0.55	8-174N90	5.38
8-013N90	0.23	8-050N90	2.71	8-138N90	0.59	8-175N90	5.51
8-014N90	0.26	8-102N90	0.20	8-139N90	0.59	8-176N90	5.71
8-015N90	0.26	8-103N90	0.20	8-140N90	0.62	8-177N90	5.93
8-016N90	0.26	8-104N90	0.23	8-141N90	0.62	8-178N90	6.10
8-017N90	0.26	8-105N90	0.23	8-142N90	0.62	8-201N90	0.52
8-018N90	0.26	8-106N90	0.23	8-143N90	0.65	8-202N90	0.23
8-019N90	0.26	8-107N90	0.23	8-144N90	0.68	8-203N90	0.23
8-020N90	0.26	8-108N90	0.23	8-145N90	0.72	8-204N90	0.23
8-021N90	0.26	8-109N90	0.23	8-146N90	0.75	8-205N90	0.23
8-022N90	0.29	8-110N90	0.23	8-147N90	0.78	8-206N90	0.26
8-023N90	0.29	8-111N90	0.23	8-148N90	0.88	8-207N90	0.26
8-024N90	0.29	8-112N90	0.23	8-149N90	0.95	8-208N90	0.26
8-025N90	0.29	8-113N90	0.23	8-150N90	1.04	8-209N90	0.26
8-026N90	0.33	8-114N90	0.23	8-151N90	1.14	8-210N90	0.26
8-027N90	0.33	8-115N90	0.26	8-152N90	1.14	8-211N90	0.26
8-028N90	0.33	8-116N90	0.26	8-153N90	1.47	8-212N90	0.26
8-029N90	0.36	8-117N90	0.26	8-154N90	1.40	8-213N90	0.26
8-030N90	0.39	8-118N90	0.26	8-155N90	1.56	8-214N90	0.29
8-031N90	0.39	8-119N90	0.26	8-156N90	1.73	8-215N90	0.29
8-032N90	0.42	8-120N90	0.26	8-157N90	1.92	8-216N90	0.33
8-033N90	0.46	8-121N90	0.29	8-158N90	2.12	8-217N90	0.33
8-034N90	0.49	8-122N90	0.29	8-159N90	2.45	8-218N90	0.36
8-035N90	0.49	8-123N90	0.33	8-160N90	2.61	8-219N90	0.39
8-036N90	0.52	8-124N90	0.36	8-161N90	2.90	8-220N90	0.39
8-037N90	0.55	8-125N90	0.39	8-162N90	3.00	8-221N90	0.42
8-038N90	0.62	8-126N90	0.39	8-163N90	3.16	8-222N90	0.42
8-039N90	0.68	8-127N90	0.39	8-164N90	3.39	8-223N90	0.49
8-040N90	0.75	8-128N90	0.42	8-165N90	3.59	8-224N90	0.49

90A NITRILE BACK-UP RINGS

215

BACK-UP RINGS

PART NUMBER	LIST PRICE
8-225N90	\$ 0.52
8-226N90	0.55
8-227N90	0.62
8-228N90	0.64
8-229N90	0.68
8-230N90	0.72
8-231N90	0.72
8-232N90	0.75
8-233N90	0.82
8-234N90	0.82
8-235N90	0.85
8-236N90	0.88
8-237N90	0.88
8-238N90	0.95
8-239N90	0.98
8-240N90	1.01
8-241N90	1.08
8-242N90	1.11
8-243N90	1.17
8-244N90	1.24
8-245N90	1.37
8-246N90	1.43
8-247N90	1.50
8-248N90	1.60
8-249N90	1.63
8-250N90	1.66
8-251N90	1.73
8-252N90	1.73
8-253N90	1.79
8-254N90	1.86
8-255N90	1.96
8-256N90	2.05
8-257N90	2.15
8-258N90	2.28
8-259N90	2.54
8-260N90	2.74
8-261N90	3.00
8-262N90	3.16
8-263N90	4.19
8-264N90	4.83
8-265N90	4.86
8-266N90	4.89
8-267N90	4.92
8-268N90	5.23
8-269N90	5.43
8-270N90	5.67
8-271N90	5.97
8-272N90	6.21
8-273N90	6.55
8-274N90	6.80

PART NUMBER	LIST PRICE
8-275N90	\$ 7.14
8-276N90	7.73
8-277N90	8.13
8-278N90	8.54
8-279N90	9.42
8-280N90	10.33
8-281N90	16.14
8-282N90	17.05
8-283N90	18.29
8-284N90	19.46
8-309N90	0.26
8-310N90	0.26
8-311N90	0.26
8-312N90	0.26
8-313N90	0.29
8-314N90	0.33
8-315N90	0.33
8-316N90	0.36
8-317N90	0.36
8-318N90	0.36
8-319N90	0.42
8-320N90	0.42
8-321N90	0.46
8-322N90	0.49
8-323N90	0.49
8-324N90	0.49
8-325N90	0.52
8-326N90	0.55
8-327N90	0.59
8-328N90	0.65
8-329N90	0.68
8-330N90	0.72
8-331N90	0.75
8-332N90	0.78
8-333N90	0.82
8-334N90	0.88
8-335N90	0.95
8-336N90	0.98
8-337N90	1.04
8-338N90	1.08
8-339N90	1.14
8-340N90	1.21
8-341N90	1.30
8-342N90	1.37
8-343N90	1.43
8-344N90	1.53
8-345N90	1.63
8-346N90	1.79
8-347N90	1.86
8-348N90	1.99

PART NUMBER	LIST PRICE
8-349N90	\$ 2.15
8-350N90	2.31
8-351N90	2.41
8-352N90	2.54
8-353N90	2.67
8-354N90	2.80
8-355N90	2.90
8-356N90	2.97
8-357N90	3.06
8-358N90	3.13
8-359N90	3.26
8-360N90	3.33
8-361N90	3.42
8-362N90	3.52
8-363N90	3.55
8-364N90	3.65
8-365N90	3.75
8-366N90	5.09
8-367N90	5.12
8-368N90	5.15
8-369N90	5.22
8-370N90	5.28
8-371N90	5.31
8-372N90	5.35
8-373N90	5.41
8-374N90	5.48
8-375N90	12.68
8-376N90	5.54
8-377N90	5.61
8-378N90	6.59
8-379N90	6.88
8-380N90	8.35
8-381N90	9.06
8-382N90	9.88
8-383N90	10.79
8-384N90	11.92
8-385N90	14.30
8-386N90	17.20
8-387N90	16.90
8-388N90	18.65
8-389N90	20.69
8-390N90	21.24
8-391N90	22.95
8-392N90	25.77
8-393N90	28.07
8-394N90	30.53
8-395N90	32.50
8-425N90	2.28
8-426N90	2.35
8-427N90	2.43

PART NUMBER	LIST PRICE
8-428N90	\$ 2.48
8-429N90	2.51
8-430N90	2.58
8-431N90	2.80
8-432N90	2.97
8-433N90	3.15
8-434N90	3.36
8-435N90	3.55
8-436N90	3.64
8-437N90	3.78
8-438N90	3.91
8-439N90	4.04
8-440N90	4.21
8-441N90	4.37
8-442N90	5.22
8-443N90	5.41
8-444N90	5.71
8-445N90	5.84
8-446N90	6.16
8-447N90	6.39
8-448N90	6.52
8-449N90	6.68
8-450N90	7.34
8-451N90	7.40
8-452N90	7.53
8-453N90	7.69
8-454N90	8.05
8-455N90	8.22
8-456N90	8.37
8-457N90	8.61
8-458N90	8.74
8-459N90	8.89
8-460N90	9.07
8-461N90	9.23
8-462N90	10.43
8-463N90	10.00
8-464N90	15.80
8-465N90	10.72
8-466N90	11.32
8-467N90	11.75
8-468N90	12.15
8-469N90	12.98
8-470N90	14.16
8-471N90	15.68
8-472N90	17.37
8-473N90	17.92
8-474N90	23.33
8-475N90	27.26



INCH



[SEAL INFORMATION]

8-H55



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.) corresponds to standard O-ring numbers.

MATERIAL

55D HYTREL

TEMPERATURE RANGE

-65° TO +275° F

PRESSURE RANGEVARIES ACCORDING TO
DIAMETRICAL CLEARANCE**PART NUMBER**

(Prefix) - (Dash #) (Durometer)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-014H55	\$ 0.66	8-043H55	\$ 1.06	8-134H55	\$ 0.89	8-163H55	\$ 3.16
8-015H55	0.68	8-044H55	1.51	8-135H55	0.89	8-205H55	0.66
8-016H55	0.80	8-045H55	1.51	8-136H55	0.89	8-206H55	0.66
8-017H55	0.80	8-047H55	1.59	8-137H55	0.89	8-207H55	0.66
8-018H55	0.80	8-048H55	1.82	8-138H55	0.89	8-208H55	0.66
8-019H55	0.80	8-049H55	1.82	8-139H55	0.91	8-209H55	0.66
8-020H55	0.80	8-050H55	0.73	8-140H55	0.91	8-210H55	0.73
8-021H55	0.80	8-111H55	0.73	8-141H55	0.91	8-211H55	0.73
8-022H55	0.80	8-112H55	0.73	8-142H55	0.94	8-212H55	0.73
8-023H55	0.80	8-113H55	0.66	8-143H55	0.91	8-213H55	0.73
8-024H55	0.80	8-114H55	0.66	8-144H55	0.91	8-214H55	0.73
8-025H55	0.80	8-115H55	0.66	8-145H55	0.91	8-215H55	0.76
8-026H55	0.89	8-116H55	0.73	8-146H55	0.91	8-216H55	0.76
8-027H55	0.89	8-117H55	0.73	8-147H55	0.91	8-217H55	0.76
8-028H55	0.89	8-118H55	0.73	8-148H55	0.91	8-218H55	0.76
8-029H55	0.89	8-119H55	0.76	8-149H55	0.91	8-219H55	0.76
8-030H55	0.89	8-120H55	0.76	8-150H55	1.03	8-220H55	0.80
8-031H55	0.89	8-122H55	0.76	8-151H55	1.03	8-221H55	0.80
8-032H55	0.89	8-123H55	0.80	8-152H55	1.37	8-222H55	0.80
8-033H55	0.94	8-124H55	0.80	8-153H55	1.40	8-223H55	0.82
8-034H55	0.94	8-125H55	0.89	8-154H55	2.16	8-224H55	0.82
8-035H55	0.94	8-126H55	0.89	8-155H55	2.16	8-225H55	0.89
8-036H55	0.94	8-127H55	0.89	8-156H55	2.22	8-226H55	0.89
8-037H55	0.94	8-128H55	0.89	8-157H55	2.28	8-227H55	0.89
8-038H55	0.94	8-129H55	0.89	8-158H55	2.33	8-228H55	0.89
8-039H55	0.91	8-130H55	0.89	8-159H55	2.38	8-229H55	0.89
8-040H55	1.03	8-131H55	0.89	8-160H55	2.43	8-230H55	0.94
8-041H55	1.06	8-132H55	0.89	8-161H55	2.47	8-231H55	0.94
8-042H55	1.06	8-133H55	0.89	8-162H55	2.54	8-232H55	0.94

55D HYTREL BACK-UP RINGS

217

BACK-UP RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-233H55	\$ 0.94	8-267H55	\$ 5.80	8-336H55	\$ 1.00	8-371H55	\$ 4.12
8-234H55	1.10	8-268H55	5.96	8-337H55	1.06	8-372H55	4.20
8-235H55	1.10	8-269H55	5.96	8-338H55	1.06	8-375H55	4.35
8-236H55	1.10	8-270H55	6.12	8-339H55	1.13	8-425H55	2.38
8-237H55	1.27	8-271H55	6.27	8-340H55	1.21	8-426H55	2.40
8-238H55	1.27	8-272H55	6.33	8-341H55	1.21	8-427H55	3.01
8-239H55	1.55	8-273H55	6.42	8-342H55	1.31	8-428H55	3.08
8-240H55	1.58	8-309H55	0.66	8-343H55	1.46	8-429H55	3.08
8-241H55	1.58	8-310H55	0.66	8-344H55	1.64	8-430H55	3.11
8-242H55	1.58	8-311H55	0.66	8-345H55	1.79	8-431H55	3.15
8-243H55	1.58	8-312H55	0.73	8-346H55	1.91	8-432H55	3.29
8-244H55	1.94	8-313H55	0.73	8-347H55	2.00	8-433H55	3.43
8-245H55	1.94	8-314H55	0.76	8-348H55	2.14	8-434H55	3.59
8-246H55	2.21	8-315H55	0.76	8-350H55	2.26	8-435H55	3.71
8-247H55	2.21	8-316H55	0.76	8-351H55	2.55	8-436H55	3.73
8-248H55	2.46	8-317H55	0.76	8-352H55	2.60	8-437H55	3.83
8-249H55	2.46	8-318H55	0.76	8-353H55	2.62	8-438H55	3.90
8-250H55	2.55	8-319H55	0.76	8-354H55	2.71	8-439H55	4.02
8-251H55	2.76	8-320H55	0.76	8-355H55	2.90	8-440H55	4.34
8-252H55	2.97	8-321H55	0.76	8-356H55	3.00	8-441H55	4.54
8-253H55	3.07	8-322H55	0.76	8-357H55	3.29	8-442H55	4.75
8-254H55	3.23	8-323H55	0.81	8-358H55	3.29	8-443H55	5.62
8-255H55	3.31	8-324H55	0.81	8-359H55	3.45	8-444H55	7.47
8-256H55	3.34	8-325H55	0.81	8-360H55	3.64	8-445H55	7.25
8-257H55	3.66	8-326H55	0.89	8-361H55	3.87	8-446H55	9.66
8-258H55	3.77	8-327H55	0.89	8-362H55	3.87	8-447H55	10.06
8-259H55	3.77	8-328H55	1.00	8-363H55	3.87	8-448H55	10.21
8-260H55	3.94	8-329H55	0.89	8-364H55	3.87	8-450H55	11.06
8-261H55	4.11	8-330H55	0.89	8-366H55	4.36	8-455H55	11.06
8-262H55	4.18	8-331H55	0.89	8-365H55	3.87		
8-263H55	4.37	8-332H55	0.91	8-367H55	3.87		
8-264H55	4.67	8-333H55	0.91	8-368H55	3.87		
8-265H55	4.92	8-334H55	0.94	8-369H55	4.12		
8-266H55	5.72	8-335H55	1.00	8-370H55	4.12		



INCH



[SEAL INFORMATION]

8-T



PTFE Back-ups for O-rings are called out by the dash number of the O-ring size. Designed with a concave profile like the 90A Buna rings to which they are superior, PTFE is recommended specifically for higher pressures and temperatures. **CALL FOR SIZES NOT LISTED.**

NOTE: Spiral PTFE Back-ups available upon request.

MATERIAL

PTFE

TEMPERATURE RANGE

-40° TO +500° F

PRESSURE RANGEVARIES ACCORDING TO
DIAMETRICAL CLEARANCE**PART NUMBER**

(Prefix) - (Dash #) (Config.)

