

Cat O-Rings

Cat O-Rings - Deliver Long, Leak-Free Performance



Prevent fluid contamination and deliver long, leak-free performance

- Meet or exceed SAE standards
- Specifically matched to your Cat system's different fluid types, temperatures, and pressures
- Provide superior resistance to compression set
- Feature special dimensional tolerances and O-ring coatings for improved installation and performance
- Marked with the Cat logo and part number for easy identification and protection against counterfeit seals
- Available in time- and money-saving kits

Ten O-Ring Tips

- Keep O-rings packaged until installation.
- Don't store O-rings near heat.
- Protect O-rings from UV rays.
- Remove old O-rings with brass or plastic picks to prevent groove damage.
- Don't reuse O-rings.
- Clean the seal groove before installation.
- Don't soak O-rings.
- Don't twist or cut O-rings during installation.
- Don't select O-rings based on material color. There is no universal color standard.
- Maintain your cooling system. High fluid temperatures are the number-one cause of shortened seal life.

O-Ring Seal Kits

Seal Application Chart

Material Type	Typical Duro A Hardness ⁽⁷⁾	Operating Temperature Range ⁽⁸⁾	Air	Engine Oils	Diesel Fuel	Coolant	Hydraulic Oil / Automatic Transmission Fluid	Biodiesel
Nitrile (NBR)	75, 90	-40°C to 100°C (-40°F to 212°F)	✓	✓	✓	✓	✓	
HNBR	78, 90	-40°C to 115°C (-40°F to 239°F)	✓	✓	✓	✓ ⁽⁹⁾	✓	✓
EPDM	70	-55°C to 121°C (-67°F to 250°F)	✓			✓		
Silicone	70	-55°C to 150°C (-67°F to 302°F)	✓	✓				
Fluoroelastomer (FKM)	75, 90	-40°C to 175°C (-40°F to 347°F)	✓	✓	✓		✓	✓

Nitrile	<p>This material has good abrasion and cut resistance.</p> <p>Compatible With:⁽⁹⁾ air, ethylene glycol, petroleum based fluids (e.g. engine oil, hydraulic oil), diesel fuel, silicone fluids, greases, water, water based coolants, urea, transmission fluids</p> <p>Not Compatible With: brake fluids, high levels of ozone, biodiesel fuel</p>
HNBR	<p>HNBR provides excellent abrasion and cut resistance. It works well with Air, Engine Oil, Diesel Fuel, Hydraulic Oil and Automatic Transmission Fluid applications.</p> <p>Compatible With: diesel fuels, petroleum based fluids (e.g. engine oil, hydraulic oil), greases, transmission fluids, silicone fluids, steam, water based coolants⁽⁹⁾, urea⁽⁹⁾</p> <p>Not Compatible With: brake fluids, chlorinated hydrocarbons</p>
EPDM	<p>This material has good abrasion and cut resistance.</p> <p>Compatible With: water, water based coolants, urea, alcohols, silicone fluids, steam (200°C max), air, ozone</p> <p>Not Compatible With: petroleum based fluids (e.g. engine oil, hydraulic oil), hydrocarbons (e.g. diesel fuel, biodiesel fuel), transmission fluids, brake fluids</p>
Silicone	<p>This material performs well in a wide range of temperatures - from extremely low to very high. It has limited strength and abrasion/cut resistance. Recommended for low pressure applications.</p> <p>Compatible With: air, ethylene glycol, high aniline point oil⁽⁹⁾, ozone</p> <p>Not Compatible With: organic solvents, petroleum based fluids (e.g. engine oil, hydraulic oil), hydrocarbons (e.g. diesel fuel, biodiesel fuel), low aniline point oil, steam, hot water, water based coolants, transmission fluids, urea</p>
FKM	<p>This material provides superior performance in most applications, and is highly resistant to compression set. It is effective at high temperatures, and has good abrasion and cut resistance.</p> <p>Compatible With: petroleum based fluids (e.g. engine oil, hydraulic oil), hydrocarbons (e.g. diesel fuel, biodiesel fuel), silicone fluids, air</p> <p>Not Compatible With: amines, brake fluids, water based coolants, fire resistant fluids, steam, water</p>

- 7 Material hardness can vary depending on the part number. Typically 75A materials are for applications where pressure < 1500 psi and 90A materials are for applications where pressure is >1500 psi.
- 8 Temperature limits are general and can vary by specific material. Repeated or constant exposure to temperatures higher than the normal operating range can drastically reduce seal life, resulting in premature leakage.
- 9 Compatibility is dependent on the specific type of material. Contact dealer support for additional information.

Cat O-Rings

SAE AS568 Standard O-rings

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
1.78	2.57	5	–	–	8C-3095	–	–	–	–
1.78	2.9	6	6H-9691	–	9N-1749	–	–	–	–
1.78	3.68	7	3H-0442	–	–	168-0268	–	150-4651	–
1.78	4.47	8	8F-7219	6V-5722	–	–	8M-8468	–	–
1.78	5.28	9	8F-9538	3G-1209	192-7117	107-3116	8M-5250	–	–
1.78	6.07	10	2D-6392	6V-5586	9N-1756	–	3L-6768	–	–
1.78	7.65	11	5F-9144	–	061-7538	–	–	9X-7380	–
1.78	7.67	11	–	4J-5477	–	228-7088	–	–	121-4345
1.78	9.25	12	1H-1023	–	464-0509	–	5H-8853	–	6D-7128
1.78	9.27	12	–	6V-8397	–	228-7089	–	–	–
1.78	10.82	13	6M-5062	095-1750	317-0808	9X-7409	–	9X-7381	–
1.78	12.42	14	4K-2039	–	033-6033	–	–	9X-7408	180-8424
1.78	12.47	14	–	6V-8398	–	228-7090	–	–	–

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
1.78	14	15	5L-4758	095-1751	149-2091	033-6043	5P-6620	9X-7382	–
1.78	15.6	16	4D-2297	–	8L-2746	9X-7737	–	–	6V-5138
1.78	17.17	17	1S-8947	6V-8399	2P-2975	135-2652	–	9X-7383	–
1.78	18.77	18	8M-8997	9X-7454	5P-9757	9X-7681	–	–	250-2343
1.78	20.35	19	–	6V-6580	221-9941	5E-9816	–	–	–
1.78	21.95	20	030-4605	8J-2413	221-9937	–	–	–	–
1.78	23.52	21	8C-3098	–	501-9547	8C-3093	–	–	–
1.78	25.12	22	5L-4759	–	231-2317	310-7258	–	–	–
1.78	26.7	23	077-3241	005-8592	033-6032	136-3377	–	9X-7384	–
1.78	28.3	24	003-8137	4K-4986	5P-5600	–	–	–	–
1.78	29.87	25	6V-0894	–	9X-7734	–	5P-6436	–	–
1.78	30.01	25	–	6V-8400	–	228-7094	–	–	–
1.78	31.47	26	8F-0212	–	179-8128	310-7255	–	–	–
1.78	33.05	27	5D-6539	8T-4827	5P-5601	–	–	–	–
1.78	34.65	28	5D-6543	5K-5221	5P-9658	–	5P-4932	–	–
1.78	37.82	29	–	187-9630	7X-4782	–	–	–	–
1.78	37.98	29	–	8T-0315	–	228-7095	–	–	–
1.78	41	30	3J-9015	5K-6526	–	–	–	–	–
1.78	44.17	31	3P-1979	5K-0227	5E-8767	–	–	–	–
1.78	47.35	32	–	5K-0216	5E-8768	–	5P-8907	–	–
1.78	50.52	33	6V-0895	–	180-3927	–	–	–	–
1.78	53.7	34	–	–	151-8670	–	3P-5859	–	–
1.78	56.87	35	219-1897	–	–	–	–	–	–
1.78	60.05	36	077-5843	095-1753	–	–	–	–	–
1.78	63.22	37	–	–	7X-4745	–	3P-0815	–	–
1.78	66.4	38	–	–	247-6020	–	–	–	–
1.78	69.57	39	–	–	247-6019	–	2P-5820	–	–
1.78	72.75	40	–	9J-5686	–	–	–	–	–
1.78	75.92	41	–	–	6V-3865	–	–	–	–
1.78	82.27	42	5P-2931	–	6V-5778	–	–	–	–
1.78	88.6	43	–	–	8T-6717	–	–	–	8T-2944
1.78	88.62	43	5P-3881	–	–	–	–	–	–
1.78	94.97	44	7X-9372	–	5E-8769	–	201-9933	–	–
1.78	101.32	45	7X-5494	–	6V-1320	–	8T-2572	–	–
1.78	107.67	46	–	9X-7357	–	–	–	–	–
1.78	120.37	48	8C-5237	–	–	–	199-9240	–	–
1.78	126.72	49	–	–	3E-6799	–	–	–	–
1.78	133.07	50	–	–	6V-1934	–	–	–	–
2.62	4.42	106	–	8J-1699	–	–	–	–	–
2.62	5.23	107	8B-7216	5P-4933	–	–	–	–	–

