



Static Seals Guide



#SealingExcellence



Important Information

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TTIPL strongly urge its customers and associates to validate the products that are being offered, to ensure its suitability and performance, based on their applications, hardware & operating conditions, through their own analysis and testing.

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Introduction to Static Seals

Static Seals

Static Seals as the name suggests, is more commonly used for static applications, which is also critical for the successful sealing of a hydraulic or pneumatic system. Some of the seals from this group like O-Ring, Lobe Seal etc., used to be used as Dynamic Seals (or rather still being used), which were then over a period of time, replaced by seals manufactured from newer materials like PTFE, PA etc., due to its superior characteristics in dynamic applications.

Even though O-Ring is one of the most widely used element as the Static Seal, there are other Seals also like Lobe Seals, Bonded Seals, Dual Seals, Back-Up Rings, Flat Gaskets, Square Seals etc. which are also elements falling in the same group. Of course, there are then a variety of different designs by several manufacturers, which had been designed and develop to meet various specific requirements.

Triada® has a wide range of O-Rings meeting to various standards like AS568, DIN, ISO etc. and also in various compounds. We do supply these O-Rings in different colors, as specified by the Customer, subject to certain terms and conditions. Similar is the case with any other elastomer seals too. Back-Up Rings are available in various cross-section profiles or it could be in a cut or uncut style or even in a spiral form. These are also available in concave profile, which mostly comes in NBR compound.

Selection of the right static seal is important, as one need to ensure that these do not become the weakest link in the entire sealing system. So, equal importance is to be given in selection of these seals as being given to the selection of Piston or Rod Seals. Triada® can support the Customers to select the right sealing elements for the entire application, thereby delivering a leak proof system or a system as per the requirements of their Customers.

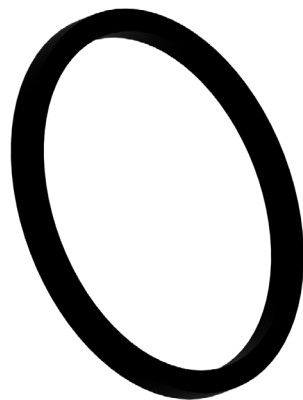
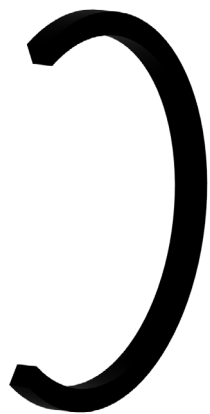


Static Seals

KSQ



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Description

As the name says Square Ring is an endless ring with a square cross section. A Square Ring is defined by its inside diameter (ID) and Cross section (T) and used as a Dynamic or Static Seal, usually installed in a rectangular machined groove.



Diameter Range

Ø7.00 – Ø466.00



Standard material

TRIAFLEX® T571(NBR70)



Temperature(°C)

-40° C to 200° C (Based on Elastomer Material).



Fluids

Hydraulic fluids (Mineral Oil based), Water, Air etc, depending on Seal Compounds selected. Conditions).



Pressure

<500 bar (Please consult Triada Technologies for applications above 500bar)

Material Details

Square Ring Material	Material Code
NBR 70	T571
NBR 90	T591
FKM 70	T675
FKM 90	T691
EPDM 70	T771
HNBR 70	T532

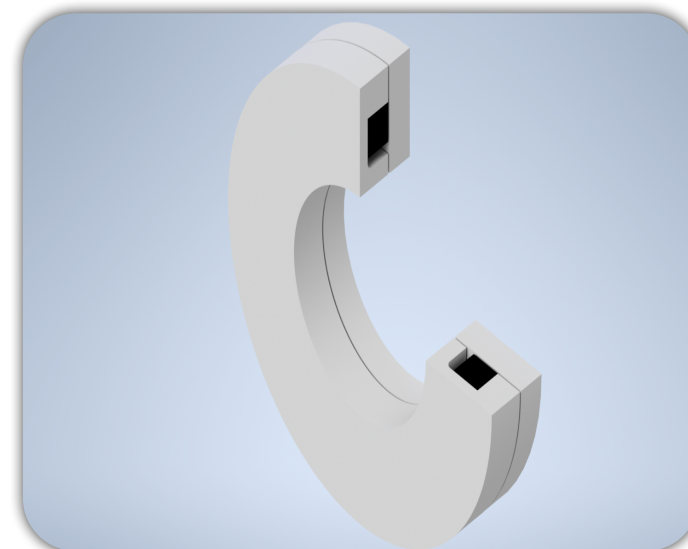
Cross Section "W"	Tolerance $\pm$	Cross Section "T"	Tolerance $\pm$
1.68	0.15	1.68	0.08
2.51	0.15	2.51	0.10
3.40	0.15	3.40	0.10
5.16	0.15	5.16	0.10
6.73	0.15	6.73	0.10

Nomenclature

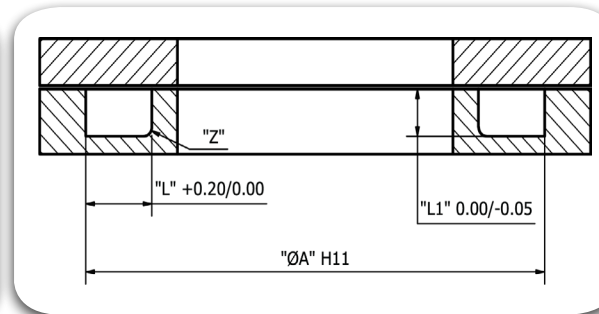
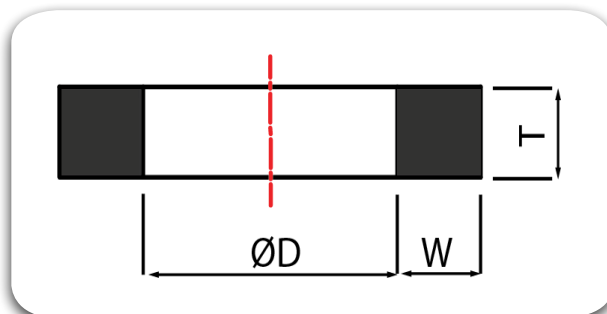
Part No	KSQ	00106	0125	T571
Seal profile	Square Ring ID x 100	Cross Section x 100	Seal Material Code	

Inside Diameter I.D (mm)	Tolerance (mm) $\pm$
4.00 - 14.00	0.13
14.01 - 15.60	0.18
15.61 - 25.12	0.23
25.13 - 29.78	0.25
29.79 - 34.65	0.28
34.66 - 44.17	0.33
44.18 - 50.52	0.38
50.53 - 66.40	0.46
66.41 - 75.92	0.51
75.93 - 94.97	0.61
94.98 - 107.67	0.69

Inside Diameter I.D (mm)	Tolerance (mm) $\pm$
107.68 - 126.72	0.76
126.73 - 133.07	0.94
133.08 - 158.42	0.89
158.43 - 183.42	1.02
183.43 - 209.22	1.14
209.23 - 234.62	1.27
234.63 - 278.99	1.40
279.00 - 405.26	1.65
405.27 - 430.66	1.91
430.67 - 456.07	2.03

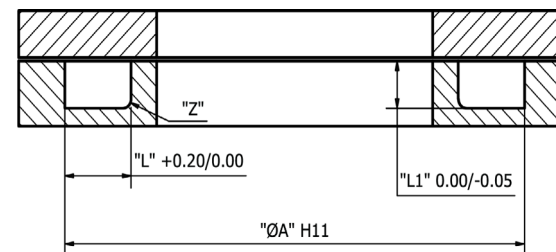
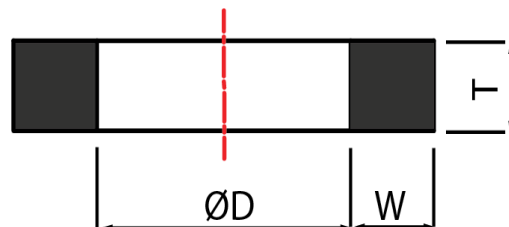


Static Seal



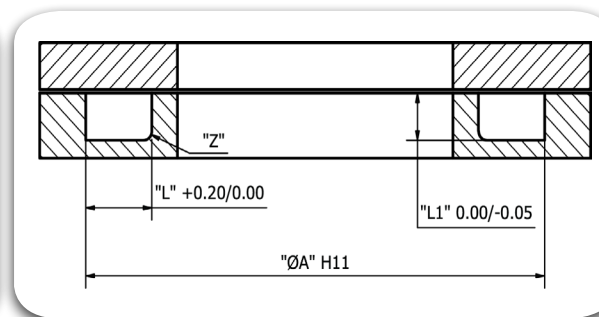
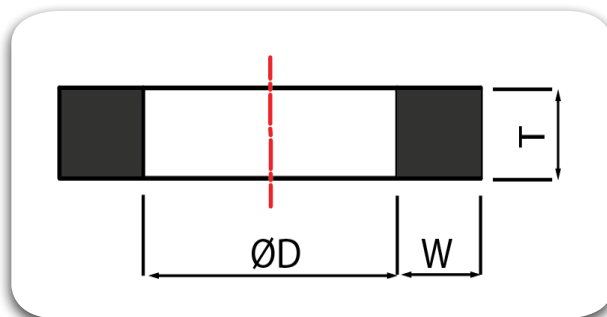
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
1	KSQ00447 0168 T591	7.92	2.40	1.45	0.40	4.47	1.68	1.68
2	KSQ00528 0168 T591	8.71	2.40	1.45	0.40	5.28	1.68	1.68
3	KSQ00607 0168 T591	9.53	2.40	1.45	0.40	6.07	1.68	1.68
4	KSQ00765 0168 T591	11.10	2.40	1.45	0.40	7.65	1.68	1.68
5	KSQ00925 0168 T591	12.70	2.40	1.45	0.40	9.25	1.68	1.68
6	KSQ01082 0168 T591	14.27	2.40	1.45	0.40	10.82	1.68	1.68
7	KSQ01242 0168 T591	15.88	2.40	1.45	0.40	12.42	1.68	1.68
8	KSQ01400 0168 T591	17.45	2.40	1.45	0.40	14.00	1.68	1.68
9	KSQ01560 0168 T591	19.05	2.40	1.45	0.40	15.60	1.68	1.68
10	KSQ01717 0168 T591	20.62	2.40	1.45	0.40	17.17	1.68	1.68
11	KSQ01877 0168 T591	22.23	2.40	1.45	0.40	18.77	1.68	1.68
12	KSQ02035 0168 T591	23.80	2.40	1.45	0.40	20.35	1.68	1.68
13	KSQ02195 0168 T591	25.40	2.40	1.45	0.40	21.95	1.68	1.68
14	KSQ02352 0168 T591	26.97	2.40	1.45	0.40	23.52	1.68	1.68
15	KSQ02512 0168 T591	28.58	2.40	1.45	0.40	25.12	1.68	1.68
16	KSQ02670 0168 T591	30.15	2.40	1.45	0.40	26.70	1.68	1.68
17	KSQ02830 0168 T591	31.75	2.40	1.45	0.40	28.30	1.68	1.68
18	KSQ02987 0168 T591	33.32	2.40	1.45	0.40	29.87	1.68	1.68
19	KSQ03147 0168 T591	34.93	2.40	1.45	0.40	31.47	1.68	1.68
20	KSQ03305 0168 T591	36.50	2.40	1.45	0.40	33.05	1.68	1.68

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
21	KSQ03465 0168 T591	38.10	2.40	1.45	0.40	34.65	1.68	1.68
22	KSQ03782 0168 T591	41.28	2.40	1.45	0.40	37.82	1.68	1.68
23	KSQ04100 0168 T591	44.45	2.40	1.45	0.40	41.00	1.68	1.68
24	KSQ04417 0168 T591	47.63	2.40	1.45	0.40	44.17	1.68	1.68
25	KSQ04735 0168 T591	50.80	2.40	1.45	0.40	47.35	1.68	1.68
26	KSQ05052 0168 T591	53.98	2.40	1.45	0.40	50.52	1.68	1.68
27	KSQ05370 0168 T591	57.15	2.40	1.45	0.40	53.70	1.68	1.68
28	KSQ05687 0168 T591	60.33	2.40	1.45	0.40	56.87	1.68	1.68
29	KSQ06005 0168 T591	63.50	2.40	1.45	0.40	60.05	1.68	1.68
30	KSQ06322 0168 T591	66.68	2.40	1.45	0.40	63.22	1.68	1.68
31	KSQ06640 0168 T591	69.85	2.40	1.45	0.40	66.40	1.68	1.68
32	KSQ06957 0168 T591	73.03	2.40	1.45	0.40	69.57	1.68	1.68
33	KSQ07275 0168 T591	76.20	2.40	1.45	0.40	72.75	1.68	1.68
34	KSQ07592 0168 T591	79.38	2.40	1.45	0.40	75.92	1.68	1.68
35	KSQ08227 0168 T591	85.73	2.40	1.45	0.40	82.27	1.68	1.68
36	KSQ08862 0168 T591	92.08	2.40	1.45	0.40	88.62	1.68	1.68
37	KSQ09497 0168 T591	98.43	2.40	1.45	0.40	94.97	1.68	1.68
38	KSQ10132 0168 T591	107.95	2.40	1.45	0.40	101.32	1.68	1.68
39	KSQ10767 0168 T591	111.13	2.40	1.45	0.40	107.67	1.68	1.68
40	KSQ11402 0168 T591	117.48	2.40	1.45	0.40	114.02	1.68	1.68



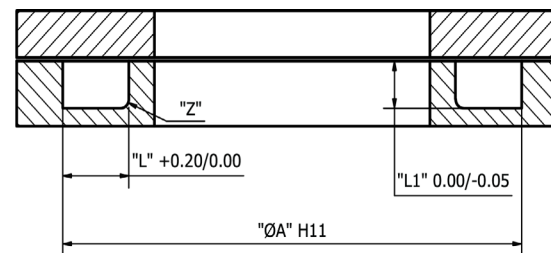
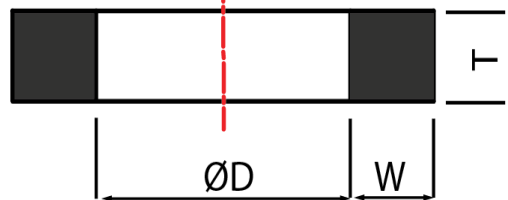
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
41	KSQ12037 0168 T591	123.83	2.40	1.45	0.40	120.37	1.68	1.68
42	KSQ12672 0168 T591	130.18	2.40	1.45	0.40	126.72	1.68	1.68
43	KSQ13307 0168 T591	136.53	2.40	1.45	0.40	133.07	1.68	1.68
44	KSQ00442 0251 T591	9.53	3.60	2.30	0.40	4.42	2.51	2.51
45	KSQ00523 0251 T591	10.31	3.60	2.30	0.40	5.23	2.51	2.51
46	KSQ00602 0251 T591	11.10	3.60	2.30	0.40	6.02	2.51	2.51
47	KSQ00759 0251 T591	12.70	3.60	2.30	0.40	7.59	2.51	2.51
48	KSQ00919 0251 T591	14.27	3.60	2.30	0.40	9.19	2.51	2.51
49	KSQ01077 0251 T591	15.88	3.60	2.30	0.40	10.77	2.51	2.51
50	KSQ01237 0251 T591	17.45	3.60	2.30	0.40	12.37	2.51	2.51
51	KSQ01394 0251 T591	19.05	3.60	2.30	0.40	13.94	2.51	2.51
52	KSQ01554 0251 T591	20.62	3.60	2.30	0.40	15.54	2.51	2.51
53	KSQ01712 0251 T591	22.23	3.60	2.30	0.40	17.12	2.51	2.51
54	KSQ01872 0251 T591	23.80	3.60	2.30	0.40	18.72	2.51	2.51
55	KSQ02029 0251 T591	25.40	3.60	2.30	0.40	20.29	2.51	2.51
56	KSQ02189 0251 T591	26.97	3.60	2.30	0.40	21.89	2.51	2.51
57	KSQ02347 0251 T591	28.58	3.60	2.30	0.40	23.47	2.51	2.51
58	KSQ02507 0251 T591	30.15	3.60	2.30	0.40	25.07	2.51	2.51
59	KSQ02664 0251 T591	31.75	3.60	2.30	0.40	26.64	2.51	2.51
60	KSQ02824 0251 T591	33.32	3.60	2.30	0.40	28.24	2.51	2.51

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
61	KSQ02982 0251 T591	34.93	3.60	2.30	0.40	29.82	2.51	2.51
62	KSQ03142 0251 T591	36.50	3.60	2.30	0.40	31.42	2.51	2.51
63	KSQ03299 0251 T591	38.10	3.60	2.30	0.40	32.99	2.51	2.51
64	KSQ03459 0251 T591	39.67	3.60	2.30	0.40	34.59	2.51	2.51
65	KSQ03617 0251 T591	41.28	3.60	2.30	0.40	36.17	2.51	2.51
66	KSQ03777 0251 T591	42.85	3.60	2.30	0.40	37.77	2.51	2.51
67	KSQ03934 0251 T591	44.45	3.60	2.30	0.40	39.34	2.51	2.51
68	KSQ04094 0251 T591	46.02	3.60	2.30	0.40	40.94	2.51	2.51
69	KSQ04252 0251 T591	47.63	3.60	2.30	0.40	42.52	2.51	2.51
70	KSQ04412 0251 T591	49.20	3.60	2.30	0.40	44.12	2.51	2.51
71	KSQ04569 0251 T591	50.80	3.60	2.30	0.40	45.69	2.51	2.51
72	KSQ04729 0251 T591	52.37	3.60	2.30	0.40	47.29	2.51	2.51
73	KSQ04890 0251 T591	53.98	3.60	2.30	0.40	48.90	2.51	2.51
74	KSQ05047 0251 T591	55.55	3.60	2.30	0.40	50.47	2.51	2.51
75	KSQ05207 0251 T591	57.15	3.60	2.30	0.40	52.07	2.51	2.51
76	KSQ05364 0251 T591	58.72	3.60	2.30	0.40	53.64	2.51	2.51
77	KSQ05525 0251 T591	60.33	3.60	2.30	0.40	55.25	2.51	2.51
78	KSQ05682 0251 T591	61.90	3.60	2.30	0.40	56.82	2.51	2.51
79	KSQ05842 0251 T591	63.50	3.60	2.30	0.40	58.42	2.51	2.51
80	KSQ06000 0251 T591	65.07	3.60	2.30	0.40	60.00	2.51	2.51



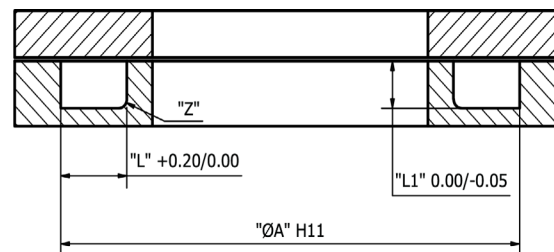
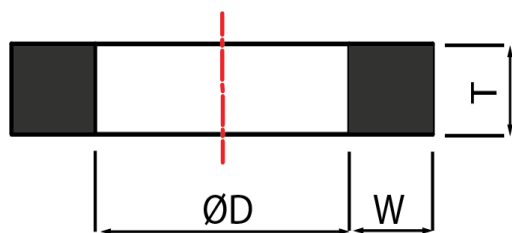
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
81	KSQ06160 0251 T591	66.68	3.60	2.30	0.40	61.60	2.51	2.51
82	KSQ06317 0251 T591	68.25	3.60	2.30	0.40	63.17	2.51	2.51
83	KSQ06477 0251 T591	69.85	3.60	2.30	0.40	64.77	2.51	2.51
84	KSQ06634 0251 T591	71.42	3.60	2.30	0.40	66.34	2.51	2.51
85	KSQ06795 0251 T591	73.03	3.60	2.30	0.40	67.95	2.51	2.51
86	KSQ06952 0251 T591	74.60	3.60	2.30	0.40	69.52	2.51	2.51
87	KSQ07112 0251 T591	76.20	3.60	2.30	0.40	71.12	2.51	2.51
88	KSQ07269 0251 T591	77.77	3.60	2.30	0.40	72.69	2.51	2.51
89	KSQ07587 0251 T591	80.95	3.60	2.30	0.40	75.87	2.51	2.51
90	KSQ08222 0251 T591	87.30	3.60	2.30	0.40	82.22	2.51	2.51
91	KSQ08857 0251 T591	93.65	3.60	2.30	0.40	88.57	2.51	2.51
92	KSQ09492 0251 T591	100.00	3.60	2.30	0.40	94.92	2.51	2.51
93	KSQ10127 0251 T591	106.35	3.60	2.30	0.40	101.27	2.51	2.51
94	KSQ10762 0251 T591	112.70	3.60	2.30	0.40	107.62	2.51	2.51
95	KSQ11397 0251 T591	119.05	3.60	2.30	0.40	113.97	2.51	2.51
96	KSQ12032 0251 T591	125.40	3.60	2.30	0.40	120.32	2.51	2.51
97	KSQ12667 0251 T591	131.75	3.60	2.30	0.40	126.67	2.51	2.51
98	KSQ13302 0251 T591	138.10	3.60	2.30	0.40	133.02	2.51	2.51
99	KSQ13937 0251 T591	144.45	3.60	2.30	0.40	139.37	2.51	2.51
100	KSQ14572 0251 T591	150.80	3.60	2.30	0.40	145.72	2.51	2.51

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
101	KSQ15207 0251 T591	157.15	3.60	2.30	0.40	152.07	2.51	2.51
102	KSQ15842 0251 T591	163.50	3.60	2.30	0.40	158.42	2.51	2.51
103	KSQ16477 0251 T591	169.85	3.60	2.30	0.40	164.77	2.51	2.51
104	KSQ17112 0251 T591	176.20	3.60	2.30	0.40	171.12	2.51	2.51
105	KSQ17747 0251 T591	182.55	3.60	2.30	0.40	177.47	2.51	2.51
106	KSQ18382 0251 T591	188.90	3.60	2.30	0.40	183.82	2.51	2.51
107	KSQ19017 0251 T591	195.25	3.60	2.30	0.40	190.17	2.51	2.51
108	KSQ19652 0251 T591	201.60	3.60	2.30	0.40	196.52	2.51	2.51
109	KSQ20287 0251 T591	207.95	3.60	2.30	0.40	202.87	2.51	2.51
110	KSQ20922 0251 T591	214.30	3.60	2.30	0.40	209.22	2.51	2.51
111	KSQ21557 0251 T591	220.65	3.60	2.30	0.40	215.57	2.51	2.51
112	KSQ22192 0251 T591	227.00	3.60	2.30	0.40	221.92	2.51	2.51
113	KSQ22827 0251 T591	233.35	3.60	2.30	0.40	228.27	2.51	2.51
114	KSQ23462 0251 T591	239.70	3.60	2.30	0.40	234.62	2.51	2.51
115	KSQ24097 0251 T591	246.05	3.60	2.30	0.40	240.97	2.51	2.51
116	KSQ24732 0251 T591	252.40	3.60	2.30	0.40	247.32	2.51	2.51
117	KSQ00434 0340 T591	11.10	4.80	3.10	0.60	4.34	3.40	3.40
118	KSQ00594 0340 T591	12.70	4.80	3.10	0.60	5.94	3.40	3.40
119	KSQ00752 0340 T591	14.27	4.80	3.10	0.60	7.52	3.40	3.40
120	KSQ00912 0340 T591	15.88	4.80	3.10	0.60	9.12	3.40	3.40



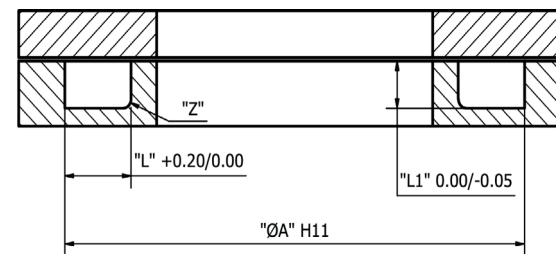
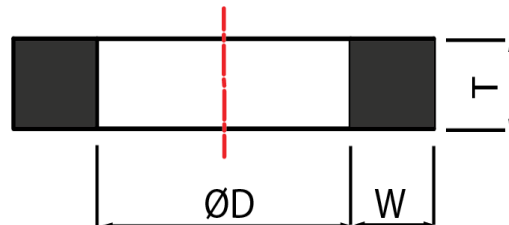
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
121	KSQ01069 0340 T591	17.45	4.80	3.10	0.60	10.69	3.40	3.40
122	KSQ01229 0340 T591	19.05	4.80	3.10	0.60	12.29	3.40	3.40
123	KSQ01387 0340 T591	20.62	4.80	3.10	0.60	13.87	3.40	3.40
124	KSQ01547 0340 T591	22.23	4.80	3.10	0.60	15.47	3.40	3.40
125	KSQ01704 0340 T591	23.80	4.80	3.10	0.60	17.04	3.40	3.40
126	KSQ01864 0340 T591	25.40	4.80	3.10	0.60	18.64	3.40	3.40
127	KSQ02022 0340 T591	26.97	4.80	3.10	0.60	20.22	3.40	3.40
128	KSQ02182 0340 T591	28.58	4.80	3.10	0.60	21.82	3.40	3.40
129	KSQ02339 0340 T591	30.15	4.80	3.10	0.60	23.39	3.40	3.40
130	KSQ02499 0340 T591	31.75	4.80	3.10	0.60	24.99	3.40	3.40
131	KSQ02657 0340 T591	33.32	4.80	3.10	0.60	26.57	3.40	3.40
132	KSQ02817 0340 T591	34.93	4.80	3.10	0.60	28.17	3.40	3.40
133	KSQ02974 0340 T591	36.50	4.80	3.10	0.60	29.74	3.40	3.40
134	KSQ03134 0340 T591	38.10	4.80	3.10	0.60	31.34	3.40	3.40
135	KSQ03292 0340 T591	39.67	4.80	3.10	0.60	32.92	3.40	3.40
136	KSQ03452 0340 T591	41.28	4.80	3.10	0.60	34.52	3.40	3.40
137	KSQ03609 0340 T591	42.85	4.80	3.10	0.60	36.09	3.40	3.40
138	KSQ03769 0340 T591	44.45	4.80	3.10	0.60	37.69	3.40	3.40
139	KSQ04087 0340 T591	47.63	4.80	3.10	0.60	40.87	3.40	3.40
140	KSQ04404 0340 T591	50.80	4.80	3.10	0.60	44.04	3.40	3.40

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
141	KSQ04722 0340 T591	53.98	4.80	3.10	0.60	47.22	3.40	3.40
142	KSQ05039 0340 T591	57.15	4.80	3.10	0.60	50.39	3.40	3.40
143	KSQ05357 0340 T591	60.33	4.80	3.10	0.60	53.57	3.40	3.40
144	KSQ05674 0340 T591	63.50	4.80	3.10	0.60	56.74	3.40	3.40
145	KSQ05992 0340 T591	66.68	4.80	3.10	0.60	59.92	3.40	3.40
146	KSQ06309 0340 T591	69.85	4.80	3.10	0.60	63.09	3.40	3.40
147	KSQ06627 0340 T591	73.03	4.80	3.10	0.60	66.27	3.40	3.40
148	KSQ06944 0340 T591	76.20	4.80	3.10	0.60	69.44	3.40	3.40
149	KSQ07262 0340 T591	79.38	4.80	3.10	0.60	72.62	3.40	3.40
150	KSQ07579 0340 T591	82.55	4.80	3.10	0.60	75.79	3.40	3.40
151	KSQ07897 0340 T591	85.73	4.80	3.10	0.60	78.97	3.40	3.40
152	KSQ08214 0340 T591	88.90	4.80	3.10	0.60	82.14	3.40	3.40
153	KSQ08532 0340 T591	92.08	4.80	3.10	0.60	85.32	3.40	3.40
154	KSQ08849 0340 T591	95.25	4.80	3.10	0.60	88.49	3.40	3.40
155	KSQ09167 0340 T591	98.43	4.80	3.10	0.60	91.67	3.40	3.40
156	KSQ09484 0340 T591	101.60	4.80	3.10	0.60	94.84	3.40	3.40
157	KSQ09802 0340 T591	104.78	4.80	3.10	0.60	98.02	3.40	3.40
158	KSQ10119 0340 T591	107.95	4.80	3.10	0.60	101.19	3.40	3.40
159	KSQ10437 0340 T591	111.13	4.80	3.10	0.60	104.37	3.40	3.40
160	KSQ10754 0340 T591	114.30	4.80	3.10	0.60	107.54	3.40	3.40



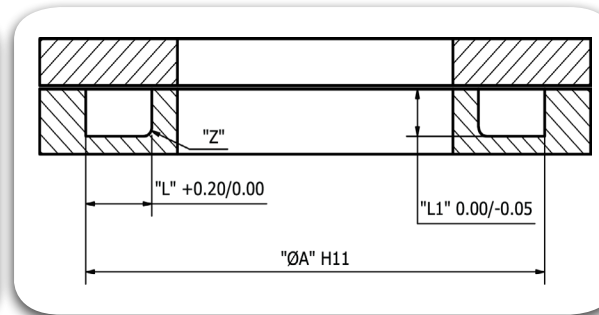
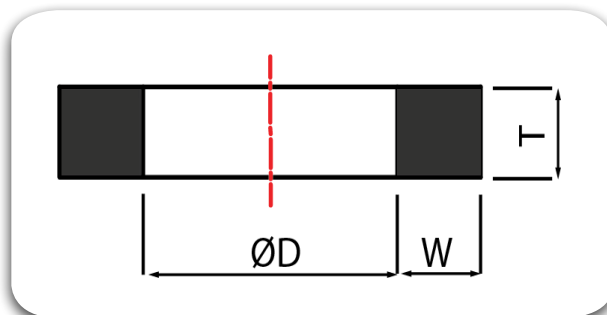
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
161	KSQ11072 0340 T591	117.48	4.80	3.10	0.60	110.72	3.40	3.40
162	KSQ11389 0340 T591	120.65	4.80	3.10	0.60	113.89	3.40	3.40
163	KSQ11707 0340 T591	123.83	4.80	3.10	0.60	117.07	3.40	3.40
164	KSQ12024 0340 T591	127.00	4.80	3.10	0.60	120.24	3.40	3.40
165	KSQ12342 0340 T591	130.18	4.80	3.10	0.60	123.42	3.40	3.40
166	KSQ12659 0340 T591	133.35	4.80	3.10	0.60	126.59	3.40	3.40
167	KSQ12977 0340 T591	136.53	4.80	3.10	0.60	129.77	3.40	3.40
168	KSQ13294 0340 T591	139.70	4.80	3.10	0.60	132.94	3.40	3.40
169	KSQ13612 0340 T591	142.88	4.80	3.10	0.60	136.12	3.40	3.40
170	KSQ13929 0340 T591	146.05	4.80	3.10	0.60	139.29	3.40	3.40
171	KSQ14247 0340 T591	149.23	4.80	3.10	0.60	142.47	3.40	3.40
172	KSQ14564 0340 T591	153.40	4.80	3.10	0.60	145.64	3.40	3.40
173	KSQ14882 0340 T591	155.58	4.80	3.10	0.60	148.82	3.40	3.40
174	KSQ15199 0340 T591	158.75	4.80	3.10	0.60	151.99	3.40	3.40
175	KSQ15834 0340 T591	165.10	4.80	3.10	0.60	158.34	3.40	3.40
176	KSQ16469 0340 T591	171.45	4.80	3.10	0.60	164.69	3.40	3.40
177	KSQ17104 0340 T591	177.80	4.80	3.10	0.60	171.04	3.40	3.40
178	KSQ17739 0340 T591	184.15	4.80	3.10	0.60	177.39	3.40	3.40
179	KSQ18374 0340 T591	190.50	4.80	3.10	0.60	183.74	3.40	3.40
180	KSQ19009 0340 T591	196.85	4.80	3.10	0.60	190.09	3.40	3.40

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
181	KSQ19644 0340 T591	203.20	4.80	3.10	0.60	196.44	3.40	3.40
182	KSQ20279 0340 T591	209.55	4.80	3.10	0.60	202.79	3.40	3.40
183	KSQ20914 0340 T591	215.90	4.80	3.10	0.60	209.14	3.40	3.40
184	KSQ21549 0340 T591	222.25	4.80	3.10	0.60	215.49	3.40	3.40
185	KSQ22184 0340 T591	228.60	4.80	3.10	0.60	221.84	3.40	3.40
186	KSQ22819 0340 T591	234.95	4.80	3.10	0.60	228.19	3.40	3.40
187	KSQ23454 0340 T591	241.30	4.80	3.10	0.60	234.54	3.40	3.40
188	KSQ24089 0340 T591	247.65	4.80	3.10	0.60	240.89	3.40	3.40
189	KSQ24724 0340 T591	254.00	4.80	3.10	0.60	247.24	3.40	3.40
190	KSQ25359 0340 T591	260.35	4.80	3.10	0.60	253.59	3.40	3.40
191	KSQ26629 0340 T591	273.05	4.80	3.10	0.60	266.29	3.40	3.40
192	KSQ27899 0340 T591	285.75	4.80	3.10	0.60	278.99	3.40	3.40
193	KSQ29169 0340 T591	298.45	4.80	3.10	0.60	291.69	3.40	3.40
194	KSQ30439 0340 T591	311.15	4.80	3.10	0.60	304.39	3.40	3.40
195	KSQ32979 0340 T591	336.55	4.80	3.10	0.60	329.79	3.40	3.40
196	KSQ35519 0340 T591	361.95	4.80	3.10	0.60	355.19	3.40	3.40
197	KSQ38059 0340 T591	387.35	4.80	3.10	0.60	380.59	3.40	3.40
198	KSQ40526 0340 T591	412.75	4.80	3.10	0.60	405.26	3.40	3.40
199	KSQ43066 0340 T591	438.15	4.80	3.10	0.60	430.66	3.40	3.40
200	KSQ45606 0340 T591	463.55	4.80	3.10	0.60	456.06	3.40	3.40



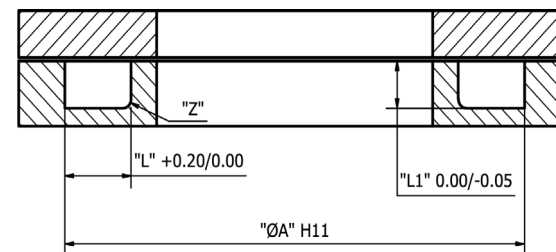
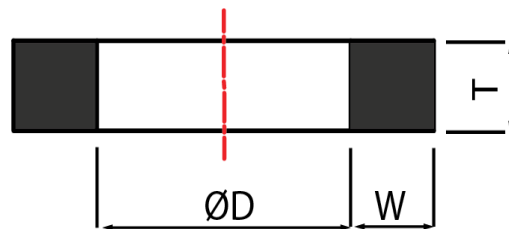
Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
201	KSQ01046 0516 T591	20.62	7.10	4.75	0.80	10.46	5.16	5.16
202	KSQ01207 0516 T591	22.23	7.10	4.75	0.80	12.07	5.16	5.16
203	KSQ01364 0516 T591	23.80	7.10	4.75	0.80	13.64	5.16	5.16
204	KSQ01524 0516 T591	25.40	7.10	4.75	0.80	15.24	5.16	5.16
205	KSQ01681 0516 T591	26.97	7.10	4.75	0.80	16.81	5.16	5.16
206	KSQ01842 0516 T591	28.58	7.10	4.75	0.80	18.42	5.16	5.16
207	KSQ01999 0516 T591	30.15	7.10	4.75	0.80	19.99	5.16	5.16
208	KSQ02159 0516 T591	31.75	7.10	4.75	0.80	21.59	5.16	5.16
209	KSQ02316 0516 T591	33.32	7.10	4.75	0.80	23.16	5.16	5.16
210	KSQ02477 0516 T591	34.93	7.10	4.75	0.80	24.77	5.16	5.16
211	KSQ02634 0516 T591	36.50	7.10	4.75	0.80	26.34	5.16	5.16
212	KSQ02794 0516 T591	38.10	7.10	4.75	0.80	27.94	5.16	5.16
213	KSQ02951 0516 T591	39.67	7.10	4.75	0.80	29.51	5.16	5.16
214	KSQ03112 0516 T591	41.28	7.10	4.75	0.80	31.12	5.16	5.16
215	KSQ03269 0516 T591	42.85	7.10	4.75	0.80	32.69	5.16	5.16
216	KSQ03429 0516 T591	44.45	7.10	4.75	0.80	34.29	5.16	5.16
217	KSQ03747 0516 T591	47.63	7.10	4.75	0.80	37.47	5.16	5.16
218	KSQ04064 0516 T591	50.80	7.10	4.75	0.80	40.64	5.16	5.16
219	KSQ04382 0516 T591	53.98	7.10	4.75	0.80	43.82	5.16	5.16
220	KSQ04699 0516 T591	57.15	7.10	4.75	0.80	46.99	5.16	5.16

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
221	KSQ05017 0516 T591	60.33	7.10	4.75	0.80	50.17	5.16	5.16
222	KSQ05334 0516 T591	63.50	7.10	4.75	0.80	53.34	5.16	5.16
223	KSQ05652 0516 T591	66.68	7.10	4.75	0.80	56.52	5.16	5.16
224	KSQ05969 0516 T591	69.85	7.10	4.75	0.80	59.69	5.16	5.16
225	KSQ06287 0516 T591	73.03	7.10	4.75	0.80	62.87	5.16	5.16
226	KSQ06604 0516 T591	76.20	7.10	4.75	0.80	66.04	5.16	5.16
227	KSQ06922 0516 T591	79.38	7.10	4.75	0.80	69.22	5.16	5.16
228	KSQ07239 0516 T591	82.55	7.10	4.75	0.80	72.39	5.16	5.16
229	KSQ07557 0516 T591	85.73	7.10	4.75	0.80	75.57	5.16	5.16
230	KSQ07874 0516 T591	88.90	7.10	4.75	0.80	78.74	5.16	5.16
231	KSQ08192 0516 T591	92.08	7.10	4.75	0.80	81.92	5.16	5.16
232	KSQ08509 0516 T591	95.25	7.10	4.75	0.80	85.09	5.16	5.16
233	KSQ08827 0516 T591	98.43	7.10	4.75	0.80	88.27	5.16	5.16
234	KSQ09144 0516 T591	101.60	7.10	4.75	0.80	91.44	5.16	5.16
235	KSQ09462 0516 T591	104.78	7.10	4.75	0.80	94.62	5.16	5.16
236	KSQ09779 0516 T591	107.95	7.10	4.75	0.80	97.79	5.16	5.16
237	KSQ10097 0516 T591	111.13	7.10	4.75	0.80	100.97	5.16	5.16
238	KSQ10497 0516 T591	114.30	7.10	4.75	0.80	104.14	5.16	5.16
239	KSQ10732 0516 T591	117.48	7.10	4.75	0.80	107.32	5.16	5.16
240	KSQ11049 0516 T591	120.65	7.10	4.75	0.80	110.49	5.16	5.16



Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
241	KSQ11367 0516 T591	123.83	7.10	4.75	0.80	113.67	5.16	5.16
242	KSQ11684 0516 T591	127.00	7.10	4.75	0.80	116.84	5.16	5.16
243	KSQ12002 0516 T591	130.18	7.10	4.75	0.80	120.02	5.16	5.16
244	KSQ12319 0516 T591	133.35	7.10	4.75	0.80	123.19	5.16	5.16
245	KSQ12637 0516 T591	136.53	7.10	4.75	0.80	126.37	5.16	5.16
246	KSQ12954 0516 T591	139.70	7.10	4.75	0.80	129.54	5.16	5.16
247	KSQ13272 0516 T591	142.88	7.10	4.75	0.80	132.72	5.16	5.16
248	KSQ13589 0516 T591	146.05	7.10	4.75	0.80	135.89	5.16	5.16
249	KSQ13907 0516 T591	149.23	7.10	4.75	0.80	139.07	5.16	5.16
250	KSQ14224 0516 T591	152.40	7.10	4.75	0.80	142.24	5.16	5.16
251	KSQ14542 0516 T591	155.58	7.10	4.75	0.80	145.42	5.16	5.16
252	KSQ14859 0516 T591	158.75	7.10	4.75	0.80	148.59	5.16	5.16
253	KSQ15177 0516 T591	161.93	7.10	4.75	0.80	151.77	5.16	5.16
254	KSQ15812 0516 T591	168.28	7.10	4.75	0.80	158.12	5.16	5.16
255	KSQ16447 0516 T591	174.63	7.10	4.75	0.80	164.47	5.16	5.16
256	KSQ17082 0516 T591	180.98	7.10	4.75	0.80	170.82	5.16	5.16
257	KSQ17717 0516 T591	187.33	7.10	4.75	0.80	177.17	5.16	5.16
258	KSQ18352 0516 T591	193.68	7.10	4.75	0.80	183.52	5.16	5.16
259	KSQ18987 0516 T591	200.03	7.10	4.75	0.80	189.87	5.16	5.16
260	KSQ19622 0516 T591	206.38	7.10	4.75	0.80	196.22	5.16	5.16

Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
261	KSQ20257 0516 T591	212.73	7.10	4.75	0.80	202.57	5.16	5.16
262	KSQ20892 0516 T591	219.08	7.10	4.75	0.80	208.92	5.16	5.16
263	KSQ21527 0516 T591	225.43	7.10	4.75	0.80	215.27	5.16	5.16
264	KSQ22162 0516 T591	231.78	7.10	4.75	0.80	221.62	5.16	5.16
265	KSQ22797 0516 T591	238.13	7.10	4.75	0.80	227.97	5.16	5.16
266	KSQ23432 0516 T591	244.48	7.10	4.75	0.80	234.32	5.16	5.16
267	KSQ24067 0516 T591	250.83	7.10	4.75	0.80	240.67	5.16	5.16
268	KSQ24702 0516 T591	257.18	7.10	4.75	0.80	247.02	5.16	5.16
269	KSQ25337 0516 T591	263.53	7.10	4.75	0.80	253.37	5.16	5.16
270	KSQ26607 0516 T591	276.23	7.10	4.75	0.80	266.07	5.16	5.16
271	KSQ27877 0516 T591	288.93	7.10	4.75	0.80	278.77	5.16	5.16
272	KSQ29147 0516 T591	301.63	7.10	4.75	0.80	291.47	5.16	5.16
273	KSQ30417 0516 T591	314.33	7.10	4.75	0.80	304.17	5.16	5.16
274	KSQ32957 0516 T591	339.73	7.10	4.75	0.80	329.57	5.16	5.16
275	KSQ34597 0516 T591	365.13	7.10	4.75	0.80	345.97	5.16	5.16
276	KSQ38037 0516 T591	390.53	7.10	4.75	0.80	380.37	5.16	5.16
277	KSQ40527 0516 T591	415.93	7.10	4.75	0.80	405.27	5.16	5.16
278	KSQ43067 0516 T591	441.33	7.10	4.75	0.80	430.67	5.16	5.16
279	KSQ45607 0516 T591	466.73	7.10	4.75	0.80	456.07	5.16	5.16
280	KSQ11367 0673 T591	127.00	9.50	6.10	0.80	113.67	6.73	6.73



Sl. No.	TRIADA® Part Numbers	Groove Dimensions			Groove Bottom Radius "Z"	Ring Dimensions		
		"ØA" H11	"L" +0.2	"L1" -0.05		"ØD"	W	T
281	KSQ11684 0673 T591	130.18	9.50	6.10	0.80	116.84	6.73	6.73
282	KSQ12002 0673 T591	133.35	9.50	6.10	0.80	120.02	6.73	6.73
283	KSQ12319 0673 T591	136.53	9.50	6.10	0.80	123.19	6.73	6.73
284	KSQ12637 0673 T591	139.70	9.50	6.10	0.80	126.37	6.73	6.73
285	KSQ12954 0673 T591	142.88	9.50	6.10	0.80	129.54	6.73	6.73
286	KSQ13272 0673 T591	146.05	9.50	6.10	0.80	132.72	6.73	6.73
287	KSQ13589 0673 T591	149.23	9.50	6.10	0.80	135.89	6.73	6.73

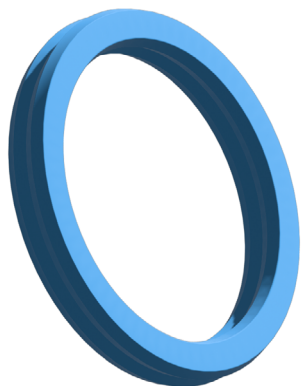
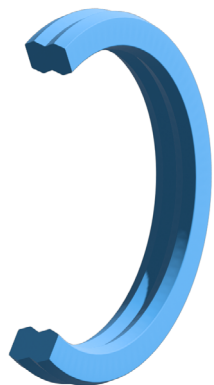


Static Seals

LA1



#SealingExcellence



Description

An excellent alternative to the O-Ring + Back-up Ring, the use of high modulus polyurethane with a low compression-set prevents winding during assembling and avoid extrusion in working conditions. One single piece with symmetric profile allows the operator easier installation reducing at the same time the stock handling.