Letter Suffix: SOLT = Solid, ST = Split

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-004ST	\$ 1.30	8-020ST	\$ 1.62	8-036SOLT	\$ 4.59	8-118SOLT	\$ 1.71
8-005ST	1.16	8-021SOLT	1.69	8-036ST	5.17	8-118ST	1.68
8-006SOLT	1.18	8-021ST	1.67	8-037SOLT	4.59	8-119SOLT	1.87
8-006ST	1.18	8-022SOLT	1.77	8-037ST	4.77	8-119ST	1.80
8-007SOLT	1.18	8-022ST	1.70	8-038SOLT	4.53	8-120SOLT	1.97
8-007ST	1.18	8-023SOLT	1.75	8-038ST	4.62	8-120ST	1.87
8-008SOLT	1.20	8-023ST	1.68	8-039SOLT	5.12	8-121SOLT	2.12
8-008ST	1.20	8-024ST	1.79	8-040SOLT	5.23	8-121ST	1.95
8-009SOLT	1.20	8-025SOLT	1.93	8-041SOLT	6.57	8-122SOLT	2.25
8-009ST	1.20	8-025ST	1.79	8-042SOLT	6.66	8-122ST	2.14
8-010SOLT	1.22	8-026SOLT	1.95	8-044SOLT	7.21	8-123SOLT	2.39
8-010ST	1.22	8-026ST	1.91	8-045SOLT	11.42	8-123ST	2.27
8-011SOLT	1.25	8-027SOLT	1.96	8-110SOLT	1.32	8-124SOLT	2.47
8-011ST	1.25	8-027ST	1.91	8-110ST	1.31	8-124ST	2.29
8-012SOLT	1.29	8-028SOLT	2.02	8-111SOLT	1.39	8-125SOLT	2.68
8-012ST	1.29	8-028ST	1.96	8-111ST	1.38	8-125ST	2.40
8-013SOLT	1.32	8-029SOLT	2.27	8-112SOLT	1.43	8-126SOLT	2.77
8-013ST	1.32	8-029ST	1.98	8-112ST	1.40	8-126ST	2.49
8-014SOLT	1.35	8-030SOLT	3.84	8-113SOLT	1.49	8-127SOLT	2.86
8-014ST	1.28	8-030ST	2.00	8-113ST	1.44	8-127ST	2.58
8-015SOLT	1.40	8-031SOLT	3.93	8-114SOLT	1.55	8-128SOLT	2.91
8-015ST	1.30	8-031ST	3.93	8-114ST	1.48	8-128ST	2.65
8-016SOLT	1.44	8-032SOLT	3.53	8-115SOLT	2.10	8-129SOLT	2.95
8-016ST	1.38	8-033SOLT	3.64	8-115ST	1.53	8-129ST	2.70
8-017ST	1.50	8-033ST	3.56	8-116SOLT	1.56	8-130SOLT	3.35
8-018ST	1.52	8-034SOLT	3.92	8-116ST	1.63	8-130ST	2.76
8-019ST	1.54	8-034ST	3.83	8-117SOLT	1.90	8-131SOLT	3.02
8-020SOLT	1.62	8-035ST	4.50	8-117ST	1.63	8-131ST	2.80



PTFE O-RING BACKUPS

BACK-UP RINGS

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-311ST	\$ 4.70	8-339ST	\$ 6.66	8-364SOLT	\$ 19.89	8-440ST	\$ 18.45
8-314ST	5.05	8-340SOLT	7.36	8-365SOLT	20.59	8-441SOLT	19.23
8-315ST	5.23	8-340ST	6.88	8-367SOLT	21.34	8-441ST	18.82
8-316ST	5.32	8-341SOLT	7.50	8-367ST	20.24	8-442SOLT	19.58
8-317SOLT	5.45	8-341ST	7.07	8-372SOLT	25.35	8-442ST	19.80
8-318ST	5.29	8-342SOLT	7.65	8-373SOLT	27.38	8-443SOLT	19.87
8-320SOLT	5.49	8-342ST	7.20	8-374SOLT	29.95	8-443ST	20.40
8-320ST	5.49	8-343SOLT	7.79	8-375SOLT	32.79	8-444SOLT	20.16
8-321ST	5.59	8-343ST	7.33	8-411SOLT	13.41	8-444ST	20.75
8-322ST	5.73	8-344SOLT	7.86	8-413ST	21.46	8-445SOLT	20.36
8-323SOLT	9.07	8-344ST	7.42	8-417SOLT	23.65	8-445ST	21.02
8-324SOLT	5.22	8-345SOLT	7.93	8-425SOLT	14.77	8-446SOLT	20.69
8-324ST	5.31	8-345ST	7.52	8-425ST	14.77	8-446ST	21.57
8-325SOLT	5.84	8-346SOLT	8.09	8-426SOLT	15.13	8-447SOLT	21.24
8-325ST	5.41	8-346ST	7.71	8-426ST	15.28	8-447ST	22.02
8-326SOLT	5.88	8-347SOLT	8.32	8-427SOLT	15.46	8-448SOLT	21.54
8-326ST	5.45	8-347ST	7.85	8-427ST	15.40	8-448ST	22.45
8-327SOLT	6.01	8-348SOLT	8.52	8-428SOLT	15.84	8-449SOLT	24.96
8-327ST	5.54	8-348ST	8.01	8-428ST	15.58	8-449ST	23.23
8-328SOLT	6.08	8-349SOLT	8.75	8-429SOLT	16.20	8-450SOLT	27.75
8-328ST	5.60	8-349ST	8.26	8-429ST	15.66	8-450ST	30.91
8-329SOLT	6.20	8-350SOLT	9.79	8-430SOLT	16.46	8-451SOLT	32.89
8-329ST	5.68	8-350ST	9.56	8-430ST	16.03	8-451ST	35.03
8-330SOLT	6.26	8-351ST	10.27	8-431SOLT	16.61	8-452SOLT	34.69
8-330ST	5.83	8-352SOLT	10.53	8-431ST	16.31	8-452ST	36.92
8-331SOLT	6.37	8-352ST	10.31	8-432SOLT	16.79	8-453SOLT	38.36
8-331ST	5.90	8-354SOLT	11.18	8-432ST	16.49	8-453ST	39.81
8-332SOLT	6.42	8-354ST	11.18	8-433SOLT	17.01	8-454SOLT	41.44
8-332ST	6.03	8-355SOLT	13.71	8-433ST	16.65	8-454ST	42.19
8-333SOLT	6.48	8-355ST	12.30	8-434SOLT	17.23	8-455SOLT	45.20
8-333ST	6.10	8-356SOLT	12.54	8-434ST	17.89	8-456SOLT	44.23
8-334SOLT	6.59	8-356ST	15.26	8-435SOLT	17.39	8-456ST	46.03
8-334ST	6.15	8-357SOLT	12.66	8-435ST	17.06	8-457SOLT	48.55
8-335SOLT	6.69	8-357ST	13.09	8-436SOLT	17.62	8-457ST	48.53
8-335ST	6.31	8-358SOLT	16.89	8-436ST	17.27	8-458SOLT	49.44
8-336SOLT	6.83	8-358ST	13.73	8-437SOLT	18.08	8-458ST	50.14
8-336ST	6.43	8-359SOLT	13.52	8-437ST	17.49	8-459SOLT	51.38
8-337SOLT	7.10	8-360SOLT	15.77	8-438SOLT	18.47	8-459ST	51.83
8-337ST	6.50	8-361SOLT	17.57	8-438ST	19.03	8-460SOLT	52.94
8-338SOLT	7.13	8-362SOLT	18.12	8-439SOLT	18.77	8-460ST	54.22
8-338ST	6.54	8-362ST	18.53	8-439ST	18.21		
8-339SOLT	7.21	8-363SOLT	18.99	8-440SOLT	18.99		

NOTE: For availability on PTFE Spiral Back-ups, inquire per size.



INCH

95A URETHANE BACK-UP RINGS

221

BACK-UP RINGS

[SEAL INFORMATION]

8-U95



Molded of 95A Durometer Urethane these back-up rings provide excellent extrusion resistance. Stretched for installation, they return quickly to their original size for conventional use.

NOTE: Sizes (Dash No.) corresponds to standard O-ring numbers.

MATERIAL	95A URETHANE
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #) (Durometer)

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-004U95	\$ 0.98	8-036U95	\$ 0.98	8-119U95	\$ 0.76	8-151U95	\$ 1.08
8-005U95	0.98	8-037U95	0.98	8-120U95	0.80	8-152U95	1.44
8-006U95	0.98	8-038U95	0.98	8-121U95	0.80	8-153U95	1.47
8-007U95	0.98	8-039U95	1.02	8-122U95	0.80	8-154U95	2.27
8-008U95	0.98	8-040U95	1.08	8-123U95	0.80	8-155U95	2.29
8-009U95	0.98	8-041U95	1.12	8-124U95	0.84	8-156U95	2.30
8-010U95	0.98	8-042U95	1.12	8-125U95	0.84	8-157U95	2.30
8-011U95	0.69	8-043U95	1.12	8-126U95	0.93	8-158U95	2.45
8-012U95	0.69	8-044U95	1.59	8-127U95	0.93	8-159U95	2.50
8-013U95	0.69	8-045U95	1.59	8-128U95	0.93	8-160U95	2.55
8-014U95	0.69	8-046U95	1.67	8-129U95	0.93	8-161U95	2.60
8-015U95	0.69	8-047U95	1.67	8-130U95	0.93	8-162U95	2.67
8-016U95	0.84	8-048U95	2.32	8-131U95	0.93	8-163U95	3.32
8-017U95	0.84	8-049U95	2.32	8-132U95	0.93	8-164U95	3.32
8-018U95	0.84	8-050U95	2.32	8-133U95	0.93	8-165U95	3.32
8-019U95	0.84	8-102U95	0.76	8-134U95	0.93	8-166U95	3.32
8-020U95	0.84	8-103U95	0.76	8-135U95	0.93	8-167U95	3.32
8-021U95	0.84	8-104U95	0.76	8-136U95	0.93	8-168U95	3.32
8-022U95	0.84	8-105U95	0.76	8-137U95	0.93	8-170U95	3.34
8-023U95	0.84	8-106U95	0.76	8-138U95	0.93	8-171U95	3.37
8-024U95	0.84	8-107U95	0.76	8-139U95	0.93	8-172U95	3.50
8-025U95	0.84	8-108U95	0.76	8-140U95	0.96	8-173U95	3.50
8-026U95	0.84	8-109U95	0.76	8-141U95	0.96	8-174U95	3.50
8-027U95	0.93	8-110U95	0.76	8-142U95	0.96	8-175U95	3.50
8-028U95	0.93	8-111U95	0.76	8-143U95	0.98	8-205U95	0.69
8-029U95	0.93	8-112U95	0.76	8-144U95	1.02	8-206U95	0.69
8-030U95	0.93	8-113U95	0.76	8-145U95	1.02	8-207U95	0.69
8-031U95	0.93	8-114U95	0.69	8-146U95	1.02	8-208U95	0.69
8-032U95	0.93	8-115U95	0.69	8-147U95	1.02	8-209U95	0.69
8-033U95	0.98	8-116U95	0.69	8-148U95	1.02	8-210U95	0.76
8-034U95	0.98	8-117U95	0.76	8-149U95	1.02	8-211U95	0.76
8-035U95	0.98	8-118U95	0.76	8-150U95	1.08	8-212U95	0.76

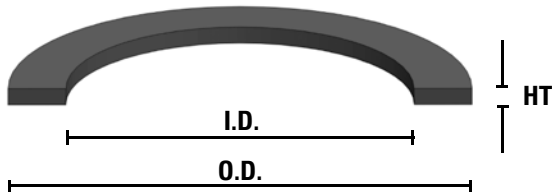


INCH

PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE	PART NUMBER	LIST PRICE
8-213U95	\$ 0.76	8-258U95	\$ 3.94	8-332U95	\$ 0.78	8-377U95	\$ 4.57
8-214U95	0.76	8-259U95	3.94	8-333U95	0.96	8-379U95	6.45
8-215U95	0.80	8-260U95	4.14	8-334U95	0.98	8-381U95	6.03
8-216U95	0.80	8-261U95	4.32	8-335U95	2.07	8-382U95	6.10
8-217U95	0.80	8-262U95	4.39	8-336U95	1.06	8-383U95	6.17
8-218U95	0.80	8-263U95	4.58	8-337U95	2.13	8-421U95	2.51
8-219U95	0.80	8-264U95	4.90	8-338U95	1.12	8-425U95	2.50
8-220U95	0.84	8-265U95	5.17	8-339U95	2.27	8-426U95	2.52
8-221U95	0.84	8-266U95	6.00	8-340U95	1.27	8-427U95	3.23
8-222U95	0.84	8-267U95	6.08	8-341U95	1.27	8-428U95	3.23
8-223U95	0.86	8-268U95	6.25	8-342U95	1.37	8-429U95	3.23
8-224U95	0.86	8-269U95	6.25	8-343U95	2.73	8-430U95	3.25
8-225U95	0.93	8-270U95	6.43	8-344U95	1.72	8-431U95	3.30
8-226U95	0.93	8-271U95	6.59	8-345U95	1.88	8-432U95	3.46
8-227U95	0.93	8-272U95	6.65	8-346U95	2.00	8-433U95	3.60
8-228U95	0.93	8-273U95	6.74	8-347U95	2.10	8-434U95	3.77
8-229U95	0.93	8-274U95	6.74	8-348U95	2.24	8-435U95	3.88
8-230U95	1.06	8-275U95	6.76	8-349U95	3.81	8-436U95	3.91
8-231U95	1.06	8-276U95	7.46	8-350U95	2.39	8-437U95	4.03
8-232U95	1.06	8-277U95	7.38	8-351U95	2.68	8-438U95	4.11
8-233U95	1.06	8-278U95	7.90	8-352U95	2.73	8-439U95	4.22
8-234U95	1.15	8-279U95	7.90	8-353U95	2.75	8-440U95	4.56
8-235U95	1.15	8-309U95	0.69	8-354U95	2.86	8-441U95	4.77
8-236U95	1.15	8-310U95	0.69	8-355U95	3.04	8-442U95	4.98
8-237U95	1.33	8-311U95	0.69	8-356U95	3.15	8-443U95	5.91
8-238U95	1.33	8-312U95	0.76	8-357U95	3.46	8-444U95	7.87
8-239U95	1.63	8-313U95	0.76	8-358U95	3.46	8-445U95	7.62
8-240U95	1.66	8-314U95	0.80	8-359U95	3.63	8-446U95	10.14
8-241U95	1.66	8-315U95	1.02	8-360U95	3.82	8-447U95	10.56
8-242U95	1.66	8-316U95	0.80	8-361U95	4.06	8-448U95	10.72
8-243U95	1.66	8-317U95	0.80	8-362U95	4.06	8-449U95	10.72
8-244U95	2.04	8-318U95	0.80	8-363U95	4.06	8-450U95	11.62
8-245U95	2.04	8-319U95	0.80	8-364U95	4.06	8-451U95	11.62
8-246U95	2.32	8-320U95	0.80	8-365U95	4.06	8-452U95	11.62
8-247U95	2.32	8-321U95	1.10	8-366U95	4.06	8-453U95	11.62
8-248U95	2.58	8-322U95	0.80	8-367U95	4.06	8-454U95	11.62
8-249U95	2.58	8-323U95	1.13	8-368U95	4.06	8-455U95	11.62
8-250U95	2.68	8-324U95	0.86	8-369U95	4.33	8-456U95	11.61
8-251U95	2.90	8-325U95	0.86	8-370U95	4.33	8-457U95	6.69
8-252U95	3.04	8-326U95	0.93	8-371U95	4.33	8-458U95	8.14
8-253U95	3.23	8-327U95	0.93	8-372U95	4.40	8-459U95	12.25
8-254U95	3.36	8-328U95	1.06	8-373U95	4.40	8-460U95	7.75
8-255U95	3.48	8-329U95	0.93	8-374U95	4.57		
8-256U95	3.63	8-330U95	0.93	8-375U95	4.57		
8-257U95	3.84	8-331U95	0.93	8-376U95	4.57		

[SEAL INFORMATION]

UB-T



MATERIAL	PTFE
TEMPERATURE RANGE	-40° TO +500° F
PRESSURE RANGE	VARIABLES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (C/S) (Inside Dia.)/(Config.)

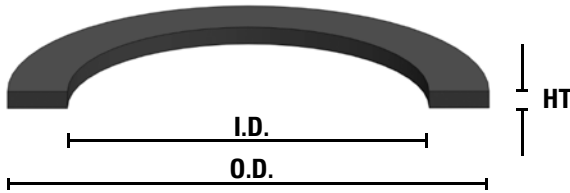
Used primarily as an anti-extrusion device for NU homogenous u-cups, these back-up rings combine high performance with very low friction. "ST" suffix designates a split ring.