Cat O-Rings

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
2.62	6.02	108	196-1804	5P-5874	9X-7676	--	--	--	235-5678
2.62	7.59	109	4J-2506	6J-3134	032-8970	--	--	--	--
2.62	9.19	110	6F-5559	4J-5309	330-8196	107-3118	8M-8157	--	--
2.62	10.77	111	5H-6005	4J-9535	8L-2777	109-3204	8M-5127	--	--
2.62	12.37	112	8F-9206	7Y-5219	269-7852	126-7524	8M-5251	--	--
2.62	13.94	113	6F-4855	4J-5268	228-4947	6V-8350	8M-4437	203-3940	--
2.62	15.54	114	8F-3469	5J-2974	112-3102	107-3117	8M-5260	118-5068	--
2.62	17.12	115	6F-6672	4J-5351	323-7347	6V-8351	8M-4438	--	--
2.62	18.72	116	7F-8607	6V-3922	7L-9061	109-3203	8M-5253	--	--
2.62	20.3	117	4M-8303	5P-3108	5P-9186	033-6041	8M-4389	--	--
2.62	21.89	118	9H-6761	361-3549	5P-8356	3E-6786	8M-8283	--	--
2.62	23.47	119	4D-9986	6V-5326	330-8197	6V-8352	9X-4609	--	--
2.62	25.07	120	3D-4245	6V-5556	361-8205	6V-6339	1S-7462	--	--
2.62	26.64	121	3D-2992	7E-4846	6V-6228	114-8718	8M-4431	--	205-4831
2.62	28.24	122	2K-8199	099-8232	5P-7530	6V-4591	8M-8514	--	--
2.62	29.82	123	3S-9233	6V-8978	7X-4744	--	8M-1112	--	243-2646
2.62	31.42	124	2S-4663	096-3044	9X-3979	9X-7722	--	--	297-4854
2.62	32.99	125	2K-8198	6V-8218	250-0466	230-3728	8M-8515	--	--
2.62	34.59	126	5M-2057	096-6100	6V-4367	166-2903	--	--	355-1596
2.62	36.17	127	6J-2419	6V-5393	5P-8065	245-4907	--	107-9570	--
2.62	37.77	128	4D-3107	6V-5391	210-9246	6V-7323	6F-0249	--	8T-5917
2.62	39.34	129	5P-8215	1R-5318	269-7847	6V-1250	--	--	--
2.62	40.94	130	9X-7684	6V-5597	3E-6788	--	--	219-7000	--
2.62	42.52	131	4L-7711	--	9X-7432	188-2199	--	--	--
2.62	44.12	132	2D-0598	5P-2568	330-8195	--	--	--	--
2.62	45.69	133	7D-9749	3E-6771	8C-3078	6E-5413	--	--	204-7844
2.62	47.29	134	032-9882	--	225-6948	--	--	--	--
2.62	48.9	135	3D-2898	--	6V-8676	--	--	--	--
2.62	50.47	136	8C-3080	321-5628	8C-3079	--	--	--	--
2.62	52.07	137	005-8593	--	--	6E-5412	--	--	--
2.62	53.64	138	3D-7805	--	272-2583	--	--	--	8C-5196
2.62	55.25	139	004-1963	--	6V-3832	135-2655	--	--	231-4708
2.62	56.82	140	--	7Y-5269	144-7338	--	--	144-7339	--
2.62	58.42	141	7J-2036	119-7843	5P-5756	--	3S-4489	--	--
2.62	59.99	142	8T-7000	--	009-2061	--	--	--	--
2.62	61.6	143	8S-0768	--	6D-7889	--	--	--	227-5903
2.62	63.17	144	8C-3081	--	009-2062	--	--	--	8T-2929
2.62	64.77	145	--	279-0169	5P-5757	--	5S-4548	--	--
2.62	66.34	146	5M-6509	131-3715	378-0746	--	--	--	--
2.62	67.94	147	107-4057	--	--	--	129-5701	--	--

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2.62	69.52	148	004-1964	–	360-2963	–	–	–	–
2.62	71.12	149	3K-4025	–	–	–	–	–	–
2.62	72.69	150	5P-0908	–	8C-5197	–	–	–	–
2.62	75.87	151	7R-8872	119-7844	5E-8770	–	–	–	–
2.62	82.22	152	5P-3863	5P-2569	8C-3089	6V-3551	–	–	–
2.62	88.57	153	6V-2483	–	6V-3834	136-3378	–	–	8T-6340
2.62	94.92	154	4F-4097	–	–	107-3119	–	185-3503	7X-4752
2.62	101.27	155	3K-0715	8T-5049	6D-7146	107-3120	–	–	–
2.62	107.62	156	–	1T-1068	–	133-6578	–	–	9X-7549
2.62	113.97	157	6S-3002	–	6V-7350	–	–	–	–
2.62	120.32	158	–	9X-7566	5E-8771	–	–	–	117-3036
2.62	126.67	159	7J-6285	323-2282	117-8801	–	–	–	9X-7697
2.62	133.02	160	2P-1692	–	–	–	–	–	–
2.62	139.37	161	5J-3886	117-7282	346-8576	–	–	–	–
2.62	145.72	162	1W-9312	9X-7358	346-8577	146-4263	–	–	–
2.62	152.07	163	5P-3864	–	9X-4576	–	–	–	–
2.62	158.42	164	8T-6404	–	9X-7286	–	–	–	–
2.62	164.8	165	–	9X-7391	–	–	–	–	4S-7762
2.62	171.12	166	9D-8042	–	–	–	–	–	–
2.62	177.47	167	5P-5397	–	311-0827	–	–	–	–
2.62	183.82	168	9X-7725	–	–	–	–	–	–
2.62	190.17	169	–	–	9X-7295	–	–	–	–
2.62	202.87	171	–	–	223-8512	9X-7410	7X-4799	–	–
2.62	209.22	172	162-9997	–	316-9962	–	–	–	–
2.62	215.57	173	161-4102	–	–	–	–	–	–
2.62	221.92	174	–	–	261-3307	–	–	–	–
2.62	234.62	176	–	–	107-3114	–	–	–	–
2.62	240.97	177	190-8501	–	–	–	–	–	–
2.62	247.32	178	–	–	154-8741	–	–	–	–
3.53	5.94	202	2H-5001	9J-6491	–	–	8M-8281	–	–
3.53	7.52	203	–	6V-5555	137-8101	–	–	–	–
3.53	9.12	204	2J-6274	6V-0913	7X-4805	6V-3548	–	–	–
3.53	10.69	205	–	–	119-9443	–	–	–	–
3.53	12.29	206	2M-4453	5P-6300	5P-0840	–	8M-4447	147-0182	–
3.53	13.87	207	3H-3385	–	125-1372	219-7001	8M-8282	–	–
3.53	15.47	208	2J-0157	6J-1038	5P-5598	–	8M-4448	–	8C-0504
3.53	17.04	209	–	–	5P-8119	–	–	–	–
3.53	18.64	210	5F-7054	4J-5140	130-0229	189-0193	8M-4435	169-7487	5P-3148
3.53	20.22	211	1H-8171	008-2103	061-7539	–	–	9X-7385	–
3.53	21.82	212	3H-0107	4J-8996	3P-1156	–	8M-4445	112-3132	–

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3.53	23.39	213	5H-2767	–	6V-3683	109-3207	8M-4446	–	–
3.53	24.99	214	5F-1678	4J-5267	3P-1155	109-3205	8M-4988	–	–
3.53	26.57	215	4F-8946	180-8722	451-1493	–	8M-4432	–	–
3.53	28.17	216	2H-3932	4J-8997	061-9458	279-2252	8M-5248	121-0145	227-2519
3.53	29.74	217	4F-9029	6V-0357	165-4854	–	8M-4433	–	–
3.53	31.34	218	6F-6673	4J-0519	5P-8210	–	8M-5254	–	–
3.53	32.92	219	4F-7391	4J-0520	295-5609	237-3800	8M-4987	437-4425	–
3.53	34.52	220	3H-1461	4J-0521	330-3517	215-3198	8M-5249	–	7L-4774
3.53	36.09	221	5F-9657	4J-8998	6V-5266	230-3775	1S-9799	–	–
3.53	37.69	222	4F-7952	4J-0522	061-7540	191-2962	8M-4986	118-7214	–
3.53	40.87	223	6F-0711	4J-5573	346-4897	194-9584	8M-4992	118-8586	226-3571
3.53	44.04	224	1H-9696	4J-0523	8J-4351	5P-1480	8M-4443	129-1653	8T-9588
3.53	47.22	225	7F-8267	4J-0524	061-9455	234-3544	8M-5661	–	–
3.53	50.39	226	5F-8000	4J-0525	5P-8211	–	8M-4436	–	384-9992
3.53	53.57	227	7F-8268	4J-0526	124-1858	8C-3077	8M-5010	–	–
3.53	56.74	228	8F-6711	4J-0527	447-7206	6V-4590	8M-4390	112-1577	8T-1703
3.53	59.92	229	175-7894	4J-0528	5P-4892	–	1S-2174	–	–
3.53	63.09	230	1H-5728	3P-0439	061-9457	–	8M-4395	–	–
3.53	66.27	231	8F-8882	3E-6730	6J-2244	–	8M-5252	118-8706	–
3.53	69.44	232	175-7895	6J-2680	425-2519	8T-0568	9M-7539	112-1574	167-4407
3.53	72.62	233	6H-3977	149-0231	6V-1179	–	–	–	–
3.53	75.79	234	175-7896	–	5P-4889	–	5M-3038	–	205-4832
3.53	78.97	235	175-7897	3E-6732	153-1157	170-7098	–	–	–
3.53	82.14	236	2H-3931	6V-6707	6V-1196	170-4821	6L-9965	–	8C-3073
3.53	85.32	237	2H-6338	117-1266	124-1859	–	2P-3538	–	8C-3072
3.53	88.49	238	175-7898	6R-0365	6V-8002	–	3S-1427	224-6079	200-6410
3.53	91.67	239	8H-7521	3E-6735	131-3718	–	2M-2561	258-8738	–
3.53	94.84	240	1H-8128	5P-6302	3E-6773	–	5K-1770	–	–
3.53	98.02	241	175-7900	9X-4611	6V-1197	–	9M-9936	–	–
3.53	101.19	242	1H-6227	–	6V-6353	–	2S-2182	–	–
3.53	104.37	243	4M-0189	–	5D-5957	–	7M-9909	–	–
3.53	107.54	244	2H-3928	–	3E-6785	–	8S-5654	–	213-9397
3.53	110.72	245	175-7902	3E-6703	8T-9527	–	9M-9729	–	–
3.53	113.89	246	5H-6734	190-3011	9X-7287	–	–	271-4928	–
3.53	117.07	247	2J-8163	331-2496	5D-5958	–	5P-1705	–	–
3.53	120.24	248	5F-3144	175-7903	259-4598	–	8M-5255	–	213-9396
3.53	123.42	249	5F-3999	331-2487	6V-8260	–	7M-6637	–	–
3.53	126.59	250	175-7904	031-4392	9X-7371	–	4S-5898	–	–
3.53	129.77	251	3F-5792	–	130-0229	–	5P-3457	–	–
3.53	132.94	252	175-7905	316-2516	6V-7351	–	9N-1619	–	–

