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ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (psi)	SPEED (ft/s)	PAGE
PISTON SEAL		OU1	PU	-40°F~248°F	5000	3.2	1
		TGW	PTFE+NY+NBR	-40°F~230°F	7000	4.9	4
		TAS	NBR+POM+HY	-22°F~212°F	5600	1.6	5
		CQ1	PTFE+NBR	-31°F~248°F	5000	4.9	6
		TSP	NBR+NY	-40°F~212°F	3500	3.2	7
		CR1	HY+NBR PU+NBR	-31°F~212°F	5000	3.2	8
		TPG	HY+NBR PU+NBR	-22°F~212°F	5000	4.9	9
		TG	PTFE+NBR	-40°F~230°F	5000	4.9	12
		TD	PTFE+NBR	-31°F~230°F	5000	4.9	14
		TO1	PTFE+NBR	-31°F~230°F	5000	4.9	18
		TGA	NY+NBR	-31°F~230°F	5000	4.9	19
		VP1	HY+NY	-40°F~212°F	7000	1.6	21
ROD SEAL		DRU	PU	-40°F~230°F	5600	1.6	22
		RU1	PU	-40°F~230°F	7000	1.6	24
		RP1	PU+NBR+POM	-40°F~248°F	7000	1.6	27
		CR1	PU+NBR	-31°F~230°F	5000	3.2	29

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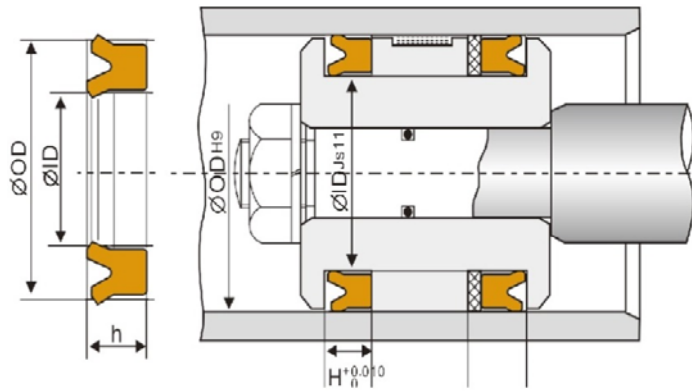
ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (psi)	SPEED (ft/s)	PAGE
PISTON / ROD SEAL		RX1	PU+NBR	-40°F~248°F	5600	1.6	30
		RZ1	HY+NBR PU+NBR	-40°F~212°F	5600	1.6	36
		UQ1	PU+NBR	-31°F~230°F	4200	1.6	41
		S13	PU+NBR	-40°F~230°F	5000	1.6	51
		DP1	PU+NBR	-40°F~230°F	5000	1.6	63
		8400	NBR	-13°F~230°F	1700	1.6	66
BUFFER SEAL		FB1	PU+NY	-40°F~248°F	5600	3.2	67
		BR1	PU+NY	-40°F~248°F	5000	1.6	68
		L-TYPE	NBR+PTFE	-40°F~230°F	5000	4.9	69
		FI1	PU	-40°F~212°F	5000	3.2	73
		FI1-2	PU	-40°F~212°F	5000	3.2	73
WIPER SEAL		AN1	PU	-31°F~212°F	—	3.2	74
		WH	NBR	-31°F~212°F	—	3.2	75
			FKM	-4°F~356°F	—	3.2	
			PU	-40°F~230°F	—	1.6	

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ITEM	PROFILE	TYPE	MATERIAL	TEMPERATURE	PRESSURE (psi)	SPEED (ft/s)	PAGE
WIPER SEAL		D-WIPER	PU	-40°F~230°F	—	13.1	76
		WY	PU	-40°F~212°F	—	3.2	78
		DWI	PU+STEEL	-31°F~230°F	—	3.2	80
		DK1	PU+STEEL NBR+STEEL	-4°F~176°F	—	3.2	83
		DK1Y	PU	-31°F~230°F	—	3.2	85
WEAR RING		WRNF-P/R	NY+FIBER	-58°F~248°F	—	3.2	86
		WRNF-R	NY+FIBER	-58°F~248°F	—	3.2	97
O RING		O RING	—	—	—	—	100
SQUARE RING		SQ	NBR	-22°F~212°F	—	—	112
X RING		X RING	NBR	—	—	—	123
BACKUP RING		80	NBR	—	—	—	128
		AS-568	HY/4F	-67°F~248°F	—	—	133
HEAD SEAL		HI	PU	-40°F~212°F	—	—	135

HY: HYTREL NY: NYLON PU: POLYURETHANE

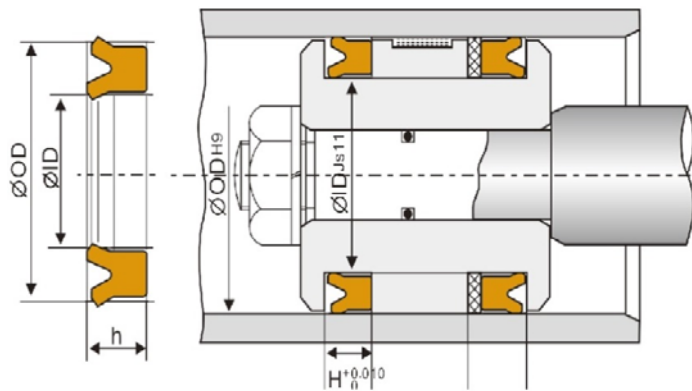
OU1 PISTON SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~248°F
PRESSURE	5000 psi
SPEED	3.2 ft/s

ITEM	OD	ID	h	H
* OU1-0.750	0.750	0.375	0.312	0.344
* OU1-1.125	1.125	0.750	0.312	0.344
* OU1-1.250	1.250	0.875	0.250	0.275
* OU1-1.500	1.500	1.125	0.250	0.275
* OU1-1.500	1.500	1.250	0.250	0.275
OU1-1.687	1.687	1.187	0.250	0.275
* OU1-1.750	1.750	1.500	0.250	0.275
* OU1-2.000	2.000	1.375	0.500	0.550
* OU1-2.000	2.000	1.500	0.375	0.413
* OU1-2.000	2.000	1.625	0.187	0.207
* OU1-2.000	2.000	1.625	0.312	0.344
* OU1-2.000	2.000	1.625	0.375	0.413
* OU1-2.250	2.250	1.750	0.375	0.413
* OU1-2.250	2.250	1.875	0.375	0.413
* OU1-2.500	2.500	1.625	0.500	0.550
* OU1-2.500	2.500	1.875	0.500	0.550
* OU1-2.500	2.500	2.000	0.250	0.275
OU1-2.500	2.500	2.000	0.375	0.413
* OU1-2.500	2.500	2.125	0.250	0.275
* OU1-2.500	2.500	2.125	0.312	0.344
* OU1-2.500	2.500	2.125	0.375	0.413
* OU1-3.000	3.000	2.250	0.455	0.500
* OU1-3.000	3.000	2.375	0.500	0.550
* OU1-3.000	3.000	2.500	0.250	0.275
OU1-3.000	3.000	2.500	0.375	0.413
* OU1-3.000	3.000	2.625	0.187	0.208
* OU1-3.000	3.000	2.625	0.375	0.413
* OU1-3.250	3.250	2.625	0.500	0.550
* OU1-3.250	3.250	2.750	0.250	0.275
* OU1-3.250	3.250	2.750	0.375	0.413
* OU1-3.250	3.250	2.875	0.250	0.275
* OU1-3.500	3.500	2.750	0.500	0.550
* OU1-3.500	3.500	2.750	0.625	0.688

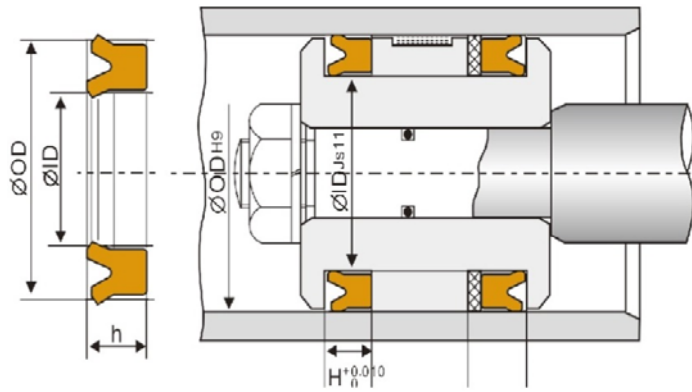
OU1 PISTON SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~248°F
PRESSURE	5000 psi
SPEED	3.2 ft/s

ITEM	OD	ID	h	H
* OU1-3.500	3.500	2.875	0.312	0.344
* OU1-3.500	3.500	2.875	0.500	0.550
* OU1-3.500	3.500	3.000	0.250	0.275
OU1-3.500	3.500	3.000	0.375	0.413
* OU1-3.500	3.500	3.125	0.275	0.302
* OU1-3.500	3.500	3.125	0.375	0.413
* OU1-3.750	3.750	3.250	0.375	0.413
* OU1-4.000	4.000	3.250	0.375	0.413
* OU1-4.000	4.000	3.250	0.500	0.550
OU1-4.000	4.000	3.250	0.625	0.688
* OU1-4.000	4.000	3.375	0.500	0.550
* OU1-4.000	4.000	3.500	0.250	0.275
* OU1-4.000	4.000	3.500	0.312	0.344
* OU1-4.000	4.000	3.500	0.375	0.413
* OU1-4.000	4.000	3.625	0.375	0.413
* OU1-4.250	4.250	3.750	0.375	0.413
OU1-4.500	4.500	3.750	0.625	0.688
* OU1-4.500	4.500	4.000	0.375	0.413
* OU1-4.750	4.750	4.379	0.275	0.302
* OU1-5.000	5.000	4.250	0.375	0.413
* OU1-5.000	5.000	4.250	0.500	0.550
OU1-5.000	5.000	4.250	0.625	0.688
* OU1-5.000	5.000	4.500	0.250	0.275
* OU1-5.000	5.000	4.500	0.375	0.413
* OU1-5.000	5.000	4.500	0.562	0.619
* OU1-5.250	5.250	4.500	0.500	0.550
* OU1-5.500	5.500	4.750	0.625	0.688
* OU1-6.000	6.000	5.250	0.375	0.413
* OU1-6.000	6.000	5.250	0.500	0.550
* OU1-6.000	6.000	5.250	0.625	0.688
* OU1-6.000	6.000	5.500	0.250	0.275
* OU1-6.000	6.000	5.500	0.375	0.413
* OU1-6.000	6.000	5.500	0.562	0.619

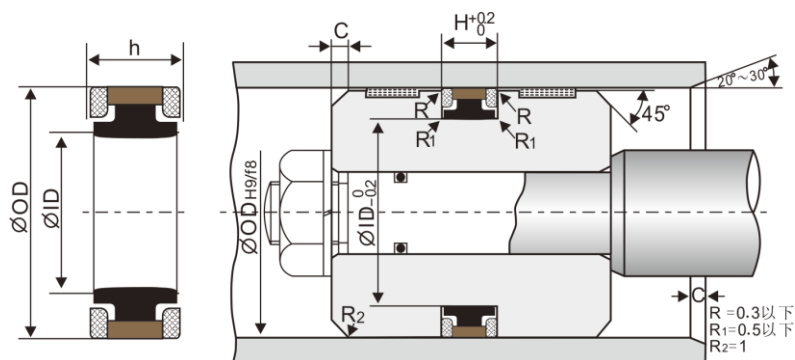
OU1 PISTON SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~248°F
PRESSURE	5000 psi
SPEED	3.2 ft/s

ITEM	OD	ID	h	H
* OU1-6.250	6.250	5.750	0.562	0.619
* OU1-6.500	6.500	5.750	0.625	0.688
* OU1-7.000	7.000	6.250	0.375	0.413
* OU1-7.000	7.000	6.250	0.500	0.550
* OU1-7.000	7.000	6.250	0.625	0.688
* OU1-7.000	7.000	6.500	0.250	0.275
* OU1-7.000	7.000	6.500	0.375	0.413
* OU1-8.000	8.000	7.250	0.625	0.688
* OU1-8.000	8.000	7.500	0.250	0.275
* OU1-9.000	9.000	8.000	0.750	0.825
* OU1-10.000	10.000	9.000	0.750	0.825
* OU1-10.000	10.000	9.250	0.375	0.413

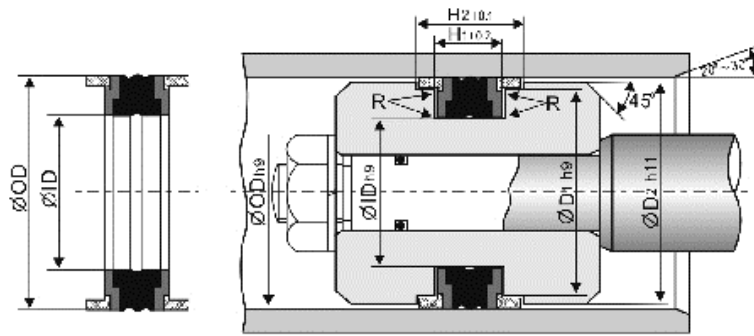
TGW PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NY+NBR
TEMP.	-40°F~230°F
PRESSURE	7000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H
TGW-2.00	2.00	1.44	0.295
TGW-2.50	2.50	1.94	0.295
TGW-2.75	2.75	2.19	0.295
TGW-3.00	3.00	2.442	0.420
TGW-3.50	3.50	2.942	0.420
TGW-4.00	4.00	3.442	0.420
TGW-4.25	4.25	3.692	0.420
TGW-4.50	4.50	3.942	0.420
TGW-4.75	4.75	4.192	0.420
TGW-5.00	5.00	4.442	0.420
TGW-2.00	2.00	1.627	0.424
TGW-2.50	2.50	2.127	0.424
TGW-2.75	2.75	2.377	0.424
TGW-3.00	3.00	2.522	0.579
TGW-3.25	3.25	2.772	0.579
TGW-3.50	3.50	3.022	0.579
TGW-3.75	3.75	3.272	0.579
TGW-4.00	4.00	3.522	0.579
TGW-4.25	4.25	3.772	0.579
TGW-4.50	4.50	4.022	0.579
TGW-4.75	4.75	4.272	0.579
TGW-5.00	5.00	4.522	0.579
TGW-5.50	5.50	5.020	0.579
TGW-6.00	6.00	5.520	0.579
TGW-5.00	5.00	4.274	0.750
TGW-5.25	5.25	4.524	0.750
TGW-5.50	5.50	4.774	0.750
TGW-5.75	5.75	5.024	0.750
TGW-6.00	6.00	5.274	0.750
TGW-6.50	6.50	5.774	0.750
TGW-7.00	7.00	6.274	0.750
TGW-7.50	7.50	6.774	0.750
TGW-8.00	8.00	7.274	0.750
TGW-8.50	8.50	7.774	0.750
TGW-10.50	10.50	9.774	0.750
TGW-12.50	12.50	11.770	0.750

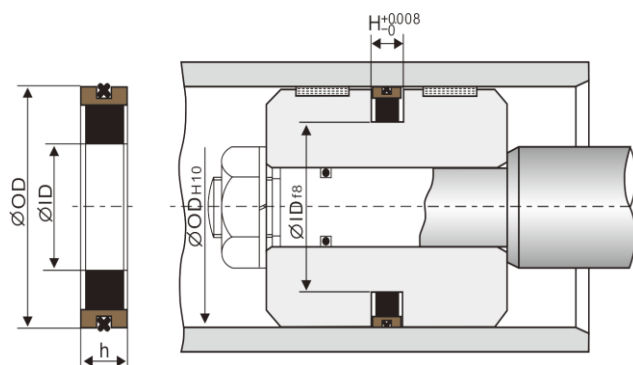
TAS PISTON SEAL



APPLICATION	
MATERIAL	NBR+POM+HY
TEMP.	-22°F~212°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	OD	ID	H1	H2	D1	D2
* TAS-1.750	1.750	1.125	0.750	0.250	1.569	1.698
* TAS-2.000	2.000	1.375	0.750	0.250	1.820	1.948
* TAS-2.250	2.250	1.625	0.750	0.250	2.069	2.197
* TAS-2.375	2.375	1.750	0.750	0.250	2.194	2.322
* TAS-2.500	2.500	1.875	0.750	0.250	2.318	2.446
* TAS-2.750	2.750	2.000	0.943	0.250	2.522	2.685
* TAS-3.000	3.000	2.250	0.943	0.250	2.771	2.935
* TAS-3.250	3.250	2.500	0.943	0.250	3.021	3.184
* TAS-3.250A	3.250	2.625	0.772	0.245	3.021	3.184
* TAS-3.500	3.500	2.750	0.943	0.250	3.274	3.440
* TAS-3.500A	3.500	2.850	0.772	0.295	3.272	3.460
* TAS-3.750	3.750	3.000	0.943	0.250	3.520	3.683
* TAS-4.000	4.000	3.250	0.943	0.250	3.770	3.933
* TAS-4.000A	4.000	3.250	1.375	0.425	3.709	3.933
* TAS-4.000B	4.000	3.375	0.772	0.245	3.772	3.960
* TAS-4.500	4.500	3.500	1.250	0.250	4.229	4.422
* TAS-4.500A	4.500	3.500	1.750	0.500	4.180	4.400
* TAS-5.000	5.000	4.000	1.250	0.400	4.709	4.902
* TAS-5.000A	5.000	4.250	0.960	0.245	4.772	4.960
* TAS-6.000	6.000	5.000	1.250	0.375	5.709	5.902
* TAS-6.000A	6.000	5.000	1.750	0.500	5.675	5.900

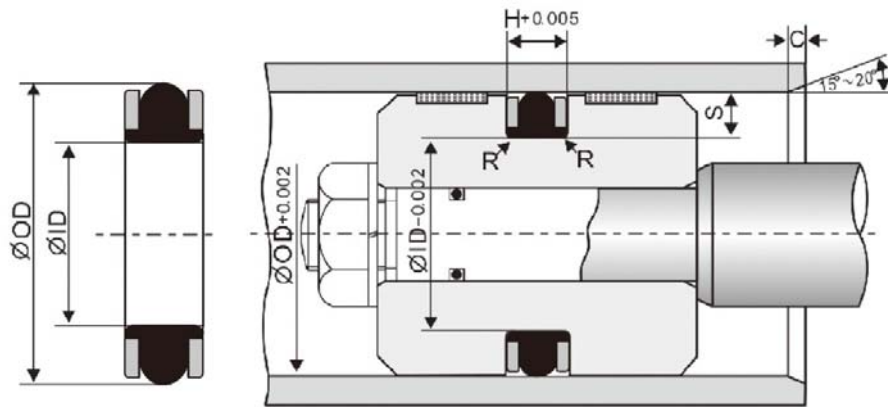
CQ1 PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~248°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H
* CQ1-1.50	1.50	0.884	0.288
* CQ1-2.00	2.00	1.384	0.288
* CQ1-2.25	2.25	1.634	0.288
CQ1-2.50	2.50	1.884	0.288
* CQ1-2.75	2.75	2.134	0.288
CQ1-3.00	3.00	2.384	0.288
CQ1-3.25	3.25	2.634	0.288
CQ1-3.50	3.50	2.884	0.288
* CQ1-3.75	3.75	3.134	0.288
* CQ1-4.00	4.00	3.384	0.288
* CQ1-4.25	4.25	3.634	0.288
* CQ1-4.50	4.50	3.884	0.288
* CQ1-4.75	4.75	4.134	0.288
CQ1-5.00	5.00	4.375	0.288
* CQ1-5.25	5.25	4.542	0.288
CQ1-5.50	5.50	4.660	0.375
* CQ1-5.75	5.75	4.910	0.375
* CQ1-6.00	6.00	5.160	0.375
* CQ1-6.50	6.50	5.660	0.375
* CQ1-7.00	7.00	6.160	0.375
* CQ1-7.50	7.50	6.660	0.375
* CQ1-8.00	8.00	7.160	0.375
* CQ1-9.00	9.00	8.160	0.375
* CQ1-10.00	10.00	9.160	0.375

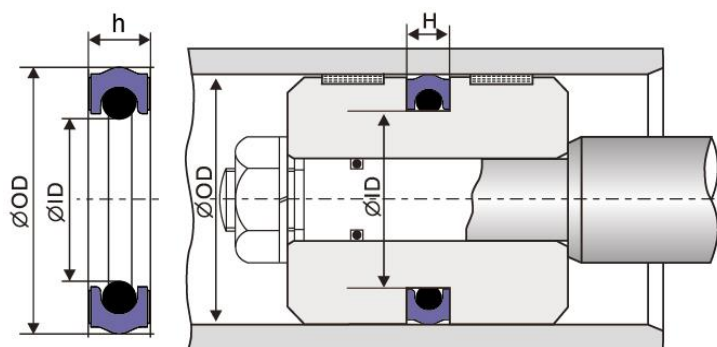
TSP PISTON SEAL



APPLICATION	
MATERIAL	NY+NBR
TEMP.	-40°F~212°F
PRESSURE	3500 psi
SPEED	3.2 ft/s

ITEM	OD	ID	H	S	R	C
TSP-0.625	0.625	0.383	0.187	0.125	0.02	0.125
TSP-0.875	0.875	0.633	0.187	0.125	0.02	0.125
* TSP-1.000	1.000	0.758	0.187	0.125	0.02	0.125
* TSP-1.125	1.125	0.883	0.187	0.125	0.02	0.125
* TSP-1.250	1.250	1.008	0.187	0.125	0.02	0.125
* TSP-1.375	1.375	1.133	0.187	0.125	0.02	0.125
* TSP-1.500	1.500	1.258	0.187	0.125	0.02	0.125
* TSP-1.625	1.625	1.383	0.187	0.125	0.02	0.125
* TSP-1.750	1.750	1.508	0.187	0.125	0.02	0.125
* TSP-1.875	1.875	1.505	0.281	0.187	0.025	0.125
TSP-2.000	2.000	1.630	0.281	0.187	0.025	0.125
* TSP-2.125	2.125	1.755	0.281	0.187	0.025	0.125
* TSP-2.250	2.250	1.880	0.281	0.187	0.025	0.125
* TSP-2.375	2.375	2.005	0.281	0.187	0.025	0.125
TSP-2.500	2.500	2.130	0.281	0.187	0.025	0.125
* TSP-2.625	2.625	2.255	0.281	0.187	0.025	0.125
* TSP-2.750	2.750	2.380	0.281	0.187	0.025	0.125
* TSP-2.875	2.875	2.505	0.281	0.187	0.025	0.125
TSP-3.000	3.000	2.630	0.281	0.187	0.025	0.125
* TSP-3.125	3.125	2.755	0.281	0.187	0.025	0.125
TSP-3.250	3.250	2.880	0.281	0.187	0.025	0.125
* TSP-3.500	3.500	3.130	0.281	0.187	0.025	0.125
* TSP-3.750	3.750	3.380	0.281	0.187	0.025	0.125
TSP-4.000	4.000	3.630	0.281	0.187	0.025	0.125
* TSP-4.250	4.250	3.880	0.281	0.187	0.025	0.125
* TSP-4.500	4.500	4.130	0.281	0.187	0.025	0.125
* TSP-4.750	4.750	4.380	0.281	0.187	0.025	0.125
TSP-5.000	5.000	4.630	0.281	0.187	0.025	0.125
* TSP-5.252	5.250	4.776	0.375	0.25	0.032	0.187
* TSP-5.500	5.500	5.026	0.375	0.25	0.032	0.187
* TSP-5.752	5.750	5.276	0.375	0.25	0.032	0.187
TSP-6.000	6.000	5.526	0.375	0.25	0.032	0.187
* TSP-6.502	6.500	6.026	0.375	0.25	0.032	0.187
* TSP-7.000	7.000	6.526	0.375	0.25	0.032	0.187
TSP-8.000	8.000	7.526	0.375	0.25	0.032	0.187
TSP-10.000	10.000	9.526	0.375	0.25	0.032	0.187

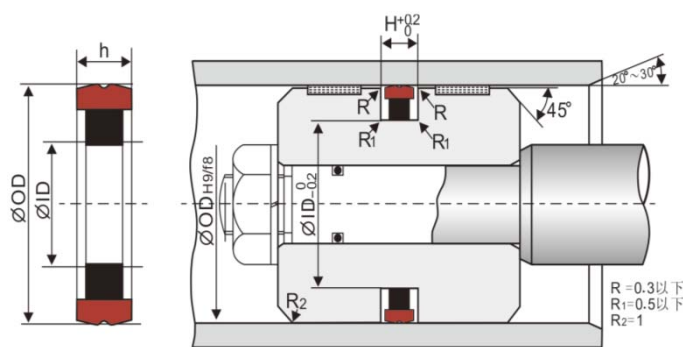
CR1 PISTON SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-31°F ~212°F	-31°F ~230°F
PRESSURE	5000 psi	5000 psi
SPEED	3.2 ft/s	3.2 ft/s

ITEM	OD	ID	h	H
* CP-214	1.25	1.00	0.15	0.185
* CP-218	1.50	1.25	0.15	0.185
* CP-222	1.75	1.50	0.15	0.185
CP-325	1.875	1.50	0.281	0.280
* CP-326	2.00	1.625	0.255	0.280
CP-328	2.25	1.875	0.255	0.280
CP-330	2.50	2.125	0.1875	0.280
* CP-332	2.75	2.375	0.255	0.280
CP-334	3.00	2.625	0.255	0.280
CP-335	3.125	2.75	0.1875	0.280
CP-336	3.25	2.875	0.1875	0.280
CP-338	3.50	3.125	0.255	0.280
* CP-342	4.00	3.625	0.255	0.280
CP-346	4.50	4.125	0.1875	0.280
* CP-348	4.75	4.375	0.1875	0.280
CP-350	5.00	4.625	0.1875	0.280
CP-425	7.00	6.526	0.375	0.365
* CP-427	5.25	4.75	0.25	0.365
CP-429	5.50	5.00	0.25	0.365
* CP-433	6.00	5.50	0.32	0.365
CP-435	6.25	5.75	0.25	0.365
* CP-439	7.00	6.50	0.32	0.365
* CP-443	8.00	7.50	0.32	0.365
* CP-448	10.00	9.50	0.32	0.365

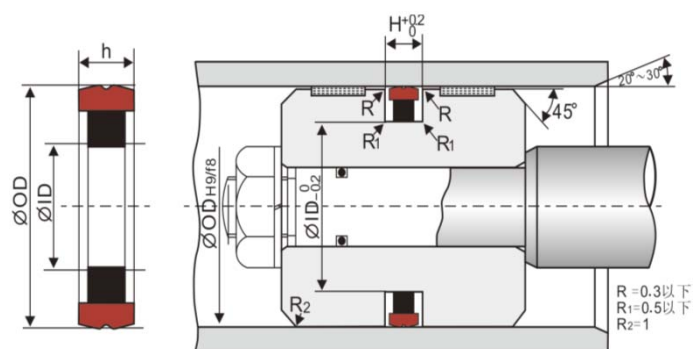
TPG PISTON SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-22°F~212°F	-22°F~230°F
PRESSURE	5000 psi	5000 psi
SPEED	3.2 ft/s	3.2 ft/s

ITEM	OD	ID	H
1 1/2 CROSS SECTION			
TPG3-2.250	2.250	1.941	0.129
TPG3-2.500	2.500	2.191	0.129
2 CROSS SECTION			
TPG3-3.000	3.000	2.462	0.283
* TPG3-3.250	3.250	2.712	0.283
TPG3-3.500	3.500	2.962	0.283
* TPG3-3.750	3.750	3.212	0.283
2 1/2 CROSS SECTION			
TPG3-4.000	4.000	3.462	0.283
* TPG3-4.250	4.250	3.712	0.283
TPG3-4.500	4.500	3.962	0.283
* TPG3-4.750	4.750	4.212	0.283
3 CROSS SECTION			
TPG3-5.000	5.000	4.462	0.283
* TPG3-5.250	5.250	4.504	0.378
TPG3-5.500	5.500	4.754	0.378
* TPG3-5.750	5.750	5.004	0.378
3 1/2 CROSS SECTION			
TPG3-6.000	6.000	5.254	0.378
* TPG3-6.250	6.250	5.504	0.378
* TPG3-6.500	6.500	5.754	0.378
4 CROSS SECTION			
TPG3-7.000	7.000	6.254	0.378
* TPG3-7.250	7.250	6.504	0.378
* TPG3-7.500	7.500	6.754	0.378
4 1/2 CROSS SECTION			
TPG3-8.000	8.000	7.254	0.378

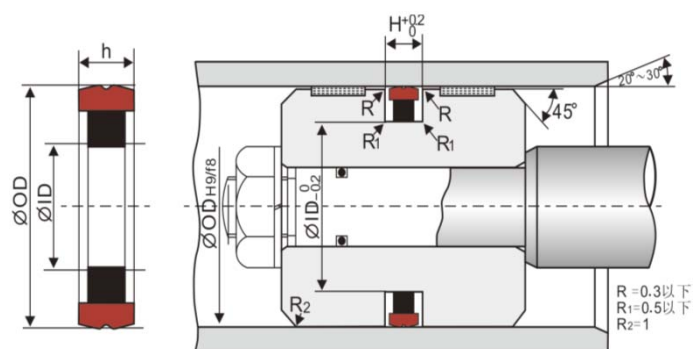
TPG PISTON SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-22°F~212°F	-22°F~230°F
PRESSURE	5000 psi	5000 psi
SPEED	3.2 ft/s	3.2 ft/s

ITEM	OD	ID	H
1/8 CROSS SECTION			
* TPG5-1.000	1.000	0.758	0.187
* TPG5-1.125	1.125	0.883	0.187
TPG5-1.250	1.250	1.008	0.187
TPG5-1.312	1.312	1.070	0.187
* TPG5-1.375	1.375	1.133	0.187
TPG5-1.500	1.500	1.223	0.130
TPG5-1.500	1.500	1.258	0.187
* TPG5-1.562	1.562	1.320	0.187
* TPG5-1.625	1.625	1.383	0.187
* TPG5-1.750	1.750	1.508	0.187
1/5 CROSS SECTION			
* TPG5-1.875	1.875	1.505	0.281
TPG5-2.000	2.000	1.630	0.281
* TPG5-2.000	2.000	1.625	0.281
* TPG5-2.125	2.125	1.755	0.281
* TPG5-2.250	2.250	1.880	0.281
* TPG5-2.375	2.375	2.005	0.281
TPG5-2.500	2.500	2.130	0.281
TPG5-2.500	2.500	2.082	0.175
* TPG5-2.625	2.625	2.255	0.281
* TPG5-2.750	2.750	2.380	0.281
* TPG5-2.875	2.875	2.505	0.281
TPG5-3.000	3.000	2.630	0.281
TPG5-3.000	3.000	2.630	0.410
* TPG5-3.125	3.125	2.755	0.281
* TPG5-3.250	3.250	2.880	0.281
* TPG5-3.375	3.375	3.005	0.281
TPG5-3.500	3.500	3.130	0.281
* TPG5-3.625	3.625	3.255	0.281
* TPG5-3.750	3.750	3.380	0.281
* TPG5-3.875	3.875	3.505	0.281

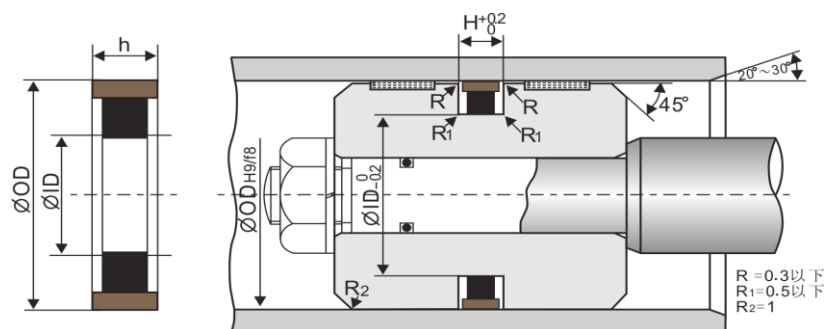
TPG PISTON SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-22°F~212°F	-22°F~230°F
PRESSURE	5000 psi	5000 psi
SPEED	3.2 ft/s	3.2 ft/s

ITEM	OD	ID	H
TPG5-4.000	4.000	3.630	0.281
* TPG5-4.125	4.125	3.755	0.281
* TPG5-4.250	4.250	3.880	0.281
* TPG5-4.375	4.375	4.005	0.281
TPG5-4.500	4.500	4.130	0.281
* TPG5-4.625	4.625	4.255	0.281
* TPG5-4.750	4.750	4.380	0.281
* TPG5-4.875	4.875	4.505	0.281
TPG5-5.000	5.000	4.630	0.281
<u>1/5 CROSS SECTION</u>			
* TPG5-5.125	5.125	4.655	0.375
* TPG5-5.250	5.250	4.780	0.375
* TPG5-5.375	5.375	4.905	0.375
* TPG5-5.500	5.500	5.030	0.375
TPG5-6.000	6.000	5.528	0.375
* TPG5-6.500	6.500	6.030	0.375
TPG5-7.000	7.000	6.528	0.375

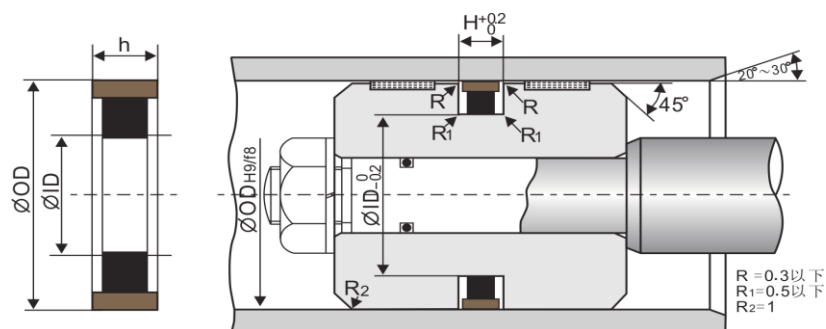
TG PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H
* TG-1.000	1.000	0.692	0.129
* TG-1.250	1.250	0.942	0.129
* TG-1.500	1.500	1.192	0.129
* TG-1.750	1.750	1.442	0.129
TG-2.000	2.000	1.693	0.129
* TG-2.250	2.250	1.942	0.129
* TG-2.500	2.500	2.192	0.129
TG-2.500	2.500	1.962	0.283
TG-2.750	2.750	2.212	0.283
TG-3.000	3.000	2.462	0.283
TG-3.250	3.250	2.69	0.284
TG-3.250	3.250	2.712	0.283
TG-3.500	3.500	2.962	0.283
TG-3.750	3.750	3.1875	0.284
TG-4.000	4.000	3.440	0.284
TG-4.000	4.000	3.462	0.283
TG-4.250	4.250	3.712	0.283
TG-4.500	4.500	3.962	0.283
* TG-4.750	4.750	4.194	0.284
TG-5.000	5.000	4.462	0.283
TG-5.250	5.250	4.712	0.283
* TG-5.500	5.500	4.738	0.379
* TG-5.750	5.750	4.988	0.379
* TG-6.000	6.000	5.238	0.379
* TG-6.250	6.250	5.488	0.379
* TG-6.500	6.500	5.738	0.379
* TG-7.000	7.000	6.238	0.379
* TG-7.250	7.250	6.488	0.379
* TG-7.500	7.500	6.738	0.379
* TG-8.000	8.000	7.238	0.379
* TG-8.250	8.250	7.488	0.379
* TG-8.500	8.500	7.738	0.379
* TG-9.000	9.000	8.122	0.379

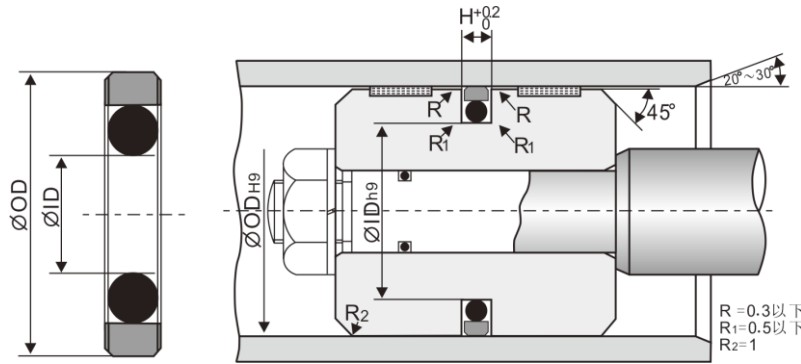
TG PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H
* TG-9.500	9.500	8.622	0.379
* TG-10.000	10.000	9.122	0.379
* TG-11.000	11.000	10.122	0.379
* TG-12.000	12.000	11.122	0.379
* TG-13.000	13.000	12.122	0.379
* TG-14.000	14.000	13.122	0.379

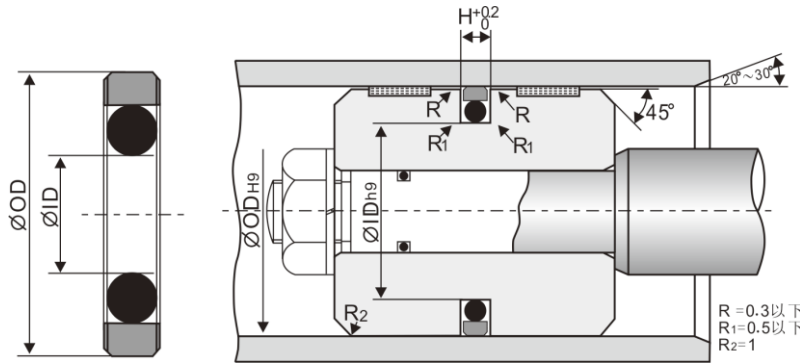
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H	ITEM	OD	ID	H
* TD-0.500	0.500	0.244	0.081	* TD-1.312	1.312	1.056	0.081
* TD-0.500	0.500	0.326	0.081	* TD-1.312	1.312	1.138	0.081
* TD-0.562	0.562	0.306	0.081	* TD-1.375	1.375	1.077	0.126
* TD-0.562	0.562	0.388	0.081	* TD-1.375	1.375	1.119	0.081
* TD-0.625	0.625	0.369	0.081	* TD-1.375	1.375	1.201	0.081
* TD-0.625	0.625	0.451	0.081	* TD-1.437	1.437	1.139	0.126
* TD-0.687	0.687	0.431	0.081	* TD-1.437	1.437	1.181	0.081
* TD-0.687	0.687	0.513	0.081	* TD-1.437	1.437	1.263	0.081
* TD-0.750	0.750	0.452	0.126	* TD-1.500	1.500	1.202	0.126
* TD-0.750	0.750	0.494	0.081	* TD-1.500	1.500	1.244	0.081
* TD-0.750	0.750	0.576	0.081	* TD-1.500	1.500	1.326	0.081
* TD-0.812	0.812	0.514	0.126	* TD-1.562	1.562	1.138	0.166
* TD-0.812	0.812	0.556	0.081	* TD-1.562	1.562	1.264	0.126
* TD-0.812	0.812	0.638	0.081	* TD-1.562	1.562	1.176	0.120
* TD-0.875	0.875	0.577	0.126	* TD-1.625	1.625	1.201	0.166
* TD-0.875	0.875	0.619	0.081	* TD-1.625	1.625	1.239	0.120
* TD-0.875	0.875	0.701	0.081	* TD-1.625	1.625	1.327	0.126
* TD-0.937	0.937	0.639	0.126	* TD-1.687	1.687	1.263	0.166
* TD-0.937	0.937	0.681	0.081	* TD-1.687	1.687	1.301	0.120
* TD-0.937	0.937	0.763	0.081	* TD-1.687	1.687	1.389	0.126
* TD-1.000	1.000	0.702	0.126	* TD-1.750	1.750	1.326	0.166
* TD-1.000	1.000	0.744	0.081	* TD-1.750	1.750	1.364	0.120
* TD-1.000	1.000	0.826	0.081	* TD-1.750	1.750	1.452	0.126
* TD-1.062	1.062	0.764	0.126	* TD-1.875	1.875	1.451	0.166
* TD-1.062	1.062	0.806	0.081	* TD-1.875	1.875	1.489	0.120
* TD-1.062	1.062	0.888	0.081	* TD-1.875	1.875	1.577	0.126
* TD-1.125	1.125	0.869	0.081	* TD-2.000	2.000	1.576	0.166
* TD-1.125	1.125	0.827	0.126	* TD-2.000	2.000	1.614	0.127
* TD-1.125	1.125	0.951	0.081	* TD-2.000	2.000	1.702	0.126
* TD-1.187	1.187	0.889	0.126	* TD-2.125	2.125	1.701	0.166
* TD-1.187	1.187	0.931	0.081	* TD-2.125	2.125	1.739	0.127
* TD-1.187	1.187	1.013	0.081	* TD-2.125	2.125	1.827	0.126
* TD-1.250	1.250	0.952	0.126	* TD-2.250	2.250	1.826	0.166
* TD-1.250	1.250	0.994	0.081	* TD-2.250	2.250	1.864	0.127
* TD-1.250	1.250	1.076	0.081	* TD-2.250	2.250	1.952	0.126

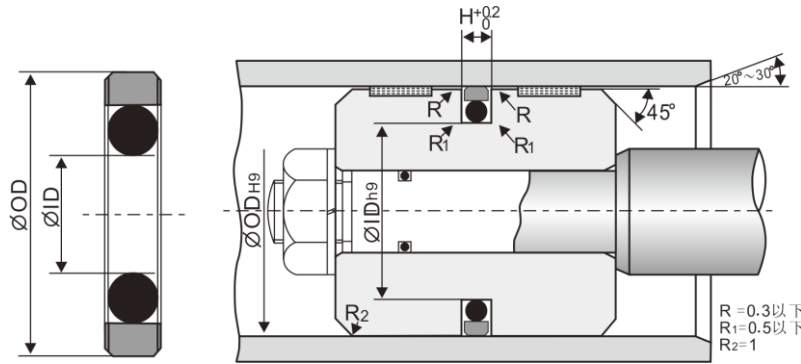
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H	ITEM	OD	ID	H
* TD-1.312	1.312	1.014	0.126	* TD-2.375	2.375	1.951	0.166
* TD-2.375	2.375	1.989	0.127	* TD-3.875	3.875	3.489	0.127
* TD-2.375	2.375	2.077	0.126	* TD-4.000	4.000	3.384	0.247
* TD-2.500	2.500	2.076	0.166	* TD-4.000	4.000	3.576	0.166
* TD-2.500	2.500	2.114	0.127	* TD-4.000	4.000	3.614	0.127
* TD-2.500	2.500	2.202	0.126	* TD-4.125	4.125	3.509	0.247
* TD-2.625	2.625	2.201	0.166	* TD-4.125	4.125	3.701	0.166
* TD-2.625	2.625	2.239	0.127	* TD-4.125	4.125	3.739	0.127
* TD-2.625	2.625	2.327	0.126	* TD-4.250	4.250	3.634	0.247
* TD-2.750	2.750	2.326	0.166	* TD-4.250	4.250	3.826	0.166
* TD-2.750	2.750	2.364	0.127	* TD-4.250	4.250	3.864	0.127
* TD-2.750	2.750	2.452	0.126	* TD-4.375	4.375	3.759	0.247
* TD-2.875	2.875	2.451	0.166	* TD-4.375	4.375	3.951	0.166
* TD-2.875	2.875	2.489	0.127	* TD-4.375	4.375	3.989	0.127
* TD-3.000	3.000	2.576	0.166	* TD-4.500	4.500	3.884	0.247
* TD-3.000	3.000	2.614	0.127	* TD-4.500	4.500	4.076	0.166
* TD-3.125	3.125	2.509	0.247	* TD-4.500	4.500	4.114	0.127
* TD-3.125	3.125	2.701	0.166	* TD-4.625	4.625	4.009	0.247
* TD-3.125	3.125	2.739	0.127	* TD-4.625	4.625	4.201	0.166
* TD-3.250	3.250	2.634	0.247	* TD-4.625	4.625	4.239	0.127
* TD-3.250	3.250	2.826	0.166	* TD-4.750	4.750	4.134	0.247
* TD-3.250	3.250	2.864	0.127	* TD-4.750	4.750	4.326	0.166
* TD-3.375	3.375	2.759	0.247	* TD-4.750	4.750	4.364	0.127
* TD-3.375	3.375	2.951	0.166	* TD-4.875	4.875	4.259	0.247
* TD-3.375	3.375	2.989	0.127	* TD-4.875	4.875	4.451	0.166
* TD-3.500	3.500	2.884	0.247	* TD-4.875	4.875	4.489	0.127
* TD-3.500	3.500	3.076	0.166	* TD-5.000	5.000	4.384	0.247
* TD-3.500	3.500	3.114	0.127	* TD-5.000	5.000	4.576	0.166
* TD-3.625	3.625	3.009	0.247	* TD-5.000	5.000	4.614	0.127
* TD-3.625	3.625	3.201	0.166	* TD-5.125	5.125	4.509	0.247
* TD-3.625	3.625	3.239	0.127	* TD-5.125	5.125	4.701	0.166
* TD-3.750	3.750	3.134	0.247	* TD-5.125	5.125	4.739	0.127
* TD-3.750	3.750	3.326	0.166	* TD-5.250	5.250	4.634	0.247
* TD-3.750	3.750	3.364	0.127	* TD-5.250	5.250	4.826	0.166
* TD-3.875	3.875	3.259	0.247	* TD-5.250	5.250	4.864	0.127

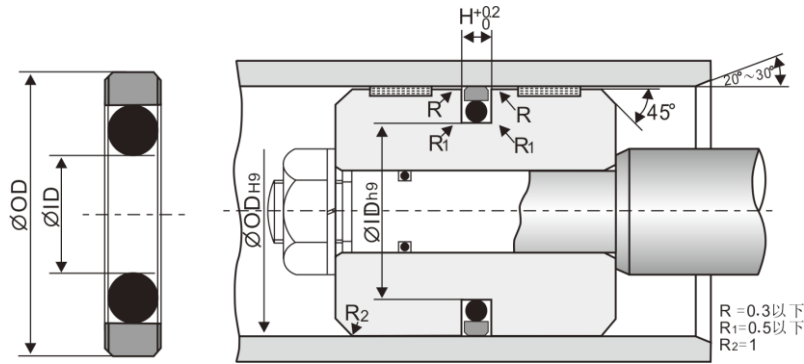
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H	ITEM	OD	ID	H
* TD-3.875	3.875	3.451	0.166	* TD-5.375	5.375	4.545	0.320
* TD-5.375	5.375	4.759	0.247	* TD-7.000	7.000	6.170	0.320
* TD-5.375	5.375	4.951	0.166	* TD-7.000	7.000	6.384	0.247
* TD-5.375	5.375	4.989	0.127	* TD-7.000	7.000	6.484	0.157
* TD-5.500	5.500	4.670	0.320	* TD-7.250	7.250	6.420	0.320
* TD-5.500	5.500	4.884	0.247	* TD-7.250	7.250	6.634	0.247
* TD-5.500	5.500	5.076	0.166	* TD-7.250	7.250	6.734	0.157
* TD-5.500	5.500	5.114	0.127	* TD-7.500	7.500	6.670	0.320
* TD-5.625	5.625	4.795	0.320	* TD-7.500	7.500	6.884	0.247
* TD-5.625	5.625	5.009	0.247	* TD-7.500	7.500	6.984	0.157
* TD-5.625	5.625	5.109	0.157	* TD-7.750	7.750	6.920	0.320
* TD-5.750	5.750	4.920	0.320	* TD-7.750	7.750	7.134	0.247
* TD-5.750	5.750	5.134	0.247	* TD-7.750	7.750	7.234	0.157
* TD-5.750	5.750	5.234	0.157	* TD-8.000	8.000	7.170	0.320
* TD-5.875	5.875	5.045	0.320	* TD-8.000	8.000	7.384	0.247
* TD-5.875	5.875	5.259	0.247	* TD-8.000	8.000	7.484	0.157
* TD-5.875	5.875	5.359	0.157	* TD-8.250	8.250	7.420	0.320
* TD-6.000	6.000	5.170	0.320	* TD-8.250	8.250	7.634	0.247
* TD-6.000	6.000	5.384	0.247	* TD-8.250	8.250	7.734	0.157
TD-6.000	6.000	5.484	0.157	* TD-8.500	8.500	7.670	0.320
* TD-6.125	6.125	5.295	0.320	* TD-8.500	8.500	7.884	0.247
* TD-6.125	6.125	5.509	0.247	* TD-8.500	8.500	7.984	0.157
* TD-6.125	6.125	5.609	0.157	* TD-9.000	9.000	8.170	0.320
* TD-6.250	6.250	5.420	0.320	* TD-9.000	9.000	8.384	0.247
* TD-6.250	6.250	5.634	0.247	* TD-9.000	9.000	8.484	0.157
* TD-6.250	6.250	5.734	0.157	* TD-9.500	9.500	8.670	0.320
* TD-6.375	6.375	5.545	0.320	* TD-9.500	9.500	8.884	0.247
* TD-6.375	6.375	5.759	0.247	* TD-9.500	9.500	8.984	0.157
* TD-6.375	6.375	5.859	0.157	* TD-10.000	10.000	9.170	0.320
* TD-6.500	6.500	5.670	0.320	* TD-10.000	10.000	9.384	0.247
* TD-6.500	6.500	5.884	0.247	* TD-10.000	10.000	9.484	0.157
* TD-6.500	6.500	5.984	0.157	* TD-10.500	10.500	9.670	0.320
* TD-6.750	6.750	6.134	0.247	* TD-10.500	10.500	9.884	0.247
* TD-6.750	6.750	6.234	0.157	* TD-10.500	10.500	9.984	0.157

