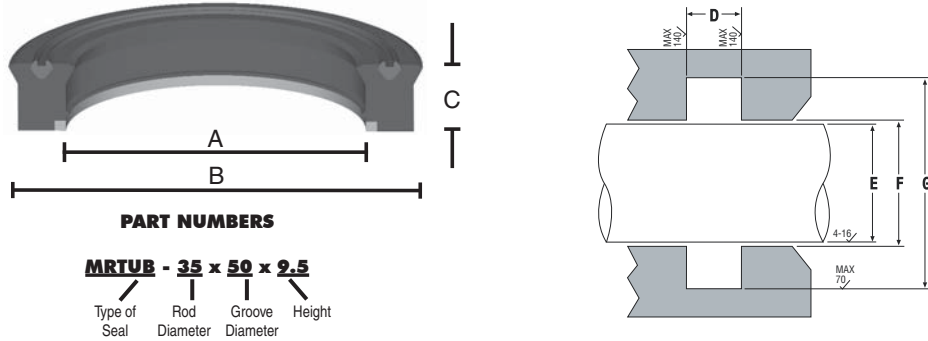


# STYLE MRTUB SUPER-DUTY ROD U-SEALS

Our premium single-acting polyurethane rod seal incorporates an NBR energizer to seal at low pressures. The twin lip design provides stability and friction-reducing lube retention for dry rod sealing, and the included hard acetal backup ring resists extrusion. MRTUB is capable of pressures up to 10,000 psi in approved applications. Please consult our Engineering Department for pressures above 6,000 psi.



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

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Throat Diameter	G Housing Diameter	List Price
MRTUB-35X50X9.5	35	50	9.5	10.5 <sup>+0.25</sup> / <sub>-0.00</sub>	35.00 <sup>-0.025</sup> / <sub>-0.087</sub>	35.00 <sup>+0.062</sup> / <sub>-0.000</sub>	50.00 ±0.080	\$ 30.01
MRTUB-36X46X7.3	36	46	7.3	8.0 <sup>+0.25</sup> / <sub>-0.00</sub>	36.00 <sup>-0.025</sup> / <sub>-0.087</sub>	36.00 <sup>+0.062</sup> / <sub>-0.000</sub>	46.00 ±0.080	30.57
MRTUB-40X50X7.3	40	50	7.3	8.0 <sup>+0.25</sup> / <sub>-0.00</sub>	40.00 <sup>-0.025</sup> / <sub>-0.087</sub>	40.00 <sup>+0.062</sup> / <sub>-0.000</sub>	50.00 ±0.080	32.55
MRTUB-45X55X7.3	45	55	7.3	8.0 <sup>+0.25</sup> / <sub>-0.00</sub>	45.00 <sup>-0.025</sup> / <sub>-0.087</sub>	45.00 <sup>+0.062</sup> / <sub>-0.000</sub>	55.00 ±0.095	35.26
MRTUB-45X60X11.4	45	60	11.4	12.5 <sup>+0.25</sup> / <sub>-0.00</sub>	45.00 <sup>-0.025</sup> / <sub>-0.087</sub>	45.00 <sup>+0.062</sup> / <sub>-0.000</sub>	60.00 ±0.095	36.21
MRTUB-50X60X7.3	50	60	7.3	8.0 <sup>+0.25</sup> / <sub>-0.00</sub>	50.00 <sup>-0.025</sup> / <sub>-0.087</sub>	50.00 <sup>+0.062</sup> / <sub>-0.000</sub>	60.00 ±0.095	37.90
MRTUB-50X65X11.4	50	65	11.4	12.5 <sup>+0.25</sup> / <sub>-0.00</sub>	50.00 <sup>-0.025</sup> / <sub>-0.087</sub>	50.00 <sup>+0.062</sup> / <sub>-0.000</sub>	65.00 ±0.095	39.01
MRTUB-55X70X11.4	55	70	11.4	12.5 <sup>+0.25</sup> / <sub>-0.00</sub>	55.00 <sup>-0.030</sup> / <sub>-0.104</sub>	55.00 <sup>+0.074</sup> / <sub>-0.000</sub>	70.00 ±0.095	40.35
MRTUB-56X71X11.4	56	71	11.4	12.5 <sup>+0.25</sup> / <sub>-0.00</sub>	56.00 <sup>-0.030</sup> / <sub>-0.104</sub>	56.00 <sup>+0.074</sup> / <sub>-0.000</sub>	71.00 ±0.095	40.91
MRTUB-60X73X13	60	73	13.0	14.0 <sup>+0.25</sup> / <sub>-0.00</sub>	60.00 <sup>-0.030</sup> / <sub>-0.104</sub>	60.00 <sup>+0.074</sup> / <sub>-0.000</sub>	73.00 ±0.095	36.21

# STYLE MRTUB SUPER-DUTY ROD U-SEALS

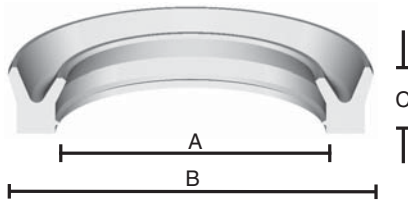


Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Throat Diameter	G Housing Diameter	List Price
MRTUB-60X75X11.4	60	75	11.4	12.5 $+0.25$ $-0.00$	60.00 $-0.030$ $-0.104$	60.00 $+0.074$ $-0.000$	75.00 $\pm 0.095$	\$ 43.07
MRTUB-63X78X11.4	63	78	11.4	12.5 $+0.25$ $-0.00$	63.00 $-0.030$ $-0.104$	63.00 $+0.074$ $-0.000$	78.00 $\pm 0.095$	44.64
MRTUB-63X83X11.8	63	83	11.8	13.0 $+0.25$ $-0.00$	63.00 $-0.030$ $-0.104$	63.00 $+0.074$ $-0.000$	83.00 $\pm 0.110$	45.69
MRTUB-70X85X11.4	70	85	11.4	12.5 $+0.25$ $-0.00$	70.00 $-0.030$ $-0.104$	70.00 $+0.074$ $-0.000$	85.00 $\pm 0.110$	48.47
MRTUB-75X88X13	75	88	13.0	14.0 $+0.25$ $-0.00$	75.00 $-0.030$ $-0.104$	75.00 $+0.074$ $-0.000$	88.00 $\pm 0.110$	39.61
MRTUB-80X95X11.4	80	95	11.4	12.5 $+0.25$ $-0.00$	80.00 $-0.030$ $-0.104$	80.00 $+0.074$ $-0.000$	95.00 $\pm 0.110$	53.58
MRTUB-80X95X13	80	95	13.0	14.0 $+0.25$ $-0.00$	80.00 $-0.030$ $-0.104$	80.00 $+0.074$ $-0.000$	95.00 $\pm 0.110$	57.93
MRTUB-85X100X13	85	100	13.0	14.0 $+0.25$ $-0.00$	85.00 $-0.036$ $-0.123$	85.00 $+0.087$ $-0.000$	100.00 $\pm 0.110$	43.85
MRTUB-90X105X11.4	90	105	11.4	12.5 $+0.25$ $-0.00$	90.00 $-0.036$ $-0.123$	90.00 $+0.087$ $-0.000$	105.00 $\pm 0.110$	58.66
MRTUB-90X105X13	90	105	13.0	14.0 $+0.25$ $-0.00$	90.00 $-0.036$ $-0.123$	90.00 $+0.087$ $-0.000$	105.00 $\pm 0.110$	47.19
MRTUB-95X110X13	95	110	13.0	14.0 $+0.25$ $-0.00$	95.00 $-0.036$ $-0.123$	95.00 $+0.087$ $-0.000$	110.00 $\pm 0.110$	48.22
MRTUB-100X115X13	100	115	13.0	14.0 $+0.25$ $-0.00$	100.00 $-0.036$ $-0.123$	100.00 $+0.087$ $-0.000$	115.00 $\pm 0.110$	49.49
MRTUB-100X120X14.6	100	120	14.6	16.0 $+0.25$ $-0.00$	100.00 $-0.036$ $-0.123$	100.00 $+0.087$ $-0.000$	120.00 $\pm 0.110$	64.06
MRTUB-110X130X13	110	130	13.0	14.0 $+0.25$ $-0.00$	110.00 $-0.036$ $-0.123$	110.00 $+0.087$ $-0.000$	130.00 $\pm 0.125$	52.60
MRTUB-110X130X14.6	110	130	14.6	16.0 $+0.25$ $-0.00$	110.00 $-0.036$ $-0.123$	110.00 $+0.087$ $-0.000$	130.00 $\pm 0.125$	69.16
MRTUB-120X135X14.6	120	135	14.6	16.0 $+0.25$ $-0.00$	120.00 $-0.036$ $-0.123$	120.00 $+0.087$ $-0.000$	135.00 $\pm 0.125$	74.48
MRTUB-120X140X13	120	140	13.0	14.0 $+0.25$ $-0.00$	120.00 $-0.036$ $-0.123$	120.00 $+0.087$ $-0.000$	140.00 $\pm 0.125$	54.58
MRTUB-140X160X13	140	160	13.0	14.0 $+0.25$ $-0.00$	140.00 $-0.043$ $-0.143$	140.00 $+0.100$ $-0.000$	160.00 $\pm 0.125$	60.95

ROD U-SEALS

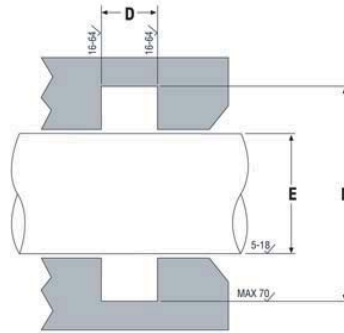
# STYLE MRTU ROD U-SEALS

Molded in a tough urethane, this seal employs an additional lip near the heel. The Twin Lip design provides stability, friction-reducing lube retention, and some contaminant resistance. VME - Secondary lip is further from heel than standard MRTU. **NOTE:** E = European Urethane.



### PART NUMBERS

**MRTU - 12 x 18 x 5.7**  
 Type of Seal | I.D. | O.D. | Height



### SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-40° TO +225° F E: -22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MRTU-12X18X5.7	12	18	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	12 <sup>-0.016</sup> / <sub>-0.059</sub>	18 ±0.055	\$ 7.35
MRTU-12X20X5.7	12	20	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	12 <sup>-0.016</sup> / <sub>-0.059</sub>	20 ±0.065	7.42
MRTU-16X22X5	16	22	5	6 <sup>+0.250</sup> / <sub>0.000</sub>	16 <sup>-0.016</sup> / <sub>-0.059</sub>	22 ±0.065	8.29
MRTU-16X24X5	16	24	5	5.50 <sup>+0.250</sup> / <sub>0.000</sub>	16 <sup>-0.016</sup> / <sub>-0.059</sub>	24 ±0.065	9.80
MRTU-16X24X5.7	16	24	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	16 <sup>-0.016</sup> / <sub>-0.059</sub>	24 ±0.065	9.03
MRTU-16X26X7.7	16	26	7.7	9 <sup>+0.250</sup> / <sub>0.000</sub>	16 <sup>-0.016</sup> / <sub>-0.059</sub>	26 ±0.065	7.96
MRTU-18X25X5	18	25	5	6 <sup>+0.250</sup> / <sub>0.000</sub>	18 <sup>-0.016</sup> / <sub>-0.059</sub>	25 ±0.065	8.35
MRTU-18X26X6	18	26	6	7 <sup>+0.250</sup> / <sub>0.000</sub>	18 <sup>-0.016</sup> / <sub>-0.059</sub>	26 ±0.065	9.29
MRTU-20X26X5	20	26	5	5.5 <sup>+0.250</sup> / <sub>0.000</sub>	20 <sup>-0.020</sup> / <sub>-0.072</sub>	26 ±0.065	6.62
MRTU-20X28X5.7	20	28	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	20 <sup>-0.020</sup> / <sub>-0.072</sub>	28 ±0.065	7.56
MRTU-20X30X7.7	20	30	7.7	9 <sup>+0.250</sup> / <sub>0.000</sub>	20 <sup>-0.020</sup> / <sub>-0.072</sub>	30 ±0.065	7.94
MRTU-22X30X5.7	22	30	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	22 <sup>-0.020</sup> / <sub>-0.072</sub>	30 ±0.065	7.27
MRTU-22X32X7.3	22	32	7.3	8 <sup>+0.250</sup> / <sub>0.000</sub>	22 <sup>-0.020</sup> / <sub>-0.072</sub>	32 ±0.080	7.56
MRTU-25X33X5.7	25	33	5.7	6.3 <sup>+0.250</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.072</sub>	33 ±0.080	7.27
MRTU-25X35X7.7	25	35	7.7	9 <sup>+0.250</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.072</sub>	35 ±0.080	7.99
MRTU-25X35X8	25	35	8	9 <sup>+0.250</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.072</sub>	35 ±0.080	11.21
MRTU-25X35X10	25	35	10	11 <sup>+0.250</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.072</sub>	35 ±0.080	7.99
MRTU-28X38X7.3	28	38	7.3	8 <sup>+0.250</sup> / <sub>0.000</sub>	28 <sup>-0.020</sup> / <sub>-0.072</sub>	38 ±0.080	7.99
MRTU-28X43X11.4	28	43	11.4	12.5 <sup>+0.250</sup> / <sub>0.000</sub>	28 <sup>-0.020</sup> / <sub>-0.072</sub>	43 ±0.080	7.99