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
3.53	136.12	253	2H-3935	316-2517	6V-1195	–	9N-2693	–	–
3.53	139.29	254	8F-9516	190-3010	–	–	8M-5007	–	–
3.53	142.47	255	2D-8009	–	161-8068	–	6V-1904	129-1609	–
3.53	145.64	256	5H-3252	6J-5541	243-2737	6V-3549	–	–	–
3.53	148.82	257	2K-8257	096-6789	161-8069	–	3S-5135	129-1610	8T-5918
3.53	151.99	258	8F-8733	7D-9014	6V-5553	170-7106	5D-4311	–	–
3.53	158.34	259	2K-4472	–	6V-3319	–	8M-4704	135-2654	–
3.53	164.69	260	6F-4718	–	298-6387	175-5077	1S-4974	–	–
3.53	171.04	261	9F-1399	–	5P-8428	170-4825	2S-4071	311-0828	213-9395
3.53	177.39	262	2K-2939	–	6V-1902	–	5S-4554	–	–
3.53	183.74	263	4H-6520	–	6V-3907	175-5088	1S-6119	–	–
3.53	190.09	264	3J-0634	5J-2383	–	224-6080	–	149-5461	6V-5098
3.53	196.44	265	1H-8278	126-4003	–	–	–	271-4926	8T-2921
3.53	202.79	266	1J-2176	–	227-5538	–	9M-9545	–	–
3.53	209.14	267	9M-5024	7Y-4294	238-6646	224-6081	9N-2694	122-3771	–
3.53	215.49	268	4K-6804	–	156-5198	–	–	122-3772	–
3.53	221.84	269	8F-5900	–	186-3075	–	–	–	–
3.53	228.19	270	8F-6230	–	6V-3684	–	–	–	–
3.53	234.54	271	1T-0132	–	235-3546	–	8L-3017	–	–
3.53	240.89	272	2D-9572	–	170-5942	–	9N-1609	–	–
3.53	247.24	273	5S-3676	–	–	–	–	–	–
3.53	253.59	274	5H-4909	243-4572	–	–	7D-1979	185-3502	–
3.53	266.29	275	8J-8879	–	464-8978	–	–	205-6051	–
3.53	278.99	276	2R-0239	–	180-4365	–	–	–	–
3.53	291.69	277	5P-2545	–	213-9833	–	9N-1520	–	–
3.53	304.39	278	2D-6533	–	165-4852	–	–	–	–
3.53	329.79	279	4D-6695	–	–	–	9N-1552	–	–
3.53	355.19	280	4S-5879	–	5D-5959	–	–	–	–
3.53	380.59	281	4D-1577	–	–	–	–	135-2653	–
3.53	405.26	282	7S-8561	–	–	–	–	–	–
3.53	430.66	283	4S-5924	–	–	–	–	–	–
3.53	454.91	284	7X-1548	–	–	–	–	–	–
5.33	12.06	310	3H-4970	–	8S-5011	–	1S-7104	247-0708	–
5.33	15.24	312	5H-8038	–	6V-3955	–	8M-4990	–	–
5.33	18.42	314	3B-8453	–	6V-3348	–	1S-0004	–	6V-5061
5.33	19.99	315	9H-4557	–	–	–	–	–	–
5.33	21.59	316	6H-5672	–	2N-3350	–	9H-6067	–	6V-5062
5.33	23.16	317	8F-4994	–	112-3540	–	9M-4849	114-2687	7L-4773
5.33	24.77	318	8B-4967	–	6V-4430	–	8M-5266	–	8T-0280
5.33	26.34	319	–	–	8C-3104	–	–	–	–

Cat O-Rings

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
5.33	27.94	320	5H-7370	–	293-7589	–	8M-4991	–	–
5.33	31.12	322	4F-5607	–	6V-5134	–	5H-7153	–	305-4484
5.33	32.69	323	5M-7423	–	–	–	–	–	–
5.33	34.29	324	5M-5860	–	6V-3830	–	1S-9544	–	5P-7204
5.33	37.47	325	4F-7389	–	5P-8068	–	9M-7002	109-0078	6V-9769
5.33	40.64	326	2H-3927	8S-5953	5P-5846	–	9M-9647	109-0072	6L-7817
5.33	43.82	327	4F-8824	–	8C-5230	–	2S-2251	109-0073	2N-5749
5.33	46.99	328	4F-9653	9S-8307	8C-3107	–	6L-1648	112-3258	6V-1585
5.33	50.17	329	5K-5959	–	113-5304	–	6L-1651	109-0076	171-4358
5.33	53.34	330	4F-7390	–	6V-3831	–	–	112-3260	2N-5243
5.33	56.52	331	3H-2652	7S-4001	109-2332	–	6L-1650	110-7752	2N-0475
5.33	59.69	332	6F-8146	099-4780	3P-0651	–	6L-9284	112-3259	–
5.33	62.86	333	2H-2665	2R-0039	237-7623	–	6L-1649	112-1102	8T-1919
5.33	66.04	334	2H-3933	–	3P-0656	–	8H-1607	–	–
5.33	69.22	335	7F-2122	006-8352	3P-0653	–	8M-4989	109-0075	–
5.33	72.39	336	5F-3092	–	269-7885	–	9M-4218	110-7753	288-5476
5.33	75.57	337	7H-2444	–	6V-5051	–	–	109-0092	–
5.33	78.74	338	9F-4446	–	6V-3833	–	1M-6036	109-0079	–
5.33	81.92	339	4L-9564	5D-1597	287-5812	–	6L-5359	–	–
5.33	85.09	340	8H-2046	–	259-4600	–	9M-4217	259-4597	6V-5066
5.33	88.26	341	1H-0474	–	6V-0973	–	–	112-8186	–
5.33	91.44	342	5F-0149	–	5P-7818	–	9X-7727	109-0074	–
5.33	94.62	343	5H-8624	–	6V-4315	–	–	–	–
5.33	97.79	344	9M-2092	–	5S-9134	–	6V-5188	109-0080	6V-5139
5.33	100.97	345	4F-7387	9X-7458	6V-3908	–	4H-3243	109-0077	416-1498
5.33	104.14	346	1J-2859	–	6V-5052	–	–	–	–
5.33	107.32	347	9F-7283	–	6V-5101	–	1S-1225	–	6V-5504
5.33	110.49	348	1S-7408	–	7D-7111	–	–	–	–
5.33	113.66	349	5H-5672	–	5P-8872	–	8S-5655	112-1580	6V-5140
5.33	116.84	350	5P-4326	–	8C-3103	–	–	–	6V-5067
5.33	120.02	351	1P-9005	331-2485	270-1820	–	–	–	–
5.33	123.19	352	2S-8439	–	310-3954	–	107-3185	109-0081	8T-2903
5.33	126.36	353	068-9002	–	–	–	–	258-8734	–
5.33	129.54	354	8J-1688	371-0443	6V-4314	–	–	258-8733	6V-5068
5.33	132.72	355	5P-1979	–	258-8735	–	–	–	–
5.33	135.89	356	–	–	9X-7562	–	–	–	–
5.33	139.06	357	9M-3786	–	6V-5054	–	3S-1219	–	6V-6809
5.33	142.24	358	6D-9157	–	6V-3835	–	–	–	225-7003
5.33	145.42	359	3S-1223	–	–	–	–	–	–
5.33	148.59	360	6V-5657	–	–	–	–	–	–