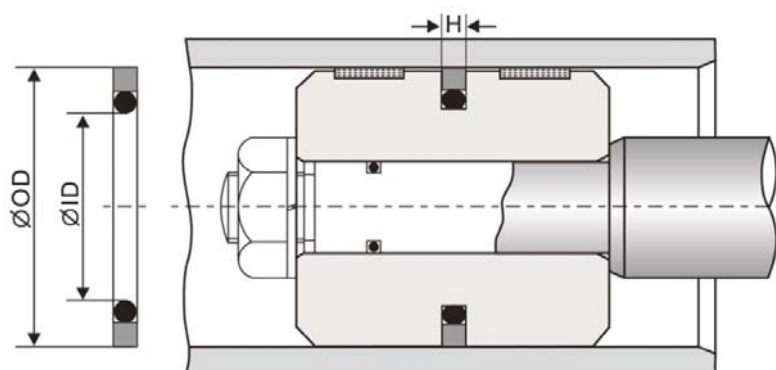
TD PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H	ITEM	OD	ID	H
* TD-6.750	6.750	5.920	0.320	* TD-11.000	11.000	10.170	0.320
* TD-11.000	11.000	10.384	0.247	* TD-11.500	11.500	10.984	0.157
* TD-11.000	11.000	10.484	0.157	* TD-12.000	12.000	11.170	0.320
* TD-11.500	11.500	10.670	0.320	* TD-12.000	12.000	11.384	0.247
* TD-11.500	11.500	10.884	0.247	* TD-12.000	12.000	11.484	0.157

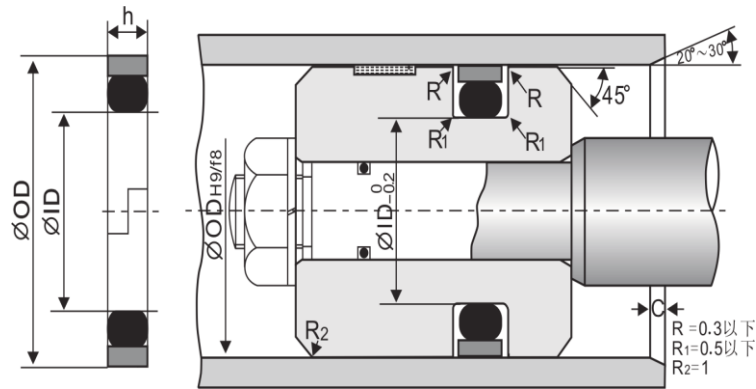
TO1 PISTON SEAL



APPLICATION	
MATERIAL	PTFE+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	OD	ID	H	ITEM	OD	ID	H
* TO1-0.500	0.500	0.240	0.083	* TO1-5.500	5.500	5.108	0.130
* TO1-0.625	0.625	0.365	0.083	* TO1-5.750	5.750	5.232	0.160
* TO1-0.750	0.750	0.490	0.083	* TO1-5.875	5.875	5.357	0.160
* TO1-0.875	0.875	0.615	0.083	* TO1-6.000	6.000	5.482	0.160
* TO1-1.000	1.000	0.740	0.083	* TO1-6.250	6.250	5.732	0.160
* TO1-1.125	1.125	0.865	0.083	* TO1-6.500	6.500	5.982	0.160
* TO1-1.250	1.250	0.990	0.083	* TO1-6.750	6.750	6.232	0.160
* TO1-1.375	1.375	1.115	0.083	* TO1-7.000	7.000	6.482	0.160
* TO1-1.500	1.500	1.240	0.083	* TO1-7.125	7.125	6.607	0.160
* TO1-1.625	1.625	1.233	0.122	* TO1-7.250	7.250	6.732	0.160
* TO1-1.750	1.750	1.358	0.122	* TO1-7.500	7.500	6.982	0.160
* TO1-1.875	1.875	1.483	0.122	* TO1-7.750	7.750	7.232	0.160
* TO1-2.000	2.000	1.608	0.130	* TO1-8.000	8.000	7.482	0.160
* TO1-2.125	2.125	1.733	0.130	* TO1-8.250	8.250	7.732	0.160
* TO1-2.250	2.250	1.858	0.130	* TO1-8.500	8.500	7.982	0.160
* TO1-2.375	2.375	1.983	0.130	* TO1-8.750	8.750	8.232	0.160
* TO1-2.500	2.500	2.108	0.130	* TO1-9.000	9.000	8.482	0.160
* TO1-2.625	2.625	2.233	0.130	* TO1-9.250	9.250	8.732	0.160
* TO1-2.750	2.750	2.358	0.130	* TO1-9.500	9.500	8.982	0.160
* TO1-2.875	2.875	2.483	0.130	* TO1-9.750	9.750	9.232	0.160
* TO1-3.000	3.000	2.608	0.130	* TO1-10.000	10.000	9.482	0.160
* TO1-3.250	3.250	2.858	0.130	* TO1-10.250	10.250	9.732	0.160
* TO1-3.375	3.375	2.983	0.130	* TO1-10.500	10.500	9.982	0.160
* TO1-3.500	3.500	3.108	0.130	* TO1-10.750	10.750	10.232	0.160
* TO1-3.625	3.625	3.233	0.130	* TO1-11.000	11.000	10.482	0.160
* TO1-3.750	3.750	3.358	0.130	* TO1-11.500	11.500	10.982	0.160
* TO1-4.000	4.000	3.608	0.130	* TO1-12.000	12.000	11.482	0.160
* TO1-4.250	4.250	3.858	0.130	* TO1-12.500	12.500	11.982	0.160
* TO1-4.500	4.500	4.108	0.130	* TO1-13.000	13.000	12.482	0.160
* TO1-4.750	4.750	4.358	0.130	* TO1-14.000	14.000	13.482	0.160
* TO1-4.875	4.875	4.483	0.130	* TO1-15.000	15.000	14.482	0.160
* TO1-5.000	5.000	4.608	0.130	* TO1-16.000	16.000	15.482	0.160
* TO1-5.250	5.250	4.858	0.130				

TGA PISTON SEAL

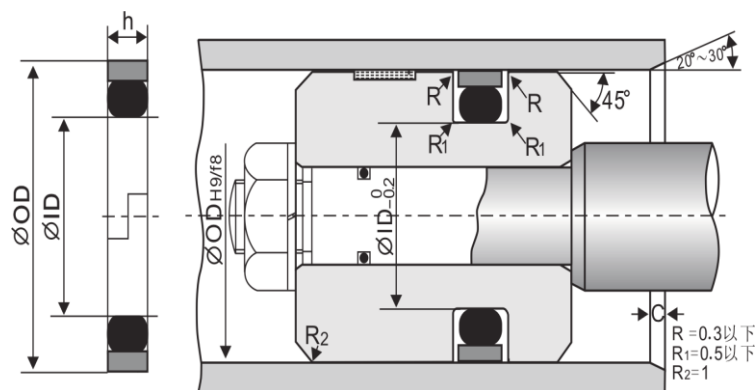


APPLICATION	
MATERIAL	NY+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

UNIT:INCH

ITEM	OD	ID	h
* TGA2.000	2.000	1.462	0.282
* TGA2.250	2.250	1.712	0.282
* TGA2.500	2.500	1.962	0.282
* TGA2.750	2.750	2.212	0.282
* TGA3.000	3.000	2.442	0.282
* TGA3.025	3.025	2.467	0.282
* TGA3.250	3.250	2.692	0.282
TGA3.500	3.500	2.942	0.282
TGA4.000	4.000	3.442	0.282
* TGA4.250	4.250	3.692	0.282
* TGA4.265	4.265	3.707	0.282
* TGA4.500	4.500	3.942	0.282
* TGA4.525	4.525	3.967	0.282
* TGA4.750	4.750	4.192	0.282
* TGA5.000	5.000	4.442	0.282
* TGA5.025	5.025	4.467	0.282
* TGA5.250	5.250	4.692	0.282
* TGA2.000	2.000	1.462	0.312
* TGA2.500	2.500	1.908	0.312
* TGA2.500	2.500	1.962	0.312
* TGA3.000	3.000	2.408	0.312
* TGA3.000	3.000	2.442	0.312
* TGA3.500	3.500	2.908	0.312
* TGA3.500	3.500	2.942	0.312
* TGA4.000	4.000	3.408	0.312
* TGA4.000	4.000	3.442	0.312
* TGA4.500	4.500	3.908	0.312
* TGA4.500	4.500	3.942	0.312
* TGA4.500	4.500	3.942	0.375

TGA PISTON SEAL

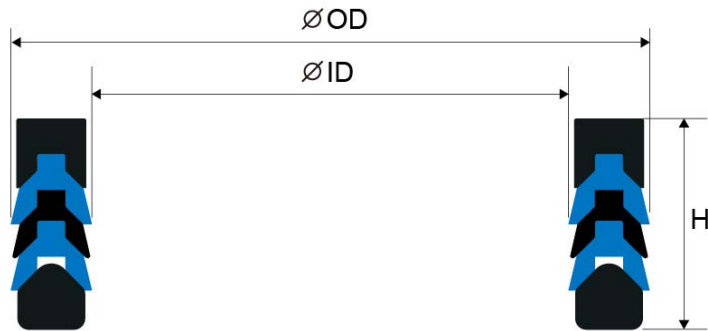


APPLICATION	
MATERIAL	NY+NBR
TEMP.	-31°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

UNIT:INCH

ITEM	OD	ID	h
* TGA4.500	4.500	3.942	0.375
* TGA5.000	5.000	4.442	0.375
* TGA5.025	5.025	4.467	0.375
* TGA6.000	6.000	5.240	0.375
* TGA6.025	6.025	5.265	0.375
* TGA6.500	6.500	5.740	0.375
* TGA7.000	7.000	6.240	0.375
* TGA7.015	7.015	6.255	0.375
* TGA7.500	7.500	6.740	0.375
* TGA8.000	8.000	7.240	0.375
* TGA8.025	8.025	7.265	0.375
* TGA8.500	8.500	7.740	0.375
* TGA9.000	9.000	8.124	0.375
* TGA9.025	9.025	8.149	0.375
* TGA9.500	9.500	8.624	0.375
* TGA10.000	10.000	9.124	0.375
* TGA10.023	10.023	9.147	0.375
* TGA12.000	12.000	11.124	0.375
* TGA5.000	5.000	4.240	0.377
* TGA5.250	5.250	4.490	0.377
* TGA5.500	5.500	4.740	0.377
* TGA4.000	4.000	3.442	0.424

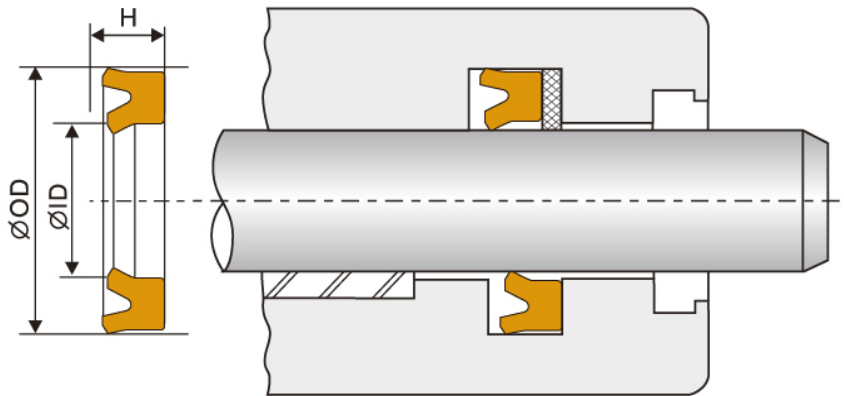
VP1 PISTON SEAL



APPLICATION	
MATERIAL	HY+NY
TEMP.	-40°F~212°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* VP1-2.500	2.500	3.000	0.8125
VP1-2.500	2.500	3.000	0.8750
* VP1-2.500	2.500	3.000	1.0000
* VP1-2.500	2.500	3.000	1.1250
* VP1-3.000	3.000	3.500	0.7500
* VP1-3.000	3.000	3.500	0.8125
VP1-3.000	3.000	3.500	0.8750
* VP1-3.000	3.000	3.500	1.0000
* VP1-3.000	3.000	3.500	1.1250
* VP1-3.000	3.000	3.500	1.7500
VP1-3.500	3.500	4.000	0.7500
* VP1-3.500	3.500	4.000	1.0000
* VP1-3.500	3.500	4.000	1.1250
* VP1-3.500	3.500	4.000	1.7500
* VP1-4.000	4.000	4.500	0.8125
* VP1-4.000	4.000	4.500	1.0000
* VP1-4.000	4.000	4.500	1.1250
VP1-4.000	4.000	4.500	1.7500
VP1-4.500	4.500	4.000	0.7500
* VP1-4.500	4.500	5.000	0.7500
* VP1-4.500	4.500	5.000	0.8750
* VP1-4.500	4.500	5.000	1.0000
* VP1-4.500	4.500	5.000	1.1250
* VP1-4.500	4.500	5.000	1.3750
* VP1-4.500	4.500	5.000	1.7500
* VP1-5.000	5.000	5.500	0.8125
* VP1-5.000	5.000	5.500	1.0000
VP1-5.000	5.000	5.500	1.2500
* VP1-6.000	6.000	6.500	1.0000
* VP1-6.000	6.000	6.500	1.2500
* VP1-6.000	6.000	6.500	1.7500
* VP1-7.000	7.000	7.500	1.0000
* VP1-7.000	7.000	7.500	1.7500
* VP1-8.000	8.000	8.500	1.7500

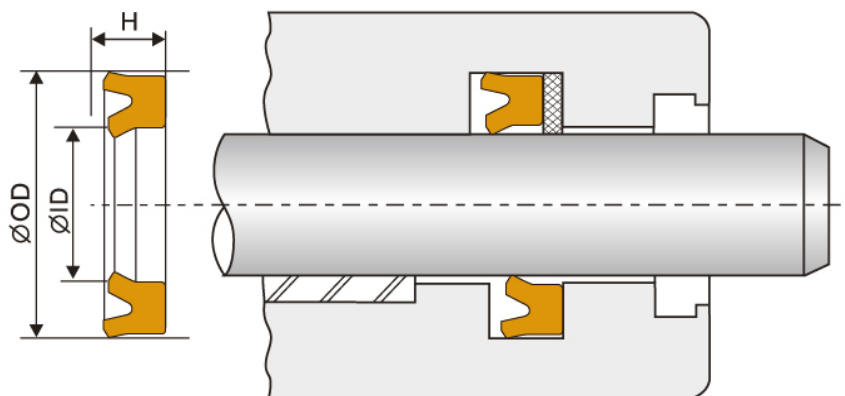
DRU ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* DRU-0.938	0.938	1.438	0.375
* DRU-1.000	1.000	1.500	0.250
* DRU-1.125	1.125	1.625	0.250
* DRU-1.250	1.250	1.750	0.250
* DRU-1.250	1.250	1.750	0.313
* DRU-1.375	1.375	2.000	0.375
* DRU-1.500	1.500	2.000	0.313
* DRU-1.625	1.625	2.125	0.313
* DRU-1.875	1.875	2.375	0.375
* DRU-2.000	2.000	2.500	0.250
* DRU-2.000	2.000	2.500	0.313
* DRU-2.000	2.000	2.625	0.375
* DRU-2.000	2.000	2.750	0.375
* DRU-2.000	2.000	2.750	0.500
* DRU-2.125	2.125	2.625	0.375
* DRU-2.250	2.250	2.875	0.375
* DRU-2.250	2.250	2.875	0.500
* DRU-2.375	2.375	2.875	0.375
* DRU-2.375	2.375	3.000	0.375
* DRU-2.375	2.375	3.000	0.500
* DRU-2.500	2.500	3.000	0.250
* DRU-2.500	2.500	3.000	0.313
* DRU-2.625	2.625	3.125	0.375
* DRU-2.750	2.750	3.375	0.375
* DRU-3.000	3.000	3.625	0.375
* DRU-3.000	3.000	3.750	0.375
* DRU-3.000	3.000	3.750	0.625
* DRU-3.375	3.375	3.875	0.375
* DRU-3.375	3.375	4.000	0.500
* DRU-3.500	3.500	4.250	0.375
* DRU-3.500	3.500	4.250	0.500
* DRU-3.625	3.625	4.375	0.375
* DRU-3.750	3.750	4.250	0.594

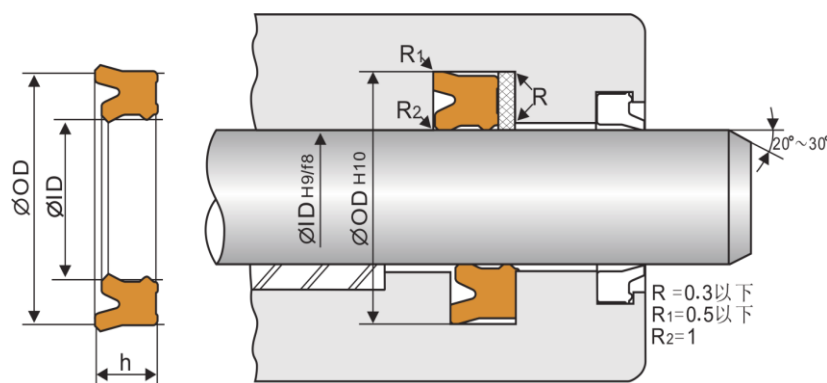
DRU ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* DRU-3.750	3.750	4.375	0.500
* DRU-4.000	4.000	4.500	0.250
* DRU-4.000	4.000	4.500	0.563
* DRU-4.000	4.000	4.625	0.500
* DRU-4.000	4.000	4.750	0.375
* DRU-4.000	4.000	4.750	0.500
* DRU-4.250	4.250	5.000	0.625
* DRU-4.375	4.375	5.125	0.500
* DRU-4.500	4.500	5.000	0.563
* DRU-4.500	4.500	5.125	0.375
* DRU-4.500	4.500	5.250	0.500
* DRU-4.750	4.750	5.500	0.375
* DRU-4.875	4.875	5.625	0.500
* DRU-5.000	5.000	5.500	0.563
* DRU-5.250	5.250	5.750	0.594
* DRU-5.250	5.250	6.000	0.625
* DRU-5.750	5.750	6.500	0.625
* DRU-6.000	6.000	6.750	0.625
* DRU-6.500	6.500	7.250	0.500
* DRU-6.750	6.750	7.250	0.594

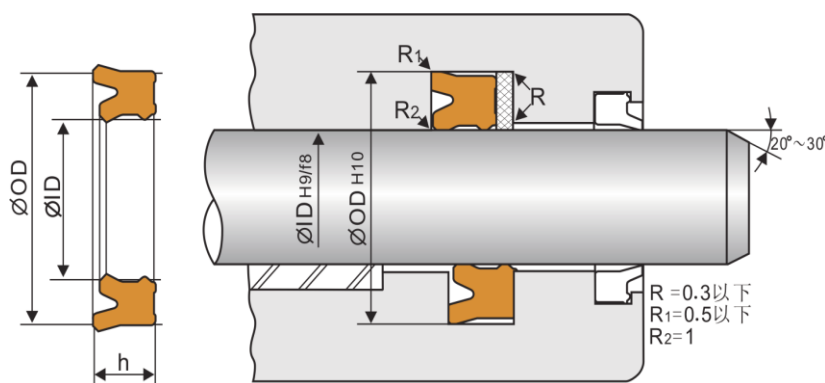
RU1 ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
RU1-0.625	0.625	0.875	0.250
RU1-0.750	0.750	1.000	0.250
RU1-0.875	0.875	1.125	0.250
RU1-1.000	1.000	1.250	0.187
RU1-1.000	1.000	1.250	0.250
RU1-1.000	1.000	1.375	0.250
RU1-1.000	1.000	1.375	0.312
RU1-1.000	1.000	1.500	0.250
RU1-1.000	1.000	1.500	0.375
RU1-1.125	1.125	1.375	0.187
RU1-1.125	1.125	1.500	0.312
RU1-1.125	1.125	1.500	0.344
RU1-1.250	1.250	1.500	0.250
RU1-1.250	1.250	1.625	0.312
RU1-1.250	1.250	1.625	0.375
RU1-1.250	1.250	1.750	0.250
RU1-1.250	1.250	1.750	0.375
RU1-1.375	1.375	1.625	0.187
RU1-1.375	1.375	1.750	0.312
RU1-1.375	1.375	1.875	0.375
RU1-1.500	1.500	1.750	0.250
RU1-1.500	1.500	1.875	0.250
RU1-1.500	1.500	1.875	0.312
RU1-1.500	1.500	1.875	0.375
RU1-1.500	1.500	2.000	0.375
RU1-1.625	1.625	2.000	0.312
RU1-1.625	1.625	2.000	0.375
RU1-1.625	1.625	2.125	0.375
RU1-1.750	1.750	2.125	0.250
RU1-1.750	1.750	2.125	0.312
RU1-1.750	1.750	2.125	0.375
RU1-1.750	1.750	2.250	0.375
RU1-1.875	1.875	2.250	0.312

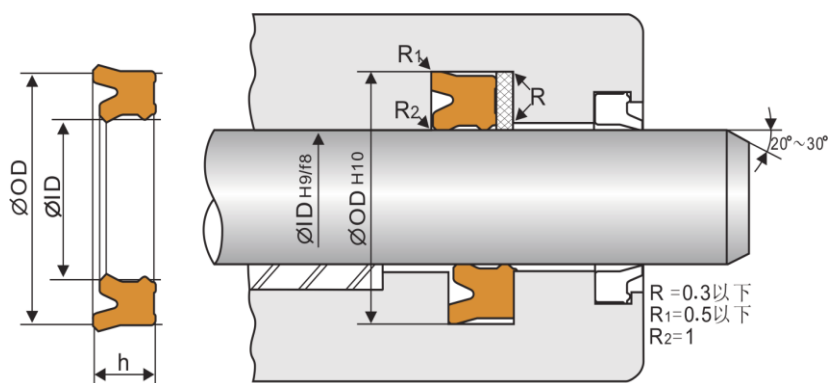
RU1 ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
RU1-1.875	1.875	2.250	0.375
RU1-1.875	1.875	2.375	0.375
RU1-2.000	2.000	2.250	0.250
RU1-2.000	2.000	2.375	0.312
RU1-2.000	2.000	2.375	0.375
RU1-2.000	2.000	2.500	0.312
RU1-2.000	2.000	2.500	0.375
RU1-2.000	2.000	2.625	0.550
RU1-2.125	2.125	2.500	0.375
RU1-2.125	2.125	2.625	0.375
RU1-2.250	2.250	2.625	0.375
RU1-2.250	2.250	2.750	0.375
RU1-2.250	2.250	2.875	0.550
RU1-2.375	2.375	2.750	0.375
RU1-2.500	2.500	2.875	0.312
RU1-2.500	2.500	3.000	0.375
RU1-2.500	2.500	3.125	0.550
RU1-2.750	2.750	3.250	0.312
RU1-2.750	2.750	3.250	0.375
RU1-2.750	2.750	3.375	0.500
RU1-3.000	3.000	3.375	0.375
RU1-3.000	3.000	3.500	0.375
RU1-3.125	3.125	3.500	0.625
RU1-3.250	3.250	3.625	0.562
RU1-3.250	3.250	3.750	0.375
RU1-3.500	3.500	3.875	0.375
RU1-3.500	3.500	4.000	0.312
RU1-3.500	3.500	4.000	0.375
RU1-3.750	3.750	4.250	0.375
RU1-4.000	4.000	4.375	0.375
RU1-4.000	4.000	4.500	0.375
RU1-4.000	4.000	4.500	0.562
RU1-4.000	4.000	4.625	0.550

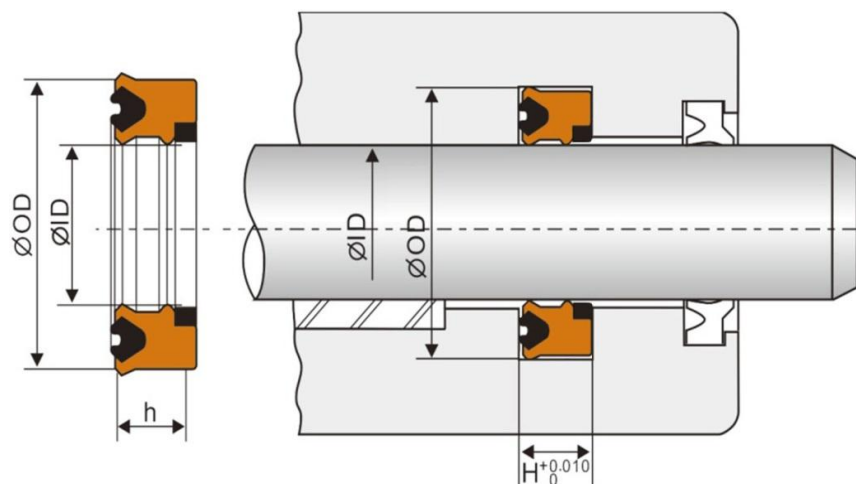
RU1 ROD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
RU1-4.500	4.500	5.000	0.375
RU1-5.000	5.000	5.500	0.375
RU1-5.500	5.500	6.000	0.375
* RU1-5.500	5.500	6.000	0.562
* RU1-5.500	5.500	6.125	0.312
RU1-5.500	5.500	6.250	0.625
* RU1-5.625	5.625	6.125	0.375
* RU1-6.000	6.000	6.500	0.562
* RU1-6.000	6.000	6.500	0.781
* RU1-6.000	6.000	6.531	0.562
* RU1-6.000	6.000	6.750	0.625
* RU1-6.500	6.500	7.250	0.625
* RU1-7.000	7.000	7.500	0.562
* RU1-7.000	7.000	7.500	0.780
* RU1-7.000	7.000	7.531	0.562
* RU1-7.000	7.000	7.750	0.625
* RU1-7.500	7.500	8.000	0.375
* RU1-7.750	7.750	8.500	0.625
* RU1-8.000	8.000	8.500	0.375
* RU1-8.000	8.000	8.500	0.562
* RU1-8.000	8.000	8.750	0.625
* RU1-8.125	8.125	8.625	0.781
* RU1-8.500	8.500	9.000	0.375
* RU1-9.000	9.000	9.500	0.562
* RU1-9.250	9.250	10.000	0.625
* RU1-9.375	9.375	9.875	0.781
* RU1-9.750	9.750	10.250	0.375
* RU1-10.00	10.000	10.500	0.562

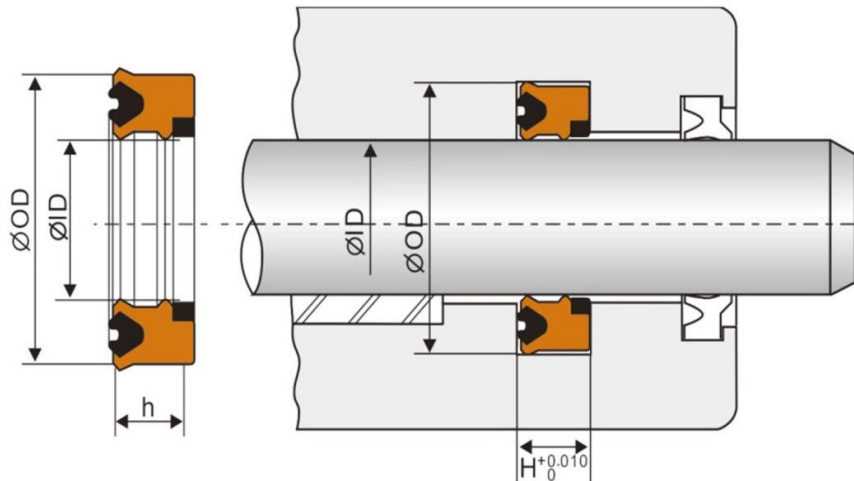
RP1 ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POM
TEMP.	-40°F~248°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* RP1-1.250	1.250	1.625	0.250	0.275
RP1-1.250	1.250	1.625	0.312	0.344
RP1-1.375	1.375	1.875	0.375	0.413
* RP1-1.500	1.500	1.875	0.250	0.275
RP1-1.500	1.500	1.875	0.312	0.344
RP1-1.500	1.500	2.000	0.375	0.413
* RP1-1.750	1.750	2.125	0.250	0.275
RP1-1.750	1.750	2.125	0.375	0.413
RP1-1.750	1.750	2.250	0.375	0.413
RP1-2.000	2.000	2.375	0.375	0.413
RP1-2.000	2.000	2.500	0.375	0.413
* RP1-2.125	2.125	2.625	0.375	0.413
RP1-2.250	2.250	2.750	0.375	0.413
* RP1-2.375	2.375	2.875	0.375	0.413
RP1-2.500	2.500	3.000	0.375	0.413
* RP1-2.500	2.500	3.125	0.500	0.550
RP1-2.750	2.750	3.250	0.375	0.413
RP1-3.000	3.000	3.500	0.375	0.413
RP1-3.000	3.000	3.625	0.500	0.550
* RP1-3.000	3.000	3.750	0.625	0.688
RP1-3.250	3.250	3.750	0.375	0.413
* RP1-3.250	3.250	4.000	0.625	0.688
RP1-3.500	3.500	4.000	0.375	0.413
* RP1-3.500	3.500	4.125	0.500	0.550
* RP1-3.500	3.500	4.250	0.625	0.688
* RP1-3.750	3.750	4.125	0.375	0.413
RP1-3.750	3.750	4.250	0.375	0.413
RP1-4.000	4.000	4.500	0.375	0.413
RP1-4.000	4.000	4.500	0.562	0.619
* RP1-4.000	4.000	4.625	0.375	0.413
* RP1-4.000	4.000	4.625	0.500	0.550
* RP1-4.000	4.000	4.625	0.562	0.619

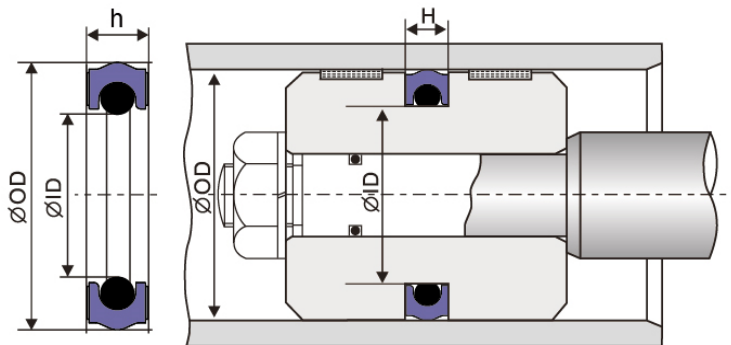
RP1 ROD SEAL



APPLICATION	
MATERIAL	PU+NBR+POM
TEMP.	-40°F~248°F
PRESSURE	7000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
RP1-4.000	4.000	4.750	0.625	0.688
* RP1-4.250	4.250	5.000	0.625	0.688
RP1-4.500	4.500	5.000	0.375	0.413
RP1-4.500	4.500	5.000	0.562	0.619
* RP1-4.500	4.500	5.125	0.375	0.413
* RP1-4.500	4.500	5.125	0.625	0.688
RP1-4.500	4.500	5.250	0.625	0.688
* RP1-4.750	4.750	5.500	0.375	0.413
* RP1-4.750	4.750	5.500	0.625	0.688
RP1-5.000	5.000	5.500	0.562	0.619
* RP1-5.000	5.000	5.625	0.625	0.688
RP1-5.000	5.000	5.750	0.625	0.688
* RP1-5.250	5.250	6.000	0.625	0.688
RP1-5.500	5.500	6.000	0.562	0.619
* RP1-5.500	5.500	6.125	0.375	0.413

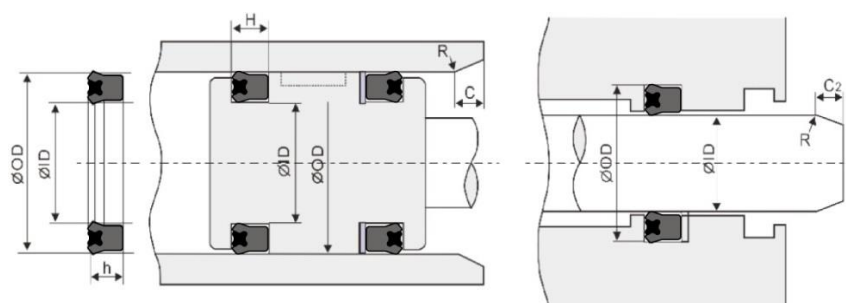
CR1 PISTON SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-31°F~212°F	-31°F~230°F
PRESSURE	5000 psi	5000 psi
SPEED	3.2 ft/s	3.2 ft/s

ITEM	OD	ID	h	H
* CP-214	1.25	1.00	0.150	0.185
* CP-218	1.50	1.25	0.150	0.185
* CP-222	1.75	1.50	0.150	0.185
* CP-326	2.00	1.625	0.255	0.280
* CP-328	2.25	1.875	0.255	0.280
CP-330	2.50	2.125	0.1875	0.280
* CP-332	2.75	2.375	0.255	0.280
* CP-334	3.00	2.625	0.255	0.280
CP-336	3.25	2.875	0.1875	0.280
* CP-338	3.50	3.125	0.255	0.280
* CP-342	4.00	3.625	0.255	0.280
CP-346	4.50	4.125	0.1875	0.280
* CP-348	4.75	4.375	0.1875	0.280
CP-350	5.00	4.625	0.1875	0.280
* CP-427	5.25	4.75	0.250	0.365
CP-429	5.50	5.00	0.250	0.365
* CP-433	6.00	5.50	0.320	0.365
* CP-439	7.00	6.50	0.320	0.365
* CP-443	8.00	7.50	0.320	0.365
* CP-448	10.00	9.50	0.320	0.365

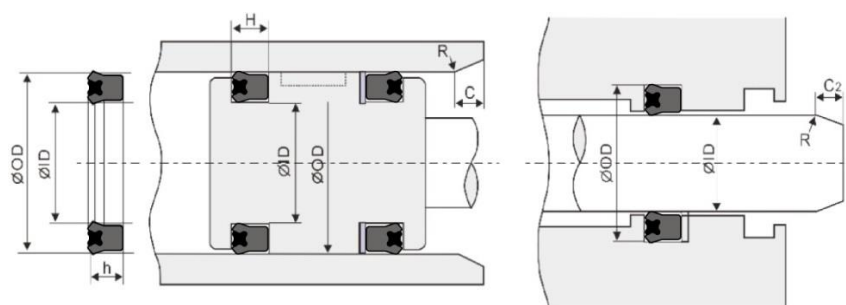
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-0.187	0.187	0.750	0.550
* RX1-0.250	0.250	0.750	0.413
* RX1-0.250	0.250	0.875	0.550
* RX1-0.312	0.312	0.750	0.413
* RX1-0.312	0.312	0.812	0.413
* RX1-0.375	0.375	0.875	0.413
* RX1-0.375	0.375	1.000	0.550
* RX1-0.437	0.437	0.875	0.413
* RX1-0.437	0.437	0.937	0.413
* RX1-0.437	0.437	1.062	0.550
* RX1-0.500	0.500	1.000	0.413
* RX1-0.500	0.500	1.125	0.550
* RX1-0.562	0.562	1.000	0.413
* RX1-0.562	0.562	1.062	0.413
* RX1-0.625	0.625	1.125	0.413
* RX1-0.625	0.625	1.250	0.550
* RX1-0.687	0.687	1.187	0.413
* RX1-0.687	0.687	1.250	0.550
* RX1-0.687	0.687	1.312	0.550
* RX1-0.750	0.750	1.000	0.138
* RX1-0.750	0.750	1.000	0.275
* RX1-0.750	0.750	1.188	0.413
* RX1-0.750	0.750	1.250	0.413
* RX1-0.750	0.750	1.375	0.550
* RX1-0.812	0.812	1.312	0.413
* RX1-0.812	0.812	1.436	0.550
* RX1-0.875	0.875	1.250	0.413
* RX1-0.875	0.875	1.375	0.413
* RX1-0.875	0.875	1.500	0.550
* RX1-0.937	0.937	1.375	0.413
* RX1-0.937	0.937	1.437	0.413
RX1-1.000	1.000	1.250	0.250
* RX1-1.000	1.000	1.375	0.275
* RX1-1.000	1.000	1.500	0.413

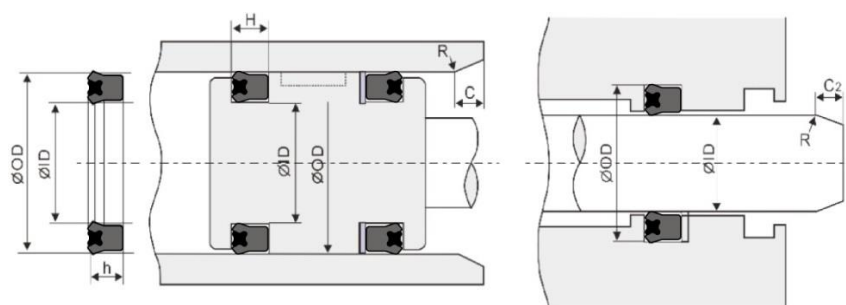
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-1.000	1.000	1.625	0.550
* RX1-1.062	1.062	1.562	0.413
* RX1-1.062	1.062	1.687	0.550
* RX1-1.093	1.093	1.593	0.413
* RX1-1.125	1.125	1.375	0.25/0.275
* RX1-1.125	1.125	1.625	0.413
* RX1-1.125	1.125	1.750	0.550
* RX1-1.125	1.125	2.000	0.550
* RX1-1.187	1.187	1.687	0.413
* RX1-1.187	1.187	1.812	0.550
RX1-1.250	1.250	1.625	0.312
* RX1-1.250	1.250	1.625	0.413
* RX1-1.250	1.250	1.750	0.413
* RX1-1.250	1.250	1.875	0.550
* RX1-1.250	1.250	2.000	0.550
* RX1-1.312	1.312	1.812	0.413
* RX1-1.312	1.312	1.937	0.550
* RX1-1.375	1.375	1.750	0.413
* RX1-1.375	1.375	1.875	0.413
* RX1-1.375	1.375	2.000	0.550
* RX1-1.437	1.437	1.937	0.413
* RX1-1.437	1.437	2.061	0.550
* RX1-1.500	1.500	1.875	0.413
RX1-1.500	1.500	2.000	0.375
* RX1-1.500	1.500	2.000	0.413
* RX1-1.500	1.500	2.125	0.550
* RX1-1.500	1.500	2.250	0.550
* RX1-1.625	1.625	2.000	0.413
* RX1-1.625	1.625	2.125	0.413
* RX1-1.625	1.625	2.250	0.550
* RX1-1.625	1.625	2.375	0.413
* RX1-1.687	1.687	2.062	0.413
* RX1-1.687	1.687	2.312	0.550
* RX1-1.750	1.750	2.125	0.413

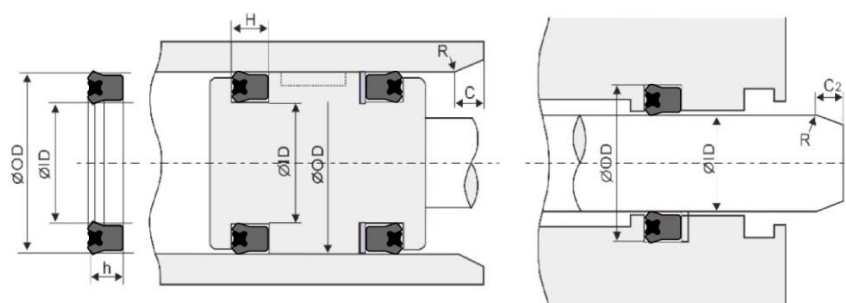
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-1.750	1.750	2.188	0.413
* RX1-1.750	1.750	2.250	0.413
* RX1-1.750	1.750	2.375	0.550
* RX1-1.750	1.750	2.500	0.550
* RX1-1.875	1.875	2.250	0.413
* RX1-1.875	1.875	2.375	0.413
* RX1-1.875	1.875	2.500	0.550
* RX1-1.937	1.937	2.312	0.413
* RX1-1.937	1.937	2.437	0.413
* RX1-1.937	1.937	2.562	0.550
RX1-2.000	2.000	2.500	0.375
* RX1-2.000	2.000	2.375	0.413
* RX1-2.000	2.000	2.438	0.413
* RX1-2.000	2.000	2.500	0.413
* RX1-2.000	2.000	2.625	0.550
* RX1-2.000	2.000	2.750	0.550
* RX1-2.062	2.062	2.437	0.413
* RX1-2.062	2.062	2.500	0.413
* RX1-2.125	2.125	2.500	0.413
* RX1-2.125	2.125	2.625	0.413
* RX1-2.125	2.125	2.750	0.550
* RX1-2.187	2.187	2.562	0.413
* RX1-2.250	2.250	2.625	0.413
* RX1-2.250	2.250	2.750	0.413
* RX1-2.250	2.250	2.812	0.413
* RX1-2.250	2.250	2.875	0.550
* RX1-2.250	2.250	3.000	0.550
* RX1-2.250	2.250	3.125	0.413
* RX1-2.312	2.312	2.875	0.550
* RX1-2.312	2.312	2.937	0.550
* RX1-2.375	2.375	2.750	0.413
* RX1-2.375	2.375	2.875	0.413
* RX1-2.375	2.375	3.000	0.550
* RX1-2.500	2.500	2.875	0.413

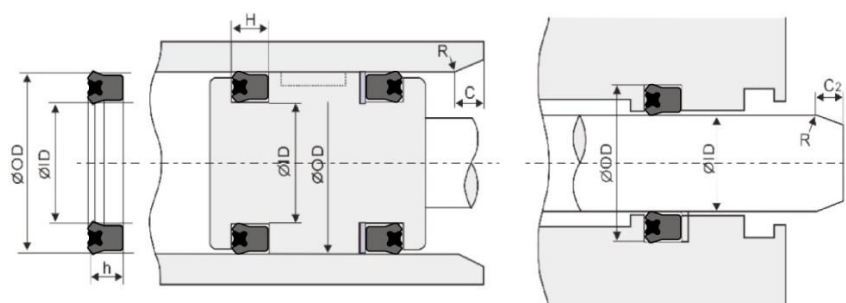
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-2.500	2.500	2.937	0.413
RX1-2.500	2.500	3.000	0.375
* RX1-2.500	2.500	3.000	0.413
* RX1-2.500	2.500	3.125	0.550
* RX1-2.500	2.500	3.250	0.550
* RX1-2.562	2.562	3.000	0.413
* RX1-2.562	2.562	3.062	0.413
* RX1-2.562	2.562	3.125	0.550
* RX1-2.562	2.562	3.187	0.550
* RX1-2.625	2.625	3.000	0.413
* RX1-2.625	2.625	3.125	0.413
* RX1-2.625	2.625	3.250	0.550
* RX1-2.750	2.750	3.125	0.413
* RX1-2.750	2.750	3.250	0.413
* RX1-2.750	2.750	3.375	0.550
* RX1-2.750	2.750	3.500	0.550
* RX1-2.812	2.812	3.250	0.413
* RX1-2.875	2.875	3.250	0.413
* RX1-2.875	2.875	3.375	0.413
* RX1-2.875	2.875	3.500	0.550
* RX1-3.000	3.000	3.375	0.413
* RX1-3.000	3.000	3.500	0.375
* RX1-3.000	3.000	3.500	0.413
* RX1-3.000	3.000	3.625	0.413
* RX1-3.000	3.000	3.625	0.550
* RX1-3.000	3.000	3.750	0.550
* RX1-3.062	3.062	3.500	0.413
* RX1-3.125	3.125	3.500	0.413
* RX1-3.125	3.125	3.625	0.413
* RX1-3.125	3.125	3.750	0.413
* RX1-3.125	3.125	3.750	0.550
* RX1-3.250	3.250	3.625	0.413
* RX1-3.250	3.250	3.750	0.413
* RX1-3.250	3.250	3.875	0.550

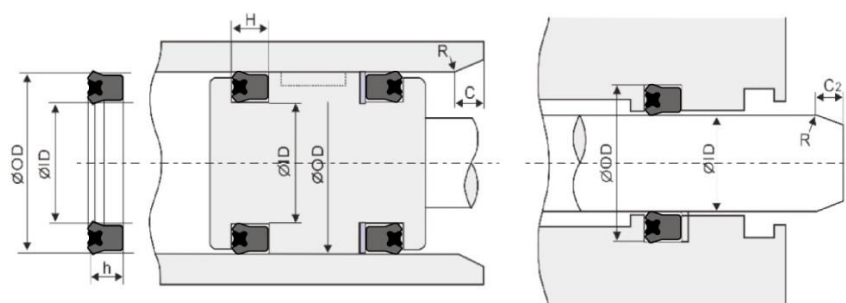
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-3.250	3.250	4.000	0.550
* RX1-3.375	3.375	3.750	0.413
* RX1-3.375	3.375	3.875	0.413
* RX1-3.375	3.375	4.000	0.550
* RX1-3.437	3.437	3.875	0.413
* RX1-3.500	3.500	3.875	0.413
* RX1-3.500	3.500	4.000	0.413
* RX1-3.500	3.500	4.125	0.550
* RX1-3.500	3.500	4.250	0.550
* RX1-3.625	3.625	4.000	0.413
* RX1-3.625	3.625	4.125	0.413
* RX1-3.625	3.625	4.250	0.413
* RX1-3.625	3.625	4.250	0.550
* RX1-3.687	3.687	4.250	0.413
* RX1-3.750	3.750	4.125	0.413
* RX1-3.750	3.750	4.250	0.413
* RX1-3.750	3.750	4.375	0.413
* RX1-3.750	3.750	4.375	0.550
* RX1-3.750	3.750	4.500	0.550
* RX1-3.875	3.875	4.250	0.413
* RX1-3.875	3.875	4.375	0.413
* RX1-3.875	3.875	4.500	0.550
* RX1-3.937	3.937	4.500	0.550
* RX1-4.000	4.000	4.375	0.413
* RX1-4.000	4.000	4.500	0.413
* RX1-4.000	4.000	4.625	0.550
* RX1-4.000	4.000	4.750	0.550
* RX1-4.062	4.062	4.562	0.413
* RX1-4.125	4.125	4.500	0.413
* RX1-4.250	4.250	4.625	0.413
* RX1-4.250	4.250	4.750	0.413
* RX1-4.250	4.250	5.000	0.413
* RX1-4.250	4.250	5.000	0.550
* RX1-4.375	4.375	4.750	0.413