# STYLE MRTU ROD U-SEALS



ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MRTU-30X38X6.3	30	38	6.3	7 +0.250 0.000	30 -0.020 -0.072	38 ±0.080	\$ 7.99
MRTU-30X40X6	30	40	6	7 +0.250 0.000	30 -0.020 -0.072	40 ±0.080	8.01
MRTU-30X40X6.5-E	30	40	6.5	7.5 +0.250 0.000	30 -0.020 -0.072	40 ±0.080	8.26
MRTU-30X40X10	30	40	10	11 +0.250 0.000	30 -0.020 -0.072	40 ±0.080	8.29
MRTU-32X40X6	32	40	6	7 +0.250 0.000	32 -0.025 -0.087	40 ±0.080	6.92
MRTU-32X40X7.7	32	40	7.7	9 +0.250 0.000	32 -0.025 -0.087	40 ±0.080	8.01
MRTU-32X42X5.7	32	42	5.7	6.3 +0.250 0.000	32 -0.025 -0.087	42 ±0.080	7.56
MRTU-32X42X7.3	32	42	7.3	8 +0.250 0.000	32 -0.025 -0.087	42 ±0.080	8.83
MRTU-32X42X10	32	42	10	11 +0.250 0.000	32 -0.025 -0.087	42 ±0.080	8.83
MRTU-32X47X9.1	32	47	9.1	10 +0.250 0.000	32 -0.025 -0.087	47 ±0.080	9.15
MRTU-32X47X10	32	47	10	11 +0.250 0.000	32 -0.025 -0.087	47 ±0.080	9.15
MRTU-35X43X6.3	35	43	6.3	7 +0.250 0.000	35 -0.025 -0.087	43 ±0.080	7.99
MRTU-35X43X8.2	35	43	8.2	9 +0.250 0.000	35 -0.025 -0.087	43 ±0.080	7.99
MRTU-35X45X6	35	45	6	7 +0.250 0.000	35 -0.025 -0.087	45 ±0.080	8.67
MRTU-35X45X6-E	35	45	6	7 +0.250 0.000	35 -0.025 -0.087	45 ±0.080	2.92
MRTU-35X45X7.7	35	45	7.7	9 +0.250 0.000	35 -0.025 -0.087	45 ±0.080	8.63
MRTU-35X45X10	35	45	10	11 +0.250 0.000	35 -0.025 -0.087	45 ±0.080	7.99
MRTU-35X50X9	35	50	9	10 +0.250 0.000	35 -0.025 -0.087	50 ±0.080	9.72
MRTU-35X50X10	35	50	10	11 +0.250 0.000	35 -0.025 -0.087	50 ±0.080	9.46
MRTU-36X44X6.4	36	44	6.4	7.5 +0.250 0.000	36 -0.025 -0.087	44 ±0.080	7.56
MRTU-36X44X8	36	44	8	9 +0.250 0.000	36 -0.025 -0.087	44 ±0.080	8.10
MRTU-36X46X7	36	46	7	8 +0.250 0.000	36 -0.025 -0.087	46 ±0.080	7.92
MRTU-36X46X10	36	46	10	11 +0.250 0.000	36 -0.025 -0.087	46 ±0.080	8.83
MRTU-38X48X8	38	48	8	9 +0.250 0.000	38 -0.025 -0.087	48 ±0.080	4.32
MRTU-40X48X5.8-E	40	48	5.8	6.3 +0.250 0.000	40 -0.025 -0.087	48 ±0.080	11.15
MRTU-40X48X8.2	40	48	8.2	9 +0.250 0.000	40 -0.025 -0.087	48 ±0.080	8.83
MRTU-40X50X7	40	50	7	8 +0.250 0.000	40 -0.025 -0.087	50 ±0.080	10.97
MRTU-40X50X8	40	50	8	9 +0.250 0.000	40 -0.025 -0.087	50 ±0.080	15.59
MRTU-40X50X10	40	50	10	11 +0.250 0.000	40 -0.025 -0.087	50 ±0.080	12.45



## STYLE MRTU ROD U-SEALS

ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MRTU-40X55X10	40	55	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	55 $\pm 0.095$	\$ 10.76
MRTU-45X53X8.1	45	53	8.1	9 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	53 $\pm 0.095$	8.83
MRTU-45X55X7.3	45	55	7.3	8 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	55 $\pm 0.095$	8.83
MRTU-45X55X10	45	55	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	55 $\pm 0.095$	12.33
MRTU-45X60X10	45	60	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	60 $\pm 0.095$	9.79
MRTU-45X65X10	45	65	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	65 $\pm 0.095$	16.73
MRTU-48X56X12-E	48	56	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	48 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	56 $\pm 0.095$	11.76
MRTU-50X60X7.3	50	60	7.3	8 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	60 $\pm 0.095$	11.71
MRTU-50X60X10	50	60	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	60 $\pm 0.095$	13.07
MRTU-50X60X11.8	50	60	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	60 $\pm 0.095$	9.46
MRTU-50X65X9.5	50	65	9.5	10.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	65 $\pm 0.095$	11.98
MRTU-50X65X10	50	65	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	65 $\pm 0.095$	10.02
MRTU-50X65X11	50	65	11	12 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	65 $\pm 0.095$	14.65
MRTU-50X65X14.5	50	65	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.087 \end{smallmatrix}$	65 $\pm 0.095$	9.54
MRTU-55X65X10	55	65	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	65 $\pm 0.095$	9.46
MRTU-55X70X11.8	55	70	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	70 $\pm 0.095$	12.30
MRTU-56X66X10	56	66	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	66 $\pm 0.095$	13.57
MRTU-56X71X10	56	71	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	71 $\pm 0.095$	11.68
MRTU-56X71X11	56	71	11	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	71 $\pm 0.095$	15.73
MRTU-60X68X11	60	68	11	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	68 $\pm 0.095$	13.90
MRTU-60X70X10	60	70	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	70 $\pm 0.095$	15.15
MRTU-60X70X11.8	60	70	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	70 $\pm 0.095$	11.04
MRTU-60X71X7	60	71	7	8 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	71 $\pm 0.095$	11.70
MRTU-60X72X10	60	72	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	72 $\pm 0.095$	11.04
MRTU-60X75X10	60	75	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	75 $\pm 0.095$	15.92
MRTU-60X75X11.8	60	75	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	75 $\pm 0.095$	16.96
MRTU-60X76X10	60	76	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	76 $\pm 0.095$	15.25
MRTU-60X80X12	60	80	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	80 $\pm 0.095$	19.32

# STYLE MRTU ROD U-SEALS



ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MRTU-63X73X12	63	73	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	73 $\pm 0.095$	\$ 15.30
MRTU-63X78X10	63	78	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	78 $\pm 0.095$	12.30
MRTU-63X78X11.4	63	78	11.4	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	78 $\pm 0.095$	17.81
MRTU-65X75X11.8	65	75	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	75 $\pm 0.095$	10.74
MRTU-65X78X10	65	78	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	78 $\pm 0.095$	15.20
MRTU-70X80X12	70	80	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	80 $\pm 0.095$	18.04
MRTU-70X83X10	70	83	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	83 $\pm 0.110$	12.18
MRTU-70X85X10	70	85	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	85 $\pm 0.110$	13.70
MRTU-70X85X11.5	70	85	11.5	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	85 $\pm 0.110$	13.70
MRTU-75X85X11.8	75	85	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	85 $\pm 0.110$	12.30
MRTU-75X88X10	75	88	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	88 $\pm 0.110$	13.52
MRTU-80X90X10	80	90	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	90 $\pm 0.110$	13.96
MRTU-80X90X12	80	90	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	90 $\pm 0.110$	18.71
MRTU-80X93X10	80	93	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	93 $\pm 0.110$	15.99
MRTU-80X95X12	80	95	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	95 $\pm 0.110$	23.99
MRTU-80X100X12	80	100	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	100 $\pm 0.110$	23.63
MRTU-80X100X14.5	80	100	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.104 \end{smallmatrix}$	100 $\pm 0.110$	23.32
MRTU-85X100X9	85	100	9	10 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	100 $\pm 0.110$	23.21
MRTU-85X100X10	85	100	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	100 $\pm 0.110$	18.33
MRTU-90X100X11.5-VME	90	100	11.5	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	100 $\pm 0.110$	16.72
MRTU-90X105X9	90	105	9	10 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	105 $\pm 0.110$	17.37
MRTU-90X105X11.4	90	105	11.4	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	105 $\pm 0.110$	17.00
MRTU-95X115X12	95	115	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	95 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	115 $\pm 0.110$	18.84
MRTU-100X115X9	100	115	9	10 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	115 $\pm 0.110$	21.52
MRTU-100X115X12	100	115	12	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	115 $\pm 0.110$	21.52
MRTU-100X120X11.8	100	120	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	120 $\pm 0.110$	28.74
MRTU-100X120X14.5	100	120	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	120 $\pm 0.110$	28.74
MRTU-105X113X13.5-E	105	113	13.5	14.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	113 $\pm 0.110$	22.29



# STYLE MRTU ROD U-SEALS

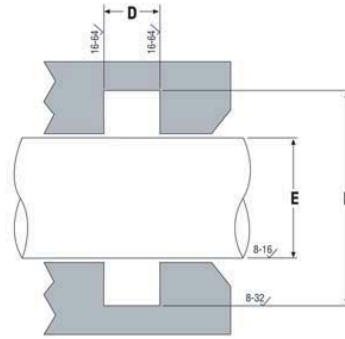
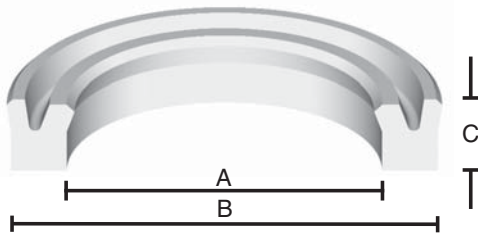
ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	G Housing Diameter	List Price
MRTU-105X115X11.5-VME	105	115	11.5	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	115 $\pm 0.110$	\$ 20.54
MRTU-105X115X13.2	105	115	13.2	14.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	115 $\pm 0.110$	22.10
MRTU-105X120X14.5	105	120	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	120 $\pm 0.110$	25.41
MRTU-110X125X14.5	110	125	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	125 $\pm 0.125$	35.50
MRTU-110X130X11.8	110	130	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	130 $\pm 0.125$	39.29
MRTU-110X130X14.5	110	130	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	130 $\pm 0.125$	39.29
MRTU-120X130X11.5-VME	120	130	11.5	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	130 $\pm 0.125$	24.34
MRTU-120X135X15	120	135	15	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.123 \end{smallmatrix}$	135 $\pm 0.125$	43.23
MRTU-125X145X14.5	125	145	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	125 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	145 $\pm 0.125$	42.82
MRTU-130X140X14.5	130	140	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	140 $\pm 0.125$	37.61
MRTU-130X145X10	130	145	10	11 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	145 $\pm 0.125$	22.76
MRTU-130X150X14.5	130	150	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	150 $\pm 0.125$	44.87
MRTU-140X150X11.5	140	150	11.5	12 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	150 $\pm 0.125$	45.84
MRTU-140X160X11.8	140	160	11.8	13 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	160 $\pm 0.125$	47.56
MRTU-140X160X14.5	140	160	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	160 $\pm 0.125$	47.56
MRTU-150X170X13	150	170	13	14.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	150 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	170 $\pm 0.125$	52.14
MRTU-160X170X11.5-VME	160	170	11.5	12.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	170 $\pm 0.125$	47.98
MRTU-160X180X14.5	160	180	14.5	16 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	180 $\pm 0.125$	54.90
MRTU-177.7X195X9.5	177.7	195	9.5	10.5 $\begin{smallmatrix} +0.250 \\ 0.000 \end{smallmatrix}$	177.7 $\begin{smallmatrix} -0.043 \\ -0.143 \end{smallmatrix}$	195 $\pm 0.145$	56.42

# STYLE MRU ROD U-SEALS



Molded in a tough urethane, this rod u-seal fits tightly in the groove while providing increased radial force on the rod.  
**NOTE:** E = European Urethane.



### PART NUMBERS

**MRU - 6 x 14 x 5.7-E**  
 Type of Seal | I.D. | O.D. | Height

### SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-65° TO +230° F E: -22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-6X14X5.7-E	6	14	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	6 $\begin{smallmatrix} -0.010 \\ -0.028 \end{smallmatrix}$	14 $\begin{smallmatrix} +0.070 \\ 0.000 \end{smallmatrix}$	\$ 3.58
MRU-12X20X5.7-E	12	20	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	12 $\begin{smallmatrix} -0.016 \\ -0.043 \end{smallmatrix}$	20 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	3.96
MRU-15X25X10	15	25	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	15 $\begin{smallmatrix} -0.016 \\ -0.043 \end{smallmatrix}$	25 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	7.25
MRU-18X24X4.5-E	18	24	4.5	5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	18 $\begin{smallmatrix} -0.016 \\ -0.043 \end{smallmatrix}$	24 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	3.83
MRU-18X26X5.7-E	18	26	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	18 $\begin{smallmatrix} -0.016 \\ -0.043 \end{smallmatrix}$	26 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	4.53
MRU-18X28X8-E	18	28	8	9 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	18 $\begin{smallmatrix} -0.016 \\ -0.043 \end{smallmatrix}$	28 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	4.77
MRU-20X28X5.7	20	28	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	20 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	28 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	11.05
MRU-20X30X8	20	30	8	9 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	20 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	30 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	7.74
MRU-20X35X10-E	20	35	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	20 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	35 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	4.77
MRU-22X30X5.7-E	22	30	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	22 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	30 $\begin{smallmatrix} +0.084 \\ 0.000 \end{smallmatrix}$	4.77
MRU-25X33X5.7	25	33	5.7	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	33 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	8.93
MRU-25X33X6.3-E	25	33	6.3	7 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	33 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	4.77
MRU-25X33X10-E	25	33	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	33 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	4.77
MRU-25X35X5	25	35	5	5.7 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	35 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	9.35
MRU-25X35X6	25	35	6	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	35 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	8.76
MRU-25X35X7.2-E	25	35	7.2	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	35 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	5.13
MRU-25X35X8	25	35	8	9 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	25 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	35 $\begin{smallmatrix} +0.100 \\ 0.000 \end{smallmatrix}$	7.74