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
5.33	151.77	361	7J-8956	315-7986	6V-5055	–	–	–	–
5.33	158.12	362	8T-6444	491-1544	6V-4297	–	8C-3091	–	–
5.33	164.46	363	8J-1665	–	258-6947	170-4824	7S-8758	–	–
5.33	170.82	364	–	5P-7593	258-8736	–	–	–	–
5.33	177.17	365	8T-7568	–	109-7411	–	9X-7704	107-6280	–
5.33	183.52	366	5K-1787	–	6V-5102	–	–	–	–
5.33	189.86	367	3F-1547	–	–	–	–	–	–
5.33	196.22	368	5M-7142	–	6V-3349	–	–	–	197-8006
5.33	202.56	369	9M-5894	–	375-6181	–	–	–	–
5.33	202.57	369	–	–	177-6911	–	–	–	6V-7703
5.33	208.92	370	4N-1230	–	5P-8429	–	–	259-4596	–
5.33	215.26	371	5P-3092	–	–	–	–	–	253-9950
5.33	221.62	372	5H-4081	1U-3174	6V-5141	–	–	134-5959	–
5.33	227.96	373	–	5P-5374	–	–	5D-9344	–	–
5.33	234.32	374	–	–	6V-5375	–	–	–	–
5.33	240.66	375	–	5P-2235	–	–	–	–	–
5.33	240.67	375	–	–	6V-7701	–	5P-8105	–	–
5.33	247.01	376	–	386-5910	–	–	–	–	–
5.33	253.36	377	8L-9241	320-6169	–	–	–	–	–
5.33	266.06	378	3S-3074	109-5702	174-3357	275-8521	5P-5819	–	–
5.33	278.76	379	–	5P-2236	6V-5554	292-9201	–	–	–
5.33	291.46	380	2M-1309	–	6V-5057	–	–	–	–
5.33	304.17	381	–	6V-3263	159-8802	–	–	158-6563	–
5.33	329.56	382	7S-8554	–	–	–	–	–	–
5.33	329.57	382	–	–	9X-7688	–	–	–	–
5.33	354.97	383	6V-1175	–	8C-3828	–	–	–	–
5.33	380.36	384	2M-3340	–	118-7536	–	–	–	–
5.33	405.3	385	5M-6200	223-5519	–	–	–	–	–
5.33	430.66	386	5P-9806	–	–	–	9L-5650	–	–
5.33	456.06	387	2R-0098	–	6V-5059	–	–	–	–
5.33	481.41	388	8D-4771	–	–	–	–	–	–
5.33	532.21	390	4H-6730	–	–	–	380-1397	–	–
5.33	557.61	391	9H-3360	–	–	–	–	–	–
5.33	582.68	392	3D-8422	–	–	–	–	–	–
5.33	608.1	393	8T-3013	–	–	–	–	–	–
5.33	633.48	394	9H-6832	–	–	–	–	–	–
6.99	113.66	425	114-9275	–	–	–	7S-1156	–	–
6.99	116.84	426	9S-3888	107-6259	170-5941	–	9M-8788	–	–
6.99	120.02	427	–	–	–	–	3H-0976	–	7L-2031
6.99	123.19	428	–	6F-0671	5S-6760	–	–	–	–

Cat O-Rings

SAE AS568 Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
6.99	126.36	429	8F-4469	–	6V-5103	–	2M-5173	–	6L-9405
6.99	132.72	431	5H-9524	–	–	–	–	–	–
6.99	135.89	432	4F-7507	–	3E-6751	–	–	–	–
6.99	139.06	433	5H-6733	–	6V-5167	–	6H-1995	–	–
6.99	145.42	435	2Y-8252	384-5137	–	–	–	–	–
6.99	148.59	436	5P-3620	003-2770	269-7886	–	5D-6642	–	–
6.99	151.76	437	8H-0273	6H-4162	5P-8862	–	6L-5473	–	–
6.99	158.12	438	5L-5032	140-0240	–	–	–	467-2620	–
6.99	164.46	439	2H-6124	–	135-6950	–	7M-6952	–	–
6.99	170.82	440	2D-1692	006-8350	–	–	–	192-4309	5P-6619
6.99	177.16	441	4F-9652	–	6V-5095	–	5D-7665	–	–
6.99	183.52	442	2D-1690	–	7X-4810	–	–	–	–
6.99	189.86	443	5F-6222	–	–	–	–	–	201-9701
6.99	202.56	445	2D-1691	–	3P-0658	–	6L-5360	–	–
6.99	215.26	446	4F-7388	–	–	–	–	–	279-3397
6.99	227.96	447	1J-2890	–	–	–	–	–	–
6.99	240.66	448	1M-9015	–	–	–	–	–	–
6.99	253.37	449	3E-6794	–	–	–	–	–	–
6.99	266.06	450	8F-8861	–	–	–	–	–	–
6.99	278.76	451	2H-6340	–	–	–	–	–	–
6.99	291.46	452	8H-8257	–	–	–	–	–	–
6.99	304.16	453	4M-0661	–	–	–	–	–	1W-0118
6.99	316.86	454	4D-4508	–	6V-3967	–	–	–	8T-9047
6.99	329.56	455	5M-4454	–	–	–	–	–	–
6.99	342.26	456	5P-9217	–	6V-6638	–	–	–	–
6.99	354.96	457	4J-1253	–	–	–	–	–	–
6.99	367.67	458	6V-5862	–	–	–	–	–	–
6.99	380.36	459	8F-9960	–	–	–	–	–	–
6.99	393.07	460	5P-4342	–	–	–	–	–	–
6.99	417.96	462	–	–	137-4350	–	–	–	–
6.99	430.66	463	3S-9896	–	241-6948	–	–	–	–
6.99	468.76	466	8T-4811	–	–	–	–	–	–
6.99	481.46	467	5D-1071	–	–	–	–	–	–
6.99	494.16	468	2D-8363	–	6V-5060	–	–	–	–
6.99	532.26	470	3D-8241	–	–	–	380-6914	–	–
6.99	582.68	472	2D-8364	–	–	–	–	–	–
6.99	608.08	473	5D-6428	–	–	–	–	–	–
6.99	659	475	–	–	185-7080	–	–	–	–

Cat Standard O-rings for Fluid Lines

Inch Straight Thread O-Ring (STOR) Seals

Cross Section Dia (mm)	Inner Dia (mm)	Dash Size	Thread Size	NBR (90)	FKM (90)	EPDM (70)
1.63	6.07	-2	5/16 - 24	4J-7533	238-5078	8T-9587
1.63	7.65	-3	3/8 - 24	7J-0204	238-5079	8K-0001
1.83	8.92	-4	7/16 - 20	3J-7354	214-7566	6V-9027
1.83	10.52	-5	1/2 - 20	1J-9671	214-7567	291-8144
1.98	11.89	-6	9/16 - 18	3J-1907	214-7568	6V-3250
2.21	16.36	-8	3/4 - 16	3K-0360	238-5080	6V-6609
2.46	19.18	-10	7/8 - 14	2M-9780	238-5081	6V-3251
2.95	23.47	-12	1-1/16 - 12	3D-2824	238-5082	6V-5063
2.95	26.62	-14	1-3/16 - 12	4K-1388	238-5083	291-8145
2.95	29.74	-16	1-5/16 - 12	7M-8485	238-5084	6V-5064
3.00	37.47	-20	1-5/8 - 12	2S-4078	228-7096	6V-5065
3.00	43.69	-24	1-7/8 - 12	6K-6307	238-5086	8C-0562
3.00	59.36	-32	2-1/2 - 12	030-4606	228-7097	-

Metric Straight Thread O-Ring (STOR) Seals

Cross Section Dia (mm)	Inner Dia (mm)	Thread Size	NBR (90)	FKM (90)	EPDM (70)
1.5	6.2	M8 x 1	-	228-7099	-
1.5	8.2	M10 x 1	8T-7876	8C-3076	262-9990
2.1	9.4	M12 X 1.5	6V-9028	228-7100	219-0669
2.1	11.4	M14 X 1.5	6V-6560	228-7101	216-8579
2.1	13.4	M16 X 1.5	8T-6850	228-7102	291-8179
2.1	15.4	M18 X 1.5	8T-7524	228-7103	199-9751
2.1	17.4	M20 X 1.5	8T-7877	228-7104	-
2.1	19.4	M22 X 1.5	6V-7970	228-7105	216-7485
2.8	23.7	M27 X 2	8T-7525	228-7106	216-8578
2.8	29.7	M33 X 2	8T-7526	215-4639	216-8580
2.8	38.7	M42 X 2	8C-5193	228-7108	-
2.8	44.7	M48 X 2	-	216-9642	-
2.8	56.7	M60 X 2	-	209-5798	-

O-Ring Face Seals (ORFS)

Cross Section Dia (mm)	Inner Dia (mm)	Thread Size	NBR (90)	FKM (90)	EPDM (70)
1.78	11.23	9/16 - 18	4J-5477	228-7088	121-4345
1.78	12.83	11/16 - 16	6V-8397	228-7089	6D-7128
1.78	16.03	13/16 - 16	6V-8398	228-7090	180-8424

Cat O-Rings

Cat Standard O-rings for Fluid Lines (Cont'd.)

O-Ring Face Seals (ORFS) (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Thread Size	NBR (90)	FKM (90)	EPDM (70)
1.78	19.28	1 – 14	7J-9108	228-7091	6V-5138
1.78	22.5	1-3/16 – 12	6V-9746	228-7092	294-9072
1.78	27.22	1-7/16 – 12	5K-9090	228-7093	–
1.78	33.57	1-11/16 – 12	6V-8400	228-7094	–
1.78	41.54	2 – 12	8T-0315	228-7095	294-9075

JIS (Japanese Industrial Standard) O-rings

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	HNBR (78)
1.9	2.8	P3	095-1508	095-1571	–	–	–
1.9	3.8	P4	095-1509	7Y-5280	–	206-9288	–
1.9	4.8	P5	095-1510	095-1572	–	–	–
1.9	5.8	P6	3T-7528	095-1573	–	–	–
1.9	6.8	P7	095-1511	095-1574	207-4849	199-0518	–
1.9	7.8	P8	–	095-1575	103-8254	277-2550	–
1.9	8.8	P9	095-1513	095-1576	–	236-2184	–
1.9	9.8	P10	095-1514	095-1578	–	189-9763	–
2.4	9.8	P10A	–	095-1577	–	–	–
2.4	10.8	P11	095-1515	095-1579	–	206-9292	121-7137
2.4	11.8	P12	095-1516	095-1580	–	–	–
2.4	12.3	P12.5	185-0550	095-1581	8T-9522	249-6660	–
2.4	13.8	P14	095-1517	095-1582	–	–	–
2.4	14.8	P15	095-1518	095-1583	103-8255	206-9293	–
2.4	15.8	P16	095-1519	095-1584	273-8316	206-9294	–
2.4	17.8	P18	–	095-1585	–	206-9295	–
2.4	19.8	P20	095-1521	095-1586	–	206-9296	–
2.4	20.8	P21	095-1522	095-1587	–	109-1294	–
2.4	21.8	P22	095-1524	095-1590	–	277-2545	229-4896
3.1	24.4	G25	095-1657	095-1696	–	249-6659	–
3.1	29.4	G30	095-1658	095-1698	–	206-9298	–
3.1	34.4	G35	095-1659	095-1700	–	206-9299	–
3.1	39.4	G40	–	095-1701	–	109-1296	–
3.1	44.4	G45	–	095-1703	–	206-9285	–
3.1	49.4	G50	095-1662	095-1704	–	–	–
3.1	54.4	G55	095-1663	095-1705	–	–	–
3.1	59.4	G60	–	095-1706	–	–	–
3.1	64.4	G65	–	095-1707	–	206-9286	–
3.1	69.4	G70	–	095-1708	–	–	–