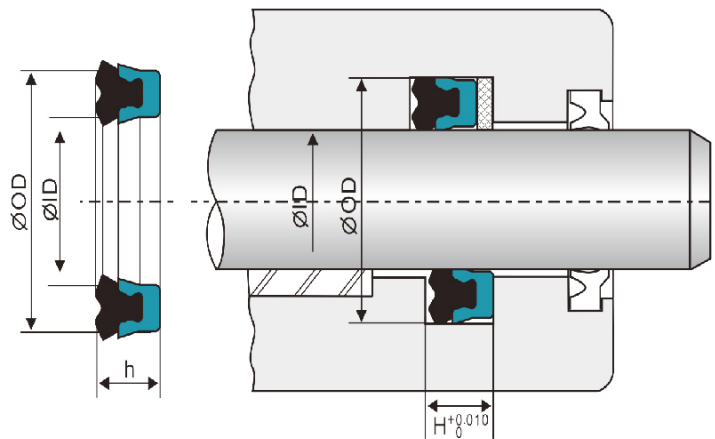
RX1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* RX1-4.375	4.375	5.000	0.550
* RX1-4.437	4.437	4.937	0.413
* RX1-4.437	4.437	5.000	0.550
* RX1-4.500	4.500	5.000	0.275
* RX1-4.500	4.500	4.875	0.413
* RX1-4.500	4.500	5.000	0.413
* RX1-4.500	4.500	5.000	0.550
* RX1-4.500	4.500	5.250	0.550
* RX1-4.625	4.625	5.000	0.413
* RX1-4.750	4.750	5.125	0.413
* RX1-4.750	4.750	5.250	0.413
* RX1-4.750	4.750	5.500	0.550
* RX1-4.875	4.875	5.250	0.413
* RX1-4.875	4.875	5.375	0.413
* RX1-4.937	4.937	5.500	0.550
* RX1-5.000	5.000	5.375	0.413
* RX1-5.000	5.000	5.500	0.413
RX1-5.000	5.000	5.625	0.625
* RX1-5.000	5.000	5.750	0.413
* RX1-5.000	5.000	5.750	0.550
* RX1-5.125	5.125	6.000	0.550
* RX1-5.250	5.250	5.625	0.413
* RX1-5.250	5.250	5.750	0.413
* RX1-5.250	5.250	5.875	0.550
* RX1-5.250	5.250	6.000	0.413
* RX1-5.250	5.250	6.000	0.550
* RX1-5.250	5.250	6.250	0.550
* RX1-5.375	5.375	5.875	0.413
* RX1-5.500	5.500	6.250	0.550
* RX1-5.750	5.750	6.500	0.550
* RX1-6.000	6.000	6.750	0.550
* RX1-6.250	6.250	7.000	0.550

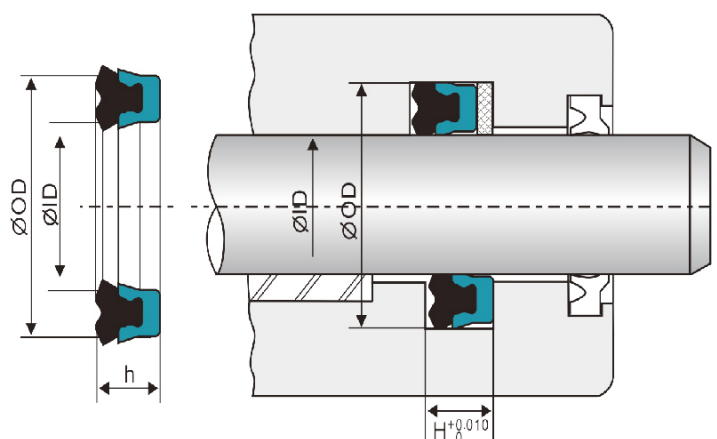
RZ1 PISTON & ROD SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-40°F~212°F	-40°F~212°F
PRESSURE	5600 psi	5600 psi
SPEED	1.6 ft/s	1.6 ft/s

ITEM	ID	OD	H	h
* RZ1-0.187	0.187	0.437	0.213	0.187
* RZ1-0.187	0.187	0.437	0.275	0.250
* RZ1-0.375	0.375	0.875	0.413	0.375
* RZ1-0.500	0.500	0.750	0.275	0.250
* RZ1-0.500	0.500	0.875	0.343	0.312
* RZ1-0.625	0.625	0.937	0.275	0.250
* RZ1-0.750	0.750	1.000	0.213	0.187
* RZ1-0.750	0.750	1.000	0.275	0.250
* RZ1-0.750	0.750	1.125	0.343	0.312
* RZ1-0.875	0.875	1.125	0.275	0.250
* RZ1-1.000	1.000	1.250	0.275	0.250
RZ1-1.000	1.000	1.375	0.343	0.312
* RZ1-1.125	1.125	1.375	0.275	0.250
* RZ1-1.125	1.125	1.500	0.343	0.312
* RZ1-1.125	1.125	1.625	0.413	0.375
* RZ1-1.187	1.187	1.562	0.343	0.312
* RZ1-1.250	1.250	1.500	0.275	0.250
* RZ1-1.250	1.250	1.625	0.343	0.312
* RZ1-1.250	1.250	1.750	0.413	0.375
* RZ1-1.250	1.250	1.750	0.618	0.562
* RZ1-1.250	1.250	2.000	0.688	0.625
* RZ1-1.375	1.375	1.625	0.343	0.312
* RZ1-1.375	1.375	1.750	0.343	0.312
* RZ1-1.375	1.375	1.875	0.413	0.375
* RZ1-1.500	1.500	1.750	0.275	0.250
* RZ1-1.500	1.500	1.812	0.343	0.312
* RZ1-1.500	1.500	1.875	0.343	0.312
RZ1-1.500	1.500	1.875	0.413	0.375
* RZ1-1.500	1.500	2.000	0.413	0.375
* RZ1-1.500	1.500	2.000	0.618	0.562
* RZ1-1.625	1.625	2.000	0.343	0.312
* RZ1-1.625	1.625	2.000	0.413	0.375

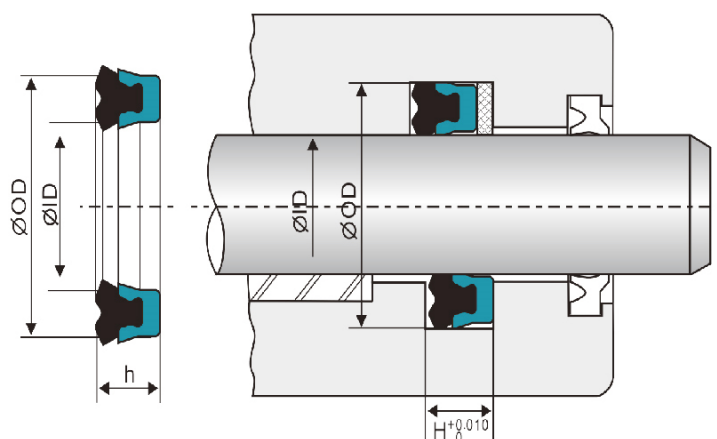
RZ1 PISTON & ROD SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-40°F~212°F	-40°F~212°F
PRESSURE	5600 psi	5600 psi
SPEED	1.6 ft/s	1.6 ft/s

ITEM	ID	OD	H	h
* RZ1-1.625	1.625	2.125	0.413	0.375
* RZ1-1.750	1.750	2.000	0.275	0.250
RZ1-1.750	1.750	2.125	0.343	0.312
* RZ1-1.750	1.750	2.125	0.413	0.375
RZ1-1.750	1.750	2.250	0.413	0.375
* RZ1-1.750	1.750	2.500	0.413	0.375
* RZ1-1.750	1.750	2.500	0.825	0.750
* RZ1-1.875	1.875	2.250	0.343	0.312
* RZ1-2.000	2.000	2.375	0.343	0.312
RZ1-2.000	2.000	2.375	0.413	0.375
* RZ1-2.000	2.000	2.500	0.413	0.375
* RZ1-2.000	2.000	2.500	0.618	0.562
RZ1-2.250	2.250	2.625	0.312	0.275
* RZ1-2.250	2.250	2.625	0.343	0.312
* RZ1-2.250	2.250	2.625	0.413	0.375
* RZ1-2.250	2.250	2.750	0.413	0.375
* RZ1-2.375	2.375	2.750	0.343	0.312
* RZ1-2.375	2.375	2.875	0.413	0.375
* RZ1-2.500	2.500	2.875	0.343	0.312
* RZ1-2.500	2.500	2.875	0.413	0.375
* RZ1-2.500	2.500	3.000	0.413	0.375
* RZ1-2.500	2.500	3.125	0.550	0.500
* RZ1-2.500	2.500	3.250	0.688	0.625
RZ1-2.625	2.625	3.125	0.413	0.375
* RZ1-2.750	2.750	3.125	0.343	0.312
* RZ1-2.750	2.750	3.250	0.413	0.375
* RZ1-2.750	2.750	3.500	0.688	0.625
* RZ1-2.875	2.875	3.375	0.413	0.375
* RZ1-3.000	3.000	3.375	0.343	0.312
* RZ1-3.000	3.000	3.375	0.413	0.375
* RZ1-3.000	3.000	3.500	0.413	0.375
* RZ1-3.000	3.000	3.500	0.618	0.562

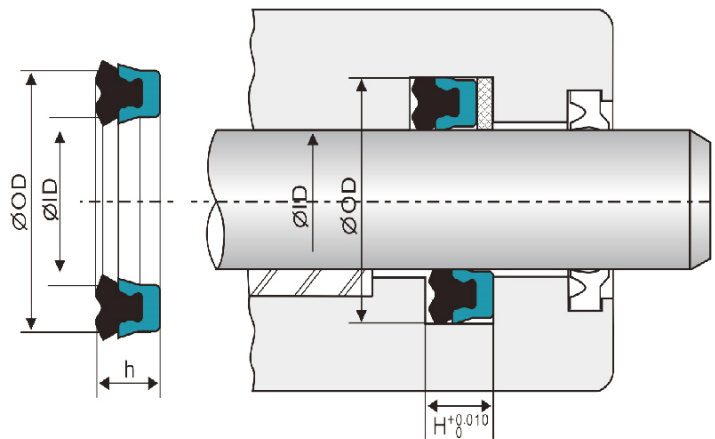
RZ1 PISTON & ROD SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-40°F~212°F	-40°F~212°F
PRESSURE	5600 psi	5600 psi
SPEED	1.6 ft/s	1.6 ft/s

ITEM	ID	OD	H	h
* RZ1-3.000	3.000	3.625	0.550	0.500
* RZ1-3.000	3.000	3.750	0.688	0.625
* RZ1-3.000	3.000	3.750	0.965	0.875
* RZ1-3.125	3.125	3.625	0.413	0.375
* RZ1-3.187	3.187	3.562	0.413	0.375
* RZ1-3.250	3.250	3.625	0.343	0.312
RZ1-3.250	3.250	3.750	0.413	0.375
* RZ1-3.250	3.250	3.875	0.550	0.500
* RZ1-3.250	3.250	4.000	0.688	0.625
* RZ1-3.375	3.375	3.875	0.413	0.375
* RZ1-3.375	3.375	4.000	0.550	0.500
RZ1-3.500	3.500	4.000	0.413	0.375
* RZ1-3.500	3.500	4.125	0.550	0.500
RZ1-3.500	3.500	4.250	0.688	0.625
* RZ1-3.500	3.500	4.500	0.825	0.750
* RZ1-3.625	3.625	4.375	0.688	0.625
* RZ1-3.625	3.625	4.375	0.965	0.875
* RZ1-3.750	3.750	4.250	0.413	0.375
* RZ1-3.750	3.750	4.250	0.618	0.562
* RZ1-3.750	3.750	4.375	0.413	0.375
* RZ1-3.750	3.750	4.375	0.550	0.500
* RZ1-3.750	3.750	4.500	0.688	0.625
* RZ1-3.875	3.875	4.375	0.413	0.375
* RZ1-4.000	4.000	4.375	0.413	0.375
* RZ1-4.000	4.000	4.500	0.618	0.562
RZ1-4.000	4.000	4.750	0.688	0.625
* RZ1-4.000	4.000	4.750	0.825	0.750
* RZ1-4.000	4.000	5.000	0.825	0.750
* RZ1-4.250	4.250	4.750	0.413	0.375
* RZ1-4.250	4.250	4.875	0.618	0.562
* RZ1-4.250	4.250	5.000	0.688	0.625

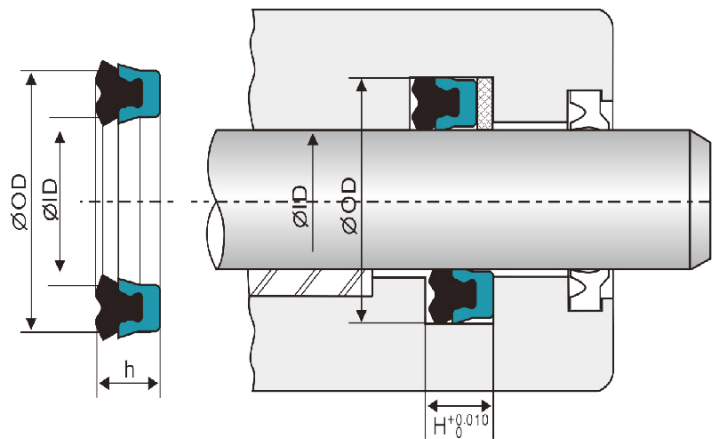
RZ1 PISTON & ROD SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-40°F~212°F	-40°F~212°F
PRESSURE	5600 psi	5600 psi
SPEED	1.6 ft/s	1.6 ft/s

ITEM	ID	OD	H	h
* RZ1-4.500	4.500	5.000	0.413	0.375
* RZ1-4.500	4.500	5.000	0.618	0.562
* RZ1-4.500	4.500	5.250	0.688	0.625
* RZ1-4.500	4.500	5.250	0.825	0.750
* RZ1-4.625	4.625	5.125	0.618	0.562
* RZ1-4.750	4.750	5.125	0.413	0.375
* RZ1-4.750	4.750	5.250	0.618	0.562
* RZ1-4.750	4.750	5.500	0.688	0.625
RZ1-5.000	5.000	5.375	0.413	0.375
* RZ1-5.000	5.000	5.500	0.413	0.375
* RZ1-5.000	5.000	5.500	0.618	0.562
* RZ1-5.000	5.000	5.750	0.688	0.625
* RZ1-5.250	5.250	5.750	0.618	0.562
* RZ1-5.375	5.375	5.875	0.413	0.375
* RZ1-5.500	5.500	5.875	0.413	0.375
* RZ1-5.500	5.500	6.000	0.618	0.562
* RZ1-5.500	5.500	6.250	0.688	0.625
RZ1-5.750	5.750	6.250	0.413	0.375
* RZ1-5.750	5.750	6.500	0.688	0.625
RZ1-5.795	5.795	6.170	0.413	0.375
* RZ1-6.000	6.000	6.500	0.413	0.375
* RZ1-6.000	6.000	6.500	0.618	0.562
* RZ1-6.000	6.000	6.750	0.688	0.625
RZ1-6.000	6.000	7.000	0.825	0.750
* RZ1-6.375	6.375	6.875	0.550	0.500
* RZ1-6.500	6.500	7.000	0.413	0.375
* RZ1-6.500	6.500	7.000	0.618	0.562
* RZ1-6.500	6.500	7.250	0.688	0.625
* RZ1-6.750	6.750	7.250	0.618	0.562
* RZ1-7.000	7.000	7.500	0.413	0.375
* RZ1-7.000	7.000	7.750	0.688	0.625
* RZ1-7.000	7.000	8.000	0.825	0.750

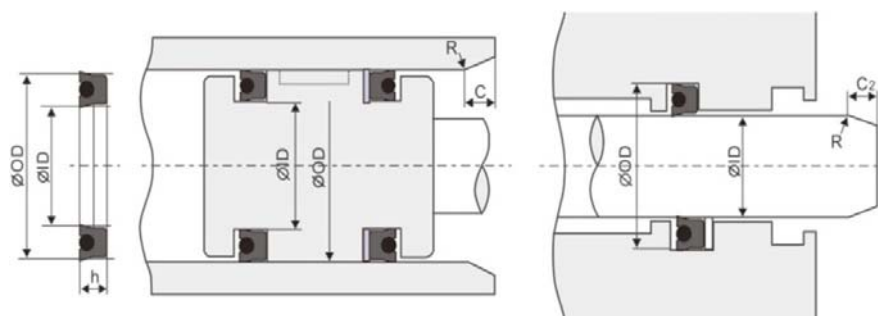
RZ1 PISTON & ROD SEAL



APPLICATION		
MATERIAL	HY+NBR	PU+NBR
TEMP.	-40°F~212°F	-40°F~212°F
PRESSURE	5600 psi	5600 psi
SPEED	1.6 ft/s	1.6 ft/s

ITEM	ID	OD	H	h
RZ1-7.250	7.250	7.750	0.413	0.375
* RZ1-7.250	7.250	7.750	0.550	0.500
* RZ1-7.500	7.500	8.250	0.688	0.625
* RZ1-7.750	7.750	8.500	0.550	0.500
* RZ1-8.000	8.000	8.750	0.688	0.625
* RZ1-8.000	8.000	9.000	0.825	0.750
* RZ1-8.125	8.125	8.625	0.413	0.375
* RZ1-8.125	8.125	8.625	0.550	0.500
* RZ1-8.125	8.125	8.625	0.618	0.562
* RZ1-8.250	8.250	9.000	0.688	0.625
* RZ1-8.500	8.500	9.500	0.825	0.750
* RZ1-8.875	8.875	9.500	0.550	0.500
* RZ1-9.000	9.000	9.750	0.688	0.625
* RZ1-9.000	9.000	10.000	0.825	0.750
* RZ1-9.250	9.250	10.000	0.618	0.562
* RZ1-10.500	10.500	11.250	0.688	0.625
* RZ1-10.750	10.750	11.500	0.688	0.625
* RZ1-11.000	11.000	12.000	0.825	0.750
* RZ1-12.000	12.000	13.000	0.825	0.750

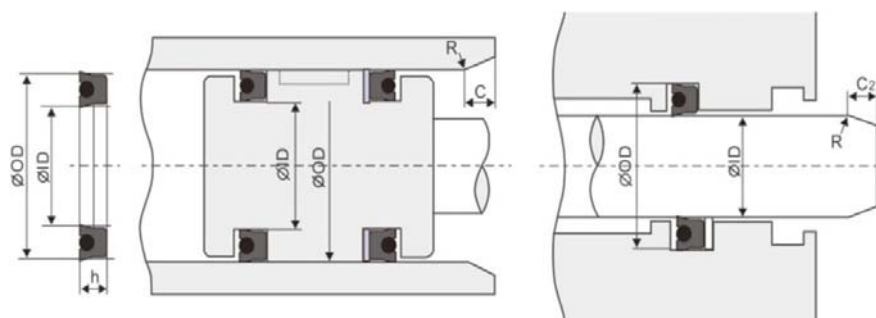
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
1/8 CROSS SECTION			
* UQ1-0.062	0.062	0.312	0.138
* UQ1-0.093	0.093	0.343	0.138
* UQ1-0.125	0.125	0.375	0.138
* UQ1-0.140	0.140	0.390	0.138
* UQ1-0.187	0.187	0.437	0.138
* UQ1-0.250	0.250	0.500	0.138
* UQ1-0.312	0.312	0.562	0.138
* UQ1-0.359	0.359	0.609	0.138
* UQ1-0.375	0.375	0.625	0.138
* UQ1-0.437	0.437	0.687	0.138
* UQ1-0.500	0.500	0.750	0.138
* UQ1-0.531	0.531	0.781	0.138
* UQ1-0.562	0.562	0.812	0.138
UQ1-0.625	0.625	0.875	0.138
* UQ1-0.687	0.687	0.937	0.138
* UQ1-0.750	0.750	1.000	0.138
* UQ1-0.812	0.812	1.062	0.138
* UQ1-0.875	0.875	1.125	0.138
* UQ1-0.906	0.906	1.156	0.138
* UQ1-0.937	0.937	1.187	0.138
* UQ1-1.000	1.000	1.250	0.138
* UQ1-1.062	1.062	1.312	0.138
* UQ1-1.125	1.125	1.375	0.138
* UQ1-1.187	1.187	1.437	0.138
* UQ1-1.250	1.250	1.500	0.138
* UQ1-1.312	1.312	1.562	0.138
* UQ1-1.375	1.375	1.625	0.138
* UQ1-1.437	1.437	1.687	0.138
* UQ1-1.500	1.500	1.750	0.138
* UQ1-1.562	1.562	1.812	0.138
* UQ1-1.625	1.625	1.875	0.138
* UQ1-1.687	1.687	1.937	0.138
* UQ1-1.750	1.750	2.000	0.138
* UQ1-1.875	1.875	2.125	0.138

UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-2.000	2.000	2.250	0.138
* UQ1-2.125	2.125	2.375	0.138
* UQ1-2.250	2.250	2.500	0.138
* UQ1-2.375	2.375	2.625	0.138
* UQ1-2.500	2.500	2.750	0.138
* UQ1-2.625	2.625	2.875	0.138
* UQ1-2.750	2.750	3.000	0.138
* UQ1-2.875	2.875	3.125	0.138
* UQ1-3.000	3.000	3.250	0.138
* UQ1-3.250	3.250	3.500	0.138
* UQ1-3.500	3.500	3.750	0.138
* UQ1-4.000	4.000	4.250	0.138
* UQ1-4.250	4.250	4.500	0.138
* UQ1-4.375	4.375	4.625	0.138
* UQ1-4.500	4.500	4.750	0.138
* UQ1-4.750	4.750	5.000	0.138
* UQ1-5.000	5.000	5.250	0.138

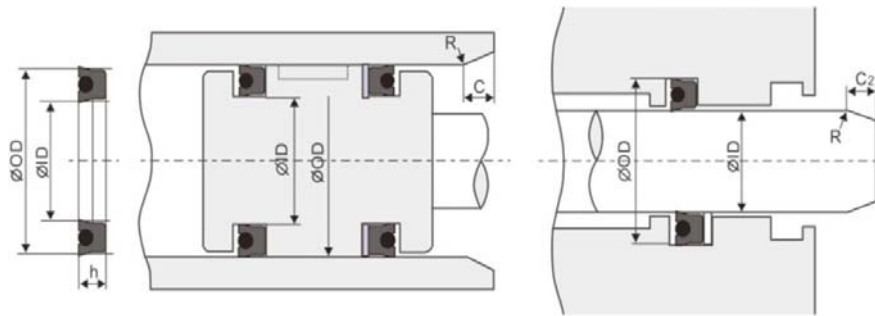
5/32 CROSS SECTION

* UQ1-0.437	0.437	0.750	0.172
* UQ1-0.750	0.750	1.062	0.172
* UQ1-0.937	0.937	1.250	0.172
* UQ1-1.000	1.000	1.312	0.172
* UQ1-1.062	1.062	1.375	0.172
* UQ1-1.187	1.187	1.500	0.172
* UQ1-1.250	1.250	1.563	0.172
* UQ1-1.312	1.312	1.625	0.172
* UQ1-1.375	1.375	1.687	0.172
* UQ1-1.500	1.500	1.812	0.172
* UQ1-2.062	2.062	2.375	0.172

3/16 CROSS SECTION

* UQ1-0.187	0.187	0.562	0.206
* UQ1-0.250	0.250	0.625	0.206
* UQ1-0.312	0.312	0.687	0.206
* UQ1-0.375	0.375	0.750	0.206
* UQ1-0.437	0.437	0.812	0.206

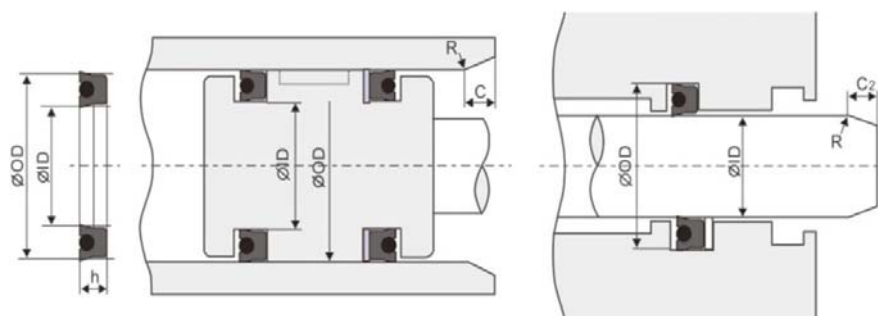
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-0.500	0.500	0.875	0.206
* UQ1-0.562	0.562	0.936	0.206
* UQ1-0.625	0.625	1.000	0.206
* UQ1-0.656	0.656	1.031	0.206
* UQ1-0.687	0.687	1.061	0.206
* UQ1-0.750	0.750	1.125	0.206
* UQ1-0.812	0.812	1.186	0.206
* UQ1-0.875	0.875	1.250	0.206
* UQ1-0.937	0.937	1.312	0.206
* UQ1-1.000	1.000	1.375	0.206
* UQ1-1.062	1.062	1.436	0.206
* UQ1-1.125	1.125	1.500	0.206
* UQ1-1.187	1.187	1.562	0.206
* UQ1-1.250	1.250	1.625	0.206
* UQ1-1.312	1.312	1.686	0.206
* UQ1-1.375	1.375	1.750	0.206
* UQ1-1.437	1.437	1.812	0.206
* UQ1-1.500	1.500	1.875	0.206
* UQ1-1.562	1.562	1.937	0.206
* UQ1-1.625	1.625	2.000	0.206
* UQ1-1.750	1.750	2.125	0.206
* UQ1-1.812	1.812	2.187	0.206
* UQ1-1.875	1.875	2.250	0.206
* UQ1-1.937	1.937	2.312	0.206
* UQ1-2.000	2.000	2.375	0.206
* UQ1-2.062	2.062	2.437	0.206
* UQ1-2.125	2.125	2.500	0.206
* UQ1-2.250	2.250	2.625	0.206
* UQ1-2.375	2.375	2.750	0.206
* UQ1-2.500	2.500	2.875	0.206
* UQ1-2.625	2.625	3.000	0.206
* UQ1-2.750	2.750	3.125	0.206
* UQ1-2.875	2.875	3.250	0.206
* UQ1-3.000	3.000	3.375	0.206
* UQ1-3.125	3.125	3.500	0.206
* UQ1-3.250	3.250	3.625	0.206

UQ1 PISTON & ROD SEAL



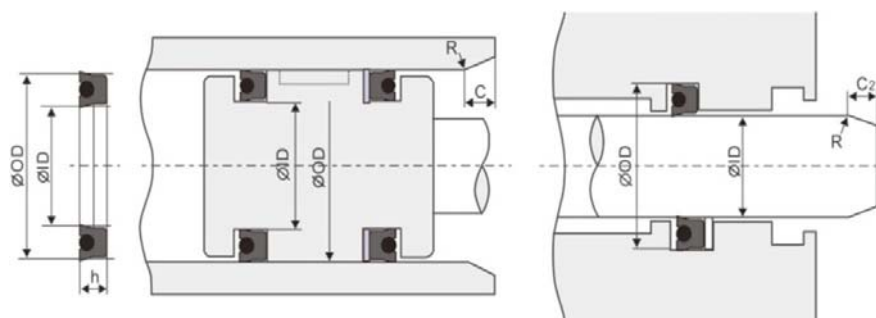
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-3.375	3.375	3.750	0.206
* UQ1-3.500	3.500	3.875	0.206
* UQ1-3.625	3.625	4.000	0.206
* UQ1-3.750	3.750	4.125	0.206
* UQ1-3.875	3.875	4.250	0.206
* UQ1-4.000	4.000	4.375	0.206
* UQ1-4.125	4.125	4.500	0.206
* UQ1-4.250	4.250	4.625	0.206
* UQ1-4.375	4.375	4.750	0.206
* UQ1-4.500	4.500	4.875	0.206
* UQ1-4.625	4.625	5.000	0.206
* UQ1-4.750	4.750	5.125	0.206
* UQ1-4.875	4.875	5.250	0.206
* UQ1-5.000	5.000	5.375	0.206
* UQ1-5.250	5.250	5.625	0.206

1/4 CROSS SECTION

* UQ1-0.250	0.250	0.750	0.275
* UQ1-0.312	0.312	0.812	0.275
* UQ1-0.375	0.375	0.875	0.275
* UQ1-0.437	0.437	0.937	0.275
* UQ1-0.500	0.500	1.000	0.275
* UQ1-0.562	0.562	1.062	0.275
* UQ1-0.625	0.625	1.125	0.275
* UQ1-0.687	0.687	1.187	0.275
* UQ1-0.750	0.750	1.250	0.275
* UQ1-0.812	0.812	1.312	0.275
* UQ1-0.875	0.875	1.375	0.275
* UQ1-0.937	0.937	1.437	0.275
* UQ1-1.000	1.000	1.500	0.275
* UQ1-1.062	1.062	1.562	0.275
* UQ1-1.093	1.093	1.593	0.275
* UQ1-1.125	1.125	1.625	0.275
* UQ1-1.187	1.187	1.687	0.275
* UQ1-1.250	1.250	1.750	0.275

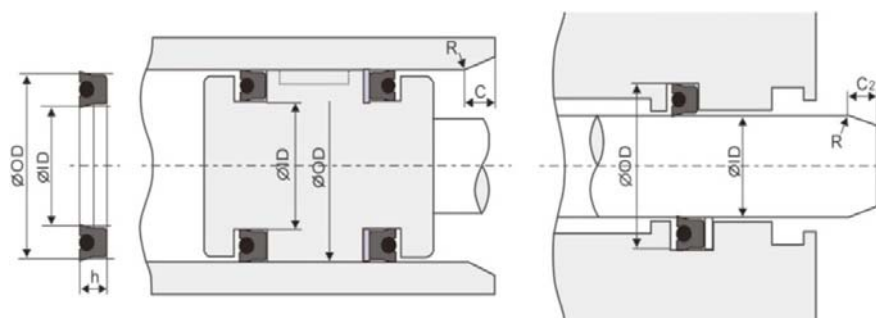
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-1.312	1.312	1.812	0.275
* UQ1-1.375	1.375	1.875	0.275
UQ1-1.500	1.500	2.000	0.275
* UQ1-1.625	1.625	2.125	0.275
* UQ1-1.750	1.750	2.250	0.275
* UQ1-1.875	1.875	2.375	0.275
* UQ1-2.000	2.000	2.500	0.275
* UQ1-2.125	2.125	2.625	0.275
* UQ1-2.250	2.250	2.750	0.275
* UQ1-2.375	2.375	2.875	0.275
* UQ1-2.500	2.500	3.000	0.275
* UQ1-2.625	2.625	3.125	0.275
* UQ1-2.750	2.750	3.250	0.275
* UQ1-2.875	2.875	3.375	0.275
* UQ1-3.000	3.000	3.500	0.275
* UQ1-3.125	3.125	3.625	0.275
* UQ1-3.250	3.250	3.750	0.275
* UQ1-3.375	3.375	3.875	0.275
* UQ1-3.500	3.500	4.000	0.275
* UQ1-3.625	3.625	4.125	0.275
* UQ1-3.750	3.750	4.250	0.275
* UQ1-3.875	3.875	4.375	0.275
* UQ1-4.000	4.000	4.500	0.275
* UQ1-4.125	4.125	4.625	0.275
* UQ1-4.250	4.250	4.750	0.275
* UQ1-4.375	4.375	4.875	0.275
* UQ1-4.500	4.500	5.000	0.275
* UQ1-4.625	4.625	5.125	0.275
* UQ1-4.750	4.750	5.250	0.275
* UQ1-4.875	4.875	5.375	0.275
* UQ1-5.000	5.000	5.500	0.275
* UQ1-5.125	5.125	5.625	0.275
* UQ1-5.250	5.250	5.750	0.275
* UQ1-5.375	5.375	5.875	0.275
UQ1-5.500	5.500	6.000	0.250

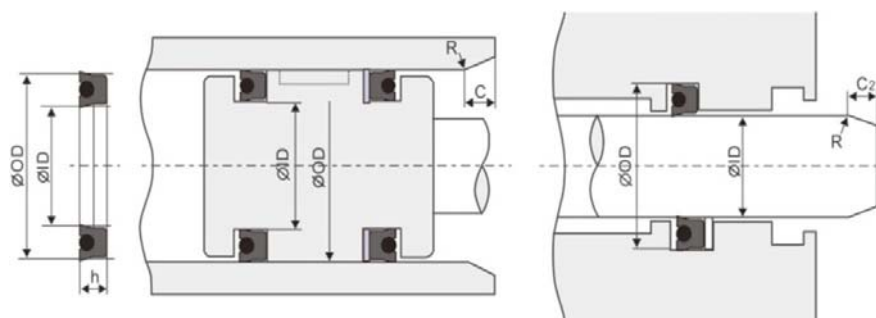
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
5/16 CROSS SECTION			
* UQ1-0.187	0.187	0.750	0.309
* UQ1-0.687	0.687	1.250	0.309
* UQ1-2.312	2.312	2.875	0.309
* UQ1-2.562	2.562	3.125	0.309
* UQ1-4.437	4.437	5.000	0.309
* UQ1-5.000	5.000	5.562	0.309
* UQ1-5.437	5.437	6.000	0.309
5/16 CROSS SECTION			
* UQ1-0.250	0.250	0.875	0.343
* UQ1-0.375	0.375	1.000	0.343
* UQ1-0.437	0.437	1.062	0.343
* UQ1-0.500	0.500	1.125	0.343
* UQ1-0.625	0.625	1.250	0.343
* UQ1-0.687	0.687	1.312	0.343
* UQ1-0.750	0.750	1.375	0.343
* UQ1-0.812	0.812	1.436	0.343
* UQ1-0.875	0.875	1.500	0.343
* UQ1-1.000	1.000	1.625	0.343
* UQ1-1.062	1.062	1.687	0.343
* UQ1-1.125	1.125	1.750	0.343
* UQ1-1.187	1.187	1.812	0.343
* UQ1-1.250	1.250	1.875	0.343
* UQ1-1.312	1.312	1.937	0.343
* UQ1-1.375	1.375	2.000	0.343
* UQ1-1.500	1.500	2.125	0.343
* UQ1-1.625	1.625	2.250	0.343
* UQ1-1.687	1.687	2.312	0.343
* UQ1-1.750	1.750	2.375	0.343
* UQ1-1.875	1.875	2.500	0.343
* UQ1-1.937	1.937	2.562	0.343
* UQ1-2.125	2.125	2.750	0.343
* UQ1-2.250	2.250	2.875	0.343
* UQ1-2.312	2.312	2.937	0.343
* UQ1-2.375	2.375	3.000	0.343

UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-2.500	2.500	3.125	0.343
* UQ1-2.562	2.562	3.187	0.343
* UQ1-2.625	2.625	3.250	0.343
* UQ1-2.750	2.750	3.375	0.343
* UQ1-2.875	2.875	3.500	0.343
* UQ1-3.000	3.000	3.625	0.343
* UQ1-3.125	3.125	3.750	0.343
* UQ1-3.250	3.250	3.875	0.343
* UQ1-3.375	3.375	4.000	0.343
* UQ1-3.500	3.500	4.125	0.343
* UQ1-3.625	3.625	4.250	0.343
* UQ1-3.750	3.750	4.375	0.343
* UQ1-3.875	3.875	4.500	0.343
* UQ1-4.125	4.125	4.750	0.343
* UQ1-4.250	4.250	4.875	0.343
* UQ1-4.375	4.375	5.000	0.343
* UQ1-4.500	4.500	5.125	0.343
* UQ1-4.750	4.750	5.375	0.343
* UQ1-4.875	4.875	5.500	0.343
* UQ1-5.000	5.000	5.625	0.343
* UQ1-5.125	5.125	5.750	0.343
* UQ1-5.250	5.250	5.875	0.343
* UQ1-5.375	5.375	6.000	0.343

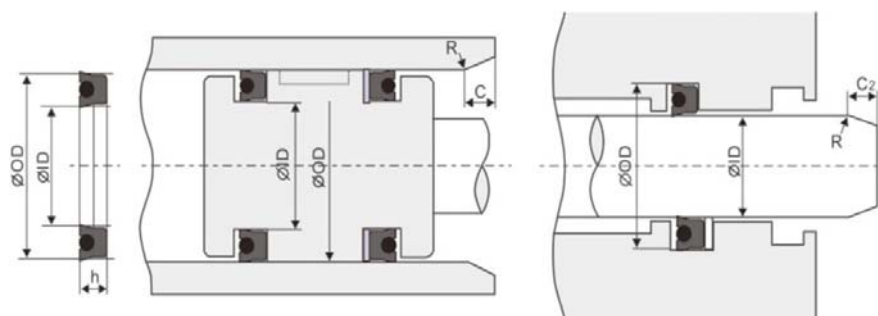
3/8 CROSS SECTION

* UQ1-1.312	1.312	2.000	0.377
* UQ1-1.812	1.812	2.500	0.377
* UQ1-2.687	2.687	3.375	0.377

3/8 CROSS SECTION

* UQ1-0.500	0.500	1.250	0.413
* UQ1-0.625	0.625	1.375	0.413
* UQ1-0.750	0.750	1.500	0.413
* UQ1-0.875	0.875	1.625	0.413
* UQ1-0.937	0.937	1.687	0.413
* UQ1-1.000	1.000	1.750	0.413
* UQ1-1.125	1.125	1.875	0.413

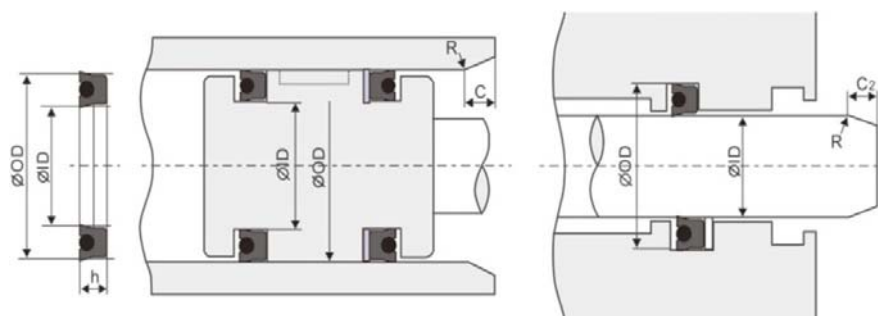
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-1.250	1.250	2.000	0.413
* UQ1-1.312	1.312	2.062	0.413
* UQ1-1.375	1.375	2.125	0.413
* UQ1-1.437	1.437	2.187	0.413
* UQ1-1.500	1.500	2.250	0.413
* UQ1-1.562	1.562	2.312	0.413
* UQ1-1.625	1.625	2.375	0.413
* UQ1-1.750	1.750	2.500	0.413
* UQ1-1.875	1.875	2.625	0.413
* UQ1-2.000	2.000	2.750	0.413
* UQ1-2.062	2.062	2.812	0.413
* UQ1-2.125	2.125	2.875	0.413
UQ1-2.250	2.250	3.000	0.413
* UQ1-2.375	2.375	3.125	0.413
* UQ1-2.437	2.437	3.187	0.413
* UQ1-2.500	2.500	3.250	0.413
* UQ1-2.625	2.625	3.375	0.413
* UQ1-2.687	2.687	3.437	0.413
* UQ1-2.750	2.750	3.500	0.413
* UQ1-2.875	2.875	3.625	0.413
* UQ1-3.000	3.000	3.750	0.413
* UQ1-3.125	3.125	3.875	0.413
* UQ1-3.250	3.250	4.000	0.413
* UQ1-3.375	3.375	4.125	0.413
* UQ1-3.500	3.500	4.250	0.413
* UQ1-3.625	3.625	4.375	0.413
* UQ1-3.750	3.750	4.500	0.413
* UQ1-3.875	3.875	4.625	0.413
* UQ1-4.000	4.000	4.750	0.413
* UQ1-4.125	4.125	4.875	0.413
* UQ1-4.250	4.250	5.000	0.413
* UQ1-4.375	4.375	5.125	0.413
* UQ1-4.500	4.500	5.250	0.413
* UQ1-4.625	4.625	5.375	0.413
* UQ1-4.750	4.750	5.500	0.413
* UQ1-4.875	4.875	5.625	0.413

UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

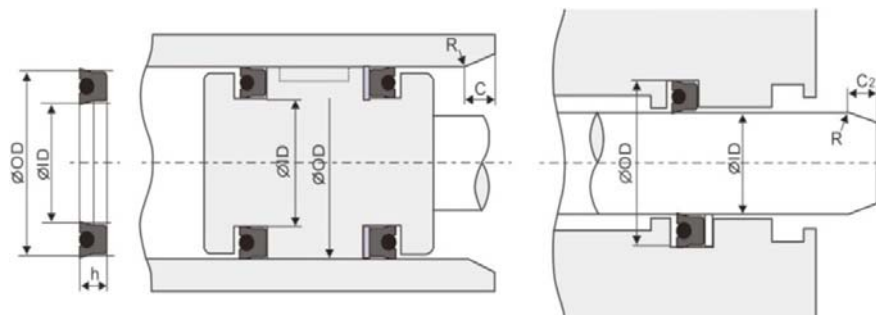
ITEM	ID	OD	h
* UQ1-5.000	5.000	5.750	0.413
* UQ1-5.125	5.125	5.875	0.413
* UQ1-5.250	5.250	6.000	0.413
* UQ1-5.375	5.375	6.125	0.413

1/2 CROSS SECTION

* UQ1-1.000	1.000	2.000	0.550
* UQ1-1.250	1.250	2.250	0.550
* UQ1-1.312	1.312	2.312	0.550
* UQ1-1.375	1.375	2.375	0.550
* UQ1-1.500	1.500	2.500	0.550
* UQ1-1.875	1.875	2.875	0.550
* UQ1-2.000	2.000	3.000	0.550
* UQ1-2.125	2.125	3.125	0.550
* UQ1-2.250	2.250	3.250	0.550
* UQ1-2.375	2.375	3.375	0.550
* UQ1-2.500	2.500	3.500	0.550
* UQ1-2.750	2.750	3.750	0.550
* UQ1-2.875	2.875	3.875	0.550
* UQ1-3.000	3.000	4.000	0.550
* UQ1-3.250	3.250	4.250	0.550
* UQ1-3.500	3.500	4.500	0.550
* UQ1-3.750	3.750	4.750	0.550
* UQ1-4.000	4.000	5.000	0.550
* UQ1-4.125	4.125	5.125	0.550
* UQ1-4.250	4.250	5.250	0.550
* UQ1-4.312	4.312	5.312	0.550
* UQ1-4.375	4.375	5.375	0.550
* UQ1-4.500	4.500	5.500	0.550
* UQ1-4.750	4.750	5.750	0.550
* UQ1-5.000	5.000	6.000	0.550
* UQ1-5.125	5.125	6.125	0.550
* UQ1-5.250	5.250	6.250	0.550
* UQ1-5.375	5.375	6.375	0.550
* UQ1-5.437	5.437	6.437	0.550

5/8 CROSS SECTION

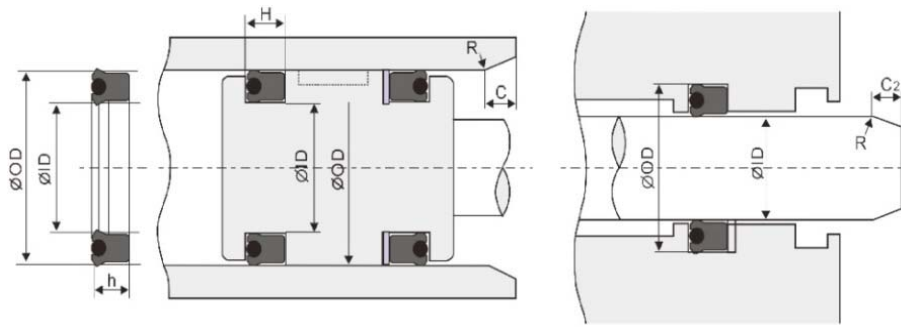
UQ1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-31°F~230°F
PRESSURE	4200 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h
* UQ1-1.750	1.750	3.000	0.688
* UQ1-2.000	2.000	3.250	0.688
* UQ1-2.500	2.500	3.750	0.688
* UQ1-2.750	2.750	4.000	0.688
* UQ1-2.812	2.812	4.062	0.688
* UQ1-3.000	3.000	4.250	0.688
* UQ1-3.250	3.250	4.500	0.688
* UQ1-3.375	3.375	4.625	0.688
* UQ1-3.500	3.500	4.750	0.688
* UQ1-3.750	3.750	5.000	0.688
* UQ1-4.000	4.000	5.250	0.688
* UQ1-4.250	4.250	5.500	0.688
* UQ1-4.500	4.500	5.750	0.688
* UQ1-4.625	4.625	5.875	0.688
* UQ1-4.750	4.750	6.000	0.688
* UQ1-5.000	5.000	6.250	0.688
* UQ1-5.250	5.250	6.500	0.688

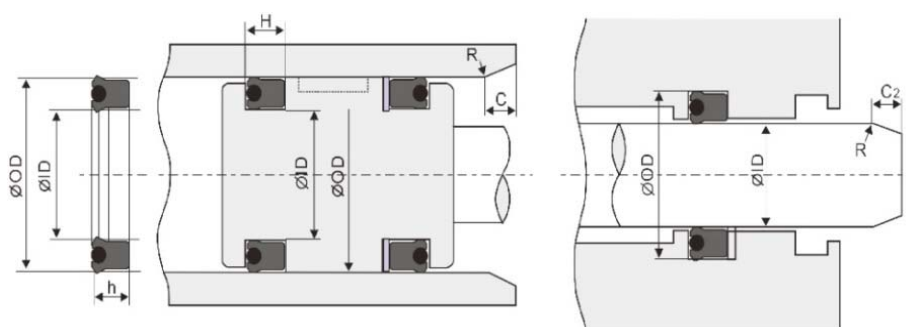
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
1/8 CROSS SECTION				
* S13	0.250	0.500	0.187	0.207
* S13	0.625	0.875	0.188	0.207
* S13	1.000	1.250	0.187	0.207
* S13	1.125	1.375	0.187	0.207
* S13	1.250	1.500	0.188	0.207
* S13	1.375	1.625	0.188	0.207
S13	1.500	1.750	0.187	0.206
* S13	1.625	1.875	0.188	0.207
* S13	1.875	2.125	0.188	0.207
* S13	2.000	2.250	0.188	0.207
* S13	0.375	0.625	0.125	0.138
* S13	0.375	0.625	0.125	0.138
* S13	0.500	0.750	0.125	0.138
* S13	0.625	0.875	0.125	0.138
* S13	0.750	1.000	0.125	0.139
S13	0.750	1.000	0.125	0.138
* S13	0.250	0.500	0.250	0.275
* S13	0.375	0.625	0.250	0.275
* S13	0.437	0.687	0.250	0.275
* S13	0.500	0.750	0.250	0.275
* S13	0.625	0.875	0.250	0.275
S13	0.750	1.000	0.250	0.275
* S13	0.875	1.125	0.250	0.275
* S13	0.937	1.187	0.250	0.275
* S13	1.000	1.250	0.250	0.275
* S13	1.063	1.313	0.250	0.275
S13	1.125	1.375	0.250	0.275
* S13	1.187	1.437	0.250	0.275
* S13	1.250	1.500	0.250	0.275
* S13	1.375	1.625	0.250	0.275
* S13	1.437	1.687	0.250	0.275
* S13	1.500	1.750	0.250	0.275

S13 PISTON & ROD SEAL



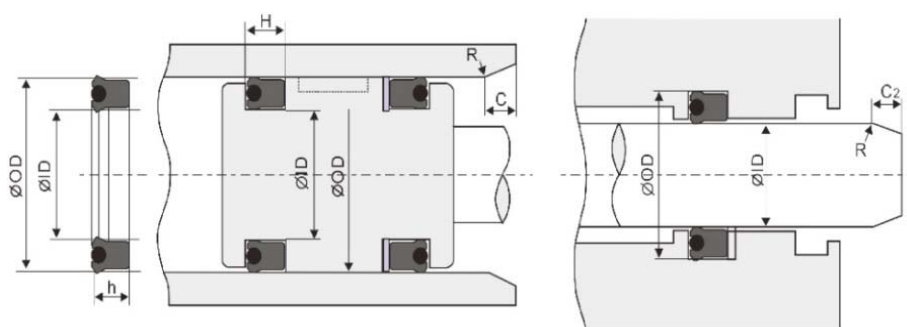
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	1.625	1.875	0.250	0.275
* S13	1.750	2.000	0.250	0.275
* S13	1.875	2.125	0.250	0.275
* S13	2.000	2.250	0.250	0.275
* S13	2.125	2.375	0.250	0.275
* S13	2.250	2.500	0.250	0.275
* S13	2.500	2.750	0.250	0.275
* S13	2.875	3.125	0.250	0.275
* S13	3.875	4.125	0.250	0.275
* S13	4.875	5.125	0.250	0.275

3/16 CROSS SECTION

* S13	0.750	1.125	0.188	0.207
* S13	1.000	1.375	0.188	0.207
* S13	1.125	1.500	0.188	0.207
* S13	1.500	1.875	0.188	0.207
* S13	2.125	2.500	0.188	0.207
* S13	2.750	3.125	0.188	0.207
* S13	3.000	3.375	0.188	0.207
* S13	3.125	3.500	0.188	0.207
* S13	3.750	4.125	0.188	0.207
* S13	4.000	4.375	0.188	0.207
* S13	1.750	2.125	0.230	0.250
* S13	2.000	2.375	0.230	0.250
* S13	0.500	0.875	0.250	0.275
* S13	0.750	1.125	0.250	0.275
S13	1.000	1.375	0.250	0.275
* S13	1.125	1.500	0.250	0.275
* S13	1.250	1.625	0.250	0.275
* S13	1.375	1.750	0.250	0.275
* S13	1.500	1.875	0.250	0.275
* S13	1.625	2.000	0.250	0.275
S13	1.875	2.250	0.250	0.275