**STYLE MRU ROD U-SEALS**
**ROD U-SEALS**

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-25X35X10-E	25	35	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.053</sub>	35 <sup>+0.100</sup> / <sub>0.000</sub>	\$ 5.13
MRU-25X40X10-E	25	40	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	25 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	5.61
MRU-28X38X7.3	28	38	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	28 <sup>-0.020</sup> / <sub>-0.053</sub>	38 <sup>+0.100</sup> / <sub>0.000</sub>	8.50
MRU-30X38X5.7-E	30	38	5.7	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	38 <sup>+0.100</sup> / <sub>0.000</sub>	5.24
MRU-30X38X8-E	30	38	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	38 <sup>+0.100</sup> / <sub>0.000</sub>	5.24
MRU-30X40X6	30	40	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	6.33
MRU-30X40X7	30	40	7	8 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	8.08
MRU-30X40X7.3	30	40	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	7.69
MRU-30X40X8	30	40	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	9.34
MRU-30X40X10-E	30	40	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	6.80
MRU-30X43X9-E	30	43	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	43 <sup>+0.100</sup> / <sub>0.000</sub>	5.98
MRU-30X43X10	30	43	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	43 <sup>+0.100</sup> / <sub>0.000</sub>	8.08
MRU-30X46X9	30	46	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	30 <sup>-0.020</sup> / <sub>-0.053</sub>	46 <sup>+0.100</sup> / <sub>0.000</sub>	10.35
MRU-32X40X8-E	32	40	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	32 <sup>-0.025</sup> / <sub>-0.064</sub>	40 <sup>+0.100</sup> / <sub>0.000</sub>	5.74
MRU-32X42X6	32	42	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	32 <sup>-0.025</sup> / <sub>-0.064</sub>	42 <sup>+0.100</sup> / <sub>0.000</sub>	12.27
MRU-32X42X7.2-E	32	42	7.2	8 <sup>+0.300</sup> / <sub>0.000</sub>	32 <sup>-0.025</sup> / <sub>-0.064</sub>	42 <sup>+0.100</sup> / <sub>0.000</sub>	5.74
MRU-32X45X9.5-E	32	45	9.5	10.5 <sup>+0.300</sup> / <sub>0.000</sub>	32 <sup>-0.025</sup> / <sub>-0.064</sub>	45 <sup>+0.100</sup> / <sub>0.000</sub>	6.80
MRU-32X47X10-E	32	47	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	32 <sup>-0.025</sup> / <sub>-0.064</sub>	47 <sup>+0.100</sup> / <sub>0.000</sub>	6.58
MRU-33X43X10-E	33	43	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	33 <sup>-0.025</sup> / <sub>-0.064</sub>	43 <sup>+0.100</sup> / <sub>0.000</sub>	6.92
MRU-35X43X5.7-E	35	43	5.7	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	43 <sup>+0.100</sup> / <sub>0.000</sub>	6.92
MRU-35X43X8-E	35	43	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	43 <sup>+0.100</sup> / <sub>0.000</sub>	6.92
MRU-35X45X6	35	45	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	45 <sup>+0.100</sup> / <sub>0.000</sub>	9.59
MRU-35X45X6.3	35	45	6.3	7 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	45 <sup>+0.100</sup> / <sub>0.000</sub>	9.59
MRU-35X45X7	35	45	7	8 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	45 <sup>+0.100</sup> / <sub>0.000</sub>	6.71
MRU-35X45X7.3	35	45	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	45 <sup>+0.100</sup> / <sub>0.000</sub>	14.85
MRU-35X51X9	35	51	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	35 <sup>-0.025</sup> / <sub>-0.064</sub>	51 <sup>+0.120</sup> / <sub>0.000</sub>	10.60
MRU-36X44X5.7	36	44	5.7	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	36 <sup>-0.025</sup> / <sub>-0.064</sub>	44 <sup>+0.100</sup> / <sub>0.000</sub>	15.25

# STYLE MRU ROD U-SEALS



ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-36X46X7-E	36	46	7	8 <sup>+0.300</sup> / <sub>0.000</sub>	36 <sup>-0.025</sup> / <sub>-0.064</sub>	46 <sup>+0.100</sup> / <sub>0.000</sub>	\$ 6.58
MRU-36X51X10-E	36	51	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	36 <sup>-0.025</sup> / <sub>-0.064</sub>	51 <sup>+0.120</sup> / <sub>0.000</sub>	7.30
MRU-40X48X5	40	48	5	5.7 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	48 <sup>+0.100</sup> / <sub>0.000</sub>	10.11
MRU-40X48X5.7-E	40	48	5.7	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	48 <sup>+0.100</sup> / <sub>0.000</sub>	7.30
MRU-40X50X6	40	50	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	50 <sup>+0.100</sup> / <sub>0.000</sub>	10.51
MRU-40X50X7.3	40	50	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	50 <sup>+0.100</sup> / <sub>0.000</sub>	11.12
MRU-40X52X8-E	40	52	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	52 <sup>+0.120</sup> / <sub>0.000</sub>	7.56
MRU-40X55X9	40	55	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	55 <sup>+0.120</sup> / <sub>0.000</sub>	11.71
MRU-40X55X10	40	55	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	55 <sup>+0.120</sup> / <sub>0.000</sub>	31.10
MRU-40X56X12	40	56	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	56 <sup>+0.120</sup> / <sub>0.000</sub>	11.91
MRU-40X60X12	40	60	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	40 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	12.52
MRU-42X50X6	42	50	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	42 <sup>-0.025</sup> / <sub>-0.064</sub>	50 <sup>+0.100</sup> / <sub>0.000</sub>	16.96
MRU-42X52X7.3	42	52	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	42 <sup>-0.025</sup> / <sub>-0.064</sub>	52 <sup>+0.120</sup> / <sub>0.000</sub>	18.38
MRU-45X53X5.8-E	45	53	5.8	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	53 <sup>+0.120</sup> / <sub>0.000</sub>	9.29
MRU-45X55X6	45	55	6	6.5 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	55 <sup>+0.120</sup> / <sub>0.000</sub>	12.40
MRU-45X55X7.3	45	55	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	55 <sup>+0.120</sup> / <sub>0.000</sub>	11.67
MRU-45X58X9-E	45	58	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	58 <sup>+0.120</sup> / <sub>0.000</sub>	7.77
MRU-45X60X9	45	60	9	10 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	14.77
MRU-45X60X10-E	45	60	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	7.77
MRU-45X60X11.5-E	45	60	11.5	12.5 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	8.73
MRU-45X65X12	45	65	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	45 <sup>-0.025</sup> / <sub>-0.064</sub>	65 <sup>+0.120</sup> / <sub>0.000</sub>	10.73
MRU-50X58X8.2	50	58	8.2	9 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	58 <sup>+0.120</sup> / <sub>0.000</sub>	32.97
MRU-50X60X7.3	50	60	7.3	8 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	11.46
MRU-50X60X10-E	50	60	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	8.73
MRU-50X60X12-E	50	60	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	60 <sup>+0.120</sup> / <sub>0.000</sub>	8.73
MRU-50X63X8	50	63	8	9 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	63 <sup>+0.120</sup> / <sub>0.000</sub>	14.41
MRU-50X63X10	50	63	10	11 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	63 <sup>+0.120</sup> / <sub>0.000</sub>	14.87


**STYLE MRU ROD U-SEALS**
**ROD U-SEALS**

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-50X65X9	50	65	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	\$ 17.89
MRU-50X65X10	50	65	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	15.02
MRU-50X65X11.5-E	50	65	11.5	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.32
MRU-50X65X15.5-E	50	65	15.5	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.32
MRU-50X66X12	50	66	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	66 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.54
MRU-50X70X12	50	70	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	70 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	15.13
MRU-55X65X7.2-E	55	65	7.2	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	65 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	8.12
MRU-55X68X10	55	68	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	68 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	18.56
MRU-55X70X9	55	70	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	17.10
MRU-55X70X10-E	55	70	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	8.95
MRU-55X71X12	55	71	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	19.93
MRU-55X75X12	55	75	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	15.27
MRU-56X66X7.3	56	66	7.3	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	66 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	12.99
MRU-56X66X10-E	56	66	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	66 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	8.36
MRU-56X71X9	56	71	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	14.64
MRU-56X71X10-E	56	71	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	8.95
MRU-60X70X7.3	60	70	7.3	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	11.64
MRU-60X72X9-E	60	72	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	72 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	11.18
MRU-60X73X10	60	73	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	73 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	14.97
MRU-60X75X9	60	75	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	15.56
MRU-60X76X10	60	76	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	76 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	15.92
MRU-60X80X12	60	80	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	16.63
MRU-63X73X12-E	63	73	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	73 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.73
MRU-63X78X10-E	63	78	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	78 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.73
MRU-63X79X11.5-GT	63	79	11.5	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	79 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	34.88
MRU-63X83X12	63	83	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	83 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	18.78
MRU-65X75X6	65	75	6	6.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	13.20

# STYLE MRU ROD U-SEALS



Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-65X78X10	65	78	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	78 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	\$ 17.39
MRU-65X80X9	65	80	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	16.34
MRU-65X80X10-E	65	80	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	10.38
MRU-65X85X12	65	85	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	21.86
MRU-70X80X7-E	70	80	7	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.120 \\ 0.000 \end{smallmatrix}$	11.69
MRU-70X83X10	70	83	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	83 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	17.10
MRU-70X85X9	70	85	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	18.56
MRU-70X85X10-E	70	85	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	9.56
MRU-70X85X12-E	70	85	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	9.68
MRU-70X90X12	70	90	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	22.30
MRU-75X85X6.3	75	85	6.3	7 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	27.24
MRU-75X85X7-E	75	85	7	8 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	7.92
MRU-75X85X12-E	75	85	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	8.24
MRU-75X88X10	75	88	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	88 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	20.81
MRU-75X90X9	75	90	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	20.44
MRU-75X90X10-E	75	90	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	9.56
MRU-75X90X11.4	75	90	11.4	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	23.43
MRU-75X95X12	75	95	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	22.47
MRU-80X93X10	80	93	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	93 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	22.76
MRU-80X95X9	80	95	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	22.76
MRU-80X95X10	80	95	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	23.46
MRU-80X95X11.5-E	80	95	11.5	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	10.02
MRU-80X100X12	80	100	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	100 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	24.72
MRU-85X100X9	85	100	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	100 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	24.72
MRU-85X100X10	85	100	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	100 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	24.80
MRU-85X100X11.4	85	100	11.4	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	100 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	25.26
MRU-85X105X12	85	105	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	25.58

# STYLE MRU ROD U-SEALS

ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-90X105X9	90	105	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	\$ 26.02
MRU-90X105X10	90	105	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	26.31
MRU-90X105X11.5-E	90	105	11.5	12.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	14.11
MRU-90X110X12	90	110	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	17.75
MRU-90X110X15-E	90	110	15	16.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	11.21
MRU-95X110X9	95	110	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	95 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	27.53
MRU-95X110X10	95	110	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	95 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	27.53
MRU-95X115X12	95	115	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	95 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	27.77
MRU-100X113X12.5-E	100	113	12.5	14 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	113 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	18.60
MRU-100X115X10	100	115	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	21.04
MRU-100X115X12-E	100	115	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	11.21
MRU-100X120X12	100	120	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	30.11
MRU-100X120X15-E	100	120	15	16.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	11.35
MRU-105X120X9	105	120	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	33.30
MRU-105X120X10	105	120	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\begin{smallmatrix} +0.140 \\ 0.000 \end{smallmatrix}$	34.46
MRU-105X125X12	105	125	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	37.40
MRU-105X125X15	105	125	15	16.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	36.20
MRU-110X125X9	110	125	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	38.26
MRU-110X125X10	110	125	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	38.94
MRU-110X130X10	110	130	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	39.68
MRU-110X130X12	110	130	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	40.18
MRU-110X130X13	110	130	13	14.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	40.18
MRU-110X130X15	110	130	15	16.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	43.43
MRU-112X127X10	112	127	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	112 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	127 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	66.30
MRU-115X130X9	115	130	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	115 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	41.82
MRU-115X130X10	115	130	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	115 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	65.27
MRU-115X135X12	115	135	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	115 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	135 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	40.70

# STYLE MRU ROD U-SEALS

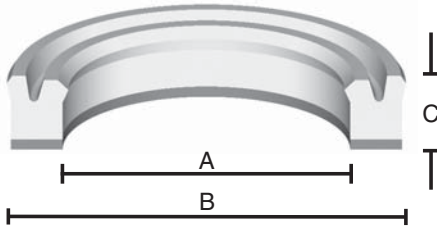


Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRU-120X135X9	120	135	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	135 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	\$ 42.80
MRU-120X140X10	120	140	10	11 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	140 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	44.28
MRU-120X140X12	120	140	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	140 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	46.65
MRU-120X140X13	120	140	13	14.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	140 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	46.65
MRU-120X140X15	120	140	15	16.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	140 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	40.27
MRU-125X145X12	125	145	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	125 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	145 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	28.44
MRU-130X145X9	130	145	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	145 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	38.01
MRU-130X150X12	130	150	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	150 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	44.26
MRU-130X150X13	130	150	13	14.5 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	150 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	52.34
MRU-130X150X16	130	150	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	150 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	57.70
MRU-140X155X9	140	155	9	10 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	155 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	31.86
MRU-140X160X12	140	160	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	160 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	50.14
MRU-150X170X12	150	170	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	150 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	170 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	58.94
MRU-150X170X16	150	170	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	150 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	170 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	67.94
MRU-160X180X12	160	180	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	180 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	70.24
MRU-160X180X15	160	180	15	16 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	180 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	72.64
MRU-160X185X16	160	185	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	185 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	72.10
MRU-170X190X12-E	170	190	12	13 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	170 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	190 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	17.88
MRU-170X195X16	170	195	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	170 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	195 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	69.03
MRU-180X205X16	180	205	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	180 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	205 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	87.90
MRU-200X225X16	200	225	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	200 $\begin{smallmatrix} -0.050 \\ -0.122 \end{smallmatrix}$	225 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	136.63