PART NUMBER	I.D.	O.D.	HT	LIST PRICE
UB12-0.50T	1/2	3/4	1/16	\$ 7.26
UB12-0.62T	5/8	7/8	1/16	6.89
UB12-0.75ST	3/4	1	1/16	10.67
UB15-1.00T	1	1-5/16	1/16	5.34
UB15-1.18ST	1-3/16	1-1/2	1/16	9.32
UB15-1.37T	1-3/8	1-11/16	1/16	9.32
UB18-1.62ST	1-5/8	2	1/16	11.33
UB18-1.75T	1-3/4	2-1/8	1/16	11.62
UB18-2.00T	2	2-3/8	1/16	10.98
UB18-2.12ST	2-1/8	2-1/2	1/16	12.19
UB21-2.50T	2-1/2	2-15/16	1/16	21.64
UB21-2.81ST	2-13/16	3-1/4	1/16	12.00
UB21-3.00T	3	3-7/16	1/16	14.05
UB25-3.50ST	3-1/2	4	1/16	14.52
UB25-3.50T	3-1/2	4	1/16	15.04
UB18-3.62-09T	3-5/8	4	0.090	15.04
UB25-4.00T	4	4-1/2	1/16	17.17

PART NUMBER	I.D.	O.D.	HT	LIST PRICE
UB25-4.50ST	4-1/2	5	1/16	\$ 18.46
UB25-4.50T	4-1/2	5	1/16	19.83
UB28-4.43ST	4-7/16	5	1/16	19.08
UB28-5.00T	5	5-9/16	1/16	21.99
UB37-5.25-12T	5-1/4	6	1/8	36.41
UB28-5.43ST	5-7/16	6	1/16	30.15
UB28-6.43ST	6-7/16	7	1/16	22.20
UB31-5.37ST	5-3/8	6	1/16	24.73
UB31-5.50T	5-1/2	6-1/8	1/16	29.43
UB31-6.37ST	6-3/8	7	1/16	31.25
UB31-7.37ST	7-3/8	8	1/16	34.40
UB34-9.31ST	9-5/16	10	1/16	37.45
UB37-11.25ST	11-1/4	12	1/16	91.15
UB40-13.18ST	13-3/16	14	1/16	39.66
UB43-5.12-12ST	5-1/8	6	1/8	42.59
UB50-11.00ST	11	12	1/16	52.10
UB50-13.00ST	13	14	1-16	40.81

[SEAL INFORMATION]

UB-P



MATERIAL	HYTREL
TEMPERATURE RANGE	-40° TO +275° F
PRESSURE RANGE	VARIES ACCORDING TO DIAMETRICAL CLEARANCE
PART NUMBER	(Prefix) - (Dash #)

UB-P Back-up Rings feature exceptional strength and abrasion resistance along with a 55 Shore D Hytrel (a high performance Urethane) which makes them suitable for high pressure service where extrusion is a problem. Primarily used as a u-seal backup ring, they can be used with our NU homogenous nitrile u-cups as well as with o-rings if needed. They are also an excellent substitute for urethane and (conditions permitting) PTFE back-up rings with the same groove dimensions.

PART NUMBER	I.D.	O.D.	HT	LIST PRICE
UB12-0.50P	1/2	3/4	1/16	\$ 1.19
UB12-0.62P	5/8	7/8	1/16	1.24
UB12-0.75P	3/4	1	1/16	1.28
UB15-1.00P	1	1-5/16	1/16	1.53
UB15-1.18P-S	1-3/16	1-1/2	1/16	1.63
UB15-1.37P	1-3/8	1-11/16	1/16	1.68
UB18-1.62P	1-5/8	2	1/16	2.01
UB18-1.62P-S	1-5/8	2	1/16	2.01
UB18-1.75P	1-3/4	2-1/8	1/16	2.12
UB18-2.00P	2	2-3/8	1/16	2.25
UB12-2.12P	2-1/8	2-3/8	1/16	1.74
UB18-2.12P	2-1/8	2-1/2	1/16	2.32
UB18-2.12P-S	2-1/8	2-1/2	1/16	2.32
UB12-2.50P	2-1/4	2-1/2	1/16	9.83
UB21-2.50P	2-1/2	2-15/16	1/16	3.43
UB21-2.81P	2-13/16	3-1/4	1/16	4.05
UB21-2.81P-S	2-13/16	3-1/4	1/16	4.05
UB21-3.00P	3	3-7/16	1/16	3.59
UB18-3.12P	3-1/8	3-1/2	1/16	2.97
UB12-3.37P	3-3/8	3-5/8	1/16	2.07
UB18-3.50P	3-1/2	3-7/8	1/16	2.78
UB25-3.50P	3-1/2	4	1/16	4.32
UB25-3.50P-S	3-1/2	4	1/16	4.32
UB12-3.62P	3-5/8	3-7/8	1/16	2.14
UB18-4.00P	4	4-3/8	1/16	3.57

PART NUMBER	I.D.	O.D.	HT	LIST PRICE
UB25-4.00P	4	4-1/2	1/16	\$ 4.56
UB18-4.12P	4-1/8	4-1/2	1/16	3.86
UB18-4.25P	4-1/4	4-5/8	1/16	6.50
UB28-4.43P	4-7/16	5	1/16	6.91
UB18-4.50P	4-1/2	4-7/8	1/16	4.95
UB25-4.50P	4-1/2	5	1/16	4.76
UB25-4.50P-S	4-1/2	5	1/16	4.76
UB18-4.87P	4-7/8	5-1/4	1/16	6.69
UB28-5.00P	5	5-9/16	1/16	6.47
UB18-5.12P	5-1/8	5-1/2	1/16	5.69
UB31-5.37P	5-3/8	6	1/16	5.60
UB31-5.37P-S	5-3/8	6	1/16	5.60
UB28-5.43P	5-7/16	6	1/16	6.98
UB31-5.50P	5-1/2	6-1/8	1/16	8.42
UB18-5.62P	5-5/8	6	1/16	6.91
UB31-6.37P	6-3/8	7	1/16	24.62
UB31-6.37P-S	6-3/8	7	1/16	24.62
UB28-6.43P	6-7/16	7	1/16	31.36
UB31-7.37P	7-3/8	8	1/16	27.13
UB31-7.37P-S	7-3/8	8	1/16	27.13
UB34-9.31P	9-5/16	10	1/16	42.79
UB50-11.00-S	11	12	1/16	73.75
UB37-11.25P	11-1/4	12	1/16	49.38
UB50-13.00P	13	14	1/16	86.81
UB40-13.187P	13-3/16	14	1/16	66.53



90A NITRILE BACK-UP RING KIT

Part Number: 8-N90 Kit
List Price: \$ 65.19

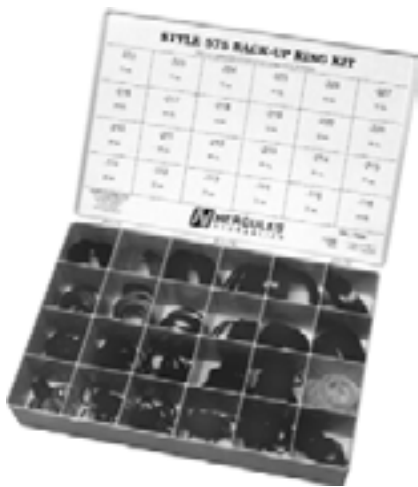
PART NUMBER	QTY	PART NUMBER	QTY
8-005N90	10	8-114N90	10
8-006N90	10	8-115N90	10
8-007N90	10	8-116N90	10
8-008N90	10	8-117N90	5
8-009N90	10	8-118N90	5
8-010N90	10	8-119N90	5
8-011N90	10	8-120N90	5
8-012N90	10	8-121N90	5
8-013N90	10	8-210N90	7
8-014N90	10	8-211N90	7
8-015N90	10	8-212N90	7
8-016N90	10	8-213N90	7
8-017N90	10	8-214N90	5
8-018N90	10	8-215N90	5
8-110N90	10	8-216N90	5
8-111N90	10	8-217N90	5
8-112N90	10	8-218N90	5
8-113N90	10	8-219N90	5



This 293 piece kit contains 36 of the most popular size "Parback®" Style Dished Cross Section Back-up rings. Molded of 90A 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.

URETHANE BACK-UP RING KIT

Part Number: 8-U95 Kit
List Price: \$ 148.64



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.

PART NUMBER	QTY	PART NUMBER	QTY
8-111U95	25	8-216U95	25
8-112U95	25	8-217U95	15
8-113U95	25	8-218U95	15
8-114U95	25	8-219U95	15
8-115U95	25	8-220U95	15
8-116U95	25	8-221U95	15
8-210U95	25	8-222U95	15
8-211U95	25	8-223U95	15
8-212U95	25	8-224U95	15
8-213U95	25	8-325U95	10
8-214U95	25	8-326U95	10
8-215U95	25	8-327U95	10

PTFE BACK-UP RING KIT

Part Number: 8-ST PTFE Kit
List Price: \$ 140.13

PART NUMBER	QTY	PART NUMBER	QTY
8-005ST	15	8-114ST	10
8-006ST	15	8-115ST	10
8-007ST	15	8-116ST	10
8-008ST	15	8-117ST	5
8-009ST	15	8-118ST	5
8-010ST	15	8-119ST	5
8-011ST	15	8-120ST	5
8-012ST	15	8-121ST	5
8-013ST	10	8-210ST	5
8-014ST	10	8-211ST	5
8-015ST	10	8-212ST	5
8-016ST	10	8-213ST	5
8-017ST	10	8-214ST	5
8-018ST	10	8-215ST	5
8-110ST	10	8-216ST	5
8-111ST	10	8-217ST	5
8-112ST	10	8-218ST	5
8-113ST	10	8-219ST	5



This 325 piece kit contains 36 of the most popular size PTFE Back-up rings. Since they are virtually chemically inert, these rings are compatible with all hydraulic fluids, and can be used in applications involving elevated operating temperatures. These rings are scarf cut to facilitate installation.

Is there an assortment that you use that we don't offer?

Let us quote you on it!

BACK-UP RINGS

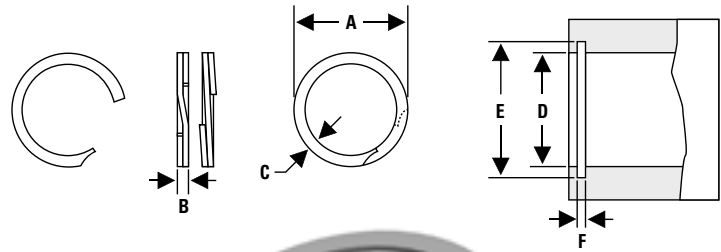


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SPIRAL INTERNAL RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE

HYDRAPAK SEALS PREFIX	RAMSEY SPIROLOX PREFIX
VH-	UR-
WH-	RR-
WHM-	RRN-
WHT-	RRT-



RETAINER RINGS

PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D HOUSING DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
WHM-50	.538	.035	.045	.500	.530	.039	\$ 0.74
WH-62	.658	.025	.045	.625	.651	.030	0.71
WHM-62	.675	.035	.055	.625	.665	.039	0.80
WHT-68	.730	.035	.055	.688	.724	.039	0.67
WHM-68	.743	.035	.065	.688	.732	.039	0.95
WHM-75	.807	.035	.065	.750	.796	.039	1.05
WH-78	.821	.031	.065	.781	.812	.036	0.74
WH-87	.922	.031	.065	.875	.912	.036	0.75
WHM-87	.943	.042	.085	.875	.931	.046	1.05
WH-100	1.054	.037	.075	1.000	1.043	.042	0.78
WHM-100	1.080	.042	.085	1.000	1.066	.046	1.88
WH-112	1.180	.037	.075	1.125	1.167	.042	0.78
WHM-112	1.205	.050	.103	1.125	1.197	.056	1.99
WH-125	1.312	.043	.085	1.250	1.298	.048	0.81
WHM-125	1.339	.050	.103	1.250	1.330	.056	2.14
WH-128	1.342	.043	.085	1.281	1.329	.048	0.85
WHT-131	1.395	.050	.093	1.312	1.385	.056	1.08
VH-137	1.433	.025	.088	1.375	1.419	.031	0.81
WH-137	1.442	.043	.095	1.375	1.427	.048	1.23
WHM-137	1.475	.050	.118	1.375	1.461	.056	2.14
VH-150	1.559	.025	.088	1.500	1.544	.031	1.01
WH-150	1.567	.043	.095	1.500	1.552	.048	1.46
WHT-150	1.591	.050	.108	1.500	1.580	.056	1.43
WHM-150	1.605	.050	.118	1.500	1.594	.056	2.25
WH-156	1.634	.049	.108	1.562	1.617	.056	1.66
WHM-156	1.675	.062	.128	1.562	1.658	.068	2.59
VH-162	1.701	.031	.118	1.625	1.682	.039	1.01
WH-162	1.701	.049	.108	1.625	1.684	.056	3.68
WHT-162	1.727	.062	.113	1.625	1.715	.068	1.66
WH-175	1.834	.049	.118	1.750	1.813	.056	1.66
WHT-175	1.858	.062	.118	1.750	1.845	.068	2.12
WHM-175	1.876	.062	.128	1.750	1.858	.068	4.75
VH-187	1.953	.031	.118	1.875	1.932	.039	1.28
WH-187	1.960	.049	.118	1.875	1.942	.056	2.12
WHT-187	1.989	.062	.128	1.875	1.975	.068	2.52



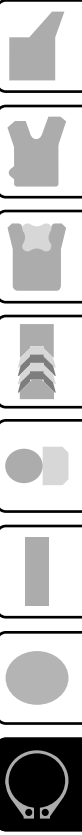
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SPIRAL INTERNAL RETAINER RINGS

229

RETAINER RINGS

PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D HOUSING DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
VH-200	2.079	.031	.118	2.000	2.057	.039	\$ 1.36
WH-200	2.091	.049	.128	2.000	2.071	.056	2.45
WHT-200	2.125	.062	.138	2.000	2.110	.068	2.52
WH-204	2.138	.049	.128	2.047	2.118	.056	2.61
WHM-200	2.142	.062	.158	2.000	2.122	.068	4.95
VH-206	2.162	.031	.158	2.062	2.18	.039	2.00
WHT-206	2.190	.078	.141	2.062	2.175	.086	6.96
WHM-206	2.201	.078	.168	2.062	2.186	.086	6.76
WHM-218	2.334	.078	.168	2.188	2.318	.086	6.76
VH-225	2.352	.031	.158	2.250	2.326	.039	2.61
WHT-225	2.386	.078	.141	2.250	2.370	.086	3.27
WHM-225	2.399	.078	.168	2.250	2.382	.086	6.79
WH-231	2.413	.049	.138	2.312	2.390	.056	2.61
VH-231	2.415	.031	.158	2.312	2.388	.039	9.29
WH-237	2.476	.049	.138	2.375	2.453	.056	2.61
VH-243	2.541	.031	.158	2.437	2.513	.039	3.16
WHT-244	2.588	.078	.188	2.440	2.570	.086	3.27
VH-250	2.605	.031	.158	2.5	2.576	.039	1.93
WH-250	2.606	.049	.148	2.500	2.582	.056	3.46
WHT-250	2.653	.078	.188	2.500	2.635	.086	4.36
WHM-250	2.667	.078	.200	2.500	2.648	.086	7.57
WHT-253	2.687	.078	.188	2.530	2.668	.086	4.36
WHT-256	2.720	.093	.188	2.562	2.834	.103	5.93
WHM-256	2.733	.093	.225	2.562	2.714	.103	6.96
VH-281	2.920	.031	.158	2.812	2.888	.039	5.05
VH-281SS	2.920	.031	.158	2.812	2.888	.039	5.66
WHT-275	2.921	.093	.188	2.750	2.900	.103	5.03
WH-283	2.954	.049	.168	2.834	2.928	.056	3.69
WH-287	2.995	.049	.168	2.875	2.969	.056	5.03
WHT-283	3.009	.093	.188	2.834	2.987	.103	5.16
WHM-283	3.027	.093	.225	2.834	3.006	.103	9.31
VH-300	3.110	.031	.158	3.000	3.076	.039	2.03
WH-300	3.122	.061	.168	3.000	3.096	.068	3.58
WHT-300	3.188	.093	.188	3.000	3.165	.103	5.16
WHM-300	3.204	.093	.225	3.000	3.182	.103	9.88
WHT-312	3.318	.111	.250	3.125	3.295	.120	7.61
WH-325	3.379	.061	.178	3.250	3.350	.068	5.29
WHT-325	3.450	.111	.250	3.250	3.426	.120	6.28
WH-350	3.636	.061	.188	3.500	3.606	.068	3.76
WHLA-368	3.684	.060	.168	3.500	3.665	.068	14.96
WH-356	3.703	.061	.198	3.562	3.672	.068	4.76
WHT-350	3.716	.111	.250	3.500	3.690	.120	9.83
WHL-371	3.725	.086	.187	3.500	3.705	.091	8.07
WHM-350	3.736	.111	.281	3.500	3.710	.120	9.88
WHL-378-HDC	3.780	.077	.132	3.625	3.755	.086	37.64
WHL-392	3.929	.093	.187	3.750	3.909	.103	20.64
WH-400	4.157	.061	.218	4.000	4.124	.068	5.26
WH-406	4.222	.061	.218	4.063	4.187	.068	6.71
WHT-400	4.248	.111	.250	4.000	4.220	.120	9.28
WHL-424	4.249	.090	.187	4.125	4.220	.098	15.95