JIS (Japanese Industrial Standard) O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	HNBR (78)
3.1	74.4	G75	–	095-1709	–	206-9300	–
3.1	79.4	G80	–	095-1710	193-1736	–	–
3.1	84.4	G85	8T-3338	095-1711	273-8315	–	–
3.1	89.4	G90	–	095-1712	–	–	–
3.1	94.4	G95	095-1671	095-1713	096-3944	249-6657	–
3.1	99.4	G100	6V-8467	095-1714	–	–	–
3.1	104.4	G105	095-1673	095-1715	–	236-6919	–
3.1	109.4	G110	095-1674	095-1716	274-1262	292-3264	–
3.1	114.4	G115	095-1675	095-1717	–	–	–
3.1	119.4	G120	095-1676	095-1718	–	–	–
3.1	124.4	G125	–	095-1719	–	–	–
3.1	129.4	G130	095-1678	095-1720	–	–	–
3.1	134.4	G135	095-1679	095-1721	–	–	–
3.1	139.4	G140	095-1680	095-1722	–	–	–
3.1	144.4	G145	095-1681	095-1723	–	–	–
3.5	21.7	P22A	–	095-1589	–	–	–
3.5	22.1	P22.4	095-1525	095-1591	–	–	–
3.5	23.7	P24	095-1526	095-1592	–	190-7674	–
3.5	24.7	P25	095-1527	095-1593	273-8317	–	–
3.5	25.7	P26	095-1528	095-1594	273-8319	206-9301	–
3.5	27.7	P28	–	095-1595	–	–	–
3.5	28.7	P29	–	095-1596	–	–	–
3.5	29.7	P30	095-1531	095-1597	–	–	–
3.5	30.7	P31	–	095-1598	–	–	–
3.5	31.7	P32	095-1533	095-1599	–	–	–
3.5	33.7	P34	095-1534	095-1600	–	–	–
3.5	34.7	P35	8T-2148	095-1601	–	–	–
3.5	35.7	P36	–	095-1602	–	–	–
3.5	37.69	P38	–	–	–	190-7673	–
3.5	37.7	P38	095-1537	095-1603	–	–	–
3.5	38.7	P39	095-1538	096-5572	273-8318	–	–
3.5	39.7	P40	095-1539	095-1604	–	–	–
3.5	40.7	P41	095-1540	095-1605	–	–	–
3.5	41.7	P42	095-1541	095-1606	–	–	–
3.5	43.7	P44	–	095-1607	–	–	–
3.5	44.7	P45	095-1543	095-1608	–	–	–
3.5	45.7	P46	095-1544	095-1609	–	–	–
3.5	47.7	P48	–	095-1610	–	–	–
3.5	48.7	P49	095-1545	–	–	–	–
3.5	49.7	P50	095-1547	095-1613	–	–	–
5.7	49.6	P50A	–	095-1612	–	–	–

Cat O-Rings

JIS (Japanese Industrial Standard) O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	HNBR (78)
5.7	51.6	P52	096-0121	095-1614	—	—	—
5.7	54.6	P55	8T-6346	095-1616	—	—	—
5.7	55.6	P56	—	095-1617	—	—	—
5.7	57.6	P58	—	095-1618	—	—	—
5.7	59.6	P60	095-1549	095-1619	—	—	—
5.7	61.6	P62	—	095-1620	—	—	—
5.7	64.6	P65	—	095-1621	—	—	—
5.7	66.6	P67	270-6438	—	—	—	—
5.7	69.6	P70	—	095-1622	—	—	—
5.7	74.6	P75	095-1552	—	—	—	—
5.7	79.6	P80	—	095-1623	—	—	—
5.7	84.6	P85	095-1554	095-1624	—	—	—
5.7	89.6	P90	—	095-1625	—	—	—
5.7	94.6	P95	—	095-1626	—	—	—
5.7	99.6	P100	—	095-1627	—	—	—
5.7	104.6	P105	—	—	—	—	—
5.7	109.6	P110	095-1558	095-1628	—	—	—
5.7	111.6	P112	132-3056	—	—	—	—
5.7	114.6	P115	—	095-1630	—	—	—
5.7	119.6	P120	—	095-1631	—	—	—
5.7	124.6	P125	—	096-5382	—	—	—
5.7	129.6	P130	095-1562	095-1632	—	—	—
5.7	139.6	P140	095-1563	095-1633	—	—	—
5.7	144.6	P145	—	095-1634	—	—	—
5.7	149.2	P150	—	—	—	483-3274	—
5.7	149.3	P150	095-1682	—	—	—	—
5.7	149.6	P150	—	095-1635	—	—	—
5.7	154.3	G155	096-4921	095-1725	—	—	—
5.7	159.3	G160	—	095-1726	—	—	—
5.7	164.3	G165	—	095-1727	—	—	—
5.7	169.3	G170	095-1684	095-1728	—	—	081-4674
5.7	179.3	G180	095-1685	095-1730	—	—	—
5.7	184.3	G185	095-1686	—	—	—	—
5.7	189.3	G190	095-1687	095-1731	—	—	—
5.7	194.3	G195	095-1688	—	—	—	—
5.7	199.3	G200	095-1689	095-1732	—	—	—
5.7	209.3	G210	—	095-1733	—	—	—
5.7	219.3	G220	095-1691	095-1734	—	—	—
5.7	229.3	G230	095-1692	095-1735	—	—	—
5.7	249.3	G250	—	095-1736	—	—	—
5.7	259.3	G260	—	095-1737	—	—	—

JIS (Japanese Industrial Standard) O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)	HNBR (78)
5.7	269.3	G270	–	–	–	–	–
5.7	279.3	G280	095-1694	–	–	–	–
5.7	289.3	G290	–	–	9X-4623	–	–
5.7	299.3	G300	095-1695	–	–	–	–
8.4	154.5	P155	–	095-1636	–	–	–
8.4	164.5	P165	–	095-1637	–	–	–
8.4	174.5	P175	–	095-1638	–	–	–
8.4	179.5	P180	–	095-1639	–	–	–
8.4	189.5	P190	095-1565	–	–	–	–
8.4	199.5	P200	095-1566	–	–	–	–
8.4	214.5	P215	095-1567	–	–	–	–
8.4	249.5	P250	095-1568	–	–	–	–
8.4	384.5	P385	095-1570	–	–	–	–

BS (British Standard) O-rings

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)
1.6	11.1	0111-16	–	–	8I-4284	–
1.6	13.1	0131-16	8C-3097	–	–	–
1.6	22.2	0221-16	–	–	8I-4581	–
1.6	27.1	0271-16	8C-3101	–	–	–
2.4	17.6	0176-24a	2U-1571	–	–	–
2.4	47.6	0476-24	–	–	195-7657	–
3	34.5	0345-30a	–	490-8788	–	–
3	37.5	0375-30a	–	2S-4078	5P-7815	228-7096
3	54.5	0545-30	–	–	081-3364	–
3	59.36	0595-30	–	030-4606	5P-7817	228-7097
3	84.5	0845-30	–	–	9X-4622	–
3	104.5	1045-30	–	–	227-5904	–
3	110	1095-30	–	490-8609	–	–
3	120	1195-30	5W-5486	140-0226	–	–
3	124	1245-30	–	8U-2552	–	–
3	125	1245-30	222-5792	–	276-3188	–
3	144.5	1445-30	–	–	192-5167	–
3	150	1495-30	109-5700	–	–	–
3	154.5	1545-30	2U-5345	–	–	–
3	160	1595-30	–	8U-2538	–	–
3	175	1745-30	201-7396	–	–	–
3	179	1795-30	–	–	192-5168	–
3	185	1845-30	270-6871	–	–	–