Advantages

- Ease of assembly
- High extrusion resistance and good compression set
- Simple groove design
- Universal applicability
- No problem of twisting



Diameter Range

Ø6.00 – Ø280.00



Standard material

TRIATHANE® T479(PU)



Temperature(°C)

-35° C to 110° C



Fluids

Hydraulic fluids (Mineral Oil based)

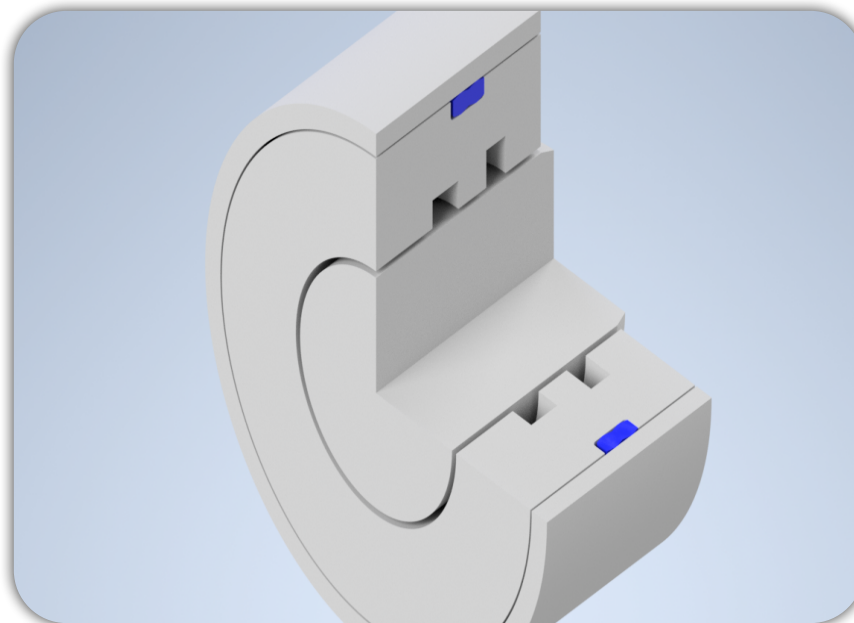


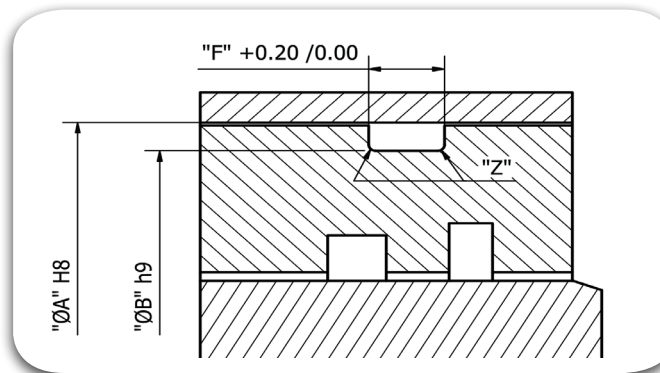
Pressure

< 500 bar (Please consult Triada Technologies for applications above 500bar)

Material Details	
Seal Material	Seal Material Code
TRIATHANE® Poly-Urethane	T479

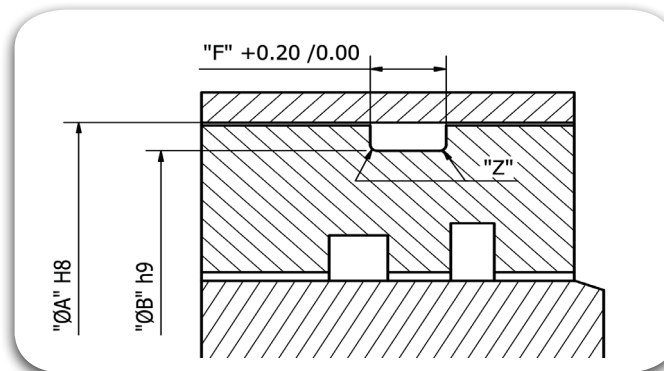
Nomenclature					
Part No	LA1	1000	0908	097	T479
Seal profile		Bore Dia x 10	Groove Dia x 10	Groove Width x 10	Seal Material Code





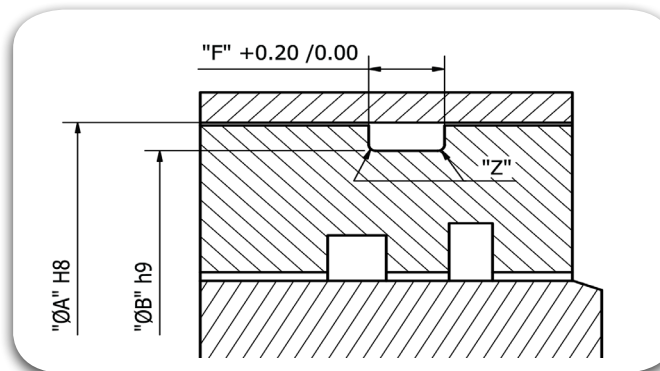
Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
1	LA1 0060 0046 024 T479	6.00	4.60	2.40	0.30
2	LA1 0100 0076 036 T479	10.00	7.60	3.60	0.30
3	LA1 0110 0086 026 T479	11.00	8.60	2.60	0.30
4	LA1 0120 0096 036 T479	12.00	9.60	3.60	0.30
5	LA1 0138 0092 031 T479	13.80	9.20	3.10	0.30
6	LA1 0150 0126 036 T479	15.00	12.60	3.60	0.30
7	LA1 0155 0131 036 T479	15.50	13.10	3.60	0.30
8	LA1 0160 0136 036 T479	16.00	13.60	3.60	0.30
9	LA1 0166 0120 031 T479	16.60	12.00	3.10	0.30
10	LA1 0170 0146 026 T479	17.00	14.60	2.60	0.30
11	LA1 0170 0146 036 T479	17.00	14.60	3.60	0.30
12	LA1 0175 0151 026 T479	17.50	15.10	2.60	0.30
13	LA1 0175 0151 036 T479	17.50	15.10	3.60	0.30
14	LA1 0180 0140 058 T479	18.00	14.00	5.80	0.30
15	LA1 0180 0156 036 T479	18.00	15.60	3.60	0.30
16	LA1 0190 0156 036 T479	19.00	15.60	3.60	0.30
17	LA1 0190 0156 044 T479	19.00	15.60	4.40	0.30
18	LA1 0190 0166 026 T479	19.00	16.60	2.60	0.30
19	LA1 0190 0166 036 T479	19.00	16.60	3.60	0.30
20	LA1 0200 0160 160 T479	20.00	16.00	16.00	0.30

Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
21	LA1 0200 0166 166 T479	20.00	16.60	16.60	0.30
22	LA1 0200 0166 166 T479	20.00	16.60	16.60	0.30
23	LA1 0200 0176 176 T479	20.00	17.60	17.60	0.30
24	LA1 0205 0172 172 T479	20.50	17.20	17.20	0.30
25	LA1 0210 0176 176 T479	21.00	17.60	17.60	0.30
26	LA1 0210 0186 186 T479	21.00	18.60	18.60	0.30
27	LA1 0215 0181 181 T479	21.50	18.10	18.10	0.30
28	LA1 0215 0191 191 T479	21.50	19.10	19.10	0.30
29	LA1 0220 0196 196 T479	22.00	19.60	19.60	0.30
30	LA1 0230 0196 196 T479	23.00	19.60	19.60	0.30
31	LA1 0230 0206 206 T479	23.00	20.60	20.60	0.30
32	LA1 0240 0200 200 T479	24.00	20.00	20.00	0.30
33	LA1 0240 0216 216 T479	24.00	21.60	21.60	0.30
34	LA1 0260 0220 220 T479	26.00	22.00	22.00	0.30
35	LA1 0268 0220 220 T479	26.80	22.00	22.00	0.30
36	LA1 0280 0238 238 T479	28.00	23.80	23.80	0.30
37	LA1 0286 0256 256 T479	28.60	25.60	25.60	0.30
38	LA1 0300 0251 251 T479	30.00	25.10	25.10	0.30
39	LA1 0300 0254 054 T479	30.00	25.40	5.40	0.30
40	LA1 0310 0264 050 T479	31.00	26.40	5.00	0.30



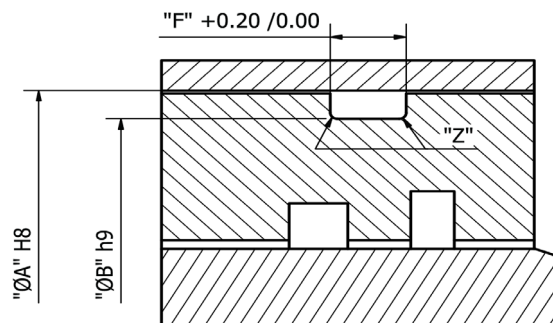
Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
41	LA1 0320 0274 054 T479	32.00	27.40	5.40	0.30
42	LA1 0330 0200 156 T479	33.00	20.00	15.60	0.30
43	LA1 0340 0284 053 T479	34.00	28.40	5.30	0.30
44	LA1 0340 0311 036 T479	34.00	31.10	3.60	0.30
45	LA1 0350 0304 050 T479	35.00	30.40	5.00	0.30
46	LA1 0355 0309 050 T479	35.50	30.90	5.00	0.30
47	LA1 0360 0320 062 T479	36.00	32.00	6.20	0.30
48	LA1 0380 0324 053 T479	38.00	32.40	5.30	0.30
49	LA1 0400 0352 054 T479	40.00	35.20	5.40	0.30
50	LA1 0400 0354 054 T479	40.00	35.40	5.40	0.30
51	LA1 0428 0380 068 T479	42.80	38.00	6.80	0.30
52	LA1 0434 0378 062 T479	43.40	37.80	6.20	0.30
53	LA1 0450 0358 097 T479	45.00	35.80	9.70	0.30
54	LA1 0450 0400 054 T479	45.00	40.00	5.40	0.30
55	LA1 0500 0408 097 T479	50.00	40.80	9.70	0.30
56	LA1 0500 0438 056 T479	50.00	43.80	5.60	0.30
57	LA1 0500 0446 062 T479	50.00	44.60	6.20	0.30
58	LA1 0500 0454 039 T479	50.00	45.40	3.90	0.30
59	LA1 0500 0454 054 T479	50.00	45.40	5.40	0.30
60	LA1 0550 0458 098 T479	55.00	45.80	9.80	0.30

Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
61	LA1 0550 0496 062 T479	55.00	49.60	6.20	0.30
62	LA1 0550 0499 053 T479	55.00	49.90	5.30	0.30
63	LA1 0550 0500 067 T479	55.00	50.00	6.70	0.30
64	LA1 0550 0510 036 T479	55.00	51.00	3.60	0.30
65	LA1 0570 0522 041 T479	57.00	52.20	4.10	0.30
66	LA1 0580 0500 090 T479	58.00	50.00	9.00	0.30
67	LA1 0600 0508 097 T479	60.00	50.80	9.70	0.30
68	LA1 0600 0544 058 T479	60.00	54.40	5.80	0.30
69	LA1 0600 0546 062 T479	60.00	54.60	6.20	0.30
70	LA1 0630 0538 097 T479	63.00	53.80	9.70	0.30
71	LA1 0630 0566 064 T479	63.00	56.60	6.40	0.30
72	LA1 0630 0574 048 T479	63.00	57.40	4.80	0.30
73	LA1 0630 0576 062 T479	63.00	57.60	6.20	0.30
74	LA1 0630 0584 054 T479	63.00	58.40	5.40	0.30
75	LA1 0650 0594 050 T479	65.00	59.40	5.00	0.30
76	LA1 0650 0596 062 T479	65.00	59.60	6.20	0.30
77	LA1 0650 0600 050 T479	65.00	60.00	5.00	0.30
78	LA1 0680 0627 050 T479	68.00	62.70	5.00	0.30
79	LA1 0696 0650 039 T479	69.60	65.00	3.90	0.30
80	LA1 0700 0650 050 T479	70.00	65.00	5.00	0.30



Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
81	LA1 0700 0664 062 T479	70.00	66.40	6.20	0.30
82	LA1 0720 0664 050 T479	72.00	66.40	5.00	0.30
83	LA1 0735 0700 050 T479	73.50	70.00	5.00	0.30
84	LA1 0746 0700 038 T479	74.60	70.00	3.80	0.30
85	LA1 0750 0658 097 T479	75.00	65.80	9.70	0.30
86	LA1 9750 0694 053 T479	75.00	69.40	5.30	0.30
87	LA1 0750 0696 062 T479	75.00	69.60	6.20	0.30
88	LA1 0766 0720 048 T479	76.60	72.00	4.80	0.30
89	LA1 0770 0708 062 T479	77.00	70.80	6.20	0.30
90	LA1 0780 0730 050 T479	78.00	73.00	5.00	0.30
91	LA1 0800 0708 090 T479	80.00	70.80	9.00	0.30
92	LA1 0800 0708 097 T479	80.00	70.80	9.70	0.30
93	LA1 0736 0640 030 T479	80.00	73.60	6.40	0.30
94	LA1 0800 0738 069 T479	80.00	73.80	6.90	0.30
95	LA1 0800 0744 053 T479	80.00	74.40	5.30	0.30
96	LA1 0800 0754 054 T479	80.00	75.40	5.40	0.30
97	LA1 0800 0760 036 T479	80.00	76.00	3.60	0.30
98	LA1 0850 0794 053 T479	85.00	79.40	5.30	0.30
99	LA1 0851 0805 039 T479	85.10	80.50	3.90	0.30
100	LA1 0900 0814 090 T479	90.00	81.40	9.00	0.30

Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
101	LA1 0900 0830 065 T479	90.00	83.00	6.50	0.30
102	LA1 0900 0844 048 T479	90.00	84.40	4.80	0.30
103	LA1 0930 0874 053 T479	93.00	87.40	5.30	0.30
104	LA1 0950 0894 062 T479	95.00	89.40	6.20	0.30
105	LA1 0970 0914 048 T479	97.00	91.40	4.80	0.30
106	LA1 1000 0908 097 T479	100.00	90.80	9.70	0.30
107	LA1 1000 0914 090 T479	100.00	91.40	9.00	0.30
108	LA1 1000 0916 086 T479	100.00	91.60	8.60	0.30
109	LA1 1000 0938 069 T479	100.00	93.80	6.90	0.30
110	LA1 1020 0958 062 T479	102.00	95.80	6.20	0.30
111	LA1 1050 0964 090 T479	105.00	96.40	9.00	0.30
112	LA1 1100 1008 097 T479	110.00	100.80	9.70	0.60
113	LA1 1100 1014 090 T479	110.00	101.40	9.00	0.30
114	LA1 1140 1078 062 T479	114.00	107.80	6.20	0.30
115	LA1 1150 1066 086 T479	115.00	106.60	8.60	0.60
116	LA1 1250 1158 097 T479	125.00	115.80	9.70	0.60
117	LA1 1250 1164 090 T479	125.00	116.40	9.00	0.30
118	LA1 1250 1166 086 T479	125.00	116.60	8.60	0.30
119	LA1 1400 1284 123 T479	140.00	128.40	12.30	0.60
120	LA1 1400 1308 097 T479	140.00	130.80	9.70	0.60



Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
121	LA1 1400 1316 086 T479	140.00	131.60	8.60	0.30
122	LA1 1500 1384 123 T479	150.00	138.40	12.30	0.60
123	LA1 1500 1408 097 T479	150.00	140.80	9.70	0.60
124	LA1 1500 1416 086 T479	150.00	141.60	8.60	0.30
125	LA1 1600 1484 123 T479	160.00	148.40	12.30	0.60
126	LA1 1600 1508 097 T479	160.00	150.80	9.70	0.60
127	LA1 1650 1534 123 T479	165.00	153.40	12.30	0.60
128	LA1 1650 1558 097 T479	165.00	155.80	9.70	0.60
129	LA1 1650 1566 086 T479	165.00	156.60	8.60	0.30
130	LA1 1700 1584 123 T479	170.00	158.40	12.30	0.60
131	LA1 1700 1608 097 T479	170.00	160.80	9.70	0.60
132	LA1 1800 1684 123 T479	180.00	168.40	12.30	0.60
133	LA1 1800 1708 097 T479	180.00	170.80	9.70	0.60
134	LA1 1800 1716 086 T479	180.00	171.60	8.60	0.30
135	LA1 1900 1784 123 T479	190.00	178.40	12.30	0.60
136	LA1 2000 1884 123 T479	200.00	188.40	12.30	0.60
137	LA1 2000 1908 097 T479	200.00	190.80	9.70	0.60
138	LA1 2000 1916 086 T479	200.00	191.60	8.60	0.30
139	LA1 2250 2130 109 T479	225.00	213.00	10.90	0.60
140	LA1 2500 2380 109 T479	250.00	238.00	10.90	0.60

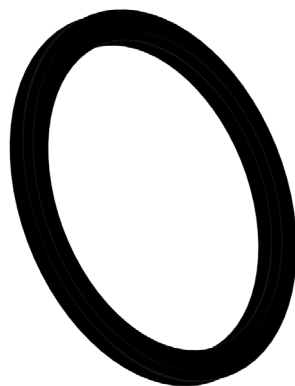
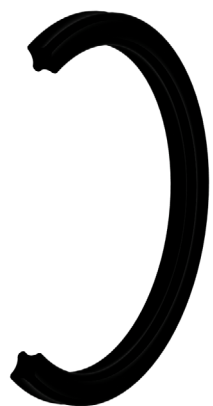
Sl. No.	TRIADA® Part Numbers	Bore "ØA" H8	Groove "ØB" h9	Groove Width "F" +0.20	Radius "Z" ±0.20
141	LA1 2500 3284 123 T479	250.00	238.40	12.30	0.60
142	LA1 2500 2408 097 T479	250.00	240.80	9.70	0.60
143	LA1 2700 2584 123 T479	270.00	258.40	12.30	0.60
144	LA1 2800 2680 109 T479	280.00	268.00	10.90	0.60



Static Seals LOBE RING



#SealingExcellence



Description

A four lobbed elastomer seal, compatible to an O-Ring groove (AS568A), with an improved sealing efficiency. The diametrical squeeze is lower than with O-rings which make dynamic sealing possible with reduced friction. The four lips of the Lobe Ring create more sealing capacity and at the same time a groove for lubrication, which is very favorable for dynamic sealing and it is more resistant to spiral failure.

Lobe Rings are also a preferred Sealing Element for Rotary and Helical movements and suggested to be installed in the housing, rather than on the shaft, as this enables the seal to be assembled along with Uncut Back-Up Rings, in case of higher pressures. Please contact Triada® Application Engineering team for an appropriate Sealing Proposal for your specific application.



Diameter Range

Ø0.74 – Ø658.87.00



Standard material

TRIAFLEX® T571(NBR70)



Temperature(°C)

-40°C to 200°C (Based on Elastomer Material).



Speed

≤ 0.50 m/s (reciprocating)
≤ 2.00 m/s (rotating)



Fluids

Hydraulic fluids (Mineral Oil based), Water, Air etc, depending on Seal Compounds selected. Conditions).



Pressure

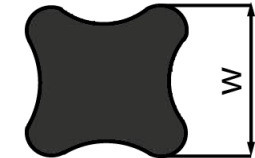
Dynamic Pressure - 50 bar without BU-Ring /
300 bar with BU-Ring (reciprocating)
150 bar with BU-Ring (rotating)
Static Pressure - 50 bar without BU-Ring / 400
bar with BU-Ring (rotating)

Groove Details

Cross Section “W”	Radial Pre-Load		Groove Dimension					Radius “Z”	Maximum Diametrical Clearance “S”
	Dynamic	Static	Groove Depth		Groove Width				
	Max/Min	Max/Min	Dynamic	Static	Without Back-Up Ring	With 1 Back-Up Ring	With 2 Back-Up Ring		
1.02 ±0.08	0.30/0.115	0.35/0.165	0.80 +0.025	0.75 +0.025	1.20	NA	NA	0.10	0.05
1.25 ±0.08	0.33/0.145	0.43/0.245	1.00 +0.025	0.90 +0.025	1.40	NA	NA	0.15	0.05
1.52 ±0.08	0.35/0.165	0.45/0.265	1.25 +0.025	1.15 +0.025	1.70	NA	NA	0.25	0.08
1.02 ±0.08	0.30/0.115	0.30/0.165	0.80 +0.025	0.75 +0.025	1.20	NA	NA	0.10	0.05
1.50 ±0.08	0.33/0.145	0.43/0.245	1.25 +0.025	1.15 +0.025	1.70	2.60	3.50	0.25	0.08
1.78 ±0.08	0.36/0.175	0.46/0.275	1.50 +0.025	1.40 +0.025	2.00	3.50	5.00	0.25	0.10
2.62 ±0.08	0.40/0.215	0.45/0.265	2.30 +0.025	2.25 +0.025	3.00	4.40	5.80	0.40	0.15
3.53 ±0.10	0.43/0.205	0.53/0.305	3.20 +0.025	3.10 +0.025	4.00	5.40	6.80	0.40	0.15
5.33 ±0.13	0.56/0.250	0.71/0.400	4.90 +0.050	4.75 +0.050	6.00	7.80	9.50	0.60	0.20
7.00 ±0.15	0.70/0.350	0.95/0.600	6.45 +0.050	6.20 +0.050	8.00	10.50	10.50	0.60	0.20

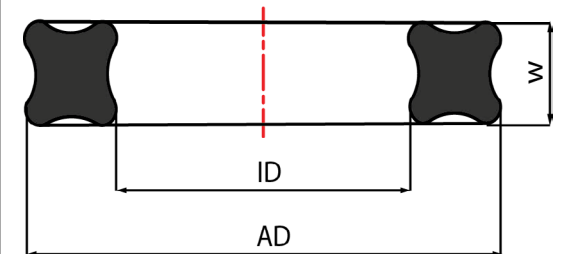
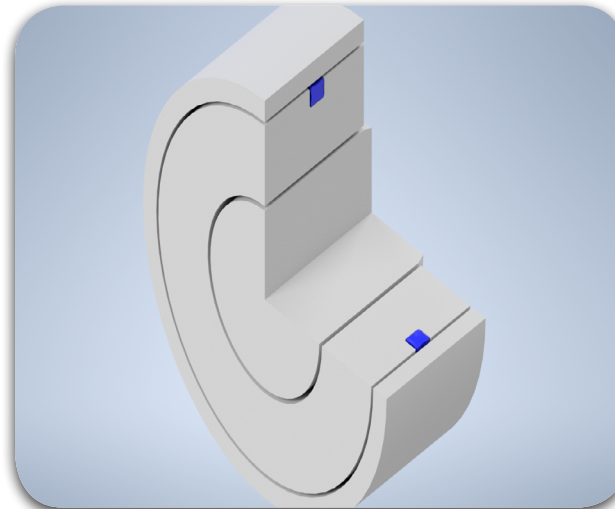
Nomenclature

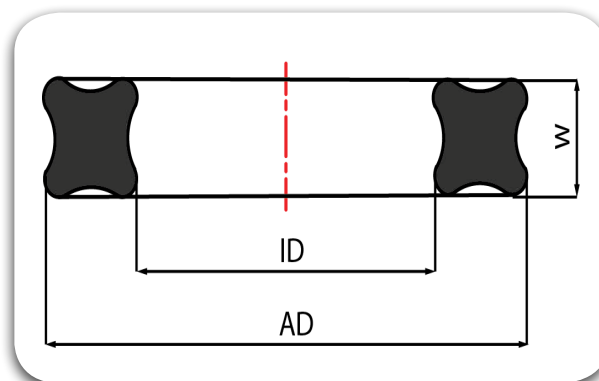
Part No	QUA	00106	0125	T571
Seal profile	Lobe Ring ID x 10	Cross Section x 10	Seal Material Code	



Material Details

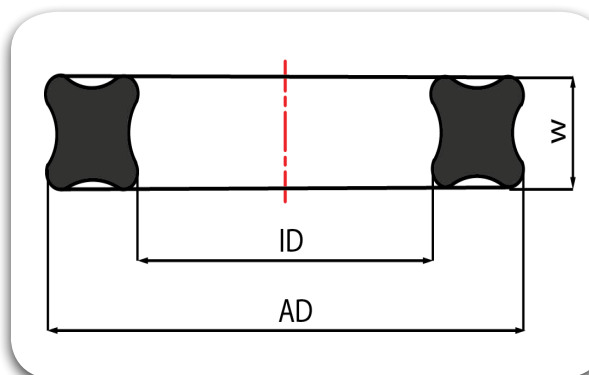
Lobe Ring Material	Material Code
NBR 70	T571
NBR 90	T591
FKM 70	T675
FKM 90	T691
EPDM 70	T771
HNBR 70	T532





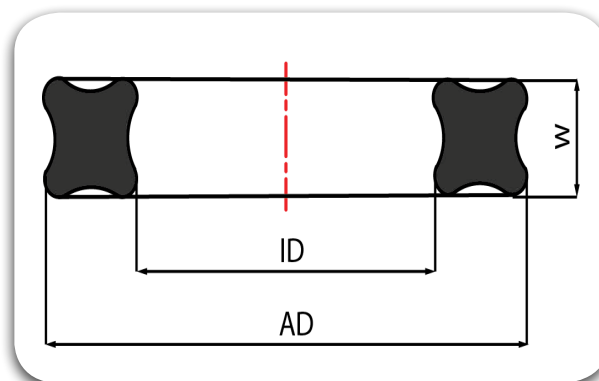
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
1.00	0.74	0.10	1.02 ± 0.08	2.78	QUA00074 0102 T571
2.00	1.06	0.10	1.25 ± 0.08	3.56	QUA00106 0125 T571
3.00	1.42	0.10	1.52 ± 0.08	4.46	QUA00142 0152 T571
4.00	1.78	0.13	1.02 ± 0.08	3.82	QUA00178 0102 T571
5.00	1.78	0.13	1.78 ± 0.08	5.34	QUA00178 0178 T571
6.00	2.00	0.13	1.50 ± 0.08	5.00	QUA00200 0178 T571
7.00	2.57	0.13	1.78 ± 0.08	6.13	QUA00257 0178 T571
8.00	2.90	0.13	1.78 ± 0.08	6.46	QUA00290 0178 T571
9.00	3.68	0.13	1.78 ± 0.08	7.24	QUA00368 0178 T571
10.00	4.47	0.13	1.78 ± 0.08	8.03	QUA00447 0178 T571
11.00	5.28	0.13	1.78 ± 0.08	8.84	QUA00528 0178 T571
12.00	6.07	0.13	1.78 ± 0.08	9.63	QUA00607 0178 T571
13.00	7.65	0.13	1.78 ± 0.08	11.21	QUA00765 0178 T571
14.00	8.20	0.13	1.78 ± 0.08	11.76	QUA00820 0178 T571
15.00	9.25	0.13	1.78 ± 0.08	12.81	QUA00925 0178 T571
16.00	10.82	0.13	1.78 ± 0.08	14.38	QUA01082 0178 T571
17.00	12.42	0.13	1.78 ± 0.08	15.98	QUA01242 0178 T571
18.00	14.00	0.18	1.78 ± 0.08	17.56	QUA01400 0178 T571
19.00	15.60	0.23	1.78 ± 0.08	19.16	QUA01560 0178 T571
20.00	17.17	0.23	1.78 ± 0.08	20.73	QUA01717 0178 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
21.00	18.77	0.23	1.78 ± 0.08	22.30	QUA01877 0178 T571
22.00	20.35	0.23	1.78 ± 0.08	23.91	QUA02035 0178 T571
23.00	21.95	0.23	1.78 ± 0.08	25.51	QUA02195 0178 T571
24.00	23.52	0.23	1.78 ± 0.08	27.08	QUA02352 0178 T571
25.00	25.12	0.25	1.78 ± 0.08	28.68	QUA02512 0178 T571
26.00	26.70	0.25	1.78 ± 0.08	30.26	QUA02670 0178 T571
27.00	28.30	0.25	1.78 ± 0.08	31.86	QUA02830 0178 T571
28.00	29.87	0.28	1.78 ± 0.08	33.43	QUA02987 0178 T571
29.00	31.47	0.28	1.78 ± 0.08	35.03	QUA03147 0178 T571
30.00	33.05	0.28	1.78 ± 0.08	36.61	QUA03305 0178 T571
31.00	34.65	0.33	1.78 ± 0.08	38.21	QUA03465 0178 T571
32.00	37.82	0.33	1.78 ± 0.08	41.38	QUA03782 0178 T571
33.00	41.00	0.33	1.78 ± 0.08	44.56	QUA04100 0178 T571
34.00	44.17	0.38	1.78 ± 0.08	47.73	QUA04417 0178 T571
35.00	47.35	0.38	1.78 ± 0.08	50.91	QUA04735 0178 T571
36.00	50.52	0.46	1.78 ± 0.08	54.08	QUA05052 0178 T571
37.00	53.70	0.46	1.78 ± 0.08	57.26	QUA05370 0178 T571
38.00	56.87	0.46	1.78 ± 0.08	60.43	QUA05687 0178 T571
39.00	60.05	0.46	1.78 ± 0.08	63.61	QUA06005 0178 T571
40.00	63.22	0.46	1.78 ± 0.08	66.78	QUA06322 0178 T571



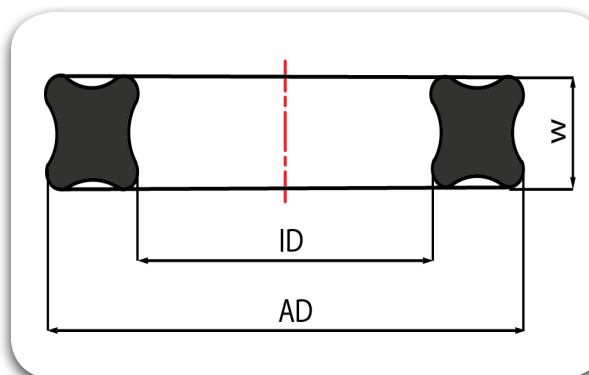
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
41.00	66.40	0.51	1.78 ± 0.08	69.96	QUA06640 0178 T571
42.00	69.57	0.51	1.78 ± 0.08	73.13	QUA06957 0178 T571
43.00	72.75	0.51	1.78 ± 0.08	76.31	QUA07275 0178 T571
44.00	75.92	0.61	1.78 ± 0.08	79.48	QUA07592 0178 T571
45.00	82.27	0.61	1.78 ± 0.08	85.83	QUA08227 0178 T571
46.00	88.62	0.61	1.78 ± 0.08	92.18	QUA08862 0178 T571
47.00	94.97	0.69	1.78 ± 0.08	98.53	QUA09497 0178 T571
48.00	101.32	0.69	1.78 ± 0.08	104.88	QUA10132 0178 T571
49.00	107.67	0.76	1.78 ± 0.08	111.23	QUA10767 0178 T571
50.00	114.02	0.76	1.78 ± 0.08	117.58	QUA11402 0178 T571
51.00	120.37	0.76	1.78 ± 0.08	123.98	QUA12037 0178 T571
52.00	126.72	0.94	1.78 ± 0.08	130.28	QUA12672 0178 T571
53.00	133.07	0.94	1.78 ± 0.08	136.63	QUA13307 0178 T571
54.00	1.24	0.10	2.62 ± 0.08	6.48	QUA00124 0262 T571
55.00	2.06	0.13	2.62 ± 0.08	7.30	QUA00206 0262 T571
56.00	2.84	0.13	2.62 ± 0.08	8.08	QUA00284 0262 T571
57.00	3.63	0.13	2.62 ± 0.08	8.87	QUA00363 0262 T571
58.00	4.42	0.13	2.62 ± 0.08	9.66	QUA00442 0262 T571
59.00	5.23	0.13	2.62 ± 0.08	10.47	QUA00523 0262 T571
60.00	6.02	0.13	2.62 ± 0.08	11.26	QUA00602 0262 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
61.00	7.59	0.13	2.62 ± 0.08	12.83	QUA00759 0262 T571
62.00	9.20	0.13	2.62 ± 0.08	14.44	QUA00920 0262 T571
63.00	10.20	0.13	2.62 ± 0.08	15.44	QUA01020 0262 T571
64.00	10.77	0.13	2.62 ± 0.08	16.01	QUA01077 0262 T571
65.00	12.37	0.13	2.62 ± 0.08	17.61	QUA01237 0262 T571
66.00	13.95	0.18	2.62 ± 0.08	19.19	QUA01395 0262 T571
67.00	14.70	0.23	2.62 ± 0.08	19.94	QUA01470 0262 T571
68.00	14.80	0.23	2.62 ± 0.08	19.80	QUA01480 0262 T571
69.00	15.55	0.23	2.62 ± 0.08	20.79	QUA01555 0262 T571
70.00	16.20	0.23	2.62 ± 0.08	21.44	QUA01620 0262 T571
71.00	17.12	0.23	2.62 ± 0.08	22.36	QUA01712 0262 T571
72.00	18.72	0.23	2.62 ± 0.08	23.96	QUA01872 0262 T571
73.00	20.29	0.25	2.62 ± 0.08	25.53	QUA02029 0262 T571
74.00	21.89	0.25	2.62 ± 0.08	27.13	QUA02189 0262 T571
75.00	23.47	0.25	2.62 ± 0.08	28.71	QUA02347 0262 T571
76.00	25.07	0.25	2.62 ± 0.08	30.31	QUA02507 0262 T571
77.00	26.64	0.25	2.62 ± 0.08	31.88	QUA02664 0262 T571
78.00	28.24	0.25	2.62 ± 0.08	33.48	QUA02824 0262 T571
79.00	29.82	0.30	2.62 ± 0.08	35.06	QUA02982 0262 T571
80.00	31.42	0.30	2.62 ± 0.08	36.66	QUA03142 0262 T571



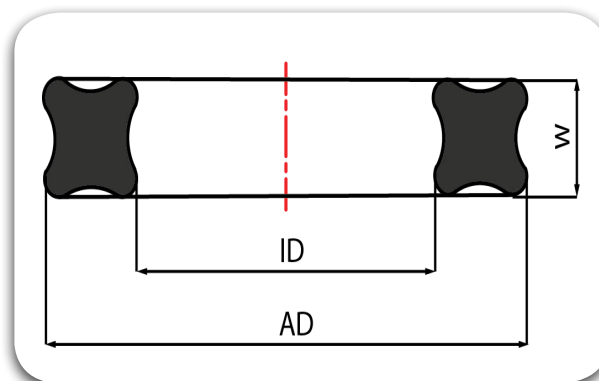
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
81.00	32.99	0.30	2.62 ± 0.08	38.23	QUA03299 0262 T571
82.00	34.59	0.30	2.62 ± 0.08	39.83	QUA03459 0262 T571
83.00	36.17	0.30	2.62 ± 0.08	41.41	QUA03617 0262 T571
84.00	37.77	0.30	2.62 ± 0.08	43.01	QUA03777 0262 T571
85.00	39.34	0.38	2.62 ± 0.08	44.58	QUA03934 0262 T571
86.00	40.95	0.38	2.62 ± 0.08	46.19	QUA04095 0262 T571
87.00	42.52	0.38	2.62 ± 0.08	47.76	QUA04252 0262 T571
88.00	44.12	0.38	2.62 ± 0.08	49.36	QUA04412 0262 T571
89.00	45.69	0.38	2.62 ± 0.08	50.93	QUA04569 0262 T571
90.00	47.29	0.38	2.62 ± 0.08	52.53	QUA04729 0262 T571
91.00	48.90	0.43	2.62 ± 0.08	54.14	QUA04890 0262 T571
92.00	50.47	0.43	2.62 ± 0.08	55.71	QUA05047 0262 T571
93.00	52.07	0.43	2.62 ± 0.08	57.31	QUA05207 0262 T571
94.00	53.84	0.43	2.62 ± 0.08	58.88	QUA05384 0262 T571
95.00	55.25	0.43	2.62 ± 0.08	60.49	QUA05525 0262 T571
96.00	56.82	0.43	2.62 ± 0.08	62.06	QUA05682 0262 T571
97.00	58.42	0.51	2.62 ± 0.08	63.66	QUA05842 0262 T571
98.00	59.99	0.51	2.62 ± 0.08	65.23	QUA05999 0262 T571
99.00	61.60	0.51	2.62 ± 0.08	66.84	QUA06160 0262 T571
100.00	63.17	0.51	2.62 ± 0.08	68.41	QUA06317 0262 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
101.00	64.77	0.51	2.62 ± 0.08	70.01	QUA06477 0262 T571
102.00	66.34	0.51	2.62 ± 0.08	71.58	QUA06634 0262 T571
103.00	67.94	0.56	2.62 ± 0.08	73.18	QUA06794 0262 T571
104.00	69.52	0.56	2.62 ± 0.08	74.76	QUA06952 0262 T571
105.00	71.12	0.56	2.62 ± 0.08	76.36	QUA07112 0262 T571
106.00	72.69	0.56	2.62 ± 0.08	77.93	QUA07269 0262 T571
107.00	75.87	0.61	2.62 ± 0.08	81.11	QUA07587 0262 T571
108.00	82.22	0.61	2.62 ± 0.08	87.46	QUA08222 0262 T571
109.00	88.57	0.61	2.62 ± 0.08	93.81	QUA08857 0262 T571
110.00	94.92	0.71	2.62 ± 0.08	100.16	QUA09492 0262 T571
111.00	101.27	0.71	2.62 ± 0.08	106.51	QUA10127 0262 T571
112.00	107.62	0.76	2.62 ± 0.08	112.86	QUA10762 0262 T571
113.00	113.97	0.76	2.62 ± 0.08	119.21	QUA11397 0262 T571
114.00	120.32	0.76	2.62 ± 0.08	125.56	QUA12032 0262 T571
115.00	126.67	0.89	2.62 ± 0.08	131.91	QUA12667 0262 T571
116.00	133.02	0.89	2.62 ± 0.08	138.26	QUA13302 0262 T571
117.00	139.37	0.89	2.62 ± 0.08	144.61	QUA13937 0262 T571
118.00	145.72	0.89	2.62 ± 0.08	150.96	QUA14572 0262 T571
119.00	152.07	0.89	2.62 ± 0.08	157.31	QUA15207 0262 T571
120.00	158.42	1.02	2.62 ± 0.08	163.66	QUA15842 0262 T571



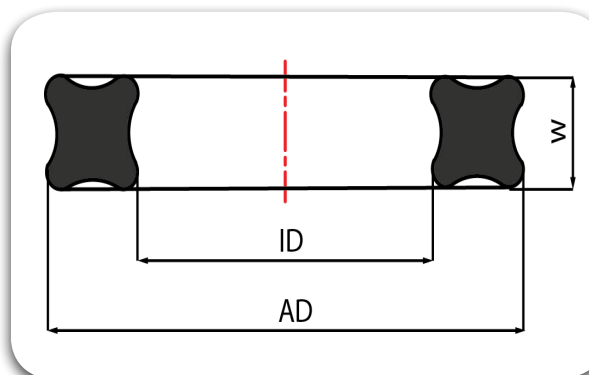
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
121.00	164.77	1.02	2.62 ± 0.08	170.01	QUA16477 0262 T571
122.00	171.11	1.02	2.62 ± 0.08	176.35	QUA17111 0262 T571
123.00	177.47	1.02	2.62 ± 0.08	182.71	QUA17747 0262 T571
124.00	183.82	1.14	2.62 ± 0.08	189.06	QUA18382 0262 T571
125.00	190.17	1.14	2.62 ± 0.08	195.41	QUA19017 0262 T571
126.00	196.52	1.14	2.62 ± 0.08	201.76	QUA19652 0262 T571
127.00	202.87	1.14	2.62 ± 0.08	208.11	QUA20287 0262 T571
128.00	209.22	1.27	2.62 ± 0.08	214.46	QUA20922 0262 T571
129.00	215.57	1.27	2.62 ± 0.08	220.81	QUA21557 0262 T571
130.00	221.92	1.27	2.62 ± 0.08	227.16	QUA22192 0262 T571
131.00	228.27	1.27	2.62 ± 0.08	233.51	QUA22827 0262 T571
132.00	234.62	1.40	2.62 ± 0.08	239.86	QUA23462 0262 T571
133.00	240.97	1.40	2.62 ± 0.08	246.21	QUA24097 0262 T571
134.00	247.32	1.40	2.62 ± 0.08	252.56	QUA24732 0262 T571
135.00	4.34	0.13	3.53 ± 0.10	11.40	QUA00434 0353 T571
136.00	5.94	0.13	3.53 ± 0.1	13.00	QUA00594 0353 T571
137.00	7.52	0.13	3.53 ± 0.1	14.58	QUA00752 0353 T571
138.00	9.12	0.13	3.53 ± 0.1	16.18	QUA00912 0353 T571
139.00	10.69	0.13	3.53 ± 0.1	17.75	QUA01069 0353 T571
140.00	12.29	0.13	3.53 ± 0.1	19.35	QUA01229 0353 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
141.00	13.87	0.18	3.53 ± 0.1	20.93	QUA01387 0353 T571
142.00	15.47	0.23	3.53 ± 0.1	22.53	QUA01547 0353 T571
143.00	17.04	0.23	3.53 ± 0.1	24.10	QUA01704 0353 T571
144.00	18.20	0.25	3.53 ± 0.1	25.26	QUA01820 0353 T571
145.00	18.66	0.25	3.53 ± 0.1	25.72	QUA01866 0353 T571
146.00	20.22	0.25	3.53 ± 0.1	27.28	QUA02022 0353 T571
147.00	21.82	0.25	3.53 ± 0.1	28.88	QUA02182 0353 T571
148.00	23.40	0.25	3.53 ± 0.1	30.46	QUA02340 0353 T571
149.00	25.00	0.25	3.53 ± 0.1	32.06	QUA02500 0353 T571
150.00	26.58	0.25	3.53 ± 0.1	33.64	QUA02658 0353 T571
151.00	28.17	0.30	3.53 ± 0.1	35.23	QUA02817 0353 T571
152.00	29.75	0.30	3.53 ± 0.1	36.81	QUA02975 0353 T571
153.00	31.35	0.30	3.53 ± 0.1	38.41	QUA03135 0353 T571
154.00	32.92	0.30	3.53 ± 0.1	39.98	QUA03292 0353 T571
155.00	34.52	0.30	3.53 ± 0.1	41.58	QUA03452 0353 T571
156.00	36.09	0.30	3.53 ± 0.1	43.15	QUA03609 0353 T571
157.00	37.70	0.38	3.53 ± 0.1	44.76	QUA03770 0353 T571
158.00	40.87	0.38	3.53 ± 0.1	47.93	QUA04087 0353 T571
159.00	44.05	0.38	3.53 ± 0.1	51.11	QUA04405 0353 T571
160.00	47.22	0.46	3.53 ± 0.1	54.28	QUA04722 0353 T571



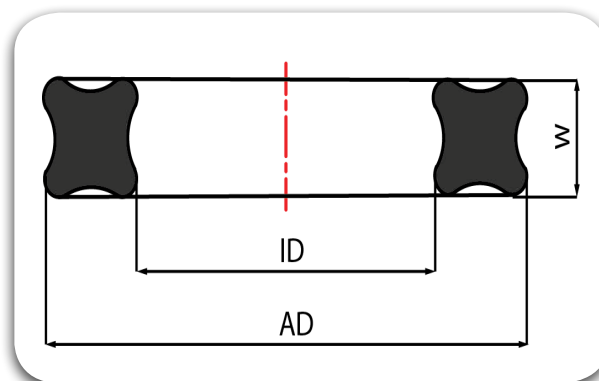
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
161.00	50.40	0.46	3.53 ± 0.1	57.46	QUA05040 0353 T571
162.00	53.57	0.46	3.53 ± 0.1	60.63	QUA05357 0353 T571
163.00	56.75	0.51	3.53 ± 0.1	63.81	QUA05675 0353 T571
164.00	59.92	0.51	3.53 ± 0.1	66.98	QUA05992 0353 T571
165.00	63.10	0.51	3.53 ± 0.1	70.16	QUA06310 0353 T571
166.00	66.27	0.51	3.53 ± 0.1	73.33	QUA06627 0353 T571
167.00	69.45	0.61	3.53 ± 0.1	76.51	QUA06945 0353 T571
168.00	72.62	0.61	3.53 ± 0.1	79.68	QUA07262 0353 T571
169.00	75.80	0.61	3.53 ± 0.1	82.86	QUA07580 0353 T571
170.00	78.97	0.61	3.53 ± 0.1	86.03	QUA07897 0353 T571
171.00	82.15	0.61	3.53 ± 0.1	89.21	QUA08215 0353 T571
172.00	85.32	0.61	3.53 ± 0.1	92.38	QUA08532 0353 T571
173.00	88.50	0.61	3.53 ± 0.1	95.56	QUA08850 0353 T571
174.00	91.67	0.71	3.53 ± 0.1	98.73	QUA09167 0353 T571
175.00	94.85	0.71	3.53 ± 0.1	101.91	QUA09485 0353 T571
176.00	98.02	0.71	3.53 ± 0.1	105.08	QUA09802 0353 T571
177.00	101.20	0.71	3.53 ± 0.1	108.26	QUA10120 0353 T571
178.00	104.37	0.71	3.53 ± 0.1	111.43	QUA10437 0353 T571
179.00	107.55	0.76	3.53 ± 0.1	114.61	QUA10755 0353 T571
180.00	110.72	0.76	3.53 ± 0.1	117.78	QUA11072 0353 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
181.00	113.90	0.76	3.53 ± 0.1	120.96	QUA11390 0353 T571
182.00	117.07	0.76	3.53 ± 0.1	124.13	QUA11707 0353 T571
183.00	120.25	0.76	3.53 ± 0.1	127.31	QUA12025 0353 T571
184.00	123.42	0.84	3.53 ± 0.1	130.48	QUA12342 0353 T571
185.00	126.60	0.84	3.53 ± 0.1	133.66	QUA12660 0353 T571
186.00	129.77	0.84	3.53 ± 0.1	136.83	QUA12977 0353 T571
187.00	132.95	0.89	3.53 ± 0.1	140.01	QUA13295 0353 T571
188.00	136.12	0.89	3.53 ± 0.1	143.18	QUA13612 0353 T571
189.00	139.30	0.89	3.53 ± 0.1	146.36	QUA13930 0353 T571
190.00	142.47	0.89	3.53 ± 0.1	149.53	QUA14247 0353 T571
191.00	145.65	0.89	3.53 ± 0.1	152.71	QUA14565 0353 T571
192.00	148.82	0.89	3.53 ± 0.1	155.88	QUA14882 0353 T571
193.00	152.00	0.89	3.53 ± 0.1	159.06	QUA15200 0353 T571
194.00	158.35	1.02	3.53 ± 0.1	165.41	QUA15835 0353 T571
195.00	164.70	1.02	3.53 ± 0.1	171.76	QUA16470 0353 T571
196.00	171.05	1.02	3.53 ± 0.1	178.11	QUA17105 0353 T571
197.00	177.40	1.02	3.53 ± 0.1	184.46	QUA17740 0353 T571
198.00	183.75	1.14	3.53 ± 0.1	190.81	QUA18375 0353 T571
199.00	190.10	1.14	3.53 ± 0.1	197.16	QUA19010 0353 T571
200.00	196.45	1.14	3.53 ± 0.1	203.51	QUA19645 0353 T571



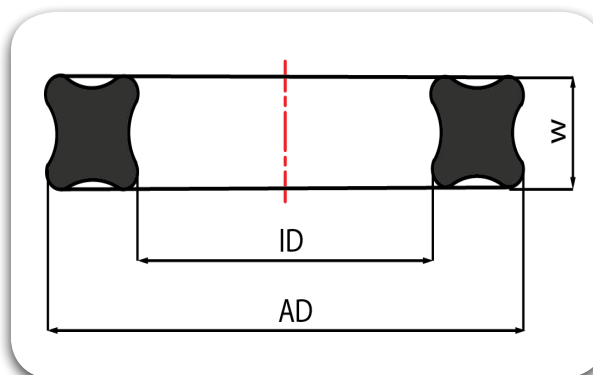
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
201.00	202.80	1.14	3.53 ± 0.1	209.86	QUA20280 0353 T571
202.00	209.15	1.27	3.53 ± 0.1	216.21	QUA20915 0353 T571
203.00	215.50	1.27	3.53 ± 0.1	222.56	QUA21550 0353 T571
204.00	221.85	1.27	3.53 ± 0.1	228.91	QUA22185 0353 T571
205.00	228.20	1.27	3.53 ± 0.1	235.26	QUA22820 0353 T571
206.00	234.55	1.40	3.53 ± 0.1	247.96	QUA23455 0353 T571
207.00	240.90	1.40	3.53 ± 0.1	241.61	QUA24090 0353 T571
208.00	247.25	1.40	3.53 ± 0.1	254.31	QUA24725 0353 T571
209.00	253.60	1.40	3.53 ± 0.1	260.66	QUA25360 0353 T571
210.00	266.29	1.40	3.53 ± 0.1	273.35	QUA26629 0353 T571
211.00	278.99	1.65	3.53 ± 0.1	286.05	QUA27899 0353 T571
212.00	291.69	1.65	3.53 ± 0.1	298.75	QUA29169 0353 T571
213.00	304.39	1.65	3.53 ± 0.1	311.45	QUA30439 0353 T571
214.00	329.79	1.65	3.53 ± 0.1	336.85	QUA32979 0353 T571
215.00	355.19	1.65	3.53 ± 0.1	362.25	QUA35519 0353 T571
216.00	380.59	1.65	3.53 ± 0.1	387.65	QUA38059 0353 T571
217.00	405.26	1.90	3.53 ± 0.1	412.32	QUA40526 0353 T571
218.00	430.66	2.16	3.53 ± 0.1	437.72	QUA43066 0353 T571
219.00	456.06	2.42	3.53 ± 0.1	463.12	QUA45606 0353 T571
220.00	10.46	0.13	5.33 ± 0.13	21.12	QUA01046 0533 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
221.00	12.06	0.13	5.33 ± 0.13	22.72	QUA01206 0533 T571
222.00	13.64	0.18	5.33 ± 0.13	24.30	QUA01364 0533 T571
223.00	15.24	0.23	5.33 ± 0.13	25.90	QUA01524 0533 T571
224.00	16.81	0.23	5.33 ± 0.13	27.47	QUA01681 0533 T571
225.00	18.41	0.25	5.33 ± 0.13	29.07	QUA01841 0533 T571
226.00	19.99	0.25	5.33 ± 0.13	30.65	QUA01999 0533 T571
227.00	21.59	0.25	5.33 ± 0.13	32.25	QUA02159 0533 T571
228.00	23.16	0.25	5.33 ± 0.13	33.82	QUA02316 0533 T571
229.00	24.76	0.25	5.33 ± 0.13	35.42	QUA02476 0533 T571
230.00	26.34	0.25	5.33 ± 0.13	37.00	QUA02634 0533 T571
231.00	27.94	0.30	5.33 ± 0.13	38.60	QUA02794 0533 T571
232.00	29.51	0.30	5.33 ± 0.13	40.17	QUA02951 0533 T571
233.00	31.11	0.30	5.33 ± 0.13	41.77	QUA03111 0533 T571
234.00	32.69	0.30	5.33 ± 0.13	43.35	QUA03269 0533 T571
235.00	34.29	0.30	5.33 ± 0.13	45.00	QUA03429 0533 T571
236.00	37.46	0.38	5.33 ± 0.13	48.12	QUA03746 0533 T571
237.00	39.20	0.38	5.33 ± 0.13	49.86	QUA03920 0533 T571
238.00	40.64	0.38	5.33 ± 0.13	51.30	QUA04064 0533 T571
239.00	43.80	0.38	5.33 ± 0.13	54.46	QUA04380 0533 T571
240.00	45.20	0.38	5.33 ± 0.13	55.85	QUA04520 0533 T571



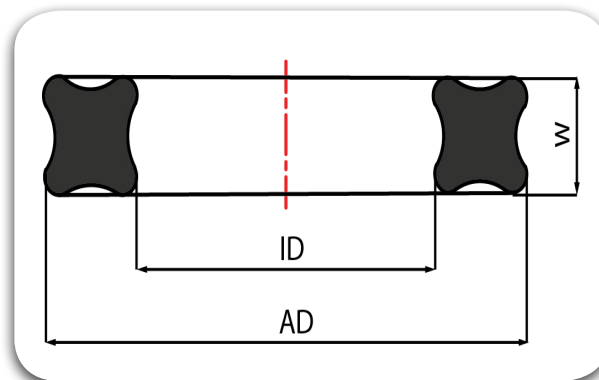
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
241.00	47.00	0.38	5.33 ± 0.13	57.66	QUA04700 0533 T571
242.00	50.16	0.46	5.33 ± 0.13	60.82	QUA05016 0533 T571
243.00	53.35	0.46	5.33 ± 0.13	64.01	QUA05335 0533 T571
244.00	56.50	0.46	5.33 ± 0.13	67.16	QUA05650 0533 T571
245.00	59.70	0.46	5.33 ± 0.13	70.36	QUA05970 0533 T571
246.00	62.86	0.51	5.33 ± 0.13	73.52	QUA06286 0533 T571
247.00	66.05	0.51	5.33 ± 0.13	76.71	QUA06605 0533 T571
248.00	69.20	0.51	5.33 ± 0.13	79.86	QUA06920 0533 T571
249.00	72.40	0.51	5.33 ± 0.13	83.06	QUA07240 0533 T571
250.00	75.56	0.61	5.33 ± 0.13	86.22	QUA07556 0533 T571
251.00	78.75	0.61	5.33 ± 0.13	89.41	QUA07875 0533 T571
252.00	81.90	0.61	5.33 ± 0.13	92.56	QUA08190 0533 T571
253.00	85.10	0.61	5.33 ± 0.13	95.76	QUA08510 0533 T571
254.00	88.26	0.61	5.33 ± 0.13	98.92	QUA08826 0533 T571
255.00	91.45	0.71	5.33 ± 0.13	102.11	QUA09145 0533 T571
256.00	94.60	0.71	5.33 ± 0.13	105.26	QUA09460 0533 T571
257.00	97.80	0.71	5.33 ± 0.13	108.46	QUA09780 0533 T571
258.00	100.96	0.71	5.33 ± 0.13	111.62	QUA10096 0533 T571
259.00	104.15	0.71	5.33 ± 0.13	114.81	QUA10415 0533 T571
260.00	107.30	0.76	5.33 ± 0.13	117.96	QUA10730 0533 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
261.00	110.50	0.76	5.33 ± 0.13	121.16	QUA11050 0533 T571
262.00	113.66	0.76	5.33 ± 0.13	124.32	QUA11366 0533 T571
263.00	116.84	0.76	5.33 ± 0.13	127.50	QUA11684 0533 T571
264.00	120.02	0.76	5.33 ± 0.13	130.68	QUA12002 0533 T571
265.00	123.19	0.76	5.33 ± 0.13	133.85	QUA12319 0533 T571
266.00	126.37	0.76	5.33 ± 0.13	137.03	QUA12637 0533 T571
267.00	129.54	0.94	5.33 ± 0.13	140.20	QUA12954 0533 T571
268.00	132.72	0.94	5.33 ± 0.13	143.38	QUA13272 0533 T571
269.00	135.89	0.94	5.33 ± 0.13	146.55	QUA13589 0533 T571
270.00	139.06	0.94	5.33 ± 0.13	149.72	QUA13906 0533 T571
271.00	142.24	0.94	5.33 ± 0.13	152.90	QUA14224 0533 T571
272.00	145.42	0.94	5.33 ± 0.13	156.08	QUA14542 0533 T571
273.00	148.49	0.94	5.33 ± 0.13	159.15	QUA14849 0533 T571
274.00	151.79	0.94	5.33 ± 0.13	162.42	QUA15179 0533 T571
275.00	158.12	1.02	5.33 ± 0.13	168.78	QUA15812 0533 T571
276.00	164.47	1.02	5.33 ± 0.13	175.13	QUA16447 0533 T571
277.00	170.81	1.02	5.33 ± 0.13	181.47	QUA17081 0533 T571
278.00	177.17	1.02	5.33 ± 0.13	187.83	QUA17717 0533 T571
279.00	183.52	1.14	5.33 ± 0.13	194.18	QUA18352 0533 T571
280.00	189.87	1.14	5.33 ± 0.13	200.53	QUA18987 0533 T571



Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
281.00	196.22	1.14	5.33 ± 0.13	206.88	QUA19622 0533 T571
282.00	202.57	1.14	5.33 ± 0.13	213.23	QUA20257 0533 T571
283.00	208.92	1.30	5.33 ± 0.13	219.58	QUA20892 0533 T571
284.00	215.27	1.30	5.33 ± 0.13	225.93	QUA21527 0533 T571
285.00	221.62	1.30	5.33 ± 0.13	232.28	QUA22162 0533 T571
286.00	227.97	1.30	5.33 ± 0.13	238.63	QUA22797 0533 T571
287.00	234.32	1.40	5.33 ± 0.13	244.98	QUA23432 0533 T571
288.00	240.67	1.40	5.33 ± 0.13	251.33	QUA24067 0533 T571
289.00	247.02	1.40	5.33 ± 0.13	257.68	QUA24702 0533 T571
290.00	253.37	1.40	5.33 ± 0.13	264.03	QUA25337 0533 T571
291.00	266.07	1.52	5.33 ± 0.13	276.73	QUA26607 0533 T571
292.00	278.77	1.52	5.33 ± 0.13	289.43	QUA27877 0533 T571
293.00	291.47	1.65	5.33 ± 0.13	302.13	QUA29147 0533 T571
294.00	304.17	1.65	5.33 ± 0.13	314.83	QUA30417 0533 T571
295.00	329.57	1.65	5.33 ± 0.13	340.23	QUA32957 0533 T571
296.00	354.97	1.78	5.33 ± 0.13	365.63	QUA35497 0533 T571
297.00	380.37	1.78	5.33 ± 0.13	391.03	QUA38037 0533 T571
298.00	405.26	1.90	5.33 ± 0.13	415.92	QUA40526 0533 T571
299.00	430.65	2.03	5.33 ± 0.13	441.31	QUA43065 0533 T571
300.00	456.06	2.15	5.33 ± 0.13	466.72	QUA45606 0533 T571

Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
301.00	481.38	2.25	5.33 ± 0.13	492.04	QUA48138 0533 T571
302.00	506.78	2.41	5.33 ± 0.13	517.44	QUA50678 0533 T571
303.00	532.18	2.41	5.33 ± 0.13	542.84	QUA53218 0533 T571
304.00	557.58	2.55	5.33 ± 0.13	568.24	QUA55758 0533 T571
305.00	582.68	2.65	5.33 ± 0.13	593.34	QUA58268 0533 T571
306.00	608.08	2.80	5.33 ± 0.13	618.74	QUA60808 0533 T571
307.00	633.48	2.90	5.33 ± 0.13	644.54	QUA633.48 0533 T571
308.00	658.88	3.05	5.33 ± 0.13	669.54	QUA65888 0533 T571
309.00	113.66	0.84	7.00 ± 0.15	127.66	QUA11366 0700 T571
310.00	116.85	0.84	7.00 ± 0.16	130.85	QUA11685 0700 T571
311.00	120.00	0.84	7.00 ± 0.17	134.00	QUA12000 0700 T571
312.00	123.20	0.84	7.00 ± 0.18	137.20	QUA12320 0700 T571
313.00	126.36	0.94	7.00 ± 0.19	140.36	QUA12636 0700 T571
314.00	129.55	0.94	7.00 ± 0.20	143.55	QUA12955 0700 T571
315.00	132.70	0.94	7.00 ± 0.21	146.70	QUA13270 0700 T571
316.00	135.90	0.94	7.00 ± 0.22	149.90	QUA13590 0700 T571
317.00	139.06	0.94	7.00 ± 0.23	153.06	QUA13906 0700 T571
318.00	142.25	0.94	7.00 ± 0.24	156.25	QUA14225 0700 T571
319.00	145.40	0.94	7.00 ± 0.25	159.40	QUA14540 0700 T571
320.00	148.60	0.94	7.00 ± 0.26	162.60	QUA14860 0700 T571



Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
321.00	151.76	0.94	7.00 ± 0.27	165.76	QUA15176 0700 T571
322.00	158.10	1.02	7.00 ± 0.28	172.10	QUA15810 0700 T571
323.00	160.50	1.02	7.00 ± 0.29	174.50	QUA16050 0700 T571
324.00	164.46	1.02	7.00 ± 0.30	178.46	QUA16446 0700 T571
325.00	170.81	1.02	7.00 ± 0.31	184.81	QUA17081 0700 T571
326.00	177.16	1.02	7.00 ± 0.32	191.16	QUA17716 0700 T571
327.00	183.50	1.14	7.00 ± 0.33	197.50	QUA18350 0700 T571
328.00	189.86	1.14	7.00 ± 0.34	203.86	QUA18986 0700 T571
329.00	196.20	1.14	7.00 ± 0.35	210.20	QUA19620 0700 T571
330.00	202.56	1.14	7.00 ± 0.36	216.56	QUA20256 0700 T571
331.00	215.30	1.40	7.00 ± 0.37	229.30	QUA21530 0700 T571
332.00	228.00	1.40	7.00 ± 0.38	242.00	QUA22800 0700 T571
333.00	240.70	1.40	7.00 ± 0.39	254.70	QUA24070 0700 T571
334.00	253.40	1.40	7.00 ± 0.40	267.40	QUA25340 0700 T571
335.00	266.10	1.52	7.00 ± 0.41	280.10	QUA26610 0700 T571
336.00	278.80	1.52	7.00 ± 0.42	292.80	QUA27880 0700 T571
337.00	291.50	1.52	7.00 ± 0.43	305.50	QUA29150 0700 T571
338.00	304.20	1.52	7.00 ± 0.44	318.20	QUA30420 0700 T571
339.00	316.90	1.52	7.00 ± 0.45	330.90	QUA31690 0700 T571
340.00	329.60	1.52	7.00 ± 0.46	343.60	QUA32960 0700 T571

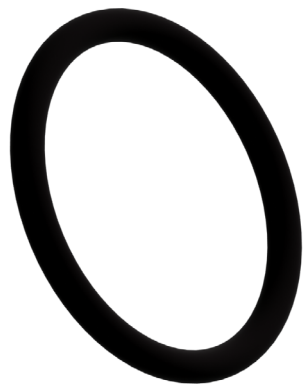
Sl. No.	Inside Dia. "ID"	Tol. ±	Cross Section "W"	Outside Dia. "AD"	TRIADA® Part Numbers
341.00	342.30	1.78	7.00 ± 0.47	356.30	QUA34230 0700 T571
342.00	355.00	1.78	7.00 ± 0.48	369.00	QUA35500 0700 T571
343.00	367.70	1.78	7.00 ± 0.49	381.70	QUA36770 0700 T571
344.00	380.40	1.78	7.00 ± 0.50	394.40	QUA38040 0700 T571
345.00	393.10	1.78	7.00 ± 0.51	407.10	QUA39310 0700 T571
346.00	405.26	1.90	7.00 ± 0.52	419.26	QUA40526 0700 T571
347.00	417.96	1.90	7.00 ± 0.53	431.96	QUA41796 0700 T571
348.00	430.65	2.05	7.00 ± 0.54	444.96	QUA43065 0700 T571
349.00	443.36	2.15	7.00 ± 0.55	457.36	QUA44336 0700 T571
350.00	456.06	2.15	7.00 ± 0.56	470.06	QUA45606 0700 T571
351.00	468.76	2.15	7.00 ± 0.57	482.76	QUA46876 0700 T571
352.00	481.46	2.29	7.00 ± 0.58	495.46	QUA48146 0700 T571
353.00	494.16	2.29	7.00 ± 0.59	508.16	QUA49416 0700 T571
354.00	506.86	2.41	7.00 ± 0.60	520.86	QUA50686 0700 T571
355.00	532.26	2.41	7.00 ± 0.61	546.26	QUA53226 0700 T571
356.00	557.66	2.55	7.00 ± 0.62	571.66	QUA55766 0700 T571
357.00	562.68	2.65	7.00 ± 0.63	596.68	QUA56268 0700 T571
358.00	608.08	2.80	7.00 ± 0.64	622.08	QUA60808 0700 T571
359.00	633.48	2.90	7.00 ± 0.65	647.48	QUA63348 0700 T571
360.00	658.87	3.05	7.00 ± 0.66	672.87	QUA65887 0700 T571



Static Seals OME



#SealingExcellence



Description

An O-ring is a torus or doughnut-shaped ring, generally moulded from an elastomer. An O-Ring is defined by its inside diameter (ID) and Cross section (W). The O-Ring is used as a Dynamic or Static Seal, usually installed in a rectangular machined groove.

Mode of Action

O-Rings are Pressure energised, Double-acting sealing elements. The radial or axial sealing forces depend upon the system pressure. The result is an increase in the compression of the seal as the pressure rises.

Advantages

When compared with other seals, the O-Ring has many advantages to offer. The most important ones are as follows:

- The Seal is single as well as double-acting
- The simple construction means no problems in manufacturing of the groove
- False installation is impossible because of the symmetrical cross section
- Simple groove design
- Universal applicability
- Economical

Tolerances

O-Rings may be manufactured with very close tolerances. The permissible tolerances are standardized in DIN 3771/1 and ISO 3601/1 (up to an O-Ring Cross-section of 7.00mm and inner dia. of 670mm) The Tolerance specified in table 1.1 apply only to the O-Rings made of Nitrile Butadiene Rubber (NBR) with a hardness of 70 Shores A. with other elastomer qualities and hardness, deviations as compared with the values in the table may occur to the differing shrinkage behaviour.

Material Details

Lobe Ring Material	Material Code
NBR 70	T571
NBR 90	T591
FKM 70	T671
FKM 90	T691
EPDM 70	T771
HNBR 70	T532

Nomenclature

Part No	OME	00106	0125	T571
Seal profile	O-Ring ID x 10	C/S x 10	Seal Material Code	

Cross-section "W" (mm)

Tolerance (mm) ±

Upto 1.80	0.08
1.80 - 2.65	0.08
2.65 - 3.55	0.10
3.55 - 5.33	0.13
5.33 - 7.00	0.15
7.00 - 8.00	0.18
8.00 - 10.00	0.21
10.00 - 12.00	0.25
12.00 - 16.00	0.28

Inside Diameter I.D (mm)

Tolerance (mm) ±

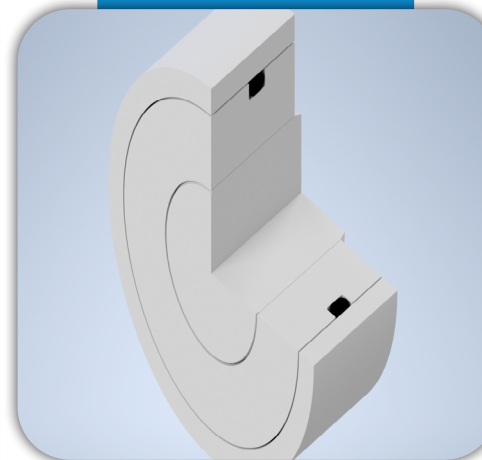
Upto 2.50	0.13
2.50 - 6.30	0.14
6.30 - 10.00	0.16
10.00 - 18.00	0.18
18.00 - 30.00	0.22
30.00 - 50.00	0.31
50.00 - 80.00	0.47
80.00 - 100.00	0.71
100.00 - 120.00	0.87

Inside Diameter I.D (mm)

Tolerance (mm) ±

120.00 - 150.00	1.00
150.00 - 180.00	1.24
180.00 - 250.00	1.44
250.00 - 300.00	1.93
300.00 - 350.00	2.25
350.00 - 400.00	2.56
400.00 - 450.00	2.91
500.00 - 650.00	3.54
650.00 - 800.00	4.46

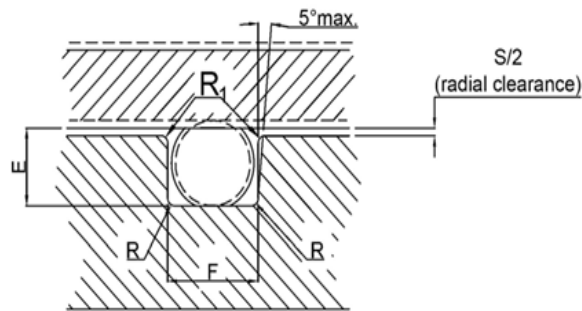
Groove Assembly - Bore



Groove Assembly - ROD



Static Seal



Gland Design

Straight sided grooves are best to prevent extrusion or nibbling. 5° Sloping sides are easier to machine and are suitable for low pressures. Finish with no burrs, nicks, or scratches. The groove volume is 25% larger than that of the respective O-Ring. It takes into consideration a possible volume change of the O-Ring due to Thermal expansion or swell.

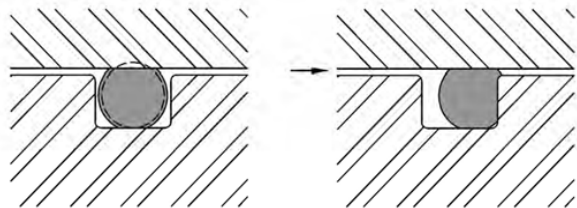


Figure 1-1

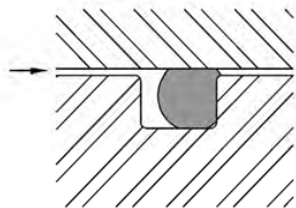


Figure 1-2

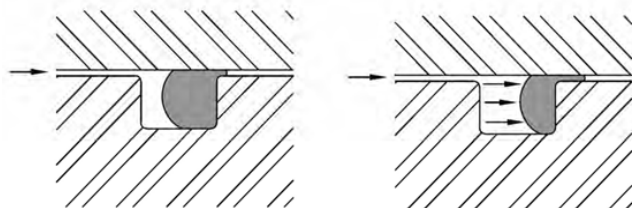


Figure 1-3

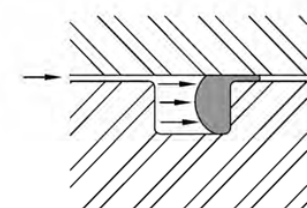


Figure 1-4

Operation

The rubber seal should be considered as essentially an incompressible, viscous fluid having a very high surface tension. Whether by mechanical pressure from the surrounding structure or by pressure transmitted through hydraulic fluid, this extremely viscous fluid is forced to flow within the gland to produce “zero clearance” or block to the flow of the less viscous fluid being sealed. The rubber absorbs the stack-up of tolerances of the unit and its internal memory maintains the sealed condition.

Figure 1-1 illustrates the O-ring as installed, before the fluid pressure. Note that the O-ring is mechanically squeezed out of round between the outer and inner members to close the fluid passage. The seal material under mechanical pressure extrudes into the micro fine grooves of the gland.

Figure 1-2 illustrates the application of fluid pressure on the O-ring. Note that the O-ring has been forced to flow up to, but not into, the narrow gap between the mating surfaces and in so doing, has gained greater area and force of sealing contact.

Figure 1-3 shows the O-ring at its pressure limit with a small portion of the seal material entering the narrow gap between inner and outer members of the gland.

Figure 1-4 illustrates the result of further increasing pressure and the resulting extrusion failure. The surface tension of the elastomer is no longer sufficient to resist flow and the material extrudes (flows) into the open passage or clearance gap.

O-Ring Characteristics

A very early and historically prominent user of O-Rings cites a number of characteristics of O-ring seals which are still of interest to seal designers. Extracts of the more general characteristics are listed as follows:

The seals can be made perfectly leak-proof for cases of static pistons and cylinders for fluid pressures up to 300 bar (Limit of test pressure). The pressure may be constant or variable.

- There may be slight running leakage (a few drops per hundred strokes) depending on the film forming ability of the hydraulic medium. O-rings can be used between rotating members with similar results but in all cases the surface rubbing speed must be kept low.
- A single O-ring will seal with pressure applied alternately on one side and then on the other, but in cases of severe loading or usage under necessarily unfavourable conditions, seal life can be extended by designing the mechanism so that each seal is subjected to pressure in one direction only. Seals may be arranged in series as a safety measure but the first seal exposed to pressure will take the full load.
- O-ring seals must be radially compressed between the bottom of the seal groove and the cylinder wall for proper sealing action. This compression may cause the seal to roll slightly in its groove under certain conditions of piston motion, but the rolling action is not necessary for normal operation of the seals.
- In either static or dynamic O-ring seals under high pressure the primary cause of seal failure are extrusion of the seal material into the piston-cylinder clearance. The major factors effecting extrusion are fluid pressure, seal hardness and strength, and piston-cylinder clearance.
- Dynamic seals may fail by abrasion against the cylinder or piston walls. Therefore, the contacting surfaces should be polished for long seal life. Moving seals that pass over ports or surface irregularities while under hydraulic pressure are very quickly cut or worn to failure.
- The shape of the seal groove is unimportant as long as it results in proper compression of the seal between the bottom of the groove and the cylinder wall, and provides room for the compressed material to flow so that the seal is not solidly confined between metal surfaces.
- The seal may be housed in a groove cut in the cylinder wall instead of on the piston surface without any change in design limitations or seal performance.

Surface Roughness

Radial dynamic & static:

Rod/ Cylinder

$R_a \leq 0.2 - 0.8 \mu\text{m}$ ($R_{\text{max}} = 1.0 - 4.0 \mu\text{m}$)

Groove surface static

$R_a \leq 1.50 - 4.0 \mu\text{m}$ ($R_{\text{max}} = 6 - 16 \mu\text{m}$)

Groove surface dynamic/ pulsating pressure

$R_a \leq 1.5 - 2.5 \mu\text{m}$ ($R_{\text{max}} = 6 - 10 \mu\text{m}$)

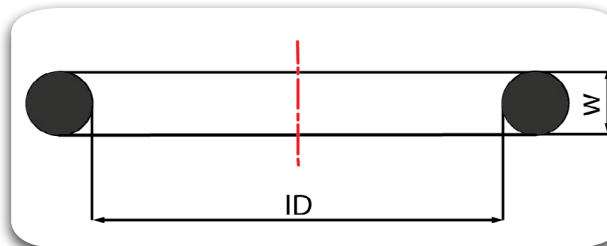
Axial static:

Groove surface

At pulsating pressures

$R_a \leq 1.5 - 2.5 \mu\text{m}$ ($R_{\text{max}} = 6 - 10 \mu\text{m}$)

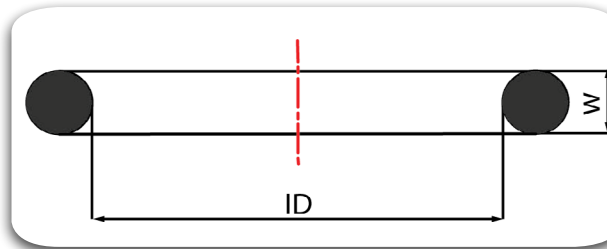
$R_a \leq 1.5 - 4.0 \mu\text{m}$ ($R_{\text{max}} = 6 - 16 \mu\text{m}$)



Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
1	1.00	0.74	0.10	1.02	0.08	0.01
2	902-1/2	1.78	0.10	1.02	0.08	0.01
3	2.00	1.07	0.10	1.27	0.08	0.01
4	3.00	1.42	0.10	1.52	0.08	0.02
5	4.00	1.78	0.10	1.78	0.08	0.03
6	5.00	2.57	0.10	1.78	0.08	0.03
7	6.00	2.90	0.13	1.78	0.08	0.04
8	7.00	3.68	0.13	1.78	0.08	0.04
9	8.00	4.47	0.13	1.78	0.08	0.05
10	9.00	5.28	0.13	1.78	0.08	0.06
11	10.00	6.07	0.13	1.78	0.08	0.06
12	11.00	7.65	0.13	1.78	0.08	0.07
13	12.00	9.25	0.13	1.78	0.08	0.09
14	13.00	10.82	0.13	1.78	0.08	0.10
15	14.00	12.42	0.13	1.78	0.08	0.11
16	15.00	14.00	0.18	1.78	0.08	0.12
17	16.00	15.60	0.23	1.78	0.08	0.14
18	17.00	17.17	0.23	1.78	0.08	0.15
19	18.00	18.77	0.23	1.78	0.08	0.16
20	19.00	20.35	0.23	1.78	0.08	0.17
21	20.00	21.95	0.23	1.78	0.08	0.19
22	21.00	23.52	0.23	1.78	0.08	0.20
23	22.00	25.12	0.25	1.78	0.08	0.21

Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
24	23.00	26.70	0.25	1.78	0.08	0.22
25	24.00	28.30	0.25	1.78	0.08	0.23
26	25.00	29.87	0.28	1.78	0.08	0.25
27	26.00	31.47	0.28	1.78	0.08	0.26
28	27.00	33.05	0.28	1.78	0.08	0.27
29	28.00	34.65	0.33	1.78	0.08	0.28
30	29.00	37.82	0.33	1.78	0.08	0.31
31	30.00	41.00	0.33	1.78	0.08	0.33
32	31.00	44.17	0.38	1.78	0.08	0.36
33	32.00	47.35	0.38	1.78	0.08	0.38
34	33.00	50.52	0.46	1.78	0.08	0.41
35	34.00	53.70	0.46	1.78	0.08	0.43
36	35.00	56.87	0.46	1.78	0.08	0.46
37	36.00	60.05	0.46	1.78	0.08	0.48
38	37.00	63.22	0.46	1.78	0.08	0.51
39	38.00	66.40	0.51	1.78	0.08	0.53
40	39.00	69.57	0.51	1.78	0.08	0.56
41	40.00	72.75	0.51	1.78	0.08	0.58
42	41.00	75.92	0.61	1.78	0.08	0.61
43	42.00	82.27	0.61	1.78	0.08	0.66
44	43.00	88.62	0.61	1.78	0.08	0.71
45	44.00	94.97	0.69	1.78	0.08	0.75
46	45.00	101.32	0.69	1.78	0.08	0.81

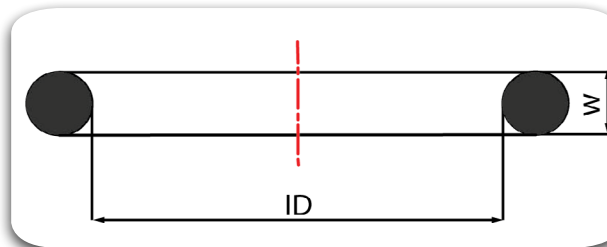
Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
47	46.00	107.67	0.76	1.78	0.08	0.85
48	47.00	114.02	0.76	1.78	0.08	0.90
49	48.00	120.37	0.76	1.78	0.08	0.95
50	49.00	126.72	0.94	1.78	0.08	1.00
51	50.00	133.07	0.94	1.78	0.08	1.05
52	102.00	1.24	0.13	2.62	0.08	0.07
53	103.00	2.06	0.13	2.62	0.08	0.08
54	104.00	2.84	0.13	2.62	0.08	0.09
55	105.00	3.63	0.13	2.62	0.08	0.11
56	106.00	4.42	0.13	2.62	0.08	0.12
57	107.00	5.23	0.13	2.62	0.08	0.13
58	108.00	6.02	0.13	2.62	0.08	0.15
59	109.00	7.59	0.13	2.62	0.08	0.17
60	110.00	9.19	0.13	2.62	0.08	0.20
61	111.00	10.77	0.13	2.62	0.08	0.23
62	112.00	12.37	0.13	2.62	0.08	0.25
63	113.00	13.94	0.18	2.62	0.08	0.28
64	114.00	15.54	0.23	2.62	0.08	0.31
65	115.00	17.12	0.23	2.62	0.08	0.33
66	116.00	18.72	0.23	2.62	0.08	0.36
67	117.00	20.29	0.25	2.62	0.08	0.39
68	118.00	21.89	0.25	2.62	0.08	0.42
69	119.00	23.47	0.25	2.62	0.08	0.44



Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
70	120.00	25.07	0.25	2.62	0.08	0.47
71	121.00	26.64	0.25	2.62	0.08	0.50
72	122.00	28.24	0.25	2.62	0.08	0.52
73	123.00	29.82	0.30	2.62	0.08	0.55
74	124.00	31.42	0.30	2.62	0.08	0.58
75	125.00	32.99	0.30	2.62	0.08	0.60
76	126.00	34.59	0.30	2.62	0.08	0.63
77	127.00	36.17	0.30	2.62	0.08	0.66
78	128.00	37.77	0.30	2.62	0.08	0.68
79	129.00	39.34	0.38	2.62	0.08	0.71
80	130.00	40.94	0.38	2.62	0.08	0.74
81	131.00	42.52	0.38	2.62	0.08	0.76
82	132.00	44.12	0.38	2.62	0.08	0.79
83	133.00	45.69	0.38	2.62	0.08	0.82
84	134.00	47.29	0.38	2.62	0.08	0.84
85	135.00	48.90	0.43	2.62	0.08	0.87
86	136.00	50.47	0.43	2.62	0.08	0.90
87	137.00	52.07	0.43	2.62	0.08	0.92
88	138.00	53.64	0.43	2.62	0.08	0.95
89	139.00	55.25	0.43	2.62	0.08	0.98
90	140.00	56.82	0.43	2.62	0.08	1.00
91	141.00	58.42	0.51	2.62	0.08	1.03
92	142.00	59.99	0.51	2.62	0.08	1.06

Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
93	143.00	61.60	0.51	2.62	0.08	1.09
94	144.00	63.17	0.51	2.62	0.08	1.11
95	145.00	64.77	0.51	2.62	0.08	1.14
96	146.00	66.34	0.51	2.62	0.08	1.17
97	147.00	67.95	0.56	2.62	0.08	1.19
98	148.00	69.52	0.56	2.62	0.08	1.22
99	149.00	71.12	0.56	2.62	0.08	1.25
100	150.00	72.69	0.56	2.62	0.08	1.27
101	151.00	75.87	0.61	2.62	0.08	1.33
102	152.00	82.22	0.61	2.62	0.08	1.43
103	153.00	88.57	0.61	2.62	0.08	1.54
104	154.00	94.92	0.71	2.62	0.08	1.65
105	155.00	101.27	0.71	2.62	0.08	1.76
106	156.00	107.62	0.76	2.62	0.08	1.86
107	157.00	113.97	0.76	2.62	0.08	1.97
108	158.00	120.32	0.76	2.62	0.08	2.08
109	159.00	126.67	0.89	2.62	0.08	2.18
110	160.00	133.02	0.89	2.62	0.08	2.29
111	161.00	139.37	0.89	2.62	0.08	2.40
112	162.00	145.72	0.89	2.62	0.08	2.51
113	163.00	152.07	0.89	2.62	0.08	2.61
114	164.00	158.42	1.02	2.62	0.08	2.72
115	165.00	164.77	1.02	2.62	0.08	2.83

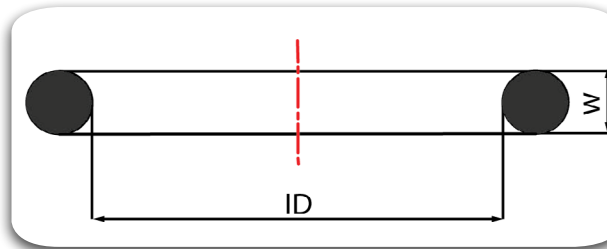
Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
116	166.00	171.12	1.02	2.62	0.08	2.93
117	167.00	177.47	1.02	2.62	0.08	3.04
118	168.00	183.82	1.14	2.62	0.08	3.15
119	169.00	190.17	1.14	2.62	0.08	3.25
120	170.00	196.52	1.14	2.62	0.08	3.36
121	171.00	202.87	1.14	2.62	0.08	3.47
122	172.00	209.22	1.27	2.62	0.08	3.58
123	173.00	215.57	1.27	2.62	0.08	3.68
124	174.00	221.92	1.27	2.62	0.08	3.79
125	175.00	228.27	1.27	2.62	0.08	3.90
126	176.00	234.62	1.40	2.62	0.08	4.00
127	177.00	240.97	1.40	2.62	0.08	4.11
128	178.00	247.32	1.40	2.62	0.08	4.22
129	201.00	4.34	0.13	3.53	0.10	0.24
130	202.00	5.94	0.13	3.53	0.10	0.29
131	203.00	7.52	0.13	3.53	0.10	0.34
132	204.00	9.12	0.13	3.53	0.10	0.39
133	205.00	10.69	0.13	3.53	0.10	0.44
134	206.00	12.29	0.13	3.53	0.10	0.49
135	207.00	13.87	0.18	3.53	0.10	0.54
136	208.00	15.47	0.23	3.53	0.10	0.58
137	209.00	17.04	0.23	3.53	0.10	0.63
138	210.00	18.64	0.25	3.53	0.10	0.68



SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
139	211.00	20.22	0.25	3.53	0.10	0.73
140	212.00	21.82	0.25	3.53	0.10	0.78
141	213.00	23.39	0.25	3.53	0.10	0.83
142	214.00	24.99	0.25	3.53	0.10	0.88
143	215.00	26.57	0.25	3.53	0.10	0.93
144	216.00	28.17	0.30	3.53	0.10	0.98
145	217.00	29.74	0.30	3.53	0.10	1.02
146	218.00	31.34	0.30	3.53	0.10	1.08
147	219.00	32.92	0.30	3.53	0.10	1.12
148	220.00	34.52	0.30	3.53	0.10	1.17
149	221.00	36.09	0.30	3.53	0.10	1.22
150	222.00	37.69	0.38	3.53	0.10	1.26
151	223.00	40.87	0.38	3.53	0.10	1.37
152	224.00	44.04	0.38	3.53	0.10	1.46
153	225.00	47.22	0.46	3.53	0.10	1.56
154	226.00	50.39	0.46	3.53	0.10	1.66
155	227.00	53.57	0.46	3.53	0.10	1.76
156	228.00	56.74	0.51	3.53	0.10	1.85
157	229.00	59.92	0.51	3.53	0.10	1.95
158	230.00	63.09	0.51	3.53	0.10	2.05
159	231.00	66.27	0.51	3.53	0.10	2.15
160	232.00	69.44	0.61	3.53	0.10	2.25
161	233.00	72.62	0.61	3.53	0.10	2.34

SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
162	234.00	75.79	0.61	3.53	0.10	2.44
163	235.00	78.97	0.61	3.53	0.10	2.54
164	236.00	82.14	0.61	3.53	0.10	2.64
165	237.00	85.32	0.61	3.53	0.10	2.73
166	238.00	88.49	0.61	3.53	0.10	2.83
167	239.00	91.67	0.71	3.53	0.10	2.93
168	240.00	94.84	0.71	3.53	0.10	3.03
169	241.00	98.02	0.71	3.53	0.10	3.12
170	242.00	101.19	0.71	3.53	0.10	3.22
171	243.00	104.37	0.71	3.53	0.10	3.32
172	244.00	107.54	0.76	3.53	0.10	3.42
173	245.00	110.72	0.76	3.53	0.10	3.51
174	246.00	113.89	0.76	3.53	0.10	3.61
175	247.00	117.07	0.76	3.53	0.10	3.71
176	248.00	120.24	0.76	3.53	0.10	3.81
177	249.00	123.42	0.89	3.53	0.10	3.91
178	250.00	126.59	0.89	3.53	0.10	4.00
179	251.00	129.77	0.89	3.53	0.10	4.10
180	252.00	132.94	0.89	3.53	0.10	4.20
181	253.00	136.12	0.89	3.53	0.10	4.30
182	254.00	139.29	0.89	3.53	0.10	4.39
183	255.00	142.47	0.89	3.53	0.10	4.49
184	256.00	145.64	0.89	3.53	0.10	4.59

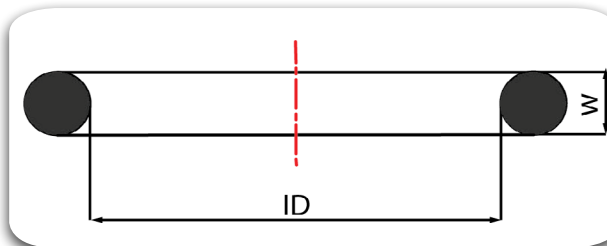
SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
185	257.00	148.82	0.89	3.53	0.10	4.69
186	258.00	151.99	0.89	3.53	0.10	4.78
187	259.00	158.34	1.02	3.53	0.10	4.98
188	260.00	164.69	1.02	3.53	0.10	5.17
189	261.00	171.04	1.02	3.53	0.10	5.37
190	262.00	177.39	1.02	3.53	0.10	5.57
191	263.00	183.74	1.14	3.53	0.10	5.76
192	264.00	190.09	1.14	3.53	0.10	5.96
193	265.00	196.44	1.14	3.53	0.10	6.15
194	266.00	202.79	1.14	3.53	0.10	6.35
195	267.00	209.14	1.27	3.53	0.10	6.54
196	268.00	215.49	1.27	3.53	0.10	6.74
197	269.00	221.84	1.27	3.53	0.10	6.93
198	270.00	228.19	1.27	3.53	0.10	7.13
199	271.00	234.54	1.40	3.53	0.10	7.32
200	272.00	240.89	1.40	3.53	0.10	7.52
201	273.00	247.24	1.40	3.53	0.10	7.72
202	274.00	253.59	1.40	3.53	0.10	7.91
203	275.00	266.29	1.40	3.53	0.10	8.30
204	276.00	278.99	1.65	3.53	0.10	8.69
205	277.00	291.69	1.65	3.53	0.10	9.08
206	278.00	304.39	1.65	3.53	0.10	9.47
207	279.00	329.79	1.65	3.53	0.10	10.25



SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
208	280.00	355.19	1.65	3.53	0.10	11.10
209	281.00	380.59	1.65	3.53	0.10	11.82
210	282.00	405.26	1.90	3.53	0.10	12.58
211	283.00	430.66	2.16	3.53	0.10	13.37
212	284.00	456.06	2.42	3.53	0.10	14.14
213	309.00	10.46	0.13	5.33	0.13	1.11
214	310.00	12.07	0.13	5.33	0.13	1.22
215	311.00	13.64	0.18	5.33	0.13	1.33
216	312.00	15.24	0.23	5.33	0.13	1.44
217	313.00	16.81	0.23	5.33	0.13	1.55
218	314.00	18.42	0.25	5.33	0.13	1.67
219	315.00	19.99	0.25	5.33	0.13	1.78
220	316.00	21.59	0.25	5.33	0.13	1.89
221	317.00	23.16	0.25	5.33	0.13	2.00
222	318.00	24.77	0.25	5.33	0.13	2.11
223	319.00	26.34	0.25	5.33	0.13	2.22
224	320.00	27.94	0.30	5.33	0.13	2.33
225	321.00	29.51	0.30	5.33	0.13	2.44
226	322.00	31.12	0.30	5.33	0.13	2.56
227	323.00	32.69	0.30	5.33	0.13	2.67
228	324.00	34.29	0.30	5.33	0.13	2.78
229	325.00	37.47	0.38	5.33	0.13	3.00
230	326.00	40.64	0.38	5.33	0.13	3.23

SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
231	327.00	43.82	0.38	5.33	0.13	3.45
232	328.00	46.99	0.38	5.33	0.13	3.68
233	329.00	50.17	0.46	5.33	0.13	3.90
234	330.00	53.34	0.46	5.33	0.13	4.12
235	331.00	56.52	0.46	5.33	0.13	4.34
236	332.00	59.69	0.46	5.33	0.13	4.57
237	333.00	62.87	0.51	5.33	0.13	4.79
238	334.00	66.04	0.51	5.33	0.13	5.01
239	335.00	69.22	0.51	5.33	0.13	5.24
240	336.00	72.39	0.51	5.33	0.13	5.46
241	337.00	75.57	0.61	5.33	0.13	5.68
242	338.00	78.74	0.61	5.33	0.13	5.90
243	339.00	81.92	0.61	5.33	0.13	6.13
244	340.00	85.09	0.61	5.33	0.13	6.35
245	341.00	88.27	0.61	5.33	0.13	6.57
246	342.00	91.44	0.71	5.33	0.13	6.80
247	343.00	94.62	0.71	5.33	0.13	7.02
248	344.00	97.79	0.71	5.33	0.13	7.24
249	345.00	100.97	0.71	5.33	0.13	7.46
250	346.00	104.14	0.71	5.33	0.13	7.69
251	347.00	107.32	0.76	5.33	0.13	7.91
252	348.00	110.49	0.76	5.33	0.13	8.13
253	349.00	113.67	0.76	5.33	0.13	8.36

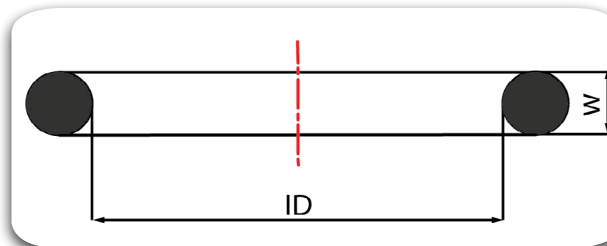
SI No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
254	350.00	116.84	0.76	5.33	0.13	8.59
255	351.00	120.02	0.76	5.33	0.13	8.82
256	352.00	123.19	0.76	5.33	0.13	9.04
257	353.00	126.37	0.94	5.33	0.13	9.26
258	354.00	129.54	0.94	5.33	0.13	9.49
259	355.00	132.72	0.94	5.33	0.13	9.71
260	356.00	135.89	0.94	5.33	0.13	9.93
261	357.00	139.07	0.94	5.33	0.13	10.16
262	358.00	142.24	0.94	5.33	0.13	10.38
263	359.00	145.42	0.94	5.33	0.13	10.60
264	360.00	148.49	0.94	5.33	0.13	10.83
265	361.00	151.77	0.94	5.33	0.13	11.05
266	362.00	158.12	1.02	5.33	0.13	11.50
267	363.00	164.47	1.02	5.33	0.13	11.94
268	364.00	170.82	1.02	5.33	0.13	12.39
269	365.00	177.17	1.02	5.33	0.13	12.84
270	366.00	183.52	1.14	5.33	0.13	13.28
271	367.00	189.87	1.14	5.33	0.13	13.73
272	368.00	196.22	1.14	5.33	0.13	14.18
273	369.00	202.57	1.14	5.33	0.13	14.62
274	370.00	208.92	1.30	5.33	0.13	15.07
275	371.00	215.27	1.30	5.33	0.13	15.52
276	372.00	221.62	1.30	5.33	0.13	15.90



Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
277	373.00	227.97	1.30	5.33	0.13	16.41
278	374.00	234.32	1.40	5.33	0.13	16.86
279	375.00	240.67	1.40	5.33	0.13	17.30
280	376.00	247.02	1.40	5.33	0.13	17.75
281	377.00	253.37	1.40	5.33	0.13	18.20
282	378.00	266.07	1.52	5.33	0.13	19.09
283	379.00	278.77	1.52	5.33	0.13	19.98
284	380.00	291.47	1.65	5.33	0.13	20.88
285	381.00	304.17	1.65	5.33	0.13	21.77
286	382.00	329.57	1.65	5.33	0.13	23.56
287	383.00	354.97	1.78	5.33	0.13	25.34
288	384.00	380.37	1.78	5.33	0.13	27.13
289	385.00	405.26	1.90	5.33	0.13	28.88
290	386.00	430.66	2.03	5.33	0.13	30.67
291	387.00	456.06	2.15	5.33	0.13	32.45
292	388.00	481.38	2.25	5.33	0.13	34.24
293	389.00	506.78	2.41	5.33	0.13	36.03
294	390.00	532.18	2.41	5.33	0.13	37.81
295	391.00	557.58	2.55	5.33	0.13	39.60
296	392.00	582.68	2.65	5.33	0.13	41.36
297	393.00	608.08	2.80	5.33	0.13	43.15
298	394.00	633.48	2.90	5.33	0.13	44.93
299	395.00	658.88	3.05	5.33	0.13	46.72

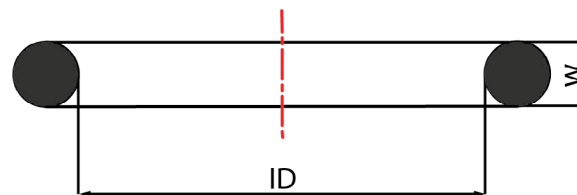
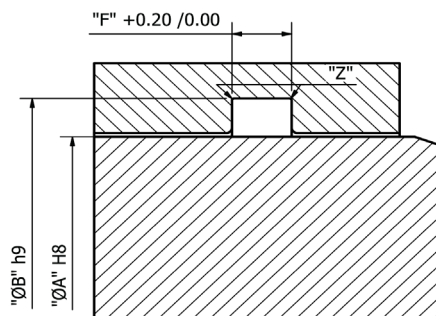
Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
300	425.00	113.67	0.84	7.00	0.15	14.53
301	426.00	116.84	0.84	7.00	0.15	14.91
302	427.00	120.02	0.84	7.00	0.15	15.29
303	428.00	123.19	0.84	7.00	0.15	15.67
304	429.00	126.37	0.94	7.00	0.15	16.06
305	430.00	129.54	0.94	7.00	0.15	16.44
306	431.00	132.72	0.94	7.00	0.15	16.82
307	432.00	135.89	0.94	7.00	0.15	17.20
308	433.00	139.07	0.94	7.00	0.15	17.59
309	434.00	142.24	0.94	7.00	0.15	17.97
310	435.00	145.42	0.94	7.00	0.15	18.35
311	436.00	148.59	0.94	7.00	0.15	18.73
312	437.00	151.77	0.94	7.00	0.15	19.11
313	438.00	158.12	1.02	7.00	0.15	19.88
314	439.00	164.47	1.02	7.00	0.15	20.64
315	440.00	170.82	1.02	7.00	0.15	21.41
316	441.00	177.17	1.02	7.00	0.15	22.17
317	442.00	183.52	1.14	7.00	0.15	22.94
318	443.00	189.87	1.14	7.00	0.15	23.70
319	444.00	196.22	1.14	7.00	0.15	24.47
320	445.00	202.57	1.14	7.00	0.15	25.23
321	446.00	215.27	1.40	7.00	0.15	26.76
322	447.00	227.97	1.40	7.00	0.15	28.29

Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
323	448.00	240.67	1.40	7.00	0.15	29.82
324	449.00	253.37	1.40	7.00	0.15	31.35
325	450.00	266.07	1.52	7.00	0.15	32.88
326	451.00	278.77	1.52	7.00	0.15	34.41
327	452.00	291.47	1.52	7.00	0.15	35.94
328	453.00	304.17	1.52	7.00	0.15	37.46
329	454.00	316.87	1.52	7.00	0.15	38.99
330	455.00	329.57	1.52	7.00	0.15	40.52
331	456.00	342.27	1.78	7.00	0.15	42.05
332	457.00	354.97	1.78	7.00	0.15	43.58
333	458.00	367.67	1.78	7.00	0.15	45.11
334	459.00	380.37	1.78	7.00	0.15	46.64
335	460.00	393.07	1.78	7.00	0.15	48.17
336	461.00	405.26	1.90	7.00	0.15	49.74
337	462.00	417.96	1.90	7.00	0.15	51.28
338	463.00	430.66	2.05	7.00	0.15	52.81
339	464.00	443.36	2.15	7.00	0.15	54.34
340	465.00	456.06	2.15	7.00	0.15	55.87
341	466.00	468.76	2.15	7.00	0.15	57.41
342	467.00	481.46	2.29	7.00	0.15	58.94
343	468.00	494.16	2.29	7.00	0.15	60.47
344	469.00	506.86	2.41	7.00	0.15	62.00
345	470.00	532.26	2.41	7.00	0.15	65.07

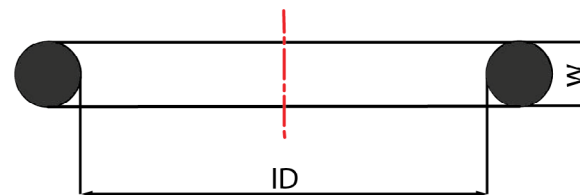
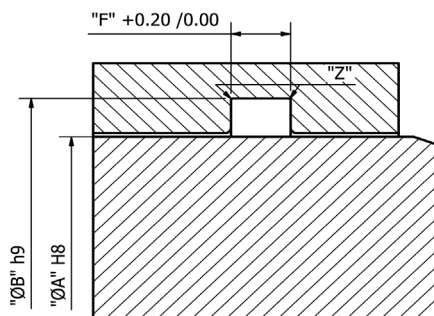


Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
346	471.00	557.66	2.55	7.00	0.15	68.13
347	472.00	582.68	2.65	7.00	0.15	71.15
348	473.00	608.08	2.80	7.00	0.15	74.22
349	474.00	633.48	2.90	7.00	0.15	77.28
350	475.00	658.88	3.05	7.00	0.15	80.35
351	901.00	4.70	0.13	1.42	0.08	-
352	902.00	6.07	0.13	1.63	0.08	-
353	903.00	7.65	0.13	1.63	0.08	-
354	904.00	8.92	0.13	1.83	0.08	-
355	905.00	10.52	0.13	1.83	0.08	-
356	906.00	11.89	0.13	1.98	0.08	-
357	907.00	13.46	0.13	2.08	0.08	-
358	908.00	16.36	0.23	2.20	0.08	-
359	909.00	17.93	0.23	2.46	0.08	-
360	910.00	19.18	0.23	2.46	0.08	-
361	911.00	21.92	0.23	2.95	0.10	-
362	912.00	23.47	0.23	2.95	0.10	-
363	913.00	25.04	0.25	2.95	0.10	-
364	914.00	26.62	0.25	2.95	0.10	-
365	916.00	29.74	0.25	2.95	0.10	-
366	918.00	34.42	0.30	2.95	0.10	-
367	920.00	37.47	0.36	3.00	0.10	-
368	924.00	43.69	0.36	3.00	0.10	-

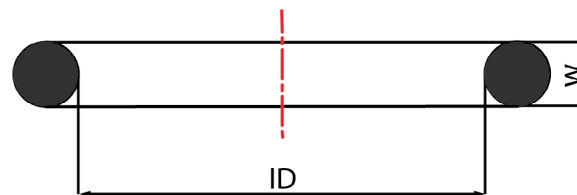
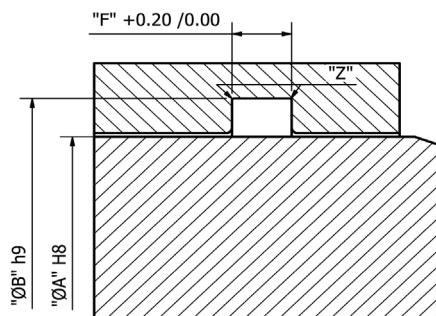
Sl. No.	ARP Sizes	Inner Dia ID	Tol $\pm$	Cross Section W	Tol $\pm$	VOL cm ³
369	928.00	53.09	0.46	3.00	0.10	-
370	932.00	59.36	0.46	3.00	0.10	-
371	ASA 100	545.47	2.55	7.00	-	-
372	ASA 104	596.27	2.80	7.00	-	-
373	ASA 108	647.07	3.05	7.00	-	-