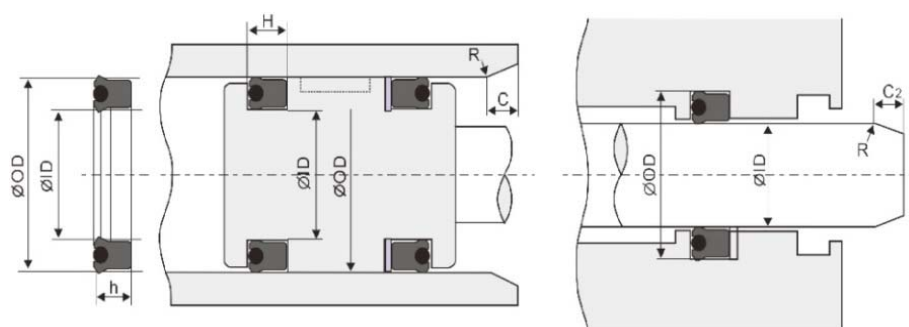
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	2.000	2.375	0.250	0.275
* S13	2.125	2.500	0.250	0.275
* S13	2.500	2.875	0.250	0.275
* S13	2.625	3.000	0.250	0.275
* S13	3.000	3.375	0.250	0.275
* S13	3.125	3.500	0.250	0.275
* S13	3.625	4.000	0.250	0.275
* S13	4.000	4.375	0.250	0.275
* S13	4.125	4.500	0.250	0.275
* S13	4.625	5.000	0.250	0.275
S13	1.875	2.250	0.280	0.308
* S13	2.375	2.750	0.280	0.308
* S13	2.875	3.250	0.280	0.308
* S13	3.375	3.750	0.280	0.308
* S13	3.875	4.250	0.280	0.308
* S13	4.375	4.750	0.280	0.308
* S13	4.875	5.250	0.280	0.308
* S13	1.125	1.500	0.312	0.344
* S13	1.250	1.625	0.312	0.344
* S13	1.375	1.750	0.312	0.344
* S13	0.500	0.875	0.313	0.344
* S13	0.625	1.000	0.313	0.344
* S13	0.750	1.125	0.313	0.344
* S13	0.875	1.250	0.313	0.344
* S13	1.000	1.375	0.313	0.344
* S13	1.062	1.437	0.313	0.344
* S13	1.125	1.375	0.313	0.344
* S13	1.188	1.563	0.313	0.344
* S13	1.500	1.875	0.313	0.344
* S13	1.625	2.000	0.313	0.344
* S13	1.750	2.125	0.313	0.344
* S13	2.000	2.375	0.313	0.344
* S13	2.625	3.000	0.313	0.344
* S13	2.750	3.125	0.313	0.344

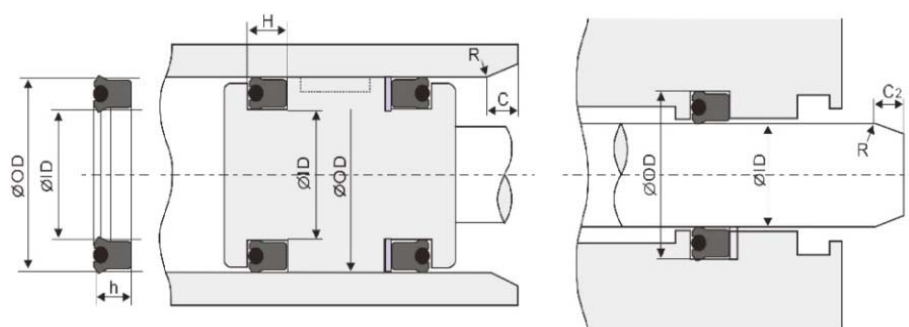
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	3.000	3.375	0.313	0.344
* S13	3.250	3.625	0.313	0.344
* S13	3.625	4.000	0.313	0.344
* S13	3.750	4.125	0.313	0.344
* S13	4.000	4.375	0.313	0.344
* S13	4.250	4.625	0.313	0.344
* S13	4.625	5.000	0.313	0.344
* S13	0.750	1.125	0.375	0.413
* S13	1.250	1.625	0.375	0.413
* S13	1.375	1.750	0.375	0.413
* S13	1.500	1.875	0.375	0.413
S13	1.625	2.000	0.375	0.413
* S13	1.750	2.125	0.375	0.413
S13	1.875	2.250	0.375	0.413
* S13	2.000	2.375	0.375	0.413
* S13	2.125	2.500	0.375	0.413
* S13	2.375	2.750	0.375	0.413
* S13	2.500	2.875	0.375	0.413
* S13	2.625	3.000	0.375	0.413
* S13	2.750	3.125	0.375	0.413
* S13	2.875	3.250	0.375	0.413
* S13	3.000	3.375	0.375	0.413
* S13	3.125	3.500	0.375	0.413
* S13	3.250	3.625	0.375	0.413
* S13	3.375	3.750	0.375	0.413
* S13	3.500	3.875	0.375	0.413
* S13	3.625	4.000	0.375	0.413
* S13	3.750	4.125	0.375	0.413
* S13	3.875	4.250	0.375	0.413
* S13	4.000	4.375	0.375	0.413
* S13	4.125	4.500	0.375	0.413
* S13	4.250	4.625	0.375	0.413
* S13	4.375	4.750	0.375	0.413
* S13	4.500	4.875	0.375	0.413

S13 PISTON & ROD SEAL



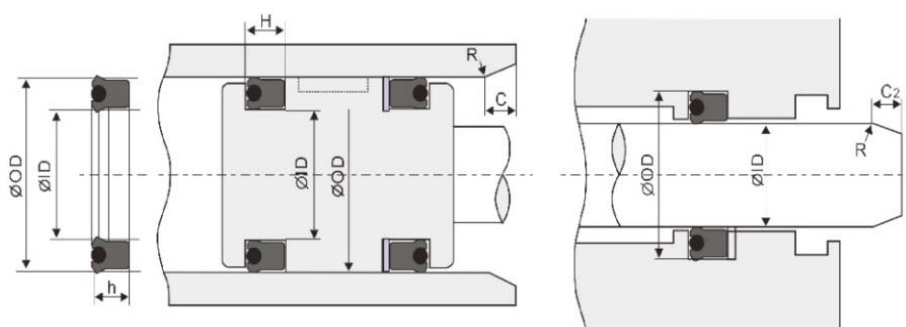
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	4.625	5.000	0.375	0.413
* S13	4.750	5.125	0.750	0.413
* S13	4.875	5.250	0.375	0.413
* S13	5.000	5.375	0.375	0.413
* S13	5.500	5.875	0.375	0.413

1/4 CROSS SECTION

* S13	0.625	1.125	0.313	0.344
* S13	0.875	1.375	0.313	0.344
* S13	1.500	2.000	0.313	0.344
* S13	2.500	3.000	0.313	0.344
* S13	3.500	4.000	0.313	0.344
* S13	4.500	5.000	0.313	0.344
* S13	1.125	1.625	0.250	0.275
* S13	1.500	2.000	0.250	0.275
* S13	1.750	2.250	0.250	0.275
* S13	2.000	2.500	0.250	0.275
* S13	2.125	2.625	0.250	0.275
* S13	2.750	3.250	0.250	0.275
* S13	3.125	3.625	0.250	0.275
* S13	3.750	4.250	0.250	0.275
* S13	4.125	4.625	0.250	0.275
* S13	4.375	4.875	0.250	0.275
S13	4.500	5.000	0.250	0.275
* S13	4.625	5.125	0.250	0.275
* S13	8.000	8.500	0.280	0.275
* S13	1.125	1.625	0.375	0.413
* S13	1.250	1.750	0.375	0.413
* S13	1.313	1.813	0.375	0.413
* S13	1.375	1.875	0.375	0.413
* S13	1.500	2.000	0.375	0.413
* S13	1.625	2.125	0.375	0.413
* S13	1.750	2.250	0.375	0.413

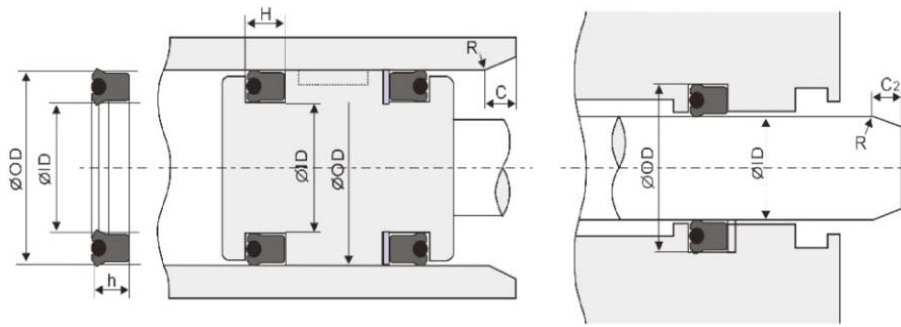
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	1.875	2.375	0.375	0.413
S13	2.000	2.500	0.375	0.413
* S13	2.125	2.625	0.375	0.413
* S13	2.250	2.750	0.375	0.413
* S13	2.375	2.875	0.375	0.413
S13	2.500	3.000	0.375	0.413
* S13	2.625	3.125	0.375	0.413
* S13	2.750	3.250	0.375	0.413
* S13	2.875	3.375	0.375	0.413
S13	3.000	3.500	0.375	0.413
* S13	3.125	3.625	0.375	0.413
* S13	3.250	3.750	0.375	0.413
* S13	3.375	3.875	0.375	0.413
* S13	3.500	4.000	0.375	0.413
* S13	3.625	4.125	0.375	0.413
* S13	3.750	4.250	0.375	0.413
* S13	3.875	4.375	0.375	0.413
* S13	4.000	4.500	0.375	0.413
* S13	4.125	4.625	0.375	0.413
* S13	4.250	4.750	0.375	0.413
* S13	4.500	5.000	0.375	0.413
* S13	4.750	5.250	0.375	0.413
* S13	4.875	5.375	0.375	0.413
* S13	5.000	5.500	0.375	0.413
* S13	5.500	6.000	0.375	0.413
* S13	5.750	6.250	0.375	0.413
* S13	6.000	6.500	0.375	0.413
* S13	6.500	7.000	0.375	0.413
* S13	6.750	7.250	0.375	0.413
* S13	7.000	7.500	0.375	0.413
* S13	7.500	8.000	0.375	0.413
* S13	8.000	8.500	0.375	0.413
* S13	8.500	9.000	0.375	0.413
* S13	3.000	3.500	0.500	0.550

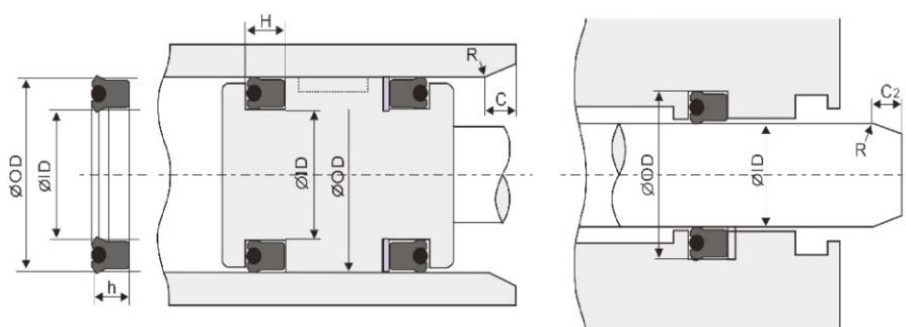
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	4.000	4.500	0.500	0.550
* S13	4.500	5.000	0.500	0.550
* S13	4.750	5.250	0.500	0.550
* S13	4.750	5.250	0.500	0.550
* S13	5.000	5.500	0.500	0.550
* S13	5.500	6.000	0.500	0.550
* S13	6.000	6.500	0.500	0.550
* S13	6.500	7.000	0.500	0.550
* S13	6.750	7.250	0.500	0.550
* S13	7.000	7.500	0.500	0.550
* S13	7.500	8.000	0.500	0.550
* S13	8.500	9.000	0.500	0.550
* S13	4.000	4.500	0.562	0.619
* S13	4.000	4.625	0.562	0.619
* S13	4.750	5.250	0.562	0.619
* S13	5.000	5.500	0.562	0.619
* S13	5.250	5.750	0.562	0.619
* S13	5.500	6.000	0.562	0.619
* S13	6.000	6.500	0.562	0.619
* S13	6.500	7.000	0.562	0.619
* S13	2.000	2.625	0.563	0.619
* S13	2.375	2.875	0.563	0.619
* S13	3.000	3.500	0.563	0.619
* S13	3.375	3.875	0.563	0.619
* S13	3.750	4.250	0.563	0.619
* S13	4.250	4.750	0.563	0.619
* S13	4.375	4.875	0.563	0.619
* S13	4.500	5.000	0.563	0.619
* S13	5.625	6.125	0.563	0.619
* S13	5.750	6.250	0.563	0.619
* S13	6.250	6.750	0.563	0.619
* S13	6.750	7.250	0.563	0.619
* S13	7.000	7.500	0.563	0.619
* S13	7.250	7.750	0.563	0.619

S13 PISTON & ROD SEAL



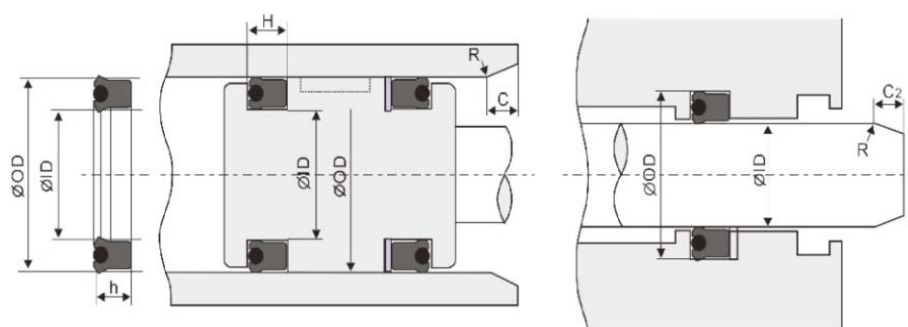
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	7.500	8.000	0.563	0.619
* S13	8.000	8.500	0.563	0.619
* S13	8.500	9.000	0.563	0.619

5/16 CROSS SECTION

* S13	1.250	1.875	0.313	0.344
* S13	1.375	2.000	0.313	0.344
* S13	2.250	2.875	0.313	0.344
* S13	2.375	3.000	0.313	0.344
* S13	3.250	3.875	0.313	0.344
* S13	3.375	4.000	0.313	0.344
* S13	4.250	4.875	0.313	0.344
* S13	4.375	5.000	0.313	0.344
* S13	1.000	1.625	0.375	0.413
* S13	1.500	2.125	0.375	0.413
* S13	1.625	2.375	0.375	0.413
* S13	1.750	2.375	0.375	0.413
* S13	2.500	3.125	0.375	0.413
* S13	2.750	3.375	0.375	0.413
S13	3.000	3.625	0.375	0.413
* S13	3.500	4.125	0.375	0.413
S13	3.625	4.250	0.375	0.413
* S13	3.750	4.375	0.375	0.413
* S13	4.250	5.000	0.375	0.413
* S13	4.500	5.125	0.375	0.413
* S13	1.000	1.625	0.500	0.550
* S13	1.125	1.750	0.500	0.550
* S13	1.250	1.875	0.500	0.550
* S13	1.375	2.000	0.500	0.550
* S13	1.500	2.125	0.500	0.550
* S13	1.750	2.375	0.500	0.550
* S13	1.875	2.500	0.550	0.500
* S13	2.000	2.625	0.500	0.550
* S13	2.125	2.750	0.500	0.550

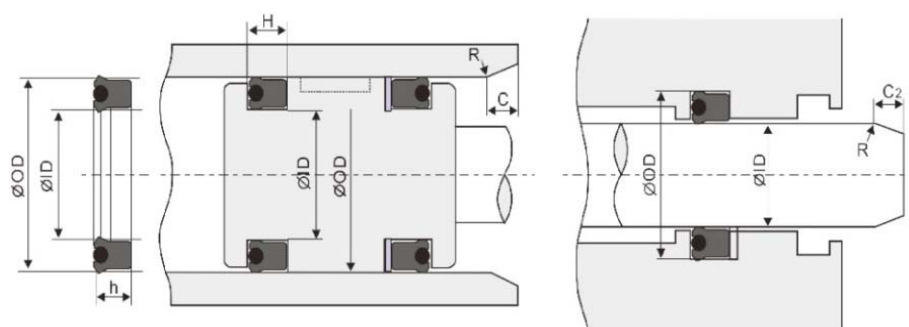
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
S13	2.250	2.875	0.500	0.550
* S13	2.375	3.000	0.500	0.550
* S13	2.500	3.125	0.500	0.550
* S13	2.750	3.375	0.500	0.550
* S13	2.875	3.500	0.500	0.550
* S13	3.000	3.625	0.500	0.550
* S13	3.125	3.750	0.500	0.550
* S13	3.250	3.875	0.500	0.550
* S13	3.375	4.000	0.500	0.550
* S13	3.500	4.125	0.500	0.550
* S13	3.750	4.375	0.500	0.550
* S13	3.875	4.500	0.500	0.550
* S13	4.000	4.625	0.500	0.550
* S13	4.125	4.750	0.500	0.550
* S13	4.250	4.875	0.500	0.550
* S13	4.375	5.000	0.500	0.550
* S13	4.750	5.375	0.500	0.550
* S13	7.375	8.000	0.500	0.550
* S13	8.000	8.625	0.500	0.550
* S13	2.125	2.750	0.625	0.688
* S13	4.125	4.750	0.625	0.688
* S13	4.375	5.000	0.625	0.688
* S13	4.500	5.125	0.625	0.688
* S13	4.750	5.375	0.625	0.688
* S13	5.000	5.625	0.625	0.688
* S13	5.250	5.875	0.625	0.688
* S13	5.375	6.000	0.625	0.688
* S13	6.000	6.625	0.625	0.688
* S13	6.375	7.000	0.625	0.688
* S13	6.500	7.125	0.625	0.688
* S13	6.750	7.375	0.625	0.688
* S13	7.000	7.625	0.625	0.688
* S13	7.250	7.875	0.625	0.688
* S13	7.375	8.000	0.625	0.688

S13 PISTON & ROD SEAL



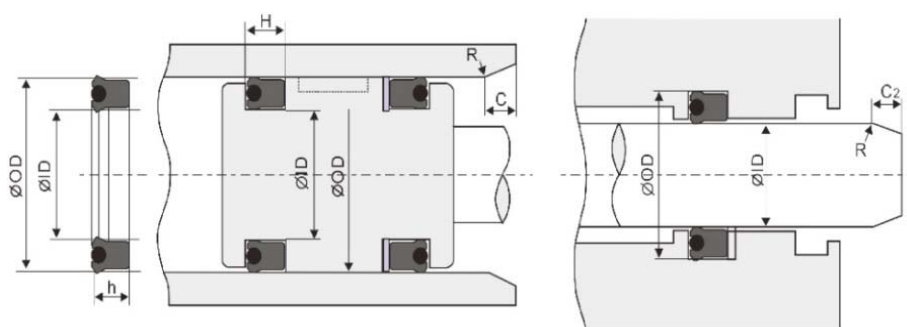
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	8.000	8.625	0.625	0.668
* S13	8.500	9.125	0.625	0.688

3/8 CROSS SECTION

* S13	1.250	2.000	0.500	0.550
* S13	1.500	2.250	0.500	0.550
* S13	1.750	2.500	0.500	0.550
* S13	2.000	2.750	0.500	0.550
* S13	2.250	3.000	0.500	0.550
* S13	2.500	3.250	0.500	0.550
* S13	2.750	3.500	0.500	0.550
* S13	3.000	3.750	0.500	0.550
* S13	3.250	4.000	0.500	0.550
* S13	3.500	4.250	0.500	0.550
* S13	3.750	4.500	0.500	0.550
* S13	4.000	4.750	0.500	0.550
* S13	4.250	5.000	0.500	0.550
* S13	4.500	5.250	0.500	0.550
* S13	4.750	5.500	0.500	0.550
* S13	5.000	5.750	0.500	0.550
* S13	5.250	6.000	0.500	0.550
* S13	5.500	6.250	0.500	0.550
* S13	5.750	6.500	0.500	0.550
* S13	6.000	6.750	0.500	0.550
* S13	6.250	7.000	0.500	0.550
* S13	6.500	7.250	0.500	0.550
* S13	6.750	7.500	0.500	0.550
* S13	7.000	7.750	0.500	0.550
* S13	7.250	8.000	0.500	0.550
* S13	7.500	8.250	0.500	0.550
* S13	7.750	8.500	0.500	0.550
* S13	1.500	2.250	0.625	0.688
* S13	1.750	2.500	0.625	0.688
* S13	2.000	2.750	0.625	0.688
* S13	2.250	3.000	0.625	0.688
* S13	2.375	3.125	0.625	0.688

S13 PISTON & ROD SEAL



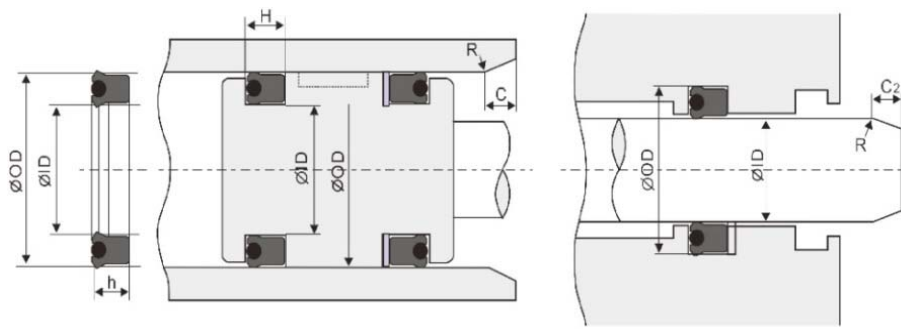
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	2.500	3.250	0.625	0.688
* S13	2.625	3.375	0.625	0.688
* S13	2.750	3.500	0.625	0.688
* S13	3.000	3.750	0.625	0.688
* S13	3.125	3.875	0.625	0.688
* S13	3.250	4.000	0.625	0.688
* S13	3.375	4.125	0.625	0.688
* S13	3.500	4.250	0.625	0.688
* S13	3.625	4.375	0.625	0.688
* S13	3.750	4.500	0.625	0.688
* S13	4.000	4.750	0.625	0.688
* S13	4.250	5.000	0.625	0.688
* S13	4.500	5.250	0.625	0.688
* S13	4.750	5.500	0.625	0.688
* S13	5.000	5.750	0.625	0.688
* S13	5.250	6.000	0.625	0.688
* S13	5.500	6.250	0.625	0.688
* S13	5.750	6.500	0.625	0.688
* S13	5.875	6.625	0.625	0.688
* S13	6.000	6.750	0.625	0.688
* S13	6.250	7.000	0.625	0.688
* S13	6.500	7.250	0.625	0.688
* S13	6.750	7.500	0.625	0.688
* S13	7.000	7.750	0.625	0.688
* S13	7.250	8.000	0.625	0.688
* S13	7.500	8.250	0.625	0.688
* S13	7.750	8.500	0.625	0.688
* S13	8.000	8.750	0.625	0.688
* S13	8.250	9.000	0.625	0.688

1/2 CROSS SECTION

* S13	1.750	2.750	0.750	0.825
* S13	2.000	3.000	0.750	0.825
* S13	2.500	3.500	0.750	0.825
* S13	3.000	4.000	0.750	0.825
* S13	4.000	5.000	0.750	0.825

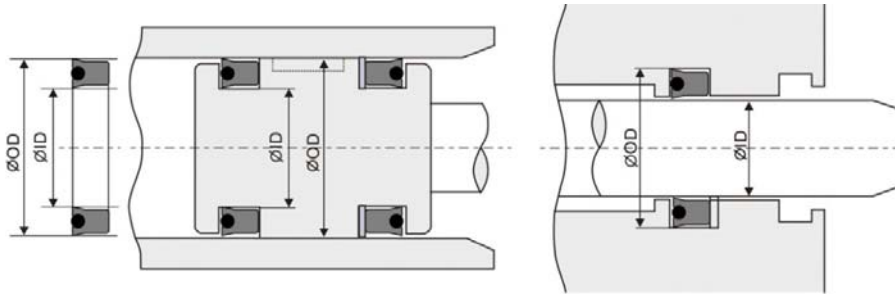
S13 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	h	H
* S13	4.250	5.250	0.750	0.825
* S13	4.500	5.500	0.750	0.825
* S13	5.000	6.000	0.750	0.825
* S13	5.250	6.000	0.750	0.825
* S13	5.250	6.250	0.750	0.825
* S13	6.000	7.000	0.750	0.825
* S13	6.250	7.250	0.750	0.825
* S13	7.000	8.000	0.750	0.825
* S13	7.250	8.000	0.750	0.825
* S13	7.250	8.250	0.750	0.825
* S13	7.750	8.750	0.750	0.825
* S13	8.000	9.000	0.750	0.825

DP1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
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1/8 CROSS SECTION

* DP1-0.500	0.500	0.750	0.275
* DP1-0.625	0.625	0.875	0.275
* DP1-0.750	0.750	1.000	0.275
* DP1-0.875	0.875	1.125	0.275
* DP1-1.000	1.000	1.250	0.275
* DP1-1.375	1.375	1.625	0.275

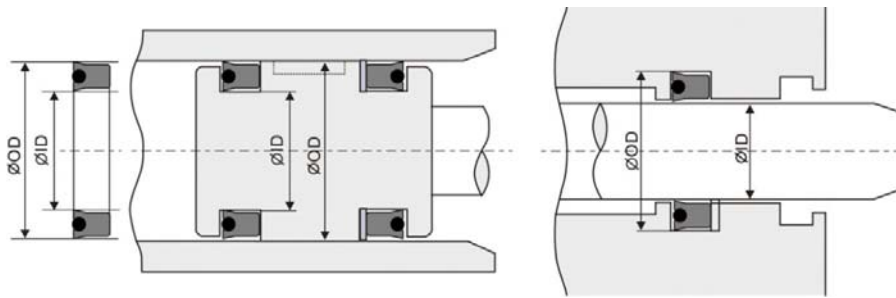
3/16 CROSS SECTION

* DP1-0.625	0.625	1.000	0.343
* DP1-1.000	1.000	1.375	0.343
* DP1-1.125	1.125	1.500	0.343
* DP1-1.250	1.250	1.625	0.343
* DP1-1.375	1.375	1.750	0.343
* DP1-1.500	1.500	1.875	0.413
* DP1-1.625	1.625	2.000	0.413
* DP1-1.750	1.750	2.125	0.413
* DP1-1.875	1.875	2.250	0.413
* DP1-2.000	2.000	2.375	0.413
* DP1-2.250	2.250	2.625	0.413
* DP1-2.500	2.500	2.875	0.413
* DP1-2.750	2.750	3.125	0.413
* DP1-3.000	3.000	3.375	0.413
* DP1-3.125	3.125	3.500	0.413
* DP1-3.500	3.500	3.875	0.413
* DP1-4.125	4.125	4.500	0.413

1/4 CROSS SECTION

* DP1-0.625	0.625	1.125	0.413
* DP1-0.750	0.750	1.250	0.413
* DP1-1.000	1.000	1.500	0.413
* DP1-1.125	1.125	1.625	0.413
* DP1-1.250	1.250	1.750	0.413

DP1 PISTON & ROD SEAL



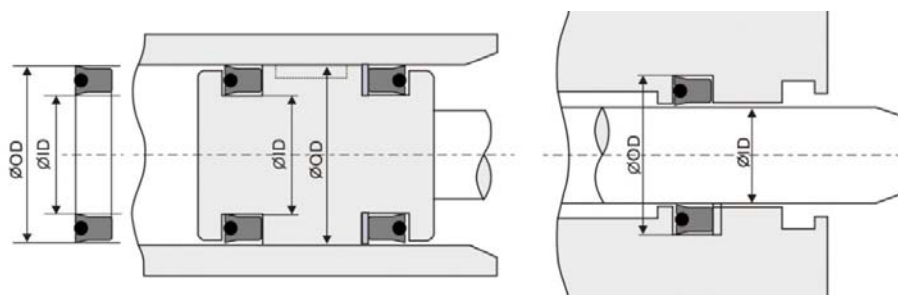
APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* DP1-1.375	1.375	1.875	0.413
* DP1-1.500	1.500	2.000	0.413
* DP1-1.750	1.750	2.250	0.413
* DP1-2.000	2.000	2.500	0.413
* DP1-2.125	2.125	2.625	0.413
* DP1-2.250	2.250	2.750	0.413
* DP1-2.500	2.500	3.000	0.413
* DP1-2.625	2.625	3.125	0.413
* DP1-2.750	2.750	3.250	0.413
* DP1-3.000	3.000	3.500	0.413
* DP1-3.250	3.250	3.750	0.413
* DP1-3.375	3.375	3.875	0.413
* DP1-3.500	3.500	4.000	0.413
* DP1-3.750	3.750	4.250	0.413
* DP1-4.000	4.000	4.500	0.413
* DP1-4.250	4.250	4.750	0.618
* DP1-4.500	4.500	5.000	0.618
* DP1-4.750	4.750	5.250	0.618
* DP1-4.875	4.875	5.375	0.618
* DP1-5.000	5.000	5.500	0.413
* DP1-5.000	5.000	5.500	0.618
* DP1-5.500	5.500	6.000	0.413
* DP1-5.750	5.750	6.250	0.618
* DP1-6.000	6.000	6.500	0.618
* DP1-6.500	6.500	7.000	0.618
* DP1-7.000	7.000	7.500	0.618
* DP1-7.500	7.500	8.000	0.618

5/16 CROSS SECTION

* DP1-1.375	1.375	2.000	0.550
* DP1-1.750	1.750	2.375	0.550
* DP1-2.125	2.125	2.750	0.550
* DP1-2.625	2.625	3.250	0.550
* DP1-3.000	3.000	3.625	0.550

DP1 PISTON & ROD SEAL



APPLICATION	
MATERIAL	PU+NBR
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H
* DP1-3.250	3.250	3.875	0.550
* DP1-3.375	3.375	4.000	0.550

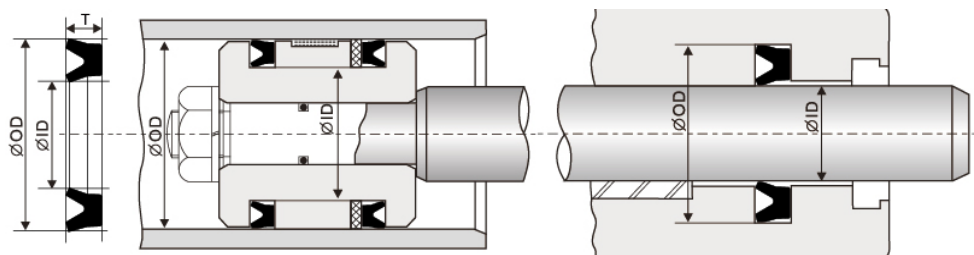
3/8 CROSS SECTION

* DP1-2.500	2.500	3.250	0.688
* DP1-2.750	2.750	3.500	0.688
* DP1-3.000	3.000	3.750	0.688
* DP1-3.250	3.250	4.000	0.688
* DP1-3.500	3.500	4.250	0.688
* DP1-3.750	3.750	4.500	0.688
* DP1-4.000	4.000	4.750	0.688
* DP1-4.250	4.250	5.000	0.688
* DP1-4.500	4.500	5.250	0.688
* DP1-4.750	4.750	5.500	0.688
* DP1-5.000	5.000	5.750	0.688
* DP1-5.250	5.250	6.000	0.688
* DP1-5.500	5.500	6.250	0.688
* DP1-6.000	6.000	6.750	0.688
* DP1-6.250	6.250	7.000	0.688
* DP1-7.250	7.250	8.000	0.688
* DP1-7.500	7.500	8.250	0.688
* DP1-7.750	7.750	8.500	0.688
* DP1-8.250	8.250	9.000	0.688

1/2 CROSS SECTION

* DP1-5.500	5.500	6.500	0.825
* DP1-6.000	6.000	7.000	0.825
* DP1-7.000	7.000	8.000	0.825
* DP1-8.000	8.000	9.000	0.825
* DP1-9.000	9.000	10.000	0.825
* DP1-10.000	10.000	11.000	0.825

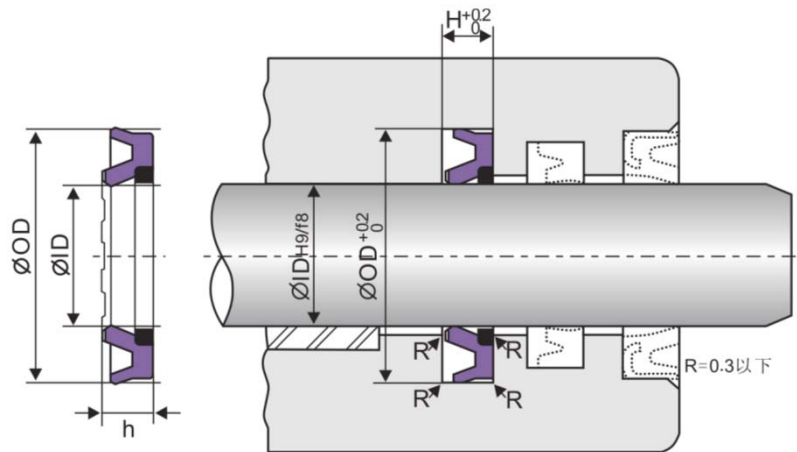
U8400 PISTON & ROD SEAL



APPLICATION	
MATERIAL	NBR
TEMP.	-13°F~230 °F
PRESSURE	1700 psi
SPEED	1.6 ft/s

ITEM	ID	OD	T
* U8400-0.750	0.750	1.000	0.156
* U8400-0.875	0.875	1.250	0.218
U8400-1.000	1.000	1.500	0.281
* U8400-1.250	1.250	1.500	0.156
* U8400-1.500	1.500	1.875	0.218
* U8400-1.750	1.750	2.000	0.156
* U8400-3.500	3.500	4.000	0.281

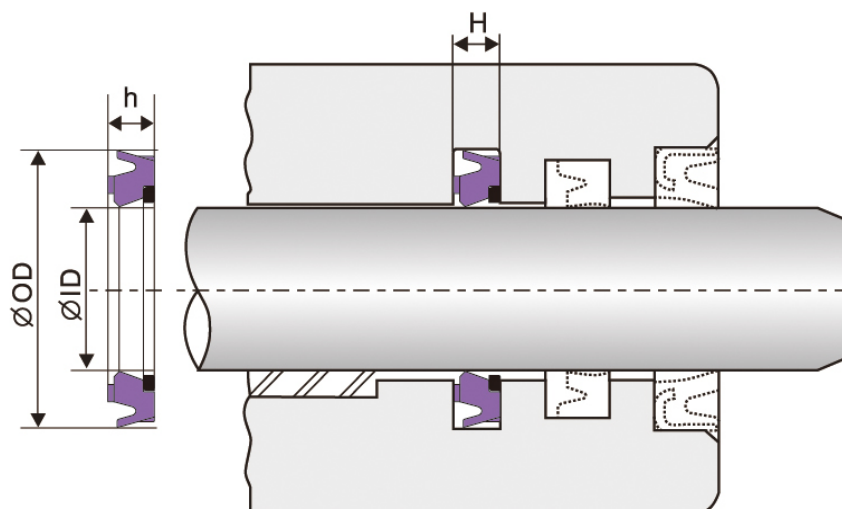
FB1 BUFFER SEAL



APPLICATION	
MATERIAL	PU+NY
TEMP.	-40°F~248°F
PRESSURE	5600 psi
SPEED	3.2 ft/s

ITEM	ID	OD	h	H
* FB1-1.250	1.250	1.819	0.125	0.140
* FB1-1.375	1.375	1.937	0.125	0.140
* FB1-1.500	1.500	2.067	0.125	0.140
* FB1-1.625	1.625	2.187	0.125	0.140
* FB1-1.750	1.750	2.319	0.125	0.140
* FB1-2.000	2.000	2.567	0.125	0.140
* FB1-2.750	2.750	3.402	0.1875	0.234
* FB1-3.000	3.000	3.649	0.1875	0.234
* FB1-4.000	4.000	4.669	0.1875	0.234
* FB1-1.750	1.750	2.395	0.22	0.220
* FB1-2.125	2.125	2.765	0.22	0.220
* FB1-2.250	2.250	2.929	0.1875	0.234
* FB1-2.500	2.500	3.177	0.1875	0.234
* FB1-3.500	3.500	4.169	0.1875	0.234
* FB1-2.500	2.500	3.116	0.235	0.247
* FB1-2.750	2.750	3.366	0.235	0.247
* FB1-3.000	3.000	3.616	0.235	0.247
* FB1-3.500	3.500	4.116	0.235	0.247
* FB1-4.000	4.000	4.616	0.235	0.247
* FB1-4.500	4.500	5.116	0.235	0.247
* FB1-4.750	4.750	5.366	0.235	0.247
* FB1-5.000	5.000	5.616	0.235	0.247
* FB1-5.500	5.500	6.116	0.235	0.247
* FB1-6.000	6.000	6.616	0.235	0.247
* FB1-6.500	6.500	7.116	0.235	0.247
* FB1-7.000	7.000	7.616	0.235	0.247
* FB1-7.500	7.500	8.116	0.235	0.247
* FB1-8.000	8.000	8.616	0.235	0.247

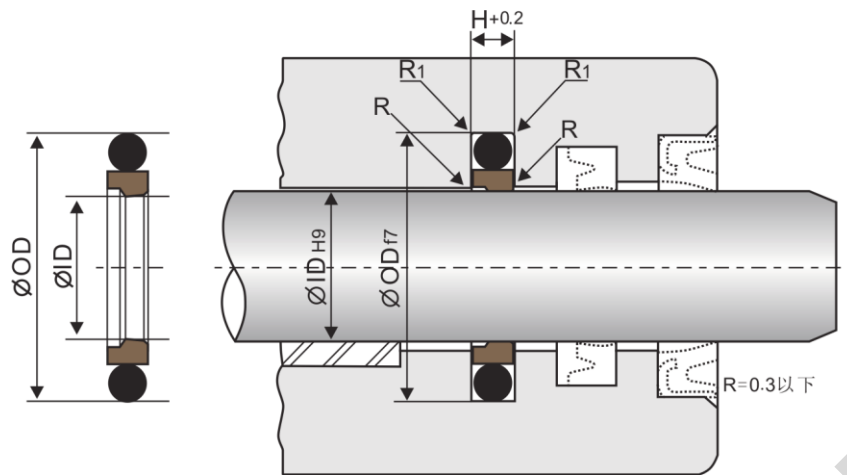
BR1 BUFFER SEAL



APPLICATION	
MATERIAL	PU+NY
TEMP.	-40°F~248°F
PRESSURE	5000 psi
SPEED	1.6 ft/s

ITEM	ID	OD	H	h
BR1-1.000	1.000	1.375	0.205	0.187
BR1-1.125	1.125	1.500	0.205	0.187
BR1-1.250	1.250	1.625	0.205	0.187
BR1-1.375	1.375	1.750	0.205	0.187
BR1-1.500	1.500	2.000	0.275	0.250
BR1-1.750	1.750	2.250	0.275	0.250
BR1-2.000	2.000	2.500	0.275	0.250
BR1-2.250	2.250	2.750	0.275	0.250
BR1-2.500	2.500	3.000	0.275	0.250
BR1-2.750	2.750	3.250	0.275	0.250
BR1-3.000	3.000	3.500	0.275	0.250
BR1-3.500	3.500	4.000	0.275	0.250
BR1-3.750	3.750	4.250	0.275	0.250
BR1-4.000	4.000	4.625	0.343	0.312
BR1-4.250	4.250	4.875	0.343	0.312
BR1-4.500	4.500	5.125	0.343	0.312
BR1-4.750	4.750	5.375	0.343	0.312
BR1-5.000	5.000	5.750	0.413	0.375
BR1-5.500	5.500	6.250	0.413	0.375
* BR1-5.750	5.750	6.250	0.413	
* BR1-6.000	6.000	6.750	0.413	
* BR1-8.000	8.000	9.000	0.550	
* BR1-9.000	9.000	10.000	0.550	
* BR1-10.000	10.000	11.000	0.550	

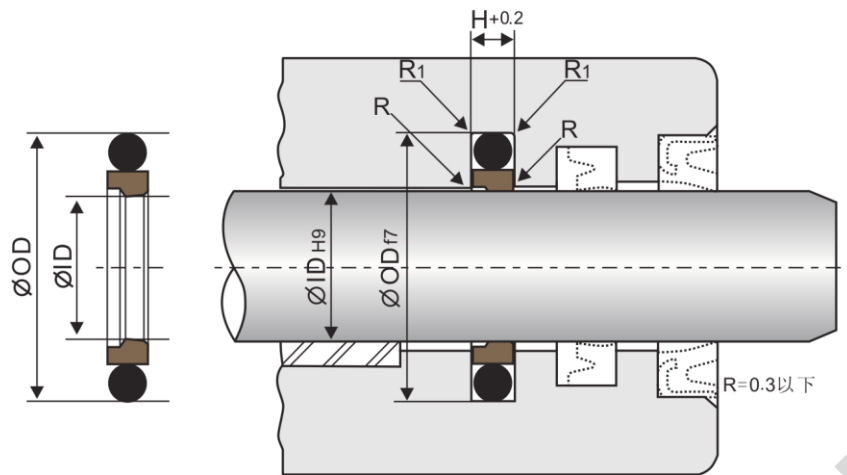
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	NBR+PTFE
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	ID	OD	H
* L-TYPE 0.313	0.313	0.599	0.126
* L-TYPE 0.375	0.375	0.661	0.126
* L-TYPE 0.438	0.438	0.724	0.126
* L-TYPE 0.500	0.500	0.786	0.126
* L-TYPE 0.563	0.563	0.849	0.126
* L-TYPE 0.625	0.625	0.911	0.126
* L-TYPE 0.688	0.688	0.974	0.126
* L-TYPE 0.750	0.750	1.170	0.165
* L-TYPE 0.813	0.813	1.233	0.165
* L-TYPE 0.875	0.875	1.295	0.165
* L-TYPE 0.938	0.938	1.358	0.165
* L-TYPE 1.000	1.000	1.420	0.165
* L-TYPE 1.063	1.063	1.483	0.165
* L-TYPE 1.125	1.125	1.545	0.165
* L-TYPE 1.188	1.188	1.608	0.165
* L-TYPE 1.250	1.250	1.670	0.165
* L-TYPE 1.313	1.313	1.733	0.165
* L-TYPE 1.375	1.375	1.795	0.165
* L-TYPE 1.438	1.438	1.858	0.165
* L-TYPE 1.500	1.500	2.094	0.248
* L-TYPE 1.563	1.563	2.157	0.248
* L-TYPE 1.625	1.625	2.219	0.248
* L-TYPE 1.688	1.688	2.282	0.248
* L-TYPE 1.750	1.750	2.344	0.248
* L-TYPE 1.813	1.813	2.407	0.248
* L-TYPE 1.875	1.875	2.469	0.248
* L-TYPE 1.938	1.938	2.532	0.248
* L-TYPE 2.000	2.000	2.594	0.248
* L-TYPE 2.125	2.125	2.719	0.248

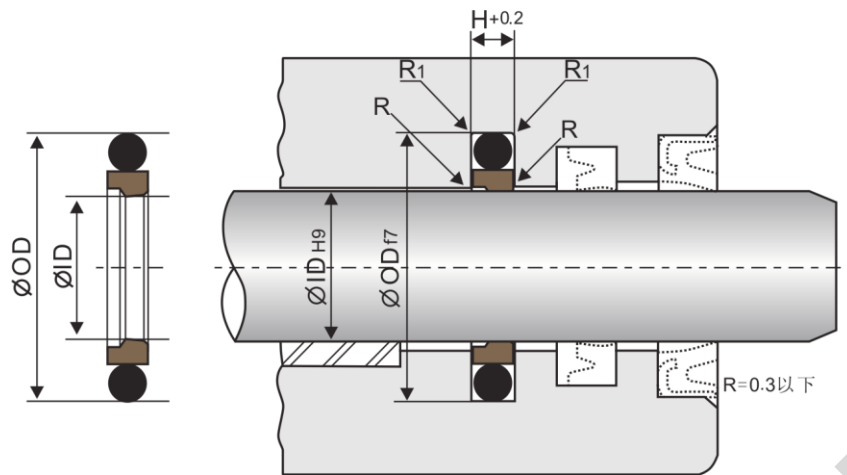
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	NBR+PTFE
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	ID	OD	H
* L-TYPE 2.250	2.250	2.844	0.248
* L-TYPE 2.375	2.375	2.969	0.248
L-TYPE 2.500	2.500	3.094	0.248
* L-TYPE 2.625	2.625	3.219	0.248
* L-TYPE 2.750	2.750	3.344	0.248
* L-TYPE 2.875	2.875	3.469	0.248
L-TYPE 3.000	3.000	3.594	0.248
* L-TYPE 3.125	3.125	3.719	0.248
* L-TYPE 3.250	3.250	3.844	0.248
* L-TYPE 3.375	3.375	3.969	0.248
* L-TYPE 3.500	3.500	4.094	0.248
* L-TYPE 3.625	3.625	4.219	0.248
* L-TYPE 3.750	3.750	4.344	0.248
* L-TYPE 3.875	3.875	4.469	0.248
* L-TYPE 4.000	4.000	4.594	0.248
* L-TYPE 4.125	4.125	4.719	0.248
* L-TYPE 4.250	4.250	4.844	0.248
* L-TYPE 4.375	4.375	4.969	0.248
* L-TYPE 4.500	4.500	5.094	0.248
* L-TYPE 4.625	4.625	5.219	0.248
* L-TYPE 4.750	4.750	5.344	0.248
* L-TYPE 4.875	4.875	5.469	0.248
L-TYPE 5.000	5.000	5.594	0.248
* L-TYPE 5.125	5.125	5.719	0.248
* L-TYPE 5.000	5.000	5.594	0.248
* L-TYPE 5.250	5.250	5.844	0.248
* L-TYPE 5.375	5.375	5.969	0.248
* L-TYPE 5.500	5.500	6.094	0.248
* L-TYPE 5.625	5.625	6.219	0.248

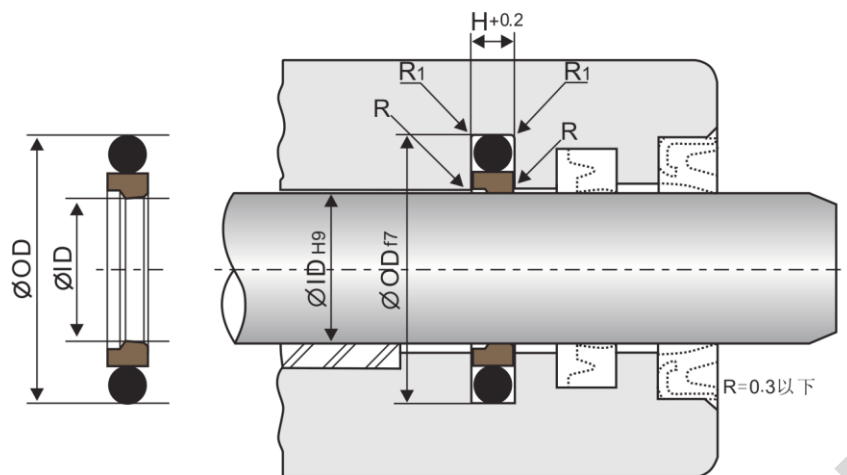
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	NBR+PTFE
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	ID	OD	H
* L-TYPE 5.750	5.750	6.344	0.248
* L-TYPE 6.000	6.000	6.594	0.248
* L-TYPE 6.250	6.250	6.844	0.248
* L-TYPE 6.500	6.500	7.094	0.248
* L-TYPE 6.750	6.750	7.344	0.248
* L-TYPE 7.000	7.000	7.594	0.248
* L-TYPE 7.250	7.250	7.844	0.248
* L-TYPE 7.500	7.500	8.094	0.248
* L-TYPE 7.750	7.750	8.344	0.248
* L-TYPE 8.000	8.000	8.806	0.319
* L-TYPE 8.250	8.250	9.056	0.319
* L-TYPE 8.500	8.500	9.306	0.319
* L-TYPE 8.750	8.750	9.556	0.319
* L-TYPE 9.000	9.000	9.806	0.319
* L-TYPE 9.250	9.250	10.056	0.319
* L-TYPE 9.500	9.500	10.306	0.319
* L-TYPE 9.750	9.750	10.556	0.319
* L-TYPE 10.000	10.000	10.944	0.319
* L-TYPE 10.500	10.500	11.444	0.319
* L-TYPE 11.000	11.000	11.944	0.319
* L-TYPE 11.500	11.500	12.444	0.319
* L-TYPE 12.000	12.000	12.944	0.319
* L-TYPE 12.500	12.500	13.444	0.319
* L-TYPE 13.000	13.000	13.944	0.319
* L-TYPE 13.500	13.500	14.444	0.319
* L-TYPE 14.000	14.000	14.944	0.319
* L-TYPE 14.500	14.500	15.444	0.319
* L-TYPE 15.000	15.000	15.944	0.319
* L-TYPE 15.500	15.500	16.444	0.319