Cat O-Rings

BS (British Standard) O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)
3	189.5	1895-30	2U-5346	—	—	—
3	200	1995-30	109-5693	—	—	—
3	210	2095-30	—	490-8720	—	—
5.7	52.3	0523-57a	2U-1574	—	—	—
5.7	64.6	0643-57a	—	095-1621	—	—
5.7	69.6	0693-57a	—	095-1622	—	—
5.7	74.6	0743-57a	095-1552	—	—	—
5.7	79.6	0793-57a	—	095-1623	—	—
5.7	84.6	0843-57a	095-1554	095-1624	—	—
5.7	89.6	0893-57a	—	095-1625	—	—
5.7	94.6	0943-57a	—	095-1626	—	—
5.7	99.6	0993-57a	—	095-1627	—	—
5.7	104.6	1043-57a	—	—	—	—
5.7	109.6	1093-57a	095-1558	095-1628	—	—
5.7	114.6	1143-57a	—	095-1630	—	—
5.7	119.6	1193-57a	—	095-1631	—	—
5.7	124.6	1243-57a	—	096-5382	—	—
5.7	129.6	1293-57a	095-1562	095-1632	—	—
5.7	139.6	1393-57a	095-1563	095-1633	—	—
5.7	144.6	1443-57a	—	095-1634	—	—
5.7	149.3	1493-57	095-1682	095-1635	—	483-3274
5.7	154.3	1543-57	096-4921	095-1725	—	—
5.7	159.3	1593-57	—	095-1726	—	—
5.7	164.3	1643-57	—	095-1727	—	—
5.7	169.3	1693-57	095-1684	095-1728	—	—
5.7	179.3	1793-57	095-1685	095-1730	—	—
5.7	184.3	1843-57	095-1686	—	—	—
5.7	189.3	1893-57	095-1687	095-1731	—	—
5.7	194.3	1943-57	095-1688	—	—	—
5.7	199.3	1993-57	095-1689	095-1732	—	—
5.7	209.3	2093-57	—	095-1733	—	—
5.7	219.3	2193-57	095-1691	095-1734	—	—
5.7	229.3	2293-57	095-1692	095-1735	—	—
5.7	249.3	2493-57	—	095-1736	—	—
5.7	259.3	2593-57	—	095-1737	—	—
5.7	269.3	2693-57	—	—	—	—
5.7	279.3	2793-57	095-1694	—	—	—
5.7	289.3	2893-57	—	—	9X-4623	—
5.7	299.3	2993-57	095-1695	—	—	—
5.7	399.3	3993-57	7U-7852	—	—	—
8.4	154.5	1541-84a	—	095-1636	—	—

BS (British Standard) O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	Standard Size	NBR (75)	NBR (90)	FKM (75)	FKM (90)
8.4	164.5	1641-84a	–	095-1637	–	–
8.4	174.5	1741-84a	–	095-1638	–	–
8.4	179.5	1791-84a	–	095-1639	–	–
8.4	189.5	1891-84a	095-1565	–	–	–
8.4	199.5	1991-84a	095-1566	–	–	–
8.4	249.5	2491-84a	095-1568	–	–	–

Non-Standard O-rings

Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
1.17	10.41	–	–	189-3769	–	–	–	–
1.35	11.63	1P-8116	–	–	–	–	–	–
1.4	25.63	–	–	–	9X-7430	–	–	–
1.42	3.99	–	–	5P-9262	–	–	–	–
1.5	1.5	–	–	179-7400	–	–	–	–
1.5	4.5	–	3E-4288	–	–	–	–	–
1.5	5	–	–	8C-3131	–	–	–	–
1.5	6	192-7507	–	–	–	–	–	–
1.5	6.5	–	3E-4289	–	–	–	–	–
1.5	7	–	192-7512	–	–	–	–	–
1.5	7.5	–	192-7513	–	–	–	–	–
1.5	8	192-7514	3E-4296	–	–	–	–	–
1.5	10	–	3E-4297	–	–	–	–	–
1.5	15	192-7510	–	–	–	–	–	–
1.5	16	–	–	242-4313	–	–	–	–
1.5	17	–	–	–	8C-3106	–	–	–
1.6	14	–	–	8C-3132	–	–	–	–
1.63	6.07	–	4J-7533	163-4565	238-5078	–	–	8T-9587
1.63	7.65	–	7J-0204	5P-7813	238-5079	–	–	8K-0001
1.78	6.4	–	147-6603	–	–	–	–	–
1.78	13.34	–	–	317-0810	–	–	117-2983	–
1.78	15.72	–	7J-9108	136-7226	228-7091	–	–	–
1.78	60.43	–	–	311-6130	–	–	–	–
1.78	78.56	–	–	–	–	5P-3114	–	–
1.78	157.5	–	–	–	–	415-1704	–	–
1.78	302.03	–	–	367-9384	–	–	–	–
1.83	8.92	–	3J-7354	6V-5048	214-7566	–	9X-7378	6V-9027
1.83	10.52	–	1J-9671	5P-7814	214-7567	–	–	291-8144
1.88	7.98	–	6V-5324	–	–	–	–	–

Cat O-Rings

Non-Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
1.9	10.8	—	—	—	249-6661	—	—	—
1.98	11.89	—	3J-1907	190-7634	214-7568	—	—	6V-3250
2	5	192-7506	—	—	—	—	—	—
2	9	—	—	9X-4617	—	—	—	—
2	10	—	9T-4057	—	—	—	—	—
2	11	192-7515	—	—	—	—	—	—
2	12	—	3E-4298	—	—	—	—	—
2	15	—	—	3E-6749	—	—	—	—
2	17	—	—	—	3E-6769	—	—	—
2	35	242-9574	—	—	—	—	—	—
2	78	—	—	192-7120	—	—	—	—
2	84.5	165-9448	—	—	—	—	—	—
2	149.5	177-2553	—	—	—	—	—	—
2.1	9.4	—	6V-9028	199-9267	228-7100	—	—	219-0669
2.1	11.4	—	6V-6560	—	228-7101	199-9252	—	216-8579
2.1	13.4	—	8T-6850	—	228-7102	—	—	291-8174
2.2	9.6	—	—	—	9X-7317	—	—	—
2.21	16.36	—	3K-0360	8L-2786	238-5080	—	112-5282	6V-6609
2.38	22.22	—	—	2T-2894	—	—	—	—
2.4	16.3	—	—	—	117-8766	—	—	—
2.4	18.3	—	—	8T-9523	—	—	—	—
2.4	19.3	—	—	9X-4619	—	—	—	—
2.4	25.3	—	3E-6763	—	—	—	—	—
2.44	17.5	—	—	351-1904	—	—	—	—
2.46	19.18	—	2M-9780	136-7227	238-5081	—	114-4427	6V-3251
2.5	10	—	192-7509	—	—	—	—	—
2.5	16	—	192-7508	—	—	—	—	—
2.5	17	—	—	—	213-9242	—	—	—
2.5	25	—	118-2725	—	—	—	—	—
2.5	33	—	3E-6764	—	—	—	—	—
2.5	195	—	—	—	3E-6770	—	—	—
2.62	8.1	—	356-2456	—	—	—	—	—
2.62	9.8	7W-3983	—	—	—	—	—	—
2.62	17.96	—	6V-5325	—	—	—	—	—
2.62	19.4	—	—	326-2042	—	—	—	—
2.62	24.3	—	—	326-2041	—	—	—	—
2.62	27.18	—	—	263-4016	—	—	—	—
2.62	36.54	—	—	—	131-3719	—	—	—
2.62	79.38	207-2757	—	—	—	—	107-5769	—
2.62	92.41	—	—	185-3241	—	—	—	—

Non-Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
2.62	93.12	—	140-7969	—	—	—	—	—
2.62	269.4	8C-5176	—	—	—	—	—	—
2.62	287.91	201-3321	—	—	—	—	—	—
2.66	9.87	—	173-5549	—	—	—	—	—
2.8	22.7	—	8T-7878	—	—	—	—	—
2.95	23.47	—	3D-2824	6V-5050	238-5082	—	—	6V-5063
2.95	26.59	—	—	6V-1903	—	—	119-5155	—
2.95	29.74	—	7M-8485	5P-7701	238-5084	—	—	6V-5064
2.95	34.42	—	230-5935	—	238-5085	—	—	—
3	32	—	5W-8039	—	—	—	—	—
3	43.69	—	6K-6307	5P-7816	238-5086	—	—	8C-0562
3	46	—	123-0373	—	—	—	—	—
3	53.1	—	—	9X-3978	—	—	—	8T-2928
3	85	—	—	—	177-0344	—	—	—
3	102	179-3560	—	—	—	—	—	—
3.1	174	—	095-7383	—	—	—	—	—
3.1	190	—	096-4377	—	—	—	—	—
3.1	191.3	—	—	—	210-0835	—	—	—
3.15	30	—	—	8T-9524	—	—	—	—
3.18	34.11	4D-5256	—	—	—	—	—	—
3.4	285.6	177-8740	—	273-8314	—	—	—	—
3.5	98.5	—	—	—	5W-5480	—	—	—
3.53	13.21	—	—	—	—	5M-1868	—	—
3.53	24.77	—	—	243-5739	—	—	—	—
3.53	39.27	2J-1826	—	—	—	—	—	—
3.53	39.9	—	—	243-5741	—	—	—	—
3.53	43.3	—	—	243-5742	—	—	—	—
3.53	55.6	137-3623	—	—	—	—	—	—
3.53	65.07	5B-4399	—	—	—	—	—	—
3.53	214.3	2M-0340	—	—	—	—	—	—
3.53	230.67	—	—	—	—	146-7311	—	—
3.53	238.23	—	—	—	—	146-7312	—	—
3.53	269.88	9H-5548	—	—	—	—	—	—
3.53	282.37	6V-7991	—	—	—	—	—	—
3.53	307.57	—	—	5P-9035	—	—	—	—
3.53	316.87	5P-2861	—	—	—	—	—	—
3.53	317.91	—	—	—	—	6V-2406	—	—
3.53	323.44	—	5J-1086	—	—	—	—	—
3.53	340.99	171-9375	—	—	—	—	—	—
3.53	345	116-5897	—	—	—	—	—	—

