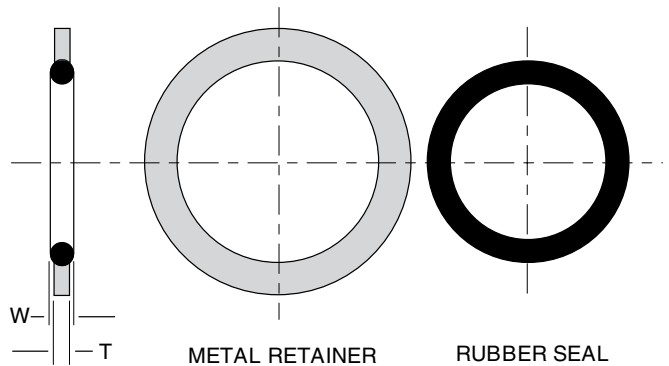


800 Series Lock-O-Seals

The 800 Series Lock-O-Seal is a two piece combination seal comprised of a separately molded O-ring fitted within a surrounding metal washer. These Lock-O-Seals are intended to seal beneath the head of a fastener. Lock-O-Seals are recommended for use instead of 600 series Stat-O-Seals under the following circumstances:

- (1) To seal bolts, studs, or other fasteners in the small and miniature sizes –specifically #2, #4 and #5
- (2) The elastomer, retainer material or combination of both is not offered as a 600 Series Stat-O-Seal



800 Series Lock-O-Seal Dimensions								
Fastener Size	Rubber Seal		Metal Retainer		Tolerance	T Thickness	Tolerance	Diametrical Clearance (Ref.)
	I.D.	W Thickness	I.D.	O.D.				
2	.078	.030	.136	.250	±.010	.024	±.003	1/64 Max.
4	.100	.038	.171	.312		.027		1/64 Max.
5	.116	.038	.187	.312		.027		1/64 Max.
6	.128	.050	.224	.375		.040		1/64 to 1/32
8	.154	.050	.250	.375		.040		1/64 Max.
10	.176	.050	.274	.438		.040		1/64 to 1/32
10 O/S	.176	.066	.312	.438		.050		
1/4	.239	.051	.333	.500		.040		
1/4 O/S	.239	.070	.375	.531		.050		
5/16	.301	.070	.437	.593		.050		
3/8	.364	.070	.500	.687		.050	±.003	
7/16	.425	.070	.562	.750		.050	±.004	
1/2	.489	.070	.625	.875		.050		
9/16	.550	.070	.687	1.062		.050		
5/8	.612	.070	.750	1.188		.050		
11/16	.676	.070	.812	1.250		.050		
3/4	.737	.103	.947	1.312		.075		
13/16	.799	.103	1.010	1.406		.075		
7/8	.862	.103	1.073	1.500		.075		
15/16	.924	.103	1.137	1.625		.075		
1	.987	.103	1.198	1.750		.075		
1 1/16	1.049	.103	1.260	1.812		.075		
1 1/8	1.112	.103	1.323	1.875		.075		
1 1/4	1.237	.103	1.443	2.000		.075		
1 5/16	1.299	.103	1.510	2.062		.075		
1 3/8	1.362	.103	1.572	2.125		.075		
1 7/16	1.424	.103	1.635	2.188	±.010	.075		
1 1/2	1.487	.103	1.699	2.250	±.015	.075		
1 5/8	1.612	.103	1.827	2.375		.075		
1 3/4	1.737	.103	1.947	2.500		.075		
1 7/8	1.862	.103	2.073	2.625	±.015	.075	±.004	1/64 to 1/32

Notes:

- Refer to the Parker O-Ring Handbook (ORD 5700) for O-ring shrinkage factors and tolerances.
- A chamfer with an outside diameter equal to that of the recommended diametrical clearance may be used.

800-XX XX - X

Code	Seal Compound	Specification	Recommended Uses	Recommended Operating Temp.	Code	Retainer Material	Finish	Size (dash number)
00	Commercial Standard Nitrile	None General Purpose	General industrial environments, petroleum fluids and cold/room temperature water	-40°F to +225°F	02	Low-Carbon Steel, ASTM A109/A109M	Zinc Plated Per ASTM B633 Type I	2
01	N406-60 Nitrile	SAE AMS-R-6855, CL 1 or 2, Grade 60 (*1)	General industrial environments, petroleum fluids and cold/room temperature water	-40°F to +225°F	01	Low-Carbon Steel, ASTM A109	Cadmium Plated Per SAE AMS-QQ-P-416 Ty. II, CL.2, Gold	4
02	N304-75 Nitrile	SAE AMS-P-25732	Jet fuel, low temperature applications, petroleum fluids and cold/room temperature water	-65°F to +225°F	15	7075-T6 Aluminum SAE AMS-QQ-A-250/12	Anodize Per MIL-A-8625, Type II, Class I	5
04	47-071 Nitrile	SAE AMS-R-7362, Type 1 or 2 Grade 60 (*1)	MIL-PRF-7808 Synthetic engine oil	-60°F to +180°F	30	302/304 Stainless Steel, SAE AMS5513	Passivate Per SAE AMS-QQ-P-35	6
05	N602-70 Nitrile	SAE AMS-P-5315	General industrial environments, petroleum fluids and cold/room temperature water	-70°F to +180°F	42	4130 Chrome Molybdenum Steel, SAE-AMS6350, Heat Treated to 125,000 psi min tensile strength	Cadmium Plated Per SAE AMS-QQ-P-416 Type II, Dyed Black, Class 2	8
06	S604-70 Silicone	SAE AMS3304	Air, weathering and gases	-65°F to +400°F	43	4130 Chrome Molybdenum Steel, SAE-AMS6350, Heat Treated to 125,000 psi min tensile strength	Zinc Plated Per ASTM B633 Type II, Dyed Black	10
32	V747-75 Fluorocarbon	ASTM D2000 M2HK710 A1-10 (MIL-R-83248 Type I, CL I-Cancelled)	Air, petroleum fluids, hydrocarbons, silicone fluids, many acids, and vacuum applications	-15°F to +400°F				10 O/S
35	V1164-75 Fluorocarbon	AMS 7276	Air, petroleum fluids, hydrocarbons, silicone fluids, many acids, and vacuum applications	-15°F to +400°F				1/4
50	E1267-80	NAS 1613	Water, steam, ozone and weather resistant, automotive brake fluid, Skydrol, phosphate esters	-70°F to +250°F				1/4 O/S
65	L1223-60 Fluorosilicone	SAE AMS-R-25988, Type I, Class 1, Grade 60	Petroleum fluids, silicone fluids, silicate esters	-85°F to +350°F				5/16
83	E515-80 Ethylene Propylene	Commercial	Water, steam, ozone and weather resistant, automotive brake fluid, Skydrol, phosphate esters	-65°F to +250°F				3/8
09	Special Compound:	Add Parker Compound Number to end of part number to complete call out						

Notes:

- *1: Compound meets both the Class 1 and Class 2 requirements. Certs will be issued to Class 1 unless Class 2 is specifically requested.
- 2: For more detailed compound information, see the Parker O-Ring Handbook (ORD 5700).

	= Standard: General application
	= Non-Standard
	= Special: Consult factory prior to ordering

Example Part Numbers:

800-0002-1/2 = Commercial Standard Nitrile, Steel-Zinc Plated, Size 1/2
 800-0902-1/2 V720-75 = Parker V720-75 Elastomer, Steel-Zinc Plated, Size 1/2