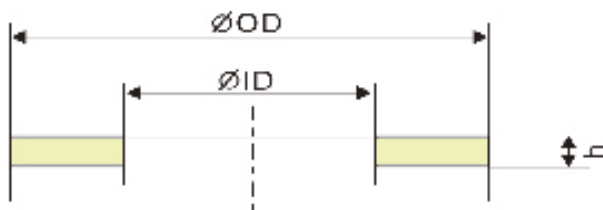
L-TYPE BUFFER SEAL



APPLICATION	
MATERIAL	NBR+PTFE
TEMP.	-40°F~230°F
PRESSURE	5000 psi
SPEED	4.9 ft/s

ITEM	ID	OD	H
* L-TYPE 16.000	16.000	16.944	0.319
* L-TYPE 16.500	16.500	17.444	0.319
* L-TYPE 17.000	17.000	17.944	0.319
* L-TYPE 17.500	17.500	18.444	0.319
* L-TYPE 18.000	18.000	18.944	0.319
* L-TYPE 18.500	18.500	19.444	0.319
* L-TYPE 19.000	19.000	19.944	0.319
* L-TYPE 19.500	19.500	20.444	0.319
* L-TYPE 20.000	20.000	20.944	0.319

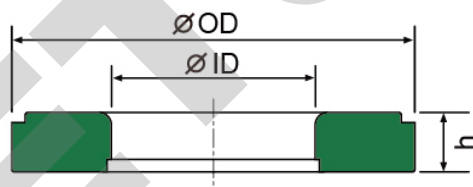
FI1 BUFFER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~212°F
PRESSURE	5000 psi
SPEED	3.2 ft/s

ITEM	ID	OD	h
* FI1-1.250	1.250	1.620	0.118
* FI1-1.250	1.250	1.770	0.114
* FI1-1.500	1.500	2.000	0.118
* FI1-1.750	1.750	2.250	0.118
* FI1-2.000	2.000	2.500	0.118
FI1-2.000	2.000	2.500	0.140
* FI1-2.250	2.250	2.870	0.190
* FI1-2.500	2.500	3.120	0.190
* FI1-3.000	3.000	3.620	0.190
* FI1-4.000	4.000	4.380	0.190
* FI1-4.500	4.500	5.220	0.170
* FI1-6.000	6.000	6.720	0.170
* FI1-7.500	7.500	8.220	0.170

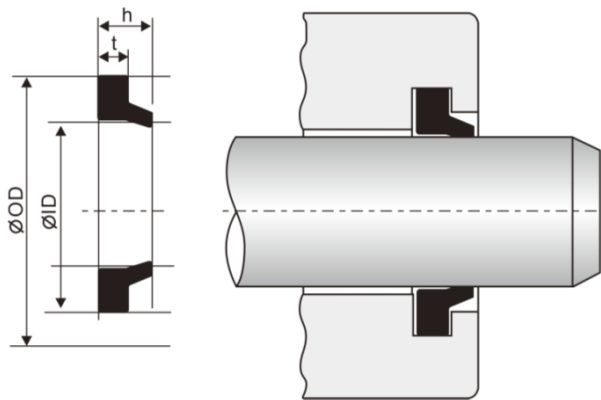
FI1-2 BUFFER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~212°F
PRESSURE	5000 psi
SPEED	3.2 ft/s

ITEM	ID	OD	h
FI1-2-1.500	1.500	2.030	0.140
FI1-2-1.750	1.750	2.280	0.140
FI1-2-2.000	2.000	2.530	0.140
FI1-2-2.250	2.250	2.890	0.220
FI1-2-2.500	2.500	3.140	0.220

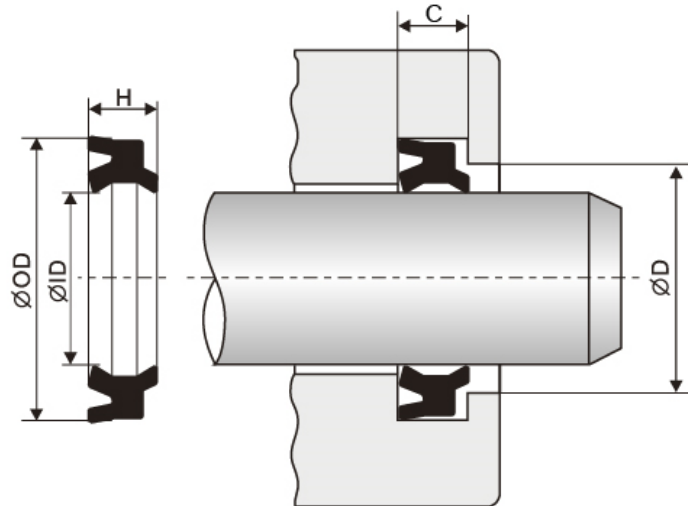
AN1 WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-31°F ~ 212°F
SPEED	3.2 ft/s

ITEM	ID	OD	t/h
AN1-019	0.750	1.010	0.107/0.187
AN1-025	1.000	1.272	0.107/0.187
AN1-028	1.125	1.397	0.107/0.187
AN1-031	1.250	1.522	0.107/0.187
AN1-038	1.500	1.802	0.107/0.187
AN1-044	1.750	2.052	0.107/0.187
AN1-047	1.875	2.177	0.107/0.187
* AN1-050	2.000	2.302	0.107/0.187
* AN1-056	2.177	2.391	0.107/0.187
AN1-057	2.250	2.552	0.107/0.187
* AN1-060	2.375	2.677	0.107/0.187
AN1-063	2.500	2.802	0.107/0.187
* AN1-069	2.750	3.114	0.122/0.211
AN1-076	3.000	3.364	0.122/0.211
* AN1-082	3.250	3.614	0.122/0.211
* AN1-088	3.500	3.864	0.122/0.211
* AN1-101	4.000	4.427	0.138/0.238
* AN1-107	4.250	4.677	0.138/0.238
* AN1-114	4.500	4.927	0.138/0.238
* AN1-117	4.625	5.052	0.138/0.238
* AN1-127	5.000	5.427	0.138/0.238
* AN1-133	5.250	5.677	0.138/0.238
* AN1-139	5.500	5.927	0.138/0.238
* AN1-152	6.000	6.489	0.154/0.264
* AN1-165	6.500	6.989	0.154/0.264
* AN1-171	6.750	7.239	0.154/0.264

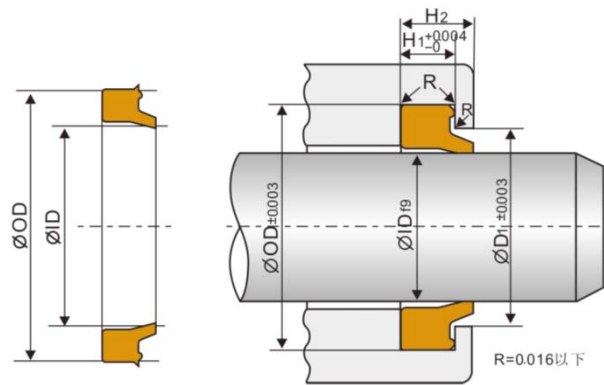
WH WIPER SEAL



APPLICATION			
MATERIAL	PU	NBR	FKM
TEMP.	-40 °F~230°F	-31°F~212°F	-4°F~356°F
SPEED	1.6 ft/s	3.2 ft/s	3.2 ft/s

ITEM	ID	OD	C	D	H
* WH-0.500	0.500	0.802	0.203	0.620	0.245
* WH-0.625	0.625	0.927	0.203	0.745	0.245
WH-0.750	0.750	1.052	0.203	0.870	0.245
* WH-0.875	0.875	1.240	0.218	1.010	0.275
* WH-1.000	1.000	1.365	0.218	1.135	0.275
* WH-1.125	1.125	1.490	0.218	1.260	0.275
* WH-1.250	1.250	1.615	0.218	1.385	0.275
* WH-1.375	1.375	1.740	0.218	1.510	0.275
* WH-1.500	1.500	1.865	0.218	1.635	0.275
* WH-1.625	1.625	1.990	0.218	1.760	0.275
* WH-1.750	1.750	2.115	0.218	1.885	0.275
* WH-1.875	1.875	2.240	0.218	2.010	0.275
* WH-2.000	2.000	2.365	0.218	2.135	0.275
* WH-2.125	2.125	2.490	0.218	2.260	0.275
* WH-2.250	2.250	2.745	0.281	2.385	0.351
* WH-2.500	2.500	2.995	0.281	2.635	0.351
* WH-2.750	2.750	3.245	0.281	2.885	0.351
* WH-3.000	3.000	3.495	0.281	3.135	0.351
* WH-3.500	3.500	3.995	0.281	3.635	0.351
* WH-4.000	4.000	4.495	0.281	4.135	0.351
* WH-4.500	4.500	4.995	0.281	4.635	0.351
* WH-5.000	5.000	5.495	0.281	5.135	0.351
* WH-5.500	5.500	5.995	0.281	5.635	0.351

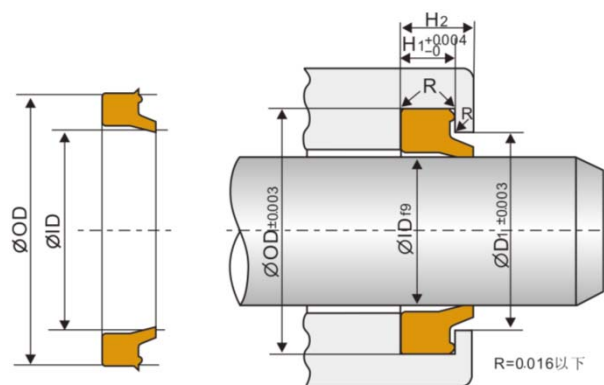
D-WIPER WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
SPEED	13.1 ft/s

ITEM	ID	OD	H1	H2	D1
D-00375	0.375	0.625	0.125	0.187	0.540
D-00500	0.500	0.750	0.125	0.187	0.665
D-00563	0.562	0.810	0.124	0.125	0.725
D-00625	0.625	0.875	0.125	0.187	0.790
D-00750	0.750	1.125	0.187	0.281	1.000
D-00875	0.875	1.250	0.187	0.281	1.125
D-01000	1.000	1.375	0.187	0.281	1.250
D-01125	1.125	1.500	0.187	0.281	1.375
D-01187	1.187	1.562	0.187	0.281	1.437
D-01250	1.250	1.625	0.187	0.281	1.500
D-01375	1.375	1.750	0.187	0.281	1.625
D-01500	1.500	1.875	0.187	0.281	1.750
D-01625	1.625	2.000	0.187	0.281	1.875
D-01750	1.750	2.125	0.187	0.281	2.000
D-01875	1.875	2.250	0.187	0.281	2.125
D-02000	2.000	2.500	0.250	0.375	2.332
D-02250	2.250	2.750	0.250	0.375	2.582
D-02375	2.375	2.875	0.250	0.375	2.707
D-02500	2.500	3.000	0.250	0.375	2.832
D-02750	2.750	3.250	0.250	0.375	3.082
D-03000	3.000	3.500	0.250	0.375	3.332
D-03250	3.250	3.750	0.250	0.375	3.582
D-03500	3.500	4.000	0.250	0.375	3.832
D-03750	3.750	4.250	0.250	0.375	4.082
D-03875	3.875	4.375	0.250	0.375	4.207
D-04000	4.000	4.500	0.250	0.375	4.332
D-04250	4.250	4.750	0.250	0.375	4.582
D-04500	4.500	5.000	0.250	0.375	4.832
D-04500	4.500	5.250	0.375	0.562	4.998
D-04750	4.750	5.500	0.375	0.562	5.248
D-05000	5.000	5.500	0.250	0.375	5.332
D-05000	5.000	5.750	0.375	0.562	5.498
D-05250	5.250	6.000	0.375	0.562	5.748
D-05500	5.500	6.250	0.375	0.562	5.998

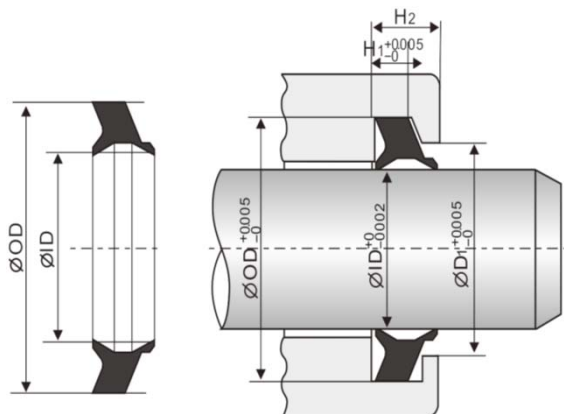
D-WIPER WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~230°F
SPEED	13.1 ft/s

ITEM	ID	OD	H1	H2	D1
D-05750	5.750	6.250	0.250		
D-05750	5.750	6.500	0.375	0.562	6.248
D-06000	6.000	6.500	0.250	0.375	6.332
D-06000	6.000	6.750	0.375	0.562	6.498
D-07000	7.000	7.500	0.250	0.375	7.332
D-07000	7.000	7.750	0.375	0.562	7.498
D-07250	7.250	7.750	0.250		
D-08000	8.000	8.750	0.375	0.562	8.498
D-08125	8.125	8.625	0.250	0.375	8.457
D-08500	8.500	9.250	0.375	0.562	8.998

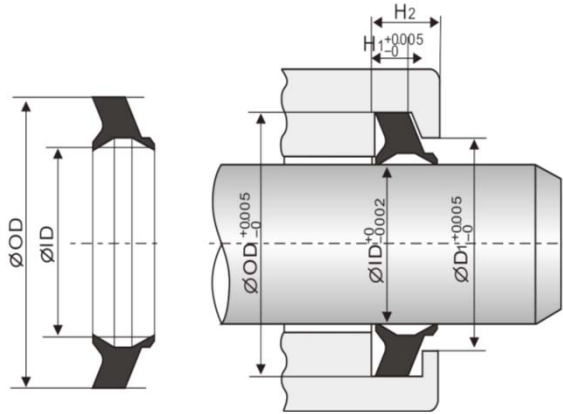
WY WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~212°F
SPEED	3.2 ft/s

ITEM	ID	OD	H1	H2	D1
* WY-0.500	0.500	0.760	0.155	0.315	0.625
* WY-0.562	0.562	0.822	0.155	0.315	0.687
* WY-0.625	0.625	0.885	0.155	0.315	0.750
* WY-0.687	0.687	0.947	0.155	0.315	0.812
* WY-0.750	0.750	1.135	0.195	0.366	0.832
* WY-0.812	0.812	1.197	0.195	0.366	0.894
* WY-0.875	0.875	1.260	0.195	0.366	0.957
* WY-0.937	0.937	1.322	0.195	0.366	1.019
WY-1.000	1.000	1.385	0.195	0.366	1.082
* WY-1.062	1.062	1.447	0.195	0.366	1.144
WY-1.125	1.125	1.510	0.195	0.366	1.207
* WY-1.187	1.187	1.572	0.195	0.366	1.269
WY-1.250	1.250	1.635	0.195	0.366	1.332
* WY-1.312	1.312	1.697	0.195	0.366	1.394
* WY-1.375	1.375	1.760	0.195	0.366	1.457
* WY-1.437	1.437	1.822	0.195	0.366	1.519
* WY-1.500	1.500	1.885	0.195	0.366	1.582
* WY-1.562	1.562	1.947	0.195	0.366	1.644
* WY-1.625	1.625	2.010	0.195	0.366	1.707
* WY-1.687	1.687	2.072	0.195	0.366	1.769
WY-1.750	1.750	2.135	0.195	0.366	1.832
* WY-1.812	1.812	2.197	0.195	0.366	1.894
* WY-1.875	1.875	2.260	0.195	0.366	1.957
* WY-1.937	1.937	2.322	0.195	0.366	2.019
WY-2.000	2.000	2.385	0.195	0.366	2.082
* WY-2.125	2.125	2.510	0.195	0.366	2.207
* WY-2.250	2.250	2.760	0.255	0.483	2.207
* WY-2.375	2.375	2.885	0.255	0.483	2.407
* WY-2.500	2.500	3.010	0.255	0.483	2.657
* WY-2.625	2.625	3.135	0.255	0.483	2.782
* WY-2.750	2.750	3.260	0.255	0.483	2.907
* WY-2.875	2.875	3.385	0.255	0.483	3.032
WY-3.000	3.000	3.375	0.188	0.483	3.517
* WY-3.000	3.000	3.510	0.255	0.483	3.157
* WY-3.125	3.125	3.635	0.255	0.483	3.282

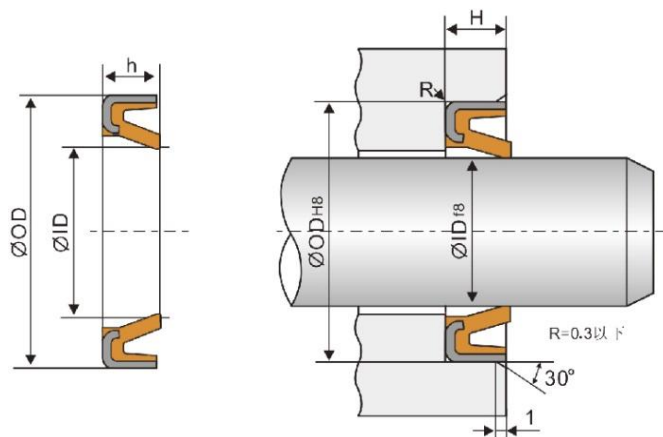
WY WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~212°F
SPEED	3.2 ft/s

ITEM	ID	OD	H1	H2	D1
* WY-3.250	3.250	3.760	0.255	0.483	3.407
* WY-3.375	3.375	3.885	0.255	0.483	3.532
* WY-3.500	3.500	4.010	0.255	0.483	3.657
* WY-3.625	3.625	4.135	0.255	0.483	3.782
* WY-3.750	3.750	4.260	0.255	0.483	3.907
* WY-3.875	3.875	4.385	0.255	0.483	4.032
* WY-4.000	4.000	4.510	0.255	0.483	4.157
* WY-4.125	4.125	4.635	0.255	0.483	4.282
* WY-4.250	4.250	4.760	0.255	0.483	4.407
* WY-4.375	4.375	4.885	0.255	0.483	4.532
* WY-4.500	4.500	5.010	0.255	0.483	4.657
* WY-4.625	4.625	5.135	0.255	0.483	4.782
* WY-4.750	4.750	5.260	0.255	0.483	4.907
* WY-4.875	4.875	5.385	0.255	0.483	5.032
* WY-5.000	5.000	5.510	0.255	0.483	5.157
* WY-5.250	5.250	5.760	0.255	0.483	5.407
* WY-5.500	5.500	6.010	0.255	0.483	6.657

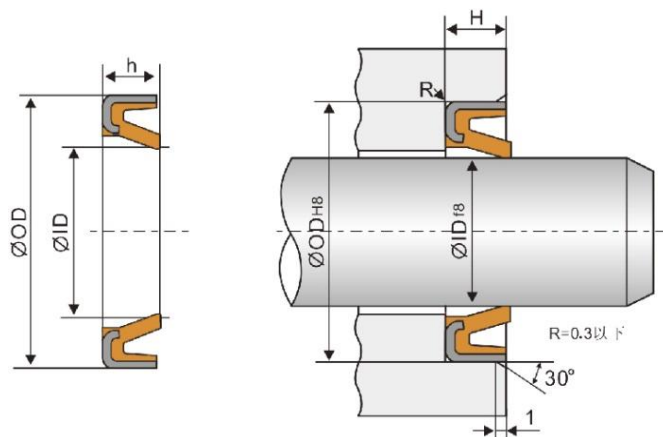
DWI WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-31°F~230°F
SPEED	3.2 ft/s

ITEM	ID	OD	H
* DWI-1.250	1.250	1.750	0.250
* DWI-1.500	1.500	1.875	0.250
* DWI-1.500	1.500	2.000	0.250
* DWI-1.625	1.625	2.125	0.250
* DWI-1.750	1.750	2.250	0.250
DWI-2.000	2.000	2.375	0.250
* DWI-2.000	2.000	2.500	0.250
* DWI-2.000	2.000	2.625	0.250
* DWI-2.250	2.250	2.750	0.250
* DWI-2.250	2.250	3.000	0.250
* DWI-2.500	2.500	3.250	0.250
* DWI-2.625	2.625	3.125	0.250
* DWI-2.750	2.750	3.500	0.250
* DWI-3.000	3.000	3.750	0.250
* DWI-3.500	3.500	4.250	0.250
* DWI-0.625	0.625	1.125	0.312
* DWI-0.750	0.750	1.250	0.312
* DWI-0.875	0.875	1.375	0.312
DWI-1.000	1.000	1.500	0.312
* DWI-1.125	1.125	1.625	0.312
* DWI-1.250	1.250	1.750	0.312
* DWI-1.375	1.375	1.875	0.312
DWI-1.500	1.500	2.000	0.312
* DWI-1.500	1.500	2.125	0.312
* DWI-1.625	1.625	2.125	0.312
DWI-1.750	1.750	2.250	0.312
* DWI-1.875	1.875	2.375	0.312
DWI-2.000	2.000	2.500	0.312
* DWI-2.125	2.125	2.625	0.312
DWI-2.250	2.250	2.750	0.312
* DWI-2.375	2.375	2.875	0.312
DWI-2.500	2.500	3.000	0.312
* DWI-2.625	2.625	3.125	0.312
DWI-2.750	2.750	3.250	0.312

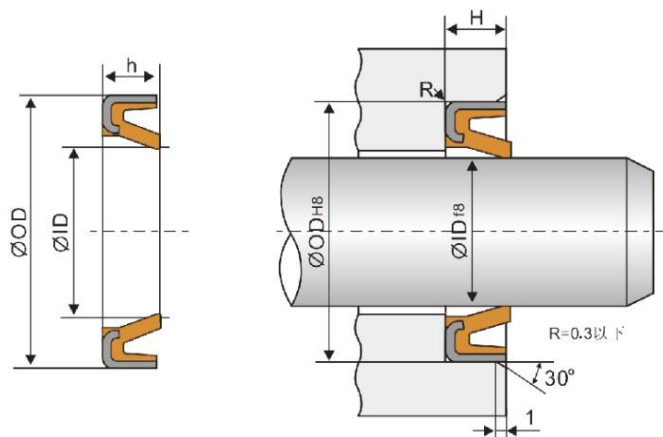
DWI WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-31°F~230°F
SPEED	3.2 ft/s

ITEM	ID	OD	H
* DWI-3.000	3.000	3.500	0.312
* DWI-3.250	3.250	3.750	0.312
* DWI-3.250	3.250	3.875	0.312
* DWI-3.375	3.375	4.000	0.312
* DWI-3.500	3.500	4.000	0.312
* DWI-3.500	3.500	4.125	0.312
* DWI-3.750	3.750	4.250	0.312
* DWI-3.750	3.750	4.375	0.312
* DWI-3.750	3.750	4.500	0.312
DWI-4.000	4.000	4.625	0.312
* DWI-4.000	4.000	4.750	0.312
* DWI-4.250	4.250	4.750	0.312
* DWI-4.250	4.250	4.875	0.312
* DWI-4.500	4.500	5.125	0.312
* DWI-4.500	4.500	5.250	0.312
* DWI-4.500	4.500	5.500	0.312
* DWI-4.750	4.750	5.375	0.312
* DWI-5.000	5.000	5.625	0.312
* DWI-5.000	5.000	5.750	0.312
* DWI-5.250	5.250	6.000	0.312
* DWI-5.500	5.500	6.250	0.312
* DWI-6.250	6.250	6.750	0.312
* DWI-6.500	6.500	7.250	0.312
* DWI-6.750	6.750	7.250	0.312
* DWI-7.000	7.000	7.750	0.312
* DWI-8.125	8.125	8.625	0.312
* DWI-1.500	1.500	2.250	0.375
* DWI-1.750	1.750	2.500	0.375
* DWI-2.000	2.000	2.750	0.375
* DWI-2.125	2.125	2.875	0.375
* WI-2.1875	2.1875	2.6875	0.375
* DWI-2.250	2.250	3.000	0.375
* DWI-2.375	2.375	3.125	0.375
DWI-2.500	2.500	3.250	0.375

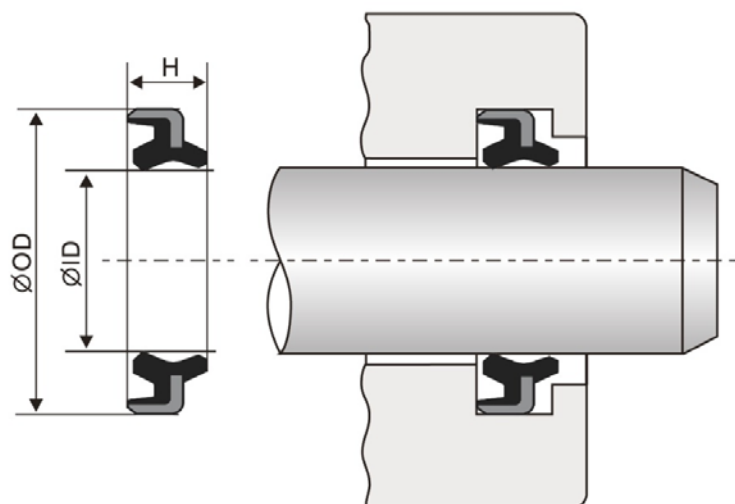
DWI WIPER SEAL



APPLICATION	
MATERIAL	PU+STEEL
TEMP.	-31°F~230°F
SPEED	3.2 ft/s

ITEM	ID	OD	H
* DWI-2.625	2.625	3.375	0.375
* DWI-2.750	2.750	3.500	0.375
* DWI-3.125	3.125	3.750	0.375
* DWI-5.500	5.500	6.125	0.375
* DWI-5.750	5.750	6.375	0.375
* DWI-6.000	6.000	6.625	0.375
* DWI-6.750	6.750	7.375	0.375
* DWI-8.000	8.000	8.750	0.375
* DWI-2.750	2.750	3.500	0.500
* DWI-2.750	2.750	3.750	0.500
* DWI-3.000	3.000	4.000	0.500
* DWI-3.250	3.250	4.250	0.500
* DWI-3.500	3.500	4.250	0.500
* DWI-3.750	3.750	4.750	0.500
* DWI-4.000	4.000	5.000	0.500
* DWI-4.250	4.250	5.250	0.500
* DWI-4.500	4.500	5.500	0.500
* DWI-4.750	4.750	5.750	0.500
* DWI-5.000	5.000	6.000	0.500
* DWI-5.750	5.750	6.750	0.500
* DWI-6.000	6.000	7.000	0.500
* DWI-6.750	6.750	7.750	0.500
* DWI-7.000	7.000	8.000	0.500

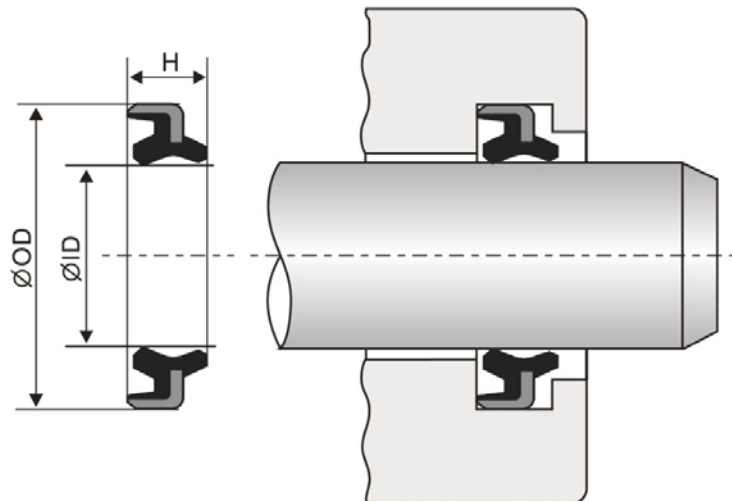
DK1 WIPER SEAL



APPLICATION		
MATERIAL	PU+STEEL	NBR+STEEL
TEMP.	-4°F~176°F	-22°F-212°F

ITEM	ID	OD	H
* DK1-0.500	0.500	1.000	0.250
* DK1-0.625	0.625	1.125	0.312
* DK1-0.750	0.750	1.250	0.312
* DK1-0.875	0.875	1.375	0.312
* DK1-1.000	1.000	1.500	0.312
* DK1-1.125	1.125	1.625	0.312
* DK1-1.250	1.250	1.750	0.312
* DK1-1.375	1.375	1.875	0.312
* DK1-1.500	1.500	2.000	0.312
* DK1-1.625	1.625	2.125	0.312
* DK1-1.750	1.750	2.250	0.312
* DK1-1.875	1.875	2.375	0.312
* DK1-2.000	2.000	2.500	0.312
* DK1-2.125	2.125	2.625	0.312
* DK1-2.250	2.250	2.750	0.312
* DK1-2.375	2.375	2.875	0.312
* DK1-2.500	2.500	3.000	0.312
* DK1-2.625	2.625	3.125	0.312
* DK1-2.750	2.750	3.250	0.312
* DK1-2.875	2.875	3.375	0.312
* DK1-3.000	3.000	3.500	0.312
* DK1-3.250	3.250	3.875	0.312
* DK1-3.500	3.500	4.125	0.312
* DK1-3.750	3.750	4.375	0.312
* DK1-4.000	4.000	4.625	0.312
* DK1-4.250	4.250	4.875	0.312
* DK1-4.500	4.500	5.125	0.312
* DK1-4.750	4.750	5.375	0.312
* DK1-5.000	5.000	5.625	0.312
* DK1-5.250	5.250	5.875	0.312
* DK1-5.500	5.500	6.125	0.375

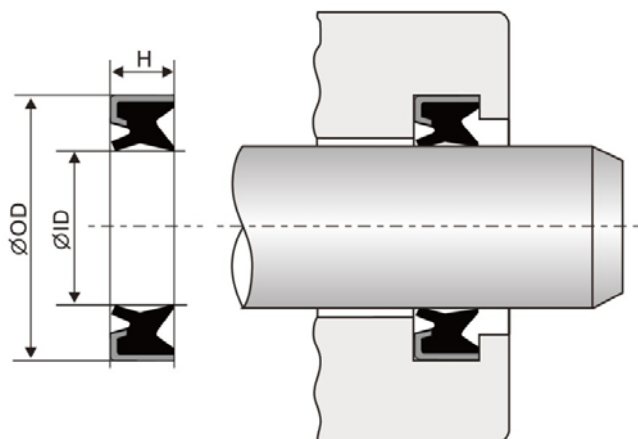
DK1 WIPER SEAL



APPLICATION		
MATERIAL	PU+STEEL	NBR+STEEL
TEMP.	-4°F~176°F	-22°F-212°F

ITEM	ID	OD	H
* DK1-5.750	5.750	6.375	0.375
* DK1-6.000	6.000	6.625	0.375
* DK1-6.250	6.250	6.875	0.375
* DK1-6.500	6.500	7.125	0.375
* DK1-6.750	6.750	7.375	0.375
* DK1-7.000	7.000	7.625	0.375
* DK1-7.250	7.250	7.875	0.375
* DK1-7.500	7.500	8.125	0.375
* DK1-7.750	7.750	8.375	0.375
* DK1-8.000	8.000	8.625	0.375

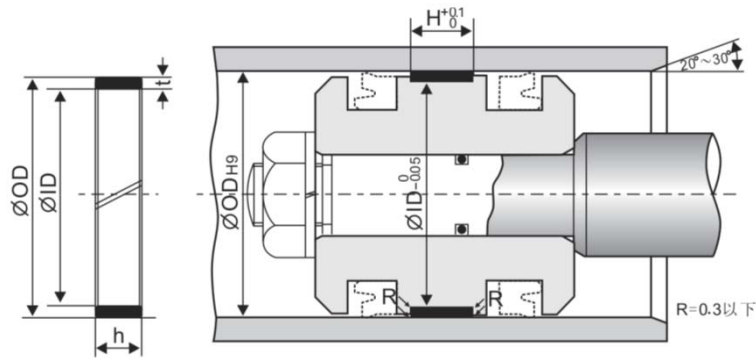
DKIY WIPER SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-31°F~230°F
SPEED	3.2 ft/s

ITEM	ID	OD	H
* DKIY-1.500	1.500	2.250	0.433
* DKIY-1.750	1.750	2.438	0.433
* DKIY-1.875	1.875	2.563	0.433
* DKIY-2.000	2.000	2.688	0.433
* DKIY-2.125	2.125	2.875	0.433
* DKIY-2.250	2.250	3.000	0.433
* DKIY-2.375	2.375	3.125	0.433
* DKIY-2.500	2.500	3.250	0.433
* DKIY-2.500	2.500	3.313	0.433
* DKIY-2.750	2.750	3.750	0.555
* DKIY-3.000	3.000	4.000	0.555
* DKIY-3.250	3.250	4.250	0.555
* DKIY-3.500	3.500	4.500	0.555
* DKIY-3.750	3.750	4.750	0.555
* DKIY-4.000	4.000	5.000	0.555
* DKIY-4.250	4.250	5.250	0.555
* DKIY-5.000	5.000	6.000	0.555
* DKIY-5.500	5.500	6.500	0.555
* DKIY-6.750	6.750	7.750	0.555
* DKIY-7.000	7.000	8.000	0.555
* DKIY-8.000	8.000	9.000	0.555

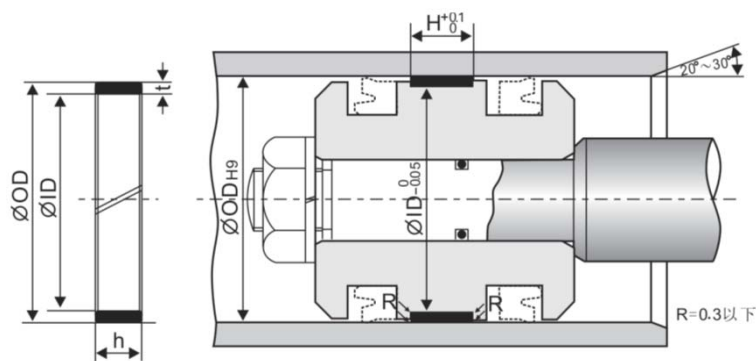
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	0.875	0.625	0.165	0.125	* WRNF	1.250	1.000	0.875	0.125
* WRNF	0.875	0.625	0.187	0.125	WRNF	1.250	1.000	1.000	0.125
* WRNF	0.875	0.625	0.250	0.125	* WRNF	1.250	1.000	1.250	0.125
* WRNF	0.875	0.625	0.312	0.125	* WRNF	1.375	1.125	0.165	0.125
* WRNF	0.875	0.625	0.375	0.125	* WRNF	1.375	1.125	0.187	0.125
* WRNF	1.000	0.750	0.165	0.125	* WRNF	1.375	1.125	0.250	0.125
* WRNF	1.000	0.750	0.187	0.125	* WRNF	1.375	1.125	0.312	0.125
* WRNF	1.000	0.750	0.250	0.125	WRNF	1.375	1.125	0.375	0.125
* WRNF	1.000	0.750	0.312	0.125	* WRNF	1.375	1.125	0.500	0.125
* WRNF	1.000	0.750	0.375	0.125	* WRNF	1.375	1.125	0.625	0.125
* WRNF	1.000	0.750	0.500	0.125	* WRNF	1.375	1.125	0.750	0.125
* WRNF	1.000	0.750	0.625	0.125	* WRNF	1.375	1.125	0.875	0.125
* WRNF	1.000	0.750	0.750	0.125	* WRNF	1.375	1.125	1.000	0.125
* WRNF	1.000	0.750	0.875	0.125	* WRNF	1.500	1.250	0.165	0.125
* WRNF	1.000	0.750	1.000	0.125	* WRNF	1.500	1.250	0.187	0.125
* WRNF	1.000	0.750	1.250	0.125	WRNF	1.500	1.250	0.250	0.125
* WRNF	1.125	0.875	0.165	0.125	* WRNF	1.500	1.250	0.312	0.125
* WRNF	1.125	0.875	0.187	0.125	WRNF	1.500	1.250	0.375	0.125
* WRNF	1.125	0.875	0.250	0.125	WRNF	1.500	1.250	0.500	0.125
* WRNF	1.125	0.875	0.312	0.125	* WRNF	1.500	1.250	0.625	0.125
* WRNF	1.125	0.875	0.375	0.125	* WRNF	1.500	1.250	0.750	0.125
* WRNF	1.125	0.875	0.500	0.125	* WRNF	1.500	1.250	0.875	0.125
* WRNF	1.125	0.875	0.625	0.125	* WRNF	1.500	1.250	1.000	0.125
* WRNF	1.125	0.875	0.750	0.125	* WRNF	1.500	1.250	1.250	0.125
* WRNF	1.125	0.875	0.875	0.125	* WRNF	1.625	1.375	0.165	0.125
* WRNF	1.125	0.875	1.000	0.125	* WRNF	1.625	1.375	0.187	0.125
* WRNF	1.125	0.875	1.250	0.125	* WRNF	1.625	1.375	0.250	0.125
* WRNF	1.250	1.000	0.165	0.125	* WRNF	1.625	1.375	0.312	0.125
* WRNF	1.250	1.000	0.187	0.125	WRNF	1.625	1.375	0.375	0.125
* WRNF	1.250	1.000	0.250	0.125	WRNF	1.625	1.375	0.500	0.125
* WRNF	1.250	1.000	0.312	0.125	* WRNF	1.625	1.375	0.625	0.125
* WRNF	1.250	1.000	0.375	0.125	* WRNF	1.625	1.375	0.750	0.125
WRNF	1.250	1.000	0.500	0.125	* WRNF	1.625	1.375	0.875	0.125
* WRNF	1.250	1.000	0.625	0.125	* WRNF	1.625	1.375	1.000	0.125
WRNF	1.250	1.000	0.750	0.125	* WRNF	1.625	1.375	1.250	0.125

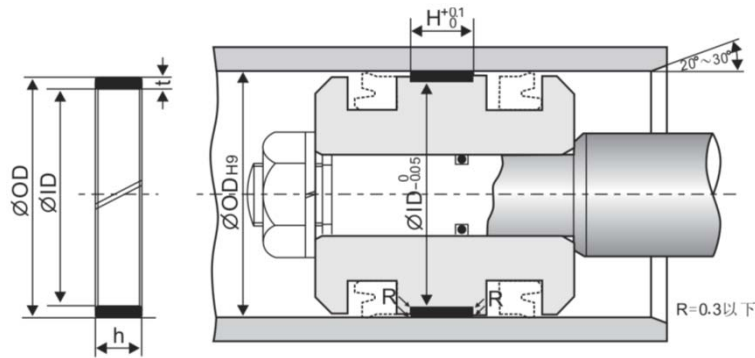
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	1.750	1.500	0.165	0.125	* WRNF	2.125	1.875	0.250	0.125
* WRNF	1.750	1.500	0.187	0.125	* WRNF	2.125	1.875	0.312	0.125
WRNF	1.750	1.500	0.250	0.125	* WRNF	2.125	1.875	0.375	0.125
* WRNF	1.750	1.500	0.312	0.125	* WRNF	2.125	1.875	0.500	0.125
WRNF	1.750	1.500	0.375	0.125	* WRNF	2.125	1.875	0.625	0.125
WRNF	1.750	1.500	0.500	0.125	* WRNF	2.125	1.875	0.750	0.125
* WRNF	1.750	1.500	0.625	0.125	* WRNF	2.125	1.875	0.875	0.125
* WRNF	1.750	1.500	0.750	0.125	* WRNF	2.125	1.875	1.000	0.125
* WRNF	1.750	1.500	0.875	0.125	* WRNF	2.125	1.875	1.250	0.125
* WRNF	1.750	1.500	1.000	0.125	* WRNF	2.250	2.000	0.165	0.125
* WRNF	1.750	1.500	1.250	0.125	* WRNF	2.250	2.000	0.187	0.125
* WRNF	1.875	1.625	0.165	0.125	WRNF	2.250	2.000	0.250	0.125
* WRNF	1.875	1.625	0.187	0.125	* WRNF	2.250	2.000	0.312	0.125
* WRNF	1.875	1.625	0.250	0.125	WRNF	2.250	2.000	0.375	0.125
* WRNF	1.875	1.625	0.312	0.125	WRNF	2.250	2.000	0.500	0.125
WRNF	1.875	1.625	0.375	0.125	WRNF	2.250	2.000	0.625	0.125
WRNF	1.875	1.625	0.500	0.125	WRNF	2.250	2.000	0.750	0.125
* WRNF	1.875	1.625	0.625	0.125	* WRNF	2.250	2.000	0.875	0.125
* WRNF	1.875	1.625	0.750	0.125	WRNF	2.250	2.000	1.000	0.125
* WRNF	1.875	1.625	0.875	0.125	* WRNF	2.250	2.000	1.250	0.125
* WRNF	1.875	1.625	1.000	0.125	* WRNF	2.375	2.125	0.165	0.125
* WRNF	1.875	1.625	1.250	0.125	* WRNF	2.375	2.125	0.187	0.125
* WRNF	2.000	1.750	0.165	0.125	* WRNF	2.375	2.125	0.250	0.125
* WRNF	2.000	1.750	0.187	0.125	* WRNF	2.375	2.125	0.312	0.125
WRNF	2.000	1.750	0.250	0.125	* WRNF	2.375	2.125	0.375	0.125
WRNF	2.000	1.750	0.312	0.125	* WRNF	2.375	2.125	0.500	0.125
WRNF	2.000	1.750	0.375	0.125	* WRNF	2.375	2.125	0.625	0.125
WRNF	2.000	1.750	0.500	0.125	* WRNF	2.375	2.125	0.750	0.125
WRNF	2.000	1.750	0.625	0.125	* WRNF	2.375	2.125	0.875	0.125
WRNF	2.000	1.750	0.750	0.125	* WRNF	2.375	2.125	1.000	0.125
* WRNF	2.000	1.750	0.875	0.125	* WRNF	2.375	2.125	1.250	0.125
* WRNF	2.000	1.750	1.000	0.125	* WRNF	2.500	2.250	0.165	0.125
* WRNF	2.000	1.750	1.250	0.125	* WRNF	2.500	2.250	0.187	0.125
* WRNF	2.125	1.875	0.165	0.125	WRNF	2.500	2.250	0.250	0.125
* WRNF	2.125	1.875	0.187	0.125	WRNF	2.500	2.250	0.312	0.125

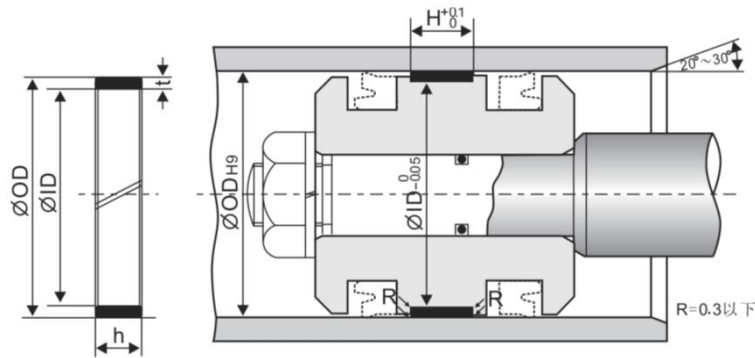
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF	2.500	2.250	0.375	0.125	* WRNF	2.875	2.625	0.375	0.125
WRNF	2.500	2.250	0.500	0.125	* WRNF	2.875	2.625	0.500	0.125
* WRNF	2.500	2.250	0.625	0.125	* WRNF	2.875	2.625	0.625	0.125
WRNF	2.500	2.250	0.750	0.125	* WRNF	2.875	2.625	0.750	0.125
* WRNF	2.500	2.250	0.875	0.125	* WRNF	2.875	2.625	0.875	0.125
* WRNF	2.500	2.250	1.000	0.125	* WRNF	2.875	2.625	1.000	0.125
* WRNF	2.500	2.250	1.250	0.125	* WRNF	2.875	2.625	1.250	0.125
WRNF	2.500	2.250	1.500	0.125	* WRNF	2.875	2.625	1.500	0.125
* WRNF	2.625	2.375	0.165	0.125	* WRNF	3.000	2.750	0.165	0.125
* WRNF	2.625	2.375	0.187	0.125	* WRNF	3.000	2.750	0.187	0.125
* WRNF	2.625	2.375	0.250	0.125	WRNF	3.000	2.750	0.250	0.125
* WRNF	2.625	2.375	0.312	0.125	WRNF	3.000	2.750	0.312	0.125
* WRNF	2.625	2.375	0.375	0.125	WRNF	3.000	2.750	0.375	0.125
* WRNF	2.625	2.375	0.500	0.125	WRNF	3.000	2.750	0.500	0.125
* WRNF	2.625	2.375	0.625	0.125	WRNF	3.000	2.750	0.625	0.125
* WRNF	2.625	2.375	0.750	0.125	WRNF	3.000	2.750	0.750	0.125
* WRNF	2.625	2.375	0.875	0.125	* WRNF	3.000	2.750	0.875	0.125
WRNF	2.625	2.375	1.000	0.125	WRNF	3.000	2.750	1.000	0.125
* WRNF	2.625	2.375	1.250	0.125	* WRNF	3.000	2.750	1.250	0.125
* WRNF	2.750	2.500	0.165	0.125	WRNF	3.000	2.750	1.500	0.125
* WRNF	2.750	2.500	0.187	0.125	* WRNF	3.125	2.875	0.165	0.125
WRNF	2.750	2.500	0.250	0.125	* WRNF	3.125	2.875	0.187	0.125
* WRNF	2.750	2.500	0.312	0.125	* WRNF	3.125	2.875	0.250	0.125
WRNF	2.750	2.500	0.375	0.125	* WRNF	3.125	2.875	0.312	0.125
WRNF	2.750	2.500	0.500	0.125	* WRNF	3.125	2.875	0.375	0.125
WRNF	2.750	2.500	0.625	0.125	* WRNF	3.125	2.875	0.500	0.125
WRNF	2.750	2.500	0.750	0.125	* WRNF	3.125	2.875	0.625	0.125
* WRNF	2.750	2.500	0.875	0.125	* WRNF	3.125	2.875	0.750	0.125
WRNF	2.750	2.500	1.000	0.125	* WRNF	3.125	2.875	0.875	0.125
WRNF	2.750	2.500	1.250	0.125	* WRNF	3.125	2.875	1.000	0.125
* WRNF	2.750	2.500	1.500	0.125	* WRNF	3.125	2.875	1.250	0.125
* WRNF	2.875	2.625	0.165	0.125	* WRNF	3.125	2.875	1.500	0.125
* WRNF	2.875	2.625	0.187	0.125	* WRNF	3.250	3.000	0.165	0.125
* WRNF	2.875	2.625	0.250	0.125	* WRNF	3.250	3.000	0.187	0.125
* WRNF	2.875	2.625	0.312	0.125	WRNF	3.250	3.000	0.250	0.125