Cat O-Rings

Non-Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
3.53	351	171-9298	—	—	—	—	—	—
3.53	367.89	6D-0692	—	—	—	—	—	—
3.53	385.34	8D-2714	—	6V-5058	—	—	—	—
3.53	399.8	5P-9147	—	—	—	—	—	—
3.53	412.34	2P-3628	—	—	—	—	—	—
3.53	421.84	295-9234	—	—	—	—	—	—
3.53	434	—	—	—	—	—	269-9158	—
3.53	470	8C-5240	—	—	—	—	—	—
3.53	481.46	2D-6507	—	—	—	—	—	—
3.53	484.86	6W-4310	—	—	—	—	—	—
3.53	523.47	7D-7519	—	—	—	—	—	—
3.53	552.04	4D-0449	—	—	—	—	—	—
3.53	570	—	—	—	—	9X-7550	—	—
3.53	698.09	6D-1355	—	—	—	—	—	—
3.53	749	5P-4076	—	—	—	359-0854	—	—
3.53	985	—	—	—	—	202-7482	—	—
3.53	1108	—	—	—	—	150-8791	—	—
3.55	160	283-6090	—	—	—	—	—	—
3.55	185	123-2003	—	—	—	—	—	—
4	35	—	—	207-2755	—	—	—	—
4	75	—	112-6921	—	—	—	—	—
4	112	—	—	8U-2359	—	—	—	—
4	171	287-8400	—	—	—	—	—	—
4	545	—	—	282-2935	—	—	—	—
4.29	9.52	7B-0305	—	—	—	—	—	—
4.3	9.53	—	—	—	—	3S-5496	—	—
4.31	140.2	—	—	142-6217	—	—	—	142-7072
4.31	141	—	—	—	—	—	110-2220	—
4.39	113.8	—	—	—	—	—	—	3S-3977
4.39	117.1	—	—	—	—	—	—	456-5581
4.78	7.92	2A-3307	—	—	—	—	—	—
4.78	469.9	4F-2411	—	—	—	—	—	—
4.88	139.8	—	—	—	—	—	—	3S-3978
4.88	152.4	—	—	—	—	—	—	6L-7812
4.88	165.1	—	—	—	—	—	—	6L-7815
4.88	175	—	—	—	—	—	—	7N-2046
5.33	7.14	—	—	4G-4972	—	—	—	—
5.33	46.2	—	—	—	—	9M-2610	—	—
5.33	199.39	—	8J-4386	—	—	—	—	—
5.33	211.19	—	—	—	—	—	134-5958	—

Non-Standard O-rings (Cont'd.)

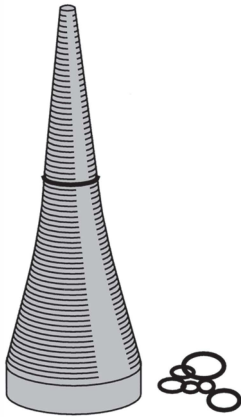
Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
5.33	270.21	–	–	–	–	2W-2073	–	–
5.33	287	–	–	8C-9023	–	–	–	–
5.33	310.13	5H-4082	–	–	–	–	–	–
5.33	317.24	–	–	6V-7702	–	–	–	–
5.33	325	–	–	–	–	–	–	1W-0115
5.33	335	–	–	6V-3602	–	–	–	–
5.33	342.9	2M-3818	–	–	–	–	–	–
5.33	372	–	–	8T-0098	–	–	–	–
5.33	390	–	–	6V-4244	–	–	–	–
5.33	399.42	7S-4571	–	–	–	–	–	–
5.33	411.48	5M-7329	–	–	–	–	–	–
5.33	421.7	–	–	8T-8883	–	–	–	–
5.33	422	144-8299	–	–	–	–	–	–
5.33	440.69	6M-5218	–	–	–	381-8976	–	–
5.33	488	–	–	179-4551	–	–	–	–
5.33	494.66	9H-0846	–	6V-5043	–	–	–	–
5.33	514.65	9M-5892	–	–	–	–	–	–
5.33	548.64	–	–	–	–	8S-6251	–	–
5.33	587.54	–	–	228-7098	–	–	–	–
5.33	643.38	8D-5096	–	–	–	381-8975	–	–
5.33	684.28	5D-7523	–	–	–	–	–	–
5.33	736.6	2D-6506	–	–	–	–	–	–
5.33	760	5P-4057	–	–	–	–	–	–
5.33	786.76	3D-3295	–	–	–	–	–	–
5.33	795	–	–	–	–	186-3712	–	–
5.33	838.2	279-8816	–	–	–	–	–	–
5.33	843	–	–	–	–	5P-9519	–	–
5.33	885.92	–	–	–	–	422-1004	–	–
5.33	920	–	–	–	–	111-1503	–	–
5.33	940	–	–	–	–	6V-6557	–	–
5.33	970	–	–	–	–	433-7022	–	–
5.33	1180	–	–	–	–	152-0985	–	–
5.33	1275	–	–	–	–	152-7039	–	–
5.7	226	–	–	–	–	–	162-7473	–
5.84	72.39	–	–	346-7703	–	–	–	–
6	180	145-6735	–	–	–	–	–	–
6.22	49.23	2B-8293	–	–	–	–	–	–
6.35	53.98	–	–	–	–	–	–	6L-7816
6.99	31.12	–	–	–	–	–	–	8C-5209
6.99	56.52	7D-1195	–	–	–	–	–	–

Cat O-Rings

Non-Standard O-rings (Cont'd.)

Cross Section Dia (mm)	Inner Dia (mm)	NBR (75)	NBR (90)	FKM (75)	FKM (90)	Silicone (70)	HNBR (78)	EPDM (70)
6.99	61.6	5P-8432	—	—	—	—	—	—
6.99	64.26	1T-0136	—	—	—	—	—	—
6.99	69.22	1M-0556	—	—	—	—	—	—
6.99	75.56	5H-2824	—	—	—	—	—	—
6.99	81	—	—	—	—	4L-8337	—	—
6.99	81.92	—	—	310-3953	—	—	—	—
6.99	88.26	—	—	130-5694	—	5S-1188	—	—
6.99	94.61	—	—	—	—	5H-7704	—	—
6.99	94.62	—	—	6V-3917	—	—	—	—
6.99	100.96	—	—	6V-2695	—	5H-1039	—	—
6.99	107.31	—	—	6V-5166	—	6H-1871	—	—
6.99	208.9	—	—	170-4822	—	—	—	—
6.99	210.9	161-4511	—	—	—	—	—	—
6.99	218.5	—	—	6V-3603	—	—	—	—
6.99	268.44	5P-3487	—	9X-7442	—	—	—	—
6.99	310.13	4M-0737	—	—	—	—	—	—
6.99	386.24	—	—	137-4349	—	—	—	—
6.99	460	—	—	—	—	289-2270	—	—
6.99	520.07	5P-2587	—	—	—	—	—	—
6.99	564.5	—	—	—	—	143-6387	—	—
6.99	955	—	—	180-2923	—	—	—	—
6.99	1091	—	—	172-5635	—	—	—	—
7.5	56	175-6176	—	—	—	—	—	—
9	96	—	—	—	—	—	367-8465	—
10	124.7	—	—	—	—	—	367-8466	—
10	155	—	—	—	—	—	367-8468	—
10	175	—	—	—	—	—	367-8469	—
10	200	—	—	—	—	—	367-8470	—
10	210	—	—	—	—	—	367-8471	—
10	250	—	—	—	—	—	367-8473	—

O-Ring Measuring Cone



- Designed to measure SAE industry standard O-Ring dimensions by cross section and dash size.
- Made of high impact, yellow plastic with 65 steps indicating the varying inside diameters.
- Contains a round base with five industry standard O-Ring cross section diameters cut into the edge.
- Makes finding the correct O-Ring replacement easier and faster.

Item	Part Number
O-Ring Measuring Cone	9U-5155

O-Ring Seal Kits

O-Ring Seal Kits 270-1528 (Mixed SAE — Nitrile)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application
270-1528	O-Ring Seal Kit	O-Ring Seal	32 Sizes, 570 Seals Nitrile, 90 Duro	SAE STOR Fittings, SAE ORFS Fittings, SAE Code 61 Flanges, SAE Code 62 Flanges

270-1528 Kit Contents		
Part Number	Description	Qty.
030-4606	SAE Straight Thread O-Ring (STOR)	20
1J-9671	SAE Straight Thread O-Ring (STOR)	20
2M-9780	SAE Straight Thread O-Ring (STOR)	20
2S-4078	SAE Straight Thread O-Ring (STOR)	20
3D-2824	SAE Straight Thread O-Ring (STOR)	20
3J-1907	SAE Straight Thread O-Ring (STOR)	20
3J-7354	SAE Straight Thread O-Ring (STOR)	20
3K-0360	SAE Straight Thread O-Ring (STOR)	20
4J-0519	SAE Code 61/62 Flange Seal	15
4J-0520	SAE Code 61/62 Flange Seal	15
4J-0521	SAE Code 61/62 Flange Seal	15
4J-0522	SAE Code 61/62 Flange Seal	15
4J-0523	SAE Code 61/62 Flange Seal	15
4J-0524	SAE Code 61/62 Flange Seal	15
4J-0525	SAE Code 61/62 Flange Seal	10
4J-0526	SAE Code 61/62 Flange Seal	10
4J-0527	SAE Code 61/62 Flange Seal	10

270-1528 Kit Contents		
Part Number	Description	Qty.
4J-5140	SAE Code 61/62 Flange Seal	20
4J-5267	SAE Code 61/62 Flange Seal	20
4J-5477	SAE O-Ring Face Seal (ORFS)	20
4J-7533	SAE O-Ring Face Seal (STOR)	20
4K-1388	SAE O-Ring Face Seal (STOR)	20
5K-9090	SAE O-Ring Face Seal (ORFS)	20
6K-6307	SAE O-Ring Face Seal (STOR)	20
6V-8397	SAE O-Ring Face Seal (ORFS)	20
6V-8398	SAE O-Ring Face Seal (ORFS)	20
6V-8400	SAE O-Ring Face Seal (ORFS)	20
6V-9746	SAE O-Ring Face Seal (ORFS)	20
7J-0204	SAE O-Ring Face Seal (ORFS)	20
7J-9108	SAE O-Ring Face Seal (ORFS)	20
7M-8485	SAE O-Ring Face Seal (STOR)	20
8T-0315	SAE O-Ring Face Seal (ORFS)	20
276-9576 ⁽¹⁾	Utility Box	1