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SPIRAL INTERNAL RETAINER RINGS**RETAINER RINGS**

PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D HOUSING DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
WHM-400	4.270	.111	.312	4.000	4.240	.120	\$ 11.25
VH-412	4.279	.046	.225	4.125	4.235	.052	7.37
WHM-425	4.520	.111	.312	4.250	4.490	.120	16.33
WHM-433	4.600	.111	.312	4.330	4.570	.120	9.78
WH-450	4.674	.061	.238	4.500	4.636	.068	5.43
WH-472	4.903	.072	.250	4.724	4.864	.079	19.76
WHL-472	4.721	.093	.187	4.500	4.700	.098	8.97
WHL-473	4.732	.111	.250	4.500	4.712	.120	8.97
WHT-450	4.768	.111	.312	4.500	4.735	.120	12.88
WHM-450	4.770	.111	.312	4.500	4.740	.120	17.92
VH-462	4.784	.046	.225	4.625	4.735	.052	7.81
WHL-495	4.958	.093	.187	4.750	4.938	.103	24.18
WHT-475	5.028	.111	.312	4.750	4.995	.120	14.52
WH-500	5.185	.072	.250	5.000	5.144	.079	6.41
WHL-525	5.252	.090	.187	5.125	5.223	.098	45.09
WHT-500	5.295	.111	.312	5.000	5.260	.120	15.09
WH-525	5.436	.072	.250	5.250	5.393	.079	6.83
WH-550	5.693	.072	.250	5.550	5.647	.079	5.83
VH-550	5.694	.061	.225	5.500	5.638	.067	8.08
WH-551	5.703	.072	.250	5.511	5.658	.079	9.57
WHL-573	5.739	.111	.250	5.500	5.720	.120	9.18
WHL-574	5.740	.093	.187	5.500	5.720	.098	8.17
WHT-550	5.810	.127	.375	5.500	5.770	.139	25.78
WH-570	5.909	.072	.250	5.708	5.861	.079	13.58
VH-575	5.953	.061	.225	5.750	5.894	.067	8.75
WHL-595	5.956	.122	.187	5.750	5.936	.131	43.83
WH-600	6.202	.072	.250	6.000	6.153	.079	8.08
WHM-600	6.314	.127	.350	6.000	6.270	.139	19.60
WHT-600	6.314	.127	.375	6.000	6.270	.139	16.41
WH-612	6.349	.086	.312	6.125	6.297	.094	8.28
WHL-672	6.726	.111	.250	6.500	6.706	.120	7.13
WHL-683	6.830	.105	.204	6.500	6.800	.115	21.76
WHT-650	6.837	.165	.312	6.500	6.790	.174	51.67
WHT-662	6.973	.165	.312	6.625	6.925	.174	65.96
VH-675	6.988	.061	.265	6.750	6.919	.067	8.53
WH-700	7.239	.086	.312	7.000	7.182	.094	15.48
WHM-700	7.366	.156	.380	7.000	7.315	.174	49.60
WHL-724	7.249	.122	.245	6.875	7.229	.131	61.02
WHT-700	7.366	.165	.312	7.000	7.315	.174	37.26
WH-712	7.376	.086	.312	7.125	7.317	.094	15.41
WHL-770	7.700	.111	.250	7.500	7.680	.120	9.41
WH-750	7.754	.086	.312	7.500	7.692	.094	16.24
WHL-849	8.493	.122	.245	8.125	8.473	.131	81.40
WHL-871	8.710	.111	.250	8.500	8.690	.120	11.69
WHL-876	8.760	.111	.250	8.520	8.740	.120	19.57
WH-850	8.780	.086	.375	8.500	8.712	.094	25.03
WHL-992	9.927	.108	.250	9.625	9.907	.115	34.27
WHL-1013	10.120	.108	.250	10.00	10.100	.115	48.47
WHT-975	10.260	.189	.375	9.750	10.189	.209	56.38
WHT-1050	11.072	.189	.375	10.500	10.970	.209	98.25

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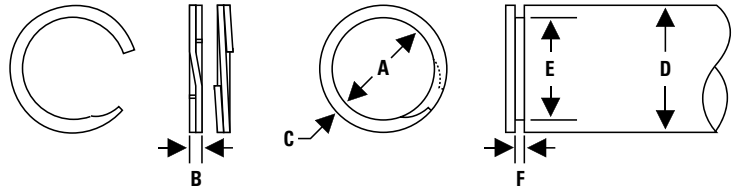
SPIRAL EXTERNAL RETAINER RINGS

231

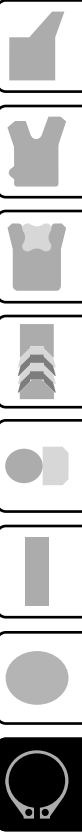
RETAINER RINGS

SPIRAL RETAINER CROSS REFERENCE

HYDRAPAK SEALS PREFIX	RAMSEY SPIROLOX PREFIX
VS-	US-
WS-	RS-
WST-	RSN-
WSM-	RST-



PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D SHAFT DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
WSM-50	.464	.035	.050	.500	.468	.039	\$ 0.83
WSM-62	.583	.035	.055	.625	.588	.039	0.94
WSM-75	.698	.042	.065	.750	.704	.046	1.81
WSM-87	.814	.042	.075	.875	.821	.046	2.00
WST-93	.886	.042	.075	.938	.894	.046	1.55
WSM-100	.932	.042	.085	1.000	.940	.046	2.05
WST-106	1.005	.050	.088	1.062	1.015	.056	1.61
WSM-112	1.047	.050	.103	1.125	1.059	.056	2.05
WSM-125	1.163	.050	.103	1.250	1.176	.056	2.25
WS-131	1.251	.043	.095	1.312	1.264	.048	1.07
WSM-137	1.277	.050	.118	1.375	1.291	.056	2.25
WS-137	1.308	.043	.095	1.375	1.323	.048	1.07
WS-143	1.370	.043	.095	1.437	1.385	.048	1.33
WSM-150	1.390	.050	.118	1.500	1.406	.056	2.38
WST-162	1.537	.062	.118	1.625	1.550	.068	2.26
VS-162	1.550	.031	.118	1.625	1.568	.039	0.60
WST-168	1.598	.062	.118	1.687	1.610	.068	3.92
WSM-175	1.633	.062	.128	1.750	1.650	.068	2.39
WST-175	1.657	.062	.118	1.750	1.670	.068	3.66
WS-175	1.673	.049	.118	1.750	1.691	.056	1.98
WST-187	1.774	.062	.123	1.875	1.790	.068	3.70
VS-187	1.798	.031	.118	1.875	1.818	.039	0.74
WSM-200	1.867	.062	.158	2.000	1.886	.068	6.28
WS-196	1.882	.049	.128	1.969	1.871	.056	2.12
WS-206	1.971	.049	.128	2.062	1.992	.056	4.35
WS-225	2.153	.049	.138	2.250	2.176	.056	2.72
WS-231	2.211	.049	.138	2.312	2.340	.056	5.12
WS-236	2.261	.049	.138	2.362	2.284	.056	5.96
WST-250	2.366	.078	.188	2.500	2.385	.086	6.81
WS-250	2.394	.049	.148	2.500	2.418	.056	4.10



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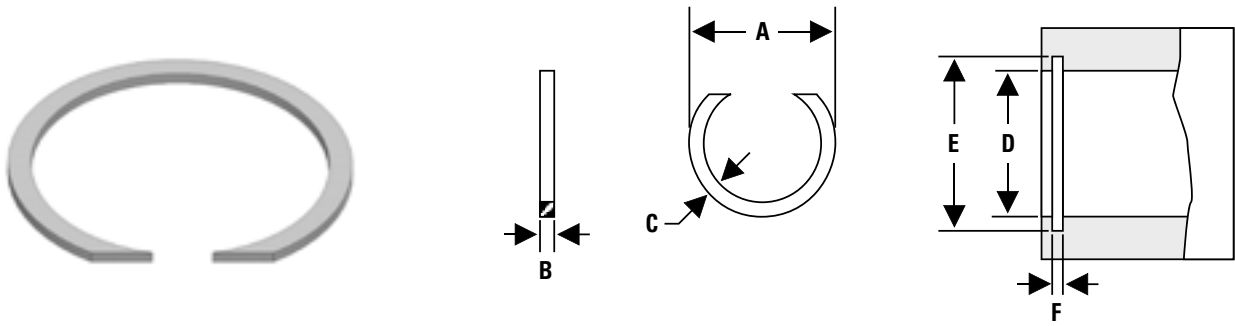
SPIRAL EXTERNAL RETAINER RINGS**RETAINER RINGS**

PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D SHAFT DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
WST-262	2.485	.078	.188	2.625	2.505	.086	\$ 7.22
WS-268	2.572	.049	.158	2.688	2.5796	.056	4.40
WST-275	2.604	.093	.188	2.750	2.625	.103	6.79
WS-275	2.635	.049	.158	2.750	2.660	.056	4.40
WS-293	2.817	.049	.168	2.937	2.843	.056	5.75
WST-300	2.838	.093	.188	3.000	2.860	.103	6.87
WS-312	3.000	.061	.178	3.125	3.027	.068	5.79
WSM-325	3.054	.093	.225	3.250	3.076	.103	7.75
WS-325	3.121	.061	.178	3.250	3.150	.068	6.99
WS-334	3.210	.061	.188	3.343	3.239	.068	8.08
WST-343	3.254	.093	.188	3.437	3.280	.103	8.03
WST-350	3.315	.111	.250	3.500	3.340	.120	9.55
WS-362	3.483	.061	.198	3.625	3.515	.068	3.82
WST-375	3.550	.111	.250	3.750	3.577	.120	10.54
WST-400	3.787	.111	.250	4.000	3.756	.120	17.20
VS-400	3.867	.039	.188	4.000	3.908	.044	2.15
VS-412	3.973	.046	.225	4.125	4.015	.052	2.15
WST-425	4.032	.111	.250	4.250	4.065	.120	28.75
WST-450	4.280	.111	.250	4.500	4.310	.120	17.29
WS-450	4.326	.061	.238	4.500	4.364	.068	8.24
WST-500	4.755	.111	.250	5.000	4.790	.120	9.23
WS-525	5.064	.072	.250	5.25	5.107	.079	12.95
VS-525	5.067	.061	.225	5.250	5.119	.067	11.94
WS-537	5.187	.072	.250	5.375	5.228	.079	14.28
WS-550	5.308	.072	.250	5.500	5.353	.079	14.84
VS-625	6.033	.061	.265	6.250	6.094	.067	9.00
WST-675	6.182	.165	.312	6.750	6.465	.174	41.99

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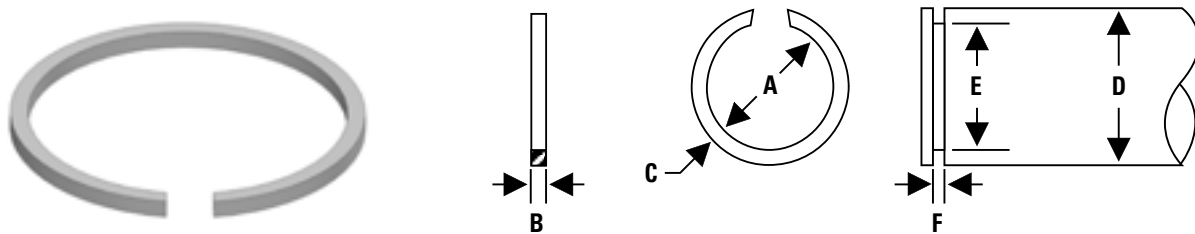
EATON NAN SERIES INTERNAL RETAINER RINGS

233



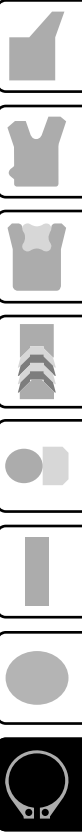
PART NUMBER	A FREE OD	B THICKNESS	C RADIAL WALL	D HOUSING DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
NAN-50	.530	.035	.040	.500	.524	.039	\$ 2.10
NAN-62	.670	.035	.048	.625	.657	.039	2.44
NAN-75	.799	.035	.048	.750	.786	.039	2.91
NAN-87	.934	.042	.062	.875	.919	.046	3.21
NAN-100	1.070	.042	.078	1.000	1.052	.046	3.38
NAN-112	1.202	.050	.093	1.125	1.181	.056	3.49
NAN-125	1.337	.050	.109	1.250	1.314	.056	3.73
NAN-137	1.472	.050	.109	1.375	1.447	.056	3.84
NAN-150	1.607	.050	.125	1.500	1.576	.056	3.92
NAN-156	1.668	.062	.125	1.562	1.642	.068	4.28

EATON XAN SERIES EXTERNAL RETAINER RINGS



PART NUMBER	A FREE ID	B THICKNESS	C RADIAL WALL	D SHAFT DIA.	E GROOVE DIA.	F GROOVE WIDTH	LIST PRICE
XAN-50	.464	.035	.048	.500	.474	.039	\$ 2.10
XAN-62	.586	.035	.062	.625	.597	.039	2.44
XAN-75	.703	.042	.062	.750	.716	.046	2.91
XAN-87	.820	.042	.078	.875	.835	.046	3.21
XAN-100	.941	.042	.093	1.000	.956	.046	3.38
XAN-112	1.060	.050	.093	1.125	1.075	.056	3.49
XAN-125	1.179	.050	.093	1.250	1.194	.056	3.73
XAN-137	1.291	.050	.109	1.375	1.390	.056	3.84
XAN-150	1.408	.050	.109	1.500	1.430	.056	3.92
XAN-275	2.594	.093	.187	2.750	2.624	.103	11.49
XAN-325	3.070	.093	.250	3.250	3.100	.103	18.61
XAN-375	3.541	.109	.250	3.750	3.576	.120	26.95

RETAINER RINGS



INCH

INTERNAL RETAINER RINGS (TRU-ARC TYPE)

RETAINER RINGS



PART NUMBER	HOUSING DIAMETER	RING O.D.	RING THICKNESS	LIST PRICE	PART NUMBER	HOUSING DIAMETER	RING O.D.	RING THICKNESS	LIST PRICE
300-025	.250	.280	.015	\$ 0.62	300-256	2.562	2.844	.093	\$ 3.85
300-045	.453	.498	.025	0.63	300-262	2.625	2.910	.093	6.20
300-050	.500	.548	.035	0.62	300-275	2.750	2.970	.093	4.19
300-062	.625	.694	.035	0.62	300-281	2.812	3.121	.093	6.88
300-075	.750	.831	.035	0.64	300-287	2.875	3.191	.093	13.05
300-087	.875	.986	.042	0.64	300-300	3.000	3.325	.093	5.15
300-090	.901	1.000	.042	0.63	300-306	3.062	3.418	.109	6.20
300-093	.938	1.040	.042	0.63	300-312	3.125	3.488	.109	7.78
300-100	1.000	1.111	.042	0.64	300-315	3.149	3.523	.109	7.78
300-102	1.023	1.136	.042	0.64	300-325	3.250	3.623	.109	8.14
300-106	1.062	1.180	.050	1.28	300-350	3.500	3.890	.109	8.14
300-112	1.125	1.249	.050	0.67	300-354	3.543	3.936	.109	8.36
300-118	1.187	1.300	.050	1.02	300-362	3.625	4.015	.109	9.21
300-125	1.250	1.388	.050	0.77	300-375	3.750	4.140	.109	9.38
300-137	1.375	1.526	.050	0.85	300-387	3.875	4.291	.109	20.56
300-143	1.438	1.596	.050	0.91	300-393	3.938	4.358	.109	9.90
300-150	1.500	1.660	.050	0.91	300-400	4.000	4.424	.109	9.90
300-156	1.562	1.734	.062	1.41	300-412	4.125	4.558	.109	11.88
300-162	1.625	1.804	.062	1.41	300-425	4.250	4.691	.109	15.39
300-165	1.755	1.835	.062	0.99	300-433	4.331	4.756	.109	11.88
300-168	1.688	1.874	.062	2.64	300-450	4.500	4.924	.109	11.88
300-175	1.750	1.942	.062	1.62	300-462	4.625	5.076	.109	13.64
300-187	1.989	2.072	.062	1.67	300-475	4.750	5.204	.109	14.83
300-193	2.056	2.141	.062	1.25	300-500	5.000	5.485	.109	15.18
300-200	2.000	2.210	.062	1.70	300-525	5.250	5.770	.125	15.36
300-206	2.062	2.280	.078	2.80	300-537	5.375	5.910	.125	31.14
300-212	2.125	2.350	.078	3.00	300-550	5.500	6.066	.125	17.81
300-225	2.250	2.490	.078	3.00	300-600	6.000	6.620	.125	27.30
300-237	2.375	2.596	.078	3.00	300-625	6.250	6.895	.156	44.19
300-244	2.440	2.702	.078	3.11	300-650	6.500	7.170	.156	45.55
300-250	2.500	2.775	.078	3.33	300-700	7.000	7.720	.156	101.34