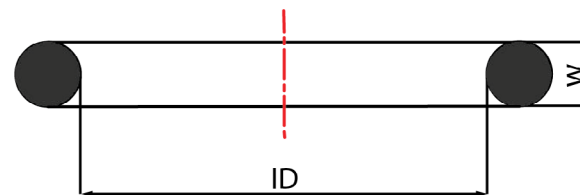
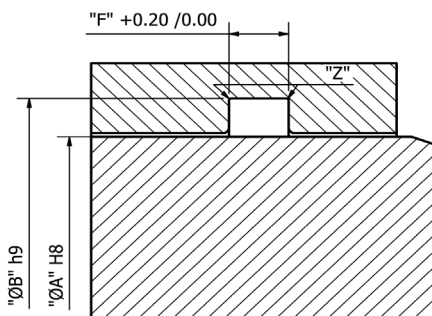
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. "ØB"		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
0.80	1.00	0.74	0.10	1.02	0.08	2.40	0.05	1.40	NA	NA	0.20	0.20	OME00074 0102 T571
1.00	2.00	1.07	0.10	1.27	0.08	3.00	0.05	1.80	NA	NA	0.20	0.20	OME00107 0127 T571
1.50	3.00	1.42	0.10	1.52	0.08	3.90	0.05	1.90	2.90	3.90	0.20	0.20	OME00142 0152 T571
	102.00	1.24	0.10	2.62	0.08	6.00	0.10	3.10	4.50	5.90	0.60	0.30	OME00124 0262 T571
2.00	9021/2	1.78	0.10	1.02	0.08	3.60	0.05	1.40	NA	NA	0.20	0.20	OME00178 0102 T571
	4.00	1.78	0.13	1.78	0.08	4.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00178 0178 T571
	103.00	2.06	0.13	2.62	0.08	6.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00206 0262 T571
2.50	5.00	2.57	0.13	1.78	0.08	5.40	0.05	2.20	3.60	5.00	0.40	0.20	OME00257 0178 T571
3.00	6.00	2.90	0.13	1.78	0.08	5.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00290 0178 T571
	104.00	2.84	0.13	2.62	0.08	7.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00284 0262 T571
4.00	7.00	3.68	0.13	1.78	0.08	6.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00368 0178 T571
	105.00	3.63	0.13	2.62	0.08	8.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00363 0262 T571
	201.00	4.34	0.18	3.53	0.10	10.20	0.10	4.20	5.60	7.00	1.00	0.40	OME00434 0353 T571
5.00	8.00	4.47	0.13	1.78	0.08	7.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00447 0178 T571
	106.00	4.42	0.13	2.62	0.08	9.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00442 0262 T571
5.50	9.00	5.28	0.13	1.78	0.08	8.40	0.05	2.20	3.60	5.00	0.40	0.20	OME00528 0178 T571
	107.00	5.23	0.13	2.62	0.08	10.00	0.10	3.10	4.50	5.90	0.60	0.30	OME00523 0262 T571



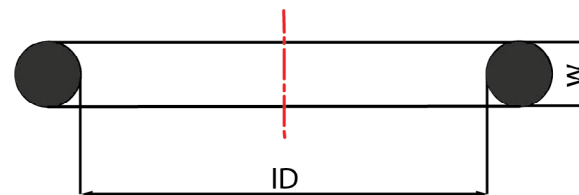
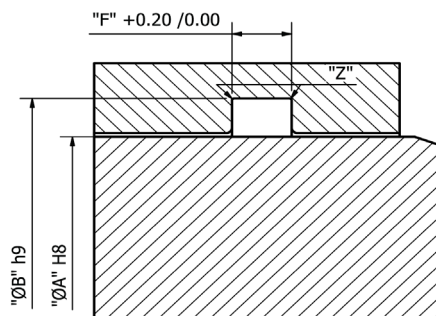
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. "ØB"		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
6.00	10.00	6.07	0.13	1.78	0.08	8.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00607 0178 T571
	108.00	6.02	0.13	2.62	0.08	10.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00602 0262 T571
	202.00	5.94	0.18	3.53	0.10	12.20	0.10	4.20	5.60	7.00	1.00	0.40	OME00594 0353 T571
8.00	11.00	7.65	0.13	1.78	0.08	10.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00765 0178 T571
	109.00	7.59	0.13	2.62	0.08	12.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00759 0262 T571
	203.00	7.52	0.18	3.53	1.00	14.20	0.10	4.20	5.60	7.00	1.00	0.40	OME00752 0353 T571
9.00	12.00	9.25	0.13	1.78	0.08	11.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00925 0178 T571
	110.00	9.19	0.13	2.62	0.08	13.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00919 0262 T571
	204.00	9.12	0.18	3.53	1.00	15.20	0.10	4.20	5.60	7.00	1.00	0.40	OME00912 0353 T571
10.00	13.00	10.82	0.13	1.78	0.08	12.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01082 0178 T571
	111.00	10.77	0.13	2.62	0.08	14.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01077 0262 T571
	205.00	10.69	0.18	3.53	0.10	16.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01069 0353 T571
	309.00	10.46	0.18	5.33	0.13	19.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01046 0533 T571
12.00	14.00	12.42	0.13	1.78	0.08	14.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01242 0178 T571
	112.00	12.37	0.13	2.62	0.08	16.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01237 0262 T571
	206.00	12.29	0.18	3.53	0.10	18.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01229 0353 T571
	310.00	12.07	0.18	5.33	0.13	21.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01207 0533 T571



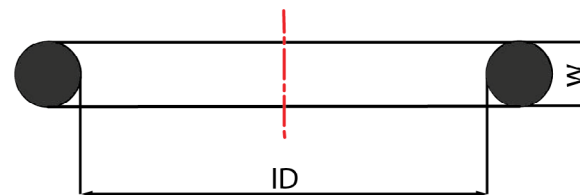
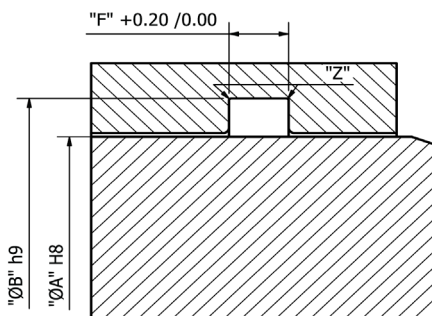
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. "ØB"		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
14.00	15.00	14.00	0.18	1.78	0.08	16.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01400 0178 T571
	113.00	13.94	0.13	2.62	0.08	18.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01394 0262 T571
	207.00	13.87	0.18	3.53	0.10	20.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01387 0353 T571
	311.00	13.64	0.18	5.33	0.13	23.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01364 0533 T571
15.00	16.00	15.60	0.23	1.78	0.08	17.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01560 0178 T571
	114.00	15.54	0.23	2.62	0.08	19.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01554 0262 T571
	208.00	15.47	0.18	3.53	0.10	21.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01547 0353 T571
	312.00	15.24	0.18	5.33	0.13	24.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01524 0533 T571
16.00	16.00	15.60	0.23	1.78	0.08	18.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01560 0178 T571
	114.00	15.54	0.23	2.62	0.08	20.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01554 0262 T571
	208.00	15.47	0.18	3.53	0.10	22.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01547 0353 T571
	313.00	16.81	0.18	5.33	0.13	25.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01681 0533 T571
17.00	17.00	17.17	0.23	1.78	0.08	19.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01717 0178 T571
	115.00	17.12	0.23	2.62	0.08	21.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01712 0262 T571
	209.00	17.04	0.18	3.53	0.10	23.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01704 0353 T571
	313.00	16.81	0.18	5.33	0.13	26.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01681 0533 T571



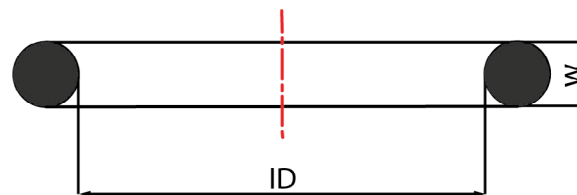
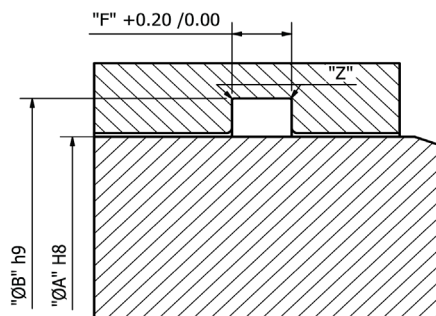
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
18.00	18.00	18.77	0.23	1.78	0.08	20.90	0.05	2.20	3.60	5.00	0.40	0.20	OME01877 0178 T571
	116.00	18.72	0.23	2.62	0.08	22.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01872 0262 T571
	210.00	18.64	0.25	3.53	0.10	24.20	0.10	4.20	5.60	7.00	1.00	0.40	OME01864 0353 T571
	314.00	18.42	0.18	5.33	0.13	27.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01842 0533 T571
20.00	19.00	20.35	0.23	1.78	0.08	22.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02035 0178 T571
	117.00	20.29	0.25	2.62	0.08	24.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02029 0262 T571
	211.00	20.22	0.25	3.53	0.10	26.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02022 0353 T571
	315.00	19.99	0.25	5.33	0.13	29.40	0.15	6.20	7.90	9.60	1.20	0.60	OME01999 0533 T571
22.00	20.00	21.95	0.23	1.78	0.08	24.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02195 0178 T571
	118.00	21.89	0.25	2.62	0.08	26.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02189 0262 T571
	212.00	21.82	0.25	3.53	0.10	28.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02182 0353 T571
	316.00	21.59	0.25	5.33	0.13	31.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02159 0533 T571
23.00	21.00	23.52	0.23	1.78	0.08	25.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02352 0178 T571
	119.00	23.47	0.25	2.62	0.08	27.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02347 0262 T571
	213.00	23.39	0.25	3.53	0.10	29.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02339 0353 T571
	317.00	23.16	0.25	5.33	0.13	32.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02316 0533 T571



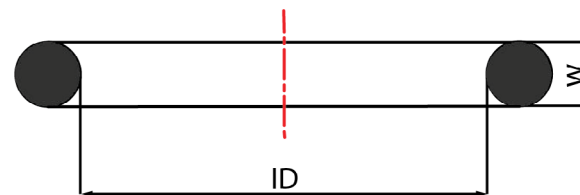
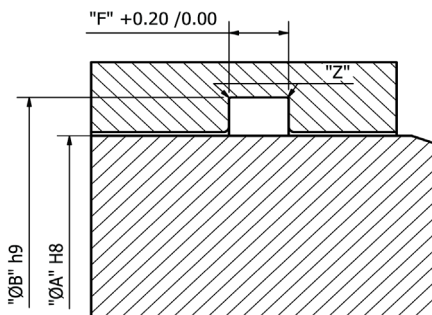
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
25.00	22.00	25.12	0.25	1.78	0.08	27.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02512 0178 T571
	120.00	25.07	0.25	2.62	0.08	29.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02507 0262 T571
	214.00	24.99	0.25	3.53	0.10	31.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02499 0353 T571
	318.00	24.77	0.25	5.33	0.13	33.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02477 0533 T571
27.00	23.00	26.70	0.25	1.78	0.08	29.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02670 0178 T571
	121.00	26.64	0.25	2.62	0.08	31.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02664 0262 T571
	215.00	26.57	0.25	3.53	0.10	33.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02657 0353 T571
	319.00	26.34	0.25	5.33	0.13	36.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02634 0533 T571
28.00	24.00	28.30	0.25	1.78	0.08	30.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02830 0178 T571
	122.00	28.24	0.25	2.62	0.08	32.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02824 0262 T571
	216.00	28.17	0.25	3.53	0.10	34.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02817 0353 T571
	320.00	27.94	0.25	5.33	0.13	37.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02794 0533 T571
30.00	25.00	29.87	0.28	1.78	0.08	32.90	0.05	2.20	3.60	5.00	0.40	0.20	OME02987 0178 T571
	123.00	29.82	0.25	2.62	0.08	34.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02982 0262 T571
	217.00	29.74	0.30	3.53	0.10	36.20	0.10	4.20	5.60	7.00	1.00	0.40	OME02974 0353 T571
	321.00	29.51	0.25	5.33	0.13	39.40	0.15	6.20	7.90	9.60	1.20	0.60	OME02951 0533 T571



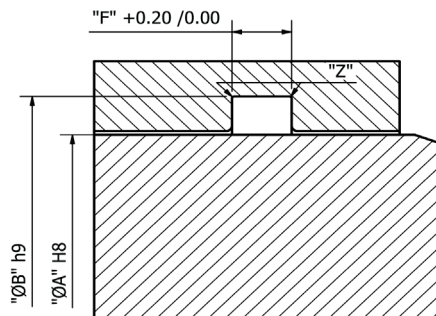
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
31.00	26.00	31.47	0.28	1.78	0.08	33.90	0.05	2.20	3.60	5.00	0.40	0.20	OME03147 0178 T571
	124.00	31.42	0.30	2.62	0.08	35.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03142 0262 T571
	218.00	31.34	0.30	3.53	0.10	37.20	0.10	4.20	5.60	7.00	1.00	0.40	OME03134 0353 T571
	322.00	31.12	0.25	5.33	0.13	40.40	0.15	6.20	7.90	9.60	1.20	0.60	OME03112 0533 T571
32.00	27.00	33.05	0.28	1.78	0.08	34.90	0.05	2.20	3.60	5.00	0.40	0.20	OME03305 0178 T571
	125.00	32.99	0.30	2.62	0.08	36.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03299 0262 T571
	219.00	32.92	0.30	3.53	0.10	38.20	0.10	4.20	5.60	7.00	1.00	0.40	OME03292 0353 T571
	323.00	32.69	0.25	5.33	0.13	41.40	0.15	6.20	7.90	9.60	1.20	0.60	OME03269 0533 T571
35.00	28.00	34.65	0.33	1.78	0.08	37.90	0.05	2.20	3.60	5.00	0.40	0.20	OME03465 0178 T571
	126.00	34.59	0.30	2.62	0.08	39.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03459 0262 T571
	220.00	34.52	0.30	3.53	0.10	41.20	0.10	4.20	5.60	7.00	1.00	0.40	OME03452 0353 T571
	324.00	34.29	0.25	5.33	0.13	44.40	0.15	6.20	7.90	9.60	1.20	0.60	OME03429 0533 T571
36.00	127.00	36.17	0.00	2.62	0.08	40.50	0.10	3.10	3.60	5.90	0.60	0.30	OME03617 0262 T571
	221.00	36.09	0.30	3.53	0.10	42.20	0.10	4.20	5.60	7.00	1.00	0.40	OME03609 0353 T571
	325.00	37.47	0.38	5.33	0.13	45.40	0.15	6.20	7.90	9.60	1.20	0.60	OME03747 0533 T571



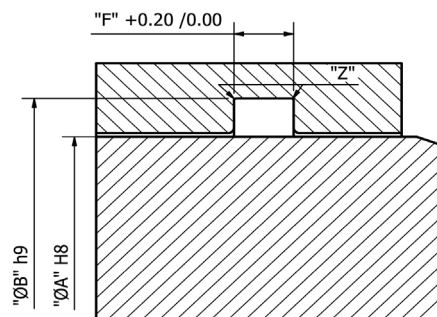
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
38.00	29.00	37.82	0.33	1.78	0.08	40.90	0.05	2.20	3.60	5.00	0.40	0.20	OME03782 0178 T571
	128.00	37.77	0.30	2.62	0.08	42.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03777 0262 T571
	222.00	37.69	0.38	3.53	0.10	44.20	0.10	4.20	5.60	7.00	1.00	0.40	OME03769 0353 T571
	325.00	37.47	0.38	5.33	0.13	47.40	0.15	6.20	7.90	9.60	1.20	0.60	OME03747 0533 T571
40.00	30.00	41.00	0.33	1.78	0.08	42.90	0.05	2.20	3.60	5.00	0.40	0.20	OME04100 0178 T571
	129.00	39.34	0.38	2.62	0.08	44.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03934 0262 T571
	223.00	40.87	0.38	3.53	0.10	46.20	0.10	4.20	5.60	7.00	1.00	0.40	OME04087 0353 T571
	326.00	40.64	0.38	5.33	0.13	49.40	0.15	6.20	7.90	9.60	1.20	0.60	OME04064 0533 T571
42.00	131.00	42.52	0.38	2.62	0.08	46.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04252 0262 T571
	327.00	43.82	0.38	5.33	0.13	51.40	0.15	6.20	7.90	9.60	1.20	0.60	OME04382 0533 T571
44.00	31.00	44.17	0.38	1.78	0.08	46.90	0.05	2.20	3.60	5.00	0.40	0.20	OME04417 0178 T571
	132.00	44.12	0.38	2.62	0.08	48.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04412 0262 T571
	224.00	44.04	0.38	3.53	0.10	50.20	0.10	4.20	5.60	7.00	1.00	0.40	OME04404 0353 T571
	327.00	43.82	0.38	5.33	0.13	53.40	0.15	6.20	7.90	9.60	1.20	0.60	OME04382 0533 T571
45.00	133.00	45.69	0.38	2.62	0.08	49.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04569 0262 T571
	224.00	44.04	0.38	3.53	0.10	51.20	0.10	4.20	5.60	7.00	1.00	0.40	OME04404 0353 T571
	328.00	47.00	0.38	5.33	0.13	54.40	0.15	6.20	7.90	9.60	1.20	0.60	OME04700 0533 T571



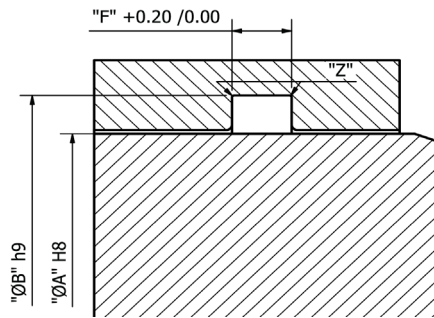
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
47.00	32.00	47.35	0.38	1.78	0.08	49.90	0.05	2.20	3.60	5.00	0.40	0.20	OME04735 0178 T571
	134.00	47.29	0.38	2.62	0.08	51.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04729 0262 T571
	225.00	47.22	0.46	3.53	0.10	53.20	0.10	4.20	5.60	7.00	1.00	0.40	OME04722 0353 T571
	328.00	47.00	0.38	5.33	0.13	56.40	0.15	6.20	7.90	9.60	1.20	0.60	OME04700 0533 T571
50.00	33.00	50.52	0.46	1.78	0.08	52.90	0.05	2.20	3.60	5.00	0.40	0.20	OME05052 0178 T571
	136.00	50.47	0.43	2.62	0.08	54.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05047 0262 T571
	226.00	50.39	0.46	3.53	0.10	56.20	0.10	4.20	5.60	7.00	1.00	0.40	OME05039 0353 T571
	329.00	50.17	0.46	5.33	0.13	59.40	0.15	6.20	7.90	9.60	1.20	0.60	OME05017 0533 T571
54.00	34.00	53.70	0.46	1.78	0.08	56.90	0.05	2.20	3.60	5.00	0.40	0.20	OME05370 0178 T571
	138.00	53.64	0.43	2.62	0.08	58.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05364 0262 T571
	227.00	53.57	0.46	3.53	0.10	60.20	0.10	4.20	5.60	7.00	1.00	0.40	OME05357 0353 T571
	330.00	53.34	0.46	5.33	0.13	63.40	0.15	6.20	7.90	9.60	1.20	0.60	OME05334 0533 T571
55.00	139.00	55.25	0.43	2.62	0.08	59.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05525 0262 T571
	227.00	53.57	0.46	3.53	0.10	61.20	0.10	4.20	5.60	7.00	1.00	0.40	OME05357 0353 T571
	331.00	56.52	0.46	5.33	0.13	64.40	0.15	6.20	7.90	9.60	1.20	0.60	OME05652 0533 T571



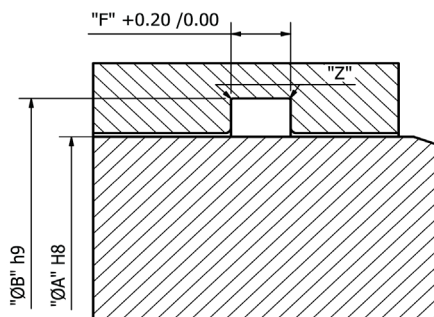
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
56.00	35.00	56.87	0.46	1.78	0.08	58.90	0.05	2.20	3.60	5.00	0.40	0.20	OME05687 0178 T571
	140.00	56.82	0.47	2.62	0.08	60.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05682 0262 T571
	228.00	56.74	0.51	3.53	0.10	62.20	0.10	4.20	5.60	7.00	1.00	0.40	OME05674 0353 T571
	331.00	56.52	0.46	5.33	0.13	65.40	0.15	6.20	7.90	9.60	1.20	0.60	OME05652 0533 T571
60.00	36.00	60.05	0.46	1.78	0.08	62.90	0.05	2.20	3.60	5.00	0.40	0.20	OME06005 0178 T571
	142.00	59.99	0.51	2.62	0.08	64.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05999 0262 T571
	229.00	59.92	0.51	3.53	0.10	66.20	0.10	4.20	5.60	7.00	1.00	0.40	OME05992 0353 T571
	332.00	59.69	0.46	5.33	0.13	69.40	0.15	6.20	7.90	9.60	1.20	0.60	OME05969 0533 T571
63.00	37.00	63.22	0.46	1.78	0.08	65.90	0.05	2.20	3.60	5.00	0.40	0.20	OME06322 0178 T571
	144.00	63.17	0.51	2.62	0.08	67.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06317 0262 T571
	230.00	63.07	0.51	3.53	0.10	69.20	0.10	4.20	5.60	7.00	1.00	0.40	OME06307 0353 T571
	333.00	62.87	0.51	5.33	0.13	72.40	0.15	6.20	7.90	9.60	1.20	0.60	OME06287 0533 T571
65.00	145.00	64.77	0.51	2.62	0.08	69.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06477 0262 T571
	231.00	66.27	0.51	3.53	0.10	71.20	0.10	4.20	5.60	7.00	1.00	0.40	OME06627 0353 T571
	334.00	66.04	0.51	5.33	0.13	74.40	0.15	6.20	7.90	9.60	1.20	0.60	OME06604 0533 T571
66.00	38.00	66.40	0.51	1.78	0.08	68.90	0.05	2.20	3.60	5.00	0.40	0.20	OME06640 0178 T571
	146.00	66.34	0.51	2.62	0.08	70.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06634 0262 T571
	231.00	66.27	0.51	3.53	0.10	72.20	0.10	4.20	5.60	7.00	1.00	0.40	OME06627 0353 T571
	334.00	66.04	0.51	5.33	0.13	75.40	0.15	6.20	7.90	9.60	1.20	0.60	OME06604 0533 T571



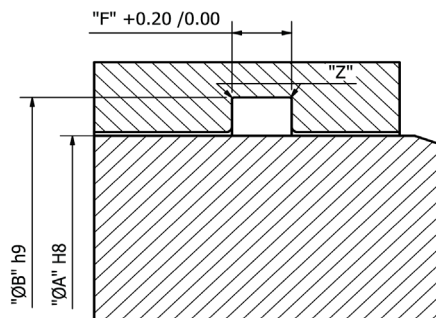
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
70.00	39.00	69.57	0.51	1.78	0.08	72.90	0.05	2.20	3.60	5.00	0.40	0.20	OME06957 0178 T571
	148.00	69.52	0.56	2.62	0.08	74.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06952 0262 T571
	232.00	69.44	0.61	3.53	0.10	76.20	0.10	4.20	5.60	7.00	1.00	0.40	OME06944 0353 T571
	335.00	69.22	0.51	5.33	0.13	79.40	0.15	6.20	7.90	9.60	1.20	0.60	OME06922 0533 T571
73.00	40.00	72.75	0.51	1.78	0.08	75.90	0.05	2.20	3.60	5.00	0.40	0.20	OME07275 0178 T571
	150.00	72.69	0.56	2.62	0.08	77.50	0.10	3.10	4.50	5.90	0.60	0.30	OME07269 0262 T571
	233.00	72.62	0.61	3.53	0.10	79.20	0.10	4.20	5.60	7.00	1.00	0.40	OME07262 0353 T571
	336.00	72.39	0.51	5.33	0.13	82.40	0.15	6.20	7.90	9.60	1.20	0.60	OME07239 0533 T571
75.00	41.00	75.92	0.61	1.78	0.08	77.90	0.05	2.20	3.60	5.00	0.40	0.20	OME07592 0178 T571
	151.00	75.87	0.61	2.62	0.08	79.50	0.10	3.10	4.50	5.90	0.60	0.30	OME07587 0262 T571
	234.00	75.79	0.61	3.53	0.10	81.20	0.10	4.20	5.60	7.00	1.00	0.40	OME07579 0353 T571
	337.00	75.57	0.61	5.33	0.13	84.40	0.15	6.20	7.90	9.60	1.20	0.60	OME07557 0533 T571
80.00	42.00	82.27	0.61	1.78	0.08	82.90	0.05	2.20	3.60	5.00	0.40	0.20	OME08227 0178 T571
	152.00	82.22	0.61	2.62	0.08	84.50	0.10	3.10	4.50	5.90	0.60	0.30	OME08222 0262 T571
	236.00	82.15	0.61	3.53	0.10	86.20	0.10	4.20	5.60	7.00	1.00	0.40	OME08215 0353 T571
	339.00	81.92	0.61	5.33	0.13	89.40	0.15	6.20	7.90	9.60	1.20	0.60	OME08192 0533 T571
85.00	237.00	85.32	0.61	3.53	0.10	91.20	0.10	4.20	5.60	7.00	1.00	0.40	OME08532 0353 T571
	340.00	85.09	0.61	5.33	0.13	94.40	0.15	6.20	7.90	9.60	1.20	0.60	OME08509 0533 T571



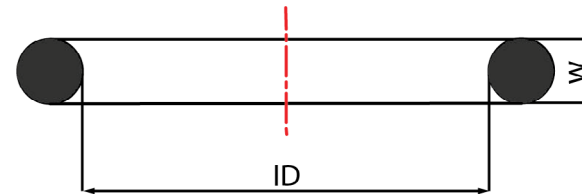
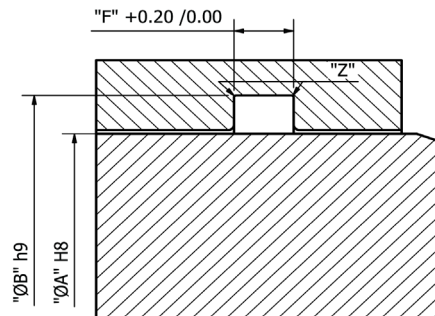
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
88.00	43.00	88.62	0.61	1.78	0.08	90.90	0.05	2.20	3.60	5.00	0.40	0.20	OME08862 0178 T571
	153.00	88.57	0.61	2.62	0.08	92.50	0.10	3.10	4.50	5.90	0.60	0.30	OME08857 0262 T571
	238.00	88.49	0.61	3.53	0.10	94.20	0.10	4.20	5.60	7.00	1.00	0.40	OME08849 0353 T571
	341.00	88.27	0.61	5.33	0.13	97.40	0.15	6.20	7.90	9.60	1.20	0.60	OME08827 0533 T571
90.00	239.00	91.67	0.71	3.53	0.10	96.20	0.10	4.20	5.60	7.00	1.00	0.40	OME09167 0353 T571
	342.00	91.44	0.71	5.33	0.13	99.40	0.15	6.20	7.90	9.60	1.20	0.60	OME09144 0533 T571
95.00	44.00	94.97	0.69	1.78	0.08	97.90	0.05	2.20	3.60	5.00	0.40	0.20	OME09497 0178 T571
	154.00	94.92	0.71	2.62	0.08	99.50	0.10	3.10	4.50	5.90	0.60	0.30	OME09492 0262 T571
	240.00	94.84	0.71	3.53	0.10	101.20	0.10	4.20	5.60	7.00	1.00	0.40	OME09484 0353 T571
	343.00	94.62	0.71	5.33	0.13	104.40	0.15	6.20	7.90	9.60	1.20	0.60	OME09462 0533 T571
98.00	241.00	98.02	0.71	3.53	0.10	104.20	0.10	4.20	5.60	7.00	1.00	0.40	OME09802 0353 T571
	344.00	97.79	0.71	5.33	0.13	107.40	0.15	6.20	7.90	9.60	1.20	0.60	OME09779 0533 T571
100.00	45.00	101.32	0.69	1.78	0.08	102.90	0.05	2.20	3.60	5.00	0.40	0.20	OME10132 0178 T571
	155.00	101.27	0.71	2.62	0.08	104.50	0.10	3.10	4.50	5.90	0.60	0.30	OME10127 0262 T571
	242.00	101.19	0.71	3.53	0.10	106.20	0.10	4.20	5.60	7.00	1.00	0.40	OME10119 0353 T571
	345.00	100.97	0.71	5.33	0.13	109.40	0.15	6.20	7.90	9.60	1.20	0.60	OME10097 0533 T571
105.00	243.00	104.37	0.71	3.53	0.10	111.20	0.10	4.20	5.60	7.00	1.00	0.40	OME10437 0353 T571
	346.00	104.14	0.71	5.33	0.13	114.40	0.15	6.20	7.90	9.60	1.20	0.60	OME10414 0533 T571



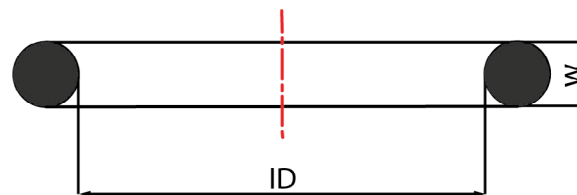
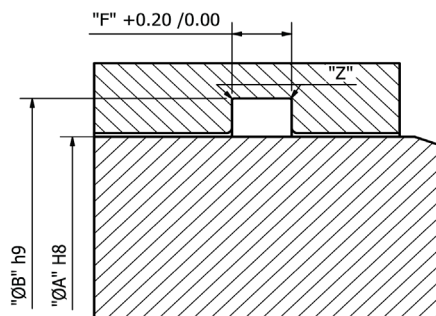
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
108.00	46.00	107.67	0.76	1.78	0.08	110.90	0.05	2.20	3.60	5.00	0.40	0.20	OME10767 0178 T571
	156.00	107.62	0.76	2.62	0.08	112.50	0.10	3.10	4.50	5.90	0.60	0.30	OME10762 0262 T571
	244.00	107.54	0.76	3.53	0.10	114.20	0.10	4.20	5.60	7.00	1.00	0.40	OME10754 0353 T571
	347.00	107.32	0.76	5.33	0.13	117.40	0.15	6.20	7.90	9.60	1.20	0.60	OME10732 0533 T571
110.00	245.00	110.72	0.76	3.53	0.10	116.20	0.10	4.20	5.60	7.00	1.00	0.40	OME11072 0353 T571
	348.00	110.49	0.76	5.33	0.13	119.40	0.15	6.20	7.90	9.60	1.20	0.60	OME11049 0533 T571
115.00	47.00	114.02	0.76	1.78	0.08	117.90	0.05	2.20	3.60	5.00	0.40	0.20	OME11402 0178 T571
	157.00	113.97	0.76	2.62	0.08	119.50	0.10	3.10	4.50	5.90	0.60	0.30	OME11397 0262 T571
	246.00	113.89	0.76	3.53	0.10	121.20	0.10	4.20	5.60	7.00	1.00	0.40	OME11389 0353 T571
	349.00	113.67	0.76	5.33	0.13	124.40	0.15	6.20	7.90	9.60	1.20	0.60	OME11367 0533 T571
	425.00	113.67	0.84	7.00	0.15	127.20	0.15	8.20	10.70	13.20	1.50	0.60	OME11367 0700 T571
118.00	247.00	117.07	0.76	3.53	0.10	124.20	0.10	4.20	5.60	7.00	1.00	0.40	OME11707 0353 T571
	350.00	116.64	0.76	5.33	0.13	127.40	0.15	6.20	7.90	9.60	1.20	0.60	OME11664 0533 T571
	426.00	116.84	0.84	7.00	0.15	130.20	0.15	8.20	10.70	13.20	1.50	0.60	OME11684 0700 T571
120.00	48.00	120.37	0.76	1.78	0.08	122.90	0.05	2.20	3.60	5.00	0.40	0.20	OME12037 0178 T571
	158.00	120.32	0.76	2.62	0.08	124.50	0.10	3.10	4.50	5.90	0.60	0.30	OME12032 0262 T571
	248.00	120.24	0.76	3.53	0.10	126.20	0.10	4.20	5.60	7.00	1.00	0.40	OME12024 0353 T571
	351.00	120.02	0.76	5.33	0.13	129.40	0.15	6.20	7.90	9.60	1.20	0.60	OME12002 0533 T571
	427.00	120.02	0.84	7.00	0.15	132.20	0.15	8.20	10.70	13.20	1.50	0.60	OME12002 0700 T571



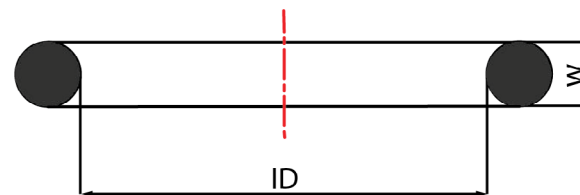
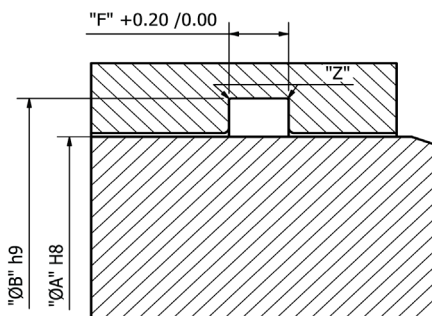
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
122.00	249.00	123.42	0.89	3.53	0.10	128.20	0.10	4.20	5.60	7.00	1.00	0.40	OME12342 0353 T571
	352.00	123.19	0.76	5.33	0.13	131.40	0.15	6.20	7.90	9.60	1.20	0.60	OME12319 0533 T571
	428.00	123.19	0.84	7.00	0.15	134.20	0.15	8.20	10.70	13.20	1.50	0.60	OME12319 0700 T571
125.00	49.00	126.72	0.94	1.78	0.08	127.90	0.05	2.20	3.60	5.00	0.40	0.20	OME12672 0178 T571
	159.00	126.67	0.89	2.62	0.08	129.50	0.10	3.10	4.50	5.90	0.60	0.30	OME12667 0262 T571
	250.00	126.59	0.89	3.53	0.10	131.20	0.10	4.20	5.60	7.00	1.00	0.40	OME12659 0353 T571
	353.00	126.37	0.76	5.33	0.13	134.40	0.15	6.20	7.90	9.60	1.20	0.60	OME12637 0533 T571
	429.00	126.37	0.94	7.00	0.15	137.20	0.15	8.20	10.70	13.20	1.50	0.60	OME12637 0700 T571
130.00	251.00	129.77	0.89	3.53	0.10	136.20	0.10	4.20	5.60	7.00	1.00	0.40	OME12977 0353 T571
	354.00	129.54	0.90	5.33	0.13	139.40	0.15	6.20	7.90	9.60	1.20	0.60	OME12954 0533 T571
	430.00	129.54	0.94	7.00	0.15	142.20	0.15	8.20	10.70	13.20	1.50	0.60	OME12954 0700 T571
132.00	50.00	133.07	0.94	1.78	0.08	134.90	0.05	2.20	3.60	5.00	0.40	0.20	OME13307 0178 T571
	160.00	133.02	0.89	2.62	0.08	136.50	0.10	3.10	4.50	5.90	0.60	0.30	OME13302 0262 T571
	252.00	132.94	0.89	3.53	0.10	138.20	0.10	4.20	5.60	7.00	1.00	0.40	OME13294 0353 T571
	355.00	132.72	0.90	5.33	0.13	141.40	0.15	6.20	7.90	9.60	1.20	0.60	OME13272 0533 T571
	431.00	132.72	0.94	7.00	0.15	144.20	0.15	8.20	10.70	13.20	1.50	0.60	OME13272 0700 T571
136.00	253.00	136.12	0.89	3.53	0.10	142.20	0.10	4.20	5.60	7.00	1.00	0.40	OME13612 0353 T571
	356.00	135.89	0.90	5.33	0.13	145.40	0.15	6.20	7.90	9.60	1.20	0.60	OME13589 0533 T571
	432.00	135.89	0.94	7.00	0.15	148.20	0.15	8.20	10.70	13.20	1.50	0.60	OME13589 0700 T571



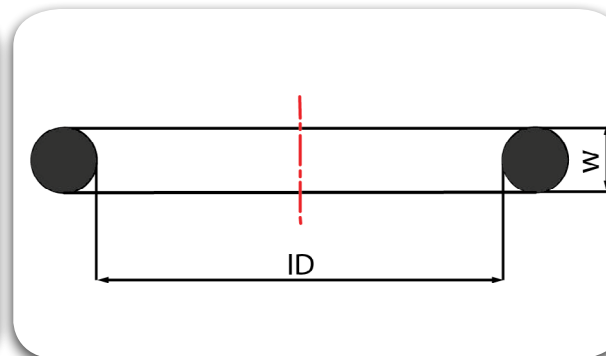
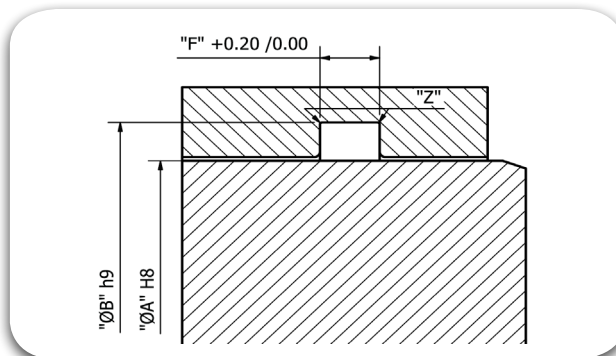
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
140.00	161.00	139.37	0.89	2.62	0.08	144.50	0.10	3.10	4.50	5.90	0.60	0.30	OME13937 0262 T571
	254.00	139.29	0.89	3.53	0.10	146.20	0.10	4.20	5.60	7.00	1.00	0.40	OME13929 0353 T571
	357.00	139.07	0.90	5.33	0.13	149.40	0.15	6.20	7.90	9.60	1.20	0.60	OME13907 0533 T571
	433.00	139.07	0.94	7.00	0.15	152.20	0.15	8.20	10.70	13.20	1.50	0.60	OME13907 0700 T571
142.00	255.00	142.47	0.89	3.53	0.10	148.20	0.10	4.20	5.60	7.00	1.00	0.40	OME14247 0353 T571
	358.00	142.24	0.90	5.33	0.13	151.40	0.15	6.20	7.90	9.60	1.20	0.60	OME14224 0533 T571
	434.00	142.24	0.94	7.00	0.15	154.20	0.15	8.20	10.70	13.20	1.50	0.60	OME14224 0700 T571
145.00	162.00	145.72	0.89	2.62	0.08	149.50	0.10	3.10	4.50	5.90	0.60	0.30	OME14572 0262 T571
	256.00	145.64	0.89	3.53	0.10	151.20	0.10	4.20	5.60	7.00	1.00	0.40	OME14564 0353 T571
	359.00	145.42	0.90	5.33	0.13	154.40	0.15	6.20	7.90	9.60	1.20	0.60	OME14542 0533 T571
	435.00	145.42	0.94	7.00	0.15	157.20	0.15	8.20	10.70	13.20	1.50	0.60	OME14542 0700 T571
148.00	257.00	148.82	0.89	3.53	0.10	154.20	0.10	4.20	5.60	7.00	1.00	0.40	OME14882 0353 T571
	360.00	148.49	0.90	5.33	0.13	157.40	0.15	6.20	7.90	9.60	1.20	0.60	OME14849 0533 T571
	436.00	148.59	0.94	7.00	0.15	160.20	0.15	8.20	10.70	13.20	1.50	0.60	OME14859 0700 T571
150.00	163.00	152.07	0.89	2.62	0.08	154.50	0.10	3.10	4.50	5.90	0.60	0.30	OME15207 0262 T571
	258.00	151.99	0.89	3.53	0.10	156.20	0.10	4.20	5.60	7.00	1.00	0.40	OME15199 0353 T571
	361.00	151.77	0.90	5.33	0.13	159.40	0.15	6.20	7.90	9.60	1.20	0.60	OME15177 0533 T571
	437.00	151.77	0.94	7.00	0.15	162.20	0.15	8.20	10.70	13.20	1.50	0.60	OME15177 0700 T571



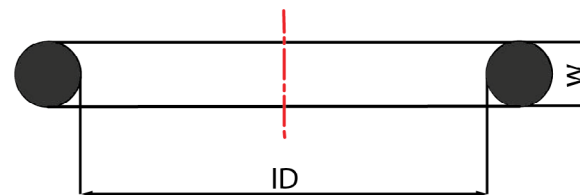
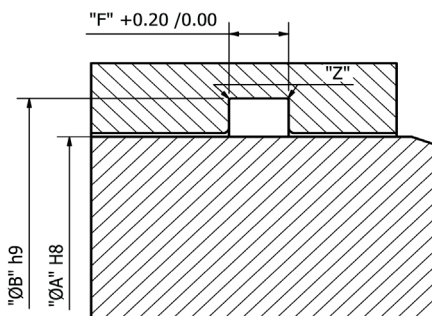
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
160.00	164.00	158.42	1.02	2.62	0.08	164.50	0.10	3.10	4.50	5.90	0.60	0.30	OME15842 0262 T571
	259.00	158.34	1.02	3.53	0.10	166.20	0.10	4.20	5.60	7.00	1.00	0.40	OME15834 0353 T571
	362.00	158.12	0.90	5.33	0.13	169.40	0.15	6.20	7.90	9.60	1.20	0.60	OME15812 0533 T571
	438.00	158.12	1.02	7.00	0.15	172.20	0.15	8.20	10.70	13.20	1.50	0.60	OME15812 0700 T571
165.00	165.00	164.77	1.02	2.62	0.08	169.50	0.10	3.10	4.50	5.90	0.60	0.30	OME16477 0262 T571
	260.00	164.69	1.02	3.53	0.10	171.20	0.10	4.20	5.60	7.00	1.00	0.40	OME16469 0353 T571
	363.00	164.47	0.90	5.33	0.13	174.40	0.15	6.20	7.90	9.60	1.20	0.60	OME16447 0533 T571
	439.00	164.47	1.02	7.00	0.15	177.20	0.15	8.20	10.70	13.20	1.50	0.60	OME16447 0700 T571
170.00	166.00	171.12	1.02	2.62	0.08	174.50	0.10	3.10	4.50	5.90	0.60	0.30	OME17112 0262 T571
	261.00	171.04	1.02	3.53	0.10	176.20	0.10	4.20	5.60	7.00	1.00	0.40	OME17104 0353 T571
	364.00	170.82	0.90	5.33	0.13	179.40	0.15	6.20	7.90	9.60	1.20	0.60	OME17082 0533 T571
	440.00	170.82	1.02	7.00	0.15	182.20	0.15	8.20	10.70	13.20	1.50	0.60	OME17082 0700 T571
175.00	167.00	177.47	1.02	2.62	0.08	179.50	0.10	3.10	4.50	5.90	0.60	0.30	OME17747 0262 T571
	262.00	177.39	1.02	3.53	0.10	181.20	0.10	4.20	5.60	7.00	1.00	0.40	OME17739 0353 T571
	365.00	177.17	0.90	5.33	0.13	184.40	0.15	6.20	7.90	9.60	1.20	0.60	OME17717 0533 T571
	441.00	177.17	1.02	7.00	0.15	187.20	0.15	8.20	10.70	13.20	1.50	0.60	OME17717 0700 T571



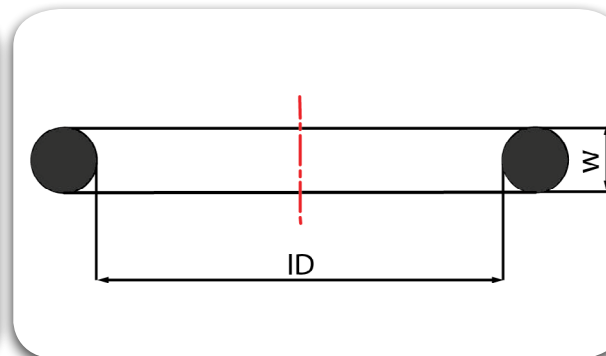
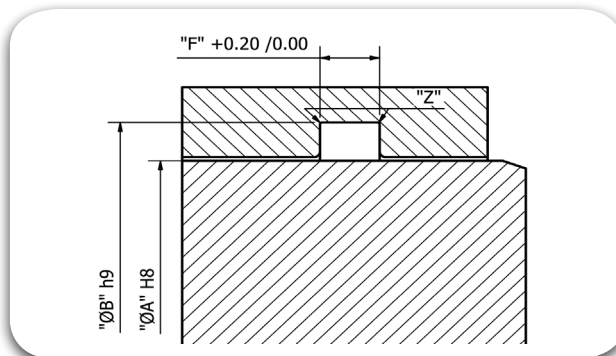
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
180.00	168.00	183.82	1.14	2.62	0.08	184.50	0.10	3.10	4.50	5.90	0.60	0.30	OME18382 0262 T571
	263.00	183.74	1.14	3.53	0.10	186.20	0.10	4.20	5.60	7.00	1.00	0.40	OME18374 0353 T571
	366.00	183.52	1.25	5.33	0.13	189.40	0.15	6.20	7.90	9.60	1.20	0.60	OME18352 0533 T571
	442.00	183.52	1.14	7.00	0.15	192.20	0.15	8.20	10.70	13.20	1.50	0.60	OME18352 0700 T571
190.00	169.00	190.17	1.14	2.62	0.08	194.50	0.10	3.10	4.50	5.90	0.60	0.30	OME19017 0262 T571
	264.00	190.09	1.14	3.53	0.10	196.20	0.10	4.20	5.60	7.00	1.00	0.40	OME19009 0353 T571
	367.00	189.87	1.25	5.33	0.13	199.40	0.15	6.20	7.90	9.60	1.20	0.60	OME18987 0533 T571
	443.00	189.87	1.14	7.00	0.15	202.20	0.15	8.20	10.70	13.20	1.50	0.60	OME18987 0700 T571
195.00	170.00	196.52	1.14	2.62	0.08	199.50	0.10	3.10	4.50	5.90	0.60	0.30	OME19652 0262 T571
	265.00	196.44	1.14	3.53	0.10	201.20	0.10	4.20	5.60	7.00	1.00	0.40	OME19644 0353 T571
	368.00	196.22	1.25	5.33	0.13	204.40	0.15	6.20	7.90	9.60	1.20	0.60	OME19622 0533 T571
	444.00	196.22	1.14	7.00	0.15	207.20	0.15	8.20	10.70	13.20	1.50	0.60	OME19622 0700 T571
200.00	171.00	202.87	1.14	2.62	0.08	204.50	0.10	3.10	4.50	5.90	0.60	0.30	OME20287 0262 T571
	266.00	202.79	1.14	3.53	0.10	206.20	0.10	4.20	5.60	7.00	1.00	0.40	OME20279 0353 T571
	369.00	202.57	1.25	5.33	0.13	209.40	0.15	6.20	7.90	9.60	1.20	0.60	OME20257 0533 T571
	445.00	202.57	1.14	7.00	0.15	212.20	0.15	8.20	10.70	13.20	1.50	0.60	OME20257 0700 T571



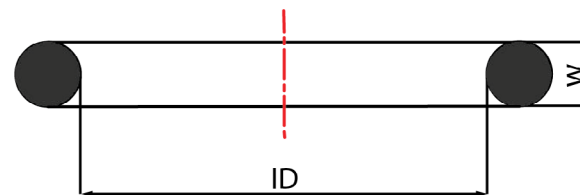
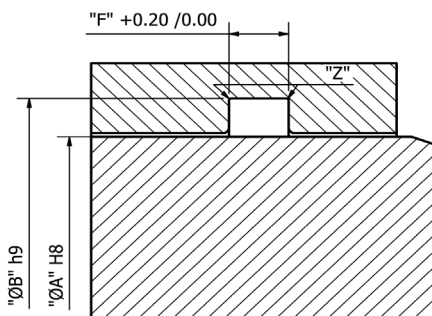
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
210.00	172.00	209.22	1.27	2.62	0.08	214.50	0.10	3.10	4.50	5.90	0.60	0.30	OME20922 0262 T571
	267.00	209.14	1.27	3.53	0.10	216.20	0.10	4.20	5.60	7.00	1.00	0.40	OME20914 0353 T571
	370.00	208.92	1.25	5.33	0.13	219.40	0.15	6.20	7.90	9.60	1.20	0.60	OME20892 0533 T571
	446.00	215.27	1.40	7.00	0.15	222.20	0.15	8.20	10.70	13.20	1.50	0.60	OME21527 0700 T571
215.00	173.00	215.57	1.27	2.62	0.08	219.50	0.10	3.10	4.50	5.90	0.60	0.30	OME21557 0262 T571
	268.00	215.49	1.27	3.53	0.10	221.20	0.10	4.20	5.60	7.00	1.00	0.40	OME21549 0353 T571
	371.00	215.27	1.25	5.33	0.13	224.40	0.15	6.20	7.90	9.60	1.20	0.60	OME21527 0533 T571
	446.00	215.27	1.40	7.00	0.15	227.20	0.15	8.20	10.70	13.20	1.50	0.60	OME21527 0700 T571
220.00	174.00	221.92	1.27	2.62	0.08	224.50	0.10	3.10	4.50	5.90	0.60	0.30	OME22192 0262 T571
	269.00	221.84	1.27	3.53	0.10	226.20	0.10	4.20	5.60	7.00	1.00	0.40	OME22184 0353 T571
	372.00	221.62	1.25	5.33	0.13	229.40	0.15	6.20	7.90	9.60	1.20	0.60	OME22162 0533 T571
	447.00	227.97	1.40	7.00	0.15	232.20	0.15	8.20	10.70	13.20	1.50	0.60	OME22797 0700 T571
225.00	175.00	228.27	1.27	2.62	0.08	229.50	0.10	3.10	4.50	5.90	0.60	0.30	OME22827 0262 T571
	270.00	228.19	1.27	3.53	0.10	231.20	0.10	4.20	5.60	7.00	1.00	0.40	OME22819 0353 T571
	373.00	227.97	1.25	5.33	0.13	234.40	0.15	6.20	7.90	9.60	1.20	0.60	OME22797 0533 T571
	447.00	227.97	1.40	7.00	0.15	237.20	0.15	8.20	10.70	13.20	1.50	0.60	OME22797 0700 T571