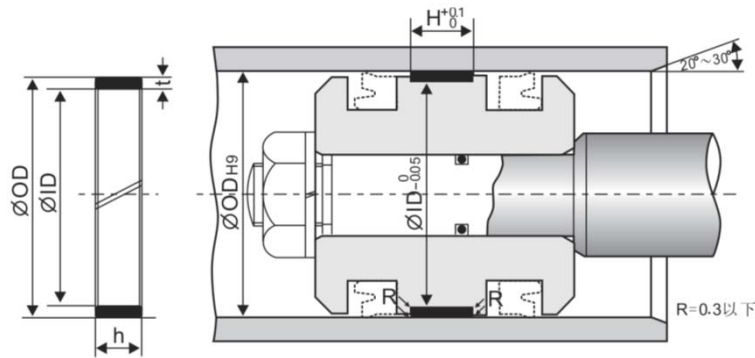
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	3.250	3.000	0.312	0.125	* WRNF	3.625	3.375	0.187	0.125
WRNF	3.250	3.000	0.375	0.125	* WRNF	3.625	3.375	0.250	0.125
WRNF	3.250	3.000	0.500	0.125	* WRNF	3.625	3.375	0.312	0.125
WRNF	3.250	3.000	0.625	0.125	* WRNF	3.625	3.375	0.375	0.125
WRNF	3.250	3.000	0.750	0.125	WRNF	3.625	3.375	0.500	0.125
* WRNF	3.250	3.000	0.875	0.125	* WRNF	3.625	3.375	0.625	0.125
* WRNF	3.250	3.000	1.000	0.125	* WRNF	3.625	3.375	0.750	0.125
* WRNF	3.250	3.000	1.250	0.125	* WRNF	3.625	3.375	0.875	0.125
* WRNF	3.250	3.000	1.500	0.125	* WRNF	3.625	3.375	1.000	0.125
* WRNF	3.375	3.125	0.165	0.125	* WRNF	3.625	3.375	1.250	0.125
* WRNF	3.375	3.125	0.187	0.125	* WRNF	3.625	3.375	1.500	0.125
* WRNF	3.375	3.125	0.250	0.125	* WRNF	3.750	3.500	0.187	0.125
* WRNF	3.375	3.125	0.312	0.125	WRNF	3.750	3.500	0.250	0.125
* WRNF	3.375	3.125	0.375	0.125	* WRNF	3.750	3.500	0.312	0.125
* WRNF	3.375	3.125	0.500	0.125	WRNF	3.750	3.500	0.375	0.125
* WRNF	3.375	3.125	0.625	0.125	WRNF	3.750	3.500	0.500	0.125
* WRNF	3.375	3.125	0.750	0.125	* WRNF	3.750	3.500	0.625	0.125
* WRNF	3.375	3.125	0.875	0.125	WRNF	3.750	3.500	0.750	0.125
* WRNF	3.375	3.125	1.000	0.125	* WRNF	3.750	3.500	0.875	0.125
* WRNF	3.375	3.125	1.250	0.125	WRNF	3.750	3.500	1.000	0.125
* WRNF	3.375	3.125	1.500	0.125	WRNF	3.750	3.500	1.250	0.125
WRNF	3.375	3.625	0.750	0.125	WRNF	3.750	3.500	1.500	0.125
* WRNF	3.500	3.250	0.165	0.125	* WRNF	3.875	3.625	0.187	0.125
* WRNF	3.500	3.250	0.187	0.125	WRNF	3.875	3.625	0.250	0.125
WRNF	3.500	3.250	0.250	0.125	* WRNF	3.875	3.625	0.312	0.125
WRNF	3.500	3.250	0.312	0.125	* WRNF	3.875	3.625	0.375	0.125
WRNF	3.500	3.250	0.375	0.125	WRNF	3.875	3.625	0.500	0.125
WRNF	3.500	3.250	0.500	0.125	* WRNF	3.875	3.625	0.625	0.125
WRNF	3.500	3.250	0.625	0.125	* WRNF	3.875	3.625	0.750	0.125
WRNF	3.500	3.250	0.750	0.125	* WRNF	3.875	3.625	0.875	0.125
* WRNF	3.500	3.250	0.875	0.125	WRNF	3.875	3.625	1.000	0.125
WRNF	3.500	3.250	1.000	0.125	* WRNF	3.875	3.625	1.250	0.125
* WRNF	3.500	3.250	1.250	0.125	* WRNF	3.875	3.625	1.500	0.125
* WRNF	3.500	3.250	1.500	0.125	* WRNF	4.000	3.750	0.187	0.125
WRNF	3.550	3.300	0.625	0.125	* WRNF	4.000	3.750	0.250	0.125

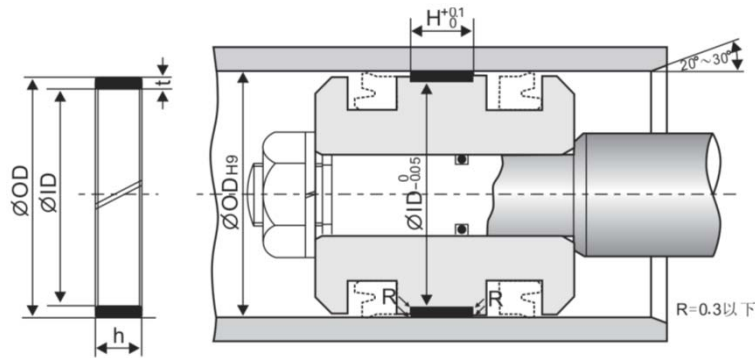
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
WRNF	4.000	3.750	0.312	0.125	* WRNF	4.375	4.125	0.500	0.125
WRNF	4.000	3.750	0.375	0.125	* WRNF	4.375	4.125	0.625	0.125
WRNF	4.000	3.750	0.500	0.125	* WRNF	4.375	4.125	0.750	0.125
WRNF	4.000	3.750	0.625	0.125	* WRNF	4.375	4.125	0.875	0.125
WRNF	4.000	3.750	0.750	0.125	* WRNF	4.375	4.125	1.000	0.125
* WRNF	4.000	3.750	0.875	0.125	* WRNF	4.375	4.125	1.250	0.125
WRNF	4.000	3.750	1.000	0.125	* WRNF	4.375	4.125	1.500	0.125
* WRNF	4.000	3.750	1.250	0.125	* WRNF	4.500	4.250	0.187	0.125
* WRNF	4.000	3.750	1.500	0.125	* WRNF	4.500	4.250	0.250	0.125
* WRNF	4.125	3.875	0.187	0.125	WRNF	4.500	4.250	0.312	0.125
* WRNF	4.125	3.875	0.250	0.125	WRNF	4.500	4.250	0.375	0.125
* WRNF	4.125	3.875	0.312	0.125	WRNF	4.500	4.250	0.385	0.125
* WRNF	4.125	3.875	0.375	0.125	WRNF	4.500	4.250	0.500	0.125
* WRNF	4.125	3.875	0.500	0.125	WRNF	4.500	4.250	0.625	0.125
* WRNF	4.125	3.875	0.625	0.125	WRNF	4.500	4.250	0.750	0.125
* WRNF	4.125	3.875	0.750	0.125	WRNF	4.500	4.250	0.875	0.125
* WRNF	4.125	3.875	0.875	0.125	WRNF	4.500	4.250	1.000	0.125
* WRNF	4.125	3.875	1.000	0.125	* WRNF	4.500	4.250	1.250	0.125
* WRNF	4.125	3.875	1.250	0.125	* WRNF	4.500	4.250	1.500	0.125
* WRNF	4.125	3.875	1.500	0.125	* WRNF	4.625	4.375	0.187	0.125
* WRNF	4.250	4.000	0.187	0.125	* WRNF	4.625	4.375	0.250	0.125
* WRNF	4.250	4.000	0.250	0.125	* WRNF	4.625	4.375	0.312	0.125
WRNF	4.250	4.000	0.312	0.125	* WRNF	4.625	4.375	0.375	0.125
WRNF	4.250	4.000	0.375	0.125	* WRNF	4.625	4.375	0.500	0.125
WRNF	4.250	4.000	0.500	0.125	* WRNF	4.625	4.375	0.625	0.125
WRNF	4.250	4.000	0.625	0.125	* WRNF	4.625	4.375	0.750	0.125
* WRNF	4.250	4.000	0.750	0.125	* WRNF	4.625	4.375	0.875	0.125
* WRNF	4.250	4.000	0.875	0.125	* WRNF	4.625	4.375	1.000	0.125
* WRNF	4.250	4.000	1.000	0.125	* WRNF	4.625	4.375	1.250	0.125
* WRNF	4.250	4.000	1.250	0.125	* WRNF	4.625	4.375	1.500	0.125
WRNF	4.250	4.000	1.500	0.125	* WRNF	4.750	4.500	0.187	0.125
* WRNF	4.375	4.125	0.187	0.125	* WRNF	4.750	4.500	0.250	0.125
* WRNF	4.375	4.125	0.250	0.125	* WRNF	4.750	4.500	0.312	0.125
* WRNF	4.375	4.125	0.312	0.125	WRNF	4.750	4.500	0.375	0.125
* WRNF	4.375	4.125	0.375	0.125	WRNF	4.750	4.500	0.500	0.125

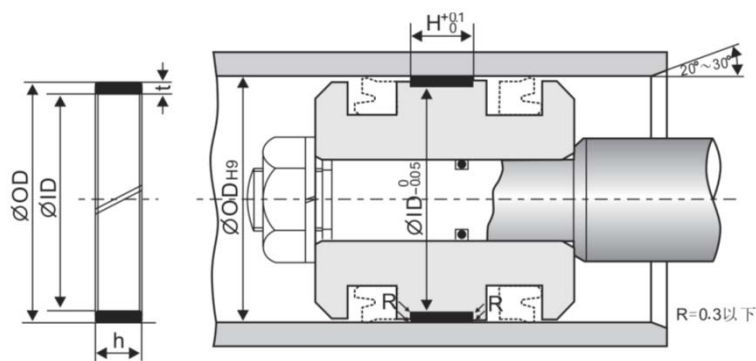
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	4.750	4.500	0.625	0.125	* WRNF	5.125	4.875	0.875	0.125
WRNF	4.750	4.500	0.750	0.125	* WRNF	5.125	4.875	1.000	0.125
* WRNF	4.750	4.500	0.875	0.125	* WRNF	5.125	4.875	1.250	0.125
WRNF	4.750	4.500	1.000	0.125	* WRNF	5.125	4.875	1.500	0.125
WRNF	4.750	4.500	1.250	0.125	WRNF	5.150	4.900	0.625	0.125
WRNF	4.750	4.500	1.500	0.125	* WRNF	5.250	5.000	0.187	0.125
* WRNF	4.875	4.625	0.187	0.125	* WRNF	5.250	5.000	0.250	0.125
* WRNF	4.875	4.625	0.250	0.125	* WRNF	5.250	5.000	0.312	0.125
* WRNF	4.875	4.625	0.312	0.125	* WRNF	5.250	5.000	0.375	0.125
* WRNF	4.875	4.625	0.375	0.125	* WRNF	5.250	5.000	0.500	0.125
* WRNF	4.875	4.625	0.500	0.125	* WRNF	5.250	5.000	0.625	0.125
* WRNF	4.875	4.625	0.625	0.125	WRNF	5.250	5.000	0.750	0.125
* WRNF	4.875	4.625	0.750	0.125	* WRNF	5.250	5.000	0.875	0.125
* WRNF	4.875	4.625	0.875	0.125	WRNF	5.250	5.000	1.000	0.125
* WRNF	4.875	4.625	1.000	0.125	* WRNF	5.250	5.000	1.250	0.125
* WRNF	4.875	4.625	1.250	0.125	* WRNF	5.250	5.000	1.500	0.125
* WRNF	4.875	4.625	1.500	0.125	* WRNF	5.375	5.125	0.312	0.125
* WRNF	5.000	4.750	0.187	0.125	* WRNF	5.375	5.125	0.375	0.125
* WRNF	5.000	4.750	0.250	0.125	* WRNF	5.375	5.125	0.500	0.125
* WRNF	5.000	4.750	0.312	0.125	* WRNF	5.375	5.125	0.625	0.125
WRNF	5.000	4.750	0.375	0.125	* WRNF	5.375	5.125	0.750	0.125
WRNF	5.000	4.750	0.500	0.125	* WRNF	5.375	5.125	0.875	0.125
WRNF	5.000	4.750	0.625	0.125	* WRNF	5.375	5.125	1.000	0.125
WRNF	5.000	4.750	0.750	0.125	* WRNF	5.375	5.125	1.250	0.125
* WRNF	5.000	4.750	0.875	0.125	* WRNF	5.375	5.125	1.500	0.125
WRNF	5.000	4.750	1.000	0.125	* WRNF	5.500	5.250	0.187	0.125
* WRNF	5.000	4.750	1.250	0.125	* WRNF	5.500	5.250	0.250	0.125
WRNF	5.000	4.750	1.500	0.125	* WRNF	5.500	5.250	0.312	0.125
* WRNF	5.125	4.875	0.187	0.125	WRNF	5.500	5.250	0.375	0.125
* WRNF	5.125	4.875	0.250	0.125	WRNF	5.500	5.250	0.500	0.125
* WRNF	5.125	4.875	0.312	0.125	WRNF	5.500	5.250	0.625	0.125
* WRNF	5.125	4.875	0.375	0.125	WRNF	5.500	5.250	0.750	0.125
* WRNF	5.125	4.875	0.500	0.125	* WRNF	5.500	5.250	0.875	0.125
* WRNF	5.125	4.875	0.625	0.125	WRNF	5.500	5.250	1.000	0.125
* WRNF	5.125	4.875	0.750	0.125	* WRNF	5.500	5.250	1.250	0.125

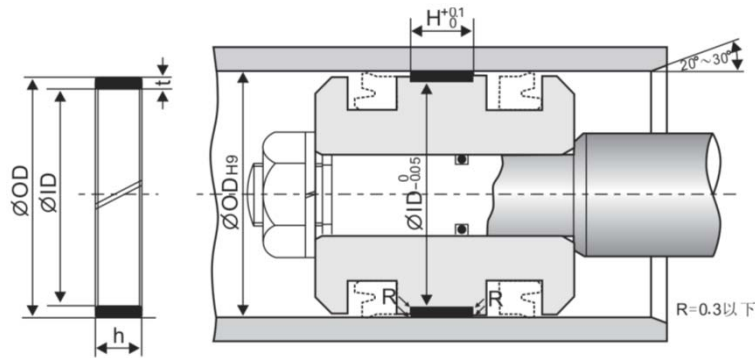
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	5.500	5.250	1.500	0.125	* WRNF	6.000	5.750	0.250	0.125
* WRNF	5.625	5.375	0.187	0.125	* WRNF	6.000	5.750	0.312	0.125
* WRNF	5.625	5.375	0.250	0.125	WRNF	6.000	5.750	0.375	0.125
* WRNF	5.625	5.375	0.312	0.125	WRNF	6.000	5.750	0.500	0.125
* WRNF	5.625	5.375	0.375	0.125	WRNF	6.000	5.750	0.625	0.125
* WRNF	5.625	5.375	0.500	0.125	WRNF	6.000	5.750	0.750	0.125
* WRNF	5.625	5.375	0.625	0.125	* WRNF	6.000	5.750	0.875	0.125
* WRNF	5.625	5.375	0.750	0.125	WRNF	6.000	5.750	1.000	0.125
* WRNF	5.625	5.375	0.875	0.125	* WRNF	6.000	5.750	1.250	0.125
* WRNF	5.625	5.375	1.000	0.125	WRNF	6.000	5.750	1.500	0.125
* WRNF	5.625	5.375	1.250	0.125	* WRNF	6.250	6.000	0.187	0.125
* WRNF	5.625	5.375	1.500	0.125	* WRNF	6.250	6.000	0.250	0.125
* WRNF	5.750	5.500	0.187	0.125	* WRNF	6.250	6.000	0.312	0.125
* WRNF	5.750	5.500	0.250	0.125	* WRNF	6.250	6.000	0.375	0.125
* WRNF	5.750	5.500	0.312	0.125	* WRNF	6.250	6.000	0.500	0.125
* WRNF	5.750	5.500	0.375	0.125	* WRNF	6.250	6.000	0.625	0.125
WRNF	5.750	5.500	0.500	0.125	WRNF	6.250	6.000	0.750	0.125
WRNF	5.750	5.500	0.625	0.125	* WRNF	6.250	6.000	0.875	0.125
* WRNF	5.750	5.500	0.750	0.125	WRNF	6.250	6.000	1.000	0.125
* WRNF	5.750	5.500	0.875	0.125	* WRNF	6.250	6.000	1.250	0.125
WRNF	5.750	5.500	1.000	0.125	WRNF	6.250	6.000	1.500	0.125
* WRNF	5.750	5.500	1.250	0.125	* WRNF	6.500	6.250	0.187	0.125
WRNF	5.750	5.500	1.500	0.125	* WRNF	6.500	6.250	0.250	0.125
* WRNF	5.875	5.625	0.187	0.125	* WRNF	6.500	6.250	0.312	0.125
* WRNF	5.875	5.625	0.250	0.125	* WRNF	6.500	6.250	0.375	0.125
* WRNF	5.875	5.625	0.312	0.125	WRNF	6.500	6.250	0.500	0.125
* WRNF	5.875	5.625	0.375	0.125	WRNF	6.500	6.250	0.625	0.125
* WRNF	5.875	5.625	0.500	0.125	WRNF	6.500	6.250	0.750	0.125
* WRNF	5.875	5.625	0.625	0.125	* WRNF	6.500	6.250	0.875	0.125
* WRNF	5.875	5.625	0.750	0.125	WRNF	6.500	6.250	1.000	0.125
* WRNF	5.875	5.625	0.875	0.125	* WRNF	6.500	6.250	1.250	0.125
* WRNF	5.875	5.625	1.000	0.125	WRNF	6.500	6.250	1.500	0.125
* WRNF	5.875	5.625	1.250	0.125	* WRNF	6.750	6.500	0.187	0.125
* WRNF	5.875	5.625	1.500	0.125	* WRNF	6.750	6.500	0.250	0.125
* WRNF	6.000	5.750	0.187	0.125	* WRNF	6.750	6.500	0.312	0.125

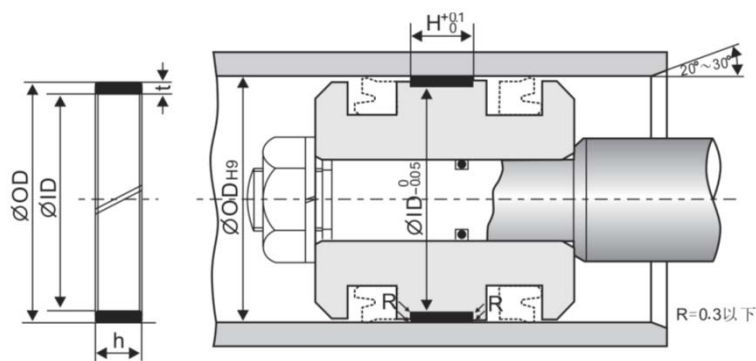
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	6.750	6.500	0.375	0.125	WRNF	7.500	7.250	0.625	0.125
* WRNF	6.750	6.500	0.500	0.125	WRNF	7.500	7.250	0.750	0.125
* WRNF	6.750	6.500	0.625	0.125	* WRNF	7.500	7.250	0.875	0.125
* WRNF	6.750	6.500	0.750	0.125	WRNF	7.500	7.250	1.000	0.125
* WRNF	6.750	6.500	0.875	0.125	* WRNF	7.500	7.250	1.250	0.125
WRNF	6.750	6.500	1.000	0.125	* WRNF	7.500	7.250	1.500	0.125
* WRNF	6.750	6.500	1.250	0.125	* WRNF	7.750	7.500	0.187	0.125
* WRNF	6.750	6.500	1.500	0.125	* WRNF	7.750	7.500	0.250	0.125
* WRNF	7.000	6.750	0.187	0.125	* WRNF	7.750	7.500	0.312	0.125
* WRNF	7.000	6.750	0.250	0.125	* WRNF	7.750	7.500	0.375	0.125
* WRNF	7.000	6.750	0.312	0.125	* WRNF	7.750	7.500	0.500	0.125
* WRNF	7.000	6.750	0.375	0.125	* WRNF	7.750	7.500	0.625	0.125
WRNF	7.000	6.750	0.500	0.125	* WRNF	7.750	7.500	0.750	0.125
WRNF	7.000	6.750	0.625	0.125	* WRNF	7.750	7.500	0.875	0.125
WRNF	7.000	6.750	0.750	0.125	* WRNF	7.750	7.500	1.000	0.125
* WRNF	7.000	6.750	0.875	0.125	* WRNF	7.750	7.500	1.250	0.125
WRNF	7.000	6.750	1.000	0.125	* WRNF	7.750	7.500	1.500	0.125
* WRNF	7.000	6.750	1.250	0.125	* WRNF	8.000	7.750	0.187	0.125
WRNF	7.000	6.750	1.500	0.125	* WRNF	8.000	7.750	0.250	0.125
* WRNF	7.250	7.000	0.187	0.125	* WRNF	8.000	7.750	0.312	0.125
* WRNF	7.250	7.000	0.250	0.125	* WRNF	8.000	7.750	0.375	0.125
* WRNF	7.250	7.000	0.312	0.125	WRNF	8.000	7.750	0.500	0.125
* WRNF	7.250	7.000	0.375	0.125	WRNF	8.000	7.750	0.625	0.125
WRNF	7.250	7.000	0.500	0.125	WRNF	8.000	7.750	0.750	0.125
* WRNF	7.250	7.000	0.625	0.125	* WRNF	8.000	7.750	0.875	0.125
* WRNF	7.250	7.000	0.750	0.125	WRNF	8.000	7.750	1.000	0.125
* WRNF	7.250	7.000	0.875	0.125	* WRNF	8.000	7.750	1.250	0.125
* WRNF	7.250	7.000	1.000	0.125	* WRNF	8.000	7.750	1.500	0.125
* WRNF	7.250	7.000	1.250	0.125	* WRNF	8.250	8.000	0.187	0.125
* WRNF	7.250	7.000	1.500	0.125	* WRNF	8.250	8.000	0.250	0.125
* WRNF	7.500	7.250	0.187	0.125	* WRNF	8.250	8.000	0.312	0.125
* WRNF	7.500	7.250	0.250	0.125	* WRNF	8.250	8.000	0.375	0.125
* WRNF	7.500	7.250	0.312	0.125	* WRNF	8.250	8.000	0.500	0.125
* WRNF	7.500	7.250	0.375	0.125	* WRNF	8.250	8.000	0.625	0.125
WRNF	7.500	7.250	0.500	0.125	* WRNF	8.250	8.000	0.750	0.125

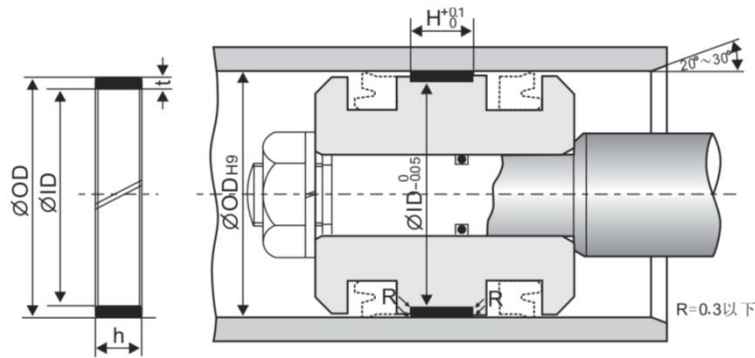
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	8.250	8.000	0.875	0.125	* WRNF	9.000	8.750	0.312	0.125
WRNF	8.250	8.000	1.000	0.125	* WRNF	9.000	8.750	0.375	0.125
* WRNF	8.250	8.000	1.250	0.125	* WRNF	9.000	8.750	0.500	0.125
* WRNF	8.250	8.000	1.500	0.125	* WRNF	9.000	8.750	0.625	0.125
* WRNF	8.375	8.125	0.500	0.125	* WRNF	9.000	8.750	0.750	0.125
* WRNF	8.375	8.125	0.625	0.125	* WRNF	9.000	8.750	0.875	0.125
* WRNF	8.375	8.125	0.750	0.125	WRNF	9.000	8.750	1.000	0.125
* WRNF	8.375	8.125	0.875	0.125	* WRNF	9.000	8.750	1.250	0.125
* WRNF	8.375	8.125	1.000	0.125	* WRNF	9.000	8.750	1.500	0.125
* WRNF	8.375	8.125	1.250	0.125	* WRNF	9.125	8.875	0.187	0.125
* WRNF	8.375	8.125	1.500	0.125	* WRNF	9.125	8.875	0.250	0.125
* WRNF	8.500	8.250	0.187	0.125	* WRNF	9.125	8.875	0.312	0.125
* WRNF	8.500	8.250	0.250	0.125	* WRNF	9.125	8.875	0.375	0.125
* WRNF	8.500	8.250	0.312	0.125	* WRNF	9.125	8.875	0.500	0.125
* WRNF	8.500	8.250	0.375	0.125	* WRNF	9.125	8.875	0.625	0.125
WRNF	8.500	8.250	0.500	0.125	* WRNF	9.125	8.875	0.750	0.125
* WRNF	8.500	8.250	0.625	0.125	* WRNF	9.125	8.875	0.875	0.125
* WRNF	8.500	8.250	0.750	0.125	* WRNF	9.125	8.875	1.000	0.125
* WRNF	8.500	8.250	0.875	0.125	* WRNF	9.125	8.875	1.250	0.125
* WRNF	8.500	8.250	1.000	0.125	* WRNF	9.125	8.875	1.500	0.125
* WRNF	8.500	8.250	1.250	0.125	* WRNF	9.250	9.000	0.187	0.125
* WRNF	8.500	8.250	1.500	0.125	* WRNF	9.250	9.000	0.250	0.125
* WRNF	8.750	8.500	0.187	0.125	* WRNF	9.250	9.000	0.312	0.125
* WRNF	8.750	8.500	0.250	0.125	* WRNF	9.250	9.000	0.375	0.125
* WRNF	8.750	8.500	0.312	0.125	* WRNF	9.250	9.000	0.500	0.125
* WRNF	8.750	8.500	0.375	0.125	* WRNF	9.250	9.000	0.625	0.125
* WRNF	8.750	8.500	0.500	0.125	* WRNF	9.250	9.000	0.750	0.125
* WRNF	8.750	8.500	0.625	0.125	* WRNF	9.250	9.000	0.875	0.125
* WRNF	8.750	8.500	0.750	0.125	WRNF	9.250	9.000	1.000	0.125
* WRNF	8.750	8.500	0.875	0.125	* WRNF	9.250	9.000	1.250	0.125
* WRNF	8.750	8.500	1.000	0.125	* WRNF	9.250	9.000	1.500	0.125
* WRNF	8.750	8.500	1.250	0.125	WRNF	9.250	9.000	1.750	0.125
* WRNF	8.750	8.500	1.500	0.125	* WRNF	9.500	9.250	0.187	0.125
* WRNF	9.000	8.750	0.187	0.125	* WRNF	9.500	9.250	0.250	0.125
* WRNF	9.000	8.750	0.250	0.125	* WRNF	9.500	9.250	0.312	0.125

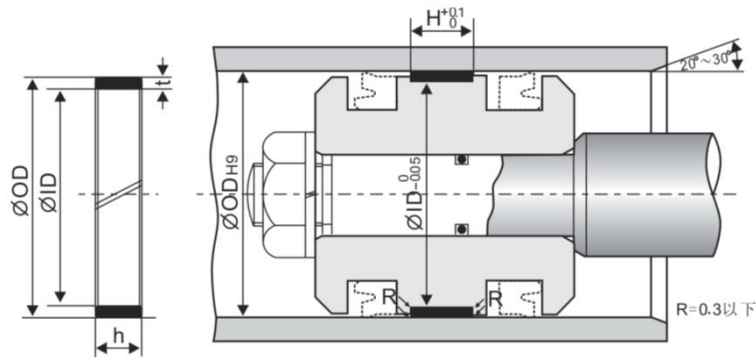
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	9.500	9.250	0.375	0.125	* WRNF	10.250	10.000	0.625	0.125
WRNF	9.500	9.250	0.500	0.125	* WRNF	10.250	10.000	0.750	0.125
* WRNF	9.500	9.250	0.625	0.125	* WRNF	10.250	10.000	0.875	0.125
* WRNF	9.500	9.250	0.750	0.125	* WRNF	10.250	10.000	1.000	0.125
* WRNF	9.500	9.250	0.875	0.125	* WRNF	10.250	10.000	1.250	0.125
* WRNF	9.500	9.250	1.000	0.125	* WRNF	10.250	10.000	1.500	0.125
* WRNF	9.500	9.250	1.250	0.125	* WRNF	10.500	10.250	0.187	0.125
WRNF	9.500	9.250	1.500	0.125	* WRNF	10.500	10.250	0.250	0.125
WRNF	9.750	9.500	0.187	0.125	* WRNF	10.500	10.250	0.312	0.125
* WRNF	9.750	9.500	0.250	0.125	* WRNF	10.500	10.250	0.375	0.125
* WRNF	9.750	9.500	0.312	0.125	* WRNF	10.500	10.250	0.500	0.125
* WRNF	9.750	9.500	0.375	0.125	* WRNF	10.500	10.250	0.625	0.125
* WRNF	9.750	9.500	0.500	0.125	* WRNF	10.500	10.250	0.750	0.125
* WRNF	9.750	9.500	0.625	0.125	* WRNF	10.500	10.250	0.875	0.125
* WRNF	9.750	9.500	0.750	0.125	* WRNF	10.500	10.250	1.000	0.125
* WRNF	9.750	9.500	0.875	0.125	* WRNF	10.500	10.250	1.250	0.125
* WRNF	9.750	9.500	1.000	0.125	* WRNF	10.500	10.250	1.500	0.125
* WRNF	9.750	9.500	1.250	0.125	* WRNF	10.750	10.500	0.250	0.125
* WRNF	9.750	9.500	1.500	0.125	* WRNF	10.750	10.500	0.375	0.125
* WRNF	10.000	9.750	0.187	0.125	* WRNF	10.750	10.500	0.500	0.125
WRNF	10.000	9.750	0.250	0.125	* WRNF	10.750	10.500	0.625	0.125
* WRNF	10.000	9.750	0.312	0.125	* WRNF	10.750	10.500	0.750	0.125
* WRNF	10.000	9.750	0.375	0.125	* WRNF	10.750	10.500	0.875	0.125
WRNF	10.000	9.750	0.500	0.125	* WRNF	10.750	10.500	1.000	0.125
* WRNF	10.000	9.750	0.625	0.125	* WRNF	11.000	10.750	0.187	0.125
WRNF	10.000	9.750	0.750	0.125	* WRNF	11.000	10.750	0.250	0.125
* WRNF	10.000	9.750	0.875	0.125	* WRNF	11.000	10.750	0.312	0.125
WRNF	10.000	9.750	1.000	0.125	* WRNF	11.000	10.750	0.375	0.125
WRNF	10.000	9.750	1.250	0.125	* WRNF	11.000	10.750	0.500	0.125
* WRNF	10.000	9.750	1.500	0.125	* WRNF	11.000	10.750	0.625	0.125
* WRNF	10.250	10.000	0.187	0.125	* WRNF	11.000	10.750	0.750	0.125
* WRNF	10.250	10.000	0.250	0.125	* WRNF	11.000	10.750	0.875	0.125
* WRNF	10.250	10.000	0.312	0.125	* WRNF	11.000	10.750	1.000	0.125
* WRNF	10.250	10.000	0.375	0.125	* WRNF	11.000	10.750	1.250	0.125
* WRNF	10.250	10.000	0.500	0.125	* WRNF	11.000	10.750	1.500	0.125

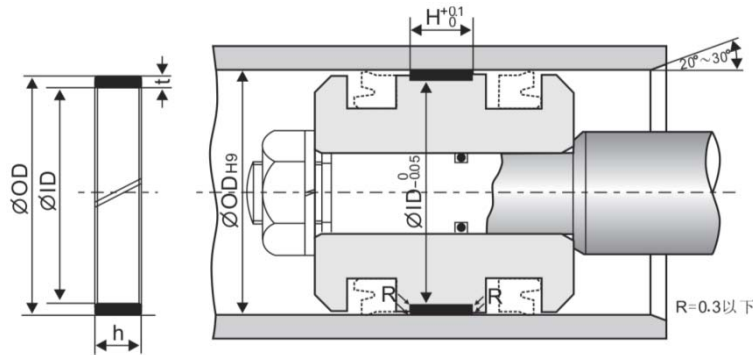
WRNF WEAR RING FOR PISTON & ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	11.250	11.000	0.250	0.125	* WRNF	11.500	11.250	1.500	0.125
* WRNF	11.250	11.000	0.375	0.125	* WRNF	11.750	11.500	0.250	0.125
* WRNF	11.250	11.000	0.500	0.125	* WRNF	11.750	11.500	0.375	0.125
* WRNF	11.250	11.000	0.625	0.125	* WRNF	11.750	11.500	0.500	0.125
* WRNF	11.250	11.000	0.750	0.125	* WRNF	11.750	11.500	0.625	0.125
* WRNF	11.250	11.000	0.875	0.125	* WRNF	11.750	11.500	0.750	0.125
* WRNF	11.250	11.000	1.000	0.125	* WRNF	11.750	11.500	0.875	0.125
* WRNF	11.250	11.000	1.250	0.125	* WRNF	11.750	11.500	1.000	0.125
* WRNF	11.250	11.000	1.500	0.125	* WRNF	12.000	11.750	0.187	0.125
* WRNF	11.500	11.250	0.187	0.125	* WRNF	12.000	11.750	0.250	0.125
* WRNF	11.500	11.250	0.250	0.125	* WRNF	12.000	11.750	0.312	0.125
* WRNF	11.500	11.250	0.312	0.125	* WRNF	12.000	11.750	0.375	0.125
* WRNF	11.500	11.250	0.375	0.125	* WRNF	12.000	11.750	0.500	0.125
* WRNF	11.500	11.250	0.500	0.125	* WRNF	12.000	11.750	0.625	0.125
* WRNF	11.500	11.250	0.625	0.125	* WRNF	12.000	11.750	0.750	0.125
* WRNF	11.500	11.250	0.750	0.125	* WRNF	12.000	11.750	0.875	0.125
* WRNF	11.500	11.250	0.875	0.125	* WRNF	12.000	11.750	1.000	0.125
* WRNF	11.500	11.250	1.000	0.125	* WRNF	12.000	11.750	1.250	0.125
* WRNF	11.500	11.250	1.250	0.125	* WRNF	12.000	11.750	1.500	0.125

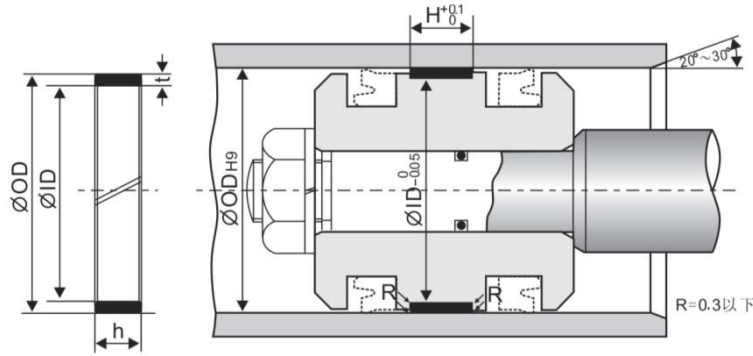
WRNF WEAR RING FOR ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	0.750	0.625	0.187	0.062	* WRNF	1.250	1.125	0.312	0.062
* WRNF	0.750	0.625	0.250	0.062	* WRNF	1.250	1.125	0.375	0.062
* WRNF	0.750	0.625	0.312	0.062	* WRNF	1.250	1.125	0.500	0.062
* WRNF	0.750	0.625	0.375	0.062	* WRNF	1.250	1.125	0.625	0.062
* WRNF	0.750	0.625	0.500	0.062	* WRNF	1.250	1.125	0.750	0.062
* WRNF	0.750	0.625	0.625	0.062	* WRNF	1.250	1.125	0.875	0.062
* WRNF	0.750	0.625	0.750	0.062	* WRNF	1.250	1.125	1.000	0.062
* WRNF	0.750	0.625	0.875	0.062	* WRNF	1.250	1.125	1.250	0.062
* WRNF	0.750	0.625	1.000	0.062	* WRNF	1.375	1.250	0.187	0.062
* WRNF	0.750	0.625	1.250	0.062	* WRNF	1.375	1.250	0.250	0.062
* WRNF	0.875	0.750	0.250	0.062	* WRNF	1.375	1.250	0.312	0.062
* WRNF	0.875	0.750	0.375	0.062	* WRNF	1.375	1.250	0.375	0.062
* WRNF	0.875	0.750	0.500	0.062	* WRNF	1.375	1.250	0.500	0.062
* WRNF	1.000	0.875	0.187	0.062	* WRNF	1.375	1.250	0.625	0.062
* WRNF	1.000	0.875	0.250	0.062	* WRNF	1.375	1.250	0.750	0.062
* WRNF	1.000	0.875	0.312	0.062	* WRNF	1.375	1.250	0.875	0.062
* WRNF	1.000	0.875	0.375	0.062	* WRNF	1.375	1.250	1.000	0.062
* WRNF	1.000	0.875	0.500	0.062	* WRNF	1.375	1.250	1.250	0.062
* WRNF	1.000	0.875	0.625	0.062	* WRNF	1.500	1.375	0.115	0.062
* WRNF	1.000	0.875	0.750	0.062	* WRNF	1.500	1.375	0.187	0.062
* WRNF	1.000	0.875	0.875	0.062	* WRNF	1.500	1.375	0.250	0.062
* WRNF	1.000	0.875	1.000	0.062	* WRNF	1.500	1.375	0.312	0.062
* WRNF	1.000	0.875	1.250	0.062	* WRNF	1.500	1.375	0.375	0.062
* WRNF	1.125	1.000	0.187	0.062	* WRNF	1.500	1.375	0.500	0.062
* WRNF	1.125	1.000	0.250	0.062	* WRNF	1.500	1.375	0.625	0.062
* WRNF	1.125	1.000	0.312	0.062	* WRNF	1.500	1.375	0.750	0.062
* WRNF	1.125	1.000	0.375	0.062	* WRNF	1.500	1.375	0.875	0.062
* WRNF	1.125	1.000	0.500	0.062	* WRNF	1.500	1.375	1.000	0.062
* WRNF	1.125	1.000	0.625	0.062	* WRNF	1.500	1.375	1.250	0.062
* WRNF	1.125	1.000	0.750	0.062	* WRNF	1.625	1.500	0.115	0.062
* WRNF	1.125	1.000	0.875	0.062	* WRNF	1.625	1.500	0.187	0.062
* WRNF	1.125	1.000	1.000	0.062	* WRNF	1.625	1.500	0.250	0.062
* WRNF	1.125	1.000	1.250	0.062	* WRNF	1.625	1.500	0.312	0.062
* WRNF	1.250	1.125	0.187	0.062	* WRNF	1.625	1.500	0.375	0.062
* WRNF	1.250	1.125	0.250	0.062	* WRNF	1.625	1.500	0.500	0.062

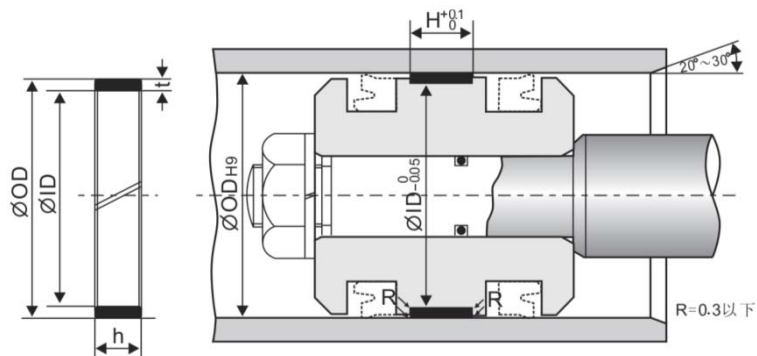
WRNF WEAR RING FOR ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	1.625	1.500	0.625	0.062	* WRNF	2.125	2.000	0.750	0.062
* WRNF	1.625	1.500	0.750	0.062	* WRNF	2.125	2.000	1.000	0.062
* WRNF	1.625	1.500	0.875	0.062	* WRNF	2.250	2.125	0.375	0.062
* WRNF	1.625	1.500	1.000	0.062	* WRNF	2.250	2.125	0.500	0.062
* WRNF	1.625	1.500	1.250	0.062	* WRNF	2.250	2.125	0.750	0.062
WRNF	1.750	1.625	0.115	0.062	* WRNF	2.250	2.125	1.000	0.062
* WRNF	1.750	1.625	0.187	0.062	* WRNF	2.375	2.250	0.187	0.062
* WRNF	1.750	1.625	0.250	0.062	* WRNF	2.375	2.250	0.250	0.062
* WRNF	1.750	1.625	0.312	0.062	* WRNF	2.375	2.250	0.312	0.062
* WRNF	1.750	1.625	0.375	0.062	* WRNF	2.375	2.250	0.375	0.062
* WRNF	1.750	1.625	0.500	0.062	* WRNF	2.375	2.250	0.500	0.062
* WRNF	1.750	1.625	0.625	0.062	* WRNF	2.375	2.250	0.625	0.062
* WRNF	1.750	1.625	0.750	0.062	* WRNF	2.375	2.250	0.750	0.062
* WRNF	1.750	1.625	0.875	0.062	* WRNF	2.375	2.250	0.875	0.062
* WRNF	1.750	1.625	1.000	0.062	WRNF	2.375	2.250	0.980	0.062
* WRNF	1.750	1.625	1.250	0.062	* WRNF	2.375	2.250	1.000	0.062
* WRNF	1.875	1.750	0.115	0.062	* WRNF	2.375	2.250	1.250	0.062
* WRNF	1.875	1.750	0.187	0.062	WRNF	2.375	2.250	1.440	0.062
* WRNF	1.875	1.750	0.250	0.062	* WRNF	2.500	2.375	0.375	0.062
* WRNF	1.875	1.750	0.312	0.062	* WRNF	2.500	2.375	0.500	0.062
* WRNF	1.875	1.750	0.375	0.062	* WRNF	2.500	2.375	0.750	0.062
* WRNF	1.875	1.750	0.500	0.062	* WRNF	2.500	2.375	1.000	0.062
* WRNF	1.875	1.750	0.625	0.062	WRNF	2.500	2.375	1.250	0.062
* WRNF	1.875	1.750	0.750	0.062	WRNF	2.500	2.375	1.500	0.062
* WRNF	1.875	1.750	0.875	0.062	* WRNF	2.625	2.500	0.187	0.062
* WRNF	1.875	1.750	1.000	0.062	* WRNF	2.625	2.500	0.250	0.062
* WRNF	1.875	1.750	1.250	0.062	* WRNF	2.625	2.500	0.312	0.062
* WRNF	2.000	1.875	0.115	0.062	* WRNF	2.625	2.500	0.375	0.062
* WRNF	2.000	1.875	0.250	0.062	* WRNF	2.625	2.500	0.500	0.062
* WRNF	2.000	1.875	0.375	0.062	* WRNF	2.625	2.500	0.625	0.062
* WRNF	2.000	1.875	0.500	0.062	* WRNF	2.625	2.500	0.750	0.062
* WRNF	2.000	1.875	0.750	0.062	* WRNF	2.625	2.500	0.875	0.062
* WRNF	2.000	1.875	1.000	0.062	* WRNF	2.625	2.500	1.000	0.062
* WRNF	2.125	2.000	0.375	0.062	* WRNF	2.625	2.500	1.250	0.062
* WRNF	2.125	2.000	0.500	0.062	* WRNF	2.750	2.625	0.500	0.062

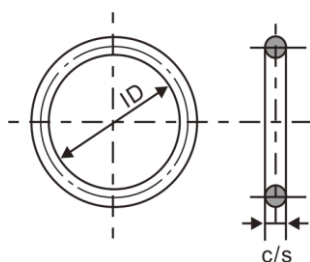
WRNF WEAR RING FOR ROD



APPLICATION	
MATERIAL	NY+FIBER
TEMP.	-58°F~248°F
SPEED	3.2 ft/s

ITEM	OD	ID	h	t	ITEM	OD	ID	h	t
* WRNF	2.750	2.625	0.750	0.062	WRNF	3.125	3.000	1.250	0.062
* WRNF	2.750	2.625	1.000	0.062	WRNF	3.125	3.000	1.480	0.062
* WRNF	2.875	2.750	0.500	0.062	* WRNF	3.250	3.125	0.500	0.062
* WRNF	2.875	2.750	0.750	0.062	* WRNF	3.250	3.125	0.750	0.062
* WRNF	2.875	2.750	1.000	0.062	* WRNF	3.250	3.125	1.000	0.062
* WRNF	3.000	2.875	0.500	0.062	* WRNF	3.375	3.250	0.500	0.062
* WRNF	3.000	2.875	0.750	0.062	* WRNF	3.375	3.250	0.750	0.062
* WRNF	3.000	2.875	1.000	0.062	* WRNF	3.375	3.250	1.000	0.062
* WRNF	3.125	3.000	0.500	0.062	* WRNF	3.500	3.375	0.750	0.062
* WRNF	3.125	3.000	0.750	0.062	* WRNF	3.500	3.375	1.000	0.062
WRNF	3.125	3.000	1.000	0.062					

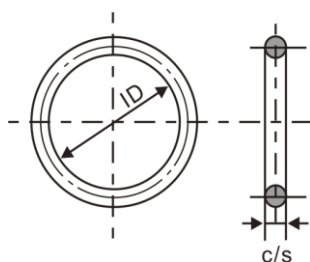
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
001	0.74	1.02	0.005	.029	.040	1/32	3/32	1/32
001 1/2	1.78	1.02	0.007					
002	1.07	1.27	0.009	.042	.050	3/64	9/64	3/64
003	1.42	1.53	0.017	.056	.060	1/16	3/16	1/16
004	1.78	1.78	0.028	.070	.070	5/64	13/64	1/16
005	2.57	1.78	0.034	.101	.070	3/32	7/32	1/16
006	2.9	1.78	0.037	.114	.070	1/8	1/4	1/16
007	3.68	1.78	0.043	.145	.070	5/32	9/32	1/16
008	4.47	1.78	0.049	.176	.070	3/16	5/16	1/16
009	5.28	1.78	0.055	.208	.070	7/32	11/32	1/16
010	6.07	1.78	0.061	.239	.070	1/4	3/8	1/16
011	7.65	1.78	0.074	.301	.070	5/16	7/16	1/16
012	9.25	1.78	0.086	.364	.070	3/8	1/2	1/16
013	10.82	1.78	0.099	.426	.070	7/16	9/16	1/16
014	12.42	1.78	0.111	.489	.070	1/2	5/8	1/16
015	14	1.78	0.123	.551	.070	9/16	11/16	1/16
016	15.6	1.78	0.136	.614	.070	5/8	3/4	1/16
017	17.17	1.78	0.148	.676	.070	11/16	13/16	1/16
018	18.77	1.78	0.161	.739	.070	3/4	7/8	1/16
019	20.35	1.78	0.173	.801	.070	13/16	15/16	1/16
020	21.95	1.78	0.186	.864	.070	7/8	1	1/16
021	23.52	1.78	0.198	.926	.070	15/16	1-1/16	1/16
022	25.12	1.78	0.210	.989	.070	1	1/8	1/16
023	26.7	1.78	0.223	1.051	.070	1-1/16	1-3/16	1/16
024	28.3	1.78	0.235	1.114	.070	1-1/8	1-1/4	1/16
025	29.87	1.78	0.247	1.176	.070	1-3/16	1-5/16	1/16
026	31.47	1.78	0.260	1.239	.070	1-1/4	1-3/8	1/16
027	33.05	1.78	0.272	1.301	.070	1-5/16	1-7/16	1/16
028	34.65	1.78	0.285	1.364	.070	1-3/8	1-1/2	1/16
029	37.82	1.78	0.310	1.489	.070	1-1/2	1-5/8	1/16
030	41	1.78	0.334	1.614	.070	1-5/8	1-3/4	1/16
031	44.17	1.78	0.359	1.739	.070	1-3/4	1-7/8	1/16
032	47.35	1.78	0.384	1.864	.070	1-7/8	2	1/16