INCH



EXTERNAL RETAINER RINGS (TRU-ARC TYPE)

235



PART NUMBER	SHAFT DIAMETER	RING ID	RING THICKNESS	LIST PRICE
310-025	.250	.225	.025	\$ 0.48
310-037	.338	.375	.025	0.48
310-050	.500	.461	.035	0.62
310-062	.625	.579	.035	0.62
310-068	.688	.635	.042	0.62
310-075	.750	.693	.042	0.62
310-081	.812	.751	.042	0.64
310-087	.875	.810	.042	0.64
310-093	.938	.867	.042	0.64
310-100	1.000	.925	.042	0.67
310-112	1.125	1.041	.050	0.91
310-118	1.188	1.098	.050	0.91
310-125	1.250	1.156	.050	0.79
310-137	1.375	1.268	.050	0.89
310-150	1.500	1.387	.050	0.96
310-162	1.625	1.503	.062	1.31
310-175	1.750	1.618	.062	1.64

PART NUMBER	SHAFT DIAMETER	RING ID	RING THICKNESS	LIST PRICE
310-175HD	1.750	1.608	.109	\$ 4.85
310-200	2.000	1.850	.062	2.53
310-212	2.125	1.964	.078	2.94
310-225	2.250	2.081	.078	2.94
310-250	2.500	2.313	.078	5.53
310-262	2.625	2.428	.078	5.56
310-275	2.750	2.543	.093	5.62
310-287	2.875	2.659	.093	5.95
310-300	3.000	2.775	.093	5.67
310-325	3.250	2.920	.093	11.19
310-350	3.500	3.237	.109	10.51
310-400	4.000	3.700	.109	20.46
310-425	4.250	3.989	.109	18.02
310-437	4.375	4.106	.109	23.02
310-450	4.500	4.223	.109	23.02
310-500	5.000	4.692	.109	20.72
310-575	5.750	5.396	.125	59.01

RSR RETAINER RINGS



PART NUMBER	I.D.	C/S	LIST PRICE
RSR-031	0.280	0.035	\$ 4.07
RSR-050	0.510	0.041	18.34
RSR-052	0.517	0.053	4.86
RSR-092	0.920	0.080	21.36
RSR-105	1.050	0.075	5.67
RSR-138	1.380	0.140	30.32
RSR-150	1.500	0.062	10.67
RSR-150A	1.610	0.062	17.39
RSR-151	1.462	0.059	18.45
RSR-152	1.450	0.093	25.04
RSR-175	1.688	0.062	22.30
RSR-175X090	1.720	0.090	14.15
RSR-200	2.125	0.074	10.92
RSR-201	1.932	0.092	25.43

PART NUMBER	I.D.	C/S	LIST PRICE
RSR-202	1.920	0.128	\$ 25.43
RSR-203	2.030	0.125	25.43
RSR-204	1.980	0.070	9.07
RSR-225	2.280	0.125	32.69
RSR-225A	2.186	0.092	20.62
RSR-225B	2.050	0.100	20.62
RSR-250	2.466	0.147	26.43
RSR-256X125	2.520	0.125	31.15
RSR-260	2.450	0.075	18.20
RSR-275	2.686	0.092	6.64
RSR-3.50X.18X.25	3.140	0.180	43.28
RSR-300	2.930	0.128	32.69
RSR-301	2.966	0.147	21.49
RSR-422	3.920	0.156	26.51

RETAINER RINGS



INCH

RETAINER RING KITS

Each kit has an assortment of retainer rings (Tru-arc, Eaton, or spiral wound style) packed in a reusable plastic box. All rings are made in the USA from carbon spring steel.

Each kit contains: 18 sizes - 9 internal, 9 external • 216 rings per box • 12 rings per size

TRU-ARC

Part Number: 300-310 Kit
List Price: \$ 128.91

PART NUMBER	QTY
300-050	12
300-062	12
300-075	12
300-087	12
300-100	12
300-112	12
300-125	12
300-137	12
300-150	12

PART NUMBER	QTY
310-050	12
310-062	12
310-075	12
310-087	12
310-100	12
310-112	12
310-125	12
310-137	12
310-150	12

SPIRAL WOUND

Part Number: SRR Kit
List Price: \$ 248.77

PART NUMBER	QTY
WHM-050	12
WHM-062	12
WHM-075	12
WHM-087	12
WHM-100	12
WHM-112	12
WHM-125	12
WHM-137	12
WHM-150	12

PART NUMBER	QTY
WSM-050	12
WSM-062	12
WSM-075	12
WSM-087	12
WSM-100	12
WSM-112	12
WSM-125	12
WSM-137	12
WSM-150	12



EATON

Part Number: ERR Kit
List Price: \$ 288.41



PART NUMBER	QTY
NAN-050	12
NAN-062	12
NAN-075	12
NAN-087	12
NAN-100	12
NAN-112	12
NAN-125	12
NAN-137	12
NAN-150	12

PART NUMBER	QTY
XAN-050	12
XAN-062	12
XAN-075	12
XAN-087	12
XAN-100	12
XAN-112	12
XAN-125	12
XAN-137	12
XAN-150	12

ROTOR PACK KIT

Part Number: RPK 4 Kit
List Price: \$ 258.54

Packaged in four plastic cases with a handy carrying case, our rotor pack kit contains approximately 50 each of 20 common internal/external retaining ring sizes. The internal rings fit housings or bores from 3/8" internal diameter to 1-1/8". External rings accommodate shaft sizes from 1/4" internal diameter to 1-1/8". Two retainer ring installation pliers are also included.



These assortments contain the most popular size retainer rings, 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
List Price: \$ 156.04

PART NUMBER	BORE SIZE	QTY
300-075	0.750	10
300-087	0.875	10
300-100	1.000	10
300-112	1.125	10
300-125	1.250	10
300-137	1.375	10
300-150	1.500	10
300-162	1.625	10
300-175	1.750	10

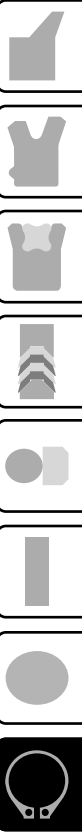
PART NUMBER	BORE SIZE	QTY
300-200	2.000	10
300-225	2.250	5
300-250	2.500	5
300-275	2.750	5
300-300	3.000	5
300-350	3.500	5
300-400	4.000	5
300-450	4.500	2
300-500	5.000	2

EXTERNAL RETAINER RINGS

Part Number: 310 Kit
List Price: \$ 75.09

PART NUMBER	SHAFT SIZE	QTY
310-100	1.000	5
310-125	1.250	5
310-137	1.375	5
310-150	1.500	5
310-175	1.750	5

PART NUMBER	SHAFT SIZE	QTY
310-200	2.000	5
310-225	2.250	5
310-250	2.500	5
310-275	2.750	3
310-300	3.000	3





HydraPak Seals manufactures all varieties of commercial and industrial rubber gaskets, high temperature gaskets, and heat resistant gaskets, as well as different types of hydraulic sealing backups from a wide variety of materials.

Common types of gaskets and gasketing include sheet or die-cut rings, squares and other configurations. In sheet or die cut gaskets, the gasket is produced from flat sheet material cut prior to assembly. In gasket stripping the gasket is cut from sheets, such as weather-stripping material, often with Pressure Sensitive Adhesive applied on one side. They are produced to customer specified lengths, widths, and thickness.

We provide flange gaskets, full face and ring gaskets, pump gaskets, cover gaskets, gasket kits, diaphragms, manhole and handhole gaskets, spiral wound gaskets, and insulator gaskets.

A list of common materials used for making gaskets is provided below. However, **HydraPak Seals, Inc. specializes in sourcing any and all kinds of non-standard gasket materials. Please call for quotations.**

SHEET MATERIALS:

- Neoprene
- Nitrile
- EPDM
- Viton®
- Silicone
- Silicone Sponge
- Neoprene Sponge
- FDA Natural Sponge
- Live Gum Rubber
- White FDA Nitrile
- Cork/Rubber Blend
- Vegetable Fiber
- Non-Asbestos Fiber
- Cloth Inserted Neoprene
- Laminated Fiberglass
- LDPE
- HDPE
- Poron
- Mil-Spec Rubber
- Sintra
- Urethane
- EMI/RFI Shielding
- PTFE
- Diaphragm Sheet
- PS
- Reb Rubber (SBR)
- and more

//// STANDARD TOOLING

ANSI Standard Pipe Flange

- 150lb and 300lb Full-Face Dies-1/2" to 24"
- 150lb and 300lb Raised-Face Dies-1/2" to 24"

Pump and Valve Cover Dies

I.D.-O.D. Ring Gasket Dies-1/2" to 10"

//// STRIP TOOLING

CUSTOM WIDTHS from 1/4" to 12" capable of stripping thicknesses up to 1/2" thick rubber or 1" thick sponge. Strip Length is limited only by the length of the roll of material.

WATER TREATMENT-FDA Natural (Kushon) Sponge strips with Pressure Sensitive Adhesive applied and hand cut to the desired dimensions for use in water filtration and treatment systems.

//// HAND FABRICATION

Custom-made, Low Volume (less than 10 pcs) gaskets in all the standard materials of almost any size and configuration are a specialty here at HydraPak Seals. Made in-house by our gasket professionals, manual fabrication is an efficient, cost-effective, timely alternative to high minimums and long lead times of our competitors.



Braided Compression Packing is used as an inexpensive, reliable sealing device for many kinds of pumps and valve stems. It makes packing glands easy to maintain. HydraPak Seals stocks the frequent-use styles described below in diameters from 1/16" to 1" thick. We can also source less common styles for more extreme conditions and media.

Graphited Synthetic Yarn/Lubricated is a dense, but flexible general purpose packing that adapts well to worn or scored shafts often found in older equipment. It provides an excellent seal against steam, brine, oil, and mild acids and alkalis. This style is suitable for applications in rotary and centrifugal pumps and some valves.

TECHNICAL INFORMATION

TEMPERATURE LIMITS	Minimum Maximum	-150°F (-100°C) 416°F (230°C)
PRESSURE LIMITS	Rotating Reciprocating Static	300 psi (20 bar) 300 psi (20 bar) 725 psi (50 bar)
SHAFT SPEED		2000 fpm (10 m/s)
pH		4-10

PART NUMBER	WEIGHT (LBS)	FEET/LB.	LIST PRICE
2255-1/8-1	1	186	\$ 49.32
2255-3/16-1	1	87.2	46.42
2255-1/4-1	1	48	43.02
2255-5/16-1	1	31	46.66
2255-3/8-1	1	21.6	38.73
2255-7/16-1	1	15.7	48.68
2255-1/2-1	1	12	40.12
2255-5/8-1	1	7.7	38.63
2255-5/8-5	5	7.7	153.62
2255-3/4-1	1	5.3	38.59
2255-3/4-5	5	5.3	167.95
2255-3/4-10	10	5.3	271.22



BRAIDED COMPRESSION PACKING

241

GASKETS

Lubricated Synthetic Yarn w/ PTFE is an excellent multi-service packing with a wide variety of uses. It handles steam, water, solvents, oils, mild acids, alkalis, and many other chemicals. White in color, it will not taint the media it seals. This style is recommended for use in centrifugal, rotary and reciprocating pumps as well as mixers, agitators, and expansion joints.

TECHNICAL INFORMATION		
TEMPERATURE LIMITS	Minimum Maximum	-150°F (-100°C) 416°F (230°C)
PRESSURE LIMITS	Rotating Reciprocating Static	300 psi (20 bar) 1160 psi (20 bar) 1450 psi (50 bar)
SHAFT SPEED		2350 fpm (10 m/s)
pH		2-12

PART NUMBER	WEIGHT (LBS)	FEET/LB.	LIST PRICE
2019-1/8-1	1	70.9	\$ 81.19
2019-3/16-1	1	41.3	79.09
2019-1/4-1	1	24	67.66
2019-5/16-1	1	17.5	64.87
2019-3/8-1	1	12.2	56.64
2019-1/2-1	1	6.8	54.61
2019-1/2-5	5	6.8	281.14
2019-5/8-1	1	4.4	59.98
2019-5/8-10	10	4.4	364.19
2019-3/4-1	1	3	44.14
2019-3/4-5	5	3	219.59

JOINT SEALANT

UHF Gasket Material is an adhesive backed, "form in place" expanded PTFE gasket material that is primarily used on heat exchangers, irregular flanges, tank lids, and hand holes. Good from -450 to +600 degrees, it is used in pressures from a full vacuum to 3000 p.s.i., is chemically inert throughout the pH range from 0 to 14, and is FDA suitable (FDA 21 CFR 177.1550).

PART NUMBER SIZES
JS-1/8" x 100'
JS-3/16" x 75'
JS-1/4" x 50'
JS-3/8" x 25'
JS-1/2" x 15'

PART NUMBER SIZES
JS-1/2" x 150'
JS-5/8" x 15'
JS-3/4" x 15'
JS-3/4" x 100'

INCH

"NYLON INSERT" LOCKING NUTS FOR USE ON CATERPILLAR® HYDRAULIC CYLINDERS

Note: Part numbers listed below are for reference only. We do not imply that these parts are original Caterpillar® replacement parts.

Heat Treated . . .

All lock nuts are manufactured from the finest quality steel and heat treated to offer superior strength for critical locking applications.

High Temperature Applications . . .

Each lock nut is made with a high temperature nylon locking insert designed to withstand excessive cylinder heat.

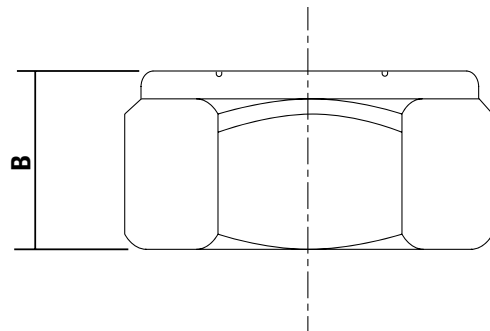
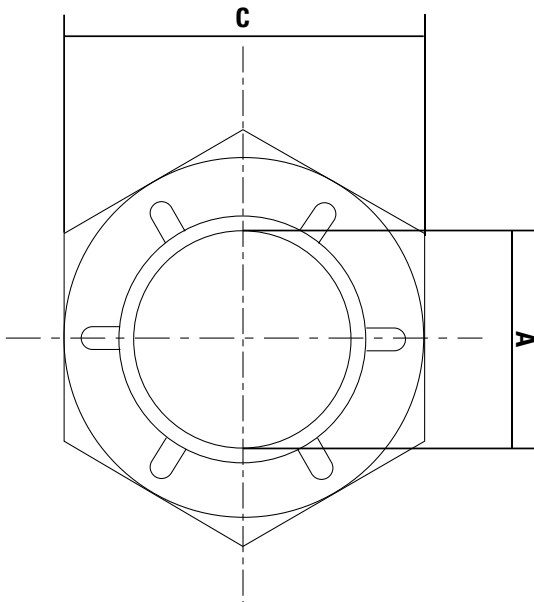
Protective Surface Finish . . .