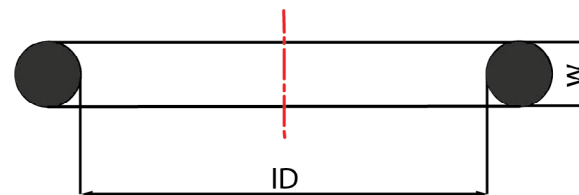
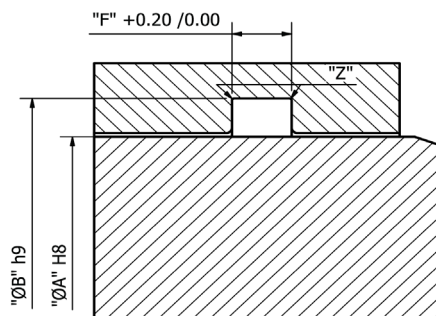
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
235.00	176.00	234.62	1.40	2.62	0.08	239.50	0.10	3.10	4.50	5.90	0.60	0.30	OME23462 0262 T571
	271.00	234.54	1.40	3.53	0.10	241.20	0.10	4.20	5.60	7.00	1.00	0.40	OME23454 0353 T571
	374.00	234.32	1.25	5.33	0.13	244.40	0.15	6.20	7.90	9.60	1.20	0.60	OME23432 0533 T571
	448.00	240.67	1.40	7.00	0.15	247.20	0.15	8.20	10.70	13.20	1.50	0.60	OME24067 0700 T571
240.00	177.00	240.97	1.40	2.62	0.08	244.50	0.10	3.10	4.50	5.90	0.60	0.30	OME24097 0262 T571
	272.00	240.89	1.40	3.53	0.10	246.20	0.10	4.20	5.60	7.00	1.00	0.40	OME24089 0353 T571
	375.00	240.67	1.25	5.33	0.13	249.40	0.15	6.20	7.90	9.60	1.20	0.60	OME24067 0533 T571
	448.00	240.67	1.40	7.00	0.15	252.20	0.15	8.20	10.70	13.20	1.50	0.60	OME24067 0700 T571
245.00	273.00	247.24	1.40	3.53	0.10	251.20	0.10	4.20	5.60	7.00	1.00	0.40	OME24724 0353 T571
	376.00	247.02	1.25	5.33	0.13	254.40	0.15	6.20	7.90	9.60	1.20	0.60	OME24702 0533 T571
	449.00	253.37	1.40	7.00	0.15	257.20	0.15	8.20	10.70	13.20	1.50	0.60	OME25337 0700 T571
250.00	274.00	253.59	1.40	3.53	0.10	256.20	0.10	4.20	5.60	7.00	1.00	0.40	OME25359 0353 T571
	377.00	253.37	1.25	5.33	0.13	259.40	0.15	6.20	7.90	9.60	1.20	0.60	OME25337 0533 T571
	449.00	253.37	1.40	7.00	0.15	262.20	0.15	8.20	10.70	13.20	1.50	0.60	OME25337 0700 T571
265.00	275.00	266.29	1.40	3.53	0.10	271.20	0.10	4.20	5.60	7.00	1.00	0.40	OME26629 0353 T571
	378.00	266.07	1.25	5.33	0.13	274.40	0.15	6.20	7.90	9.60	1.20	0.60	OME26607 0533 T571
	450.00	266.07	1.52	7.00	0.15	277.20	0.15	8.20	10.70	13.20	1.50	0.60	OME26607 0700 T571



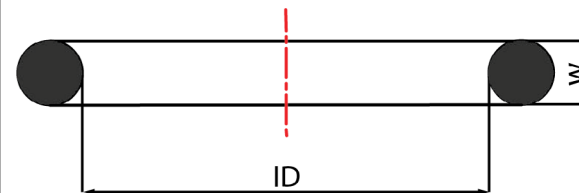
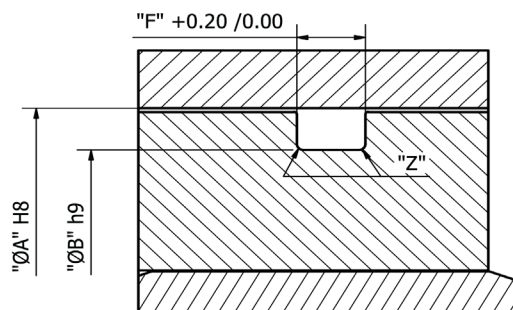
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
280.00	276.00	278.99	1.68	3.53	0.10	286.20	0.10	4.20	5.60	7.00	1.00	0.40	OME27899 0353 T571
	379.00	278.77	1.25	5.33	0.13	289.40	0.15	6.20	7.90	9.60	1.20	0.60	OME27877 0533 T571
	451.00	278.77	1.52	7.00	0.15	292.20	0.15	8.20	10.70	13.20	1.50	0.60	OME27877 0700 T571
290.00	277.00	291.69	1.65	3.53	0.10	296.20	0.10	4.20	5.60	7.00	1.00	0.40	OME29169 0353 T571
	380.00	291.47	1.25	5.33	0.13	299.40	0.15	6.20	7.90	9.60	1.20	0.60	OME29147 0533 T571
	452.00	291.47	1.52	7.00	0.15	302.20	0.15	8.20	10.70	13.20	1.50	0.60	OME29147 0700 T571
300.00	278.00	304.39	1.65	3.53	0.10	306.20	0.10	4.20	5.60	7.00	1.00	0.40	OME30439 0353 T571
	381.00	304.17	1.25	5.33	0.13	309.40	0.15	6.20	7.90	9.60	1.20	0.60	OME30417 0533 T571
	453.00	304.17	1.52	7.00	0.15	312.20	0.15	8.20	10.70	13.20	1.50	0.60	OME30417 0700 T571
320.00	279.00	329.79	1.65	3.53	0.10	326.20	0.10	4.20	5.60	7.00	1.00	0.40	OME32979 0353 T571
	382.00	329.57	1.25	5.33	0.13	329.40	0.15	6.20	7.90	9.60	1.20	0.60	OME32957 0533 T571
	455.00	329.57	1.52	7.00	0.15	332.40	0.15	8.20	10.70	13.20	1.50	0.60	OME32957 0700 T571
350.00	280.00	355.19	1.65	3.53	0.10	356.20	0.10	4.20	5.60	7.00	1.00	0.40	OME35519 0353 T571
	383.00	354.97	1.25	5.33	0.13	359.40	0.15	6.20	7.90	9.60	1.20	0.60	OME35497 0533 T571
	457.00	354.97	1.78	7.00	0.15	362.20	0.15	8.20	10.70	13.20	1.50	0.60	OME35497 0700 T571
360.00	280.00	355.19	1.65	3.53	0.10	366.20	0.10	4.20	5.60	7.00	1.00	0.40	OME35519 0353 T571
	383.00	354.97	1.25	5.33	0.13	369.40	0.15	6.20	7.90	9.60	1.20	0.60	OME35497 0533 T571
	458.00	367.67	1.78	7.00	0.15	372.20	0.15	8.20	10.70	13.20	1.50	0.60	OME36767 0700 T571



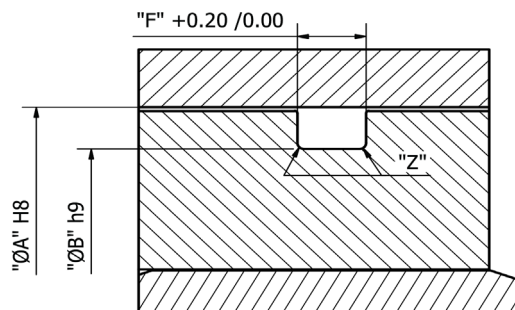
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
380.00	281.00	380.59	1.65	3.53	0.10	386.20	0.10	4.20	5.60	7.00	1.00	0.40	OME38059 0353 T571
	384.00	380.37	1.25	5.33	0.13	389.40	0.15	6.20	7.90	9.60	1.20	0.60	OME38037 0533 T571
	459.00	380.37	1.78	7.00	0.15	392.20	0.15	8.20	10.70	13.20	1.50	0.60	OME38037 0700 T571
400.00	282.00	405.26	2.15	3.53	0.10	406.20	0.10	4.20	5.60	7.00	1.00	0.40	OME40526 0353 T571
	385.00	405.26	1.90	5.33	0.13	409.40	0.15	6.20	7.90	9.60	1.20	0.60	OME40526 0533 T571
	461.00	405.26	2.00	7.00	0.15	412.20	0.15	8.20	10.70	13.20	1.50	0.60	OME40526 0700 T571
420.00	282.00	405.26	2.15	3.53	0.10	426.20	0.10	4.20	5.60	7.00	1.00	0.40	OME40526 0353 T571
	385.00	405.26	1.90	5.33	0.13	429.40	0.15	6.20	7.90	9.60	1.20	0.60	OME40526 0533 T571
	462.00	417.96	2.00	7.00	0.15	432.20	0.15	8.20	10.70	13.20	1.50	0.60	OME41796 0700 T571
430.00	283.00	430.66	2.15	3.53	0.10	436.20	0.10	4.20	5.60	7.00	1.00	0.40	OME43066 0353 T571
	386.00	430.65	1.90	5.33	0.13	439.40	0.15	6.20	7.90	9.60	1.20	0.60	OME43065 0533 T571
	463.00	430.65	2.00	7.00	0.15	442.20	0.15	8.20	10.70	13.20	1.50	0.60	OME43065 0700 T571
450.00	284.00	456.06	2.15	3.53	0.10	456.20	0.10	4.20	5.60	7.00	1.00	0.40	OME45606 0353 T571
	387.00	456.06	1.90	5.33	0.13	459.40	0.15	6.20	7.90	9.60	1.20	0.60	OME45606 0533 T571
	465.00	456.06	2.00	7.00	0.15	462.20	0.15	8.20	10.70	13.20	1.50	0.60	OME45606 0700 T571
470.00	387.00	456.06	1.90	5.33	0.13	479.40	0.15	6.20	7.90	9.60	1.20	0.60	OME45606 0533 T571
	466.00	468.76	2.00	7.00	0.15	482.20	0.15	8.20	10.70	13.20	1.50	0.60	OME46876 0700 T571



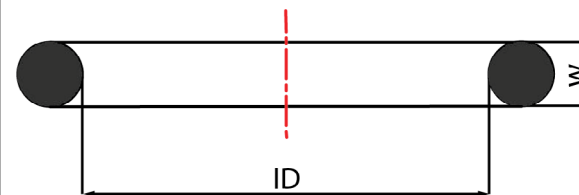
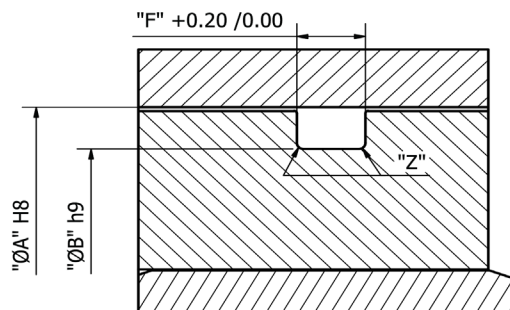
Rod Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back-up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
480.00	388.00	481.38	1.90	5.33	0.13	489.40	0.15	6.20	7.90	9.60	1.20	0.60	OME48138 0533 T571
	467.00	481.46	2.00	7.00	0.15	492.20	0.15	8.20	10.70	13.20	1.50	0.60	OME48146 0700 T571
490.00	388.00	481.38	1.90	5.33	0.13	499.40	0.15	6.20	7.90	9.60	1.20	0.60	OME48138 0533 T571
	468.00	494.16	2.00	7.00	0.15	502.20	0.15	8.20	10.70	13.20	1.50	0.60	OME49416 0700 T571
500.00	389.00	506.78	1.90	5.33	0.13	509.40	0.15	6.20	7.90	9.60	1.20	0.60	OME50678 0533 T571
	469.00	506.86	2.00	7.00	0.15	512.20	0.15	8.20	10.70	13.20	1.50	0.60	OME50686 0700 T571
530.00	390.00	532.18	1.90	5.33	0.13	539.40	0.15	6.20	7.90	9.60	1.20	0.60	OME53218 0533 T571
	470.00	532.26	2.00	7.00	0.15	542.20	0.15	8.20	10.70	13.20	1.50	0.60	OME53226 0700 T571
550.00	391.00	557.58	1.90	5.33	0.13	559.40	0.15	6.20	7.90	9.60	1.20	0.60	OME55758 0533 T571
	471.00	557.66	2.00	7.00	0.15	562.20	0.15	8.20	10.70	13.20	1.50	0.60	OME55766 0700 T571
580.00	392.00	582.68	2.40	5.33	0.13	589.40	0.15	6.20	7.90	9.60	1.20	0.60	OME58268 0533 T571
	472.00	582.68	2.40	7.00	0.15	592.20	0.15	8.20	10.70	13.20	1.50	0.60	OME58268 0700 T571
600.00	393.00	608.08	2.40	5.33	0.13	609.40	0.15	6.20	7.90	9.60	1.20	0.60	OME60808 0533 T571
	473.00	608.08	2.40	7.00	0.15	612.20	0.15	8.20	10.70	13.20	1.50	0.60	OME60808 0700 T571
630.00	394.00	633.48	2.40	5.33	0.13	639.40	0.15	6.20	7.90	9.60	1.20	0.60	OME63348 0533 T571
	474.00	633.48	2.40	7.00	0.15	642.20	0.15	8.20	10.70	13.20	1.50	0.60	OME63348 0700 T571
650.00	395.00	658.88	2.40	5.33	0.13	659.40	0.15	6.20	7.90	9.60	1.20	0.60	OME65888 0533 T571
	475.00	658.88	2.40	7.00	0.15	662.20	0.15	8.20	10.70	13.20	1.50	0.60	OME65888 0700 T571



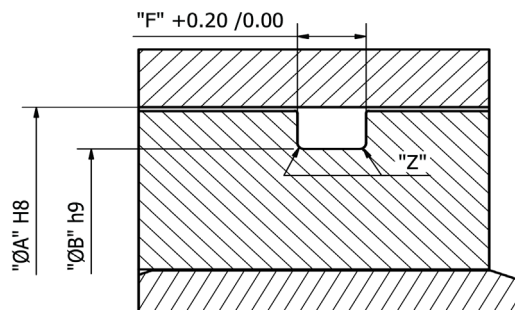
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
2.40	1.00	0.74	0.10	1.02	0.08	0.80	0.05	1.40	NA	NA	0.20	0.20	OME00074 0102 T571
3.00	2.00	1.07	0.10	1.27	0.08	1.00	0.05	1.80	NA	NA	0.20	0.20	OME00107 0127 T571
3.50	9021/2	1.78	0.10	1.02	0.08	1.90	0.05	1.40	NA	NA	0.20	0.20	OME00178 0102 T571
4.00	3.00	1.42	0.10	1.52	0.08	1.60	0.05	2.10	NA	NA	0.20	0.20	OME00142 0152 T571
4.80	4.00	1.78	0.13	1.78	0.08	1.90	0.05	2.20	3.60	5.00	0.40	0.20	OME00178 0178 T571
5.50	5.00	2.57	0.13	1.78	0.08	2.60	0.05	2.20	3.60	5.00	0.40	0.20	OME00257 0178 T571
6.00	6.00	2.90	0.13	1.78	0.08	3.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00290 0178 T571
	102.00	1.24	0.10	2.62	0.08	1.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00124 0262 T571
7.00	7.00	3.68	0.13	1.78	0.08	4.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00368 0178 T571
	103.00	2.06	0.13	2.62	0.08	2.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00206 0262 T571
8.00	8.00	4.47	0.13	1.78	0.08	5.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00447 0178 T571
	104.00	2.84	0.13	2.62	0.08	3.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00284 0262 T571
9.00	9.00	5.28	0.13	1.78	0.08	6.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00528 0178 T571
	105.00	3.63	0.13	2.62	0.08	4.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00363 0262 T571
9.50	10.00	6.07	0.13	1.78	0.08	6.60	0.05	2.20	3.60	5.00	0.40	0.20	OME00607 0178 T571
	106.00	4.42	0.13	2.62	0.08	5.00	0.10	3.10	4.50	5.90	0.60	0.30	OME00442 0262 T571
10.00	107.00	5.23	0.13	2.62	0.08	5.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00523 0262 T571



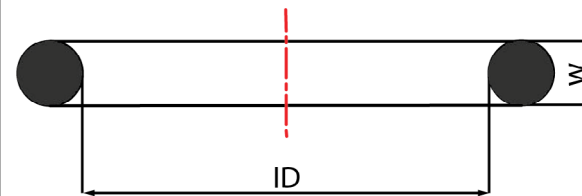
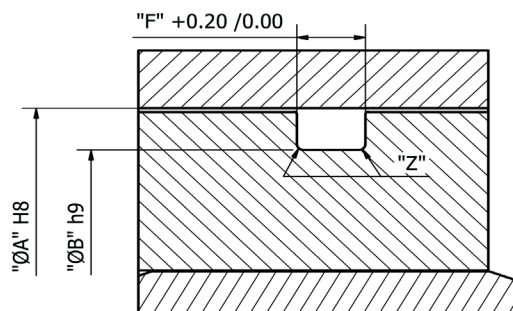
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
11.00	11.00	7.65	0.13	1.78	0.08	8.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00765 0178 T571
	108.00	6.02	0.13	2.62	0.08	6.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00602 0262 T571
	201.00	4.34	0.18	3.53	0.10	4.80	0.10	4.20	5.60	7.00	1.00	0.40	OME00434 0353 T571
12.00	12.00	9.25	0.13	1.78	0.08	9.10	0.05	2.20	3.60	5.00	0.40	0.20	OME00925 0178 T571
	109.00	7.59	0.13	2.62	0.08	7.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00759 0262 T571
	202.00	5.94	0.18	3.53	0.10	5.80	0.10	4.20	5.60	7.00	1.00	0.40	OME00594 0353 T571
14.00	13.00	10.82	0.13	1.78	0.08	11.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01082 0178 T571
	110.00	9.19	0.13	2.62	0.08	9.50	0.10	3.10	4.50	5.90	0.60	0.30	OME00919 0262 T571
	203.00	7.52	0.18	3.53	0.10	7.80	0.10	4.20	5.60	7.00	1.00	0.40	OME00752 0353 T571
15.00	906.00	11.89	0.13	1.98	0.08	11.70	0.05	2.50	3.90	5.30	0.40	0.20	OME01189 0198 T571
16.00	14.00	12.42	0.13	1.78	0.08	13.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01242 0178 T571
	111.00	10.77	0.13	2.62	0.08	11.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01077 0262 T571
	204.00	9.12	0.18	3.53	0.10	9.80	0.10	4.20	5.60	7.00	1.00	0.40	OME00912 0353 T571
18.00	15.00	14.00	0.18	1.78	0.08	15.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01400 0178 T571
	112.00	12.37	0.13	2.62	0.08	13.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01237 0262 T571
	205.00	10.69	0.18	3.53	0.10	11.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01069 0353 T571
19.00	16.00	15.60	0.23	1.78	0.08	16.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01560 0178 T571
	113.00	13.94	0.13	2.62	0.08	14.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01394 0262 T571
	206.00	12.29	0.18	3.53	0.10	12.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01229 0353 T571



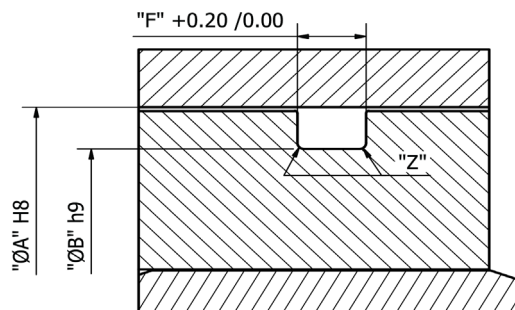
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
20.00	17.00	17.17	0.23	1.78	0.08	17.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01717 0178 T571
	114.00	15.54	0.13	2.62	0.08	15.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01554 0262 T571
	207.00	13.87	0.18	3.53	0.10	13.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01387 0353 T571
	309.00	10.46	0.18	5.33	0.13	10.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01045 0533 T571
22.00	18.00	18.77	0.23	1.78	0.08	19.10	0.05	2.20	3.60	5.00	0.40	0.20	OME01877 0178 T571
	115.00	17.12	0.13	2.62	0.08	17.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01712 0262 T571
	208.00	15.47	0.18	3.53	0.10	15.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01547 0353 T571
	310.00	12.07	0.18	5.33	0.13	12.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01207 0533 T571
24.00	19.00	20.35	0.23	1.78	0.08	21.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02035 0178 T571
	116.00	18.72	0.13	2.62	0.08	19.50	0.10	3.10	4.50	5.90	0.60	0.30	OME01872 0262 T571
	209.00	17.04	0.18	3.53	0.10	17.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01704 0353 T571
	311.00	13.62	0.18	5.33	0.13	14.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01362 0533 T571
25.00	20.00	21.95	0.23	1.78	0.08	22.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02195 0178 T571
	117.00	20.29	0.25	2.62	0.08	20.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02029 0262 T571
	210.00	18.64	0.25	3.53	0.10	18.80	0.10	4.20	5.60	7.00	1.00	0.40	OME01864 0353 T571
	312.00	15.24	0.18	5.33	0.13	15.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01524 0533 T571



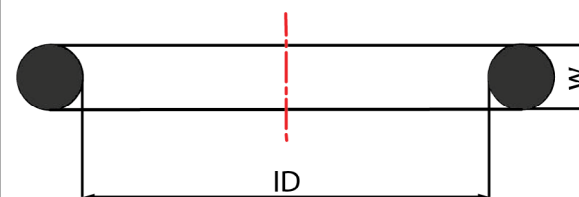
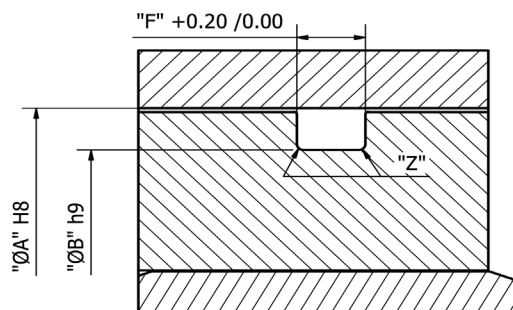
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
27.00	21.00	23.52	0.23	1.78	0.08	24.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02352 0178 T571
	118.00	21.89	0.25	2.62	0.08	22.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02189 0262 T571
	211.00	20.22	0.25	3.53	0.10	20.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02022 0353 T571
	313.00	16.81	0.18	5.33	0.13	17.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01681 0533 T571
28.00	22.00	25.12	0.25	1.78	0.08	25.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02512 0178 T571
	119.00	23.47	0.25	2.62	0.08	23.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02347 0262 T571
	212.00	21.82	0.25	3.53	0.10	21.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02182 0353 T571
	314.00	18.42	0.18	5.33	0.13	18.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01842 0533 T571
30.00	23.00	26.70	0.25	1.78	0.08	27.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02670 0178 T571
	120.00	25.07	0.25	2.62	0.08	25.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02507 0262 T571
	213.00	23.39	0.25	3.53	0.10	23.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02339 0353 T571
	315.00	19.99	0.25	5.33	0.13	20.60	0.15	6.20	7.90	9.60	1.20	0.60	OME01999 0533 T571
32.00	24.00	28.30	0.25	1.78	0.08	29.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02830 0178 T571
	121.00	26.64	0.25	2.62	0.08	27.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02664 0262 T571
	214.00	24.99	0.25	3.53	0.10	25.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02499 0353 T571
	316.00	21.59	0.25	5.33	0.13	22.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02159 0533 T571



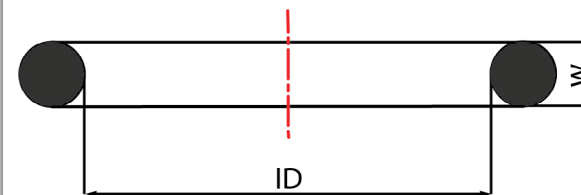
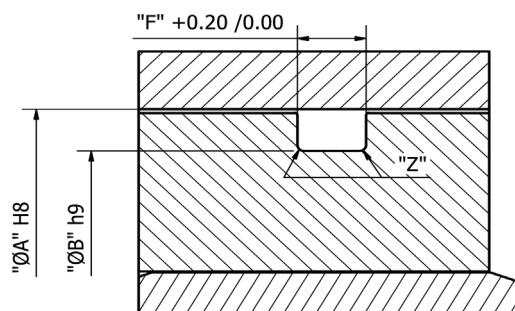
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
33.00	25.00	29.87	0.28	1.78	0.08	30.10	0.05	2.20	3.60	5.00	0.40	0.20	OME02987 0178 T571
	122.00	28.24	0.25	2.62	0.08	28.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02824 0262 T571
	215.00	26.57	0.25	3.53	0.10	26.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02657 0353 T571
	316.00	23.16	0.25	5.33	0.13	23.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02316 0533 T571
35.00	26.00	31.47	0.28	1.78	0.08	32.10	0.05	2.20	3.60	5.00	0.40	0.20	OME03147 0178 T571
	123.00	29.82	0.25	2.62	0.08	30.50	0.10	3.10	4.50	5.90	0.60	0.30	OME02982 0262 T571
	216.00	28.17	0.30	3.53	0.10	28.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02817 0353 T571
	318.00	24.77	0.25	5.33	0.13	25.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02477 0533 T571
37.00	27.00	33.05	0.28	1.78	0.08	34.10	0.05	2.20	3.60	5.00	0.40	0.20	OME03305 0178 T571
	124.00	31.42	0.30	2.62	0.08	32.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03142 0262 T571
	217.00	29.74	0.30	3.53	0.10	30.80	0.10	4.20	5.60	7.00	1.00	0.40	OME02974 0353 T571
	319.00	26.34	0.25	5.33	0.13	27.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02634 0533 T571
38.00	28.00	34.65	0.33	1.78	0.08	35.10	0.05	2.20	3.60	5.00	0.40	0.20	OME03465 0178 T571
	125.00	32.99	0.30	2.62	0.08	33.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03299 0262 T571
	218.00	31.44	0.30	3.53	0.10	31.80	0.10	4.20	5.60	7.00	1.00	0.40	OME03144 0353 T571
	320.00	27.94	0.25	5.33	0.13	28.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02794 0533 T571
40.00	126.00	34.59	0.30	2.62	0.08	35.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03459 0262 T571
	219.00	32.92	0.30	3.53	0.10	33.80	0.10	4.20	5.60	7.00	1.00	0.40	OME03292 0353 T571
	321.00	29.51	0.25	5.33	0.13	30.60	0.15	6.20	7.90	9.60	1.20	0.60	OME02951 0533 T571



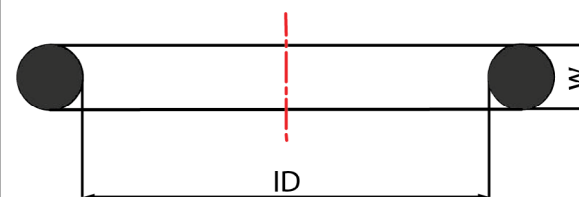
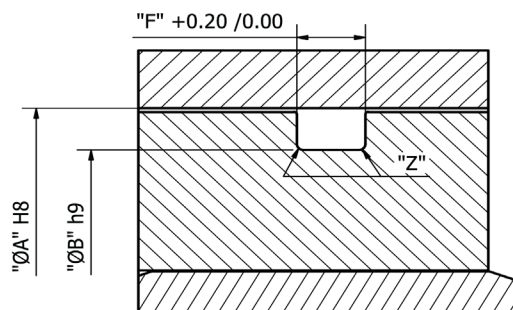
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
42.00	29.00	37.82	0.33	1.78	0.08	39.10	0.05	2.20	3.60	5.00	0.40	0.20	OME03782 0178 T571
	127.00	36.17	0.30	2.62	0.08	37.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03617 0262 T571
	220.00	34.52	0.30	3.53	0.10	35.80	0.10	4.20	5.60	7.00	1.00	0.40	OME03452 0353 T571
	322.00	31.12	0.25	5.33	0.13	32.60	0.15	6.20	7.90	9.60	1.20	0.60	OME03112 0533 T571
43.00	128.00	37.77	0.30	2.62	0.08	38.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03777 0262 T571
	221.00	36.09	0.30	3.53	0.10	36.80	0.10	4.20	5.60	7.00	1.00	0.40	OME03609 0353 T571
	323.00	32.69	0.25	5.33	0.13	33.60	0.15	6.20	7.90	9.60	1.20	0.60	OME03269 0533 T571
45.00	30.00	41.00	0.33	1.78	0.08	42.10	0.05	2.20	3.60	5.00	0.40	0.20	OME04100 0178 T571
	129.00	39.34	0.38	2.62	0.08	40.50	0.10	3.10	4.50	5.90	0.60	0.30	OME03934 0262 T571
	222.00	37.69	0.38	3.53	0.10	38.80	0.10	4.20	5.60	7.00	1.00	0.40	OME03769 0353 T571
	324.00	34.29	0.25	5.33	0.13	35.60	0.15	6.20	7.90	9.60	1.20	0.60	OME03429 0533 T571
48.00	31.00	44.17	0.38	1.78	0.08	45.10	0.05	2.20	3.60	5.00	0.40	0.20	OME04417 0178 T571
	131.00	42.52	0.38	2.62	0.08	43.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04252 0262 T571
	223.00	40.87	0.38	3.53	0.10	41.80	0.10	4.20	5.60	7.00	1.00	0.40	OME04087 0353 T571
	325.00	37.47	0.38	5.33	0.13	38.60	0.15	6.20	7.90	9.60	1.20	0.60	OME03747 0178 T571
50.00	32.00	47.35	0.38	1.78	0.08	47.10	0.05	2.20	3.60	5.00	0.40	0.20	OME04735 0178 T571
	132.00	44.12	0.38	2.62	0.08	45.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04412 0262 T571
	224.00	44.04	0.38	3.53	0.10	43.80	0.10	4.20	5.60	7.00	1.00	0.40	OME04404 0353 T571
	326.00	40.64	0.38	5.33	0.13	40.60	0.15	6.20	7.90	9.60	1.20	0.60	OME04064 0533 T571



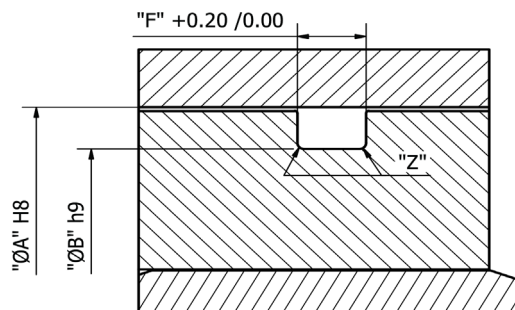
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
52.00	32.00	47.35	0.38	1.78	0.08	49.10	0.05	2.20	3.60	5.00	0.40	0.20	OME04735 0178 T571
	133.00	45.69	0.38	2.62	0.08	47.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04569 0262 T571
	224.00	44.04	0.38	3.53	0.10	45.80	0.10	4.20	5.60	7.00	1.00	0.40	OME04404 0353 T571
	326.00	40.64	0.38	5.33	0.13	42.60	0.15	6.20	7.90	9.60	1.20	0.60	OME04064 0533 T571
55.00	33.00	50.52	0.46	1.78	0.08	52.10	0.05	2.20	3.60	5.00	0.40	0.20	OME05052 0178 T571
	135.00	48.90	0.43	2.62	0.08	50.50	0.10	3.10	4.50	5.90	0.60	0.30	OME04890 0262 T571
	225.00	47.22	0.46	3.53	0.10	48.80	0.10	4.20	5.60	7.00	1.00	0.40	OME04722 0353 T571
	327.00	43.82	0.38	5.33	0.13	45.60	0.15	6.20	7.90	9.60	1.20	0.60	OME04382 0533 T571
58.00	34.00	53.70	0.46	1.78	0.08	55.10	0.05	2.20	3.60	5.00	0.40	0.20	OME05370 0178 T571
	137.00	52.07	0.43	2.62	0.08	53.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05207 0262 T571
	226.00	50.39	0.46	3.53	0.10	51.80	0.10	4.20	5.60	7.00	1.00	0.40	OME05039 0353 T571
	328.00	49.99	0.38	5.33	0.13	48.60	0.15	6.20	7.90	9.60	1.20	0.60	OME04999 0533 T571
60.00	35.00	56.87	0.46	1.78	0.08	57.10	0.05	2.20	3.60	5.00	0.40	0.20	OME05687 0178 T571
	139.00	55.25	0.43	2.62	0.08	55.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05525 0262 T571
	227.00	53.57	0.46	3.53	0.10	53.80	0.10	4.20	5.60	7.00	1.00	0.40	OME05357 0353 T571
	329.00	50.17	0.46	5.33	0.13	50.60	0.15	6.20	7.90	9.60	1.20	0.60	OME05017 0533 T571



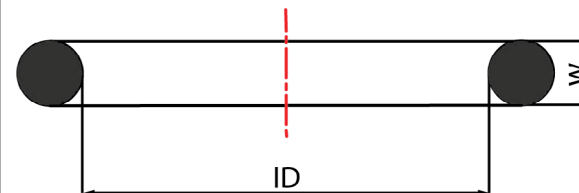
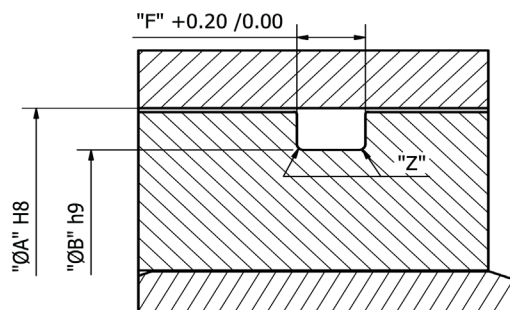
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
63.00	36.00	60.05	0.46	1.78	0.08	60.10	0.05	2.20	3.60	5.00	0.40	0.20	OME06005 0178 T571
	141.00	58.42	0.51	2.62	0.08	58.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05842 0262 T571
	228.00	56.74	0.51	3.53	0.10	56.80	0.10	4.20	5.60	7.00	1.00	0.40	OME05674 0353 T571
	330.00	53.34	0.46	5.33	0.13	53.60	0.15	6.20	7.90	9.60	1.20	0.60	OME05334 0533 T571
65.00	36.00	60.05	0.46	1.78	0.08	62.10	0.05	2.20	3.60	5.00	0.40	0.20	OME06005 0178 T571
	141.00	58.42	0.51	2.62	0.08	60.50	0.10	3.10	4.50	5.90	0.60	0.30	OME05842 0262 T571
	228.00	56.74	0.51	3.53	0.10	58.80	0.10	4.20	5.60	7.00	1.00	0.40	OME05674 0353 T571
	330.00	53.34	0.46	5.33	0.13	55.60	0.15	6.20	7.90	9.60	1.20	0.60	OME05334 0533 T571
68.00	37.00	63.22	0.46	1.78	0.08	65.10	0.05	2.20	3.60	5.00	0.40	0.20	OME06322 0178 T571
	144.00	63.17	0.51	2.62	0.08	63.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06317 0262 T571
	229.00	59.92	0.51	3.53	0.10	61.80	0.10	4.20	5.60	7.00	1.00	0.40	OME05992 0353 T571
	331.00	56.52	0.46	5.33	0.13	58.60	0.15	6.20	7.90	9.60	1.20	0.60	OME05652 0533 T571
70.00	38.00	66.40	0.51	1.78	0.08	67.10	0.05	2.20	3.60	5.00	0.40	0.20	OME06640 0178 T571
	145.00	64.77	0.51	2.62	0.08	65.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06477 0262 T571
	230.00	63.09	0.51	3.53	0.10	63.80	0.10	4.20	5.60	7.00	1.00	0.40	OME06309 0353 T571
	332.00	59.69	0.46	5.33	0.13	60.60	0.15	6.20	7.90	9.60	1.20	0.60	OME05969 0533 T571



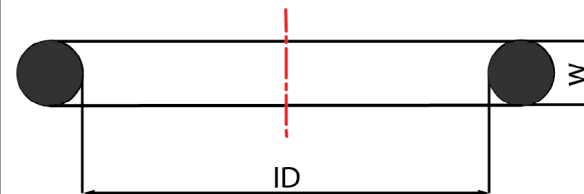
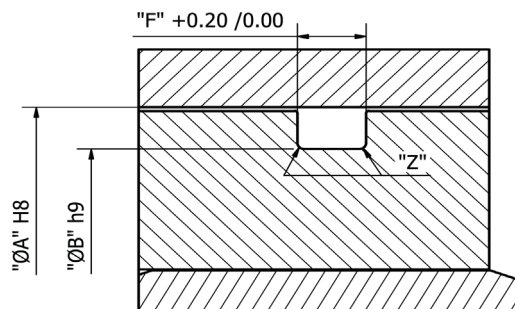
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
75.00	39.00	69.57	0.51	1.78	0.08	72.10	0.05	2.20	3.60	5.00	0.40	0.20	OME06957 0178 T571
	148.00	69.52	0.56	2.62	0.08	70.50	0.10	3.10	4.50	5.90	0.60	0.30	OME06952 0262 T571
	231.00	66.27	0.51	3.53	0.10	68.80	0.10	4.20	5.60	7.00	1.00	0.40	OME06627 0353 T571
	333.00	62.87	0.51	5.33	0.13	65.60	0.15	6.20	7.90	9.60	1.20	0.60	OME06287 0533 T571
78.00	40.00	72.75	0.51	1.78	0.08	75.10	0.05	2.20	3.60	5.00	0.40	0.20	OME07275 0178 T571
	150.00	72.69	0.56	2.62	0.08	73.50	0.10	3.10	4.50	5.90	0.60	0.30	OME07269 0262 T571
	232.00	69.44	0.61	3.53	0.10	71.80	0.10	4.20	5.60	7.00	1.00	0.40	OME06944 0353 T571
	334.00	66.04	0.51	5.33	0.13	68.60	0.15	6.20	7.90	9.60	1.20	0.60	OME06604 0533 T571
80.00	41.00	75.92	0.61	1.78	0.08	77.10	0.05	2.20	3.60	5.00	0.40	0.20	OME07592 0178 T571
	151.00	75.87	0.61	2.62	0.08	75.50	0.10	3.10	4.50	5.90	0.60	0.30	OME07587 0262 T571
	233.00	72.66	0.61	3.53	0.10	73.80	0.10	4.20	5.60	7.00	1.00	0.40	OME07266 0353 T571
	335.00	69.22	0.51	5.33	0.13	70.60	0.15	6.20	7.90	9.60	1.20	0.60	OME06922 0533 T571
83.00	234.00	75.79	0.61	3.53	0.10	76.80	0.10	4.20	5.60	7.00	1.00	0.40	OME07579 0353 T571
	336.00	72.39	0.51	5.33	0.13	73.60	0.15	6.20	7.90	9.60	1.20	0.60	OME07239 0533 T571
85.00	42.00	82.27	0.61	1.78	0.08	82.10	0.05	2.20	3.60	5.00	0.40	0.20	OME08227 0178 T571
	235.00	78.97	0.61	3.53	0.10	78.80	0.10	4.20	5.60	7.00	1.00	0.40	OME07897 0353 T571
	337.00	75.57	0.61	5.33	0.13	75.60	0.15	6.20	7.90	9.60	1.20	0.60	OME07557 0533 T571



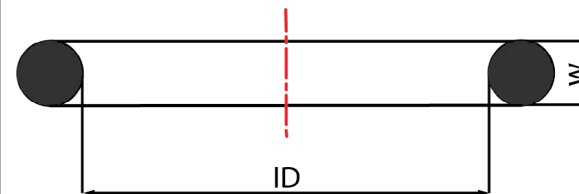
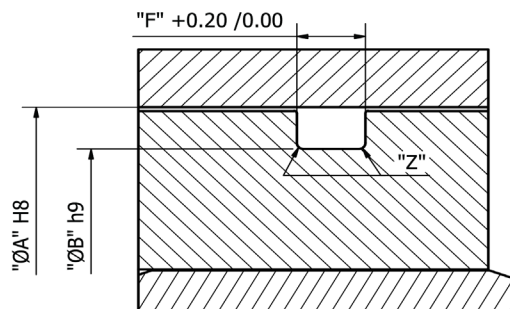
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
90.00	152.00	82.22	0.61	2.62	0.08	85.50	0.10	3.10	4.50	5.90	0.60	0.30	OME08222 0262 T571
	236.00	82.15	0.61	3.53	0.10	83.80	0.10	4.20	5.60	7.00	1.00	0.40	OME08215 0353 T571
	338.00	78.44	0.61	5.33	0.13	80.60	0.15	6.20	7.90	9.60	1.20	0.60	OME07844 0533 T571
92.00	43.00	88.62	0.61	1.78	0.08	89.10	0.05	2.20	3.60	5.00	0.40	0.20	OME08862 0178 T571
	237.00	85.32	0.61	3.53	0.10	85.80	0.10	4.20	5.60	7.00	1.00	0.40	OME08532 0353 T571
	339.00	81.92	0.61	5.33	0.13	82.60	0.15	6.20	7.90	9.60	1.20	0.60	OME08192 0533 T571
95.00	153.00	88.57	0.61	2.62	0.08	90.50	0.10	3.10	4.50	5.90	0.60	0.30	OME08857 0262 T571
	238.00	88.49	0.61	3.53	0.10	88.80	0.10	4.20	5.60	7.00	1.00	0.40	OME08849 0353 T571
	340.00	85.09	0.61	5.33	0.13	85.60	0.15	6.20	7.90	9.60	1.20	0.60	OME08509 0533 T571
98.00	44.00	94.97	0.69	2.62	0.08	95.10	0.05	2.20	3.60	5.00	0.40	0.20	OME09497 0262 T571
	239.00	91.67	0.71	3.53	0.10	91.80	0.10	4.20	5.60	7.00	1.00	0.40	OME09167 0353 T571
	341.00	88.27	0.61	5.33	0.13	88.60	0.15	6.20	7.90	9.60	1.20	0.60	OME08827 0533 T571
100.00	154.00	94.92	0.71	2.62	0.08	95.50	0.10	3.10	4.50	5.90	0.60	0.30	OME09492 0262 T571
	240.00	94.84	0.71	3.53	0.10	93.80	0.10	4.20	5.60	7.00	1.00	0.40	OME09484 0353 T571
	342.00	91.44	0.71	5.33	0.13	90.60	0.15	6.20	7.90	9.60	1.20	0.60	OME09144 0533 T571
105.00	45.00	101.32	0.69	1.78	0.08	102.10	0.05	2.20	3.60	5.00	0.40	0.20	OME10132 0178 T571
	155.00	101.27	0.71	2.62	0.08	100.50	0.10	3.10	4.50	5.90	0.60	0.30	OME10127 0262 T571
	241.00	98.02	0.71	3.53	0.10	98.80	0.10	4.20	5.60	7.00	1.00	0.40	OME09802 0353 T571
	343.00	94.62	0.71	5.33	0.13	95.60	0.15	6.20	7.90	9.60	1.20	0.60	OME09462 0533 T571



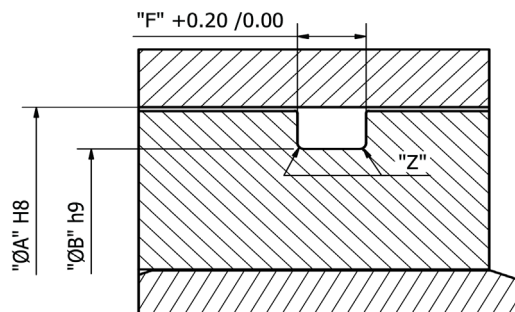
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
108.00	242.00	101.19	0.71	3.53	0.10	101.80	0.10	4.20	5.60	7.00	1.00	0.40	OME10119 0353 T571
	344.00	97.79	0.71	5.33	0.13	98.60	0.15	6.20	7.90	9.60	1.20	0.60	OME09779 0533 T571
110.00	46.00	107.67	0.76	1.78	0.08	107.10	0.05	2.20	3.60	5.00	0.40	0.20	OME10167 0178 T571
	243.00	104.37	0.71	3.53	0.10	103.80	0.10	4.20	5.60	7.00	1.00	0.40	OME10437 0353 T571
	345.00	100.97	0.71	5.33	0.13	100.60	0.15	6.20	7.90	9.60	1.20	0.60	OME10097 0533 T571
114.00	156.00	107.62	0.76	2.62	0.08	109.50	0.10	3.10	4.50	5.90	0.60	0.30	OME10762 0262 T571
	244.00	107.54	0.76	3.53	0.10	107.80	0.10	4.20	5.60	7.00	1.00	0.40	OME10754 0353 T571
	346.00	104.14	0.71	5.33	0.13	104.60	0.15	6.20	7.90	9.60	1.20	0.60	OME10414 0533 T571
115.00	156.00	107.62	0.76	2.62	0.08	110.50	0.10	3.10	4.50	5.90	0.60	0.30	OME10762 0262 T571
	244.00	107.54	0.76	3.53	0.10	108.80	0.10	4.20	5.60	7.00	1.00	0.40	OME10754 0353 T571
	346.00	104.14	0.71	5.33	0.13	105.60	0.15	6.20	7.90	9.60	1.20	0.60	OME10414 0533 T571
117.00	47.00	114.02	0.76	1.78	0.08	114.10	0.05	2.20	3.60	5.00	0.40	0.20	OME11402 0178 T571
	245.00	110.72	0.76	3.53	0.10	110.80	0.10	4.20	5.60	7.00	1.00	0.40	OME11072 0353 T571
	347.00	107.32	0.76	5.33	0.13	107.60	0.15	6.20	7.90	9.60	1.20	0.60	OME10732 0533 T571
118.00	47.00	114.02	0.76	1.78	0.08	115.10	0.05	2.20	3.60	5.00	0.40	0.20	OME11402 0178 T571
	245.00	110.72	0.76	3.53	0.10	111.80	0.10	4.20	5.60	7.00	1.00	0.40	OME11072 0353 T571
	347.00	107.32	0.76	5.33	0.13	108.60	0.15	6.20	7.90	9.60	1.20	0.60	OME10732 0533 T571
120.00	157.00	113.97	0.76	2.62	0.08	115.50	0.10	3.10	4.50	5.90	0.60	0.30	OME11397 0262 T571
	246.00	113.89	0.76	3.53	0.10	113.80	0.10	4.20	5.60	7.00	1.00	0.40	OME11389 0353 T571
	348.00	110.49	0.76	5.33	0.13	110.60	0.15	6.2	7.9	9.6	1.2	0.6	OME11049 0533 T571



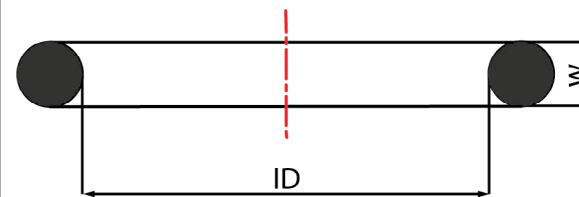
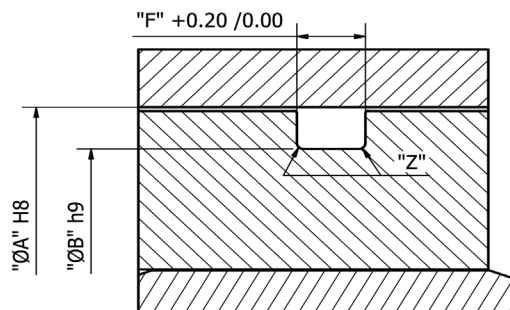
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
125.00	48.00	120.37	0.76	1.78	0.08	122.10	0.05	2.20	3.60	5.00	0.40	0.20	OME12037 0178 T571
	158.00	120.32	0.76	2.62	0.08	120.50	0.10	3.10	4.50	5.90	0.60	0.30	OME12032 0262 T571
	247.00	117.07	0.76	3.53	0.10	118.80	0.10	4.20	5.60	7.00	1.00	0.40	OME11707 0353 T571
	349.00	113.67	0.76	5.33	0.13	115.60	0.15	6.20	7.90	9.60	1.20	0.60	OME11367 0533 T571
128.00	248.00	120.24	0.76	3.53	0.10	121.80	0.10	4.20	5.60	7.00	1.00	0.40	OME12024 0353 T571
	350.00	116.84	0.76	5.33	0.13	118.60	0.15	6.20	7.90	9.60	1.20	0.60	OME11684 0533 T571
	425.00	113.67	0.84	7.00	0.15	115.80	0.15	8.20	10.70	13.20	1.50	0.60	OME11367 0700 T571
130.00	49.00	126.72	0.94	1.78	0.08	127.10	0.05	2.20	3.60	5.00	0.40	0.20	OME12672 0178 T571
	249.00	123.42	0.89	3.53	0.10	123.80	0.10	4.20	5.60	7.00	1.00	0.40	OME12342 0353 T571
	351.00	120.02	0.76	5.33	0.13	120.60	0.15	6.20	7.90	9.60	1.20	0.60	OME12002 0533 T571
	426.00	116.84	0.84	7.00	0.15	117.80	0.15	8.20	10.70	13.20	1.50	0.60	OME11684 0700 T571
135.00	159.00	126.67	0.89	2.62	0.08	130.50	0.10	3.10	4.50	5.90	0.60	0.30	OME12667 0262 T571
	250.00	126.59	0.89	3.53	0.10	128.80	0.10	4.20	5.60	7.00	1.00	0.40	OME12659 0353 T571
	352.00	123.19	0.76	5.33	0.13	125.60	0.15	6.20	7.90	9.60	1.20	0.60	OME12319 0533 T571
	427.00	120.02	0.84	7.00	0.15	122.80	0.15	8.20	10.70	13.20	1.50	0.60	OME12002 0700 T571
137.00	50.00	133.07	0.94	1.78	0.08	134.10	0.05	2.20	3.60	5.00	0.40	0.20	OME13307 0178 T571
	251.00	129.77	0.89	3.53	0.10	130.80	0.10	4.20	5.60	7.00	1.00	0.40	OME12977 0353 T571
	353.00	126.37	0.76	5.33	0.13	127.60	0.15	6.20	7.90	9.60	1.20	0.60	OME12637 0533 T571
	428.00	123.19	0.84	7.00	0.15	124.80	0.15	8.20	10.70	13.20	1.50	0.60	OME12319 0700 T571