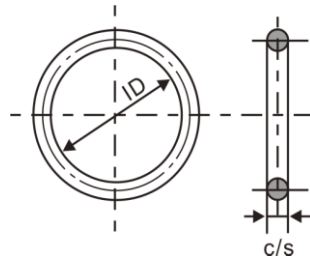
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
033	50.52	1.78	0.409	1.989	.070	2	2-1/8	1/16
034	53.7	1.78	0.434	2.114	.070	2-1/8	2-1/4	1/16
035	56.87	1.78	0.459	2.239	.070	2-1/4	2-3/8	1/16
036	60.05	1.78	0.483	2.364	.070	2-3/8	2-1/2	1/16
037	63.22	1.78	0.508	2.489	.070	2-1/2	2-5/8	1/16
038	66.4	1.78	0.533	2.614	.070	2-5/8	2-3/4	1/16
039	69.57	1.78	0.558	2.739	.070	2-3/4	2-7/8	1/16
040	72.75	1.78	0.583	2.864	.070	2-7/8	3	1/16
041	75.92	1.78	0.607	2.989	.070	3	3-1/8	1/16
042	82.27	1.78	0.657	3.239	.070	3-1/4	3-3/8	1/16
043	88.62	1.78	0.707	3.489	.070	3-1/2	3-5/8	1/16
044	94.97	1.78	0.756	3.739	.070	3-3/4	3-7/8	1/16
045	101.32	1.78	0.806	3.989	.070	4	4-1/8	1/16
046	107.67	1.78	0.856	4.239	.070	4-1/4	4-3/8	1/16
047	114.02	1.78	0.905	4.489	.070	4-1/2	4-5/8	1/16
048	120.37	1.78	0.955	4.739	.070	4-3/4	4-7/8	1/16
049	126.72	1.78	1.005	4.989	.070	5	5-1/8	1/16
050	133.07	1.78	1.054	5.239	.070	5-1/4	5-3/8	1/16
102	1.24	2.62	0.065	.049	.103	1/16	1/4	3/32
103	2.05	2.62	0.079	.081	.103	3/32	9/32	3/32
104	2.84	2.62	0.092	.112	.103	1/8	5/16	3/32
105	3.63	2.62	0.106	.143	.103	5/32	11/32	3/32
106	4.42	2.62	0.119	.174	.103	3/16	3/8	3/32
107	5.23	2.62	0.133	.206	.103	7/32	13/32	3/32
108	6.02	2.62	0.146	.237	.103	1/4	7/16	3/32
109	7.6	2.62	0.173	.299	.103	5/16	1/2	3/32
110	9.19	2.62	0.200	.362	.103	3/8	9/16	3/32
111	10.77	2.62	0.227	.424	.103	7/16	5/8	3/32
112	12.37	2.62	0.254	.487	.103	1/2	11/16	3/32
113	13.95	2.62	0.281	.549	.103	9/16	3/4	3/32
114	15.54	2.62	0.308	.612	.103	5/8	13/16	3/32
115	17.12	2.62	0.334	.674	.103	11/16	7/8	3/32
116	18.72	2.62	0.361	.737	.103	3/4	15/16	3/32

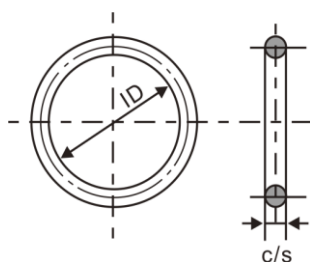
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
117	20.29	2.62	0.388	.799	.103	13/16	1	3/32
118	21.9	2.62	0.415	.862	.103	7/8	1-1/16	3/32
119	23.47	2.62	0.442	.924	.103	15/16	1-1/8	3/32
120	25.07	2.62	0.469	.987	.103	1	1-3/16	3/32
121	26.65	2.62	0.496	1.049	.103	1-1/16	1-1/4	3/32
122	28.25	2.62	0.523	1.112	.103	1-1/8	1-5/16	3/32
123	29.82	2.62	0.549	1.174	.103	1-3/16	1-3/8	3/32
124	31.42	2.62	0.577	1.237	.103	1-1/4	1-7/16	3/32
125	32.99	2.62	0.603	1.299	.103	1-5/16	1-1/2	3/32
126	34.6	2.62	0.630	1.362	.103	1-3/8	1-9/16	3/32
127	36.17	2.62	0.657	1.424	.103	1-7/16	1-5/8	3/32
128	37.77	2.62	0.684	1.487	.103	1-1/12	1-11/16	3/32
129	39.35	2.62	0.711	1.549	.103	1-9/16	1-3/4	3/32
130	40.95	2.62	0.738	1.612	.103	1-5/8	1-13/16	3/32
131	42.52	2.62	0.765	1.674	.103	1-11/16	1-7/8	3/32
132	44.12	2.62	0.792	1.737	.103	1-3/4	1-15/16	3/32
133	45.7	2.62	0.818	1.799	.103	1-13/16	2	3/32
134	47.3	2.62	0.846	1.862	.103	1-7/8	2-1/16	3/32
135	48.9	2.62	0.873	1.925	.103	1-15/16	2-1/8	3/32
136	50.47	2.62	0.899	1.987	.103	2	2-3/16	3/32
137	52.07	2.62	0.926	2.050	.103	2-1/16	2-1/4	3/32
138	53.65	2.62	0.953	2.112	.103	2-1/8	2-5/16	3/32
139	55.25	2.62	0.980	2.175	.103	2-3/16	2-3/8	3/32
140	56.82	2.62	1.007	2.237	.103	2-1/4	2-7/16	3/32
141	58.42	2.62	1.034	2.300	.103	2-5/16	2-1/2	3/32
142	60	2.62	1.061	2.362	.103	2-3/8	2-9/16	3/32
143	61.6	2.62	1.088	2.425	.103	2-7/16	2-5/8	3/32
144	63.17	2.62	1.114	2.487	.103	2-1/2	2-11/16	3/32
145	64.7	2.62	1.140	2.550	.103	2-9/16	2-3/4	3/32
146	66.3	2.62	1.167	2.612	.103	2-5/8	2-13/16	3/32
147	67.9	2.62	1.194	2.675	.103	2-11/16	2-7/8	3/32
148	69.5	2.62	1.222	2.737	.103	2-3/4	2-15/16	3/32
149	71.1	2.62	1.249	2.800	.103	2-13/16	3	3/32

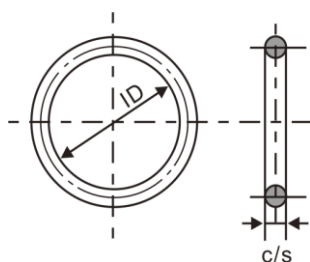
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
150	72.7	2.62	1.276	2.862	.103	2-7/8	3-1/16	3/32
151	75.87	2.62	1.329	2.987	.103	3	3-3/16	3/32
152	82.22	2.62	1.437	3.237	.103	3-1/4	3-7/16	3/32
153	88.57	2.62	1.545	3.487	.103	3-1/2	3-11/16	3/32
154	94.92	2.62	1.652	3.737	.103	3-3/4	3-15/16	3/32
155	101.2	2.62	1.758	3.987	.103	4	4-3/16	3/32
156	107.62	2.62	1.867	4.237	.103	4-1/4	4-7/16	3/32
157	113.9	2.62	1.974	4.487	.103	4-1/2	4-11/16	3/32
158	120.3	2.62	2.082	4.737	.103	4-3/4	4-15/16	3/32
159	126.6	2.62	2.189	4.987	.103	5	5-3/16	3/32
160	133.02	2.62	2.297	5.237	.103	5-1/4	5-7/16	3/32
161	139.37	2.62	2.405	5.487	.103	5-1/2	5-11/16	3/32
162	145.7	2.62	2.512	5.737	.103	5-3/4	5-15/16	3/32
163	152	2.62	2.619	5.987	.103	6	6-3/16	3/32
164	158.42	2.62	2.728	6.237	.103	6-1/4	6-7/16	3/32
165	164.7	2.62	2.834	6.487	.103	6-1/2	6-11/16	3/32
166	171.1	2.62	2.942	6.737	.103	6-3/4	6-15/16	3/32
167	177.4	2.62	3.049	6.987	.103	7	7-3/16	3/32
168	183.8	2.62	3.157	7.237	.103	7-1/4	7-7/16	3/32
169	190.1	2.62	3.264	7.487	.103	7-1/2	7-11/16	3/32
170	196.5	2.62	3.373	7.737	.103	7-3/4	7-15/16	3/32
171	202.8	2.62	3.479	7.987	.103	8	8-3/16	3/32
172	209.2	2.62	3.588	8.237	.103	8-1/4	8-7/16	3/32
173	215.5	2.62	3.694	8.487	.103	8-1/2	8-11/16	3/32
174	221.9	2.62	3.803	8.737	.103	8-3/4	8-15/16	3/32
175	228.6	2.62	3.916	8.987	.103	9	9-3/16	3/32
176	234.6	2.62	4.018	9.237	.103	9-1/4	9-7/16	3/32
177	240.9	2.62	4.125	9.487	.103	9-1/2	9-11/16	3/32
178	247.3	2.62	4.233	9.737	.103	9-3/4	9-15/16	3/32
201	4.34	3.53	0.242	.171	.139	3/16	7/16	1/8
202	5.94	3.53	0.291	.234	.139	1/4	1/2	1/8
203	7.52	3.53	0.340	.296	.139	5/16	9/16	1/8
204	9.12	3.53	0.389	.359	.139	3/8	5/8	1/8

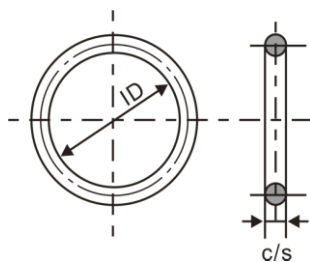
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
205	10.69	3.53	0.437	.421	.139	7/16	11/16	1/8
206	12.29	3.53	0.486	.484	.139	1/2	3/4	1/8
207	13.87	3.53	0.535	.546	.139	9/16	13/16	1/8
208	15.47	3.53	0.584	.609	.139	5/8	7/8	1/8
209	17.04	3.53	0.632	.671	.139	11/16	15/16	1/8
210	18.64	3.53	0.682	.734	.139	3/4	1	1/8
211	20.22	3.53	0.730	.796	.139	13/16	1-1/16	1/8
212	21.82	3.53	0.779	.859	.139	7/8	1-1/8	1/8
213	23.4	3.53	0.828	.921	.139	15/16	1-3/16	1/8
214	24.99	3.53	0.877	.984	.139	1	1-1/4	1/8
215	26.57	3.53	0.925	1.046	.139	1-1/16	1-5/16	1/8
216	28.17	3.53	0.975	1.109	.139	1-1/8	1-3/8	1/8
217	29.75	3.53	1.023	1.171	.139	1-3/16	1-7/16	1/8
218	31.34	3.53	1.072	1.234	.139	1-1/4	1-1/2	1/8
219	32.92	3.53	1.121	1.296	.139	1-5/16	1-9/16	1/8
220	34.52	3.53	1.170	1.359	.139	1-3/8	1-5/8	1/8
221	36.1	3.53	1.218	1.421	.139	1-7/16	1-11/16	1/8
222	37.69	3.53	1.267	1.484	.139	1-1/2	1-3/4	1/8
223	40.87	3.53	1.365	1.609	.139	1-5/8	1-7/8	1/8
224	44.05	3.53	1.463	1.734	.139	1-3/4	2	1/8
225	47.22	3.53	1.560	1.859	.139	1-7/8	2-1/8	1/8
226	50.4	3.53	1.658	1.984	.139	2	2-1/4	1/8
227	53.57	3.53	1.756	2.109	.139	2-1/16	2-3/8	1/8
228	56.74	3.53	1.853	2.234	.139	2-1/4	2-1/2	1/8
229	59.92	3.53	1.951	2.359	.139	2-3/8	2-5/8	1/8
230	63.1	3.53	2.049	2.484	.139	2-1/2	2-3/4	1/8
231	66.27	3.53	2.146	2.609	.139	2-5/8	2-7/8	1/8
232	69.44	3.53	2.244	2.734	.139	2-3/4	3	1/8
233	72.62	3.53	2.341	2.859	.139	2-7/8	3-1/8	1/8
234	75.79	3.53	2.439	2.984	.139	3	3-1/4	1/8
235	78.97	3.53	2.537	3.109	.139	3-1/8	3-3/8	1/8
236	82.14	3.53	2.634	3.234	.139	3-1/4	3-1/2	1/8
237	85.32	3.53	2.732	3.359	.139	3-3/8	3-5/8	1/8

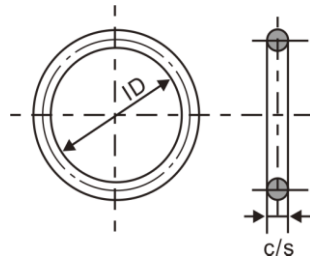
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
238	88.49	3.53	2.829	3.484	.139	3-1/2	3-3/4	1/8
239	91.67	3.53	2.927	3.609	.139	3-5/8	3-7/8	1/8
240	94.84	3.53	3.025	3.734	.139	3-3/4	4	1/8
241	98.02	3.53	3.122	3.859	.139	3-7/8	4-1/8	1/8
242	101.19	3.53	3.220	3.984	.139	4	4-1/4	1/8
243	104.37	3.53	3.318	4.109	.139	4-1/8	4-3/8	1/8
244	107.54	3.53	3.415	4.234	.139	4-1/4	4-1/2	1/8
245	110.72	3.53	3.513	4.359	.139	4-3/8	4-5/8	1/8
246	113.89	3.53	3.610	4.484	.139	4-1/2	4-3/4	1/8
247	117.07	3.53	3.708	4.609	.139	4-5/8	4-7/8	1/8
248	120.24	3.53	3.805	4.734	.139	4-3/4	5	1/8
249	123.42	3.53	3.903	4.859	.139	4-7/8	5-1/8	1/8
250	126.59	3.53	4.001	4.984	.139	5	5-1/4	1/8
251	129.77	3.53	4.098	5.109	.139	5-1/8	5-3/8	1/8
252	132.94	3.53	4.196	5.234	.139	5-1/4	5-1/2	1/8
253	136.12	3.53	4.294	5.359	.139	5-3/8	5-5/8	1/8
254	139.3	3.53	4.391	5.484	.139	5-1/2	5-3/4	1/8
255	142.47	3.53	4.489	5.609	.139	5-5/8	5-7/8	1/8
256	145.65	3.53	4.587	5.734	.139	5-3/4	6	1/8
257	148.82	3.53	4.684	5.859	.139	5-7/8	6-1/8	1/8
258	152	3.53	4.782	5.984	.139	6	6-1/4	1/8
259	158.35	3.53	4.977	6.234	.139	6-1/4	6-1/2	1/8
260	164.7	3.53	5.172	6.484	.139	6-1/2	6-3/4	1/8
261	171.05	3.53	5.368	6.734	.139	6-3/4	7	1/8
262	177.4	3.53	5.563	6.984	.139	7	7-1/4	1/8
263	183.75	3.53	5.758	7.234	.139	7-1/4	7-1/2	1/8
264	190.09	3.53	5.953	7.484	.139	7-1/2	7-3/4	1/8
265	196.45	3.53	6.149	7.734	.139	7-3/4	8	1/8
266	202.8	3.53	6.344	7.984	.139	8	8-1/4	1/8
267	209.15	3.53	6.539	8.234	.139	8-1/4	8-1/2	1/8
268	215.5	3.53	6.734	8.484	.139	8-1/2	8-3/4	1/8
269	221.85	3.53	6.930	8.734	.139	8-3/4	9	1/8
270	228.2	3.53	7.125	8.984	.139	9	9-1/4	1/8

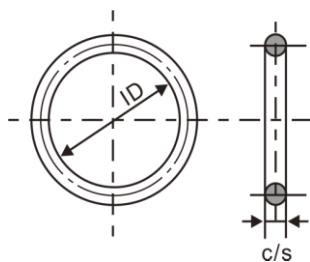
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
271	234.55	3.53	7.320	9.234	.139	9-1/4	9-1/2	1/8
272	240.9	3.53	7.515	9.484	.139	9-1/2	9-3/4	1/8
273	247.25	3.53	7.711	9.734	.139	9-3/4	10	1/8
274	253.6	3.53	7.906	9.984	.139	10	10-1/4	1/8
275	266.3	3.53	8.296	10.484	.139	10-1/2	10-3/4	1/8
276	279	3.53	8.687	10.984	.139	11	11-1/4	1/8
277	291.7	3.53	9.077	11.484	.139	11-1/2	11-3/4	1/8
278	304.39	3.53	9.467	11.984	.139	12	12-1/4	1/8
279	329.8	3.53	10.249	12.984	.139	13	13-1/4	1/8
280	355.2	3.53	11.030	13.984	.139	14	14-1/4	1/8
281	380.6	3.53	11.811	14.984	.139	15	15-1/4	1/8
282	405.26	3.53	12.569	15.955	.139	16	16-1/4	1/8
283	430.66	3.53	13.350	16.955	.139	17	17-1/4	1/8
284	456.06	3.53	14.131	17.955	.139	18	18-1/4	1/8
309	10.46	5.33	1.107	.412	.210	7/16	13/16	3/16
310	12.07	5.33	1.220	.475	.210	1/2	7/8	3/16
311	13.64	5.33	1.330	.537	.210	9/16	15/16	3/16
312	15.24	5.33	1.442	.600	.210	5/8	1	3/16
313	16.81	5.33	1.552	.662	.210	11/16	1-1/16	3/16
314	18.42	5.33	1.665	.725	.210	3/4	1-1/8	3/16
315	19.99	5.33	1.775	.787	.210	13/16	1-3/16	3/16
316	21.59	5.33	1.887	.850	.210	7/8	1-1/4	3/16
317	23.16	5.33	1.997	.912	.210	15/16	1-5/16	3/16
318	24.77	5.33	2.110	.975	.210	1	1-3/8	3/16
319	26.34	5.33	2.220	1.037	.210	1-1/16	1-7/16	3/16
320	27.94	5.33	2.332	1.100	.210	1-1/8	1-1/2	3/16
321	29.51	5.33	2.442	1.162	.210	1-3/16	1-9/16	3/16
322	31.12	5.33	2.555	1.225	.210	1-1/4	1-5/8	3/16
323	32.69	5.33	2.665	1.287	.210	1-5/16	1-11/16	3/16
324	34.29	5.33	2.777	1.350	.210	1-3/8	1-3/4	3/16
325	37.46	5.33	2.999	1.475	.210	1-1/2	1-7/8	3/16
326	40.65	5.33	3.223	1.600	.210	1-5/8	2	3/16
327	43.82	5.33	3.445	1.725	.210	1-3/4	2-1/8	3/16

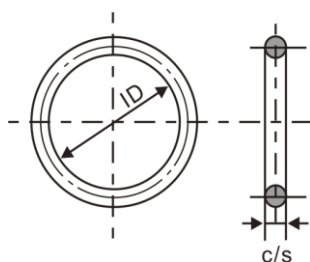
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
328	46.99	5.33	3.667	1.850	.210	1-7/8	2-1/4	3/16
329	50.16	5.33	3.890	1.975	.210	2	2-3/8	3/16
330	53.34	5.33	4.113	2.100	.210	2-1/8	2-1/2	3/16
331	56.52	5.33	4.335	2.225	.210	2-1/4	2-5/8	3/16
332	59.69	5.33	4.558	2.350	.210	2-3/8	2-3/4	3/16
333	62.87	5.33	4.781	2.475	.210	2-1/2	2-7/8	3/16
334	66.04	5.33	5.003	2.600	.210	2-5/8	3	3/16
335	69.22	5.33	5.226	2.725	.210	2-3/4	3-1/8	3/16
336	72.39	5.33	5.448	2.850	.210	2-7/8	3-1/4	3/16
337	75.60	5.33	5.673	2.975	.210	3	3-3/8	3/16
338	78.74	5.33	5.893	3.100	.210	3-1/8	3-1/2	3/16
339	81.92	5.33	6.116	3.225	.210	3-1/4	3-5/8	3/16
340	85.09	5.33	6.338	3.350	.210	3-3/8	3-3/4	3/16
341	88.27	5.33	6.561	3.475	.210	3-1/2	3-7/8	3/16
342	91.44	5.33	6.783	3.600	.210	3-5/8	4	3/16
343	94.62	5.33	7.006	3.725	.210	3-3/4	4-1/8	3/16
344	97.79	5.33	7.228	3.850	.210	3-7/8	4-1/4	3/16
345	100.96	5.33	7.451	3.975	.210	4	4-3/8	3/16
346	104.14	5.33	7.673	4.100	.210	4-1/8	4-1/2	3/16
347	107.32	5.33	7.896	4.225	.210	4-1/4	4-5/8	3/16
348	110.49	5.33	8.119	4.350	.210	4-3/8	4-3/4	3/16
349	113.67	5.33	8.341	4.475	.210	4-1/2	4-7/8	3/16
350	116.84	5.33	8.564	4.600	.210	4-5/8	5	3/16
351	120.02	5.33	8.787	4.725	.210	4-3/4	5-1/8	3/16
352	123.19	5.33	9.009	4.850	.210	4-7/8	5-1/4	3/16
353	126.37	5.33	9.232	4.975	.210	5	5-3/8	3/16
354	129.54	5.33	9.454	5.100	.210	5-1/8	5-1/2	3/16
355	132.72	5.33	9.677	5.225	.210	5-1/4	5-5/8	3/16
356	135.89	5.33	9.899	5.350	.210	5-3/8	5-3/4	3/16
357	139.07	5.33	10.122	5.475	.210	5-1/2	5-7/8	3/16
358	142.24	5.33	10.344	5.600	.210	5-5/8	6	3/16
359	145.42	5.33	10.567	5.725	.210	5-3/4	6-1/8	3/16
360	148.59	5.33	10.789	5.850	.210	5-7/8	6-1/4	3/16

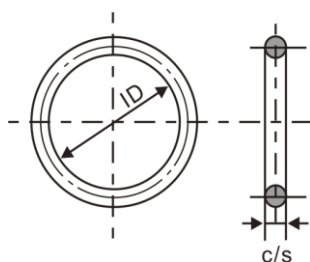
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
361	151.77	5.33	11.012	5.975	.210	6	6-3/8	3/16
362	158.12	5.33	11.457	6.225	.210	6-1/4	6-5/8	3/16
363	164.47	5.33	11.902	6.475	.210	6-1/2	6-7/8	3/16
364	170.82	5.33	12.347	6.725	.210	6-3/4	7-1/8	3/16
365	177.17	5.33	12.793	6.975	.210	7	7-3/8	3/16
366	183.52	5.33	13.238	7.225	.210	7-1/4	7-5/8	3/16
367	189.87	5.33	13.683	7.475	.210	7-1/2	7-7/8	3/16
368	196.22	5.33	14.128	7.725	.210	7-3/4	8-1/8	3/16
369	202.57	5.33	14.573	7.975	.210	8	8-3/8	3/16
370	208.92	5.33	15.018	8.225	.210	8-1/4	8-5/8	3/16
371	215.27	5.33	15.463	8.475	.210	8-1/2	8-7/8	3/16
372	221.62	5.33	15.908	8.725	.210	8-3/4	9-1/8	3/16
373	227.97	5.33	16.354	8.975	.210	9	9-3/8	3/16
374	234.32	5.33	16.799	9.225	.210	9-1/4	9-5/8	3/16
375	240.67	5.33	17.244	9.475	.210	9-1/2	9-7/8	3/16
376	247.02	5.33	17.689	9.725	.210	9-3/4	10-1/8	3/16
377	253.37	5.33	18.134	9.975	.210	10	10-3/8	3/16
378	266.07	5.33	19.024	10.475	.210	10-1/2	10-7/8	3/16
379	278.77	5.33	19.914	10.975	.210	11	11-3/8	3/16
380	291.47	5.33	20.805	11.475	.210	11-1/2	11-7/8	3/16
381	304.17	5.33	21.695	11.975	.210	12	12-3/8	3/16
382	329.55	5.33	23.474	12.975	.210	13	13-3/8	3/16
383	354.97	5.33	25.256	13.975	.210	14	14-3/8	3/16
384	380.37	5.33	27.036	14.975	.210	15	15-3/8	3/16
385	405.26	5.33	28.781	15.955	.210	16	16-3/8	3/16
386	430.65	5.33	30.561	16.955	.210	17	17-3/8	3/16
387	456.06	5.33	32.342	17.955	.210	18	18-3/8	3/16
388	481.46	5.33	34.122	18.955	.210	19	19-3/8	3/16
389	506.85	5.33	35.902	19.955	.210	20	20-3/8	3/16
390	532.25	5.33	37.682	20.955	.210	21	21-3/8	3/16
391	557.65	5.33	39.463	21.955	.210	22	22-3/8	3/16
392	582.65	5.33	41.215	22.940	.210	23	23-3/8	3/16
393	608.1	5.33	42.999	23.940	.210	24	24-3/8	3/16

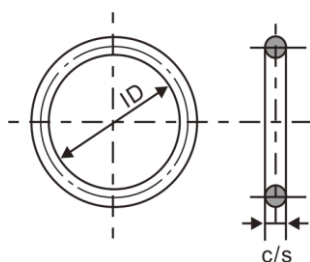
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
394	633.5	5.33	44.780	24.940	.210	25	25-3/8	3/16
395	658.88	5.33	46.559	25.940	.210	26	26-3/8	3/16
	57	6.98	7.691					
	62	6.98	8.292					
	67	6.98	8.893					
	72	6.98	9.494					
	77	6.98	10.096					
	82	6.98	10.697					
	87	6.98	11.298					
	92	6.98	11.899					
	97	6.98	12.500					
	102	6.98	13.101					
	107	6.98	13.702					
	112	6.98	14.303					
417	88.27	6.99	11.484					
420	97.79	6.98	12.595					
425	113.66	6.98	14.503					
426	116.84	6.98	14.885	4.600	.275	4-5/8	5-1/8	1/4
427	120.02	6.98	15.267	4.725	.275	4-3/4	5-1/4	1/4
428	123.19	6.98	15.648	4.850	.275	4-7/8	5-3/8	1/4
429	126.36	6.98	16.029	4.975	.275	5	5-1/2	1/4
430	129.54	6.98	16.412	5.100	.275	5-1/8	5-5/8	1/4
431	132.72	6.98	16.794	5.225	.275	5-1/4	5-3/4	1/4
432	135.89	6.98	17.175	5.350	.275	5-3/8	5-7/8	1/4
433	139.06	6.98	17.556	5.475	.275	5-1/2	6	1/4
434	142.24	6.98	17.938	5.600	.275	5-5/8	6-1/8	1/4
435	145.42	6.98	18.321	5.725	.275	5-3/4	6-1/4	1/4
	147	6.98	18.510					
436	148.59	6.98	18.702	5.850	.275	5-7/8	6-3/8	1/4
437	151.76	6.98	19.083	5.975	.275	6	6-1/2	1/4
438	158.12	6.98	19.847	6.225	.275	6-1/4	6-3/4	1/4
439	164.46	6.98	20.609	6.475	.275	6-1/2	7	1/4
	167	6.98	20.915					

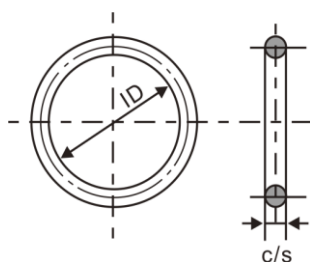
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
440	170.82	6.98	21.374	6.725	.275	6-3/4	7-1/4	1/4
441	177.16	6.98	22.136	6.975	.275	7	7-1/2	1/4
442	183.52	6.98	22.901	7.225	.275	7-1/4	7-3/4	1/4
443	189.86	6.98	23.663	7.475	.275	7-1/2	8	1/4
444	196.22	6.98	24.427	7.725	.275	7-3/4	8-1/4	1/4
445	202.56	6.98	25.190	7.975	.275	8	8-1/2	1/4
446	215.26	6.98	26.716	8.475	.275	8-1/2	9	1/4
447	227.96	6.98	28.243	8.975	.275	9	9-1/2	1/4
448	240.67	6.98	29.771	9.475	.275	9-1/2	10	1/4
449	253.36	6.98	31.296	9.975	.275	10	10-1/2	1/4
450	266.06	6.98	32.823	10.475	.275	10-1/2	11	1/4
451	278.76	6.98	34.350	10.975	.275	11	11-1/2	1/4
452	291.47	6.98	35.878	11.475	.275	11	12	1/4
453	304.16	6.98	37.403	11.975	.275	12	12-1/2	1/4
454	316.87	6.98	38.931	12.475	.275	12-1/2	13	1/4
455	329.56	6.98	40.457	12.975	.275	13	13-1/2	1/4
456	342.27	6.98	41.985	13.475	.275	13-1/2	14	1/4
457	354.96	6.98	43.510	13.975	.275	14	14-1/2	1/4
458	367.66	6.98	45.037	14.475	.275	14-1/2	15	1/4
459	380.36	6.98	46.563	14.975	.275	15	15-1/2	1/4
460	393.07	6.98	48.091	15.475	.275	15-1/2	16	1/4
461	405.26	6.98	49.557	15.955	.275	16	16-1/2	1/4
462	417.96	6.98	51.083	16.455	.275	16-1/2	17	1/4
463	430.66	6.98	52.610	16.955	.275	17	17-1/2	1/4
464	443.36	6.98	54.137	17.455	.275	17-1/2	18	1/4
465	456.06	6.98	55.664	17.955	.275	18	18-1/2	1/4
466	468.76	6.98	57.190	18.455	.275	18-1/2	19	1/4
467	481.46	6.98	58.717	18.955	.275	19	19-1/2	1/4
468	494.16	6.98	60.244	19.455	.275	19-1/2	20	1/4
469	506.86	6.98	61.770	19.955	.275	20	20-1/2	1/4
470	532.26	6.98	64.824	20.955	.275	21	21-1/2	1/4
471	557.65	6.98	67.876	21.955	.275	22	22-1/2	1/4
472	582.68	6.98	70.885	22.940	.275	23	23-1/2	1/4

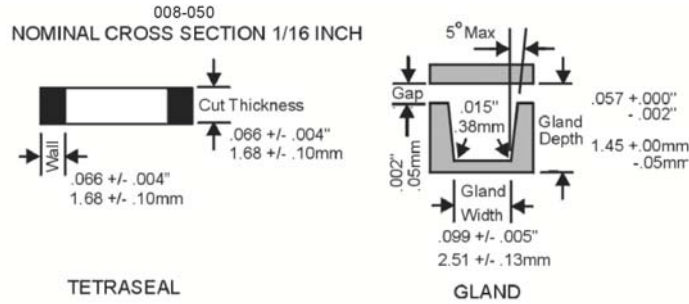
O-RING—AS



MATERIAL	
NBR	FKM
HNBR	SILICONE

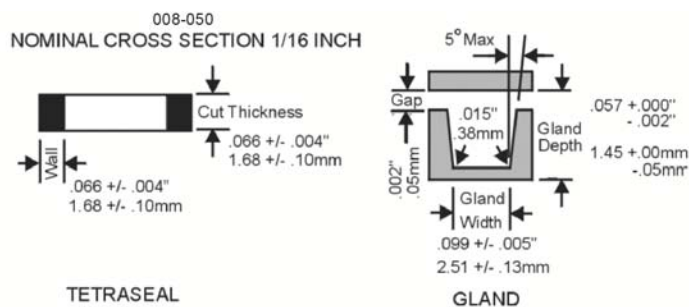
ITEM	Actual Size Metric (mm)			Actual Size Inch		Nominal Size		
	ID	C/S	VOL (cm ³)	ID	C/S	ID	C/S	W
473	608.08	6.98	73.938	23.940	.275	24	24-1/2	1/4
474	633.50	6.98	76.994	24.940	.275	25	25-1/2	1/4
475	658.88	6.98	80.045	25.940	.275	26	26-1/2	1/4
901	4.7	1.42	0.030	.056	.0019		3/32	
902	6.07	1.63	0.050	.005	.0031		1/8	
903	7.65	1.63	0.061	.064	.0037		3/16	
904	8.92	1.83	0.089	.072	.0055		1/4	
905	10.52	1.83	0.102	.072	.0063		5/16	
906	11.89	1.98	0.134	.078	.0082		3/8	
907	13.46	2.08	0.166	.082	.0102		7/16	
908	16.36	2.21	0.224	.087	.0137		1/2	
909	17.94	2.46	0.305	.097	.0187		9/16	
910	19.18	2.46	0.323	.097	.0198		5/8	
911	21.92	2.95	0.534	.116	.0326		11/16	
912	23.47	2.95	0.567	.116	.0346		3/4	
913	25.04	2.95	0.601	.116	.0366		13/16	
914	26.6	2.95	0.635	.116	.0387		7/8	
916	29.74	2.95	0.702	.116	.0428		1	
918	34.42	2.95	0.802	.116	.0489		1-1/8	
920	37.46	3	0.898	.118	.0548		1-1/4	
924	43.68	3	1.037	.118	.0632		1-1/2	
928	53.09	3	1.246	.118	.0759		1-3/4	
932	59.36	3	1.385	.118	.0844		2	

SQUARE RING-AS-568 SERIES (SQ)



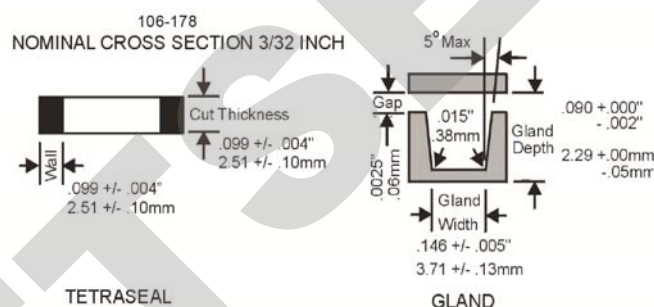
ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
008	3/16	5/16	0.176	0.005	4.47	0.13
009	7/32	11/32	0.208	0.005	5.28	0.13
010	1/4	3/8	0.239	0.005	6.07	0.13
011	5/16	7/16	0.301	0.005	7.65	0.13
012	3/8	1/2	0.364	0.005	9.25	0.13
013	7/16	9/16	0.426	0.005	10.82	0.13
014	1/2	5/8	0.489	0.005	12.42	0.13
015	9/16	11/16	0.551	0.005	14	0.13
016	5/8	3/4	0.614	0.005	15.6	0.13
017	11/16	13/16	0.676	0.006	17.17	0.15
018	3/4	7/8	0.739	0.006	18.77	0.15
019	13/16	15/16	0.801	0.006	20.35	0.15
020	7/8	1	0.864	0.006	21.95	0.15
021	15/16	1 1/16	0.926	0.007	23.52	0.18
022	1	1 1/8	0.989	0.007	25.12	0.18
023	1 1/16	1 3/16	1.051	0.007	26.7	0.18
024	1 1/8	1 1/4	1.114	0.007	28.3	0.18
025	1 3/16	1 5/16	1.176	0.008	29.87	0.2
026	1 1/4	1 3/8	1.239	0.008	31.47	0.2
027	1 5/16	1 7/16	1.301	0.008	33.05	0.2
028	1 3/8	1 1/2	1.364	0.008	34.65	0.2
029	1 1/2	1 5/8	1.489	0.009	37.82	0.23
030	1 5/8	1 3/4	1.614	0.009	41	0.23
031	1 3/4	1 7/8	1.739	0.01	44.17	0.25
032	1 7/8	2	1.864	0.01	47.35	0.25
033	2	2 1/8	1.989	0.011	50.52	0.28
034	2 1/8	2 1/4	2.114	0.011	53.7	0.28
035	2 1/4	2 3/8	2.239	0.012	56.87	0.3
036	2 3/8	2 1/2	2.364	0.012	60.05	0.3
037	2 1/2	2 5/8	2.489	0.013	63.22	0.33
038	2 5/8	2 3/4	2.614	0.013	66.4	0.33
039	2 3/4	2 7/8	2.739	0.014	69.57	0.36
040	2 7/8	3	2.864	0.014	72.75	0.36
041	3	3 1/8	2.989	0.015	75.92	0.38

SQUARE RING-AS-568 SERIES (SQ)



NBR70

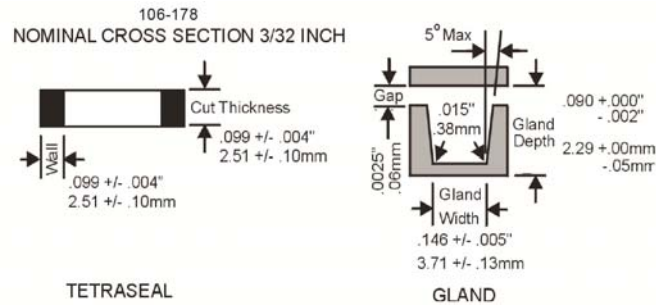
ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
042	3 1/4	3 3/8	3.239	0.016	82.27	0.41
043	3 1/2	3 5/8	3.489	0.017	88.62	0.43
044	3 3/4	3 7/8	3.739	0.018	94.97	0.46
045	4	4 1/4	3.989	0.019	101.32	0.48
046	4 1/4	4 3/8	4.239	0.02	107.67	0.51
047	4 1/2	4 5/8	4.489	0.021	114.02	0.53
048	4 3/4	4 7/8	4.739	0.022	120.37	0.56
049	5	5 1/8	4.989	0.023	126.72	0.58
050	5 1/4	5 3/8	5.239	0.024	133.07	0.61



NBR70

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
106	3/16	3/8	0.174	0.005	4.42	0.13
107	7/32	13/32	0.206	0.005	5.23	0.13
108	1/4	7/16	0.237	0.005	6.02	0.13
109	5/16	1/2	0.299	0.005	7.59	0.13
110	3/8	9/16	0.362	0.005	9.19	0.13
111	7/16	5/8	0.424	0.005	10.77	0.13
112	1/2	11/16	0.487	0.005	12.37	0.13
113	9/16	3/4	0.549	0.005	13.94	0.13
114	5/8	13/16	0.612	0.005	15.54	0.13
115	11/16	7/8	0.674	0.006	17.12	0.15
116	3/4	15/16	0.737	0.006	18.72	0.15
117	13/16	1	0.799	0.006	20.29	0.15

SQUARE RING-AS-568 SERIES (SQ)



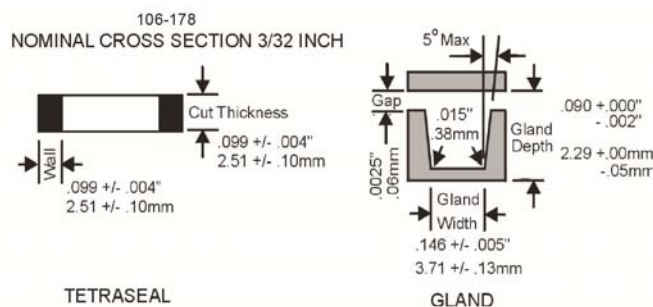
106~178

W/T:2.51 (mm)

NBR70

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
118	7/8	1 1/16	0.862	0.006	21.89	0.15
119	15/16	1 1/8	0.924	0.007	23.47	0.18
120	1	1 3/16	0.987	0.007	25.07	0.18
121	1 1/16	1 1/4	1.049	0.007	26.64	0.18
122	1 1/8	1 5/16	1.112	0.007	28.24	0.18
123	1 3/16	1 3/8	1.174	0.008	29.82	0.2
124	1 1/4	1 7/16	1.237	0.008	31.42	0.2
125	1 5/16	1 1/2	1.299	0.008	32.99	0.2
126	1 3/8	1 9/16	1.362	0.008	34.59	0.2
127	1 7/16	1 5/8	1.424	0.009	36.17	0.23
128	1 1/2	1 11/16	1.487	0.009	37.77	0.23
129	1 9/16	1 3/4	1.549	0.009	39.34	0.23
130	1 5/8	1 13/16	1.612	0.009	40.94	0.23
131	1 11/16	1 7/8	1.674	0.01	42.52	0.25
132	1 3/4	1 15/16	1.737	0.01	44.12	0.25
133	1 13/16	2	1.799	0.01	45.69	0.25
134	1 7/8	2 1/16	1.862	0.01	47.29	0.25
135	1 15/16	2 1/8	1.925	0.011	48.9	0.28
136	2	2 3/16	1.987	0.011	50.47	0.28
137	2 1/16	2 1/4	2.05	0.011	52.07	0.28
138	2 1/8	2 5/16	2.112	0.011	53.64	0.28
139	2 3/16	2 3/8	2.175	0.012	55.25	0.3
140	2 1/4	2 7/16	2.237	0.012	56.82	0.3
141	2 5/16	2 1/2	2.3	0.012	58.42	0.3
142	2 3/8	2 9/16	2.362	0.012	60	0.3
143	2 7/16	2 5/8	2.425	0.013	61.6	0.33
144	2 1/2	2 11/16	2.487	0.013	63.17	0.33
145	2 9/16	2 3/4	2.55	0.013	64.77	0.33
146	2 5/8	2 13/16	2.612	0.013	66.34	0.33
147	2 11/16	2 7/8	2.675	0.014	67.95	0.36
148	2 3/4	2 3/4	2.737	0.014	69.52	0.36
149	2 13/16	3	2.8	0.014	71.12	0.36
150	2 7/8	3 1/16	2.862	0.014	72.69	0.36
151	3	3 3/16	2.987	0.015	75.87	0.38

SQUARE RING-AS-568 SERIES (SQ)



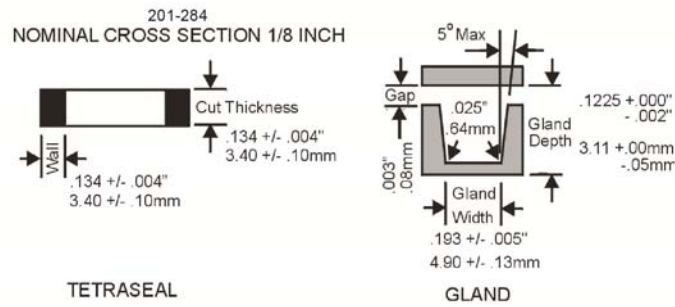
NBR70

106~178

W/T:2.51 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
152	3 1/4	3 7/16	3.237	0.016	82.22	0.41
153	3 1/2	3 11/16	3.487	0.017	88.57	0.43
154	3 3/4	3 15/16	3.737	0.018	94.92	0.46
155	4	4 3/16	3.987	0.019	101.27	0.48
156	4 1/4	4 7/16	4.237	0.02	107.62	0.51
157	4 1/2	4 11/16	4.487	0.021	113.97	0.53
158	4 3/4	4 15/16	4.737	0.022	120.32	0.56
159	5	5 3/16	4.987	0.023	126.67	0.58
160	5 1/4	5 7/16	5.237	0.024	133.02	0.61
161	5 1/2	5 11/16	5.487	0.025	139.37	0.64
162	5 3/4	5 15/16	5.737	0.026	145.72	0.66
163	6	6 3/16	5.987	0.027	152.07	0.69
164	6 1/4	6 7/16	6.237	0.028	158.42	0.71
165	6 1/2	6 11/16	6.487	0.029	164.77	0.74
166	6 3/4	6 15/16	6.737	0.03	171.12	0.76
167	7	7 3/16	6.987	0.031	177.47	0.79
168	7 1/4	7 7/16	7.237	0.032	183.82	0.81
169	7 1/2	7 11/16	7.487	0.033	190.17	0.84
170	7 3/4	7 15/16	7.737	0.034	196.52	0.86
171	8	8 3/16	7.987	0.035	202.87	0.89
172	8 1/4	8 7/16	8.237	0.036	209.22	0.91
173	8 1/2	8 11/16	8.487	0.037	215.57	0.94
174	8 3/4	8 15/16	8.737	0.038	221.92	0.97
175	9	9 3/16	8.987	0.039	228.27	0.99
176	9 1/4	9 7/16	9.237	0.04	234.62	1.02
177	9 1/2	9 11/16	9.487	0.041	240.97	1.04
178	9 3/4	9 15/16	9.737	0.042	247.32	1.07

SQUARE RING-AS-568 SERIES (SQ)



201~284

TETRASEAL

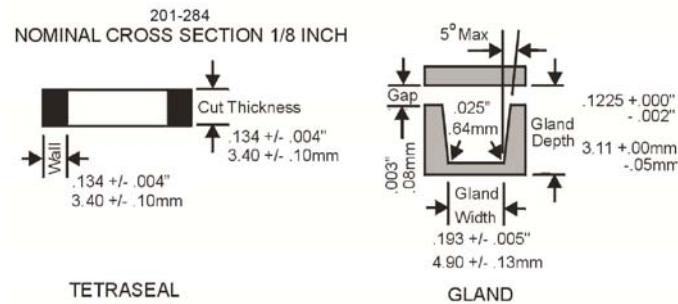
GLAND

NBR70

W/T:3.40 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
201	3/16	7/16	0.171	0.005	4.34	0.13
202	1/4	1/2	0.234	0.005	5.94	0.13
203	5/16	9/16	0.296	0.005	7.52	0.13
204	3/8	5/8	0.359	0.005	9.12	0.13
205	7/16	11/16	0.421	0.005	10.69	0.13
206	1/2	3/4	0.484	0.005	12.29	0.13
207	9/16	13/16	0.546	0.005	13.87	0.13
208	5/8	7/8	0.609	0.005	15.47	0.13
209	11/16	15/16	0.671	0.006	17.04	0.15
210	3/4	1	0.734	0.006	18.64	0.15
211	13/16	1 1/16	0.796	0.006	20.22	0.15
212	7/8	1 1/8	0.859	0.006	21.82	0.15
213	15/16	1 3/16	0.921	0.007	23.39	0.18
214	1	1 1/4	0.984	0.007	24.99	0.18
215	1 1/16	1 5/16	1.046	0.007	26.57	0.18
216	1 1/8	1 3/8	1.109	0.007	28.17	0.18
217	1 3/16	1 7/16	1.171	0.008	29.74	0.2
218	1 1/4	1 1/2	1.234	0.008	31.34	0.2
219	1 5/16	1 9/16	1.296	0.008	32.92	0.2
220	1 3/8	1 5/8	1.359	0.008	34.52	0.2
221	1 7/16	1 11/16	1.421	0.009	36.09	0.23
222	1 1/2	1 3/4	1.484	0.009	37.69	0.23
223	1 5/8	1 7/8	1.609	0.009	40.87	0.23
224	1 3/4	2	1.734	0.01	44.04	0.25
225	1 7/8	2 1/8	1.859	0.01	47.22	0.25
226	2	2 1/4	1.984	0.011	50.39	0.28
227	2 1/8	2 3/8	2.109	0.011	53.57	0.28
228	2 1/4	2 1/2	2.234	0.012	56.74	0.3
229	2 3/8	2 5/8	2.359	0.012	59.92	0.3
230	2 1/2	2 3/4	2.484	0.013	63.09	0.33
231	2 5/8	2 7/8	2.609	0.013	66.27	0.33
232	2 3/4	3	2.734	0.014	69.44	0.36
233	2 7/8	3 1/8	2.859	0.014	72.62	0.36
234	3	3 1/4	2.984	0.015	75.79	0.38

SQUARE RING-AS-568 SERIES (SQ)



201~284

TETRASEAL

NBR70

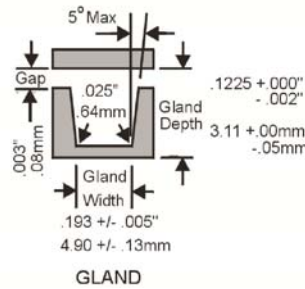
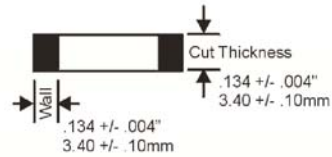
W/T:3.40 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
235	3 1/8	3 3/8	3.109	0.015	78.97	0.38
236	3 1/4	3 1/2	3.234	0.016	82.14	0.41
237	3 3/8	3 5/8	3.359	0.016	85.32	0.41
238	3 1/2	3 3/4	3.484	0.017	88.49	0.43
239	3 5/8	3 7/8	3.609	0.017	91.67	0.43
240	3 3/4	4	3.734	0.018	94.84	0.46
241	3 7/8	4 1/8	3.859	0.018	98.02	0.46
242	4	4 1/4	3.984	0.019	101.19	0.48
243	4 1/8	4 3/8	4.109	0.019	104.37	0.48
244	4 1/4	4 1/2	4.234	0.02	107.54	0.51
245	4 3/8	4 5/8	4.359	0.02	110.72	0.51
246	4 1/2	4 3/4	4.484	0.021	113.89	0.53
247	4 5/8	4 7/8	4.609	0.021	117.07	0.53
248	4 3/4	5	4.734	0.022	120.24	0.56
249	4 7/8	5 1/8	4.859	0.022	123.42	0.56
250	5	5 1/4	4.984	0.023	126.59	0.58
251	5 1/8	5 3/8	5.109	0.023	129.77	0.58
252	5 1/4	5 1/2	5.234	0.024	132.94	0.61
253	5 3/8	5 5/8	5.359	0.024	136.12	0.61
254	5 1/2	5 3/4	5.484	0.025	139.29	0.64
255	5 5/8	5 7/8	5.609	0.025	142.47	0.64
256	5 3/4	6	5.734	0.026	145.64	0.66
257	5 7/8	6 1/8	5.859	0.026	148.82	0.66
258	6	6 1/4	5.984	0.027	151.99	0.69
259	6 1/4	6 1/2	6.234	0.028	158.34	0.71
260	6 1/2	6 3/4	6.484	0.029	164.69	0.74
261	6 3/4	7	6.734	0.03	171.04	0.76
262	7	7 1/4	6.984	0.031	177.39	0.79
263	7 1/4	7 1/2	7.234	0.032	183.74	0.81
264	7 1/2	7 3/4	7.484	0.033	190.09	0.84
265	7 3/4	8	7.734	0.034	196.44	0.86
266	8	8 1/4	7.984	0.035	202.79	0.89
267	8 1/4	8 1/2	8.234	0.036	209.14	0.91
268	8 1/2	8 3/4	8.484	0.037	215.49	0.94