ROD U-SEALS

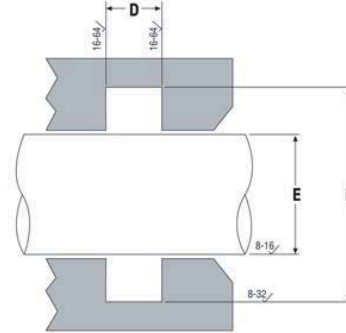
# STYLE MRUB ROD U-SEALS W/BACK-UP RINGS

Molded in a tough urethane this rod u-seal fits tightly in the groove while providing increased radial force on the rod. The employment of a nylon back-up makes it highly extrusion resistant. GT= GREEN TWEED SEAL



### PART NUMBERS

**MRUB - 50 x 63 x 13**  
 Type of Seal | I.D. | O.D. | Height



### SEAL INFORMATION

MATERIAL	URETHANE SEAL NYLON BACK-UP
TEMPERATURE RANGE	-65° TO +220° F
PRESSURE RANGE	0 TO 5,500 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRUB-50X63X13	50	63	13	14 <sup>+0.300</sup> / <sub>0.000</sub>	50 <sup>-0.025</sup> / <sub>-0.064</sub>	63 <sup>+0.120</sup> / <sub>0.000</sub>	\$ 24.75
MRUB-55X68X13	55	68	13	14 <sup>+0.300</sup> / <sub>0.000</sub>	55 <sup>-0.030</sup> / <sub>-0.076</sub>	68 <sup>+0.120</sup> / <sub>0.000</sub>	28.77
MRUB-60X73X13.2	60	73	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	60 <sup>-0.030</sup> / <sub>-0.076</sub>	73 <sup>+0.120</sup> / <sub>0.000</sub>	26.67
MRUB-63X78X11.5-GT	63	78	11.5	12.5 <sup>+0.300</sup> / <sub>0.000</sub>	63 <sup>-0.030</sup> / <sub>-0.076</sub>	78 <sup>+0.120</sup> / <sub>0.000</sub>	73.17
MRUB-65X78X13.2	65	78	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	65 <sup>-0.030</sup> / <sub>-0.076</sub>	78 <sup>+0.120</sup> / <sub>0.000</sub>	27.14
MRUB-65X80X12	65	80	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	65 <sup>-0.030</sup> / <sub>-0.076</sub>	80 <sup>+0.120</sup> / <sub>0.000</sub>	16.19
MRUB-70X83X13.2	70	83	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	70 <sup>-0.030</sup> / <sub>-0.076</sub>	83 <sup>+0.140</sup> / <sub>0.000</sub>	28.44
MRUB-70X86X11.5-GT	70	86	11.5	12.5 <sup>+0.300</sup> / <sub>0.000</sub>	70 <sup>-0.030</sup> / <sub>-0.076</sub>	86 <sup>+0.140</sup> / <sub>0.000</sub>	82.85
MRUB-75X88X13.2	75	88	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	75 <sup>-0.030</sup> / <sub>-0.076</sub>	88 <sup>+0.140</sup> / <sub>0.000</sub>	30.73
MRUB-80X93X13.2	80	93	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	80 <sup>-0.030</sup> / <sub>-0.076</sub>	93 <sup>+0.140</sup> / <sub>0.000</sub>	31.73
MRUB-85X100X13.2	85	100	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	85 <sup>-0.036</sup> / <sub>-0.090</sub>	100 <sup>+0.140</sup> / <sub>0.000</sub>	34.25
MRUB-90X105X13.2	90	105	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	90 <sup>-0.036</sup> / <sub>-0.090</sub>	105 <sup>+0.140</sup> / <sub>0.000</sub>	36.43
MRUB-95X110X13.2	95	110	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	95 <sup>-0.036</sup> / <sub>-0.090</sub>	110 <sup>+0.140</sup> / <sub>0.000</sub>	38.06
MRUB-100X115X13.2	100	115	13.2	14 <sup>+0.300</sup> / <sub>0.000</sub>	100 <sup>-0.036</sup> / <sub>-0.090</sub>	115 <sup>+0.140</sup> / <sub>0.000</sub>	38.46
MRUB-105X120X12	105	120	12	13 <sup>+0.300</sup> / <sub>0.000</sub>	105 <sup>-0.036</sup> / <sub>-0.090</sub>	120 <sup>+0.140</sup> / <sub>0.000</sub>	34.65
MRUB-110X130X13	110	130	13	14 <sup>+0.300</sup> / <sub>0.000</sub>	110 <sup>-0.036</sup> / <sub>-0.090</sub>	130 <sup>+0.160</sup> / <sub>0.000</sub>	52.32

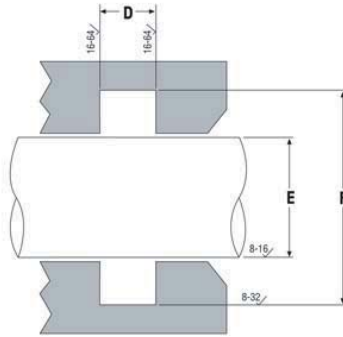
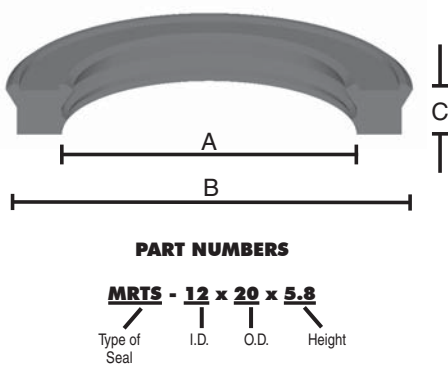
# STYLE MRUB ROD U-SEALS W/BACK-UP RINGS



Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRUB-130X150X16	130	150	16	17 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	150 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	\$ 56.58
MRUB-140X160X15	140	160	15	16 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	160 $\begin{smallmatrix} +0.160 \\ 0.000 \end{smallmatrix}$	50.14
MRUB-200X225X20	200	225	20	21 $\begin{smallmatrix} +0.300 \\ 0.000 \end{smallmatrix}$	200 $\begin{smallmatrix} -0.050 \\ -0.122 \end{smallmatrix}$	225 $\begin{smallmatrix} +0.185 \\ 0.000 \end{smallmatrix}$	176.13

# STYLE MRTS ROD U-SEALS

Designed specifically for rod applications, the short lip design and solid 'U' cavity provide high sealability at low pressure. At the heel, a secondary lip provides stability, friction-reducing lube retention, and some contamination resistance.



## SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRTS-12X20X5.8	12	20	5.8	6.3 $+0.200$ 0.000	12 $-0.016$ $-0.043$	20 $\pm 0.042$	\$ 3.74
MRTS-16X24X6	16	24	6	6.5 $+0.200$ 0.000	16 $-0.016$ $-0.043$	24 $\pm 0.042$	3.96
MRTS-18X25X5	18	25	5	5.5 $+0.200$ 0.000	18 $-0.016$ $-0.043$	25 $\pm 0.042$	4.42
MRTS-18X26X5.8	18	26	5.8	6.3 $+0.200$ 0.000	18 $-0.016$ $-0.043$	26 $\pm 0.042$	4.59
MRTS-20X28X6.5	20	28	6.5	7 $+0.200$ 0.000	20 $-0.020$ $-0.053$	28 $\pm 0.042$	4.64
MRTS-22X28X4.5	22	28	4.5	5 $+0.200$ 0.000	22 $-0.020$ $-0.053$	28 $\pm 0.042$	4.63
MRTS-22X30X5.8	22	30	5.8	6.3 $+0.200$ 0.000	22 $-0.020$ $-0.053$	30 $\pm 0.042$	4.51
MRTS-22X32X7	22	32	7	7.5 $+0.200$ 0.000	22 $-0.020$ $-0.053$	32 $\pm 0.050$	4.63
MRTS-25X33X5.8	25	33	5.8	6.3 $+0.200$ 0.000	25 $-0.020$ $-0.053$	33 $\pm 0.050$	4.97
MRTS-25X35X5.8	25	35	5.8	6.3 $+0.200$ 0.000	25 $-0.020$ $-0.053$	35 $\pm 0.050$	4.97
MRTS-25X35X7	25	35	7	7.5 $+0.200$ 0.000	25 $-0.020$ $-0.053$	35 $\pm 0.050$	4.77
MRTS-25X35X8	25	35	8	9 $+0.200$ 0.000	25 $-0.020$ $-0.053$	35 $\pm 0.050$	4.87
MRTS-28X36X5.8	28	36	5.8	6.3 $+0.200$ 0.000	28 $-0.020$ $-0.053$	36 $\pm 0.050$	4.97
MRTS-28X38X7	28	38	7	7.5 $+0.200$ 0.000	28 $-0.020$ $-0.053$	38 $\pm 0.050$	4.97
MRTS-30X38X5.8	30	38	5.8	6.3 $+0.200$ 0.000	30 $-0.020$ $-0.053$	38 $\pm 0.050$	7.82
MRTS-30X38X8	30	38	8	9 $+0.200$ 0.000	30 $-0.020$ $-0.053$	38 $\pm 0.050$	5.21
MRTS-30X40X6.5	30	40	6.5	7 $+0.200$ 0.000	30 $-0.020$ $-0.053$	40 $\pm 0.050$	5.04

# STYLE MRTS ROD U-SEALS



ROD U-SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRTS-30X40X10	30	40	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	30 $\begin{smallmatrix} -0.020 \\ -0.053 \end{smallmatrix}$	40 $\pm 0.050$	\$ 5.67
MRTS-32X42X8	32	42	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	32 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	42 $\pm 0.050$	5.49
MRTS-35X43X5.8	35	43	5.8	6.3 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	43 $\pm 0.050$	4.76
MRTS-35X43X6	35	43	6	6.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	43 $\pm 0.050$	4.74
MRTS-35X43X8	35	43	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	43 $\pm 0.050$	5.75
MRTS-35X45X10	35	45	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	45 $\pm 0.050$	9.29
MRTS-35X50X10	35	50	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	5.79
MRTS-36X44X5.7	36	44	5.7	6.2 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	36 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	44 $\pm 0.050$	6.55
MRTS-40X48X5.8	40	48	5.8	6.3 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	48 $\pm 0.050$	5.39
MRTS-40X50X7	40	50	7	7.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	5.79
MRTS-40X50X10	40	50	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	7.80
MRTS-42X52X8	42	52	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	42 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	52 $\pm 0.060$	6.06
MRTS-45X53X8	45	53	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	53 $\pm 0.060$	7.80
MRTS-45X55X7	45	55	7	7.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	6.37
MRTS-45X55X10	45	55	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	7.80
MRTS-46X54X8.2	46	54	8.2	9.2 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	46 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	54 $\pm 0.060$	6.37
MRTS-50X60X7	50	60	7	7.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	6.42
MRTS-50X60X9	50	60	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	6.55
MRTS-50X60X10	50	60	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	7.80
MRTS-50X65X10	50	65	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\pm 0.060$	7.78
MRTS-55X65X10	55	65	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	65 $\pm 0.060$	7.80
MRTS-56X71X11.5	56	71	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\pm 0.060$	8.47
MRTS-60X68X8	60	68	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	68 $\pm 0.060$	8.47
MRTS-60X68X11.5	60	68	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	68 $\pm 0.060$	8.62
MRTS-60X70X11.5	60	70	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	7.34

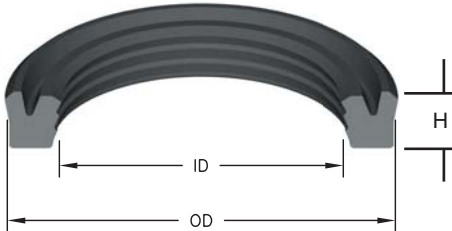

**STYLE MRTS ROD U-SEALS**
**ROD U-SEALS**

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MRTS-60X72X9	60	72	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	72 $\pm 0.060$	\$ 8.47
MRTS-60X75X10	60	75	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\pm 0.060$	11.25
MRTS-70X78X8	70	78	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	78 $\pm 0.060$	14.36
MRTS-70X80X10	70	80	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\pm 0.060$	8.72
MRTS-75X83X8	75	83	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	83 $\pm 0.070$	8.28
MRTS-75X85X7	75	85	7	7.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\pm 0.070$	9.35
MRTS-75X90X10.5	75	90	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\pm 0.070$	9.41
MRTS-80X88X8	80	88	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	88 $\pm 0.070$	16.17
MRTS-80X92X9	80	92	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	92 $\pm 0.070$	9.17
MRTS-80X95X11	80	95	11	12 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\pm 0.070$	9.32
MRTS-80X96X9.5	80	96	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	96 $\pm 0.070$	8.37
MRTS-85X93X8	85	93	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	93 $\pm 0.070$	9.77
MRTS-86X101X12	86	101	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	86 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	101 $\pm 0.070$	9.40
MRTS-90X102X9	90	102	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	102 $\pm 0.070$	9.62
MRTS-90X105X11.5	90	105	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\pm 0.070$	9.45
MRTS-90X110X14	90	110	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\pm 0.070$	11.02
MRTS-92X107X11.4	92	107	11.4	12.4 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	92 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	107 $\pm 0.070$	11.04
MRTS-100X108X8	100	108	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	108 $\pm 0.070$	25.24
MRTS-100X115X12	100	115	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\pm 0.070$	11.61
MRTS-110X120X11.5	110	120	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\pm 0.070$	10.83
MRTS-110X125X11.3	110	125	11.3	12.3 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\pm 0.080$	11.55
MRTS-120X128X8	120	128	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	120 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	128 $\pm 0.080$	11.91

## STYLE MHMU ROD U-SEALS



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



### SEAL INFORMATION

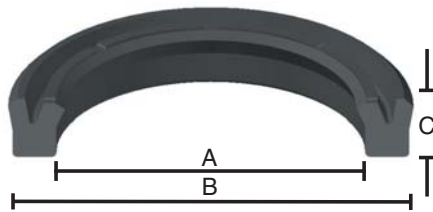
MATERIAL	URETHANE
TEMPERATURE RANGE	-50 TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	1.5 FT/SEC
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	ID	OD	H	List Price
MHMU-12X19X5U	12	19	5	\$ 8.18
MHMU-14X21X5U	14	21	5	8.18
MHMU-18X25X5U	18	25	5	8.29
MHMU-22X29X5U	22	29	5	8.29
MHMU-28X36X5.7U	28	36	5.7	8.36
MHMU-36X44X5.7U	36	44	5.7	8.36

Part Number	ID	OD	H	List Price
MHMU-45X53X5.7U	45	53	5.7	\$ 8.46
MHMU-56X66X6.5U	56	66	6.5	8.72
MHMU-70X80X6.5U	70	80	6.5	8.89
MHMU-90X100X6.5U	90	100	6.5	9.05
MHMU-110X125X9.6U	110	125	9.6	10.72
MHMU-140X155X9.6U	140	155	9.6	13.86

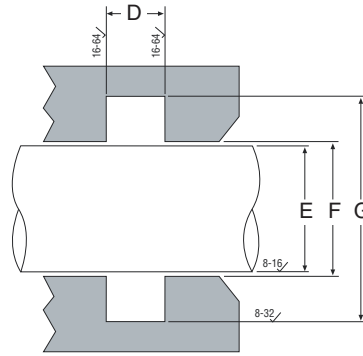
# STYLE MRUN ROD U-SEALS

The MRUN Rod U-seal is designed with improved oil resistance and compression set versus urethane seals. The addition of a u-seal back-up ring will increase the pressure range of the seal from 2,000 psi to 3,000 psi.