These lock nuts have a special protective finish that will not peel or flake, thus preventing contamination during service.



PART NUMBER	NOMINAL DIMENSIONS			LIST PRICE
	A	B	C	
2J6384	1.250	1.125	2.000	\$ 30.18
2J3950	1.500	1.313	2.375	34.44
5J5731	1.750	1.437	2.500	45.99
2J3247	1.750	1.469	2.750	68.76
2J0564	2.000	1.672	3.125	87.64
3J9545	2.000	2.406	3.125	143.46
5J3488	2.250	1.938	3.500	147.74
3J6899	2.250	2.813	3.500	201.26
2J7686	2.500	2.187	4.000	199.73
3J9449	2.500	2.614	4.000	230.65
4J6888	2.750	2.187	4.000	242.13
4J8734	2.750	3.093	4.000	278.76
7J9250	3.250	3.125	4.500	298.09
9X6018	4.000	3.730	5.620	625.42
3G5022	4.500	4.125	6.500	638.08
9X6017	3.75	3.525	5.250	371.62

ALL LOCK NUTS HAVE 12 THREADS/INCH.



GRADE C LOCKNUTS

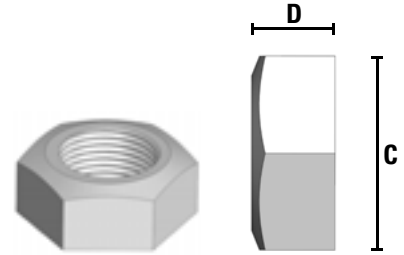
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LOCKNUTS

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.

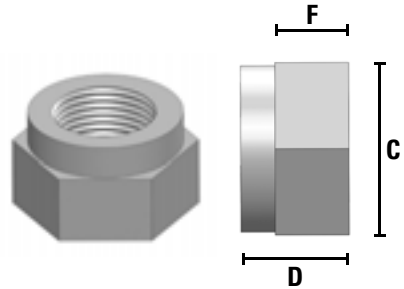
AUTOMATION STYLE

PART NUMBER	SIZE	THREAD PITCH	C - WIDTH ACROSS FLATS		D - OVERALL THICKNESS		LIST PRICE
			MAX	MIN	MAX	MIN	
LN-1/2-13	1/2	13	0.7500	0.736	0.510	0.490	\$ 1.10
LN-1/2-20	1/2	20	0.752	0.741	0.609	0.579	1.22
LN-1-14	1	14	1.5020	1.450	0.887	0.831	7.42
LN-3/4-16	3/4	16	1.1250	1.088	0.665	0.617	4.45
LN-5/8-18	5/8	18	0.9375	0.922	0.645	0.621	2.14
LN-7/8-14	7/8	14	1.3145	1.269	0.922	0.724	4.82



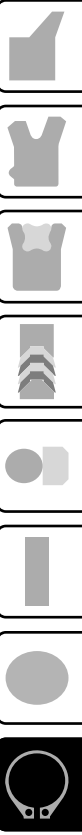
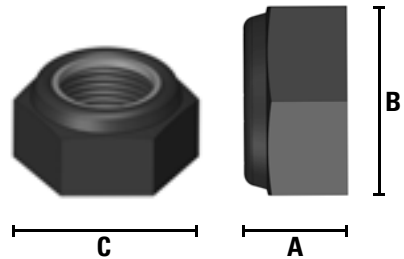
FULL COLLAR STYLE

PART NUMBER	SIZE	THREAD PITCH	C - WIDTH ACROSS FLATS		D - OVERALL THICKNESS		F - HEX HEIGHT		LIST PRICE
			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	\$ 39.36
LN-1-1/4-12	1-1/4	12	1.876	1.812	1.094	1.030	0.719	0.698	23.75
LN-1-1/8-12	1-1/8	12	1.687	1.631	0.999	0.939	0.657	0.636	19.24
LN-1-3/4-12	1-3/4	12	2.625	2.538	1.540	1.460	1.012	0.989	72.18
LN-1-3/8-12	1-3/8	12	2.062	1.994	1.206	1.138	0.795	0.771	23.91
LN-2-12	2	12	3.000	2.900	1.763	1.675	1.158	1.134	159.94
LN-2-1/2-12	2-1/2	12	3.750	3.625	2.193	2.089	1.930	1.840	193.38



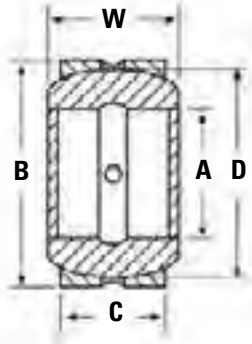
NYLON INSERT LOCKNUT

PART NUMBER	BAR SIZE	A	B	C	LIST PRICE
CM-LN45050	1/2"-20	0.60	0.75	0.84	\$ 3.94
CM-LN45062	5/8"-18	0.75	0.94	1.06	4.70
CM-LN45075	3/4"-16	0.88	1.06	1.19	33.87
CM-LN45087	7/8"-14	1.00	1.25	1.40	9.44
CM-LN45100	1"-14	1.06	1.44	1.62	12.79
CM-LN45101	1"-14	0.88	1.62	1.83	15.23
CM-LN45112	1-1/8"-12	1.19	1.62	1.83	29.04
CM-LN45126	1-1/4"-12	1.38	1.81	2.06	20.41
CM-LN45151	1-1/2"-12	1.62	2.19	2.44	26.81
CM-LN45152	1-1/2"-12	0.81	2.19	2.44	21.05
CM-LN45175	1-3/4"-12	1.50	2.75	3.06	51.59
CM-LN45200	2"-12	1.62	3.12	3.50	55.07
CM-LN45225	2-1/4"-12	1.94	3.50	3.94	117.27
CM-LN45226	2-1/4"-12	2.81	3.50	3.94	160.57
CM-LN45250	2-1/2"-12	2.25	4.00	4.60	254.27



INCH



[SEAL INFORMATION]**GE****MATERIAL**CARBON
CHROMIUM STEEL

Suffix:

2RS = Sealed Bearings

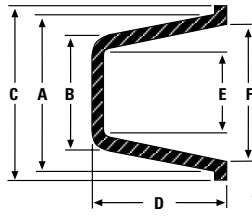
PART NUMBER	A	B	W	C	D	LIST PRICE
GE008ES	1/2	0.875	0.437	0.375	0.709	\$ 13.50
GE010ES	5/8	1.062	0.547	0.469	0.899	14.85
GE012ES	3/4	1.250	0.656	0.562	1.083	13.96
GE014ES	7/8	1.438	0.765	0.656	1.260	12.59
GE100ES	1	1.625	0.875	0.750	1.417	12.15
GE104ES	1-1/4	2.000	1.093	0.937	1.772	17.54
GE106ES	1-3/8	2.187	1.187	1.031	1.929	26.54
GE108ES	1-1/2	2.438	1/312	1/125	2.165	22.95
GE108ES2RS	1-1/2	2.438	1.312	1.125	2.165	30.59
GE112ES	1-3/4	2.812	1.531	1.312	2.520	31.50
GE112ES2RS	1-3/4	2.812	1.531	1.312	2.520	39.59
GE200ES	2	3.187	1.750	1.500	2.874	42.74
GE200ES2RS	2	3.187	1.750	1.500	2.874	51.29
GE204ES	2-1/4	3.562	1.969	1.687	3.228	58.49
GE204ES2RS	2-1/4	3.562	1.969	1.687	3.228	76.50
GE208ES	2-1/2	3.937	2.187	1.875	3.583	79.20
GE208ES2RS	2-1/2	3.937	2.187	1.875	3.583	99.00
GE212ES	2-3/4	4.375	2.406	2.062	3.937	92.99
GE212ES2RS	2-3/4	4.375	2.406	2.062	3.937	115.19
GE300ES	3	4.750	2.625	2.250	4.331	139.49
GE300ES2RS	3	4.750	2.625	2.250	4.331	159.29
GE304ES	3-1/4	5.125	2.844	2.437	4.685	177.29
GE308ES	3-1/2	5.500	3.062	2.625	5.039	247.48
GE308ES2RS	3-1/2	5.500	3.062	2.625	5.039	274.48
GE312ES	3-3/4	5.875	3.281	2.812	5.394	267.28
GE400ES	4	6.250	3.500	3.000	5.748	360.87
GE400ES2RS	4	6.250	3.500	3.000	5.748	400.47
GE408ES	4-1/2	7.000	3.937	3.375	6.457	472.46
GE500ES	5	7.750	4.375	3.750	7.205	602.96
GE600ES	6	8.750	4.750	4.125	8.150	674.53

PLASTIC CAP PLUGS

MISCELLANEOUS



**Tapered Caps & Plugs
For Misc. Applications**



This style cap plug is equipped with a handy fold-down pull ring.



Tapered Caps & Plugs With Pull Ring

PART NUMBER	A	B	C	D	E	F	MIN PKG	LIST PRICE
CAP-00	.180	.115	5/16	13/32	.051	.118	52	\$ 0.23
CAP-0	.240	.175	3/8	3/8	.109	.175	20	0.36
CAP-1	.302	.240	15/32	3/8	.175	.240	30	0.24
CAP-1-X	.335	.265	15/32	3/8	.240	.275	30	0.24
CAP-2	.365	.300	17/32	3/8	.234	.301	30	0.24
CAP-3	.428	.360	19/32	3/8	.299	.365	36	0.21
CAP-3-X	.460	.390	5/8	3/8	.325	.396	30	0.24
CAP-4-X	.512	.447	5/8	3/8	.385	.448	150	0.05
CAP-5	.547	.490	23/32	1/2	.409	.485	150	0.05
CAP-5-X	.568	.500	3/4	7/16	.435	.503	130	0.06
CAP-6	.620	.531	3/4	1/2	.468	.555	130	0.05
CAP-7	.675	.590	7/8	17/32	.520	.605	120	0.06
CAP-7-X	.695	.610	27/32	1/5	.549	.634	80	0.08
CAP-8	.728	.641	7/8	1/2	.8	.665	130	0.06
CAP-8-X	.754	.675	7/8	5/8	.615	.690	120	0.06
CAP-9-X	.925	.725	1	3/4	.662	.760	120	0.06
CAP-10	.848	.750	1-1/32	5/8	.686	.785	110	0.06
CAP-11	.910	.802	1-3/32	3/4	.740	.846	10	0.17
CAP-11-X	.931	.820	1-1/8	5/8	.754	.868	100	0.06
CAP-13	1.091	.966	1-1/4	3/4	.902	1.025	80	0.17
CAP-13-X	1.145	1.002	1-5/16	3/4	.938	1.079	70	0.08
CAP-14-X	1.285	1.180	1-7/16	3/4	1.105	1.215	25	0.58
CAP-15	1.350	1.225	1-1/2	3/4	1.160	1.295	30	0.41
CAP-18	1.680	1.560	1-7/8	3/4	1.497	1.620	50	0.16
CAP-20	1.958	1.806	2-1/8	1	1.745	1.893	25	0.61
CAP-21	2.078	1.902	2-1/4	1	1.839	2.015	30	0.25
CAP-38	1.045	.980	1-1/4	1/2	.916	.984	25	0.24
CAP-220	2.132	1.980	2-1/4	1	1.915	2.068	30	0.25
CAP-230	2.330	2.156	2-5/8	1	2.094	2.264	20	0.72
CAP-240	2.465	2.300	2-5/8	1	2.235	2.400	24	0.33
CAP-250	2.605	2.395	2-5/8	1	2.331	2.541	20	0.36

Tapered Caps & Plugs For NPT Style Ports

PART NUMBER	NPT PORT SIZE	O.D. SIZE TAPERED	HT	MIN STD PKG	LIST PRICE
CAP-2-X	1/8	.330/.396	3/8	50	\$ 0.08
CAP-4	1/4	.419/.485	3/8	50	0.08
CAP-6-X	3/8	.550/.631	7/16	50	0.12
CAP-9	1/2	.690/.788	9/16	50	0.12
CAP-12	3/4	.870/.475	5/8	120	0.06
CAP-12-X	3/4	.915/1.040	11/16	25	0.20
CAP-14	1	1.094/1.215	3/4	25	0.20
CAP-15	1	1.225/1.355	3/4	3	0.37
CAP-15-X	1	1.235/1.350	3/4	25	0.23
CAP-17	1-1/4	1.450/1.600	3/4	60	0.12
CAP-17-S	1-1/4	1.513/1.600	1/2	25	0.23
CAP-19	1-1/2	1.735/1.870	3/4	25	0.37
CAP-20-S	1-1/2	1.781/1.805	3/8	25	0.23
CAP-24-S	2	2.230/2.260	1/2	20	0.29

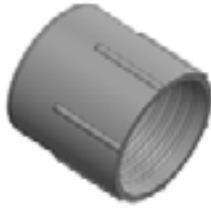
PART NUMBER	NPT PORT SIZE	OD SIZE TAPERED	HT	MIN STD PKG	LIST PRICE
CAP-PR-9	1/8	.337/.375	1/4	50	\$ 0.12
CAP-PR-12	1/4	.436/.475	1/4	50	0.32
CAP-PR-17	3/8	.552/.615	3/8	50	0.17
CAP-PR-22	1/2	.668/.767	1/2	40	0.20
CAP-PR-27X	3/4	.878/.977	1/2	40	0.23
CAP-PR-32	1	1.113/1.212	1/2	25	0.25
CAP-PR-39	1-1/4	1.505/1.580	1/2	25	0.33
CAP-PR-43	1-1/2	1.780/1.860	1/2	20	0.38
CAP-PR-50	2	2.226/2.258	1/2	20	0.46

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			



INCH



**Female Threaded Cap Plugs
for J.I.C. Fittings**

PART NUMBER	STD THREAD SIZE	O.D. SIZE TUBE	DASH SIZE	MIN STD PKG	LIST PRICE
CAP-G-2	7/16-20	1/4	#4	20	\$ 0.20
CAP-G-8	9/16-18	3/8	#6	20	0.20
CAP-G-14	3/4-16	1/2	#8	20	0.23
CAP-G-18	7/8-14	5/8	#10	20	0.23
CAP-G-20	7/8-18	5/8	#10	20	0.51
CAP-G-22	1-1/16-12	3/4	#12	20	0.29
CAP-G-25	1-3/16-12	7/8	#14	20	0.33
CAP-G-27	1-5/16-12	1	#16	20	0.33



Male Threaded Pipe Plugs (Sq. Top)

PART NUMBER	NPT PORT SIZE	THREAD SIZE	MIN STD PKG	LIST PRICE
CAP-P-18	1/8	0.364	25	\$ 0.12
CAP-P-28	1/4	0.477	25	0.20
CAP-P-38	3/8	0.612	25	0.23
CAP-P-48	1/2	0.758	25	0.23
CAP-P-68-H	3/4	0.968	25	0.25
CAP-P-88-H	1	1.214	20	1.04
CAP-TP-13	1-1/4	1.557	5	1.80
CAP-TP-15	1-1/2	1.796	5	1.80



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	LIST PRICE
CAP-OR-4	9/16-18	35	\$ 0.21
CAP-OR-6	11/16-16	25	0.23
CAP-OR-8	13/16-16	25	0.25
CAP-OR-10	1-14	25	0.32
CAP-OR-12	1-3/16-12	25	0.35
CAP-OR-16	1-7/16-12	15	0.51
CAP-OR-20	1-11/16-12	10	1.29



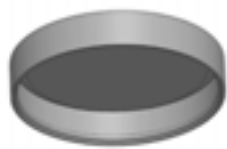
**Male Threaded Cap Plugs
for Flared J.I.C. Fittings**

PART NUMBER	STD THREAD SIZE	O.D. SIZE TUBE	DASH SIZE	MIN STD PKG	LIST PRICE
CAP-PD-40	7/16-20	1/4	#4	25	\$ 0.35
CAP-PD-50	1/2-20	5/16	#5	25	0.35
CAP-PD-60	9/16-18	3/8	#6	25	0.20
CAP-PD-80	3/4-16	1/2	#8	25	0.20
CAP-PD-100	7/8-14	5/8	#10	25	0.23
CAP-PD-120	1-1/16-12	3/4	#12	25	0.23
CAP-PD-140	1-3/16-12	7/8	#14	20	0.45
CAP-PD-160	1-5/16-12	1	#16	20	0.36
CAP-PD-200	1-5/8-12	1-1/4	#20	15	0.44
CAP-PD-220	1-3/4-12	1-3/8	#22	10	1.11
CAP-PD-240	1-7/8-12	1-1/2	#24	10	0.99



Flat Face Fitting Caps

PART NUMBER	TUBE SIZE O.D.	THREAD SIZE	MIN STD PKG	LIST PRICE
CAP-PDF-40	1/4	9/16-18	25	\$ 0.32
CAP-PDF-60	3/8	11/16-16	25	0.29
CAP-PDF-80	1/2	13/16-16	25	0.32
CAP-PDF-100	5/8	1-14	20	0.35
CAP-PDF-120	3/4	1-3/16-12	20	0.42
CAP-PDF-160	1	1-7/16-12	10	1.87



Split Flange Face Plugs

These low density polyethylene plugs protect the faces of split flange connectors.