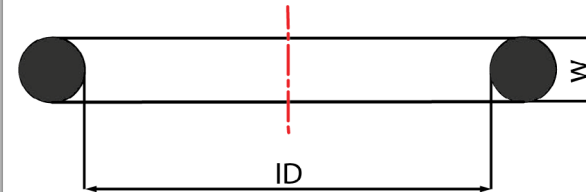
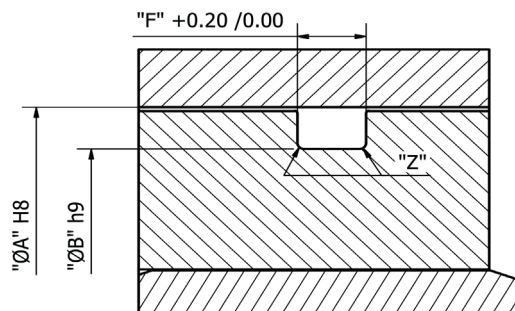
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
140.00	160.00	133.02	0.89	2.62	0.08	135.50	0.10	3.10	4.50	5.90	0.60	0.30	OME13302 0262 T571
	252.00	132.94	0.89	3.53	0.10	133.80	0.10	4.20	5.60	7.00	1.00	0.40	OME13294 0353 T571
	354.00	129.54	0.90	5.33	0.13	130.60	0.15	6.20	7.90	9.60	1.20	0.60	OME12954 0533 T571
	429.00	126.37	0.94	7.00	0.15	127.80	0.15	8.20	10.70	13.20	1.50	0.60	OME12637 0700 T571
143.00	253.00	136.12	0.89	3.53	0.10	136.80	0.10	4.20	5.60	7.00	1.00	0.40	OME13612 0353 T571
	355.00	132.72	0.90	5.33	0.13	133.60	0.15	6.20	7.90	9.60	1.20	0.60	OME13272 0533 T571
	430.00	129.54	0.94	7.00	0.15	130.80	0.15	8.20	10.70	13.20	1.50	0.60	OME12954 0700 T571
145.00	161.00	139.37	0.89	2.62	0.08	140.50	0.10	3.10	4.50	5.90	0.60	0.30	OME13937 0262 T571
	254.00	139.29	0.89	3.53	0.10	138.80	0.10	4.20	5.60	7.00	1.00	0.40	OME13929 0353 T571
	356.00	135.89	0.90	5.33	0.13	135.60	0.15	6.20	7.90	9.60	1.20	0.60	OME13589 0533 T571
	431.00	132.72	0.94	7.00	0.15	132.80	0.15	8.20	10.70	13.20	1.50	0.60	OME13272 0700 T571
150.00	162.00	145.72	0.89	2.62	0.08	145.50	0.10	3.10	4.50	5.90	0.60	0.30	OME14572 0262 T571
	255.00	142.47	0.89	3.53	0.10	143.80	0.10	4.20	5.60	7.00	1.00	0.40	OME14247 0353 T571
	357.00	139.07	0.90	5.33	0.13	140.60	0.15	6.20	7.90	9.60	1.20	0.60	OME13907 0533 T571
	432.00	135.89	0.94	7.00	0.15	137.80	0.15	8.20	10.70	13.20	1.50	0.60	OME13589 0700 T571
152.00	256.00	145.64	0.89	3.53	0.10	145.80	0.10	4.20	5.60	7.00	1.00	0.40	OME14564 0353 T571
	358.00	142.24	0.90	5.33	0.13	142.60	0.15	6.20	7.90	9.60	1.20	0.60	OME14224 0533 T571
	433.00	139.07	0.94	7.00	0.15	139.80	0.15	8.20	10.70	13.20	1.50	0.60	OME13907 0700 T571



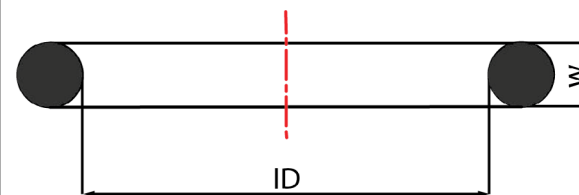
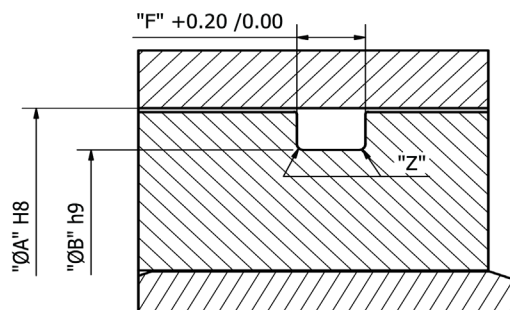
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
155.00	257.00	148.82	0.89	3.53	0.10	148.80	0.10	4.20	5.60	7.00	1.00	0.40	OME14882 0353 T571
	359.00	145.42	0.90	5.33	0.13	145.60	0.15	6.20	7.90	9.60	1.20	0.60	OME14542 0533 T571
	434.00	142.24	0.94	7.00	0.15	142.80	0.15	8.20	10.70	13.20	1.50	0.60	OME14224 0700 T571
160.00	163.00	152.07	0.89	2.62	0.08	155.50	0.10	3.10	4.50	5.90	0.60	0.30	OME15207 0262 T571
	258.00	151.99	0.89	3.53	0.10	153.80	0.10	4.20	5.60	7.00	1.00	0.40	OME15199 0353 T571
	360.00	148.49	0.90	5.33	0.13	150.60	0.15	6.20	7.90	9.60	1.20	0.60	OME14849 0533 T571
	435.00	145.42	0.94	7.00	0.15	147.80	0.15	8.20	10.70	13.20	1.50	0.60	OME14542 0700 T571
162.00	361.00	151.77	0.90	5.33	0.13	152.60	0.15	6.20	7.90	9.60	1.20	0.60	OME15177 0533 T571
	436.00	148.59	0.94	7.00	0.15	149.80	0.15	8.20	10.70	13.20	1.50	0.60	OME14859 0700 T571
165.00	164.00	158.42	1.02	2.62	0.08	160.50	0.10	3.10	4.50	5.90	0.60	0.30	OME15842 0262 T571
	259.00	158.34	1.02	3.53	0.10	158.80	0.10	4.20	5.60	7.00	1.00	0.40	OME15834 0353 T571
	437.00	151.77	0.94	7.00	0.15	152.80	0.15	8.20	10.70	13.20	1.50	0.60	OME15177 0700 T571
170.00	165.00	164.77	1.02	2.62	0.08	165.50	0.10	3.10	4.50	5.90	0.60	0.30	OME16477 0262 T571
	259.00	158.34	1.02	3.53	0.10	163.80	0.10	4.20	5.60	7.00	1.00	0.40	OME15834 0353 T571
	362.00	158.12	0.90	5.33	0.13	160.60	0.15	6.20	7.90	9.60	1.20	0.60	OME15812 0533 T571
	438.00	158.12	1.02	7.00	0.15	157.80	0.15	8.20	10.70	13.20	1.50	0.60	OME15812 0700 T571



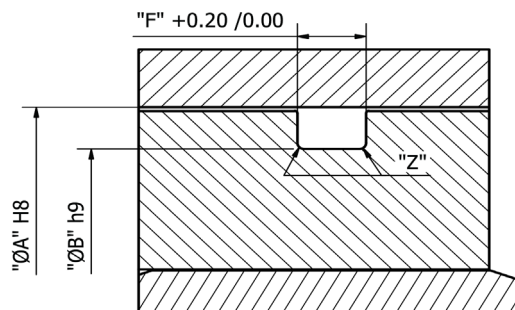
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
175.00	166.00	171.11	1.02	2.62	0.08	170.50	0.10	3.10	4.50	5.90	0.60	0.30	OME17111 0262 T571
	260.00	164.70	1.02	3.53	0.10	168.80	0.10	4.20	5.60	7.00	1.00	0.40	OME16470 0353 T571
	363.00	164.47	0.90	5.33	0.13	165.60	0.15	6.20	7.90	9.60	1.20	0.60	OME16447 0533 T571
	438.00	158.10	1.02	7.00	0.15	162.80	0.15	8.20	10.70	13.20	1.50	0.60	OME15810 0700 T571
180.00	166.00	171.12	1.02	2.62	0.08	175.50	0.10	3.10	4.50	5.90	0.60	0.30	OME17112 0262 T571
	261.00	171.05	1.02	3.53	0.10	173.80	0.10	4.20	5.60	7.00	1.00	0.40	OME17105 0353 T571
	364.00	170.81	0.90	5.33	0.13	170.60	0.15	6.20	7.90	9.60	1.20	0.60	OME17081 0533 T571
	439.00	164.46	1.02	7.00	0.15	167.80	0.15	8.20	10.70	13.20	1.50	0.60	OME16446 0700 T571
185.00	167.00	177.47	1.02	2.62	0.08	180.50	0.10	3.10	4.50	5.90	0.60	0.30	OME17747 0262 T571
	262.00	177.39	1.02	3.53	0.10	178.80	0.10	4.20	5.60	7.00	1.00	0.40	OME17739 0353 T571
	364.00	170.82	0.90	5.33	0.13	175.60	0.15	6.20	7.90	9.60	1.20	0.60	OME17082 0533 T571
	440.00	170.82	1.02	7.00	0.15	172.80	0.15	8.20	10.70	13.20	1.50	0.60	OME17082 0700 T571
190.00	168.00	183.82	1.14	2.62	0.08	185.50	0.10	3.10	4.50	5.90	0.60	0.30	OME18382 0262 T571
	263.00	183.74	1.14	3.53	0.10	183.80	0.10	4.20	5.60	7.00	1.00	0.40	OME18374 0353 T571
	365.00	177.17	0.90	5.33	0.13	180.60	0.15	6.20	7.90	9.60	1.20	0.60	OME17717 0533 T571
	441.00	177.17	1.02	7.00	0.15	177.80	0.15	8.20	10.70	13.20	1.50	0.60	OME17717 0700 T571



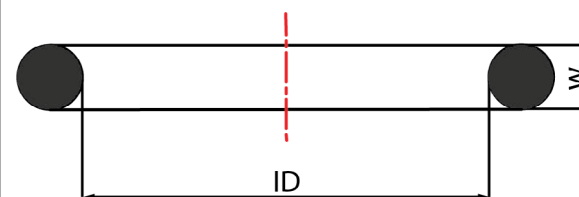
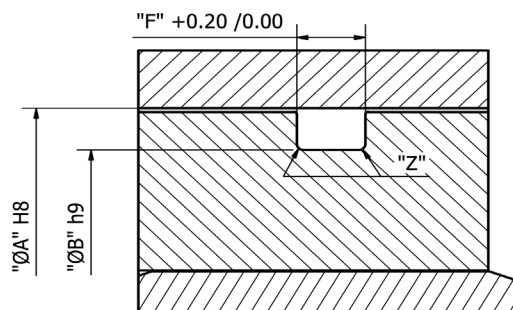
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
195.00	169.00	190.17	1.14	2.62	0.08	190.50	0.10	3.10	4.50	5.90	0.60	0.30	OME19017 0262 T571
	263.00	183.74	1.14	3.53	0.10	188.80	0.10	4.20	5.60	7.00	1.00	0.40	OME18374 0353 T571
	366.00	183.52	1.25	5.33	0.13	185.60	0.15	6.20	7.90	9.60	1.20	0.60	OME18352 0533 T571
	441.00	177.17	1.02	7.00	0.15	182.80	0.15	8.20	10.70	13.20	1.50	0.60	OME17717 0700 T571
200.00	169.00	190.17	1.14	2.62	0.08	195.50	0.10	3.10	4.50	5.90	0.60	0.30	OME19017 0262 T571
	264.00	190.09	1.14	3.53	0.10	193.80	0.10	4.20	5.60	7.00	1.00	0.40	OME09009 0353 T571
	367.00	189.87	1.25	5.33	0.13	190.60	0.15	6.20	7.90	9.60	1.20	0.60	OME18987 0533 T571
	442.00	183.52	1.14	7.00	0.15	187.80	0.15	8.20	10.70	13.20	1.50	0.60	OME18352 0700 T571
205.00	170.00	196.52	1.14	2.62	0.08	200.50	0.10	3.10	4.50	5.90	0.60	0.30	OME19652 0262 T571
	265.00	196.44	1.14	3.53	0.10	198.80	0.10	4.20	5.60	7.00	1.00	0.40	OME19644 0353 T571
	367.00	189.87	1.25	5.33	0.13	195.60	0.15	6.20	7.90	9.60	1.20	0.60	OME18987 0533 T571
	443.00	189.87	1.14	7.00	0.15	192.80	0.15	8.20	10.70	13.20	1.50	0.60	OME18987 0700 T571
210.00	171.00	202.87	1.14	2.62	0.08	205.50	0.10	3.10	4.50	5.90	0.60	0.30	OME20287 0262 T571
	266.00	202.79	1.14	3.53	0.10	203.80	0.10	4.20	5.60	7.00	1.00	0.40	OME20279 0353 T571
	368.00	196.22	1.25	5.33	0.13	200.60	0.15	6.20	7.90	9.60	1.20	0.60	OME19622 0533 T571
	444.00	196.22	1.14	7.00	0.15	197.80	0.15	8.20	10.70	13.20	1.50	0.60	OME19622 0700 T571
215.00	172.00	209.22	1.27	2.62	0.08	210.50	0.10	3.10	4.50	5.90	0.60	0.30	OME20922 0262 T571
	266.00	202.87	1.14	3.53	0.10	208.80	0.10	4.20	5.60	7.00	1.00	0.40	OME20287 0353 T571
	369.00	202.57	1.25	5.33	0.13	205.60	0.15	6.20	7.90	9.60	1.20	0.60	OME20257 0533 T571
	445.00	202.57	1.14	7.00	0.15	203.80	0.15	8.2	10.7	13.2	1.5	0.6	OME20257 0700 T571



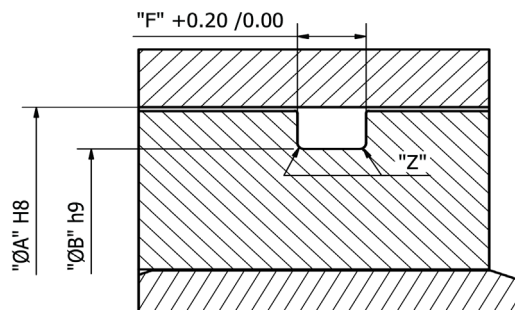
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
220.00	173.00	215.57	1.27	2.62	0.08	215.50	0.10	3.10	4.50	5.90	0.60	0.30	OME21557 0262 T571
	267.00	209.14	1.27	3.53	0.10	213.80	0.10	4.20	5.60	7.00	1.00	0.40	OME20914 0353 T571
	370.00	208.92	1.25	5.33	0.13	210.60	0.15	6.20	7.90	9.60	1.20	0.60	OME20892 0533 T571
	445.00	202.57	1.14	7.00	0.15	207.80	0.15	8.20	10.70	13.20	1.50	0.60	OME20257 0700 T571
225.00	173.00	215.57	1.27	2.62	0.08	220.50	0.10	3.10	4.50	5.90	0.60	0.30	OME21557 0262 T571
	268.00	215.49	1.27	3.53	0.10	218.80	0.10	4.20	5.60	7.00	1.00	0.40	OME21549 0353 T571
	371.00	215.27	1.25	5.33	0.13	215.60	0.15	6.20	7.90	9.60	1.20	0.60	OME21527 0533 T571
	445.00	202.57	1.40	7.00	0.15	212.80	0.15	8.20	10.70	13.20	1.50	0.60	OME20257 0700 T571
230.00	174.00	221.92	1.27	2.62	0.08	225.50	0.10	3.10	4.50	5.90	0.60	0.30	OME22192 0262 T571
	269.00	221.84	1.27	3.53	0.10	223.80	0.10	4.20	5.60	7.00	1.00	0.40	OME22184 0353 T571
	371.00	215.27	1.25	5.33	0.13	220.60	0.15	6.20	7.90	9.60	1.20	0.60	OME21527 0533 T571
	446.00	215.27	1.40	7.00	0.15	217.80	0.15	8.20	10.70	13.20	1.50	0.60	OME21527 0700 T571
235.00	175.00	228.27	1.27	2.62	0.08	230.50	0.10	3.10	4.50	5.90	0.60	0.30	OME22127 0262 T571
	270.00	228.19	1.27	3.53	0.10	228.80	0.10	4.20	5.60	7.00	1.00	0.40	OME22819 0353 T571
	372.00	221.62	1.25	5.33	0.13	225.60	0.15	6.20	7.90	9.60	1.20	0.60	OME22162 0533 T571
	446.00	215.27	1.40	7.00	0.15	222.80	0.15	8.20	10.70	13.20	1.50	0.60	OME21527 0700 T571
240.00	176.00	234.62	1.40	2.62	0.08	235.50	0.10	3.10	4.50	5.90	0.60	0.30	OME23462 0262 T571
	270.00	228.19	1.27	3.53	0.10	233.80	0.10	4.20	5.60	7.00	1.00	0.40	OME22819 0353 T571
	373.00	227.97	1.25	5.33	0.13	230.60	0.15	6.20	7.90	9.60	1.20	0.60	OME22797 0533 T571
	447.00	227.97	1.40	7.00	0.15	227.80	0.15	8.2	10.7	13.2	1.5	0.6	OME22797 0700 T571



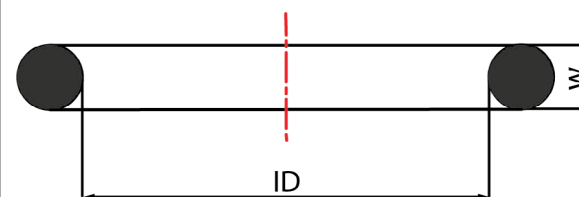
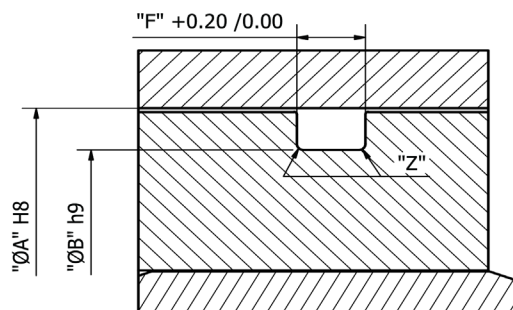
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
245.00	176.00	234.62	1.40	2.62	0.08	240.50	0.10	3.10	4.50	5.90	0.60	0.30	OME23462 0262 T571
	271.00	234.54	1.40	3.53	0.10	238.80	0.10	4.20	5.60	7.00	1.00	0.40	OME23454 0353 T571
	374.00	234.32	1.25	5.33	0.13	235.60	0.15	6.20	7.90	9.60	1.20	0.60	OME23432 0533 T571
	447.00	227.97	1.40	7.00	0.15	232.80	0.15	8.20	10.70	13.20	1.50	0.60	OME22797 0700 T571
250.00	177.00	240.97	1.40	2.62	0.08	245.50	0.10	3.10	4.50	5.90	0.60	0.30	OME24097 0262 T571
	272.00	240.89	1.40	3.53	0.10	243.80	0.10	4.20	5.60	7.00	1.00	0.40	OME24089 0353 T571
	375.00	240.67	1.25	5.33	0.13	240.60	0.15	6.20	7.90	9.60	1.20	0.60	OME24067 0533 T571
	447.00	227.97	1.40	7.00	0.15	237.80	0.15	8.20	10.70	13.20	1.50	0.60	OME22797 0700 T571
260.00	178.00	247.32	1.40	2.62	0.08	255.50	0.10	3.10	4.50	5.90	0.60	0.30	OME24732 0262 T571
	273.00	247.25	1.40	3.53	0.10	253.80	0.10	4.20	5.60	7.00	1.00	0.40	OME24725 0353 T571
	376.00	247.02	1.25	5.33	0.13	250.60	0.15	6.20	7.90	9.60	1.20	0.60	OME24702 0533 T571
	448.00	240.70	1.40	7.00	0.15	247.80	0.15	8.20	10.70	13.20	1.50	0.60	OME24070 0700 T571
270.00	274.00	253.60	1.40	3.53	0.10	263.80	0.10	4.20	5.60	7.00	1.00	0.40	OME25360 0353 T571
	377.00	253.37	1.25	5.33	0.13	260.60	0.15	6.20	7.90	9.60	1.20	0.60	OME25337 0533 T571
	449.00	253.40	1.40	7.00	0.15	257.80	0.15	8.20	10.70	13.20	1.50	0.60	OME25340 0700 T571
280.00	275.00	266.29	1.40	3.53	0.10	273.80	0.10	4.20	5.60	7.00	1.00	0.40	OME26629 0353 T571
	378.00	266.07	1.25	5.33	0.13	270.60	0.15	6.20	7.90	9.60	1.20	0.60	OME26607 0533 T571
	450.00	266.10	1.52	7.00	0.15	267.80	0.15	8.20	10.70	13.20	1.50	0.60	OME26610 0700 T571



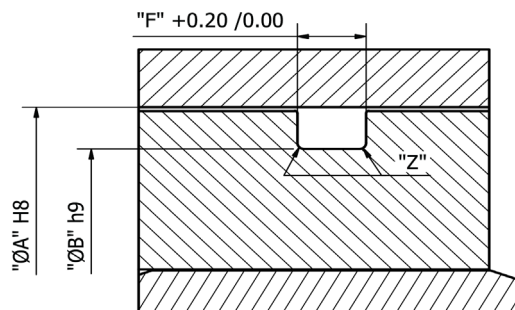
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
290.00	276.00	278.99	1.65	3.53	0.10	283.80	0.10	4.20	5.60	7.00	1.00	0.40	OME27899 0353 T571
	379.00	278.77	1.25	5.33	0.13	280.60	0.15	6.20	7.90	9.60	1.20	0.60	OME27877 0533 T571
	450.00	266.10	1.52	7.00	0.15	277.80	0.15	8.20	10.70	13.20	1.50	0.60	OME26610 0700 T571
300.00	277.00	291.69	1.65	3.53	0.10	293.80	0.10	4.20	5.60	7.00	1.00	0.40	OME29169 0353 T571
	379.00	278.77	1.25	5.33	0.13	290.60	0.15	6.20	7.90	9.60	1.20	0.60	OME27877 0533 T571
	451.00	278.77	1.52	7.00	0.15	287.80	0.15	8.20	10.70	13.20	1.50	0.60	OME27877 0700 T571
310.00	277.00	291.69	1.65	3.53	0.10	303.80	0.10	4.20	5.60	7.00	1.00	0.40	OME29169 0353 T571
	380.00	291.47	1.25	5.33	0.13	300.60	0.15	6.20	7.90	9.60	1.20	0.60	OME29147 0533 T571
	452.00	291.47	1.52	7.00	0.15	297.80	0.15	8.20	10.70	13.20	1.50	0.60	OME29147 0700 T571
320.00	278.00	304.39	1.65	3.53	0.10	313.80	0.10	4.20	5.60	7.00	1.00	0.40	OME30437 0353 T571
	381.00	304.17	1.25	5.33	0.13	310.60	0.15	6.20	7.90	9.60	1.20	0.60	OME30417 0533 T571
	453.00	304.20	1.52	7.00	0.15	307.80	0.15	8.20	10.70	13.20	1.50	0.60	OME30420 0700 T571
330.00	278.00	304.39	1.65	3.53	0.10	323.80	0.10	4.20	5.60	7.00	1.00	0.40	OME30439 0353 T571
	381.00	304.17	1.25	5.33	0.13	320.60	0.15	6.20	7.90	9.60	1.20	0.60	OME30417 0533 T571
	454.00	316.90	1.52	7.00	0.15	317.80	0.15	8.20	10.70	13.20	1.50	0.60	OME31690 0700 T571
340.00	279.00	329.79	1.65	3.53	0.10	333.80	0.10	4.20	5.60	7.00	1.00	0.40	OME32979 0353 T571
	382.00	329.57	1.25	5.33	0.13	330.60	0.15	6.20	7.90	9.60	1.20	0.60	OME32957 0533 T571
	454.00	316.90	1.52	7.00	0.15	327.80	0.15	8.20	10.70	13.20	1.50	0.60	OME31690 0700 T571



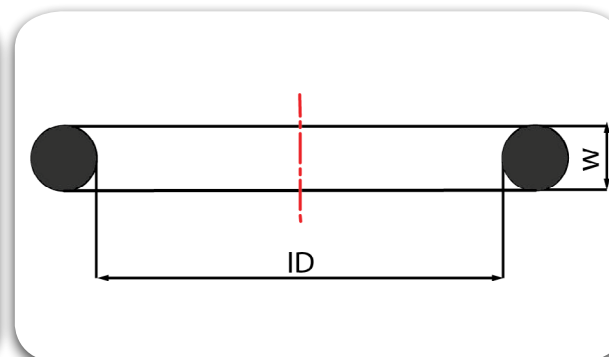
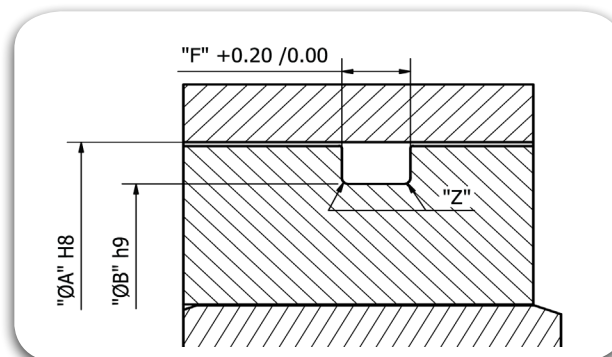
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
350.00	279.00	329.79	1.65	3.53	0.10	343.80	0.10	4.20	5.60	7.00	1.00	0.40	OME32979 0353 T571
	382.00	329.57	1.25	5.33	0.13	340.60	0.15	6.20	7.90	9.60	1.20	0.60	OME32957 0533 T571
	455.00	329.60	1.52	7.00	0.15	337.80	0.15	8.20	10.70	13.20	1.50	0.60	OME32960 0700 T571
360.00	280.00	355.19	1.65	3.53	0.10	353.80	0.10	4.20	5.60	7.00	1.00	0.40	OME35519 0353 T571
	382.00	329.57	1.25	5.33	0.13	350.60	0.15	6.20	7.90	9.60	1.20	0.60	OME32957 0533 T571
	456.00	342.30	1.78	7.00	0.15	347.80	0.15	8.20	10.70	13.20	1.50	0.60	OME34230 0700 T571
370.00	280.00	355.19	1.65	3.53	0.10	363.80	0.10	4.20	5.60	7.00	1.00	0.40	OME35519 0353 T571
	383.00	354.97	1.25	5.33	0.13	360.60	0.15	6.20	7.90	9.60	1.20	0.60	OME35497 0533 T571
	457.00	355.00	1.78	7.00	0.15	357.80	0.15	8.20	10.70	13.20	1.50	0.60	OME35500 0700 T571
380.00	280.00	355.19	1.65	3.53	0.10	373.80	0.10	4.20	5.60	7.00	1.00	0.40	OME35519 0353 T571
	383.00	354.97	1.25	5.33	0.13	370.60	0.15	6.20	7.90	9.60	1.20	0.60	OME35497 0533 T571
	458.00	367.70	1.78	7.00	0.15	367.80	0.15	8.20	10.70	13.20	1.50	0.60	OME36770 0700 T571
390.00	281.00	380.59	1.65	3.53	0.10	383.80	0.10	4.20	5.60	7.00	1.00	0.40	OME38059 0353 T571
	384.00	380.37	1.25	5.33	0.13	380.60	0.15	6.20	7.90	9.60	1.20	0.60	OME38037 0533 T571
	458.00	367.67	1.78	7.00	0.15	377.80	0.15	8.20	10.70	13.20	1.50	0.60	OME36767 0700 T571
400.00	281.00	380.59	1.65	3.53	0.10	393.80	0.10	4.20	5.60	7.00	1.00	0.40	OME38059 0353 T571
	384.00	380.37	1.25	5.33	0.13	390.60	0.15	6.20	7.90	9.60	1.20	0.60	OME38037 0533 T571
	459.00	380.37	1.78	7.00	0.15	387.80	0.15	8.20	10.70	13.20	1.50	0.60	OME38037 0700 T571



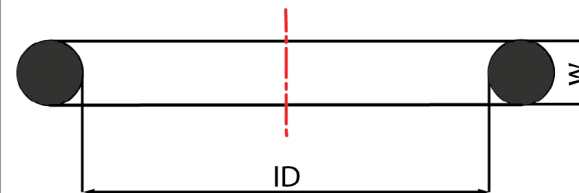
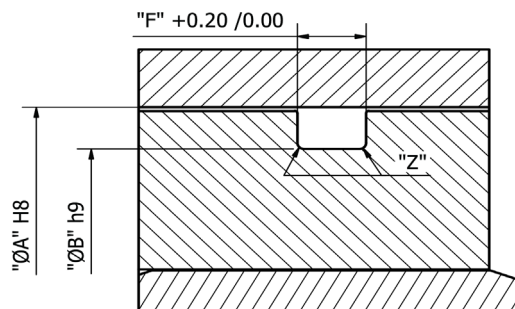
Bore $\varnothing$ "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. $\varnothing B$		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol $\pm$ mm	W mm	Tol $\pm$ mm	B mm	Tol $\pm$ mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
410.00	282.00	405.26	2.15	3.53	0.10	403.80	0.10	4.20	5.60	7.00	1.00	0.40	OME40526 0353 T571
	384.00	380.37	1.25	5.33	0.13	400.60	0.15	6.20	7.90	9.60	1.20	0.60	OME38037 0533 T571
	460.00	393.07	1.78	7.00	0.15	397.80	0.15	8.20	10.70	13.20	1.50	0.60	OME39307 0700 T571
420.00	282.00	405.26	2.15	3.53	0.10	413.80	0.10	4.20	5.60	7.00	1.00	0.40	OME40526 0353 T571
	385.00	405.26	1.90	5.33	0.13	410.60	0.15	6.20	7.90	9.60	1.20	0.60	OME40526 0533 T571
	461.00	405.26	2.00	7.00	0.15	407.80	0.15	8.20	10.70	13.20	1.50	0.60	OME40526 0700 T571
430.00	282.00	405.26	2.15	3.53	0.10	423.80	0.10	4.20	5.60	7.00	1.00	0.40	OME40526 0353 T571
	385.00	405.26	1.90	5.33	0.13	420.60	0.15	6.20	7.90	9.60	1.20	0.60	OME40526 0533 T571
	462.00	417.96	2.00	7.00	0.15	417.80	0.15	8.20	10.70	13.20	1.50	0.60	OME41796 0700 T571
440.00	283.00	430.66	2.15	3.53	0.10	433.80	0.10	4.20	5.60	7.00	1.00	0.40	OME43066 0353 T571
	386.00	430.65	1.90	5.33	0.13	430.60	0.15	6.20	7.90	9.60	1.20	0.60	OME43065 0533 T571
	462.00	417.96	2.00	7.00	0.15	427.80	0.15	8.20	10.70	13.20	1.50	0.60	OME41796 0700 T571
450.00	283.00	430.66	2.15	3.53	0.10	443.80	0.10	4.20	5.60	7.00	1.00	0.40	OME43066 0353 T571
	386.00	430.65	1.90	5.33	0.13	440.60	0.15	6.20	7.90	9.60	1.20	0.60	OME43065 0533 T571
	463.00	430.65	2.00	7.00	0.15	437.80	0.15	8.20	10.70	13.20	1.50	0.60	OME43065 0700 T571
460.00	283.00	430.66	2.15	3.53	0.10	453.80	0.10	4.20	5.60	7.00	1.00	0.40	OME43066 0353 T571
	386.00	430.65	1.90	5.33	0.13	450.60	0.15	6.20	7.90	9.60	1.20	0.60	OME43065 0533 T571
	464.00	443.36	2.00	7.00	0.15	447.80	0.15	8.20	10.70	13.20	1.50	0.60	OME44336 0700 T571



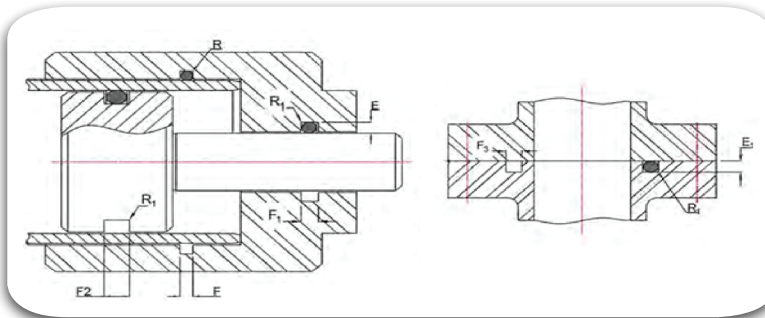
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D.		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
470.00	284.00	456.06	2.15	3.53	0.10	463.80	0.10	4.20	5.60	7.00	1.00	0.40	OME45606 0353 T571
	387.00	456.06	1.90	5.33	0.13	460.60	0.15	6.20	7.90	9.60	1.20	0.60	OME45606 0533 T571
	465.00	456.06	2.00	7.00	0.15	457.80	0.15	8.20	10.70	13.20	1.50	0.60	OME45606 0700 T571
480.00	284.00	456.06	2.15	3.53	0.10	473.80	0.10	4.20	5.60	7.00	1.00	0.40	OME45606 0353 T571
	387.00	456.06	1.90	5.33	0.13	470.60	0.15	6.20	7.90	9.60	1.20	0.60	OME45606 0533 T571
	465.00	456.06	2.00	7.00	0.15	467.80	0.15	8.20	10.70	13.20	1.50	0.60	OME45606 0700 T571
490.00	387.00	456.06	1.90	5.33	0.13	480.60	0.15	6.20	7.90	9.60	1.20	0.60	OME45606 0533 T571
	466.00	468.76	2.00	7.00	0.15	477.80	0.15	8.20	10.70	13.20	1.50	0.60	OME46876 0700 T571
500.00	388.00	481.38	1.90	5.33	0.13	490.60	0.15	6.20	7.90	9.60	1.20	0.60	OME48138 0533 T571
	467.00	481.46	2.00	7.00	0.15	487.80	0.15	8.20	10.70	13.20	1.50	0.60	OME48146 0700 T571
510.00	389.00	481.38	1.90	5.33	0.13	500.60	0.15	6.20	7.90	9.60	1.20	0.60	OME48138 0533 T571
	469.00	494.16	2.00	7.00	0.15	497.80	0.15	8.20	10.70	13.20	1.50	0.60	OME49416 0700 T571
520.00	389.00	506.78	1.90	5.33	0.13	510.60	0.15	6.20	7.90	9.60	1.20	0.60	OME50678 0533 T571
	469.00	506.86	2.00	7.00	0.15	507.80	0.15	8.20	10.70	13.20	1.50	0.60	OME50686 0700 T571
530.00	389.00	506.78	1.90	5.33	0.13	520.60	0.15	6.20	7.90	9.60	1.20	0.60	OME50678 0533 T571
	469.00	506.86	2.00	7.00	0.15	517.80	0.15	8.20	10.70	13.20	1.50	0.60	OME50686 0700 T571
540.00	390.00	532.18	1.90	5.33	0.13	530.60	0.15	6.20	7.90	9.60	1.20	0.60	OME53218 0533 T571
	469.00	506.86	2.00	7.00	0.15	527.80	0.15	8.20	10.70	13.20	1.50	0.60	OME50686 0700 T571



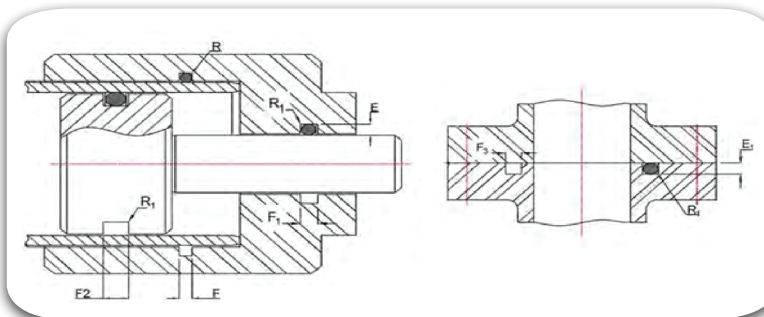
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
550.00	390.00	532.18	1.90	5.33	0.13	540.60	0.15	6.20	7.90	9.60	1.20	0.60	OME53218 0533 T571
	470.00	532.26	2.00	7.00	0.15	537.80	0.15	8.20	10.70	13.20	1.50	0.60	OME53226 0700 T571
560.00	390.00	532.18	1.90	5.33	0.13	550.60	0.15	6.20	7.90	9.60	1.20	0.60	OME53218 0533 T571
	ASA 100	545.47	2.55	7.00	0.15	547.80	0.15	8.20	10.70	13.20	1.50	0.60	OME54547 0700 T571
570.00	391.00	557.58	1.90	5.33	0.13	560.60	0.15	6.20	7.90	9.60	1.20	0.60	OME55758 0533 T571
	471.00	557.66	2.00	7.00	0.15	557.80	0.15	8.20	10.70	13.20	1.50	0.60	OME55766 0700 T571
580.00	391.00	557.58	1.90	5.33	0.13	570.60	0.15	6.20	7.90	9.60	1.20	0.60	OME55758 0533 T571
	471.00	557.66	2.00	7.00	0.15	567.80	0.15	8.20	10.70	13.20	1.50	0.60	OME55766 0700 T571
590.00	391.00	557.58	1.90	5.33	0.13	580.60	0.15	6.20	7.90	9.60	1.20	0.60	OME55758 0533 T571
	471.00	557.66	2.00	7.00	0.15	577.80	0.15	8.20	10.70	13.20	1.50	0.60	OME55766 0700 T571
600.00	392.00	582.68	2.40	5.33	0.13	590.60	0.15	6.20	7.90	9.60	1.20	0.60	OME58268 0533 T571
	472.00	582.68	2.40	7.00	0.15	587.80	0.15	8.20	10.70	13.20	1.50	0.60	OME58268 0700 T571
610.00	392.00	582.68	2.40	5.33	0.13	600.60	0.15	6.20	7.90	9.60	1.20	0.60	OME58268 0533 T571
	ASA 104	596.27	2.80	7.00	0.15	597.80	0.15	8.20	10.70	13.20	1.50	0.60	OME59627 0700 T571
620.00	393.00	608.08	2.40	5.33	0.13	610.60	0.15	6.20	7.90	9.60	1.20	0.60	OME60808 0533 T571
	ASA 104	596.27	2.80	7.00	0.15	607.80	0.15	8.20	10.70	13.20	1.50	0.60	OME59627 0700 T571
630.00	393.00	608.08	2.40	5.33	0.13	620.60	0.15	6.20	7.90	9.60	1.20	0.60	OME60808 0533 T571
	473.00	608.08	2.40	7.00	0.15	617.80	0.15	8.20	10.70	13.20	1.50	0.60	OME60808 0700 T571



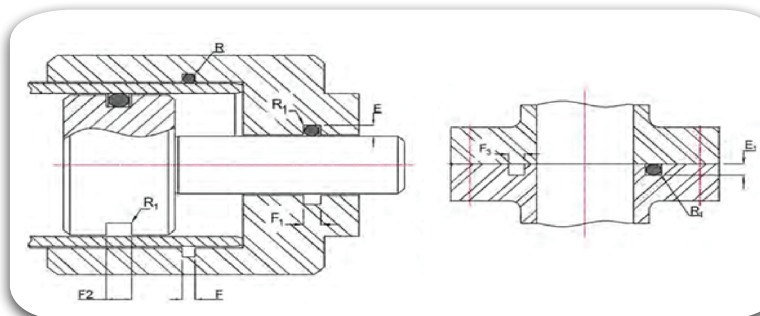
Bore Ø "A" mm	O-Ring Dimensions					Groove Dimensions					Radius		TRIADA® Part Number
	Part No.	Inner Dia. I.D		Width "W"		Groove Dia. ØB		Groove Width without back- up ring	Groove Width with 1 back- up ring	Groove Width with 2 back-up ring	Without back-up ring	With back-up ring	
		I.D mm	Tol ±mm	W mm	Tol ±mm	B mm	Tol ±mm	"F" mm	"F" mm	"F" mm	"Z" mm	"Z" mm	
640.00	393.00	608.08	2.40	5.33	0.13	630.60	0.15	6.20	7.90	9.60	1.20	0.60	OME60808 0533 T571
	473.00	608.08	2.40	7.00	0.15	627.80	0.15	8.20	10.70	13.20	1.50	0.60	OME60808 0700 T571
650.00	394.00	633.48	2.40	5.33	0.13	640.60	0.15	6.20	7.90	9.60	1.20	0.60	OME63348 0533 T571
	474.00	633.48	2.40	7.00	0.15	637.80	0.15	8.20	10.70	13.20	1.50	0.60	OME63348 0700 T571
660.00	394.00	633.48	2.40	5.33	0.13	650.60	0.15	6.20	7.90	9.60	1.20	0.60	OME63348 0533 T571
	ASA 108	647.07	3.05	7.00	0.15	647.80	0.15	8.20	10.70	13.20	1.50	0.60	OME64707 0700 T571
670.00	395.00	658.88	2.40	5.33	0.13	660.60	0.15	6.20	7.90	9.60	1.20	0.60	OME65888 0533 T571
	ASA 108	647.07	3.05	7.00	0.15	657.80	0.15	8.20	10.70	13.20	1.50	0.60	OME64707 0700 T571
680.00	395.00	658.88	2.40	5.33	0.13	670.60	0.15	6.20	7.90	9.60	1.20	0.60	OME65888 0533 T571
	475.00	658.88	2.40	7.00	0.15	667.80	0.15	8.20	10.70	13.20	1.50	0.60	OME65888 0700 T571
690.00	395.00	658.88	2.40	5.33	0.13	680.60	0.15	6.20	7.90	9.60	1.20	0.60	OME65888 0533 T571
	475.00	658.88	2.40	7.00	0.15	677.80	0.15	8.20	10.70	13.20	1.50	0.60	OME65888 0700 T571
700.00	475.00	658.88	2.40	7.00	0.15	687.80	0.15	8.20	10.70	13.20	1.50	0.60	OME65888 0700 T571



SI No.	Cross Section W (mm)	Radial Dynamic and Static				Axial-Static		Radius	
		Groove Depth E (mm) Tol. + 0.05	Groove Width F (mm) Tol. + 0.2	Groove Width with 1 Back-up Ring F ₁ (mm) Tol. + 0.2	Groove Width with 2 Back-up Ring F ₂ (mm) Tol. + 0.2	Groove Depth E ₁ (mm) Tol. + 0.2	Groove Width F ₃ (mm) Tol. + 0.2	Without Back-up Ring R (mm)	With Back-up Ring R ₁ (mm)
1	0.40	0.28	0.60	-	-	0.26	0.30	-	-
2	0.50	0.35	0.70	-	-	0.35	0.70	-	-
3	0.60	0.45	0.80	-	-	0.40	0.80	-	-
4	1.00 and 1.02	0.80	1.40	-	-	0.65	1.40	0.20	-
5	1.10, 1.12 and 1.15	0.90	1.50	-	-	0.75	1.50	0.20	-
6	1.20	0.95	1.70	-	-	0.80	1.70	0.20	-
7	1.25 and 1.27	1.00	1.80	-	-	0.85	1.80	0.20	-
8	1.30	1.05	1.80	-	-	0.90	1.80	0.20	-
9	1.42 and 1.45	1.15	1.90	-	-	0.95	1.90	0.20	-
10	1.50 and 1.52	1.20	1.90	2.90	3.90	1.00	2.10	0.20	0.20
11	1.57, 1.60 and 1.63	1.30	2.00	3.00	4.00	1.10	2.20	0.30	0.20
12	1.78 and 1.80	1.45	2.20	3.60	5.00	1.20	2.40	0.40	0.20
13	1.83	1.50	2.30	3.70	5.10	1.25	2.40	0.50	0.20
14	1.90, 1.98, 2.00 and 2.02	1.65	2.50	3.90	5.30	1.40	2.50	0.50	0.20
15	2.08 and 2.10	1.70	2.60	4.00	5.40	1.45	2.80	0.50	0.20
16	2.20 and 2.21	1.85	2.70	4.10	5.50	1.55	2.90	0.50	0.30
17	2.26	1.85	2.80	4.20	5.60	1.55	3.00	0.50	0.30



SI No.	Cross Section W (mm)	Radial Dynamic and Static				Axial-Static		Radius	
		Groove Depth E (mm) Tol. + 0.05	Groove Width F (mm) Tol. + 0.2	Groove Width with 1 Back-up Ring F ₁ (mm) Tol. + 0.2	Groove Width with 2 Back-up Ring F ₂ (mm) Tol. + 0.2	Groove Depth E ₁ (mm) Tol. + 0.2	Groove Width F ₃ (mm) Tol. + 0.2	Without Back-up Ring R (mm)	With Back-up Ring R ₁ (mm)
18	2.30	1.90	2.80	4.20	5.60	1.60	3.00	0.50	0.30
19	2.40	2.00	2.90	4.30	5.70	1.70	3.20	0.50	0.30
20	2.46	2.05	3.00	4.40	5.80	1.75	3.30	0.50	0.30
21	2.50	2.10	3.00	4.40	5.80	1.80	3.40	0.50	0.30
22	2.60, 2.62 and 2.65	2.25	3.10	4.50	5.90	1.90	3.60	0.60	0.30
23	2.70 and 2.75	2.30	3.40	4.80	6.20	1.95	3.70	0.60	0.30
24	2.95 and 3.00	2.50	3.60	5.00	6.40	2.20	3.90	0.80	0.30
25	3.15	2.70	3.80	5.20	6.60	2.30	4.00	0.80	0.40
26	3.50, 3.53, 3.55 and 3.60	3.10	4.20	5.60	7.00	2.70	4.80	1.00	0.40
27	4.00	3.50	4.70	6.40	8.10	3.10	5.40	1.00	0.40
28	4.50	4.00	5.20	6.90	8.30	3.40	6.00	1.00	0.40
29	5.00	4.30	6.00	7.70	9.40	3.90	6.70	1.00	0.40
30	5.30 and 5.33	4.70	6.20	7.90	9.60	4.30	7.10	1.20	0.60
31	5.50	4.80	6.40	8.10	9.80	4.40	7.30	1.20	0.60
32	5.70 and 5.80	5.00	6.70	8.40	10.10	4.60	7.70	1.20	0.60
33	6.00	5.30	6.90	8.60	10.30	4.80	8.20	1.20	0.60
34	6.30 and 6.35	5.60	7.30	9.00	10.70	5.10	8.70	1.20	0.60



Sl. No.	Cross Section W (mm)	Radial Dynamic and Static				Axial-Static		Radius	
		Groove Depth E (mm) Tol. + 0.05	Groove Width F (mm) Tol. + 0.2	Groove Width with 1 Back-up Ring F ₁ (mm) Tol. + 0.2	Groove Width with 2 Back-up Ring F ₂ (mm) Tol. + 0.2	Groove Depth E ₁ (mm) Tol. + 0.2	Groove Width F ₃ (mm) Tol. + 0.2	Without Back-up Ring R (mm)	With Back-up Ring R ₁ (mm)
35	6.50	5.70	7.60	9.30	11.00	5.40	8.90	1.20	0.60
36	6.99 and 7.00	6.10	8.20	10.70	13.20	5.80	9.50	1.50	0.60
37	7.20	6.20	8.50	11.00	13.50	5.90	9.80	1.50	0.60
38	7.50	6.50	8.80	11.30	13.80	6.20	10.40	1.50	0.60
39	8.00	7.00	9.30	11.80	14.30	6.60	11.00	1.50	0.60
40	8.20	7.10	9.60	12.10	14.60	6.70	11.20	1.50	0.60
41	8.40	7.50	9.70	12.20	14.70	6.90	11.70	2.00	0.60
42	9.00	7.80	10.60	13.10	15.60	7.40	12.50	2.00	0.60
43	9.50	8.30	11.10	13.60	16.10	7.80	13.30	2.00	0.60
44	10.00	8.70	11.70	14.20	16.70	8.30	13.50	2.00	0.60
45	11.00	9.60	12.90	15.40	17.90	9.10	15.50	3.00	0.60
46	12.00	10.50	14.00	16.50	19.00	10.30	16.80	3.00	0.60
47	14.00	12.20	16.40	18.90	21.40	11.60	19.00	3.00	0.60
48	15.00	13.20	17.40	19.90	22.40	12.50	20.00	3.00	0.60
49	16.00	14.00	18.70	21.20	23.70	13.50	21.50	3.00	0.60

O-Ring JIS2401 Sizes “P” Style:

Size	Actual Size (mm)			
	I.D.	±	W	±
P3	2.80	0.14	1.90	0.08
P4	3.80	0.14	1.90	0.08
P5	4.80	0.15	1.90	0.08
P6	5.80	0.15	1.90	0.08
P7	6.80	0.16	1.90	0.08
P8	7.80	0.16	1.90	0.08
P9	8.80	0.17	1.90	0.08
P010	9.80	0.17	1.90	0.08
P010A	9.80	0.17	2.40	0.09
P011	10.80	0.18	2.40	0.09
P011.2	11.00	0.18	2.40	0.09
P012	11.80	0.19	2.40	0.09
P012.5	12.30	0.19	2.40	0.09
P014	13.80	0.19	2.40	0.09
P015	14.80	0.20	2.40	0.09
P016	15.80	0.20	2.40	0.09
P018	17.80	0.20	2.40	0.09
P020	19.80	0.22	2.40	0.09
P021	20.80	0.23	2.40	0.09
P022	21.80	0.24	2.40	0.09
P022A	21.70	0.24	3.50	0.10
P022.4	22.10	0.24	3.50	0.10
P024	23.70	0.24	3.50	0.10
P025	24.7	0.25	3.50	0.10
P25.5	25.2	0.25	3.50	0.10
P26	25.7	0.26	3.50	0.10
P28	27.7	0.28	3.50	0.10

Size	Actual Size (mm)			
	I.D.	±	W	±
P29	28.70	0.29	3.50	0.10
P29.5	29.20	0.29	3.50	0.10
P30	29.70	0.29	3.50	0.10
P31	30.70	0.30	3.50	0.10
P31.5	31.20	0.31	3.50	0.10
P32	31.70	0.31	3.50	0.10
P34	33.70	0.33	3.50	0.10
P35	34.70	0.34	3.50	0.10
P35.5	35.20	0.34	3.50	0.10
P36	35.70	0.34	3.50	0.10
P38	37.70	0.37	3.50	0.10
P39	38.70	0.37	3.50	0.10
P40	39.70	0.37	3.50	0.10
P41	40.70	0.38	3.50	0.10
P42	41.70	0.39	3.50	0.10
P44	43.70	0.41	3.50	0.10
P45	44.70	0.41	3.50	0.10
P46	45.70	0.42	3.50	0.10
P48	47.70	0.44	3.50	0.10
P49	48.70	0.45	3.50	0.10
P50	49.70	0.45	3.50	0.10
P48A	47.60	0.44	3.50	0.10
P50A	49.60	0.45	3.50	0.10
P52	51.60	0.47	5.70	0.13
P53	52.60	0.48	5.70	0.13
P55	54.60	0.49	5.70	0.13
P56	55.60	0.50	5.70	0.13

Size	Actual Size (mm)			
	I.D.	±	W	±
P58	57.60	0.52	5.70	0.13
P60	59.60	0.53	5.70	0.13
P62	61.60	0.55	5.70	0.13
P63	62.60	0.56	5.70	0.13
P65	64.60	0.57	5.70	0.13
P67	66.60	0.59	5.70	0.13
P70	69.60	0.61	5.70	0.13
P71	70.60	0.62	5.70	0.13
P75	74.60	0.65	5.70	0.13
P80	79.60	0.69	5.70	0.13
P85	84.60	0.73	5.70	0.13
P90	89.60	0.77	5.70	0.13
P95	94.60	0.81	5.70	0.13
P100	99.60	0.84	5.70	0.13
P102	101.60	0.85	5.70	0.13
P105	104.60	0.87	5.70	0.13
P110	109.60	0.91	5.70	0.13
P112	111.60	0.92	5.70	0.13
P115	114.60	0.94	5.70	0.13
P120	119.60	0.98	5.70	0.13
P125	124.60	0.10	5.70	0.13
P130	129.60	0.11	5.70	0.13
P132	131.60	0.11	5.70	0.13
P135	134.60	0.11	5.70	0.13
P140	139.60	0.11	5.70	0.13
P145	144.60	0.12	5.70	0.13
P150	149.60	0.12	5.70	0.13

O-Ring JIS2401 Sizes “P” Style:

Size	Actual Size (mm)			
	I.D.	±	W	±
P215	214.50	0.17	8.40	0.15
P220	219.50	0.17	8.40	0.15
P225	224.50	0.17	8.40	0.15
P230	229.50	0.18	8.40	0.15
P235	234.50	0.18	8.40	0.15
P240	239.50	0.18	8.40	0.15
P245	244.50	0.18	8.40	0.15
P250	249.50	0.19	8.40	0.15
P255	254.50	0.19	8.40	0.15
P260	259.50	0.19	8.40	0.15
P265	264.50	0.20	8.40	0.15
P270	269.50	0.20	8.40	0.15
P275	274.50	0.20	8.40	0.15
P280	279.50	0.21	8.40	0.15

Size	Actual Size (mm)			
	I.D.	±	W	±
P285	284.50	0.21	8.40	0.15
P290	289.50	0.21	8.40	0.15
P295	294.50	0.22	8.40	0.15
P300	299.50	0.22	8.40	0.15
P315	314.50	0.23	8.40	0.15
P320	319.50	0.23	8.40	0.15
P335	334.50	0.24	8.40	0.15
P340	339.50	0.25	8.40	0.15
P355	354.50	0.25	8.40	0.15
P360	359.50	0.26	8.40	0.15
P375	374.50	0.27	8.40	0.15
P385	384.50	0.27	8.40	0.15
P400	399.50	0.28	8.40	0.15

O-Ring JIS2401 Sizes “G” Style:

Size	Actual Size (mm)			
	I.D.	±	W	±
G025	24.40	0.25	3.10	0.10
G030	29.40	0.29	3.10	0.10
G035	34.40	0.33	3.10	0.10
G040	39.40	0.37	3.10	0.10
G045	44.40	0.41	3.10	0.10
G050	49.40	0.45	3.10	0.10
G055	54.40	0.49	3.10	0.10
G060	59.40	0.53	3.10	0.10
G065	64.40	0.57	3.10	0.10
G070	69.40	0.61	3.10	0.10
G075	74.40	0.65	3.10	0.10
G080	79.40	0.69	3.10	0.10
G085	84.40	0.73	3.10	0.10
G090	89.40	0.77	3.10	0.10
G095	94.40	0.81	3.10	0.10
G100	99.40	0.85	3.10	0.10
G105	104.40	0.87	3.10	0.10
G110	109.40	0.91	3.10	0.10

Size	Actual Size (mm)			
	I.D.	±	W	±
G115	114.40	0.94	3.10	0.10
G120	119.40	0.98	3.10	0.10
G125	124.40	0.10	3.10	0.10
G130	129.40	0.11	3.10	0.10
G135	134.40	0.11	3.10	0.10
G140	139.40	0.11	3.10	0.15
G145	144.40	0.12	3.10	0.15
G150	149.30	0.12	5.70	0.13
G155	154.30	0.12	5.70	0.13
G160	159.30	0.13	5.70	0.13
G165	164.30	0.13	5.70	0.13
G170	169.30	0.13	5.70	0.13
G175	174.30	0.14	5.70	0.13
G180	179.30	0.14	5.70	0.13
G185	184.30	0.14	5.70	0.13
G190	189.30	0.15	5.70	0.13
G195	194.30	0.15	5.70	0.13
G200	199.30	0.16	5.70	0.13

Size	Actual Size (mm)			
	I.D.	±	W	±
G210	209.30	0.16	5.70	0.13
G220	219.30	0.17	5.70	0.13
G230	229.30	0.17	5.70	0.13
G240	239.30	0.18	5.70	0.13
G250	249.30	0.19	5.70	0.13
G260	259.30	0.19	5.70	0.13
G270	269.30	0.20	5.70	0.13
G280	279.30	0.21	5.70	0.13
G290	289.30	0.21	5.70	0.13
G300	299.30	0.22	5.70	0.13

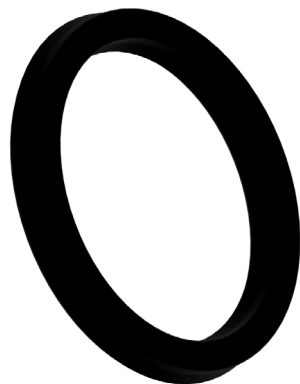
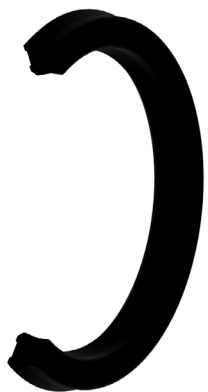


Static Seals

MAE



#SealingExcellence



Description

MAE Flange seal is a significant development in all static applications where a normal NBR O-ring would not resist to high pressure and coupling clearance. The specific profile and the high modulus of elasticity, together with an excellent compression set, avoid extrusion and leakage problems in the tube flanging.



Diameter Range

Ø18.00 – Ø63-80



Standard material

TRIATHANE® T479(PU)



Temperature(°C)

-35° C to 110° C



Fluids

Hydraulic fluids (Mineral Oil based).



Pressure

< 400 bar (Please consult Triada® Technologies for applications above 400bar)

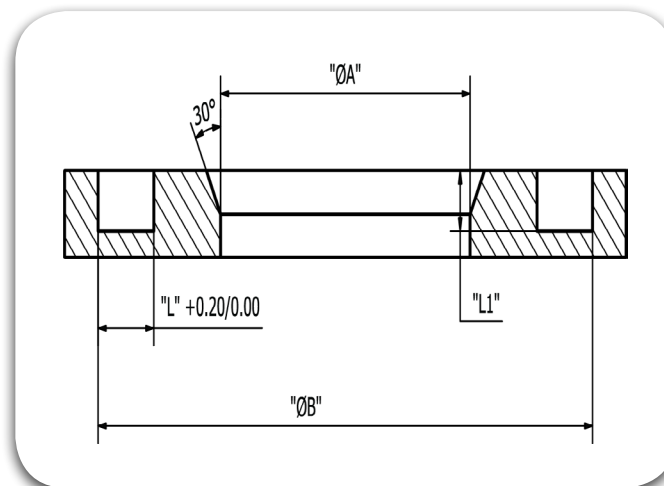
Material Details	
Seal Material	Seal Material Code
TRIATHANE® Poly-Urethane	T479



Seal Dimensions			
Nominal Flange Size	O.D	I.D	Thickness "T"
1/2"	25.60	18.00	3.50
3/4"	31.80	24.20	3.50
1"	39.80	32.20	3.50
1 1/4"	44.80	37.20	3.50
1 1/2"	54.30	46.70	3.50
2"	63.80	56.20	3.50

Nomenclature					
Part No	MAE	02540	0394	0279	T479
Seal profile	Groove OD x 10	Groove Width x 10	Groove Depth x 10	Seal Material Code	





Groove Dimensions						
Sl. No.	Nominal Flange Size	"ØA"	"ØB" min. - max.	Width "L" min. - max	Depth "L1" min. - max	TRIADA® Part Numbers
1	1/2"	13	25.40 - 25.83	3.94 - 4.45	2.79 - 2.92	MAE02540 0394 0279 T479
2	3/4"	19	31.75 - 31.88	3.94 - 4.45	2.79 - 2.92	MAE03175 0394 0279 T479
3	1"	25	39.62 - 39.75	3.94 - 4.45	2.79 - 2.92	MAE03962 0394 0279 T479
4	1 1/4"	32	44.45 - 44.58	3.94 - 4.45	2.79 - 2.92	MAE04445 0394 0279 T479
5	1 1/2"	38	53.72 - 53.98	3.94 - 4.45	2.79 - 2.92	MAE05372 0394 0279 T479
6	2"	51	63.25 - 62.50	3.94 - 4.45	2.79 - 2.92	MAE06325 0394 0279 T479



Static Seals Back-Up Rings



#SealingExcellence



Description

Back-up rings are always used in conjunction with O-Rings or Quad Rings. When subjected to pressure, the O-Ring can be forced into the sealed gap and thus extrudes & destroyed. Back-up rings are fitted in order to restrict the size of the gap and thereby prevent the O-Ring from extruding into it. The use of a back-up ring produces a reliable O-Ring seal effective over a wide pressure and temperature range. The same applies to Quad-Rings which can also be fitted together with back-up rings.

Types of Back-up Rings

Back-up rings are used for external seals (e.g. pistons) and internal seals (e.g. rods and shafts). They are used preferably for radial-dynamic and radial-static installation, please contact TRIADA® for Back-up rings for axial-static installation.

There are five standard versions:

- BSU Type (Spiral)
- BUC Type (Cut)
- BUU Type (Uncut)
- BCC Type (Concave Cut)
- BCU Type (Concave Uncut)



**Back-up Ring
Spiral**

Spiral back-up ring

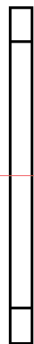
Spiral back-up rings are used for dynamic (reciprocating motion) and static seals. They are particularly recommended if there are substantial fluctuations in temperature, because they contract or expand helically. The designs are also suitable for diameters that do not conform to standard, because the ring can easily be shortened and made to fit the application at hand



**Back-up Ring
Cut**

Cut back-up ring

Cut back-up rings are intended for dynamic (reciprocating motion) and static seals. They must be split by noncutting techniques in order to ensure that another gap is not formed when they are mounted. As a rule, a cut is oblique, but rings with straight cuts can also be supplied.



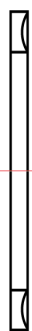
**Back-up Ring
Uncut**

Uncut back-up ring

Uncut back-up rings are used for dynamic O-Ring seals (reciprocal, swiveling, helical motion and rotary motion) and for static O-Ring seals. Thanks to a special installation principle, the so-called rotary principle, O-Rings and Quad-Rings can be used for sealing rotating shafts at high speeds and high pressures. Only uncut back-up rings may be used for rotary installations.



**Back-up Ring
Concave Cut**



**Back-up Ring
Concave Uncut**

Concave back-up rings

Back-up rings which are concave on one side have a larger contact surface for the O-Ring than the standard versions with rectangular cross-section. The O-Ring is partitioned substantially better and can thus also be subject to a higher load.

Essential advantages:

- The O-Ring shape is largely retained thanks to the concave contact surface, even at every high and pulsating pressure.
- The dimensional stability of the O-Ring has a favorable influence on the sealing force as a function of time (relaxation behavior).
- The O-Ring seal has a longer service life.

Concave back-up rings are used for various pressure ranges, dependent upon the material:

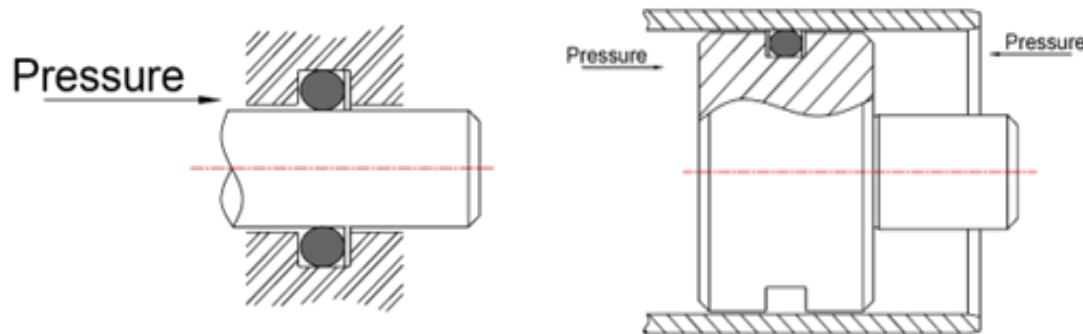
- Highly wear-resistant nitrile rubber (NBR 90 Shore A) and (polyester rubber). Back-up rings made of these elastomers are only available uncut.

Operating conditions

The fitting of back-up rings are essential if a least one of the following conditions of operation apply:

- Pressures of about 80 bar upwards (under certain circumstances lower pressures as well).
- Wide tolerances for the dimensions of the gap between the parts to be sealed and for the diameter and large radial gaps
- High speeds and frequencies
- Strong pressures surges and fluctuations
- High temperatures and fluctuating temperatures

If pressure acts on one side of the O-Ring, it will suffice to one back-up ring on the side not exposed to the pressure. If the pressure changes, two back-up rings – one on each side of the O-Ring – must be fitted as shown below.



In order to avoid errors in assembly, it is advisable to fit two back-up rings, even if the pressure acts on only one side.

Materials

The back-up rings are normally made of virgin PTFE. Owing to the unfavorable cold flow behavior of PTFE (permanent deformation as a function of the load and temperature), this material can be used only for moderate pressures. PTFE modified with fillers, e.g. glass fiber, bronze and carbon etc. is used for more stringent requirements. This improves the mechanical properties and primarily resistance to cold flow, compressive strength, abrasion resistance and temperature dependence. Back-up rings may also be made of elastomeric materials, preferably nitrile rubber (NBR) and Hytrel (polyester rubber) with a high shore hardness.

Selection of back-up rings

In order to ensure the selection of the correct back-up ring, the size of the O-Ring and the operating conditions involved must be accurately known.

- Dimensions of the back-up ring

Once it is known whether a seal is required "for a bore or a rod", and once the dimensions of the groove have been derived from those of the O-Ring, the dimensions of the back-up ring can be accurately determined.

- Design of the back-up ring

An idea of the type of back-up ring required, i.e. spiral, cut or uncut ring, can be derived from the operating conditions (e.g. whether a dynamic or static seal is needed and whether the motion is reciprocating, oscillating, spiral or rotary).

- Materials suitable for the back-up ring

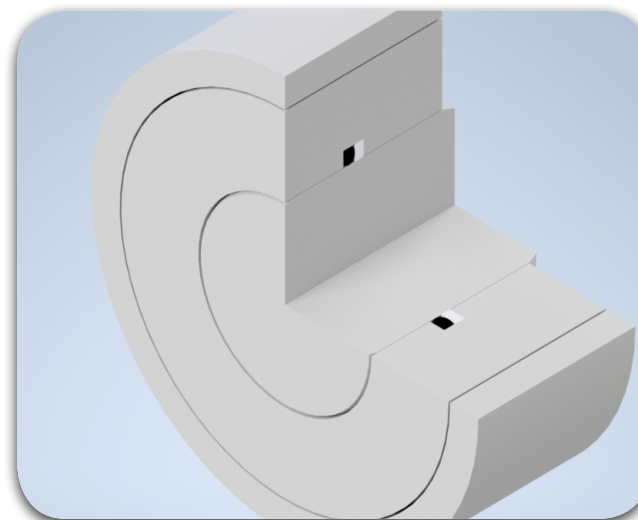
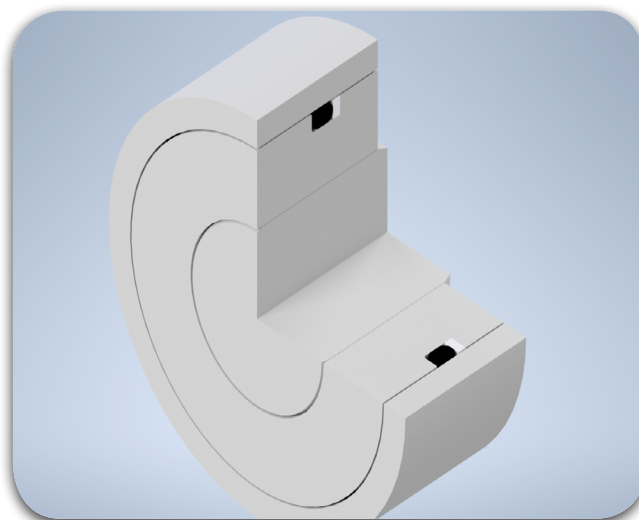
Important criteria in selecting the correct back-up ring material are operating pressure, temperature and the size of the diametrical clearance or radial sealing gap.

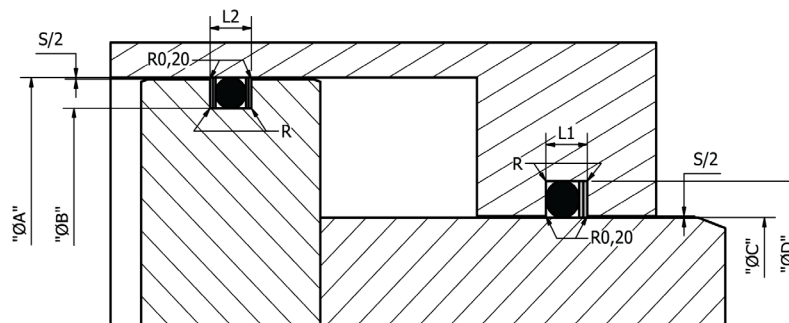
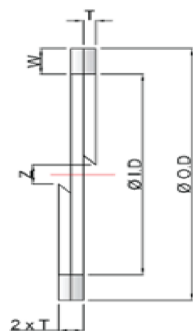
The greater the diametrical clearance or the radial sealing gap, the greater the compressive strength of the back-up ring must be. The greater the diametrical clearance or the radial sealing gap, the greater the compressive strength of the back-up ring must be.

Base Material	Material Code	Dynamic Application Pressure in Bar
NBR 90 Shores A	T591	200
FKM 90 Shores A	T691	200
Bronze filled PTFE	T415	400
Carbon Filled PTFE	T417	400
Glass Filled PTFE	T412	400
Virgin PTFE -Standard	T401	250

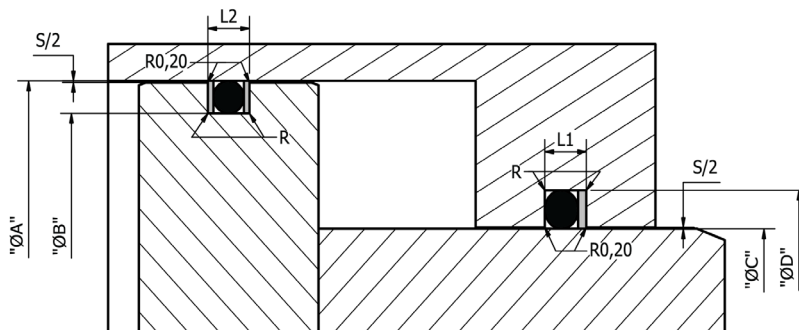
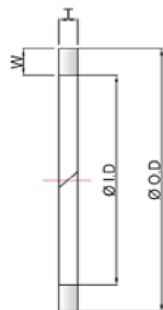
Nomenclature					
Part No	BXX	XXXX	XXXX	XXXX	T401
Seal profile	Bore / Rod Dia. x 100	Groove Dia x 100	Seal Width x 100	Seal Material Code	

Back - up Ring Type	Seal Profile
Spiral Back - up Ring	BSU
Back - up Ring (Uncut)	BUU
Back - up Ring (Cut)	BUC
Concave Back - up Ring (Uncut)	BCU
Concave Back - up Ring (Cut)	BCC

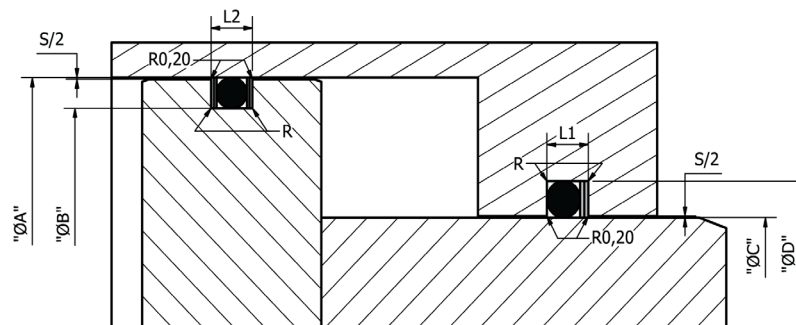
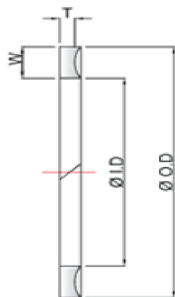




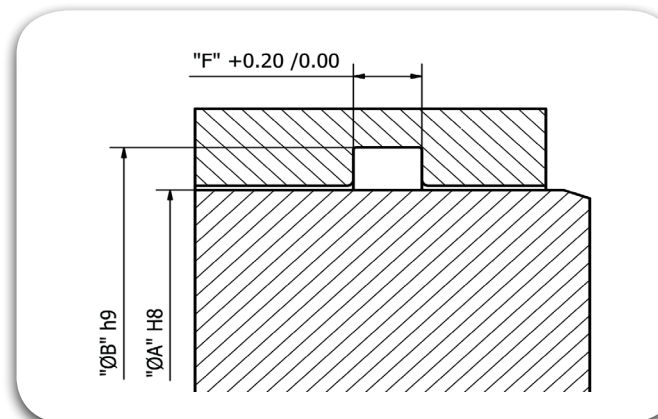
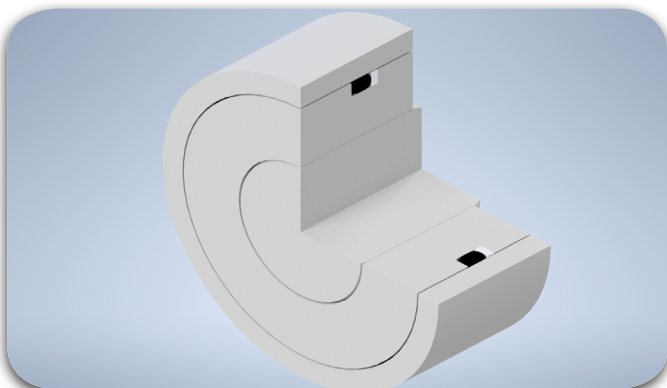
SI No	O-Ring cross Section	Back-Up Ring Dimensions		Groove Dimensions				
				Groove Dia.		Groove Width		Radius R
	AS 568 A	Width "W"	Thickness "T"	"ØB" -0.10	"ØD" +0.10	1 Back- Up Ring "L1" +0.20	2 Back- up Rings "L2" +0.20	
1	1.78	1.20	0.50	A - 2.4	C + 2.4	2.90	3.90	0.20
2		1.30	0.50	A - 2.6	C + 2.6	3.00	4.00	0.20
3		1.45	0.70	A - 2.9	C + 2.9	3.60	5.00	0.20
4		1.65	0.70	A - 3.3	C + 3.3	3.90	5.30	0.20
5		2.00	0.70	A - 4.0	C + 4.0	4.30	5.70	0.30
6		2.10	0.70	A - 4.2	C + 4.2	4.40	5.80	0.30
7	2.62	2.25	0.70	A - 4.5	C + 4.5	4.50	5.90	0.30
8		2.50	0.70	A - 5.0	C + 5.0	5.00	6.40	0.30
9	3.53	3.10	0.70	A - 6.2	C + 6.2	5.60	7.00	0.40
10		3.50	0.85	A - 7.0	C + 7.0	6.40	8.10	0.40
11		4.30	0.85	A - 8.6	C + 8.6	7.70	9.40	0.40
12	5.33	4.70	0.85	A - 9.4	C + 9.4	7.90	9.60	0.60
13		5.00	0.85	A - 10.0	C + 10.0	8.40	10.10	0.60
14		5.30	0.85	A - 10.6	C + 10.6	8.60	10.30	0.60
15	7.00	6.10	1.25	A - 12.2	C + 12.2	10.70	13.20	0.60
16		7.00	1.25	A - 14.0	C + 14.0	11.80	14.30	0.60
17		7.50	1.25	A - 15.0	C + 15.0	12.20	14.70	0.60



SI No	O-Ring cross Section	Back-Up Ring Dimensions		Groove Dimensions				
				Groove Dia.		Groove Width		Radius R
	AS 568 A	Width "W"	Thickness "T"	"ØB" -0.10	"ØD" +0.10	1 Back- Up Ring "L1" +0.20	2 Back- up Rings "L2" +0.20	
1	1.78	1.20	1.00	A - 2.4	C + 2.4	2.90	3.90	0.20
2		1.30	1.00	A - 2.6	C + 2.6	3.00	4.00	0.20
3		1.45	1.40	A - 2.9	C + 2.9	3.60	5.00	0.20
4		1.65	1.40	A - 3.3	C + 3.3	3.90	5.30	0.20
5		2.00	1.40	A - 4.0	C + 4.0	4.30	5.70	0.30
6		2.10	1.40	A - 4.2	C + 4.2	4.40	5.80	0.30
7	2.62	2.25	1.40	A - 4.5	C + 4.5	4.50	5.90	0.30
8		2.50	1.40	A - 5.0	C + 5.0	5.00	6.40	0.30
9	3.53	3.10	1.40	A - 6.2	C + 6.2	5.60	7.00	0.40
10		3.50	1.70	A - 7.0	C + 7.0	6.40	8.10	0.40
11		4.30	1.70	A - 8.6	C + 8.6	7.70	9.40	0.40
12	5.33	4.70	1.70	A - 9.4	C + 9.4	7.90	9.60	0.60
13		5.00	1.70	A - 10.0	C + 10.0	8.40	10.10	0.60
14		5.30	1.70	A - 10.6	C + 10.6	8.60	10.30	0.60
15	7.00	6.10	2.50	A - 12.2	C + 12.2	10.70	13.20	0.60
16		7.00	2.50	A - 14.0	C + 14.0	11.80	14.30	0.60
17		7.50	2.50	A - 15.0	C + 15.0	12.20	14.70	0.60

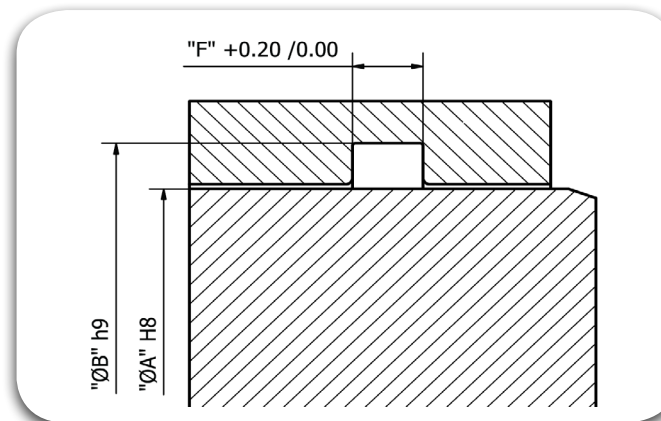
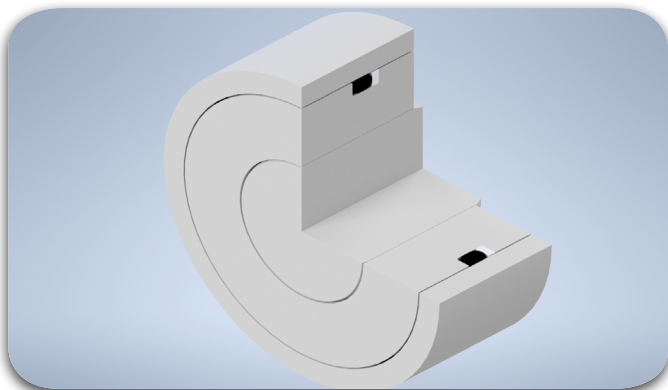


Sr No	O-Ring cross Section	Back-Up Ring Dimensions		Groove Dimensions				
				Groove Dia.		Groove Width		Radius R
	AS 568 A	Width "W"	Thickness "T"	"ØB" -0.10	"ØD" +0.10	1 Back- Up Ring "L1" +0.20	2 Back- up Rings "L2" +0.20	
1	1.78	1.20	1.00	A - 2.4	C + 2.4	2.90	3.90	0.20
2		1.30	1.00	A - 2.6	C + 2.6	3.00	4.00	0.20
3		1.45	1.40	A - 2.9	C + 2.9	3.60	5.00	0.20
4		1.65	1.40	A - 3.3	C + 3.3	3.90	5.30	0.20
5		2.00	1.40	A - 4.0	C + 4.0	4.30	5.70	0.30
6		2.10	1.40	A - 4.2	C + 4.2	4.40	5.80	0.30
7	2.62	2.25	1.40	A - 4.5	C + 4.5	4.50	5.90	0.30
8		2.50	1.40	A - 5.0	C + 5.0	5.00	6.40	0.30
9	3.53	3.10	1.40	A - 6.2	C + 6.2	5.60	7.00	0.40
10		3.50	1.70	A - 7.0	C + 7.0	6.40	8.10	0.40
11		4.30	1.70	A - 8.6	C + 8.6	7.70	9.40	0.40
12	5.33	4.70	1.70	A - 9.4	C + 9.4	7.90	9.60	0.60
13		5.00	1.70	A - 10.0	C + 10.0	8.40	10.10	0.60
14		5.30	1.70	A - 10.6	C + 10.6	8.60	10.30	0.60
15	7.00	6.10	2.50	A - 12.2	C + 12.2	10.70	13.20	0.60
16		7.00	2.50	A - 14.0	C + 14.0	11.80	14.30	0.60
17		7.50	2.50	A - 15.0	C + 15.0	12.20	14.70	0.60



SI No.	Shaft Dia. "ØA"	Groove Dimensions for Uncut Backup Rings (BUU)		TRIADA® Part Numbers	O-Ring dash Number
		Groove Dia. "ØB" +0.1	Groove Width F +0.2		
1	5.00	8.30	3.20	BUU00500 00830 0320 T401	9
2	8.00	11.40	3.20	BUU00800 01140 0320 T401	904
3	10.00	14.90	4.00	BUU01000 01490 0400 T401	111
4	12.00	16.90	4.00	BUU01200 01690 0400 T401	112
5	15.00	19.90	4.00	BUU01500 01990 0400 T401	114
6	16.00	20.90	4.00	BUU01600 02090 0400 T401	115
7	18.00	22.90	4.00	BUU01800 02290 0400 T401	116
8	20.00	26.70	5.40	BUU02000 02670 0540 T401	212
9	22.00	28.70	5.40	BUU02200 02870 0540 T401	213
10	24.00	30.70	5.40	BUU02400 03070 0540 T401	214
11	25.00	31.70	5.40	BUU02500 03170 0540 T401	215
12	27.00	33.70	5.40	BUU02700 03370 0540 T401	216
13	28.00	34.70	5.40	BUU02800 03470 0540 T401	217
14	30.00	36.70	5.40	BUU03000 03670 0540 T401	218
15	32.00	38.70	5.40	BUU03200 03870 0540 T401	219
16	33.00	39.70	5.40	BUU03000 03970 0540 T401	220
17	34.00	40.70	5.40	BUU03400 04070 0540 T401	221

SI No.	Shaft Dia. "ØA"	Groove Dimensions for Uncut Backup Rings (BUU)		TRIADA® Part Numbers	O-Ring dash Number
		Groove Dia. "ØB" +0.1	Groove Width F +0.2		
19	38.00	47.90	8.00	BUU03800 04790 0800 T401	326
20	40.00	50.00	8.00	BUU04000 05000 0800 T401	327
21	42.00	51.90	8.00	BUU04200 05190 0800 T401	327
22	45.00	54.90	8.00	BUU04500 05490 0800 T401	328
23	48.00	57.90	8.00	BUU04800 05790 0800 T401	329
24	50.00	59.90	8.00	BUU05000 05990 0800 T401	330
25	51.00	60.90	8.00	BUU05100 06090 0800 T401	330
26	52.00	61.90	8.00	BUU05200 06190 0800 T401	330
27	54.00	63.90	8.00	BUU05400 06390 0800 T401	331
28	55.00	64.90	8.00	BUU05500 06490 0800 T401	331
29	56.00	65.90	8.00	BUU05600 06590 0800 T401	332
30	60.00	69.90	8.00	BUU06000 06990 0800 T401	333
31	63.00	72.90	8.00	BUU06300 07290 0800 T401	334
32	65.00	74.90	8.00	BUU06500 07490 0800 T401	334
33	66.00	75.90	8.00	BUU06600 07590 0800 T401	335
34	67.00	76.90	8.00	BUU06700 07690 0800 T401	335
35	70.00	79.90	8.00	BUU07000 07990 0800 T401	336



SI No.	Shaft Dia. "ØA"	Groove Dimensions for Uncut Backup Rings (BUU)		TRIADA® Part Numbers	O-Ring dash Number
		Groove Dia. "ØB" +0.1	Groove Width F +0.2		
37	75.00	84.90	8.00	BUU07500 08490 0800 T401	338
38	80.00	89.90	8.00	BUU08000 08990 0800 T401	340
39	82.00	91.90	8.00	BUU08200 09190 0800 T401	340
40	85.00	94.90	8.00	BUU08500 09490 0800 T401	341
41	90.00	99.90	8.00	BUU09000 09990 0800 T401	343
42	95.00	104.90	8.00	BUU09500 10490 0800 T401	344
43	100.00	109.90	8.00	BUU10000 10990 0800 T401	346
44	105.00	114.90	8.00	BUU10500 11490 0800 T401	348
45	110.00	123.30	10.20	BUU11000 12330 1020 T401	426
46	115.00	128.30	10.20	BUU11500 12830 1020 T401	427
47	120.00	133.30	10.20	BUU12000 13330 1020 T401	429
48	122.00	135.30	10.20	BUU12200 13530 1020 T401	429
49	125.00	138.30	10.20	BUU12500 13830 1020 T401	430
50	130.00	143.30	10.20	BUU13000 14330 1020 T401	432
51	140.00	153.30	10.20	BUU14000 15330 1020 T401	436

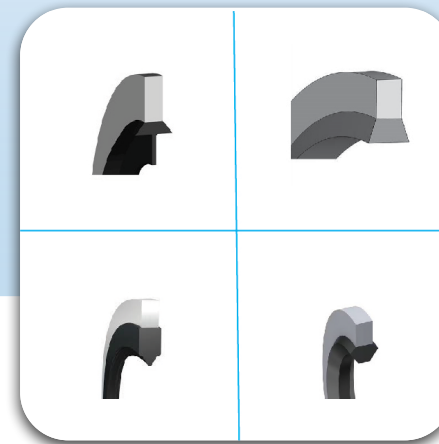
SI No.	Shaft Dia. "ØA"	Groove Dimensions for Uncut Backup Rings (BUU)		TRIADA® Part Numbers	O-Ring dash Number
		Groove Dia. "ØB" +0.1	Groove Width F +0.2		
53	160.00	173.30	10.20	BUU16000 17330 1020 T401	439
54	170.00	183.30	10.20	BUU17000 18330 1020 T401	441
55	180.00	193.30	10.20	BUU18000 19330 1020 T401	443
56	200.00	213.30	10.20	BUU20000 21330 1020 T401	445
57	210.00	223.30	10.20	BUU21000 22330 1020 T401	446
58	220.00	233.30	10.20	BUU22000 23330 1020 T401	447



Static Seals Bonded Seal



#SealingExcellence



Description

The Bonded Seal comprises a metal washer and an elastomeric ring bonded inside the diameter. The metal washer prevents over-compression and limits deformation of the elastomeric ring.



Diameter Range

Ø3.00 – Ø250.00



Standard materials

Elastomer component is available in T571 (NBR 70) standard and also special order materials T591 (NBR 90), T671 (FKM 70) & T675 (FKM 75 Shore A), T775 (EPDM 75 Shore A)

Washer component is carbon steel (Zinc Plated Cr II thickness 5μ), or stainless steel (JISG 3141/ DIN EN 101030/DC01).



Temperature(°C)

From -32°C to 200°C (Based on Elastomer Material).



Pressure

< 2000 bar (Please consult Triada Technologies for max. pressure Applications).

Advantages:

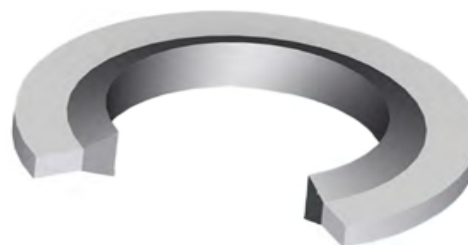
- High and low temperature capabilities
- Bolt torque is reduced with no loss of tightening load
- Less expensive
- Easy installation
- Reusable
- Over compression nor the extrusion is possible because of the encased metal

Material Details

Elastomer Material	Material / Code	Seal Ring Material	Seal Material Code
TRIAFLEX® NBR 70	T571	Carbon Steel	C
TRIAFLEX® NBR 90	T591		
TRIAFLEX® EPDM 70	T775	Stainless Steel	S
TRIAFLEX® FKM 70	T675		

Types of Bonded seals:

- **NBS1** is used for flat flanges or with recessed bolt holes and also used in tapped holes the fig below represents the NBS1 type of bonded seal



- **NBS2** is self-centered Bonded seal, It is located concentrically, it can be pre-assembled and also positively retained, the fig below represents the NBS2 type of bonded seal.



Types of Bonded seals:

- **NBS3** is used for good sealing with a low tightening moment, mostly used with the hexagonal heads, the design of this seal is in such a way that no need of countersink to centre the seal, the fig below represents the NBS3 type of bonded seal.



- **NBS4** seal prevents the leakage by sealing in the thread, this seal is specially designed with three contact lips of the rubber body which seals the thread to nut and machine component.



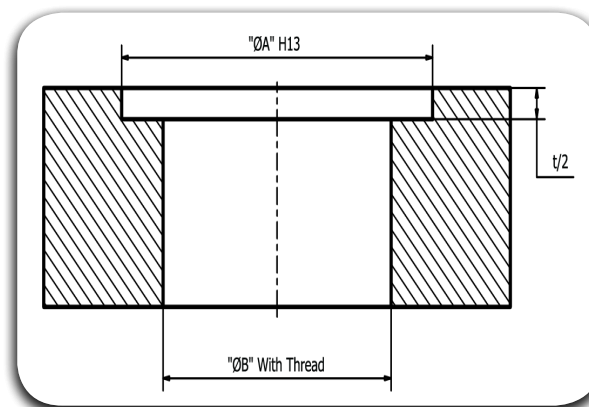
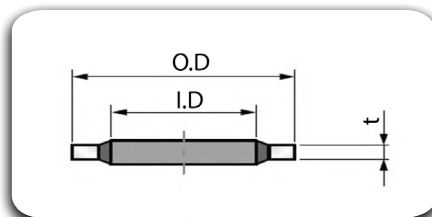
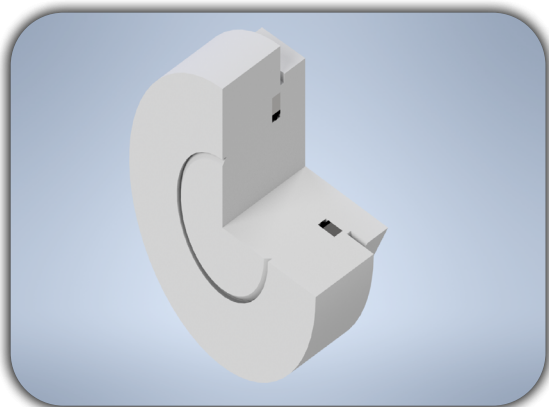
Torque Loading

Satisfactory performance of the seal depends on correct torque loading during assembly. The following table indicates recommended figures. For double sealing, additional torque is generally required.