### PART NUMBERS

**MRUN - 20 X 28 X 5**  
 Type of Seal    Rod Diameter    Groove Diameter    Height



### SEAL INFORMATION

MATERIAL	NITRILE
TEMPERATURE RANGE	-8° F TO +212° F
PRESSURE RANGE	0 TO 2,000 psi W/O BACK-UP 0 TO 3,000 psi W/ BACK-UP
SPEED	3 ft/sec
SUFFIX	LT = LOW TEMPERATURE NITRILE (-67° F TO +176° F)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Throat Diameter	G Housing Diameter	List Price
MRUN-20X28X5-LT	20	28	5	5.7 ±0.20	20 -0.020 -0.053	20 +0.052 -0.000	28 +0.00 -0.20	\$ 27.84
MRUN-22.4X30.4X5	22.4	30.4	5	5.7 ±0.20	22.4 -0.020 -0.053	22.4 +0.052 -0.000	30.4 +0.00 -0.20	14.70
MRUN-30X40X6	30	40	6	7.0 ±0.20	30 -0.020 -0.053	30 +0.052 -0.000	40 +0.00 -0.20	16.89
MRUN-32X42X6	32	42	6	7.0 ±0.20	32 -0.025 -0.064	32 +0.062 -0.000	42 +0.00 -0.20	28.93
MRUN-40X50X7	40	50	7	8.0 ±0.20	40 -0.025 -0.064	40 +0.062 -0.000	50 +0.00 -0.20	27.26
MRUN-40X50X8	40	50	8	9.0 ±0.20	40 -0.025 -0.064	40 +0.062 -0.000	50 +0.00 -0.20	32.22
MRUN-45X55X7	45	55	7	8.0 ±0.20	45 -0.025 -0.064	45 +0.062 -0.000	55 +0.00 -0.20	18.17
MRUN-45X56X7	45	56	7	8.0 ±0.20	45 -0.025 -0.064	45 +0.062 -0.000	56 +0.00 -0.20	18.32
MRUN-50X63X8	50	63	8	9.0 ±0.20	50 -0.025 -0.064	50 +0.062 -0.000	63 +0.00 -0.20	33.32
MRUN-50X63X10	50	63	10	11.0 ±0.20	50 -0.025 -0.064	50 +0.062 -0.000	63 +0.00 -0.20	19.38
MRUN-55X68X10	55	68	10	11.0 ±0.20	55 -0.030 -0.076	55 +0.074 -0.000	68 +0.00 -0.20	29.33
MRUN-60X73X10	60	73	10	11.0 ±0.20	60 -0.030 -0.076	60 +0.074 -0.000	73 +0.00 -0.20	21.83
MRUN-65X78X10	65	78	10	11.0 ±0.20	65 -0.030 -0.076	65 +0.074 -0.000	78 +0.00 -0.20	23.91
MRUN-70X83X10	70	83	10	11.0 ±0.20	70 -0.030 -0.076	70 +0.074 -0.000	83 +0.00 -0.20	33.36
MRUN-75X88X10	75	88	10	11.0 ±0.20	75 -0.030 -0.076	75 +0.074 -0.000	88 +0.00 -0.20	19.41
MRUN-80X93X10	80	93	10	11.0 ±0.20	80 -0.030 -0.076	80 +0.074 -0.000	93 +0.00 -0.20	29.12
MRUN-80X95X8	80	95	8	9.0 ±0.20	80 -0.030 -0.076	80 +0.074 -0.000	95 +0.00 -0.20	30.38
MRUN-85X100X10	85	100	10	11.0 ±0.20	85 -0.036 -0.090	85 +0.087 -0.000	100 +0.00 -0.20	32.14

# STYLE MRUN ROD U-SEALS



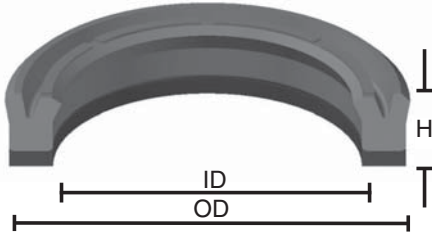
Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Throat Diameter	G Housing Diameter	List Price
MRUN-90X105X9	90	105	9	10.0 ±0.20	90 -0.036 -0.090	105 +0.00 -0.20	105 +0.00 -0.20	\$ 21.50
MRUN-90X105X10	90	105	10	11.0 ±0.20	90 -0.036 -0.090	90 +0.087 -0.000	105 +0.00 -0.20	26.07
MRUN-90X110X12	90	110	12	13.0 ±0.20	90 -0.036 -0.090	90 +0.087 -0.000	110 +0.00 -0.20	39.10
MRUN-95X110X9	95	110	9	10.0 ±0.20	95 -0.036 -0.090	90 +0.087 -0.000	110 +0.00 -0.20	20.98
MRUN-95X110X10.5	95	110	10.5	11.5 ±0.20	95 -0.036 -0.090	95 +0.087 -0.000	110 +0.00 -0.20	28.05
MRUN-95X115X12	95	115	12	13.0 ±0.20	95 -0.036 -0.090	95 +0.087 -0.000	115 +0.00 -0.20	42.08
MRUN-100X115X10	100	115	10	11.0 ±0.20	100 -0.036 -0.090	100 +0.087 -0.000	115 +0.00 -0.20	22.60
MRUN-105X120X9	105	120	9	11.0 ±0.20	100 -0.036 -0.090	100 +0.087 -0.000	115 +0.00 -0.20	69.54
MRUN-105X125X12	105	125	12	13.0 ±0.20	105 -0.036 -0.090	105 +0.087 -0.000	125 +0.00 -0.20	47.07
MRUN-105X125X15	105	125	15	13.0 ±0.20	105 -0.036 -0.090	105 +0.087 -0.000	125 +0.00 -0.20	48.62
MRUN-110X130X10	110	130	10	11.0 ±0.20	110 -0.036 -0.090	110 +0.087 -0.000	130 +0.00 -0.20	40.12
MRUN-115X130X10	115	130	10	11.0 ±0.20	115 -0.036 -0.090	115 +0.087 -0.000	130 +0.00 -0.20	66.80
MRUN-115X130X10-LT	115	130	10	11.0 ±0.20	115 -0.036 -0.090	115 +0.087 -0.000	130 +0.00 -0.20	71.56
MRUN-120X140X10	120	140	10	11.0 ±0.20	120 -0.036 -0.090	120 +0.087 -0.000	140 +0.00 -0.20	48.20
MRUN-125X145X12	125	145	12	13.0 ±0.20	125 -0.043 -0.106	125 +0.100 -0.000	145 +0.00 -0.20	80.37
MRUN-130X145X10	130	145	10	11.0 ±0.20	130 -0.043 -0.106	130 +0.100 -0.000	145 +0.00 -0.20	164.97
MRUN-130X150X12	130	150	12	13.0 ±0.20	130 -0.043 -0.106	130 +0.100 -0.000	150 +0.00 -0.20	56.52
MRUN-140X160X12	140	160	12	13.0 ±0.20	140 -0.043 -0.106	140 +0.100 -0.000	160 +0.00 -0.20	55.44
MRUN-180X205X15.5	180	205	15.5	16.5 ±0.20	180 -0.043 -0.106	180 +0.100 -0.000	205 +0.00 -0.20	119.25

ROD U-SEALS



## STYLE MRUNB ROD U-SEAL WITH BACK-UP RINGS

The MRUNB Rod U-seal is designed to prevent extrusion damage. The addition of the u-seal back-up ring increases the pressure range of the seal from 2,000 psi to 3,000 psi.



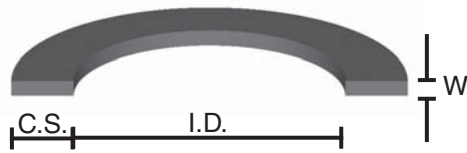
### SEAL INFORMATION

MATERIAL	NITRILE AND PTFE
TEMPERATURE RANGE	-8° F TO +212° F
PRESSURE RANGE	0 TO 3,000 PSI
SPEED	3 FT/SEC
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MRUNB-20X28X7-LT	\$ 32.19	MRUNB-55X68X13	\$ 31.16	MRUNB-80X93X13	\$ 31.35	MRUNB-110X130X13	\$ 49.07
MRUNB-40X50X10	17.29	MRUNB-60X73X13	26.30	MRUNB-85X100X13	33.84	MRUNB-120X140X14	50.45
MRUNB-45X55X10	32.74	MRUNB-65X78X13	26.81	MRUNB-90X105X13	36.00	MRUNB-130X150X16	74.55
MRUNB-45X56X10	24.86	MRUNB-70X83X13	28.10	MRUNB-95X110X13.5	37.60	MRUNB-140X160X16	75.51
MRUNB-50X63X13	27.50	MRUNB-75X88X13	30.36	MRUNB-100X115X13	38.00		

# STYLE MBN U-SEAL BACK-UP RINGS

Hard nylon back-up rings for use with U-seals.



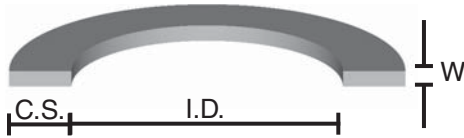
## SEAL INFORMATION

MATERIAL	NYLON
TEMPERATURE RANGE	-67° TO +212° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) - (ID) X (CS) X (W)

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MBN-75X2.5X2.5	\$ 26.14	MBN-155X5X4	\$ 35.67	MBN-70X7.5X3	\$ 8.45	MBN-80X10X3	\$ 10.19
MBN-28X3.7X1.5	13.54	MBN-45X5.5X2.5	14.32	MBN-75X7.5X3	8.45	MBN-85X10X3	10.19
MBN-40X4X1.4	16.72	MBN-63X6X1.5	5.94	MBN-80X7.5X3	10.19	MBN-90X10X3	10.19
MBN-42X4X1.5	5.80	MBN-50X6.5X3	3.20	MBN-85X7.5X1.9	5.22	MBN-95X10X3	10.19
MBN-25X5X2	5.78	MBN-60X6.5X3	8.45	MBN-85X7.5X3	10.19	MBN-100X10X3	11.86
MBN-30X5X3	7.27	MBN-65X6.5X3	8.45	MBN-90X7.5X3	10.19	MBN-105X10X3	11.86
MBN-35X5X1.8	20.64	MBN-70X6.5X3	8.45	MBN-95X7.5X3	10.19	MBN-110X10X3	11.86
MBN-40X5X1.5	10.05	MBN-75X6.5X3	8.45	MBN-100X7.5X3	11.86	MBN-120X10X3	12.70
MBN-40X5X2.5	17.01	MBN-80X6.5X3	10.19	MBN-105X7.5X3	11.86	MBN-125X10X3	28.56
MBN-50X5X1.6	24.77	MBN-40X7.5X3	8.45	MBN-110X7.5X3	11.86	MBN-130X10X3	16.72
MBN-130X5X2	8.57	MBN-45X7.5X3	8.45	MBN-120X7.5X3	11.86	MBN-140X10X3	21.32
MBN-60X8X3	10.37	MBN-50X7.5X2.5	20.90	MBN-140X7.5X3	77.41	MBN-160X12.5X3	43.90
MBN-75X5X3	17.01	MBN-50X7.5X3	8.45	MBN-55X8X3	4.45	MBN-160X12.5X3.5	35.46
MBN-120X5X2	3.89	MBN-60X7.5X2.5	8.45	MBN-60X10X3	8.45	MBN-170X12.5X3	50.84
MBN-132X5X4	32.74	MBN-65X7.5X3	8.45	MBN-70X10X3	8.45	MBN-180X12.5X3.5	36.38
MBN-145X5X4	34.52	MBN-70X7.5X1.6	16.94	MBN-75X10X3	8.45		

# STYLE MBT U-SEAL BACK-UP RINGS

Filled PTFE back-up rings primarily used with U-seals.