PART NUMBER	FLANGE SIZE	CAP SIZE	MIN STD PKG	LIST PRICE
CAP-SF-8	1/2	1.19	50	\$ 0.12
CAP-SF-10	5/8	1.35	50	0.16
CAP-SF-12	3/4	1.50	50	0.17
CAP-SF-16	1	1.75	35	0.20
CAP-SF-20	1-1/4	2.00	35	0.21
CAP-SF-24	1-1/2	2.38	25	0.33
CAP-SF-32	2	2.81	15	0.45
CAP-SF-40	2-1/2	3.31	15	0.62



Bolted Split Flange Protectors

3,000 PSI FLANGES
SAE CODE 61

PART NUMBER	PORT SIZE	MIN STD PKG	LIST PRICE
CAP-8218	1/2	10	\$ 1.35
CAP-8219	3/4	10	1.37
CAP-8220	1	10	1.47
CAP-8221	1-1/4	10	1.56
CAP-8222	1-1/2	10	1.65
CAP-8223	2	10	1.82
CAP-8224	2-1/2	10	1.82

5,000 PSI Flanges
SAE Code 62

CAP-XP-075	3/4	10	\$ 1.37
CAP-XP-100	1	10	1.47
CAP-XP-125	1-1/4	10	1.56
CAP-XP-150	1-1/2	10	1.65
CAP-XP-200	2	10	1.82



Low density polyethylene cap plug for use with standard grease fittings.

PART NUMBER	DESCRIPTION	LIST PRICE
CAP-GF-10	Cap Plug	\$ 0.17

CAP PLUG KIT

Part Number: Cap Plug Kit
List Price: \$ 183.31

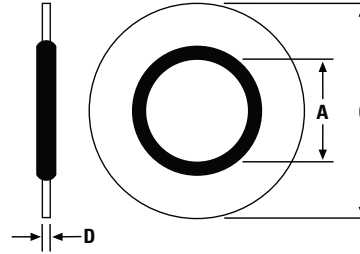


This sturdy kit, packaged in an unbreakable box, contains 553 cap plugs in the most popular sizes.

CAP PLUG NUMBER	QTY
CAP-2-X	50
CAP-4	50
CAP-6-X	50
CAP-9	40
CAP-12-X	25
CAP-14	20
CAP-PD-60	25
CAP-PD-80	25
CAP-PD-100	15
CAP-PD-120	10
CAP-PD-140	5
CAP-PD-160	10

CAP PLUG NUMBER	QTY
CAP-G-2	20
CAP-G-8	20
CAP-G-14	20
CAP-G-18	20
CAP-G-22	10
CAP-G-25	12
CAP-G-27	16
CAP-P-28	25
CAP-P-38	25
CAP-P-48	25
CAP-P-68-H	25
CAP-P-88-H	10





MISCELLANEOUS

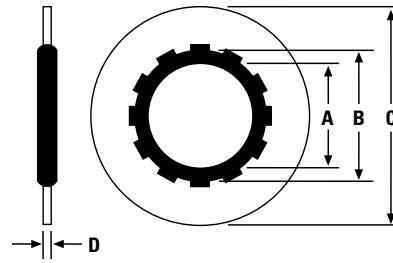
PART NUMBER	A	C	D	LIST PRICE
400-001	.115	.250	.048	\$ 1.31
400-002	.157	.286	.048	1.31
400-003	.205	.330	.051	1.02
400-004	.270	.520	.051	1.02
400-005	.270	.525	.048	1.45
400-006	.322	.525	.048	1.45
400-007	.340	.560	.051	1.04
400-020A	.408	.625	.083	1.09
400-008	.443	.723	.083	1.09
400-009	.460	.750	.083	1.12
400-225	.531	.866	.059	1.15
400-021B	.541	.810	.083	1.12
400-010	.585	.875	.083	1.20
400-022BB	.625	.875	.083	1.23
400-011	.650	1.000	.083	1.25
400-023C	.680	.937	.083	1.27
400-012	.715	1.000	.097	1.27
400-024CC	.775	1.060	.097	1.41
400-025D	.848	1.125	.097	1.56
400-026E	.925	1.250	.097	1.74
400-013	.955	1.310	.097	3.03
400-027F	1.065	1.375	.097	2.10
400-240	1.083	1.417	.07	2.14
400-028	1.095	1.520	.097	2.73
400-014	1.150	1.440	.092	2.98
400-029G	1.213	1.500	.097	3.17
400-015	1.280	1.630	.128	3.40
400-031	1.329	1.685	.092	3.76
400-030H	1.334	1.685	.133	3.20
400-016	1.410	1.750	.133	7.34
400-032J	1.690	2.062	.133	6.15
400-033K	1.907	2.307	.103	7.11
400-019	2.030	2.500	.128	11.16
400-034	2.161	2.750	.133	12.02
400-036	2.385	2.875	.133	10.06
400-038	2.625	3.130	.133	16.11
400-039	2.995	3.550	.133	18.06

INCH



600 FACE SEALS

249



PART NUMBER	MAX SCREW SIZE	A RUBBER I.D.	B STEEL I.D.	C STEEL O.D.	D STEEL THICK.	LIST PRICE
600-6	.120	.130	.180	.385	.040	\$ 1.28
600-8	.164	.184	.234	.366	.041	1.17
600-10	.177	.197	.247	.438	.050	1.63
600-3/16	.190	.220	.281	.425	.054	3.40
600-7/32	.216	.246	.307	.455	.054	1.88
600-1/4	.250	.280	.341	.519	.054	1.88
600-5/16	.312	.342	.403	.597	.054	1.88
600-3/8	.375	.405	.466	.690	.054	1.88
600-7/16	.437	.467	.538	.769	.075	4.83
600-1/2	.500	.540	.601	.878	.075	5.36
600-9/16	.562	.602	.663	.972	.075	5.36
600-5/8	.625	.665	.726	1.065	.075	6.55
600-3/4	.750	.740	.895	1.322	0.64	6.28
600-7/8	.875	.864	1.018	1.510	.064	7.42

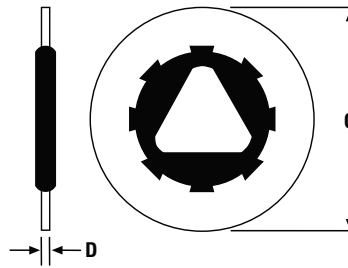
MISCELLANEOUS



INCH

THREAD SEAL

Thread seals, self-centering and easily installed, provide a positive seal directly against the threads of a bolt.



MISCELLANEOUS

PART NUMBER	C	D	THREAD SIZE	LIST PRICE
7500X6	.406	.051	-6	\$ 2.19
7500X8	.406	.051	-8	2.44
7500X10	.469	.051	-10	2.44
7500X1/4	.562	.051	1/4	2.44
7500X5/16	.687	.064	5/16	3.03
7500X3/8	.750	.064	3/8	3.15
7500X7/16	.906	.078	7/16	4.42
7500X1/2	1.000	.078	1/2	4.42
7500X9/16	1.094	.094	9/16	4.67

PART NUMBER	C	D	THREAD SIZE	LIST PRICE
7500X5/8	1.187	.094	5/8	\$ 4.77
7500X3/4	1.375	.109	3/4	5.45
7500X7/8	1.562	.109	7/8	15.96
7500X1	1.750	.120	1	15.08
7500X1-1/8	1.875	.120	1-1/8	22.92
7500X1-1/4	2.000	.120	1-1/4	30.33
7500X1-3/8	2.125	.120	1-3/8	31.72
7500X1-1/2	2.250	.120	1-1/2	33.00

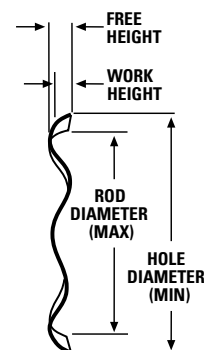
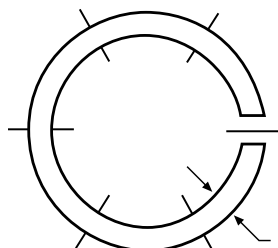
INCH



WAVE SPRINGS

251

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 through the life of the packing.



PART NUMBER	HOLE DIAMETER (MIN)	ROD DIAMETER (MAX)	FREE HEIGHT	WORK HEIGHT	RADIAL WALL	LIST PRICE
SSR-0125	1.250	.960	.150	.078	.133	\$ 3.92
SSR-0150	1.500	1.170	.170	.078	.143	5.13
SSR-0175	1.750	1.440	.140	.078	.143	5.13
SSR-0187	1.875	1.560	.150	.078	.143	4.16
SSR-0200	2.000	1.680	.140	.093	.150	4.53
SSR-0225	2.250	1.930	.170	.093	.150	4.78
SSR-0237	2.375	1.990	.160	.093	.178	4.93
SSR-0250	2.500	2.120	.170	.093	.178	5.20
SSR-0262	2.625	2.240	.190	.093	.178	6.44
SSR-0275	2.750	2.340	.170	.109	.188	5.71
SSR-0300	3.000	2.590	.190	.109	.188	6.12
SSR-0312	3.120	2.710	.210	.109	.188	6.05
SSR-0325	3.250	2.750	.200	.109	.233	6.56
SSR-0350	3.500	3.000	.230	.109	.233	12.04
SSR-0362	3.625	3.120	.240	.109	.233	12.30
SSR-0375	3.750	3.250	.260	.109	.233	7.68
SSR-0425	4.250	3.740	.210	.109	.233	24.27
SSR-0462	4.625	4.125	.230	.109	.233	9.47
SSR-0512	5.125	4.610	.340	.125	.233	33.97

MISCELLANEOUS



INCH





PART NUMBER	DESCRIPTION	LIST PRICE
LW-135-950	Wire Retainer	\$ 9.67
LW-091-650	LW-STL6-1/2x0.091round-cs	3.80
LW-093-1262	5-7/16X3/32	17.10
LW-12-25-737	7-3/8X1/4	19.87
LW-12-25-800	8X1/8X1/4	30.01
LW-12-25-918	9.187X.125X.250	31.62
LW-12-25-975	LW-STL9.75x0.125sq.-C/S	40.91
LW-2.87X.12X.25	2-7/8X1/8X1/4	30.17
LW-3.06X.092	3.06X.092	50.86
LW-3.31X.092	3.31 OD x .092	46.06
LW-737X.092	2-9/16ODX.092SQ	28.70
LW-9.50X.092	Lock Wire	37.93

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	LIST PRICE
NYPLUG-125-125	1/8	1/8	\$ 0.59
NYPLUG-125-156	1/8	5/32	0.59
NYPLUG-125-875	1/8	7/8	0.44
NYPLUG-187-109	3/16	7/64	0.44
NYPLUG-187-187	3/16	3/16	0.59
NYPLUG-187-250	3/16	1/4	0.61
NYPLUG-250-075	1/4	0.07	0.77
NYPLUG-250-125	1/4	1/8	0.59
NYPLUG-250-187	1/4	3/16	0.59
NYPLUG-250-250	1/4	1/4	0.49
NYPLUG-312-125	5/16	1/8	0.59
NYPLUG-312-250	3/16	1/4	1.79
NYPLUG-312-312	5/16	5/16	1.76
NYPLUG-375-250	3/8	1/4	0.59
NYPLUG-500-875-125H	1/2	7/8	4.38

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.

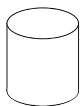


PART NUMBER	THREAD SIZE	LENGTH	LIST PRICE
SS-1/4-20X1/2	1/4-20	1/2	\$ 0.96
SS-1/4-20X3/8	1/4-20	3/8	1.13
SS-1/4-28X1/4	1/4-28	1/4	0.91
SS-1/4-28X3/8	1/4-28	3/8	0.91
SS-5/16-18X1/4	5/16-18	1/4	0.91
SS-5/16-18X3/8	5/16-18	3/4	0.91
SS-5/16-18X3/4	5/16-18	3/8	1.23
SS-5/16-24X5/16	5/16-24	3/8	0.39
SS-5/16-24X3/8	5/16-24	5/16	1.23
SS-3/8-16X3/8	3/8-16	3/8	0.69
SS-3/8-16X1/2	3/8-16	7/8	0.96
SS-3/8-16X5/8	3/8-16	1/2	1.19
SS-3/8-16X7/8	3/8-16	5/8	1.36
SS-1/2-13X1/2	1/2-13	1/2	1.60
SS-1/2-13X5/8	1/2-13	5/8	1.86
SS-#8-32X1/4	#8-32	1/4	2.16
SS-#10-24X1/4	#10-24	1/4	0.91

NYLON PLUG KIT

Part Number: Nylon Plug Kit
List Price: \$ 124.62



	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.
220 Pieces 11 Sizes				



PART NUMBER	THREAD SIZE	LIST PRICE
WH705	1/8 NPT	\$ 4.84
A2688	1/8 NPT	4.84



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	LIST PRICE
FV-125	1/8	\$ 4.26
FV-250	1/4	5.77
FV-375	3/8	6.97
FV-500	1/2	8.38
FV-750	3/4	12.89
FV-1.000	1	15.43

O-RING LUBRICANT

O-Lube is a petroleum grease used to aid seal installation. The Super O-Lube is a silicone base lubricant for plastics and rubber. These lubes work well in most sealing service within a -20° to +300° F temperature range.