Thread Size			Torque required	Double Sealing Factor
Metric	Bolt	BSP+	Nm	
Upto 8	5/16	-	5.30	0.25 - 0.15
10	3/8	1/8	7.10	
11	7/16	-	11.80	
12	1/2	1/4	15.80	0.30 - 0.20
14	9/16	-	22.60	
16	5/8	3/8	30.50	
18	3/4	-	40.70	
20	13/16	1/2	56.50	0.30 - 0.20
22	7/8	5/8	67.80	0.30 - 0.20
24	1.00	3/8	73.40	0.35 - 0.25
27+	1.10/16	-	79.00	

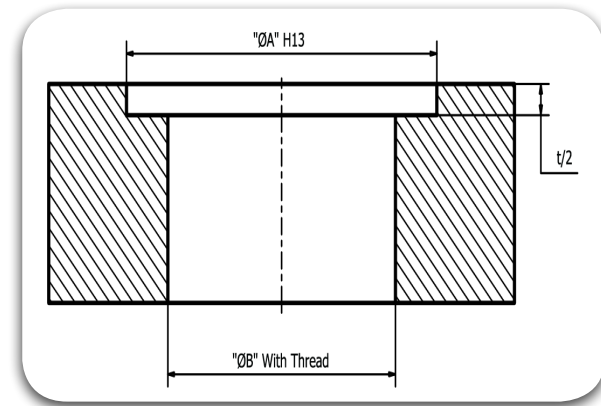
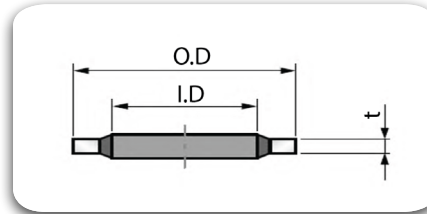
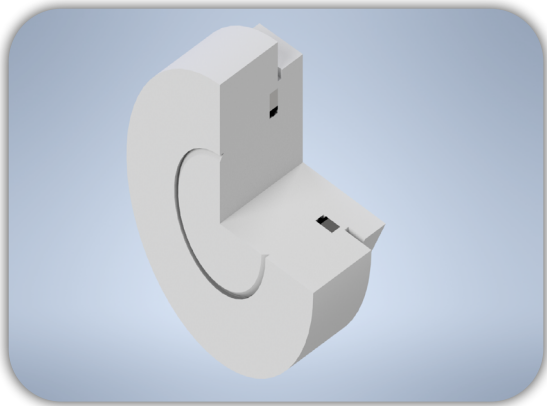
NBS1 Metric & Inch Dimension range:

For Metric threads:



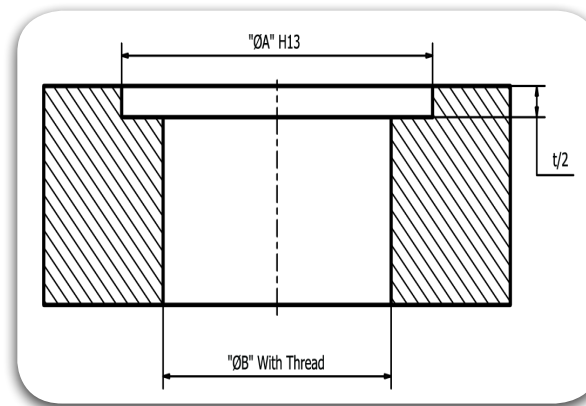
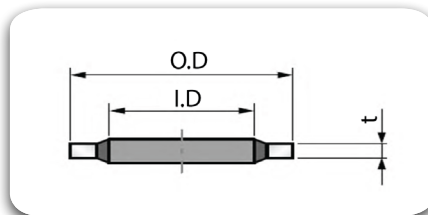
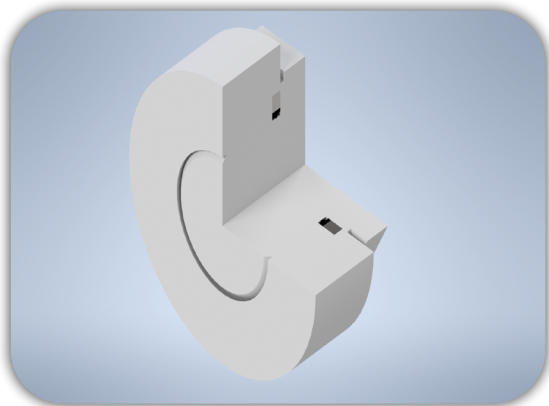
Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M2.5	3.10	6.40	1.00	6.70	2.70	NBS100310 00640 0100
M2.5	3.10	6.40	1.30	6.70	2.70	NBS100310 00640 0130
M3	3.60	7.50	1.00	7.63	3.20	NBS100360 00750 0100
M3	4.10	7.00	1.00	7.30	3.20	NBS100410 00700 0100
M3(M3.5)	4.10	7.20	1.00	7.50	3.20	NBS100410 00720 0100
M4	4.50	7.00	1.00	7.35	4.20	NBS100450 00700 0100
M4	4.60	9.00	1.00	9.30	4.30	NBS100460 00900 0100
M4	4.90	8.60	1.00	8.90	4.30	NBS100490 00860 0100
M5	5.60	10.00	1.00	10.13	5.20	NBS100560 01000 0100
M5	5.70	9.00	1.00	9.30	5.30	NBS100570 00900 0100
M5	5.70	9.20	1.00	9.50	5.30	NBS100570 00920 0100
M5	5.70	9.20	1.00	9.50	5.30	NBS100570 00920 0100
M5	5.70	10.00	1.00	10.30	5.30	NBS100570 01000 0100
M5	6.20	9.20	1.00	9.50	5.30	NBS100620 00920 0100
M6	6.60	11.00	1.00	11.13	6.20	NBS100660 01100 0100

Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M6	6.70	11.00	1.00	11.30	6.40	NBS100670 01100 0100
M6	6.70	11.00	2.50	11.35	6.40	NBS100670 01100 0250
M6	6.85	13.27	1.30	13.40	6.20	NBS106850 01327 0130
M6	6.90	13.20	1.30	13.50	6.40	NBS100690 01370 0130
M6	7.00	11.40	1.00	11.53	6.20	NBS100700 01140 0100
M6	7.00	13.40	1.30	13.70	6.40	NBS100700 01340 0130
M6	8.50	13.40	1.00	13.70	6.40	NBS100850 01340 0100
M8	8.70	14.00	1.00	14.30	8.40	NBS100870 01400 0100
M8	8.70	14.20	1.30	14.50	8.40	NBS100870 01420 0130
M8	8.70	16.00	1.00	16.30	8.40	NBS100870 01600 0100
M8	9.30	13.30	1.00	13.60	8.40	NBS100930 01330 0100
M10	10.35	16.00	2.00	16.17	9.95	NBS201035 01600 0200
M8(M10)	10.70	16.00	1.50	16.30	8.40	NBS101070 01600 0150
M10	10.70	17.00	1.50	17.13	10.20	NBS101070 01700 0150
M8(M10)	10.70	18.00	1.50	18.30	8.40	NBS101070 01800 0150



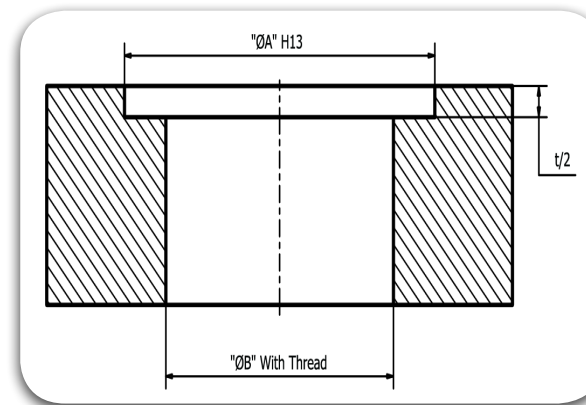
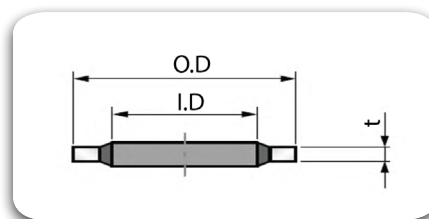
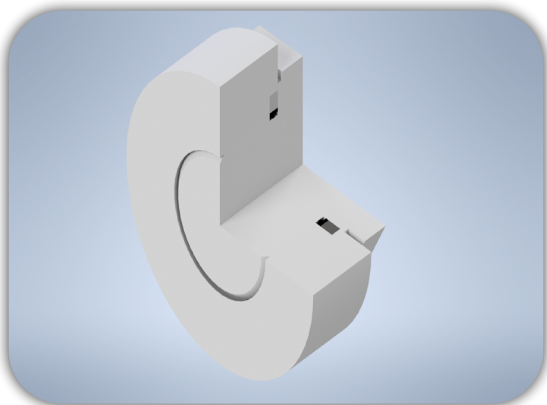
Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M11	11.8	18.1	1.5	18.23	11.2	NBS101180 01810 0150
M10(M11)	11.8	18.5	1.5	18.8	10.5	NBS101180 01850 0150
M10(M11)	11.8	19.1	1.5	19.4	10.5	NBS101180 01910 0150
M10(M12)	12.7	18	1.5	18.3	10.5	NBS101270 01800 0150
M12	12.7	19	1.5	19.13	12.2	NBS101270 01900 0150
M10(M12)	12.7	20	1.5	20.3	10.5	NBS101270 02000 0150
M12(M13)	13.7	20	1.5	20.3	13	NBS101370 02000 0150
M12	13.7	20.6	2.1	20.9	13	NBS101370 02060 0210
M12(M13)	13.7	22	1.5	22.3	13	NBS101370 02200 0150
M12	13.7	22.2	1.59	22.5	13	NBS101370 02220 0159
M13	13.8	20.1	1.5	20.23	13.2	NBS101380 02010 0150
M12(M13.5)	14	18.7	1.5	19	13	NBS101400 01870 0150
M12	14.9	22.3	2.1	22.6	13	NBS101490 02230 0210
M14(M15)	16	22.7	1.5	23	15	NBS101600 02270 0150
M14	16.5	25.5	2.1	25.8	15	NBS101650 02250 0210

Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M14(M16)	16.7	24	1.5	24.3	15	NBS101670 02400 0150
M16.5	17.2	23.9	2.1	24.03	16.7	NBS101720 02390 0210
M17	17.4	23.7	1.5	23.83	17.2	NBS101740 02370 0150
M14(M17)	17.4	24	1.5	24.3	15	NBS101740 02400 0150
M14	17.4	24	2	24.3	15	NBS101740 02400 0200
M16(M17.5)	18	24.7	1.5	25	17	NBS101800 02470 0150
M16	18.2	25.4	2.5	25.7	17	NBS101820 02540 0250
M16(M18)	18.7	26	1.5	26.3	17	NBS101870 02600 0150
M18	18.7	27	2	27.13	18.2	NBS101870 02700 0200
M18(M20)	20.7	28	1.5	28.3	19	NBS102070 02800 0150
M20	20.7	29	2	29.13	20.2	NBS102070 02900 0200
M18(M21)	21.5	28.7	2.5	29	19	NBS102150 02870 0250
M21	21.7	30	2	30.13	21.2	NBS102170 03000 0200
M20(M22)	22.5	28	1.5	28.3	21	NBS102250 02800 0150
M20(M22)	22.7	30	2	30.3	21	NBS102270 03000 0200



Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M22	22.70	31.00	2.00	31.13	22.20	NBS102270 03100 0200
M24	24.70	33.00	2.00	33.13	24.20	NBS102470 03300 0200
M22	26.70	35.00	2.00	35.30	23.00	NBS102670 03500 0200
M24	27.00	35.00	2.50	35.30	225.00	NBS102700 03500 0150
M26	27.00	35.30	2.00	35.43	26.20	NBS102700 03530 0200
M24(M27)	27.20	36.00	2.00	36.30	25.00	NBS102720 03600 0200
M27	27.70	36.00	2.00	36.13	27.20	NBS102770 03600 0200
M28	28.60	36.00	2.00	36.13	28.20	NBS102860 03600 0200
M24	28.70	37.00	2.00	37.30	25.00	NBS102870 03700 0200
M28.5	29.20	37.50	2.00	37.63	28.70	NBS102920 03750 0200
M30	30.70	39.00	2.00	39.13	30.20	NBS103070 03900 0200
M27(M30)	31.00	9.00	2.00	39.30	28.00	NBS103100 03900 0200
M27(M33)	33.70	42.00	2.00	42.30	28.00	NBS103370 04200 0200
M27	33.90	42.80	3.25	43.10	28.00	NBS103390 04280 0325
M27	33.90	42.90	3.40	43.20	28.00	NBS103390 04290 0340
M30(M33)	34.30	43.00	2.00	43.30	31.00	NBS103430 04300 0200
M30(M36)	36.70	46.00	2.00	46.30	31.00	NBS103670 04600 0200

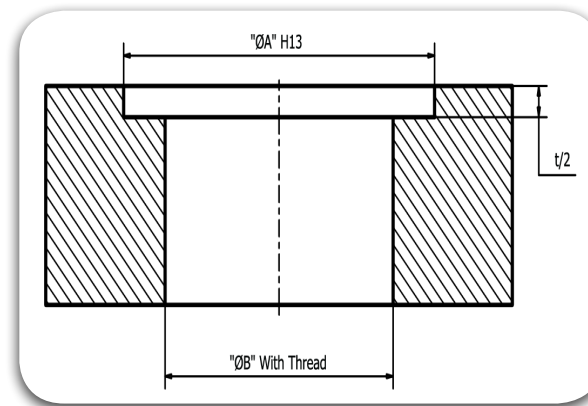
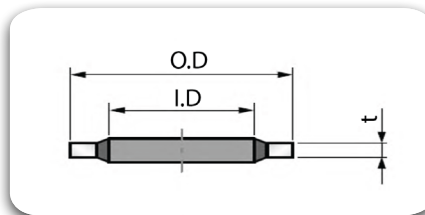
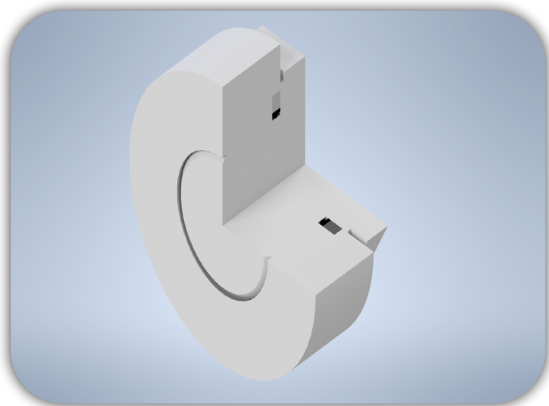
Metric Thread	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D	O.D	Thickness "t"			
M36(M39)	40.00	51.00	2.50	51.30	37.00	NBS104000 05100 0250
M39	40.00	51.00	2.50	51.13	39.20	NBS104000 05100 0250
M36(M42)	42.70	53.00	3.00	53.30	37.00	NBS104270 05300 0300
M42	43.00	54.00	2.50	54.13	42.20	NBS104300 05400 0250
M48	49.00	60.00	2.50	60.13	48.20	NBS104900 06000 0250
M42	51.70	63.50	3.25	63.80	43.00	NBS105170 06350 0325
M42(M51)	52.00	60.00	3.00	60.30	43.00	NBS105200 06000 0300
M48(M52)	53.30	64.50	3.00	64.80	50.00	NBS105330 06450 0300
M48(M60)	60.70	73.00	3.00	73.30	50.00	NBS106070 07300 0300
M68	68.60	79.50	3.50	79.65	68.20	NBS106860 07950 0350
M75	76.10	90.30	3.38	90.45	75.20	NBS107610 09030 0338
M64	76.10	90.30	3.40	90.60	66.00	NBS107610 09030 0340
M88	89.09	101.48	3.25	101.63	88.20	NBS108909 10148 0325
M125	127.00	143.67	5.00	143.82	125.20	NBS112700 14367 0500



For Inch threads:

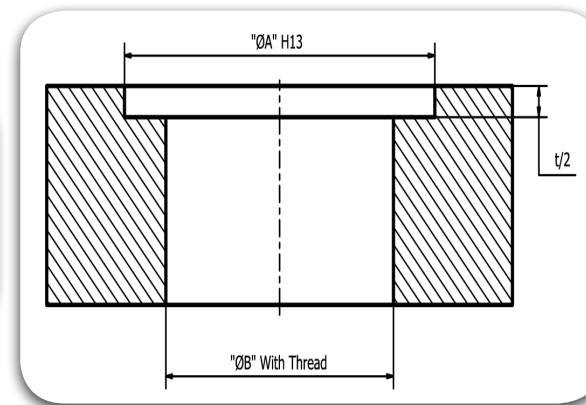
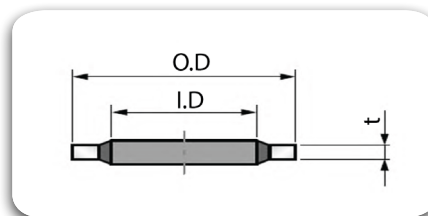
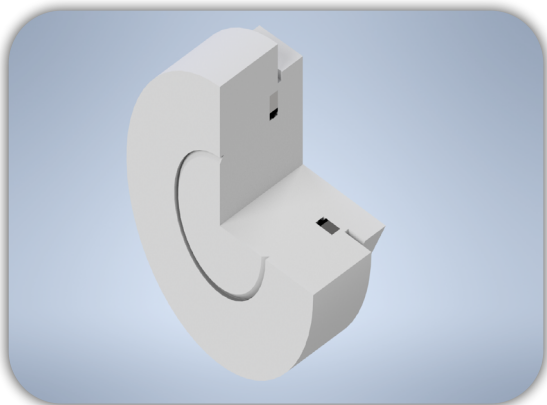
Thread dia. BSP	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D 0.2	O.D 0.2	Thickness "t"			
6BA	3.05	6.35	1.22	6.48	2.79	NBS100305 00635 0122
1/8	3.70	8.05	1.04	8.30	3.50	NBS100370 00850 0104
9/64	4.00	8.38	1.04	8.70	3.90	NBS100400 00838 0104
4BA	4.12	7.26	1.22	7.39	3.60	NBS100412 00726 0122
5/32	4.70	9.29	1.04	9.60	4.50	NBS100470 00929 0104
2BA	5.21	8.38	1.22	8.51	4.69	NBS100521 00838 0122
3/16	5.60	1.79	1.37	11.10	5.40	NBS100560 01079 0137
7/32	6.20	11.55	1.37	11.90	6.00	NBS100620 01155 0137
1/4	6.99	13.34	1.22	13.47	6.35	NBS100699 01334 0122
1/4	7.10	13.18	1.37	13.50	7.00	NBS100710 01318 0137
5/16	8.31	13.34	1.22	13.47	7.93	NBS100831 01334 0122
5/16	8.64	14.22	1.22	14.35	7.94	NBS100864 01422 0122
5/16	8.70	15.16	1.37	15.50	8.50	NBS100870 01516 0137
3/8	10.30	17.52	1.37	17.80	10.20	NBS101030 01752 0137
3/8	10.37	15.88	2.00	16.01	9.53	NBS101037 01588 0200
40	11.26	18.36	2.00	18.49	10.16	NBS101126 01836 0200

Thread dia. BSP	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D 0.2	O.D 0.2	Thickness "t"			
7/16	11.90	19.53	1.90	19.80	11.70	NBS101190 01953 0190
1/2	13.70	22.30	1.90	22.50	13.50	NBS101370 02230 0190
1/2	13.74	20.57	2.00	20.70	12.70	NBS101374 02057 0200
9/16	14.86	22.23	2.00	22.36	14.28	NBS101486 02223 0200
9/16	15.30	24.68	1.90	25.00	15.00	NBS101530 02468 0190
60	15.83	22.23	2.00	22.35	15.23	NBS101583 02223 0200
5/8	16.90	27.05	1.90	27.30	16.40	NBS11690 02705 0190
3/8	17.28	23.80	2.00	23.93	16.64	NBS101728 02380 0200
11/16	18.16	25.40	2.34	25.53	17.46	NBS101816 02540 0234
11/16	18.50	29.43	2.28	29.70	18.20	NBS101850 02493 0228
3/4	19.69	26.92	2.34	27.05	19.05	NBS101969 02692 0234
3/4	20.30	32.23	2.28	32.50	20.00	NBS102030 03223 0228
13/16	21.54	28.58	2.34	28.70	20.64	NBS102154 02858 0234
13/16	21.90	34.59	2.28	34.90	21.50	NBS102190 03459 0228
45145	23.49	31.75	2.34	31.88	22.23	NBS102349 03175 0234
15/16	24.26	33.27	2.34	33.40	23.80	NBS102426 03327 0234



Thread dia. BSP	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D 0.2	O.D 0.2	Thickness "t"			
1	26.70	42.13	2.28	42.40	26.50	NBS102670 04213 0228
1	27.05	34.93	2.34	35.06	25.41	NBS102705 03493 0234
1 1/16	27.82	38.61	2.34	38.74	27.00	NBS102782 03861 0234
1 1/8	29.33	36.58	2.34	36.71	28.57	NBS102933 03658 0234
1 1/8	29.80	46.91	2.28	47.30	29.50	NBS102980 04691 0228
1 3/16	30.81	38.10	2.34	38.23	30.15	NBS103081 03810 0234
1 ¼	32.64	41.40	3.25	41.53	31.74	NBS103264 04140 0325
1 1/4	33.00	51.28	3.40	51.40	32.80	NBS103300 05128 0340
1 5/16	33.89	42.80	2.34	42.93	33.33	NBS103389 04280 0234
1 5/16	33.89	42.80	3.25	42.93	33.33	NBS103389 04280 0325
1 3/8	35.94	44.45	3.25	44.58	34.92	NBS103594 04445 0325
1 ½	38.96	47.75	3.25	47.88	38.10	NBS103896 04775 0325
1 5/8	42.93	52.38	3.25	52.51	41.29	NBS104293 05238 0325
1 ¾	45.34	57.15	3.25	57.28	44.44	NBS104534 05715 0325
1 7/8	48.44	58.60	3.25	58.73	47.64	NBS104844 05860 0325

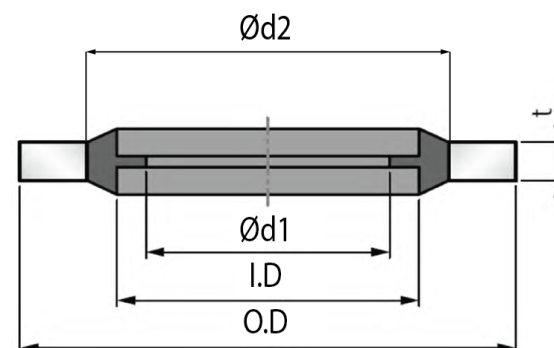
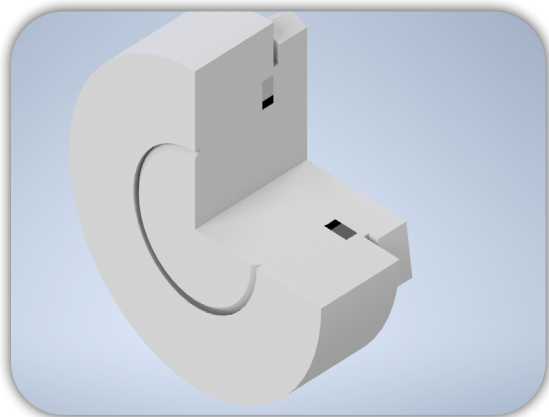
Thread dia. BSP	Dimensions			Recessed bolt holes "ØA"	Bore "ØB"	TRIADA® Part Numbers
	I.D 0.2	O.D 0.2	Thickness "t"			
2 1/8	54.89	69.85	3.25	69.98	53.99	NBS105489 06985 0325
2 ¼	58.04	70.36	3.25	70.49	57.14	NBS105804 07036 0325
2	60.58	73.03	3.25	73.16	59.62	NBS106058 07303 0325
2 ½	64.39	77.72	3.25	77.85	63.49	NBS106439 07772 0325
2 ¼	66.68	79.5	3.25	79.63	65.50	NBS106668 07950 0325
2 1/2	76.08	90.17	3.25	90.30	75.18	NBS107608 09017 0325



For BSP threads for Pipe connections & Couplings ISO 1179

Thread dia. BSP	Dimensions			Recessed bolt holes	TRIADA® Part Number
	I.D 0.2	O.D -0.2	Thickness “t”	“ØA”	
1/16	8.30	12.70	1.25	13.00	NBS100830 01270 0125
1/8	10.40	14.70	1.25	15.00	NBS101040 01470 0125
1/4	13.85	18.70	1.25	19.00	NBS101385 01870 0125
3/8	17.35	22.70	1.25	23.00	NBS101735 02270 0125
1/2	21.65	26.70	1.25	27.00	NBS102165 02670 0125
3/4	27.30	32.50	1.25	33.00	NBS102730 03250 0125
1	34.20	39.50	2.00	40.00	NBS103420 03950 0200
1 1/4	42.80	49.50	2.00	50.00	NBS104280 04950 0200
1 1/2	48.70	55.50	2.00	56.00	NBS104870 05550 0200
2	60.50	6.50	2.00	59.00	NBS106050 06850 0200

NBS2 Self Centering Metric & Inch Dimension range:



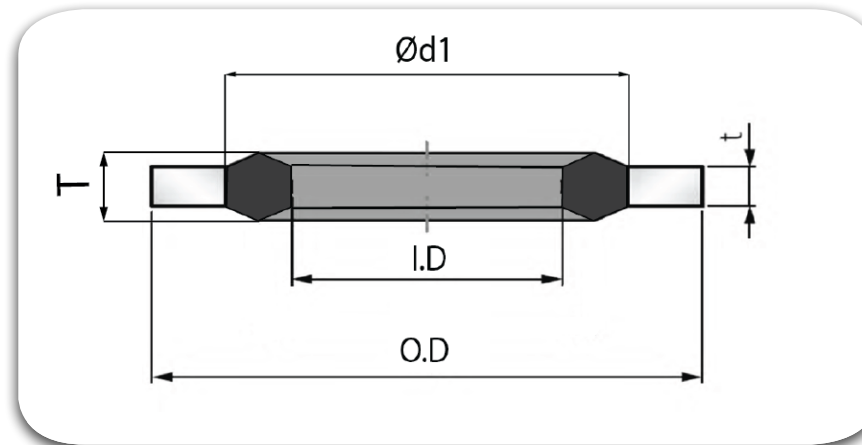
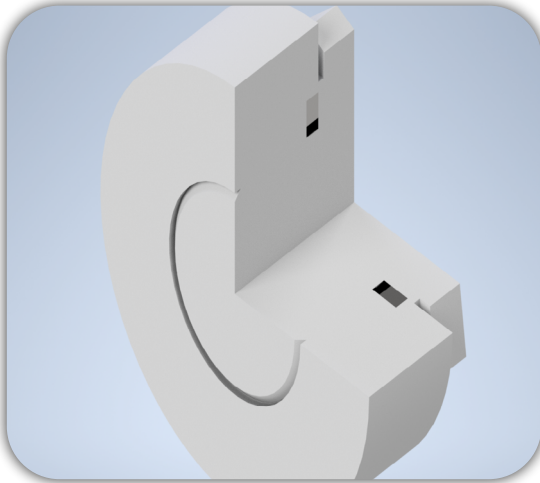
For Inch threads:

Inch Thread	Dimensions					TRIADA® Part Numbers
	O.D	Dia. "d2"	I.D	Dia. "d1"	Thickness "t"	
BSP 1/8	15.88	11.84	10.37	8.26	2.00	NBS201037 01588 0200
BSP 1/4	20.57	15.21	13.74	11.18	2.00	NBS201374 02057 0200
45143	25.40	18.75	16.51	12.90	2.00	NBS201651 02540 0200
BSP 3/8	23.80	18.75	17.28	14.76	2.00	NBS201728 02380 0200
42675	25.40	19.69	18.16	14.50	2.40	NBS201816 02540 0240
BSP 1/2	28.58	23.01	21.54	18.24	2.47	NBS202154 02858 0247
BSP 5/8	31.75	24.97	23.49	20.27	2.47	NBS202349 03175 0247
BSP 3/4	34.93	28.53	27.05	23.83	2.47	NBS202705 03493 0247
BSP 7/8	38.10	32.29	30.81	27.51	2.47	NBS203081 03810 0247
BSP 1	42.80	36.88	33.89	29.92	3.40	NBS203389 04280 0340
BSP 1 1/4	52.38	45.93	42.93	38.45	3.40	NBS204293 05238 0340
BSP 1 1/2	58.60	51.39	48.44	44.45	3.40	NBS204844 05860 0340
BSP 1 3/4	69.85	58.30	54.89	50.42	3.40	NBS205489 06985 0340
BSP 2	73.03	63.63	60.58	56.26	3.40	NBS206058 07303 0340
BSP 2 1/4	79.50	69.98	66.68	62.36	3.40	NBS206668 07950 0340
BSP 2 1/2	90.17	79.38	76.08	71.50	3.40	NBS207608 09017 0340

For Metric threads:

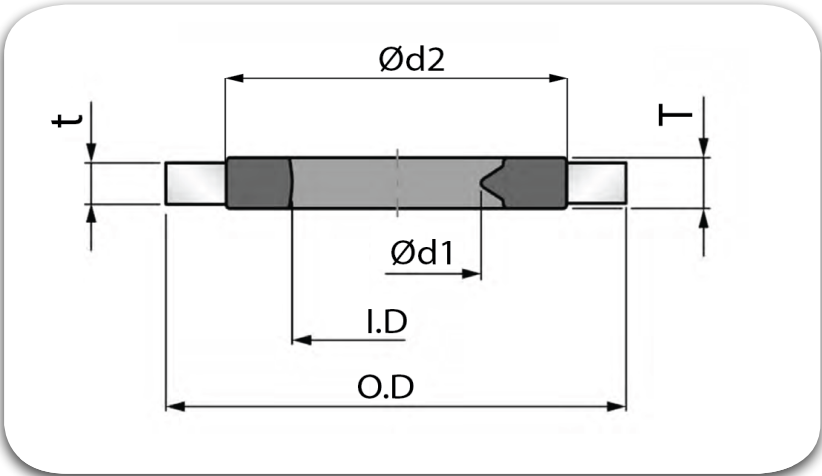
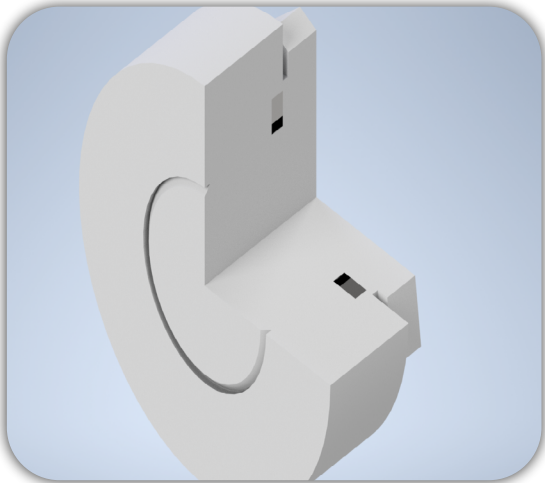
Metric Thread	Dimensions				Bore	TRIADA® Part Numbers
	I.D	Dia. "d2"	I.D	Dia. "d1"	Thickness "t"	
M6	10.00	8.00	6.70	5.60	1.00	NBS200670 01000 0100
M8	14.00	10.40	8.70	6.40	1.00	NBS200870 01400 0100
M10	16.00	12.40	10.70	8.05	1.50	NBS201070 01600 0150
M12	19.00	14.10	12.70	9.73	1.50	NBS201270 01900 0150
M14	22.00	16.40	14.70	11.38	1.50	NBS201470 02200 0150
M16	24.00	18.40	16.70	13.41	1.50	NBS201670 02400 0150
M18	26.00	20.40	18.70	14.76	1.50	NBS201870 02600 0150
M20	28.00	22.50	20.70	16.76	1.50	NBS202070 02800 0150
M22	30.00	24.40	22.70	18.74	2.00	NBS202270 03000 0150
M24	32.00	26.40	24.70	20.11	2.00	NBS202470 03200 0150

NBS3 Bonded Seal Metric Dimension range:



Metric Thread	Ø O.D	Tol. ±	Ø d1	Ø I.D	Tol. ±	Thick-ness "T"	Tol. ±	Thick-ness "t"	Tol. ±	Clearance Bore Max. Ø	TRIADA® Part Numbers
M3	5.90	0.20	4.50	3.00	0.20	1.40	0.20	1.00	0.15	3.60	NBS300300 00590 0100
M4	7.90	0.20	6.00	4.00	0.20	1.50	0.20	1.00	0.15	4.50	NBS300400 00790 0100
M5	8.90	0.20	6.40	5.00	0.20	1.50	0.20	1.00	0.15	5.50	NBS300500 00890 0100
M6	9.90	0.20	8.00	6.00	0.20	1.50	0.20	1.00	0.15	6.60	NBS300600 00990 0100
M8	13.90	0.20	11.00	8.00	0.20	2.00	0.20	1.00	0.15	9.00	NBS300800 01390 0100
M10	16.90	0.35	13.00	10.00	0.25	2.50	0.20	1.50	0.15	11.00	NBS301000 01690 0150
M12	18.90	0.35	16.00	12.00	0.25	2.50	0.20	1.50	0.15	14.00	NBS301200 01890 0150
M14	21.90	0.35	18.00	14.00	0.25	2.50	0.20	1.50	0.15	16.00	NBS301400 02190 0150
M16	23.90	0.35	20.00	16.00	0.25	2.50	0.20	1.50	0.15	18.00	NBS301600 02390 0150
M18	26.90	0.40	22.00	18.00	0.35	3.00	0.20	2.00	0.15	20.00	NBS301800 02690 0200
M20	29.90	0.40	25.00	20.00	0.35	3.00	0.20	2.00	0.15	22.00	NBS302000 02990 0200
M22	31.90	0.40	27.00	22.00	0.35	3.00	0.20	2.00	0.15	24.00	NBS302200 03190 0200
M24	35.90	0.40	29.00	24.00	0.35	3.00	0.20	2.00	0.15	26.00	NBS302400 03590 0200

NBS4 Bonded Seal Metric Dimension range:



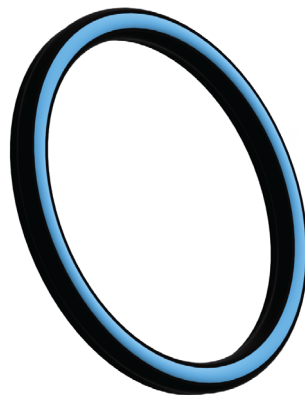
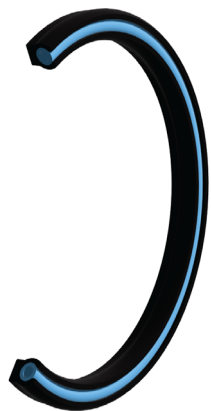
Metric Thread	O.D	Tol. $\pm$	$\varnothing$ "d2"	I.D	Tol. $\pm$	Thickness "T"	Tol. $\pm$	Thickness "t"	Tol. $\pm$	$\varnothing$ "d1"	bore max- $\varnothing$	pitch of thread	TRIADA® Part Numbers
M4	7.90	0.20	6.00	4.20	0.20	1.80	0.30	1.00	0.15	3.10	4.30	0.70	NBS400420 00790 0100
M5	8.90	0.20	6.40	5.20	0.20	1.80	0.30	1.00	0.15	4.00	5.30	0.80	NBS400520 00890 0100
M6	9.90	0.20	8.00	6.20	0.20	1.80	0.30	1.00	0.15	4.70	6.40	1.00	NBS400620 00990 0100
M8	13.90	0.20	11.00	8.20	0.20	2.50	0.30	1.50	0.15	6.40	8.40	1.25	NBS400820 01390 0150
M10	16.90	0.35	13.00	10.20	0.25	2.50	0.30	1.50	0.15	8.10	10.50	1.50	NBS401020 01690 0150
M12	18.90	0.35	15.00	12.20	0.25	2.50	0.30	1.50	0.15	9.80	13.00	1.75	NBS401220 01890 0150
M14	21.90	0.35	18.00	14.20	0.25	3.00	0.30	2.00	0.15	11.50	15.00	2.00	NBS401420 02190 0200
M16	23.90	0.35	20.00	16.20	0.25	3.50	0.30	2.50	0.15	13.50	17.00	2.00	NBS401620 02390 0250
M18	26.90	0.40	22.00	18.20	0.35	3.50	0.30	2.50	0.15	14.80	19.00	2.50	NBS401820 02690 0250
M20	29.90	0.40	25.00	20.20	0.35	3.70	0.30	2.50	0.15	16.80	21.00	2.50	NBS402020 02990 0250
M22	31.90	0.40	27.00	22.20	0.35	3.70	0.30	2.50	0.15	8.80	23.00	2.50	NBS402220 03190 0250
M24	35.90	0.40	29.00	24.20	0.35	4.20	0.30	3.00	0.15	20.20	25.00	3.00	NBS402420 03590 0300



Static Seals PUO & RUO



#SealingExcellence



Description

PUO & RUO are the seals used for axial applications or face sealing applications where there is a high pressure, PUO is used for external sealing and RUO is used for internal sealing. The seal material is of Virgin PTFE with a (stainless steel) helical spring energizer. These seals are also used to seal the medium like gas, vacuum, low temperature flanges and many more.



Diameter Range

Ø3.00 – Ø2500



Standard material

Virgin PTFE (TRIALON® T401) is the standard compound for the Sealing Element with the Spring Energizer in Stainless Steel (S).



Temperature(°C)

-100°C to 260°C



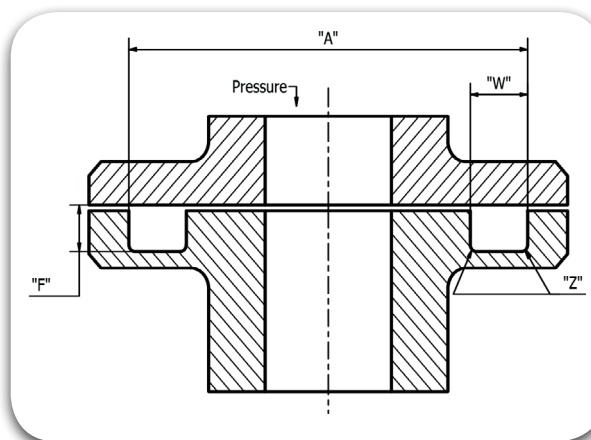
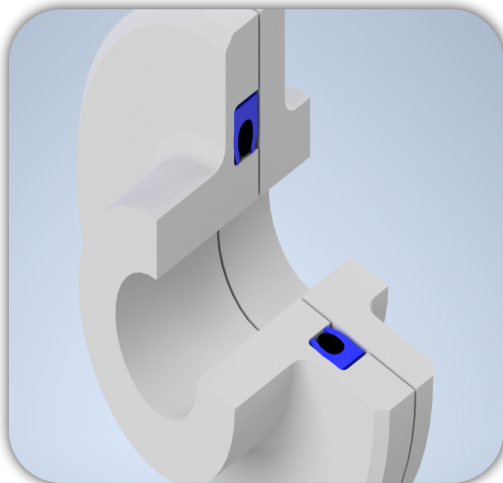
Fluids

Hydraulic fluids (Mineral Oil based).



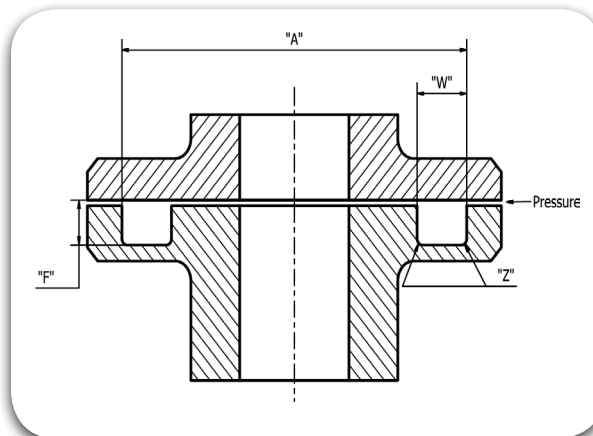
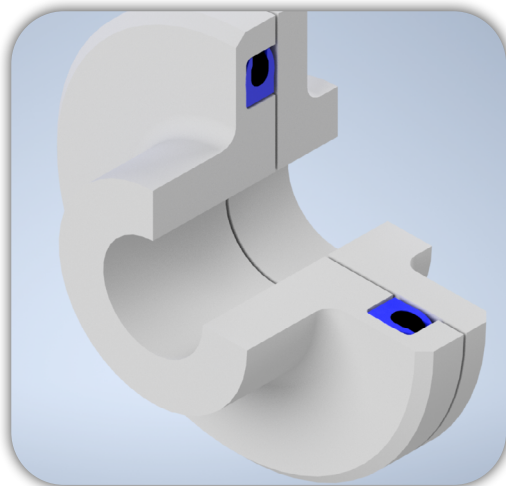
Pressure

< 800 bar



Nomenclature						
Part No	RUO	12500	0950	0610	T401	S
Seal profile		Groove OD x 10	Groove Dia x 10	Groove Width x 10	Seal Material Code	Spring Material Code

Groove dimensions for RUO						
Sl. No.	Groove Outside Diameter		Groove Width "W" min.	Groove depth		Radius "Z"
	Standard Range Ø "A"	Extended Range Ø "A"		F	Tol.	
1	10.00 - 13.90	10.00 - 40.00	2.40	1.45	0.03	0.40
2	14.00 - 24.90	13.00 - 200.00	3.60	2.25	0.05	0.40
3	25.00 - 45.90	18.00 - 400.00	4.80	3.10	0.08	0.60
4	46.00 - 124.90	28.00 - 700.00	7.10	4.70	0.10	0.80



Nomenclature

Part No	PUO	12500	0950	0610	T401	S
Seal profile		Groove OD x 10	Groove Dia x 10	Groove Width x 10	Seal Material Code	Spring Material Code

Groove dimensions for PUO

Sl. No.	Groove Outside Diameter		Groove Width "W" min.	Groove depth		Radius "Z"
	Standard Range Ø "A"	Extended Range Ø "A"		F	Tol.	
1	3.00 - 9.90	3.00 - 40.00	2.40	1.45	+0.03	0.40
2	10.00 - 19.90	8.00 - 200.00	3.60	2.25	+0.05	0.40
3	20.00 - 39.90	12.00 - 400.00	4.80	3.10	+0.08	0.60
4	40.00 - 119.90	20.00 - 700.00	7.10	4.70	+0.1	0.80
5	120.00 - 999.900	35.00 - 1000.00	9.50	6.10	+0.15	0.80

Storage Guidelines

Storage life is the maximum period of time, clocked from the date of manufacture, that an elastomeric component, packed appropriately, may be stored under specific condition, beyond which it is regarded as unserviceable, for the intended purpose it was originally manufactured. The cure date shall be taken as the basis for the thermo-set elastomers and for thermoplastic elastomers, the date of manufacturing of the finished product shall be the basis. Shelf life or storage life shall be different for each compound, even when they are stored under specified conditions. Mostly, longer storage periods are considered for the 10 or 20-year categories of compounds, provided the components are appropriately stored and recommended periodic checks are performed. In general, Polyethylene (PE) bags (UV protected shall be an added advantage) stored in cardboard boxes or PE lined kraft paper bags can insure a decent storage life.

Over the years, the advancements in compounding techniques have helped in improving the storage life of relatively age-sensitive elastomers, even in normal warehousing atmosphere. It has been clearly demonstrated and evident that the storage conditions is the single most critical aspect in determining the useful life of elastomer products, than is the time.

Following parameters/criteria shall assist in ensuring a proper storage condition, which are extracted from ISO 2230:2002 and may be referred for all applications other than related to Aerospace/Military. For Aerospace/ Military, one may refer to SAE-ARP 5361 and MIL-HDBK-695C, for the storage conditions.

Temperature

Preferred storage temperature is below 25°C, away from direct sources of heat. As a thumb rule, it can be stated that a storage temperature 10°C higher than the specified 25°C, can reduce the storage life by at; out 50% and similarly, a storage temperature lower by 10°C from the suggested 25°C, can increase the storage life by about 100%!. In case the storage temperature has been lower than 15°C, there is a risk of distortion due to handling of possible stiffened products and in these cases, it is suggested to warm the products, may be to about 30°C or so.

Humidity

Relative humidity of the storage atmosphere should be less 70% in case of elastomers and less than 65%, in case of Polyurethanes. RH should be such that, given in the variations of storage temperatures, condensation should not occur.

Light

Elastomeric Seals should be protected from light sources, in particular direct sunlight or intense artificial light having an ultraviolet content. The individual storage bags offer the best protection as long as they are UV resistant. (Note: It is advisable that the windows of storage rooms where elastomers are stored in bulk be covered with a red or orange coating).

Radiation

Precautions shall be taken to protect stored articles from all sources of ionizing radiation likely to cause damage to stored articles.

Storage Guidelines

Ozone

As Ozone is particularly damaging to certain elastomeric seals, storage rooms shall not contain any equipment that is capable of generating ozone such as mercury vapor lamps, high voltage electrical equipment giving rise to electric sparks or silent electrical discharges.

Combustion gases and organic vapor shall be excluded from storage rooms as they may give rise to ozone via photochemical processes. bond to such an extent that the seal

Deformation

Elastomeric seals shall be stored free from superimposed tensile and compressive stresses or any other causes of deformation. Where articles are stored in strain-free condition, they shall be stored in their original packaging. O-Rings of large inside diameter shall be formed into at least three superimposed loops so as to avoid creasing or twisting. (Note: It is not possible to achieve this condition by forming just two loops, three are minimum required)

Contact with Liquid & Semi-Solid Materials

Certain Metals and their Alloys (in particular Copper. Manganese & Iron) are known to have deleterious effects on elastomers. Elastomeric Seals shall not be stored in contact with such metals (except when bonded to them), but shall be protected by individual packaging.

Contact with Dusting Powder

Dusting Powder shall be used only for packaging of elastomeric seals in order to prevent blocking or sticking. In such instances, the minimum quantity of powder to prevent adhesion shall be used.

Contact between different Elastomers

Contact between different elastomers and elastomers of different seals shall be avoided.

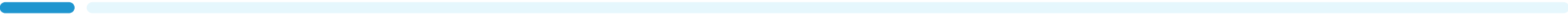
Elastomeric Seals bonded to Metal Parts

The metal parts of bonded seals shall not come in contact with the elastomeric element of another seal. Any presentative used on the metal shall be such that it will not affect the elastomeric element or the bond to such an extent that the seal will not comply with the product specification.

Stock Rotation

Elastomeric Seal stock shall be rotated in FIFO (First In First Out) method.

Storage Guidelines



Initial and Extension Storage Periods for Unassembled components following ISO 2230

Abbreviation	Chemical Name from ISO 1629	Common Name
<u>GROUP A - Initial Storage Period 5 Years, Extension Storage Period 2 Years</u>		
BR	Butadiene Rubber	Polybutadiene
NR	Isoprene Rubber, Natural	Natural Rubber
IR	Isoprene Rubber, Synthetic	Polyisoprene
SBR	Styrene-Butadiene Rubber	SBR
AU	Polyester Urethane Rubber	Polyurethane
EU	Polyether Urethane Rubber	Polyurethane
<u>GROUP B - Initial Storage Period 7 Years, Extension Storage Period 3 Years</u>		
NBR	Acrylonitrile-Butadiene Rubber	Nitrile
XNBR	Carboxylic-Acrylonitrile-Butadiene Rubber	Carboxylated Rubber
HNBR	Hydrogenated NBR (with some unsaturation)	Hydrogenated Nitrile
CO, ECO	Polychloromethyloxiran and Copolymer	Epichlorohydrin
ACM	Copolymer of Ethylacrylate and small amount of Monomer	Acrylic
CR	Chloroprene Rubber	Neoprene
IIR	Isobutene-Isoprene Rubber	Butyl
BIIR	Bromo-Isobutene-Isoprene Rubber	Bromobutyl
CIIR	Chloro-Isobutene-Isoprene Rubber	Chlorobutyl
<u>GROUP C - Initial Storage Period 10 Years, Extension Storage Period 5 Years</u>		
CSM	Chlorosulfonylpolyethylene	Chlorosulfonated Polyethylene
EPDM	Terpolymer of Ethylene.Propylene and Diene (Residual Unsaturated Portion)	EPDM
FKM	Rubber having Fluoro, Perfluoroalkyl or Perfluoroalkoxy Substituent Groups	Fluorocarbon
VMQ	Silicone Rubber having both MEthyl and Vinyl Substituent Group	Silicone
<u>GROUP D - Storage Period is Unlimited</u>		
PTFE	Polytetrafluoroethylene	Teflon

Technical Proposal Request

Email: sales@triada.co.in

Note: Only information provided in this TPR will be considered for the recommended solution

Prepared By: _____
Date Prepared: _____
Answers Required By: _____

Application Engr: _____
Sales Engr: _____
Inside Sales: _____

TTIPL TPR _____
Cust. _____

CUSTOMER DETAILS

Customer No _____
Cust. Seg. Code _____

Name _____
Address _____

Contact _____
Phone _____
Mobile _____
Email _____

APPLICATION DESCRIPTION

Equipment: _____

Component: _____

Problem (if any): _____

Current Seal: _____

System Type

- ☐ Rod
☐ Piston
☐ System (rod+piston)
☐ Shaft
☐ Face

Product

- ☐ Seal
☐ Wiper
☐ Bearing
☐ Other

New Design ☐

Motion

- ☐ Static
☐ Reciprocating
☐ Rotary
☐ Oscillatory

Pressure

- ☐ Unidirectional
☐ Bi-directional
☐ Pulsating
☐ Without Pressure

Demand/Year: _____ Price: _____ @ _____ Pcs.
Quote Qty: _____ Target _____ @ _____ Pcs.

OPERATING CONDITIONS

Media to Seal: _____

Other Media: _____

Contamination: _____

	Units	Minimum	Operating	Maximum
Temperature	_____	_____	_____	_____
Pressure	_____	_____	_____	_____
V acuum	_____	_____	_____	_____
Stroke	_____	_____	_____	_____
Cycle-Rate	_____	_____	_____	_____
Angle of Rotation	_____	_____	_____	_____
RPM	_____	_____	_____	_____
V elocity	_____	_____	_____	_____
Side Load	_____	_____	_____	_____

PERFORMANCE PRIORITY

Most critical: _____

	Units	Value
Expected Life:	_____	_____
Max Leakage:	_____	_____

Planning Test? Yes ☐ No ☐

	Units	Breakout	Dynamic
Friction:	_____	_____	_____
Torque:	_____	_____	_____

HARDWARE

Units ☐ Inch ☐ Metric
Nominal Tolerance Change

Rod Diameter:			☐
Bore Diameter:			☐
Rod Bore:			☐
Piston Diameter:			☐
Gland/Groove Width:			☐
Gland Depth:			☐
Groove Diameter:			☐
Extrusion Gap:			☐
Runout (TIR):			☐
Step Height:			☐
Bearing length:			☐

Type ☐ Split ☐ Open ☐ Solid ☐ Stepped ☐ Recommend
Material Finish Hardness Coating/Treatment

Notes:

Solution Proposed to Customer by TTipl:

MIL-G-5514 Dash: AS 4716 Dash: B/U Width:

Required: ☐ Installation Dwg ☐ Inspection Dwg ☐ Quote
☐ OtherPrototype Qty:
Production Qty:
Date Proto's

SPECIFICATIONS

Automatic installation? Explain details	No ☐ Yes ☐
Existing Customer spec?	No ☐ Yes ☐
Existing Customer product drawing?	No ☐ Yes ☐
Existing Customer material spec?	No ☐ Yes ☐

Spec.
Ref.
Ref.
Ref.

Other requirements if any :

QUALITY CHARACTERISTICS

Inspection level

According to TTipl Specification: ☐
Special Request: ☐(e.g. for O Ring, AQL1.0 for surface defects
acc. ISO 3601/3 grade N)

Existing inspection plan, if any?	No ☐ Yes ☐
Certificate required? If yes, specify	No ☐ Yes ☐
Additional Quality guidelines?	No ☐ Yes ☐

Ref.
Ref.
Ref.

ENCLOSURES

Pages – specifications
DrawingsSamples
Others

ADDITIONAL INFORMATION

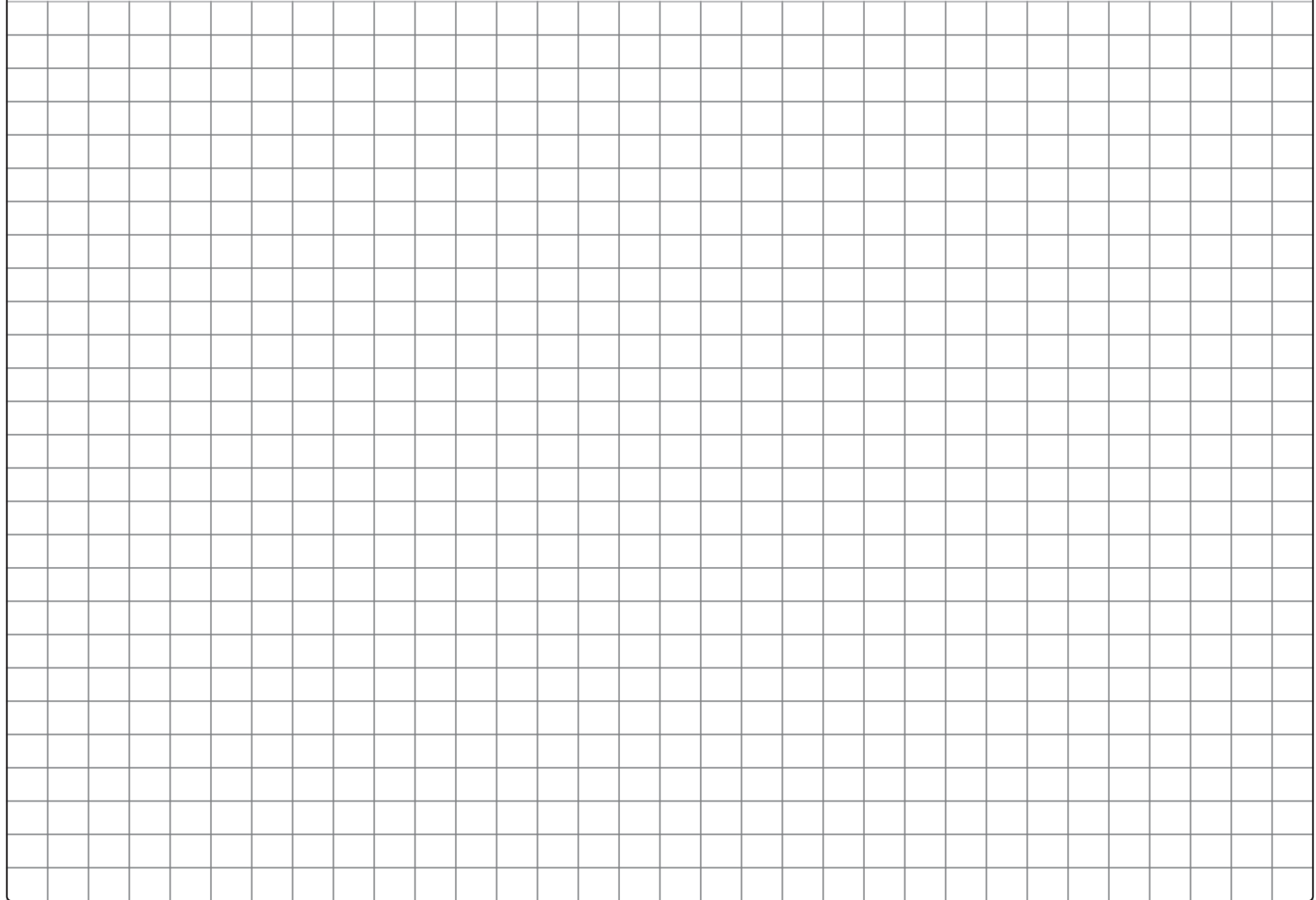
Referring to:

Service Performance (friction, leakage, shelf life, ext/int pollution, etc.):

Use (frequency, cycles, exposure time, etc.)

Logistic / Packaging (any special packaging requirements?):

Sketch/Drawing:





Triada Sealing Guide

#Sealingexcellence

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