SUFFIX:  
 S = SPLIT RING  
 B = BRONZE FILLED PTFE  
 G = GLASS FILLED PTFE  
 M = MOLY FILLED PTFE

## SEAL INFORMATION

MATERIAL	FILLED PTFE
TEMPERATURE RANGE	-100° TO +500° F
PRESSURE RANGE	0 TO 5,000 PSI
PART NUMBER	(Prefix) - (ID) X (CS) X (W)

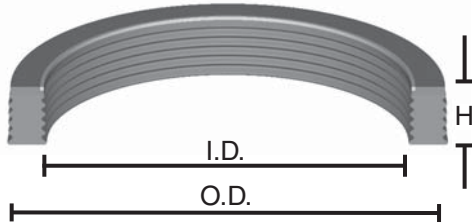
Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MBT-8X5X2SB	\$ 1.81	MBT-32X4X1SG	\$ 11.99	MBT-56X5X1.5	\$ 5.18	MBT-64X8X3SB	\$ 11.00
MBT-10X5X2SB	1.81	MBT-32X4.8X1.5SG	7.43	MBT-48X7.5X2SG	7.72	MBT-65X5X1.5SG	5.99
MBT-12X3.15X1.5	0.77	MBT-32X5X2SG	6.86	MBT-48X7.5X3SB	7.39	MBT-65X5X3SB	9.39
MBT-14X3.15X1.5	0.77	MBT-32X8X3B	10.74	MBT-50X5X1.5SG	5.71	MBT-65X6.5X3SB	22.25
MBT-14X5X2SB	1.96	MBT-34X8X3SB	6.14	MBT-50X5X1.9	7.21	MBT-65X7.5X2SG	8.04
MBT-16X4X2SB	1.81	MBT-35X5X1.5SG	5.49	MBT-50X5X3SB	15.26	MBT-65X7.5X3SB	20.90
MBT-16X5X2SB	2.27	MBT-35X5X2SG	6.86	MBT-50X6.5X2SG	9.49	MBT-65X10X3	15.89
MBT-18X3.5X1.5	1.00	MBT-35X5X3SB	14.38	MBT-50X6.5X3SB	15.89	MBT-66X6.5X3SB	17.56
MBT-18X4X2SB	2.12	MBT-35X7.5X3SB	5.67	MBT-50X7.5X0.6	4.53	MBT-67X5X3SB	9.39
MBT-18X5X2SB	2.27	MBT-35.5X4.75X3SB	5.15	MBT-50X7.5X2SG	6.15	MBT-70X5X1.5	5.98
MBT-20X1X.85GM	7.65	MBT-35.5X7.5X3SB	6.02	MBT-50X7.5X3	9.08	MBT-70X5X1.5SG	6.21
MBT-20X5X2SB	2.27	MBT-36X4X1.5	1.69	MBT-50X8X3G	12.87	MBT-70X5X3SB	14.99
MBT-22X3.5X1.5	1.12	MBT-38X5X3SB	9.03	MBT-50X10X3SB	9.93	MBT-70X6.5X3SB	13.02
MBT-22X4X1SG	4.40	MBT-40X5X0.5	6.04	MBT-50.4X7.3X3SB	8.28	MBT-70X7.5X2SG	8.52
MBT-22.4X5.3X2SB	2.27	MBT-40X5X1.5	5.62	MBT-53X5X2SG	3.55	MBT-70X7.5X3SB	11.25
MBT-23.5X4X2SB	2.27	MBT-40X5X2SG	11.36	MBT-55X5X1.5SG	5.78	MBT-70X10X3C	14.24
MBT-25X4X1SG	5.14	MBT-40X5X3SB	10.23	MBT-55X5X3SB	18.69	MBT-71X4.5X3SB	9.69
MBT-25X4X2SB	2.73	MBT-40X6.5X2SG	8.18	MBT-55X6.5X3SB	18.40	MBT-71X5X3SB	9.83
MBT-25X5X2SB	7.68	MBT-40X7.5X3SB	10.75	MBT-55X7.5X2SG	4.87	MBT-71X10X3SB	13.13
MBT-25X6.5X2SB	3.18	MBT-40X7.5X3SB	10.75	MBT-55X7.5X3SB	10.98	MBT-75X5X1.5SG	6.35
MBT-26X2X2.5SG	10.98	MBT-40X7.5X3SB	10.75	MBT-55X8X3SB	19.30	MBT-75X5X2SG	9.62
MBT-27X6.5X3SB	5.15	MBT-40X8X3SB	7.05	MBT-55X10X3SB	21.88	MBT-75X5X3SB	16.26
MBT-28X3.75X3SB	3.93	MBT-42X6.5X2SG	5.99	MBT-56X5X3SB	7.72	MBT-75X6.5X3SB	12.12
MBT-28X4X1.5	2.50	MBT-45X4X1.5	2.11	MBT-60X5X1.5SG	5.84	MBT-75X7.5X2SG	7.70
MBT-28X6X3SB	5.15	MBT-45X5X1.5SG	5.27	MBT-60X5X3SB	19.23	MBT-75X7.5X3SB	19.84
MBT-28X6.5X3SB	5.15	MBT-45X5X2SGM	11.81	MBT-60X5.5X3SB	8.78	MBT-75X10X2C	14.69
MBT-29.5X3X1.25	1.30	MBT-45X5X3SGM	14.38	MBT-60X6.5X3SB	11.59	MBT-75X10X3SB	14.03
MBT-30X5X1.5SG	5.27	MBT-45X5.5X0.5	4.94	MBT-60X7.5X0.5	14.38	MBT-76X6.9X3SB	21.64
MBT-30X5X1.9SB	1.71	MBT-45X5.5X3SB	6.52	MBT-60X7.5X3SB	14.31	MBT-80X5X3SB	17.03
MBT-30X5X3SB	4.37	MBT-45X7.5X3	20.12	MBT-60X10X3SB	10.63	MBT-80X6.5X3SB	24.29
MBT-30X6.5X3SB	8.73	MBT-45X8X3SB	7.84	MBT-63X5X3SB	8.61	MBT-80X7.5X3SB	16.89
MBT-31.5X6.5X3SB	5.15	MBT-45X10X3B	13.96	MBT-63.5X3.8X4.3SB	21.64	MBT-84X10X2.5SG	42.60

## STYLE MBT U-SEAL BACK-UP RINGS

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MBT-85X7.5X2SG	\$ 7.14	MBT-105X7.5X3SB	\$ 29.13	MBT-135X7.5X3SB	\$ 22.42	MBT-160X7.5X4SB	\$ 24.91
MBT-85X7.5X3SB	28.37	MBT-105X10X3SB	19.07	MBT-135X10X3SB	24.03	MBT-160X10X3SB	26.56
MBT-85X10X3SB	16.35	MBT-110X7.5X3SB	29.89	MBT-135X12.5X3SB	30.38	MBT-160X10X4SB	34.93
MBT-90X5X1.9	4.90	MBT-110X10X3SB	21.13	MBT-136X7X3SB	20.93	MBT-165X7.5X4SB	26.27
MBT-90X5X2SG	8.32	MBT-112X6.5X3SB	19.68	MBT-140X7.5X3SB	23.05	MBT-170X4.5X1.9	6.28
MBT-90X7.5X2SG	7.35	MBT-115X7.5X2G	15.05	MBT-140X10X3SB	23.92	MBT-170X5X4SB	33.61
MBT-90X7.5X3SB	21.20	MBT-115X7.5X3SB	19.20	MBT-140X10X4SB	21.51	MBT-170X7.5X4SB	28.24
MBT-90X10X3	17.03	MBT-115X8.5X3SB	21.93	MBT-140X12.5X3SB	31.43	MBT-170X10X4SB	36.88
MBT-95X7.5X2SG	8.25	MBT-115X10X3SB	29.37	MBT-145X7.5X3SB	23.90	MBT-170X15X4SB	57.14
MBT-95X7.5X3SB	29.89	MBT-120X7.5X3SB	20.08	MBT-145X10X3SB	25.61	MBT-175X7.5X4SB	29.10
MBT-95X10X3	17.71	MBT-120X10X3SB	21.80	MBT-150X7.5X3SB	24.77	MBT-175X12.5X4SB	48.17
MBT-100X7.5X1.5	7.29	MBT-125X7.5X3SB	20.68	MBT-150X10X3SB	24.52	MBT-190X4.5X1.9	6.89
MBT-100X7.5X3SB	28.31	MBT-125X12.5X3SB	28.21	MBT-155X7.5X4SB	23.78	MBT-200X12.5X4SB	39.35
MBT-100X10X3SB	18.42	MBT-130X7.5X3SB	32.69	MBT-155X10X4SB	34.07	MBT-280X12.5X4SB	74.94
MBT-105X7.5X2SG	8.82	MBT-130X10X3SB	23.51	MBT-155X12.5X4SB	43.01		

## STYLE MSMR ROD SEAL W/BACK-UP RINGS

With redundant nitrile lips and an acetal back-up, this seal features high sealability and extrusion resistance.



### SEAL INFORMATION

MATERIAL	NBR SEAL ACETAL BACK-UP HEADER OF URETHANE, ACETAL, OR FABRIC - REINFORCED RUBBER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 10,000 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

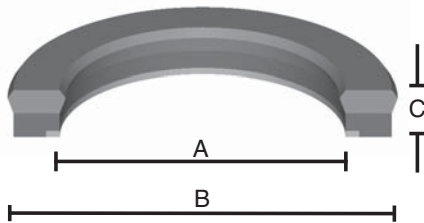
ROD SEALS W/BACK-UP RINGS

Part Number	List Price	Part Number	List Price	Part Number	List Price	Part Number	List Price
MSMR-25X37X21.5	\$ 15.47	MSMR-50X65X21	\$ 15.85	MSMR-63X83X30	\$ 21.63	MSMR-100X120X29	\$ 23.62
MSMR-32X47X22.5	14.62	MSMR-50X65X22.5	16.21	MSMR-65X85X29	35.61	MSMR-100X120X30	27.20
MSMR-35X45X24.5	11.81	MSMR-50X65X24.5	19.31	MSMR-70X83X25	19.40	MSMR-105X125X30	32.89
MSMR-35X47X21	11.81	MSMR-55X70X21	14.81	MSMR-70X85X22.5	20.19	MSMR-115X130X21	24.61
MSMR-40X50X17.3	13.85	MSMR-55X70X22.5	34.04	MSMR-70X90X28	19.13	MSMR-125X140X21	26.20
MSMR-40X52X22.5	12.36	MSMR-55X70X25	16.43	MSMR-70X90X30	28.94	MSMR-125X145X28	30.86
MSMR-40X55X22.5	13.73	MSMR-56X71X24	17.72	MSMR-75X95X30	38.46	MSMR-130X155X25.5	33.67
MSMR-40X60X28.5	13.30	MSMR-60X75X22.5	17.35	MSMR-80X95X22.5	61.48	MSMR-140X160X30	67.31
MSMR-45X60X22.5	19.02	MSMR-60X80X30	17.57	MSMR-80X100X30	30.38	MSMR-160X180X26.5	33.54
MSMR-45X65X28	21.75	MSMR-60X80X31	17.72	MSMR-90X110X30	31.06	MSMR-180X205X33	60.20
MSMR-45X80X43	14.14	MSMR-63X83X25	24.88	MSMR-95X110X21.5	23.12	MSMR-200X225X34	90.36
MSMR-50X63X20	13.62	MSMR-63X83X27	43.28	MSMR-95X115X26	23.62		

# STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS

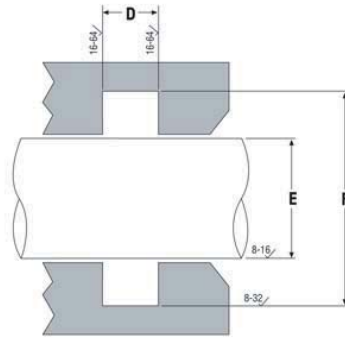


Incorporating a rubber seal lip, a rubberized fabric heel, and an acetal back-up ring, this seal provides excellent sealability and high extrusion resistance.



### PART NUMBERS

**MUFN - 16 X 24 X 6.5EI**  
 Type of Seal | I.D. | O.D. | Height



### SEAL INFORMATION

MATERIAL	NBR 80 DURO SEAL NEO-FAB HEEL ACETAL ANTI-EXTRUSION RING
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 6,000 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MUFN-16X24X6.5EI	16	24	6.5	7.5 +0.200 0.000	16 -0.016 -0.043	24 ±0.042	\$ 7.25
MUFN-20X28X6.5EI	20	28	6.5	7.5 +0.200 0.000	20 -0.020 -0.053	28 ±0.042	6.90
MUFN-22X30X6.5EI	22	30	6.5	7.5 +0.200 0.000	22 -0.020 -0.053	30 ±0.042	7.12
MUFN-22X35X9.5EI	22	35	9.5	10.5 +0.200 0.000	22 -0.020 -0.053	35 ±0.050	7.94
MUFN-25X33X6EI	25	33	6	7 +0.200 0.000	25 -0.020 -0.053	33 ±0.050	6.36
MUFN-25X33X6.5EI	25	33	6.5	7.5 +0.200 0.000	25 -0.020 -0.053	33 ±0.050	7.12
MUFN-25X33X7EI	25	33	7	8 +0.200 0.000	25 -0.020 -0.053	33 ±0.050	8.15
MUFN-25X35X7.5EI	25	35	7.5	8.5 +0.200 0.000	25 -0.020 -0.053	35 ±0.050	6.23
MUFN-25X35X8EI	25	35	8	9 +0.200 0.000	25 -0.020 -0.053	35 ±0.050	6.57
MUFN-25X37X10EI	25	37	10	11 +0.200 0.000	25 -0.020 -0.053	37 ±0.050	7.57
MUFN-25X38X9.5EI	25	38	9.5	10.5 +0.200 0.000	25 -0.020 -0.053	38 ±0.050	7.94
MUFN-28X38X7.5EI	28	38	7.5	8.5 +0.200 0.000	28 -0.020 -0.053	38 ±0.050	7.57
MUFN-28X38X8EI	28	38	8	9 +0.200 0.000	28 -0.020 -0.053	38 ±0.050	7.57
MUFN-28X40X9EI	28	40	9	10 +0.200 0.000	28 -0.020 -0.053	40 ±0.050	6.70
MUFN-30X38X6EI	30	38	6	7 +0.200 0.000	30 -0.020 -0.053	38 ±0.050	6.70
MUFN-30X40X7EI	30	40	7	8 +0.200 0.000	30 -0.020 -0.053	40 ±0.050	7.94
MUFN-30X40X10EI	30	40	10	11 +0.200 0.000	30 -0.020 -0.053	40 ±0.050	7.80
MUFN-30X45X10.5EI	30	45	10.5	11.5 +0.200 0.000	30 -0.020 -0.053	45 ±0.050	8.28


**STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS**
**ROD SEALS W/BACK-UP RINGS**

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MUFN-32X40X8.5EI	32	40	8.5	9.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	32 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	40 $\pm 0.050$	\$ 8.28
MUFN-32X42X8EI	32	42	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	32 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	42 $\pm 0.050$	6.70
MUFN-32X45X9.5EI	32	45	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	32 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	45 $\pm 0.050$	7.57
MUFN-35X43X6EI	35	43	6	7 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	43 $\pm 0.050$	8.95
MUFN-35X45X6.5EI	35	45	6.5	7.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	45 $\pm 0.050$	8.28
MUFN-35X45X7.5EI	35	45	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	45 $\pm 0.050$	8.28
MUFN-35X45X10EI	35	45	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	45 $\pm 0.050$	8.03
MUFN-35X50X10.5EI	35	50	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	35 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	8.49
MUFN-36X43X6EI	36	43	6	7 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	36 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	43 $\pm 0.050$	12.92
MUFN-36X46X8EI	36	46	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	36 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	46 $\pm 0.050$	8.28
MUFN-36X48X9EI	36	48	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	36 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	48 $\pm 0.050$	8.40
MUFN-40X48X6EI	40	48	6	7 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	48 $\pm 0.050$	8.49
MUFN-40X50X7.5EI	40	50	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	7.71
MUFN-40X50X10EI	40	50	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	7.12
MUFN-40X50X10.5EI	40	50	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	50 $\pm 0.050$	8.62
MUFN-40X52X10.5EI	40	52	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	52 $\pm 0.060$	9.06
MUFN-40X55X10.5EI	40	55	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	40 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	8.40
MUFN-45X53X8EI	45	53	8	9 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	53 $\pm 0.060$	9.30
MUFN-45X53X10.5EI	45	53	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	53 $\pm 0.060$	9.52
MUFN-45X55X7EI	45	55	7	8 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	9.64
MUFN-45X55X7.5EI	45	55	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	9.64
MUFN-45X55X10.5EI	45	55	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	55 $\pm 0.060$	9.52
MUFN-45X60X10EI	45	60	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	9.06
MUFN-45X60X10.5EI	45	60	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	9.52
MUFN-45X65X14EI	45	65	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	45 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\pm 0.060$	9.97
MUFN-48X60X10.5EI	48	60	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	48 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	9.64

# STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS



ROD SEALS W/BACK-UP RINGS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MUFN-50X60X7.5EI	50	60	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	\$ 9.52
MUFN-50X60X9.5EI	50	60	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	13.91
MUFN-50X60X10EI	50	60	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	60 $\pm 0.060$	10.77
MUFN-50X62X9EI	50	62	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	62 $\pm 0.060$	9.64
MUFN-50X62X9.5EI	50	62	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	62 $\pm 0.060$	9.64
MUFN-50X65X10.5EI	50	65	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\pm 0.060$	10.22
MUFN-50X65X11EI	50	65	11	12 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	65 $\pm 0.060$	16.10
MUFN-50X70X13.5EI	50	70	13.5	14.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	70 $\pm 0.060$	10.22
MUFN-50X70X14EI	50	70	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	50 $\begin{smallmatrix} -0.025 \\ -0.064 \end{smallmatrix}$	70 $\pm 0.060$	10.22
MUFN-55X65X7.5EI	55	65	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	65 $\pm 0.060$	8.77
MUFN-55X65X10.5EI	55	65	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	65 $\pm 0.060$	9.18
MUFN-55X70X10EI	55	70	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	55 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	10.07
MUFN-56X71X10EI	56	71	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\pm 0.060$	11.15
MUFN-56X71X12EI	56	71	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	56 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	71 $\pm 0.060$	12.59
MUFN-60X70X7.5EI	60	70	7.5	8.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	14.29
MUFN-60X70X9.5EI	60	70	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	10.65
MUFN-60X70X10.5EI	60	70	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	10.41
MUFN-60X70X12.5EI	60	70	12.5	13.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	70 $\pm 0.060$	10.33
MUFN-60X72X9.5EI	60	72	9.5	10.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	72 $\pm 0.060$	11.68
MUFN-60X75X12.5EI	60	75	12.5	13.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	60 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\pm 0.060$	11.68
MUFN-63X75X10EI	63	75	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\pm 0.060$	17.34
MUFN-63X78X12.5EI	63	78	12.5	13.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	63 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	78 $\pm 0.060$	13.82
MUFN-65X75X13EI	65	75	13	14 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	75 $\pm 0.060$	11.68
MUFN-65X85X14EI	65	85	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	65 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\pm 0.070$	13.14
MUFN-70X80X12.5EI	70	80	12.5	13.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	80 $\pm 0.060$	11.10
MUFN-70X84X12EI	70	84	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	84 $\pm 0.070$	12.04


**STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS**
**ROD SEALS W/BACK-UP RINGS**

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MUFN-70X85X12EI	70	85	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\pm 0.070$	\$ 12.25
MUFN-70X90X14EI	70	90	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	70 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	90 $\pm 0.070$	13.35
MUFN-75X85X12EI	75	85	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	75 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	85 $\pm 0.070$	13.70
MUFN-80X95X10EI	80	95	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\pm 0.070$	15.19
MUFN-80X95X12.5EI	80	95	12.5	13.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	95 $\pm 0.070$	15.19
MUFN-80X96X10EI	80	96	10	11 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	96 $\pm 0.070$	15.63
MUFN-80X100X12EI	80	100	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	100 $\pm 0.070$	15.19
MUFN-80X100X14EI	80	100	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	80 $\begin{smallmatrix} -0.030 \\ -0.076 \end{smallmatrix}$	100 $\pm 0.070$	15.53
MUFN-85X100X12EI	85	100	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	85 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	100 $\pm 0.070$	15.07
MUFN-90X100X10.5EI	90	100	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	100 $\pm 0.070$	15.19
MUFN-90X105X12EI	90	105	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	105 $\pm 0.070$	15.76
MUFN-90X110X12EI	90	110	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\pm 0.070$	15.53
MUFN-90X110X14EI	90	110	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	90 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\pm 0.070$	17.00
MUFN-95X110X12EI	95	110	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	95 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	110 $\pm 0.070$	29.25
MUFN-100X115X12EI	100	115	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\pm 0.070$	18.36
MUFN-100X120X11.5EI	100	120	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\pm 0.070$	18.36
MUFN-100X120X12EI	100	120	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\pm 0.070$	15.98
MUFN-100X120X14EI	100	120	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	100 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\pm 0.070$	18.36
MUFN-105X115X10.5EI	105	115	10.5	11.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	115 $\pm 0.070$	17.68
MUFN-105X120X13EI	105	120	13	14 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	105 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	120 $\pm 0.070$	19.05
MUFN-110X125X11.5EI	110	125	11.5	12.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	125 $\pm 0.080$	20.41
MUFN-110X130X12EI	110	130	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	130 $\pm 0.080$	22.20
MUFN-110X135X18.8EI	110	135	18.8	20 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	110 $\begin{smallmatrix} -0.036 \\ -0.090 \end{smallmatrix}$	135 $\pm 0.080$	23.74
MUFN-125X150X14EI	125	150	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	125 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	150 $\pm 0.080$	25.48
MUFN-130X145X9EI	130	145	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	130 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	145 $\pm 0.080$	26.76
MUFN-140X155X12EI	140	155	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	155 $\pm 0.080$	26.39

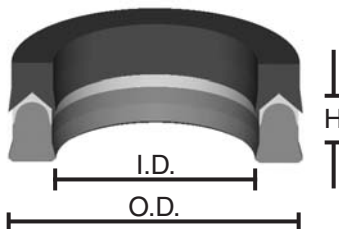
## STYLE MUFN-EI ROD U-SEALS W/BACK-UP RINGS



Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Groove Width	E Rod Diameter	F Housing Diameter	List Price
MUFN-140X160X11EI	140	160	11	12 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	160 $\pm 0.080$	\$ 25.71
MUFN-140X160X12EI	140	160	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	140 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	160 $\pm 0.080$	31.86
MUFN-145X157.7X9EI	145	157.7	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	145 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	157.7 $\pm 0.080$	15.63
MUFN-150X170X13.5EI	150	170	13.5	14.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	150 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	170 $\pm 0.080$	19.13
MUFN-151X164X12EI	151	164	12	13 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	151 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	164 $\pm 0.080$	47.48
MUFN-160X175X15EI	160	175	15	16 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	175 $\pm 0.080$	16.26
MUFN-160X180X14.5EI	160	180	14.5	15.5 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	160 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	180 $\pm 0.080$	20.58
MUFN-170X182.7X9EI	170	182.7	9	10 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	170 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	182.7 $\pm 0.092$	20.29
MUFN-170X185X15EI	170	185	15	16 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	170 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	185 $\pm 0.092$	33.57
MUFN-180X200X14EI	180	200	14	15 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	180 $\begin{smallmatrix} -0.043 \\ -0.106 \end{smallmatrix}$	200 $\pm 0.092$	42.19
MUFN-200X220X16EI	200	220	16	17 $\begin{smallmatrix} +0.200 \\ 0.000 \end{smallmatrix}$	200 $\begin{smallmatrix} -0.050 \\ -0.122 \end{smallmatrix}$	220 $\pm 0.092$	33.57

## STYLE MUFN-BR ROD U-SEALS W/HEADERS

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



### SEAL INFORMATION

MATERIAL	RUBBER, FABRIC, POLYESTER ELASTOMER
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	1.64 FPS / 3600 PSI 0.49 FPS / 5800 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	I.D.	O.D.	H.	List Price
MUFN-78X88X12BR-M-F	78	88	12	\$ 22.09
MUFN-98X108X12BR-M-F	98	108	12	24.74
MUFN-117X127X14BR-M-F	117	127	14	29.22
MUFN-136X146X14BR-M-F	136	146	14	33.33

Part Number	I.D.	O.D.	H.	List Price
MUFN-155X165X14BR-M-F	155	165	14	\$ 48.73
MUFN-176X188X16BR-M-F	176	188	16	60.05
MUFN-198X210X17.5BR-M-F	198	210	17.5	60.05

# STYLE MUKRN ROD U-SEALS

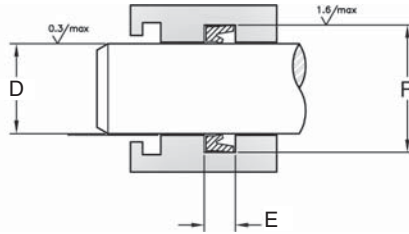
MUKRN is an asymmetrical single-acting pneumatic rod seal. Molded in Nitrile, this seal is resistant to water and most oils while maintaining good low-pressure sealing.



### PART NUMBERS

**MUKRN - 6 X 12 X 4**

Type of Seal | Rod Diameter | Groove Diameter | Height



### SEAL INFORMATION

MATERIAL	80 A NBR
TEMPERATURE RANGE	-22° TO +212° F
PRESSURE RANGE	0 TO 1,500 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Rod Diameter	E Groove Width	F Housing Diameter	List Price
MUKRN-6X12X4	6	12	4	6 -0.010 -0.028	4.5 +0.200 0.000	12 +0.043 0.000	\$ 2.73
MUKRN-8X14X4	8	14	4	8 -0.013 -0.035	4.5 +0.200 0.000	14 +0.043 0.000	4.13
MUKRN-8X16X5.5	8	16	5.5	8 -0.013 -0.035	6 +0.200 0.000	16 +0.043 0.000	2.73
MUKRN-8X18X8	8	18	8	8 -0.013 -0.035	8.5 +0.200 0.000	18 +0.043 0.000	2.73
MUKRN-10X15X3.5	10	15	3.5	10 -0.013 -0.035	4 +0.200 0.000	15 +0.043 0.000	3.04
MUKRN-10X16X4.5	10	16	4.5	10 -0.013 -0.035	5 +0.200 0.000	16 +0.043 0.000	3.04
MUKRN-10X18X5.5	10	18	5.5	10 -0.013 -0.035	6 +0.200 0.000	18 +0.043 0.000	4.08
MUKRN-12X20X5.5	12	20	5.5	12 -0.016 -0.043	6 +0.200 0.000	20 +0.052 0.000	3.04
MUKRN-12X22X5	12	22	5	12 -0.016 -0.043	5.5 +0.200 0.000	22 +0.052 0.000	3.04
MUKRN-12X22X7.5	12	22	7.5	12 -0.016 -0.043	8 +0.200 0.000	22 +0.052 0.000	3.04
MUKRN-14X24X5	14	24	5	14 -0.016 -0.043	5.5 +0.200 0.000	24 +0.052 0.000	3.87
MUKRN-16X22X5	16	22	5	16 -0.016 -0.043	5.5 +0.200 0.000	22 +0.052 0.000	3.87
MUKRN-16X24X5.5	16	24	5.5	16 -0.016 -0.043	6 +0.200 0.000	24 +0.052 0.000	3.87
MUKRN-18X25X4.5	18	25	4.5	18 -0.016 -0.043	5 +0.200 0.000	25 +0.052 0.000	3.87
MUKRN-18X25X5.5	18	25	5.5	18 -0.016 -0.043	6 +0.200 0.000	25 +0.052 0.000	3.87
MUKRN-18X26X5.5	18	26	5.5	18 -0.016 -0.043	6 +0.200 0.000	26 +0.052 0.000	3.87
MUKRN-18X30X8.5	18	30	8.5	18 -0.016 -0.043	9.5 +0.200 0.000	30 +0.052 0.000	3.87