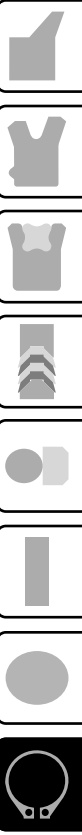
PART NUMBER	PACKAGE SIZE	LIST PRICE
O-RING LUBE	2 oz tube (petroleum)	\$ 11.27
SUPER O-RING LUBE	2 oz tube (silicone)	27.26

TEFLON TAPE

Part Number: Teflon Tape
List Price: \$ 2.33



1/2" Wide by 520" Roll





PART NUMBER	APPLICATION	LIST PRICE	PART NUMBER	APPLICATION	LIST PRICE
LOCTITE-20029	Super Lube w/Teflon	\$ 8.98	LOCTITE-1527514	Thread Sealant w/Tef 16 oz can	\$ 22.18
LOCTITE-21937	Super Glue Dispenser	6.89	LOCTITE-37127	PST 561 Pipe Sealant Stick 19 gm	18.00
LOCTITE-22221	Th.Lkr Low Strgth/Sm Screws 10 ml bottle	18.79	LOCTITE-37229	C5A Copper Anti-Seize Stick 20 mg	8.05
LOCTITE-24078	Threadlocker Medium 50 ml bottle	57.34	LOCTITE-37230	Silver Grade Anti-Seize Stick 20 gm	8.05
LOCTITE-24205	Removable Threadlocker 0.5 ml bottle	2.56	LOCTITE-37684	248 Medium Strength Stick 9gm	19.10
LOCTITE-24221	Removable Threadlocker 10 ml bottle	18.79	LOCTITE-37685	268 High Strength Stick 9gm	19.10
LOCTITE-1329467	Threadlocker 243 Med Strength 50 ml	49.76	LOCTITE-38402	7649 Primer N (1.75 oz bottle)	25.09
LOCTITE-26221	Lock Studs Threadlocker 10 ml bottle	18.79	LOCTITE-39916	Urethane Sealant 10.2 oz cartridge	16.47
LOCTITE-26231	Lock Studs Threadlocker 50 ml bottle	52.25	LOCTITE-40140	Prism 401 Surface Adhesive 20gm bottle	28.69
LOCTITE-1330585	High Strength Threadlocker 263 50 ml bottle	51.91	LOCTITE-46551	404 Quick Set Instant Adhesive 1/3 oz	31.68
LOCTITE-26772	266 Th.Lckr Med to High Strength 10 ml	21.86	LOCTITE-49550	Super Glue Instant Adhesive 1oz bottle	28.22
LOCTITE-27741	277 Th.Lckr 250 ml H strength LRG fasten	155.25	LOCTITE-51221	Penetrating Oil 12 oz Aerosol	9.23
LOCTITE-28654	Form-A-Thread Repair Kit	21.51	LOCTITE-51831	50 ml Tube Gasketing Adhesive Sealant	24.53
LOCTITE-29021	Penetrating Threadlocker 10 ml bottle	18.79	LOCTITE-54531	Hyd/Pneum Thread Sealant 50 ml tube	52.02
LOCTITE-29031	Penetrating Threadlocker 50 ml bottle	52.25	LOCTITE-56747	Hi-temp Loctite Thread Sealant	27.19
LOCTITE-30515	Form-A-Gasket #2 7 oz tube	12.95	LOCTITE-56931	Thread Sealant, Hydraulic Sealant 50ml	52.02
LOCTITE-30525	Hi-Tack Gasket Sealant 16 oz can	20.82	LOCTITE-60921	Retaining Compound gen. purpose 50ml	18.79
LOCTITE-30526	Hi-Tack Gasket Threadlocker 50 ml bottle	13.08	LOCTITE-60931	Retaining Compound 50 ml bottle	52.25
LOCTITE-30527	Belt Dressing 12 oz Aerosol	6.89	LOCTITE-76764	Anti Seize Lubricant 16 oz brush can	29.16
LOCTITE-30534	Thread Sealant w/Tef 4 oz can	9.09	LOCTITE-79040	Gasket Remover 18 oz Aerosol	20.97
LOCTITE-30543	White Lithium Grease 10.75 oz Aerosol	8.62	LOCTITE-80725	Plastic Pipe Sealant 2 oz tube	7.26
LOCTITE-30544	All-Purpose Spray Adhesive 10.5 Aerosol	10.67	LOCTITE-82244	Natural Blue Cleaner & Degreaser 4 oz	4.28
LOCTITE-30548	Pro Strength Parts Cleaner 19 oz	9.67	LOCTITE-82249	Natural Blue Cleaner & Degreaser 24 oz	14.82
LOCTITE-30560	Blue RTVSiliconeAdh. 80 ml tube, carded	7.15	LOCTITE-82251	Natural Blue Degreaser 1 gal bottle	62.22

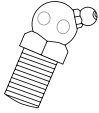
GREASE FITTING KIT

COTTER PINS

255

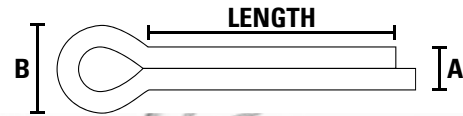
Part Number: Grease Fitting Kit
List Price: \$ 64.81



	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.

32 Pieces

PART NUMBER	DESCRIPTION	LIST PRICE
GF-125NPTS	1/8" NPT STRAIGHT	\$ 0.81
GF-125NPT45	1/8" NPT 45°	1.62
GF-125NPT90	1/8" NPT 90°	1.62
GF-187DS	3/16" DRIVE STRAIGHT	0.72
GF-250-28S	1/4"-28 STRAIGHT	0.56
GF-250-28-45	1/4"-28 45°	1.44
GF-250-28-90	1/4"-28 90°	1.44
GF-312DS	5/16" DRIVE STRAIGHT	0.92

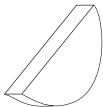


PART NUMBER	LENGTH	A	B	LIST PRICE
CP-1X3/32	1	.082	3/16	\$ 0.39
CP-1-1/4X1/8	1-1/4	.115	1/4	0.34
CP-1-1/2X5/32	1-1/2	.150	5/16	0.57
CP-1-3/4X3/16	1-3/4	3/16	.390	0.42
CP-2X3/16	2	.176	3/8	0.51
CP-2X1/4	2	.225	1/2	0.58
CP-2-1/2X5/32	2-1/2	5/32	.357	0.66
CP-2-1/2X1/8	2-1/2	.115	1/4	0.69
CP-2-1/2X3/16	2-1/2	.176	3/8	0.75
CP-2-1/2X1/4	2-1/2	.225	1/2	1.25
CP-3X5/32	3	.150	5/16	0.74
CP-3X1/4	3	1/4	.520	1.33
CP-3-1/2X1/4	3-1/2	.225	1/2	1.53
CP-4X1/4	4	.225	1/2	1.59
CP-5X1/4	5	.225	1/2	2.56
CP-6X5/16	6	.280	5/8	4.87

WOODRUFF KEY KIT

Part Number: Woodruff Key Kit
List Price: \$ 72.51

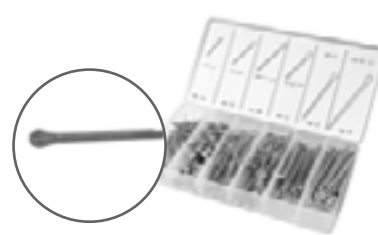



	1/8" X 1/2" No. 3 18 pcs.	1/8" X 5/8" No. 5 12 pcs.
	3/32" X 5/8" No. 6 12 pcs.	3/16" X 3/4" No. 9 12 pcs.
	1/4" X 7/8" No. A 10 pcs.	1/4" X 1" No. 15 8 pcs.

72 Pieces

COTTER PIN KIT

Part Number: Cotter Pin Kit
List Price: \$ 32.49



	1/16" X 1" 150 pcs.	3/32" X 1" 150 pcs.
	3/32" X 1-1/2" 100 pcs.	1/8" X 1-1/4" 75 pcs.
	1/8" X 2" 50 pcs.	5/32" X 2-1/2" 30 pcs.

555 Pieces

MISCELLANEOUS



INCH



METRIC / INCH CONVERSION TABLE

MISCELLANEOUS

FRACTIONS, DECIMALS AND MILLIMETERS

INCHES			INCHES			INCHES			INCHES		
Fractions	Decimals	M M	Fractions	Decimals	M M	Fractions	Decimals	M M	Fractions	Decimals	M M
—	.0004	.01	25/32	.781	19.844	—	2.165	55.0	3-11/16	3.6875	93.663
—	.004	.10	—	.7874	20.0	2-3/16	2.1875	55.563	—	3.7008	94.0
—	.01	.25	51/64	.797	20.241	—	2.2047	56.0	3-23/32	3.719	94.456
1/64	.0156	.397	13/16	.8125	20.638	2-7/32	2.219	56.356	—	3.7401	95.0
—	.0197	.50	—	.8268	21.0	—	2.244	57.0	3-3/4	3.750	95.250
—	.0295	.75	53/64	.828	21.034	2-1/4	2.250	57.150	—	3.7795	96.0
1/32	.03125	.794	27/32	.844	21.431	2-9/32	2.281	57.944	3-25/32	3.781	96.044
—	.0394	1.0	55/64	.859	21.828	—	2.2835	58.0	3-13/16	3.8125	96.838
3/64	.0469	1.191	—	.8661	22.0	2-5/16	2.312	58.738	—	3.8189	97.0
—	.059	1.5	7/8	.875	22.225	—	2.3228	59.0	3-27/32	3.844	97.631
1/16	.062	1.588	57/64	.8906	22.622	2-11/32	2.344	59.531	—	3.8583	98.0
5/64	.0781	1.984	—	.9055	23.0	—	2.3622	60.0	3-7/8	3.875	98.425
—	.0787	2.0	29/32	.9062	23.019	2-3/8	2.375	60.325	—	3.8976	99.0
3/32	.094	2.381	59/64	.922	23.416	—	2.4016	61.0	3-29/32	3.9062	99.219
—	.0984	2.5	15/16	.9375	23.813	2-13/32	2.406	61.119	—	3.9370	100.0
7/64	.109	2.778	—	.9449	24.0	2-7/16	2.438	61.913	3-15/16	3.9375	100.013
—	.1181	3.0	61/64	.953	24.209	—	2.4409	62.0	3-31/32	3.969	100.806
1/8	.125	3.175	31/32	.969	24.606	2-15/32	2.469	62.706	—	3.9764	101.0
—	.1378	3.5	—	.9843	25.0	—	2.4803	63.0	4	4.000	101.600
9/64	.141	3.572	63/64	.9844	25.003	2-1/2	2.500	63.500	4-1/16	4.062	103.188
5/32	.156	3.969	1	1.000	25.400	—	2.5197	64.0	4-1/8	4.125	104.775
—	.1575	4.0	—	1.0236	26.0	2-17/32	2.531	64.294	—	4.1338	105.0
11/64	.172	4.366	1-1/32	1.0312	26.194	—	2.559	65.0	4-3/16	4.1875	106.363
—	.177	4.5	1-1/16	1.062	26.988	2-9/16	2.562	65.088	4-1/4	4.250	107.950
3/16	.1875	4.763	—	1.063	27.0	2-19/32	2.594	65.881	4-5/16	4.312	109.538
—	.1969	5.0	1-3/32	1.094	27.781	—	2.5984	66.0	—	4.3307	110.0
13/64	.203	5.159	—	1.1024	28.0	2-5/8	2.625	66.675	4-3/8	4.375	111.125
—	.2165	5.5	1-1/8	1.125	28.575	—	2.638	67.0	4-7/16	4.438	112.713
7/32	.219	5.556	—	1.1417	29.0	2-21/32	2.656	67.469	4-1/2	4.500	114.300
15/64	.234	5.953	1-5/32	1.156	29.369	—	2.6772	68.0	—	4.5275	115.0
—	.2362	6.0	—	1.1811	30.0	2-11/16	2.6875	68.263	4-9/16	4.562	115.888
1/4	.250	6.350	1-3/16	1.1875	30.163	—	2.7165	69.0	4-5/8	4.625	117.475
—	.2559	6.5	1-7/32	1.219	30.956	2-23/32	2.719	69.056	4-11/16	4.6875	119.063
17/64	.2656	6.747	—	1.2205	31.0	2-3/4	2.750	69.850	—	4.7244	120.0
—	.2756	7.0	1-1/4	1.250	31.750	—	2.7559	70.0	4-3/4	4.750	120.650
9/32	.281	7.144	—	1.2598	32.0	2-25/32	2.781	70.6439	4-13/16	4.8125	122.238
—	.2953	7.5	1-9/32	1.281	32.544	—	2.7953	71.0	4-7/8	4.875	123.825
19/64	.297	7.541	—	1.2992	33.0	2-13/16	2.8125	71.4376	—	4.9212	125.0
5/16	.312	7.938	1-5/16	1.312	33.338	—	2.8346	72.0	4-15/16	4.9375	125.413
—	.315	8.0	—	1.3386	34.0	2-27/32	2.844	72.2314	5	5.000	127.000
21/64	.328	8.334	1-11/32	1.344	34.131	—	2.8740	73.0	—	5.1181	130.0
—	.335	8.5	1-3/8	1.375	34.925	2-7/8	2.875	73.025	5-1/4	5.250	133.350
11/32	.344	8.731	—	1.3779	35.0	2-29/32	2.9062	73.819	5-1/2	5.500	139.700
—	.3543	9.0	1-13/32	1.406	35.719	—	2.9134	74.0	—	5.5118	140.0
23/64	.359	9.128	—	1.4173	36.0	2-15/16	2.9375	74.613	5-3/4	5.750	146.050
—	.374	9.5	1-7/16	1.438	36.513	—	2.9527	75.0	—	5.9055	150.0
3/8	.375	9.525	—	1.4567	37.0	2-31/32	2.969	75.406	6	6.000	152.400
25/64	.391	9.922	1-15/32	1.469	37.306	—	2.9921	76.0	6-1/4	6.250	158.750
—	.3937	10.0	—	1.4961	38.0	3	3.000	76.200	—	6.2992	160.0
13/32	.406	10.319	1-1/2	1.500	38.100	3-1/32	3.0312	76.994	6-1/2	6.500	165.100
—	.413	10.5	1-17/32	1.531	38.894	—	3.0315	77.0	—	6.6929	170.0
27/64	.422	10.716	—	1.5354	39.0	3-1/16	3.062	77.788	6-3/4	6.750	171.450
—	.4331	11.0	1-9/16	1.562	39.688	—	3.0709	78.0	7	7.000	177.800
7/16	.438	11.113	—	1.5748	40.0	3-3/32	3.094	78.581	—	7.0866	180.0
29/64	.453	11.509	1-19/32	1.594	40.481	—	3.1102	79.0	—	7.4803	190.0
15/32	.469	11.906	—	1.6142	41.0	3-1/8	3.125	79.581	7-1/2	7.500	190.500
—	.4724	12.0	1-5/8	1.625	41.275	—	3.1496	80.0	—	7.8740	200.0
31/64	.484	12.303	—	1.6535	42.0	3-5/32	3.156	80.169	8	8.000	203.200
—	.492	12.5	1-21/32	1.6562	42.069	3-3/16	3.1875	80.963	—	8.2677	210.0
1/2	.500	12.700	1-11/16	1.6875	42.863	—	3.1890	81.0	8-1/2	8.500	215.900
—	.5118	13.0	—	1.6929	43.0	3-7/32	3.219	81.756	—	8.6614	220.0
33/64	.5156	13.097	1-23/32	1.719	43.656	—	3.2283	82.0	9	9.000	228.600
17/32	.531	13.494	—	1.7323	44.0	3-1/4	3.250	82.550	—	9.0551	230.0
35/64	.547	13.891	1-3/4	1.750	44.450	—	3.2677	83.0	—	9.4488	240.0
—	.5512	14.0	—	1.7717	45.0	3-9/32	3.281	83.344	9-1/2	9.500	241.300
9/16	.563	14.288	1-25/32	1.781	45.244	—	3.3071	84.0	—	9.8425	250.0
—	.571	14.5	—	1.8110	46.0	3-5/16	3.312	84.1377	10	10.000	254.001
37/64	.578	14.684	1-13/16	1.8125	46.038	3-11/32	3.344	84.9314	—	10.2362	260.0
—	.5906	15.0	1-27/32	1.844	46.831	—	3.3464	85.0	—	10.6299	270.0
19/32	.594	15.081	—	1.8504	47.0	3-3/8	3.375	85.725	11	11.000	279.401
39/64	.609	15.478	1-7/8	1.875	47.625	—	3.3858	86.0	—	11.0236	280.0
—	.625	15.875	—	1.8898	48.0	3-13/32	3.406	86.519	—	11.4173	290.0
5/8	.6299	16.0	1-29/32	1.9062	48.419	—	3.4252	87.0	—	11.8110	300.0
41/64	.6406	16.272	—	1.9291	49.0	3-7/16	3.438	87.313	12	12.000	304.801
—	.6496	16.5	1-15/16	1.9375	49.213	—	3.4648	88.0	13	13.000	330.201
21/32	.658	16.669	—	1.9685	50.0	3-15/32	3.469	88.108	—	13.7795	350.0
—	.6693	17.0	1-31/32	1.969	50.006	3-1/2	3.500	88.900	14	14.000	355.601
43/64	.672	17.066	2	2.000	50.800	—	3.5039	89.0	15	15.000	381.001
11/16	.6875	17.463	—	2.0079	51.0	3-17/32	3.531	89.694	—	15.7480	400.0
45/64	.703	17.859	2-1/32	2.03125	51.594	—	3.5433	90.0	16	16.000	406.401
—	.7087	18.0	—	2.0472	52.0	3-9/16	3.562	90.4877	17	17.000	431.801
23/32	.719	18.256	2-1/6	2.062	52.388	—	3.5827	91.0	—	17.7165	450.0
—	.7283	18.5	—	2.0866	53.0	3-19/32	3.594	91.281	18	18.000	457.201
47/64	.734	18.653	2-3/32	2.094	53.181	—	3.622	92.0	19	19.000	482.601
—	.7480	19.0	2-1/8	2.125	53.975	3-5/8	3.625	92.075	—	19.6850	500.0
3/4	.750	19.050	—	2.126	54.0	3-21/32	3.656	92.869	20	20.000	508.001
49/64	.7656	19.447	2-5/32	2.156	54.769	—	3.6614	93.0	—	—	—

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