SQUARE RING-AS-568 SERIES (SQ)



201-284
NOMINAL CROSS SECTION 1/8 INCH



201~284

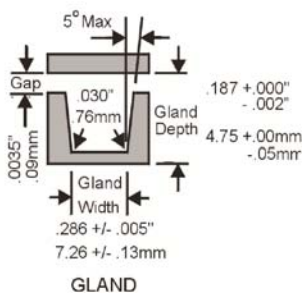
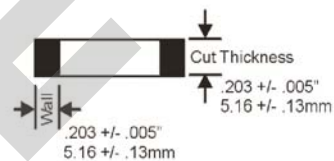
TETRASEAL

NBR70

W/T:3.40 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
269	8 3/4	9	8.734	0.038	221.84	0.97
270	9	9 1/4	8.984	0.039	228.19	0.99
271	9 1/4	9 1/2	9.234	0.04	234.54	1.02
272	9 1/2	9 3/4	9.484	0.041	240.89	1.04
273	9 3/4	10	9.734	0.042	247.24	1.07
274	10	10 1/4	9.984	0.043	253.59	1.09
275	10 1/2	10 3/4	10.484	0.045	266.29	1.14
276	11	11 1/4	10.984	0.047	278.99	1.19
277	11 1/2	11 3/4	11.484	0.049	291.69	1.24
278	12	12 1/4	11.984	0.051	304.39	1.3
279	13	13 1/4	12.984	0.055	329.79	1.4
280	14	14 1/4	13.984	0.059	355.19	1.5
281	15	15 1/4	14.984	0.063	380.59	1.6
282	16	16 1/4	15.955	0.067	405.26	1.7
283	17	17 1/4	16.955	0.071	430.66	1.8
284	18	18 1/4	17.955	0.075	456.06	1.91

309-387
NOMINAL CROSS SECTION 3/16 INCH



309~387

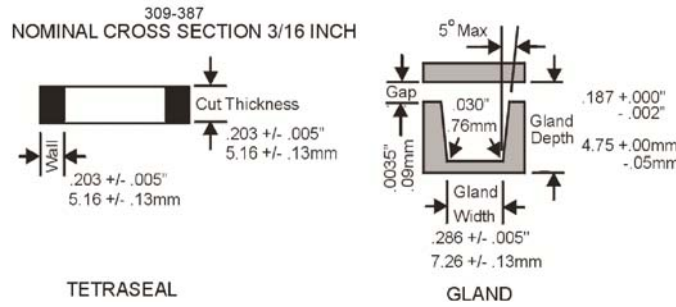
TETRASEAL

NBR70

W/T:5.16 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
309	7/16	13/16	0.412	0.005	10.46	0.13
310	1/2	7/8	0.475	0.005	12.07	0.13
311	9/16	15/16	0.537	0.005	13.64	0.13
312	5/8	1	0.6	0.005	15.24	0.13
313	11/16	1 1/16	0.662	0.006	16.81	0.15
314	3/4	1 1/8	0.725	0.006	18.42	0.15
315	13/16	1 3/16	0.787	0.006	19.99	0.15

SQUARE RING-AS-568 SERIES (SQ)



309~387

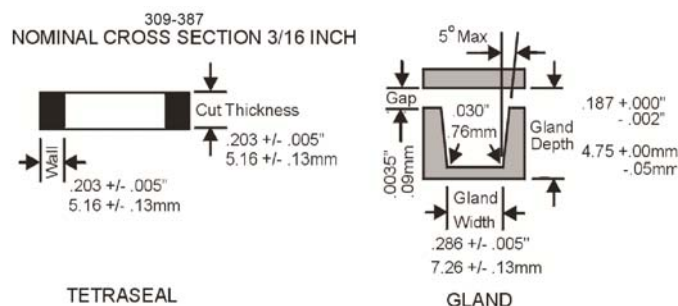
TETRASEAL

NBR70

W/T:5.16 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
316	7/8	1 1/4	0.85	0.006	21.59	0.15
317	15/16	1 5/16	0.912	0.007	23.16	0.18
318	1	1 3/8	0.975	0.007	24.77	0.18
319	1 1/16	1 7/16	1.037	0.007	26.34	0.18
320	1 1/8	1 1/2	1.1	0.007	27.94	0.18
321	1 3/16	1 9/16	1.162	0.008	29.51	0.2
322	1 1/4	1 5/8	1.225	0.008	31.12	0.2
323	1 5/16	1 11/16	1.287	0.008	32.69	0.2
324	1 3/8	1 3/4	1.35	0.008	34.29	0.2
325	1 1/2	1 7/8	1.475	0.009	37.47	0.23
326	1 5/8	2	1.6	0.009	40.64	0.23
327	1 3/4	2 1/8	1.725	0.01	43.82	0.25
328	1 7/8	2 1/4	1.85	0.01	46.99	0.25
329	2	2 3/8	1.975	0.011	50.17	0.28
330	2 1/8	2 1/2	2.1	0.011	53.34	0.28
331	2 1/4	2 5/8	2.225	0.012	56.52	0.3
332	2 3/8	2 3/4	2.35	0.012	59.69	0.3
333	2 1/2	2 7/8	2.475	0.013	62.87	0.33
334	2 5/8	3	2.6	0.013	66.04	0.33
335	2 3/4	3 1/8	2.725	0.014	69.22	0.36
336	2 7/8	3 1/4	2.85	0.014	72.39	0.36
337	3	3 3/8	2.975	0.015	75.57	0.38
338	3 1/8	3 1/2	3.1	0.015	78.74	0.38
339	3 1/4	3 5/8	3.225	0.016	81.92	0.41
340	3 3/8	3 3/4	3.35	0.016	85.09	0.41
341	3 1/2	3 7/8	3.475	0.017	88.27	0.43
342	3 5/8	4	3.6	0.017	91.44	0.43
343	3 3/4	4 1/8	3.725	0.018	94.62	0.46
344	3 7/8	4 1/4	3.85	0.018	97.79	0.46
345	4	4 3/8	3.975	0.019	100.97	0.48
346	4 1/8	4 1/2	4.1	0.019	104.14	0.48
347	4 1/4	4 5/8	4.225	0.02	107.32	0.51
348	4 3/8	4 3/4	4.35	0.02	110.49	0.51
349	4 1/2	4 7/8	4.475	0.021	113.67	0.53

SQUARE RING-AS-568 SERIES (SQ)



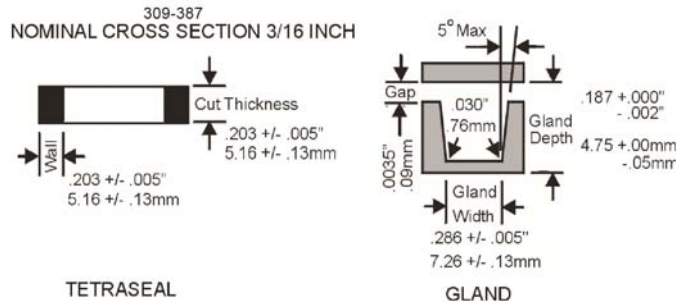
NBR70

309~387

W/T:5.16 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
350	4 5/8	5	4.6	0.021	116.84	0.53
351	4 3/4	5 1/8	4.725	0.022	120.02	0.56
352	4 7/8	5 1/4	4.85	0.022	123.19	0.56
353	5	5 3/8	4.975	0.023	126.37	0.58
354	5 1/8	5 1/2	5.1	0.023	129.54	0.58
355	5 1/4	5 5/8	5.225	0.024	132.72	0.61
356	5 3/8	5 3/4	5.35	0.024	135.89	0.61
357	5 1/2	5 7/8	5.475	0.025	139.07	0.64
358	5 5/8	6	5.6	0.025	142.24	0.64
359	5 3/4	6 1/8	5.725	0.026	145.42	0.66
360	5 7/8	6 1/4	5.85	0.026	148.59	0.66
361	6	6 3/8	5.975	0.027	151.77	0.69
362	6 1/4	6 5/8	6.225	0.028	158.12	0.71
363	6 1/2	6 7/8	6.475	0.029	164.47	0.74
364	6 3/4	7 1/8	6.725	0.03	170.82	0.76
365	7	7 3/8	6.975	0.031	177.17	0.79
366	7 1/4	7 5/8	7.225	0.032	183.52	0.81
367	7 1/2	7 7/8	7.475	0.033	189.87	0.84
368	7 3/4	8 1/8	7.725	0.034	196.22	0.86
369	8	8 3/8	7.975	0.035	202.57	0.89
370	8 1/4	8 5/8	8.225	0.036	208.92	0.91
371	8 1/2	8 7/8	8.475	0.037	215.27	0.94
372	8 3/4	9 1/8	8.725	0.038	221.62	0.97
373	9	9 3/8	8.975	0.039	227.97	0.99
374	9 1/4	9 5/8	9.225	0.04	234.32	1.02
375	9 1/2	9 7/8	9.475	0.041	240.67	1.04
376	9 3/4	10 1/8	9.725	0.042	247.02	1.07
377	10	10 3/8	9.975	0.043	253.37	1.09
378	10 1/2	10 7/8	10.475	0.045	266.07	1.14
379	11	11 3/8	10.975	0.047	278.77	1.19
380	11 1/2	11 7/8	11.475	0.049	291.47	1.24
381	12	12 3/8	11.975	0.051	304.17	1.3
382	13	13 3/8	12.975	0.055	329.57	1.4
383	14	14 3/8	13.975	0.059	354.97	1.5

SQUARE RING-AS-568 SERIES (SQ)



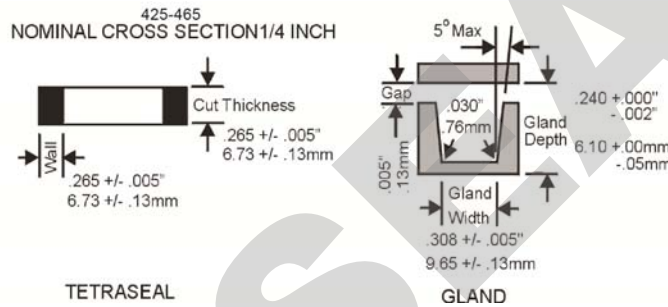
309~387

TETRASEAL

NBR70

W/T:5.16 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
384	15	15 3/8	14.975	0.063	380.37	1.6
385	16	16 3/8	15.955	0.067	405.27	1.7
386	17	17 3/8	16.955	0.071	430.67	1.8
387	18	18 3/8	17.955	0.075	456.07	1.91



425~465

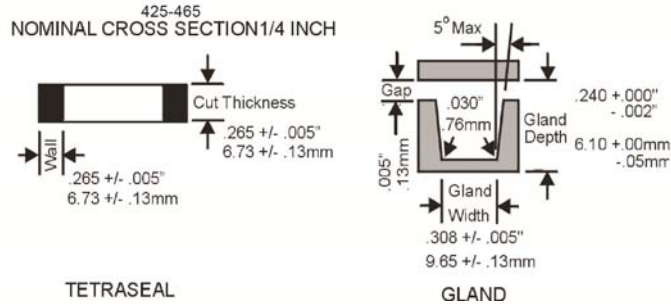
TETRASEAL

NBR70

W/T:6.73 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
425	4 1/2	5	4.475	0.021	113.67	0.53
426	4 5/8	5 1/8	4.6	0.021	116.84	0.53
427	4 3/4	5 1/4	4.725	0.022	120.02	0.56
428	4 7/8	5 3/8	4.85	0.022	123.19	0.56
429	5	5 1/2	4.975	0.023	126.37	0.58
430	5 1/8	5 5/8	5.1	0.023	129.54	0.58
431	5 1/4	5 3/4	5.225	0.024	132.72	0.61
432	5 3/8	5 7/8	5.35	0.024	135.89	0.61
433	5 1/2	6	5.475	0.025	139.07	0.64
434	5 5/8	6 1/8	5.6	0.025	142.24	0.64
435	5 3/4	6 1/4	5.725	0.026	145.42	0.66
436	5 7/8	6 3/8	5.85	0.026	148.59	0.66
437	6	6 1/2	5.975	0.027	151.77	0.69
438	6 1/4	6 3/4	6.225	0.028	158.12	0.74
439	6 1/2	7	6.475	0.029	164.47	0.74
440	6 3/4	7 1/4	6.725	0.03	170.82	0.76
441	7	7 1/2	6.975	0.031	177.17	0.79
442	7 1/4	7 3/4	7.225	0.032	183.52	0.81
443	7 1/2	8	7.475	0.033	189.87	0.84

SQUARE RING-AS-568 SERIES (SQ)



425~465

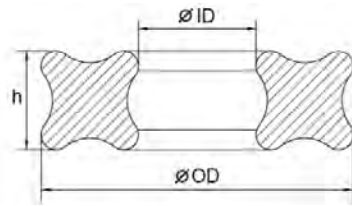
TETRASEAL

NBR70

W/T:6.73 (mm)

ITEM	Nominal Size		Actual Size Inch		Actual Size Metric (mm)	
	ID	OD	ID	Tol. +/-	ID	Tol. +/-
444	7 3/4	8 1/4	7.725	0.034	196.22	0.86
445	8	8 1/2	7.975	0.035	202.57	0.89
446	8 1/2	9	8.475	0.037	215.27	0.94
447	9	9 1/2	8.975	0.039	227.97	0.99
448	9 1/2	10	9.475	0.041	240.67	1.04
449	10	10 1/2	9.975	0.043	253.37	1.09
450	10 1/2	11	10.475	0.045	266.07	1.14
451	11	11 1/2	10.975	0.047	278.77	1.19
452	11 1/2	12	11.475	0.049	291.47	1.24
453	12	12 1/2	11.975	0.051	304.17	1.3
454	12 1/2	13	12.475	0.053	316.87	1.35
455	13	13 1/2	12.975	0.055	329.57	1.4
456	13 1/2	14	13.475	0.057	342.27	1.45
457	14	14 1/2	13.975	0.059	354.97	1.5
458	14 1/2	15	14.475	0.061	367.67	1.55
459	15	15 1/2	14.975	0.063	380.37	1.6
460	15 1/2	16	15.475	0.065	393.07	1.65
461	16	16 1/2	15.955	0.067	405.27	1.7
462	16 1/2	17	16.455	0.069	417.97	1.75
463	17	17 1/2	16.955	0.071	430.67	2.8
464	17 1/2	18	17.455	0.073	443.37	2.85
465	18	18 1/2	17.955	0.075	456.07	2.91

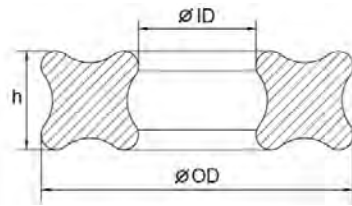
X-RING



NBR70

ITEM	ID	C/S	VOL(cm³)	ITEM	ID	C/S	VOL(cm³)
001	0.74	1.02	0.005	039	69.57	1.78	0.558
002	1.07	1.27	0.009	040	72.75	1.78	0.583
003	1.42	1.53	0.017	041	75.92	1.78	0.607
004	1.78	1.78	0.028	042	82.27	1.78	0.657
005	2.57	1.78	0.034	043	88.62	1.78	0.707
006	2.9	1.78	0.037	044	94.97	1.78	0.756
007	3.69	1.78	0.043	045	101.32	1.78	0.806
008	4.47	1.78	0.049	046	107.62	1.78	0.855
009	5.29	1.78	0.055	047	114.02	1.78	0.905
010	6.07	1.78	0.061	048	120.37	1.78	0.955
011	7.65	1.78	0.074	049	126.72	1.78	1.005
012	9.25	1.78	0.086	050	133.07	1.78	1.054
013	10.82	1.78	0.099	102	1.24	2.62	0.065
014	12.42	1.78	0.111	103	2.05	2.62	0.079
015	14	1.78	0.123	104	2.84	2.62	0.092
016	15.6	1.78	0.136	105	3.63	2.62	0.106
017	17.17	1.78	0.148	106	4.42	2.62	0.119
018	18.77	1.78	0.161	107	5.23	2.62	0.133
019	20.35	1.78	0.173	108	6.02	2.62	0.146
020	21.95	1.78	0.186	109	7.6	2.62	0.173
021	23.52	1.78	0.198	110	9.19	2.62	0.200
022	25.12	1.78	0.210	111	10.77	2.62	0.227
023	26.7	1.78	0.223	112	12.37	2.62	0.254
024	28.3	1.78	0.235	113	13.95	2.62	0.281
025	29.87	1.78	0.247	114	15.54	2.62	0.308
026	31.47	1.78	0.260	115	17.12	2.62	0.334
027	33.05	1.78	0.272	116	18.72	2.62	0.361
028	34.65	1.78	0.285	117	20.29	2.62	0.388
029	37.82	1.78	0.310	118	21.9	2.62	0.415
030	41	1.78	0.334	119	23.47	2.62	0.442
031	44.17	1.78	0.359	120	25.07	2.62	0.469
032	47.35	1.78	0.384	121	26.65	2.62	0.496
033	50.52	1.78	0.409	122	28.25	2.62	0.523
034	53.7	1.78	0.434	123	29.82	2.62	0.549
035	56.87	1.78	0.459	124	31.42	2.62	0.577
036	60.04	1.78	0.483	125	32.99	2.62	0.603
037	63.22	1.78	0.508	126	34.6	2.62	0.630
038	66.4	1.78	0.533	127	36.17	2.62	0.657

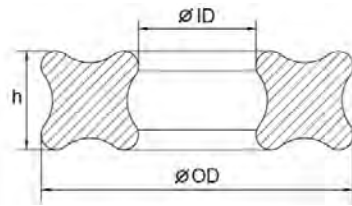
X-RING



NBR70

ITEM	ID	C/S	VOL(cm³)	ITEM	ID	C/S	VOL(cm³)
128	37.77	2.62	0.684	166	171.1	2.62	2.942
129	39.35	2.62	0.711	167	177.4	2.62	3.049
130	40.95	2.62	0.738	168	183.8	2.62	3.157
131	42.52	2.62	0.765	169	190.1	2.62	3.264
132	44.12	2.62	0.792	170	196.5	2.62	3.373
133	45.7	2.62	0.818	171	202.8	2.62	3.479
134	47.3	2.62	0.846	172	209.2	2.62	3.588
135	48.9	2.62	0.873	173	215.5	2.62	3.694
136	50.47	2.62	0.899	174	221.9	2.62	3.803
137	52.07	2.62	0.926	175	228.6	2.62	3.916
138	53.65	2.62	0.953	176	234.6	2.62	4.018
139	55.25	2.62	0.980	177	240.9	2.62	4.125
140	56.82	2.62	1.007	178	247.3	2.62	4.233
141	58.42	2.62	1.034	201	4.34	3.53	0.242
142	60	2.62	1.061	202	5.94	3.53	0.291
143	61	2.62	1.078	203	7.52	3.53	0.340
144	63.1	2.62	1.113	204	9.12	3.53	0.389
145	64.7	2.62	1.140	205	10.69	3.53	0.437
146	66.3	2.62	1.167	206	12.29	3.53	0.486
147	67.9	2.62	1.194	207	13.87	3.53	0.535
148	69.5	2.62	1.222	208	15.47	3.53	0.584
149	71.1	2.62	1.249	209	17.04	3.53	0.632
150	72.7	2.62	1.276	210	18.64	3.53	0.682
151	75.87	2.62	1.329	211	20.22	3.53	0.730
152	82.22	2.62	1.437	212	21.82	3.53	0.779
153	88.57	2.62	1.545	213	23.4	3.53	0.828
154	94.92	2.62	1.652	214	25	3.53	0.877
155	101.2	2.62	1.758	215	26.57	3.53	0.925
156	107.6	2.62	1.867	216	28.17	3.53	0.975
157	113.9	2.62	1.974	217	29.75	3.53	1.023
158	120.3	2.62	2.082	218	31.34	3.53	1.072
159	126.6	2.62	2.189	219	32.92	3.53	1.121
160	133	2.62	2.297	220	34.52	3.53	1.170
161	139.3	2.62	2.404	221	36.1	3.53	1.218
162	145.7	2.62	2.512	222	37.7	3.53	1.268
163	152	2.62	2.619	223	40.87	3.53	1.365
164	158.7	2.62	2.732	224	44.05	3.53	1.463
165	164.7	2.62	2.834	225	47.22	3.53	1.560

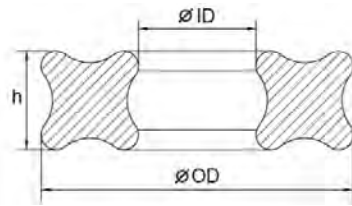
X-RING



NBR70

ITEM	ID	C/S	VOL(cm³)	ITEM	ID	C/S	VOL(cm³)
226	50.4	3.53	1.658	264	190.1	3.53	5.953
227	53.57	3.53	1.756	265	196.45	3.53	6.149
228	56.75	3.53	1.853	266	202.8	3.53	6.344
229	59.92	3.53	1.951	267	209.15	3.53	6.539
230	63.1	3.53	2.049	268	215.5	3.53	6.734
231	66.27	3.53	2.146	269	221.85	3.53	6.930
232	69.44	3.53	2.244	270	228.2	3.53	7.125
233	72.62	3.53	2.341	271	234.55	3.53	7.320
234	75.79	3.53	2.439	272	240.9	3.53	7.515
235	78.97	3.53	2.537	273	247.25	3.53	7.711
236	82.14	3.53	2.634	274	253.6	3.53	7.906
237	85.32	3.53	2.732	275	266.3	3.53	8.296
238	88.49	3.53	2.829	276	279	3.53	8.687
239	91.67	3.53	2.927	277	291.7	3.53	9.077
240	94.84	3.53	3.025	278	304.4	3.53	9.468
241	98.02	3.53	3.122	279	329.8	3.53	10.249
242	101.19	3.53	3.220	280	355.2	3.53	11.030
243	104.37	3.53	3.318	281	380.6	3.53	11.811
244	107.54	3.53	3.415	282	405.26	3.53	12.569
245	110.72	3.53	3.513	283	430.66	3.53	13.350
246	113.89	3.53	3.610	284	456.06	5.33	32.342
247	117.07	3.53	3.708	309	10.46	5.33	1.107
248	120.24	3.53	3.805	310	12.07	5.33	1.220
249	123.42	3.53	3.903	311	13.64	5.33	1.330
250	126.59	3.53	4.001	312	15.24	5.33	1.442
251	129.77	3.53	4.098	313	16.81	5.33	1.552
252	132.94	3.53	4.196	314	18.42	5.33	1.665
253	136.12	3.53	4.294	315	19.99	5.33	1.775
254	139.3	3.53	4.391	316	21.59	5.33	1.887
255	142.47	3.53	4.489	317	23.16	5.33	1.997
256	145.65	3.53	4.587	318	24.77	5.33	2.110
257	148.82	3.53	4.684	319	26.34	5.33	2.220
258	152	3.53	4.782	320	27.94	5.33	2.332
259	158.35	3.53	4.977	321	29.51	5.33	2.442
260	164.7	3.53	5.172	322	31.12	5.33	2.555
261	171.05	3.53	5.368	323	32.69	5.33	2.665
262	177.4	3.53	5.563	324	34.29	5.33	2.777
263	183.75	3.53	5.758	325	37.47	5.33	3.000

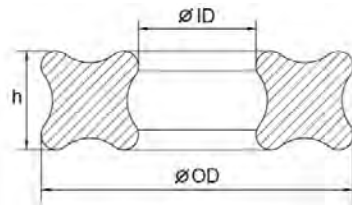
X-RING



NBR70

ITEM	ID	C/S	VOL(cm³)	ITEM	ID	C/S	VOL(cm³)
326	40.65	5.33	3.223	364	170.82	5.33	12.347
327	43.82	5.33	3.445	365	177.17	5.33	12.793
328	46.99	5.33	3.667	366	183.52	5.33	13.238
329	50.16	5.33	3.890	367	189.87	5.33	13.683
330	53.34	5.33	4.113	368	196.22	5.33	14.128
331	56.52	5.33	4.335	369	202.57	5.33	14.573
332	59.69	5.33	4.558	370	208.92	5.33	15.018
333	62.87	5.33	4.781	371	215.27	5.33	15.463
334	66.04	5.33	5.003	372	221.62	5.33	15.908
335	69.22	5.33	5.226	373	227.97	5.33	16.354
336	72.39	5.33	5.448	374	234.32	5.33	16.799
337	75.6	5.33	5.673	375	240.67	5.33	17.244
338	78.74	5.33	5.893	376	247.02	5.33	17.689
339	81.92	5.33	6.116	377	253.37	5.33	18.134
340	85.09	5.33	6.338	378	266.07	5.33	19.024
341	88.27	5.33	6.561	379	278.77	5.33	19.914
342	91.44	5.33	6.783	380	291.47	5.33	20.805
343	94.62	5.33	7.006	381	304.17	5.33	21.695
344	97.79	5.33	7.228	382	329.55	5.33	23.474
345	100.96	5.33	7.451	383	354.97	5.33	25.256
346	104.14	5.33	7.673	384	380.37	5.33	27.036
347	107.32	5.33	7.896	385	405.26	5.33	28.781
348	110.49	5.33	8.119	386	430.65	5.33	30.561
349	113.67	5.33	8.341	387	456.06	5.33	32.342
350	116.84	5.33	8.564	388	481.46	5.33	34.122
351	120.02	5.33	8.787	389	506.86	5.33	35.903
352	123.19	5.33	9.009	390	532.26	5.33	37.683
353	126.37	5.33	9.232	391	557.66	5.33	39.464
354	129.54	5.33	9.454	392	582.65	5.33	41.215
355	132.72	5.33	9.677	393	608.1	5.33	42.999
356	135.89	5.33	9.899	394	633.5	5.33	44.780
357	139.07	5.33	10.122	395	658.85	5.33	46.557
358	142.24	5.33	10.344	425	113.67	6.99	14.547
359	145.42	5.33	10.567	426	116.84	6.99	14.929
360	148.59	5.33	10.789	427	120.02	6.99	15.312
361	151.77	5.33	11.012	428	123.19	6.99	15.694
362	158.12	5.33	11.457	429	126.37	6.99	16.078
363	164.47	5.33	11.902	430	129.54	6.99	16.460

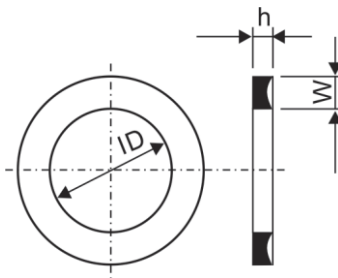
X-RING



NBR70

ITEM	ID	C/S	VOL(cm ³)	ITEM	ID	C/S	VOL(cm ³)
431	132.72	6.99	16.843	454	316.87	6.99	39.044
432	135.89	6.99	17.225	455	329.57	6.99	40.575
433	139.07	6.99	17.609	456	342.27	6.99	42.106
434	142.24	6.99	17.991	457	354.97	6.99	43.637
435	145.42	6.99	18.374	458	367.67	6.99	45.168
436	148.59	6.99	18.756	459	380.37	6.99	46.699
437	151.77	6.99	19.140	460	393.03	6.99	48.226
438	158.12	6.99	19.905	461	405.26	6.99	49.700
439	164.47	6.99	20.671	462	417.96	6.99	51.231
440	170.82	6.99	21.436	463	430.66	6.99	52.762
441	177.17	6.99	22.202	464	443.36	6.99	54.293
442	183.52	6.99	22.968	465	456.06	6.99	55.824
443	189	6.99	23.628	466	468.76	6.99	57.355
444	196.22	6.99	24.499	467	481.46	6.99	58.887
445	202.57	6.99	25.264	468	494.16	6.99	60.418
446	215.27	6.99	26.795	469	506.86	6.99	61.949
447	227.97	6.99	28.326	470	532.26	6.99	65.011
448	240.67	6.99	29.857	471	557.66	6.99	68.073
449	253.37	6.99	31.388	472	582.65	6.99	71.086
450	266.07	6.99	32.920	473	608.1	6.99	74.154
451	278.77	6.99	34.451	474	633.5	6.99	77.216
452	291.47	6.99	35.982	475	658.85	6.99	80.272
453	304.17	6.99	37.513				

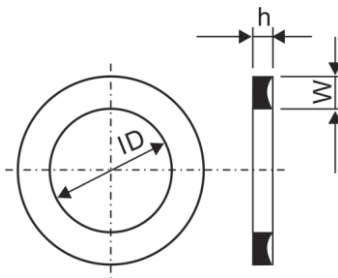
BACKUP RING—80 SERIES



NBR90

ITEM	ID	W	h	ITEM	ID	W	h
* 004	2.44	1.35	1.24	* 042	83.01	1.35	1.24
* 005	3.23	1.35	1.24	* 043	89.36	1.35	1.24
* 006	3.56	1.35	1.24	* 044	95.71	1.35	1.24
* 007	4.34	1.35	1.24	* 045	102.06	1.35	1.24
* 008	5.13	1.35	1.24	* 046	108.41	1.35	1.24
* 009	5.94	1.35	1.24	* 047	114.76	1.35	1.24
* 010	6.73	1.35	1.24	* 048	121.11	1.35	1.24
* 011	8.31	1.35	1.24	* 049	127.46	1.35	1.24
012	9.91	1.35	1.24	* 050	133.81	1.35	1.24
* 013	11.56	1.35	1.24	* 102	1.96	2.18	1.35
* 014	13.16	1.35	1.24	* 103	2.77	2.18	1.35
015	14.73	1.35	1.24	* 104	3.56	2.18	1.35
* 016	16.33	1.35	1.24	* 105	4.34	2.18	1.35
* 017	17.91	1.35	1.24	* 106	5.13	2.18	1.35
* 018	19.51	1.35	1.24	* 107	5.91	2.18	1.35
* 019	21.08	1.35	1.24	* 108	6.73	2.18	1.35
* 020	22.68	1.35	1.24	* 109	8.31	2.18	1.35
* 021	24.26	1.35	1.24	110	9.91	2.18	1.35
* 022	25.86	1.35	1.24	* 111	11.48	2.18	1.35
* 023	27.43	1.35	1.24	* 112	13.08	2.18	1.35
* 024	29.03	1.35	1.24	* 113	14.66	2.18	1.35
* 025	30.61	1.35	1.24	* 114	16.26	2.18	1.35
* 026	32.21	1.35	1.24	* 115	17.83	2.18	1.35
* 027	33.78	1.35	1.24	* 116	19.43	2.18	1.35
* 028	35.38	1.35	1.24	* 117	21.11	2.18	1.35
* 029	38.56	1.35	1.24	* 118	22.68	2.18	1.35
* 030	41.73	1.35	1.24	* 119	24.28	2.18	1.35
* 031	44.91	1.35	1.24	* 120	25.86	2.18	1.35
* 032	48.08	1.35	1.24	* 121	27.46	2.18	1.35
* 033	51.26	1.35	1.24	* 122	29.03	2.18	1.35
* 034	54.43	1.35	1.24	* 123	30.63	2.18	1.35
* 035	57.61	1.35	1.24	* 124	32.21	2.18	1.35
* 036	60.78	1.35	1.24	125	33.81	2.18	1.35
* 037	63.96	1.35	1.24	* 126	35.38	2.18	1.35
* 038	67.13	1.35	1.24	* 127	36.98	2.18	1.35
* 039	70.31	1.35	1.24	* 128	38.56	2.18	1.35
* 040	73.48	1.35	1.24	* 129	40.16	2.18	1.35
* 041	76.66	1.35	1.24	* 130	41.73	2.18	1.35

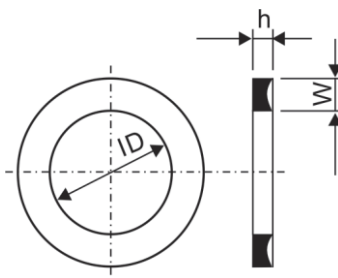
BACKUP RING—80 SERIES



NBR90

ITEM	ID	W	h	ITEM	ID	W	h
* 131	43.33	2.18	1.35	* 169	190.96	2.18	1.35
132	44.91	2.18	1.35	* 170	197.31	2.18	1.35
133	46.51	2.18	1.35	* 171	203.66	2.18	1.35
* 134	48.08	2.18	1.35	* 172	210.01	2.18	1.35
* 135	49.68	2.18	1.35	* 173	216.36	2.18	1.35
* 136	51.26	2.18	1.35	* 174	222.71	2.18	1.35
* 137	52.86	2.18	1.35	* 175	229.06	2.18	1.35
* 138	54.43	2.18	1.35	* 176	235.41	2.18	1.35
* 139	56.03	2.18	1.35	* 177	241.76	2.18	1.35
* 140	57.61	2.18	1.35	* 178	248.11	2.18	1.35
* 141	59.21	2.18	1.35	* 201	5.13	3	1.27
* 142	60.78	2.18	1.35	* 202	6.73	3	1.27
* 143	62.38	2.18	1.35	* 203	8.31	3	1.27
* 144	63.96	2.18	1.35	* 204	9.91	3	1.27
* 145	65.56	2.18	1.35	* 205	11.56	3	1.27
* 146	67.13	2.18	1.35	* 206	13.16	3	1.27
* 147	68.73	2.18	1.35	* 207	14.73	3	1.27
* 148	70.31	2.18	1.35	* 208	16.33	3	1.27
* 149	71.91	2.18	1.35	* 209	17.91	3	1.27
* 150	73.48	2.18	1.35	* 210	19.46	3	1.27
* 151	76.66	2.18	1.35	211	21.03	3	1.27
* 152	83.01	2.18	1.35	* 212	22.63	3	1.27
* 153	89.36	2.18	1.35	* 213	24.21	3	1.27
* 154	95.71	2.18	1.35	* 214	25.81	3	1.27
* 155	102.06	2.18	1.35	* 215	27.38	3	1.27
* 156	108.41	2.18	1.35	* 216	28.98	3	1.27
* 157	114.76	2.18	1.35	* 217	30.56	3	1.27
* 158	121.11	2.18	1.35	218	32.16	3	1.27
* 159	127.46	2.18	1.35	* 219	33.88	3	1.27
* 160	133.81	2.18	1.35	* 220	35.48	3	1.27
* 161	140.16	2.18	1.35	* 221	37.06	3	1.27
* 162	146.51	2.18	1.35	* 222	38.66	3	1.27
* 163	152.86	2.18	1.35	* 223	41.83	3	1.27
* 164	159.21	2.18	1.35	224	45.01	3	1.27
* 165	165.56	2.18	1.35	* 225	48.18	3	1.27
* 166	171.91	2.18	1.35	* 226	51.36	3	1.27
* 167	178.26	2.18	1.35	* 227	54.53	3	1.27
* 168	184.61	2.18	1.35	228	57.71	3	1.27

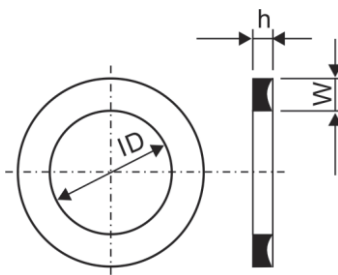
BACKUP RING—80 SERIES



NBR90

ITEM	ID	W	h	ITEM	ID	W	h
229	60.88	3	1.27	* 267	210.01	3	1.27
* 230	64.06	3	1.27	* 268	216.36	3	1.27
* 231	66.83	3	1.27	* 269	222.71	3	1.27
232	70.00	3	1.27	* 270	229.06	3	1.27
* 233	73.18	3	1.27	* 271	235.41	3	1.27
234	76.35	3	1.27	* 272	241.76	3	1.27
* 235	79.53	3	1.27	* 273	248.11	3	1.27
236	82.70	3	1.27	* 274	254.46	3	1.27
* 237	85.88	3	1.27	* 275	267.16	3	1.27
* 238	89.05	3	1.27	* 276	279.86	3	1.27
* 239	92.23	3	1.27	* 277	292.56	3	1.27
240	95.40	3	1.27	* 278	305.26	3	1.27
* 241	98.58	3	1.27	* 279	330.66	3	1.27
* 242	101.75	3	1.27	* 280	356.06	3	1.27
* 243	104.93	3	1.27	* 281	381.46	3	1.27
* 244	108.10	3	1.27	* 282	406.12	3	1.27
* 245	111.28	3	1.27	* 283	431.52	3	1.27
246	114.45	3	1.27	* 284	456.92	3	1.27
* 247	117.63	3	1.27	* 309	11.43	4.65	1.93
* 248	121.11	3	1.27	* 310	13.03	4.65	1.93
* 249	124.28	3	1.27	* 311	14.61	4.65	1.93
* 250	127.46	3	1.27	* 312	16.21	4.65	1.93
* 251	130.63	3	1.27	* 313	17.78	4.65	1.93
252	133.81	3	1.27	* 314	19.38	4.65	1.93
* 253	136.98	3	1.27	* 315	20.96	4.65	1.93
* 254	140.16	3	1.27	* 316	22.56	4.65	1.93
* 255	143.33	3	1.27	* 317	24.13	4.65	1.93
* 256	146.51	3	1.27	* 318	25.74	4.65	1.93
* 257	149.68	3	1.27	* 319	27.31	4.65	1.93
* 258	152.86	3	1.27	* 320	28.91	4.65	1.93
* 259	159.21	3	1.27	* 321	30.42	4.65	1.93
* 260	165.56	3	1.27	* 322	32.08	4.65	1.93
261	171.91	3	1.27	* 323	33.43	4.65	1.93
262	178.26	3	1.27	* 324	35.26	4.65	1.93
* 263	184.61	3	1.27	* 325	38.43	4.65	1.93
* 264	190.96	3	1.27	* 326	41.61	4.65	1.93
* 265	197.31	3	1.27	* 327	44.78	4.65	1.93
* 266	203.66	3	1.27	* 328	47.96	4.65	1.93

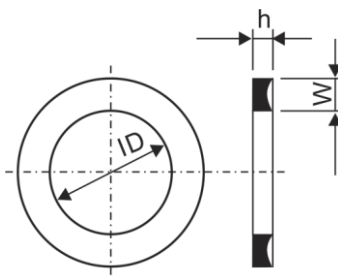
BACKUP RING—80 SERIES



NBR90

ITEM	ID	W	h	ITEM	ID	W	h
* 329	51.13	4.65	1.93	* 367	191.21	4.65	1.93
* 330	54.31	4.65	1.93	* 368	197.56	4.65	1.93
* 331	57.61	4.65	1.93	369	203.91	4.65	1.93
* 332	60.78	4.65	1.93	* 370	210.26	4.65	1.93
* 333	63.96	4.65	1.93	* 371	216.61	4.65	1.93
* 334	67.13	4.65	1.93	* 372	222.96	4.65	1.93
* 335	70.31	4.65	1.93	* 373	229.31	4.65	1.93
* 336	73.48	4.65	1.93	* 374	235.66	4.65	1.93
* 337	76.66	4.65	1.93	* 375	242.01	4.65	1.93
* 338	79.83	4.65	1.93	* 376	248.36	4.65	1.93
* 339	83.13	4.65	1.93	* 377	254.71	4.65	1.93
* 340	86.31	4.65	1.93	* 378	267.41	4.65	1.93
* 341	89.48	4.65	1.93	* 379	280.11	4.65	1.93
* 342	92.66	4.65	1.93	* 380	292.81	4.65	1.93
* 343	95.83	4.65	1.93	* 381	305.51	4.65	1.93
* 344	99.01	4.65	1.93	* 382	330.91	4.65	1.93
* 345	102.31	4.65	1.93	* 383	356.31	4.65	1.93
* 346	105.49	4.65	1.93	* 384	381.71	4.65	1.93
* 347	108.66	4.65	1.93	* 385	406.60	4.65	1.93
* 348	111.84	4.65	1.93	* 386	432.00	4.65	1.93
* 349	115.01	4.65	1.93	* 387	457.40	4.65	1.93
* 350	118.19	4.65	1.93	* 388	482.75	4.65	1.93
* 351	121.36	4.65	1.93	* 389	508.15	4.65	1.93
* 352	124.54	4.65	1.93	* 390	533.55	4.65	1.93
* 353	127.71	4.65	1.93	* 391	558.95	4.65	1.93
* 354	130.89	4.65	1.93	* 392	584.02	4.65	1.93
* 355	134.06	4.65	1.93	* 393	609.42	4.65	1.93
* 356	137.24	4.65	1.93	* 394	634.82	4.65	1.93
* 357	140.41	4.65	1.93	* 395	660.22	4.65	1.93
* 358	143.59	4.65	1.93	* 425	115.60	5.99	2.97
* 359	146.76	4.65	1.93	* 426	118.77	5.99	2.97
* 360	149.94	4.65	1.93	* 427	121.95	5.99	2.97
* 361	153.11	4.65	1.93	* 428	125.12	5.99	2.97
* 362	159.46	4.65	1.93	* 429	128.30	5.99	2.97
363	165.81	4.65	1.93	* 430	131.47	5.99	2.97
* 364	172.16	4.65	1.93	* 431	134.65	5.99	2.97
* 365	178.51	4.65	1.93	* 432	137.82	5.99	2.97
* 366	184.86	4.65	1.93	* 433	141.00	5.99	2.97

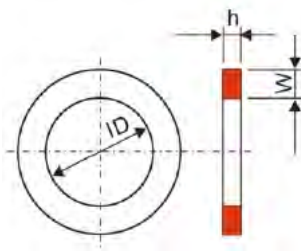
BACKUP RING—80 SERIES



NBR90

ITEM	ID	W	h	ITEM	ID	W	h
* 434	144.17	5.99	2.97	* 455	330.81	5.99	2.97
* 435	147.35	5.99	2.97	* 456	343.51	5.99	2.97
* 436	150.52	5.99	2.97	* 457	356.21	5.99	2.97
* 437	153.70	5.99	2.97	* 458	368.91	5.99	2.97
* 438	159.36	5.99	2.97	* 459	381.61	5.99	2.97
* 439	165.71	5.99	2.97	* 460	394.31	5.99	2.97
* 440	172.06	5.99	2.97	* 461	406.50	5.99	2.97
* 441	178.41	5.99	2.97	* 462	419.20	5.99	2.97
* 442	184.76	5.99	2.97	* 463	431.90	5.99	2.97
* 443	191.11	5.99	2.97	* 464	444.60	5.99	2.97
* 444	197.46	5.99	2.97	* 465	457.30	5.99	2.97
* 445	203.81	5.99	2.97	* 466	470.00	5.99	2.97
* 446	216.51	5.99	2.97	* 467	482.70	5.99	2.97
* 447	229.21	5.99	2.97	* 468	495.40	5.99	2.97
* 448	241.91	5.99	2.97	* 469	508.10	5.99	2.97
* 449	254.61	5.99	2.97	* 470	533.50	5.99	2.97
* 450	267.31	5.99	2.97	* 471	558.90	5.99	2.97
* 451	280.01	5.99	2.97	* 472	584.30	5.99	2.97
* 452	292.71	5.99	2.97	* 473	609.70	5.99	2.97
* 453	305.41	5.99	2.97	* 474	635.10	5.99	2.97
* 454	318.11	5.99	2.97	* 475	660.50	5.99	2.97

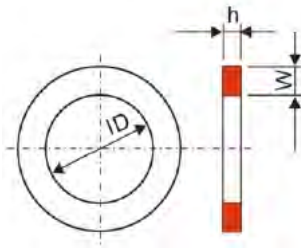
BACKUP RING FOR AS-568 SERIES ORING



APPLICATION		
MATERIAL	HY	PTFE
TEMP.	-67°F~248°F	-55°F~200°F

DASH NO.	DASH NO.	DASH NO.	DASH NO.
*008	126	222	261
*009	127	*223	*262
*010	*128	224	*264
011	*129	*225	*265
012	*130	226	*266
013	131	227	*268
014	*132	228	*269
015	*133	230	*270
016	134	*231	*272
017	*136	232	*274
018	*137	233	*275
019	*140	234	*277
020	*141	235	*279
021	*143	236	324
*022	*144	*237	*325
*023	*145	238	*326
*024	*146	239	*327
*025	*147	240	328
*026	*148	*241	329
*027	149	242	330
*030	*152	*243	*331
*031	*153	244	332
*032	*154	245	*333
*110	*155	246	334
*112	*159	*247	*336
*113	*160	248	338
*114	*163	*249	340
*115	*210	250	341
*116	*212	*251	342
*117	213	252	343
*118	214	*253	*344
*119	*215	254	345
*120	*216	256	346
121	*217	*257	*347
123	218	*258	348
124	*220	259	*349
*125	*221	*260	350

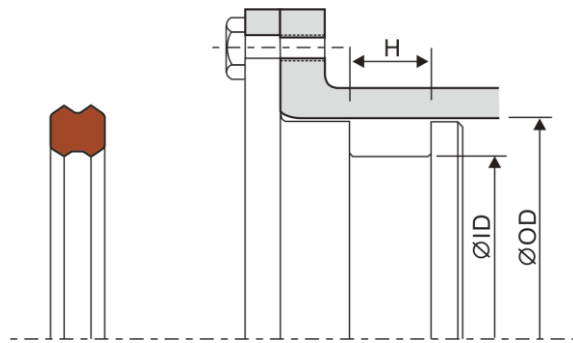
BACKUP RING FOR AS-568 SERIES ORING



APPLICATION		
MATERIAL	HY	PTFE
TEMP.	-67°F~248°F	-55°F~200°F

DASH NO.	DASH NO.	DASH NO.	DASH NO.
*351	425	439	*447
*352	*426	*440	*448
353	*427	*441	*449
354	*428	*442	*450
*355	*429	443	*452
*356	*432	*444	454
358	433	*445	
*370	*437	*446	

HI HEAD SEAL



APPLICATION	
MATERIAL	PU
TEMP.	-40°F~212°F

ITEM	OD	ID	H
HI-039	2.875	2.750	0.175
HI-222	1.750	1.528	0.208
HI-224	2.000	1.778	0.208
HI-226	2.250	2.028	0.208
HI-227	2.375	2.153	0.208
HI-228	2.500	2.278	0.208
HI-230	2.750	2.528	0.208
HI-232	3.000	2.778	0.208
HI-234	3.250	3.028	0.208
HI-235	3.375	3.153	0.208
HI-236	3.500	3.278	0.208
HI-238	3.750	3.528	0.208
HI-240	4.000	3.778	0.208
HI-242	4.250	4.028	0.208
HI-244	4.500	4.278	0.208
HI-246	4.750	4.528	0.208
HI-248	5.000	4.778	0.208
HI-249	5.125	4.903	0.208
HI-250	5.250	5.028	0.208
HI-251	5.375	5.153	0.208
HI-252	5.500	5.278	0.208
HI-254	5.750	5.528	0.208
HI-256	6.000	5.778	0.208
HI-260	6.750	6.528	0.208
HI-338	3.500	3.160	0.311
HI-342	4.000	3.660	0.311
HI-344	4.250	3.910	0.311
HI-346	4.500	4.160	0.311
HI-347	4.625	4.285	0.311
HI-348	4.750	4.410	0.311
HI-350	5.000	4.660	0.311
HI-352	5.250	4.910	0.311
HI-353	5.375	5.035	0.311
HI-354	5.500	5.160	0.311
HI-356	5.750	5.410	0.311
HI-358	6.000	5.660	0.311
HI-360	6.250	5.910	0.311



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