# STYLE MUKRN ROD U-SEALS



Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Rod Diameter	E Groove Width	F Housing Diameter	List Price
MUKRN-20X26X5	20	26	5	20 -0.020 -0.053	5.5 +0.200 0.000	26 +0.052 0.000	\$ 6.97
MUKRN-20X28X5.5	20	28	5.5	20 -0.020 -0.053	6 +0.200 0.000	28 +0.052 0.000	3.87
MUKRN-20X30X6	20	30	6	20 -0.020 -0.053	6.5 +0.200 0.000	30 +0.052 0.000	3.98
MUKRN-22X30X5.5	22	30	5.5	22 -0.020 -0.053	6 +0.200 0.000	30 +0.052 0.000	3.98
MUKRN-23X31X5.5	23	31	5.5	23 -0.020 -0.053	6 +0.200 0.000	31 +0.062 0.000	3.98
MUKRN-25X33X8	25	33	8	25 -0.020 -0.053	8.5 +0.200 0.000	33 +0.062 0.000	3.98
MUKRN-25X35X6	25	35	6	25 -0.020 -0.053	6.5 +0.200 0.000	35 +0.062 0.000	3.98
MUKRN-25X35X7	25	35	7	25 -0.020 -0.053	7.5 +0.200 0.000	35 +0.062 0.000	3.98
MUKRN-25X35X7.5	25	35	7.5	25 -0.020 -0.053	8 +0.200 0.000	35 +0.062 0.000	4.28
MUKRN-25X37X6	25	37	6	25 -0.020 -0.053	6.5 +0.200 0.000	37 +0.062 0.000	4.49
MUKRN-28X36X5.5	28	36	5.5	28 -0.020 -0.053	6 +0.200 0.000	36 +0.062 0.000	4.49
MUKRN-30X40X7	30	40	7	30 -0.020 -0.053	7.5 +0.200 0.000	40 +0.062 0.000	4.49
MUKRN-30X42X8.5	30	42	8.5	30 -0.020 -0.053	9.5 +0.200 0.000	42 +0.062 0.000	4.70
MUKRN-32X40X5.5	32	40	5.5	32 -0.025 -0.064	6 +0.200 0.000	40 +0.062 0.000	5.05
MUKRN-32X42X7	32	42	7	32 -0.025 -0.064	7.5 +0.200 0.000	42 +0.062 0.000	5.05
MUKRN-35X43X8	35	43	8	35 -0.025 -0.064	8.5 +0.200 0.000	43 +0.062 0.000	5.05
MUKRN-35X44X12	35	44	12	35 -0.025 -0.064	13 +0.200 0.000	44 +0.062 0.000	6.44
MUKRN-35X45X7	35	45	7	35 -0.025 -0.064	7.5 +0.200 0.000	45 +0.062 0.000	5.05
MUKRN-36X46X7	36	46	7	36 -0.025 -0.064	7.5 +0.200 0.000	46 +0.062 0.000	5.05
MUKRN-38X48X7	38	48	7	38 -0.025 -0.064	7.5 +0.200 0.000	48 +0.062 0.000	5.31
MUKRN-40X48X5.5	40	48	5.5	40 -0.025 -0.064	6 +0.200 0.000	48 +0.062 0.000	5.31
MUKRN-40X48X8	40	48	8	40 -0.025 -0.064	8.5 +0.200 0.000	48 +0.062 0.000	5.31
MUKRN-40X52X8.5	40	52	8.5	40 -0.025 -0.064	9.5 +0.200 0.000	52 +0.074 0.000	5.56
MUKRN-40X56X12	40	56	12	40 -0.025 -0.064	13 +0.200 0.000	56 +0.074 0.000	6.44
MUKRN-42X52X7	42	52	7	42 -0.025 -0.064	7.5 +0.200 0.000	52 +0.074 0.000	5.81

# STYLE MUKRN ROD U-SEALS

ROD SEALS

Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Rod Diameter	E Groove Width	F Housing Diameter	List Price
MUKRN-44X54X7	44	54	7	44 -0.025 -0.064	7.5 +0.200 0.000	54 +0.074 0.000	\$ 5.81
MUKRN-45X53X8	45	53	8	45 -0.025 -0.064	8.5 +0.200 0.000	53 +0.074 0.000	6.44
MUKRN-45X55X7	45	55	7	45 -0.025 -0.064	7.5 +0.200 0.000	55 +0.074 0.000	5.81
MUKRN-45X65X15	45	65	15	45 -0.025 -0.064	16 +0.200 0.000	65 +0.074 0.000	6.44
MUKRN-48X60X6	48	60	6	48 -0.025 -0.064	6.5 +0.200 0.000	60 +0.074 0.000	5.81
MUKRN-50X58X8	50	58	8	50 -0.025 -0.064	8.5 +0.200 0.000	58 +0.074 0.000	5.81
MUKRN-50X60X7	50	60	7	50 -0.025 -0.064	7.5 +0.200 0.000	60 +0.074 0.000	5.81
MUKRN-50X60X12	50	60	12	50 -0.025 -0.064	13 +0.200 0.000	60 +0.074 0.000	6.32
MUKRN-50X66X12	50	66	12	50 -0.025 -0.064	13 +0.200 0.000	66 +0.074 0.000	6.48
MUKRN-56X66X7	56	66	7	56 -0.030 -0.076	7.5 +0.200 0.000	66 +0.074 0.000	6.48
MUKRN-60X72X8.5	60	72	8.5	60 -0.030 -0.076	9.5 +0.200 0.000	72 +0.074 0.000	6.48
MUKRN-63X75X8.5	63	75	8.5	63 -0.030 -0.076	9.5 +0.200 0.000	75 +0.074 0.000	6.71
MUKRN-65X77X8.5	65	77	8.5	65 -0.030 -0.076	9.5 +0.200 0.000	77 +0.074 0.000	8.62
MUKRN-70X82X8.5	70	82	8.5	70 -0.030 -0.076	9.5 +0.200 0.000	82 +0.087 0.000	8.93
MUKRN-70X85X11.5	70	85	11.5	70 -0.030 -0.076	12.5 +0.200 0.000	85 +0.087 0.000	8.93
MUKRN-70X90X15	70	90	15	70 -0.030 -0.076	16 +0.200 0.000	90 +0.087 0.000	8.93
MUKRN-75X87X8.5	75	87	8.5	75 -0.030 -0.076	9.5 +0.200 0.000	87 +0.087 0.000	9.17
MUKRN-80X92X8.5	80	92	8.5	80 -0.030 -0.076	9.5 +0.200 0.000	92 +0.087 0.000	29.46
MUKRN-85X100X10	85	100	10	85 -0.036 -0.090	11 +0.200 0.000	100 +0.087 0.000	13.26
MUKRN-88X100X8.5	88	100	8.5	88 -0.036 -0.090	9.5 +0.200 0.000	100 +0.087 0.000	13.99
MUKRN-90X100X9	90	100	9	90 -0.036 -0.090	10 +0.200 0.000	100 +0.087 0.000	17.39
MUKRN-95X107X8.5	95	107	8.5	95 -0.036 -0.090	9.5 +0.200 0.000	107 +0.087 0.000	17.50
MUKRN-100X115X10	100	115	10	100 -0.036 -0.090	11 +0.200 0.000	115 +0.087 0.000	18.42
MUKRN-105X120X10	105	120	10	105 -0.036 -0.090	11 +0.200 0.000	120 +0.087 0.000	15.77
MUKRN-110X125X10	110	125	10	110 -0.036 -0.090	11 +0.200 0.000	125 +0.100 0.000	17.19

# STYLE MUKRN ROD U-SEALS

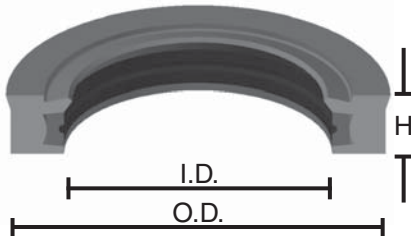


Part Number	A Nom. I.D.	B Nom. O.D.	C Nom. Ht.	D Rod Diameter	E Groove Width	F Housing Diameter	List Price
MUKRN-120X135X10	120	135	10	120 -0.036 -0.090	11 +0.200 0.000	135 +0.100 0.000	\$ 18.11
MUKRN-120X140X15	120	140	15	120 -0.036 -0.090	16 +0.200 0.000	140 +0.100 0.000	19.13
MUKRN-130X145X10	130	145	10	130 -0.043 -0.106	11 +0.200 0.000	145 +0.100 0.000	19.13
MUKRN-135X150X10	135	150	10	135 -0.043 -0.106	11 +0.200 0.000	150 +0.100 0.000	36.62
MUKRN-140X160X14	140	160	14	140 -0.043 -0.106	15 +0.200 0.000	160 +0.100 0.000	20.85
MUKRN-150X170X14	150	170	14	150 -0.043 -0.106	15 +0.200 0.000	170 +0.100 0.000	21.01
MUKRN-155X165X7.5	155	165	7.5	155 -0.043 -0.106	8 +0.200 0.000	165 +0.100 0.000	23.28

ROD SEALS

## STYLE PU-TDI ROD U-SEALS

The PU-TDI tandem seal has a urethane sealing lip with a PTFE insert secondary sealing lip. Under increasing pressure, the outer seal acts to compress the PTFE slide ring onto the rod. This action creates a high force sealing edge of low-frictional resistance. These are genuine Hunger® parts.



### SEAL INFORMATION

MATERIAL	URETHANE BRONZE - FILLED PTFE
TEMPERATURE RANGE	-31° TO +212° F
PRESSURE RANGE	0 TO 6,500 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

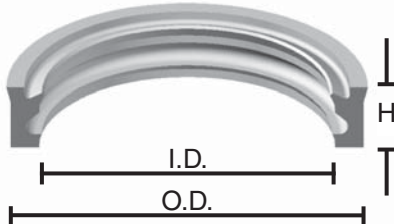
Part Number	ID	OD	HT	List Price
PU-TDI 22X30X7	22	30	7	\$ 25.30
PU-TDI 25X33X7	25	33	7	36.08
PU-TDI 28X36X7	28	36	7	36.08
PU-TDI 30X38X7	30	38	7	36.08
PU-TDI 32X40X7	32	40	7	32.17
PU-TDI 35X43X7	35	43	7	34.57
PU-TDI 36X44X8	36	44	8	36.08
PU-TDI 40X48X8	40	48	8	39.08
PU-TDI 45X55X10	45	55	10	39.68
PU-TDI 50X60X10	50	60	10	41.79
PU-TDI 55X65X10	55	65	10	42.09
PU-TDI 56X71X12	56	71	12	46.00
PU-TDI 60X75X12	60	75	12	48.10
PU-TDI 63X78X12	63	78	12	50.21
PU-TDI 70X85X12	70	85	12	59.53
PU-TDI 80X95X12	80	95	12	69.45
PU-TDI 85X100X12	85	100	12	72.45
PU-TDI 90X105X12	90	105	12	79.67
PU-TDI 95X110X12	95	110	12	85.98
PU-TDI 100X115X12	100	115	12	88.09
PU-TDI 105X120X12	105	120	12	105.22
PU-TDI 110X125X12	110	125	12	105.22
PU-TDI 115X130X12	115	130	12	101.01

Part Number	ID	OD	HT	List Price
PU-TDI 120X140X16	120	140	16	\$ 103.12
PU-TDI 125X145X16	125	145	16	103.12
PU-TDI 130X150X16	130	150	16	116.65
PU-TDI 135X155X16	135	155	16	111.84
PU-TDI 140X160X16	140	160	16	140.70
PU-TDI 140X155X17	140	155	17	156.33
PU-TDI 145X165X16	145	165	16	186.39
PU-TDI 150X170X16	150	170	16	171.36
PU-TDI 155X175X16	155	175	16	147.01
PU-TDI 160X180X16	160	180	16	190.30
PU-TDI 170X190X16	170	190	16	227.88
PU-TDI 175X195X16	175	195	16	250.43
PU-TDI 180X200X16	180	200	16	246.82
PU-TDI 180X200X20	180	200	20	375.50
PU-TDI 190X210X16	190	210	16	258.55
PU-TDI 200X220X16	200	220	16	271.47
PU-TDI 220X240X16	220	240	16	317.17
PU-TDI 240X260X16	240	260	16	407.66
PU-TDI 260X280X16	260	280	16	492.74
PU-TDI 290X310X16	290	310	16	661.40
PU-TDI 300X320X16	300	320	16	785.26
PU-TDI 320X350X20	320	350	20	890.79

## STYLE PU-TDT ROD U-SEALS



The PU-TDT tandem seal is a twin-lip urethane seal designed for telescopic cylinder applications. The simple and compact construction is ideal for use in telescopic stages in companion with FI type bearings. These are genuine Hunger® parts.



### SEAL INFORMATION

MATERIAL	URETHANE
TEMPERATURE RANGE	-31° TO +212° F
PRESSURE RANGE	0 TO 5,200 PSI
PART NUMBER	(Prefix) - (ID) X (OD) X (H)

Part Number	ID	OD	HT	List Price
PU-TDT 75X83X11.5	75	83	11.5	\$ 16.54
PU-TDT 80X88X11.5	80	88	11.5	17.44
PU-TDT 90X98X11.5	90	98	11.5	18.64
PU-TDT 95X103X11.5	95	103	11.5	18.04

Part Number	ID	OD	HT	List Price
PU-TDT 110X118X11.5	110	118	11.5	\$ 21.04
PU-TDT 113X121X11.5	113	121	11.5	21.95
PU-TDT 120X128X11.5	120	128	11.5	24.05
PU-TDT 125X133X11.5	125	133	11.5	26.16