1 Not available for individual sale

O-Ring Seal Kits 270-1533



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1533	O-Ring Seal Kit	O-Ring Seal	32 Sizes, 149 Seals Silicone, 70 Duro	Low-Pressure, High-Temperature Applications

270-1533 Kit Contents		
Part Number	Description	Qty.
1S-0004	Silicone Rubber O-Ring	5
2S-2251	Silicone Rubber O-Ring	5
6L-1651	Silicone Rubber O-Ring	3
8M-4389	Silicone Rubber O-Ring	5
8M-4390	Silicone Rubber O-Ring	3
8M-4432	Silicone Rubber O-Ring	5
8M-4435	Silicone Rubber O-Ring	5
8M-4436	Silicone Rubber O-Ring	3
8M-4437	Silicone Rubber O-Ring	10
8M-4438	Silicone Rubber O-Ring	5
8M-4443	Silicone Rubber O-Ring	3
8M-4445	Silicone Rubber O-Ring	5
8M-4446	Silicone Rubber O-Ring	5
8M-4986	Silicone Rubber O-Ring	10
8M-4987	Silicone Rubber O-Ring	10
8M-4988	Silicone Rubber O-Ring	5

270-1533 Kit Contents		
Part Number	Description	Qty.
8M-4990	Silicone Rubber O-Ring	3
8M-4991	Silicone Rubber O-Ring	3
8M-4992	Silicone Rubber O-Ring	3
8M-5010	Silicone Rubber O-Ring	3
8M-5248	Silicone Rubber O-Ring	5
8M-5249	Silicone Rubber O-Ring	5
8M-5252	Silicone Rubber O-Ring	3
8M-5254	Silicone Rubber O-Ring	5
8M-5661	Silicone Rubber O-Ring	3
8M-8157	Silicone Rubber O-Ring	5
8M-8283	Silicone Rubber O-Ring	3
8M-8515	Silicone Rubber O-Ring	5
9H-6067	Silicone Rubber O-Ring	5
9M-4849	Silicone Rubber O-Ring	5
9M-7002	Silicone Rubber O-Ring	3
9M-9647	Silicone Rubber O-Ring	3
276-9576	Utility Box ⁽²⁾	1

2 Not available for individual sale

O-Ring Seal Kits

O-Ring Seal Kits 270-1535 (Cat Flanges)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1535	O-Ring Seal Kit	Rectangular Seal	9 Sizes, 80 Seals Nitrile, 90 Duro	Cat Flanges

270-1535 Kit Contents		
Part Number	Description	Qty.
1P-3700	Rectangular Seal	10
1P-3702	Rectangular Seal	10
1P-3703	Rectangular Seal	10
1P-3704	Rectangular Seal	10
1P-3705	Rectangular Seal	10

270-1535 Kit Contents		
Part Number	Description	Qty.
1P-3706	Rectangular Seal	10
1P-3707	Rectangular Seal	10
1P-3708	Rectangular Seal	5
1P-3709	Rectangular Seal	5
276-9578 ⁽³⁾	Utility Box	1

O-Ring Seal Kits 270-1537 (Metric STOR — Nitrile)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1537	O-Ring Seal Kit	O-Ring Seal	10 Sizes, 125 Seals Nitrile, 90 Duro	Metric STOR (ISO 6149)

270-1537 Contents		
Part Number	Description	Qty.
6V-6560	ISO (Metric) Straight Thread O-Ring Seal	15
6V-7970	ISO (Metric) Straight Thread O-Ring Seal	10
6V-9028	ISO (Metric) Straight Thread O-Ring Seal	15
8T-6850	ISO (Metric) Straight Thread O-Ring Seal	15

270-1537 Contents		
Part Number	Description	Qty.
8T-7524	ISO (Metric) Straight Thread O-Ring Seal	15
8T-7525	ISO (Metric) Straight Thread O-Ring Seal	10
8T-7526	ISO (Metric) Straight Thread O-Ring Seal	5
8T-7876	ISO (Metric) Straight Thread O-Ring Seal	15

3 Not available for individual sale

O-Ring Seal Kits

O-Ring Seal Kits 270-1537 (Metric STOR — Nitrile) (Cont'd.)

270-1537 Contents		
Part Number	Description	Qty.
8T-7877	ISO (Metric) Straight Thread O-Ring Seal	15

270-1537 Contents		
Part Number	Description	Qty.
8T-7878	ISO (Metric) Straight Thread O-Ring Seal	10
276-9578 ⁽⁴⁾	Utility Box	1

O-Ring Seal Kits 270-1539 (SAE ORFS — Nitrile)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1539	O-Ring Seal Kit	O-Ring Seal	8 Sizes, 120 Seals Nitrile, 90 Duro	SAE ORFS Fittings

270-1539 Kit Contents		
Part Number	Description	Qty.
4J-5477	SAE O-Ring Face Seal	20
5K-9090	SAE O-Ring Face Seal	10
6V-8397	SAE O-Ring Face Seal	20
6V-8398	SAE O-Ring Face Seal	20

270-1539 Kit Contents		
Part Number	Description	Qty.
6V-8400	SAE O-Ring Face Seal	10
6V-9746	SAE O-Ring Face Seal	10
7J-9108	SAE O-Ring Face Seal	20
8T-0315	SAE O-Ring Face Seal	10
276-9578 ⁽⁴⁾	Utility Box	1

4 Not available for individual sale

O-Ring Seal Kits

O-Ring Seal Kits 270-1540 (Air Conditioning Fittings)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1540	O-Ring Seal Kit	O-Ring Seal	12 Sizes, 150 Seals	Air-Conditioning Fittings (R134 Compatible)

270-1540 Contents		
Part Number	Description	Qty.
121-7136	O-Ring Seal	10
121-7137	O-Ring Seal	10
121-7138	O-Ring Seal	10
229-4896	O-Ring Seal	10
9X-7378	O-Ring Seal	15
9X-7379	O-Ring Seal	15

270-1540 Contents		
Part Number	Description	Qty.
9X-7380	O-Ring Seal	15
9X-7381	O-Ring Seal	15
9X-7382	O-Ring Seal	15
9X-7383	O-Ring Seal	10
9X-7384	O-Ring Seal	10
9X-7385	O-Ring Seal	15
276-9578 ⁽⁵⁾	Utility Box	1

O-Ring Seal Kits 270-1545 (SAE Code 61/61)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
270-1545	O-Ring Seal Kit	O-Ring Seal	6 Sizes, 60 Seals Nitrile, 90 Duro	SAE Code 61 Flanges, SAE Code 62 Flanges

270-1545 Contents		
Part Number	Description	Qty.
4J-0520	SAE Code 61/62 Flange Seal	10
4J-0522	SAE Code 61/62 Flange Seal	10
4J-0524	SAE Code 61/62 Flange Seal	10

270-1545 Contents		
Part Number	Description	Qty.
4J-0527	SAE Code 61/62 Flange Seal	10
4J-5140	SAE Code 61/62 Flange Seal	10
4J-5267	SAE Code 61/62 Flange Seal	10
276-9578 ⁽⁵⁾	Utility Box	1

5 Not available for individual sale

O-Ring Seal Kits 271-0459 (SAE ORFS — FKM)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
271-0459	O-Ring Seal Kit	O-Ring Seal	8 Sizes, 40 Seals FKM, 90 Duro	SAE ORFS Fittings, High Temperature, High Pressure

271-0459 Kit Contents		
Part Number	Description	Qty.
228-7088	SAE O-Ring Face Seal	5
228-7089	SAE O-Ring Face Seal	5
228-7090	SAE O-Ring Face Seal	5
228-7091	SAE O-Ring Face Seal	5
228-7092	SAE O-Ring Face Seal	5

271-0459 Kit Contents		
Part Number	Description	Qty.
228-7093	SAE O-Ring Face Seal	5
228-7094	SAE O-Ring Face Seal	5
228-7095	SAE O-Ring Face Seal	5
276-9578 ⁽⁶⁾	Utility Box	1

O-Ring Seal Kits 271-0460 (SAE STOR — FKM)



- Include frequently used o-ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower cost-per hour.

Part Number	Description	Seal Type	Contents	Application(s)
271-0460	O-Ring Seal Kit	O-Ring Seal	13 Sizes, 65 Seals FKM, 90 Duro	SAE STOR Fittings High Temperature, High Pressure

271 Kit Contents		
Part Number	Description	Qty.
214-7566	SAE Straight Thread O-Ring Seal	5
214-7567	SAE Straight Thread O-Ring Seal	5
214-7568	SAE Straight Thread O-Ring Seal	5
228-7096	SAE Straight Thread O-Ring Seal	5
228-7097	SAE Straight Thread O-Ring Seal	5
238-5078	SAE Straight Thread O-Ring Seal	5
238-5079	SAE Straight Thread O-Ring Seal	5

271 Kit Contents		
Part Number	Description	Qty.
238-5080	SAE Straight Thread O-Ring Seal	5
238-5081	SAE Straight Thread O-Ring Seal	5
238-5082	SAE Straight Thread O-Ring Seal	5
238-5083	SAE Straight Thread O-Ring Seal	5
238-5084	SAE Straight Thread O-Ring Seal	5
238-5086	SAE Straight Thread O-Ring Seal	5
276-9578 ⁽⁶⁾	Utility Box	1

6 Not available for individual sale

General Use O-Ring Seal Kits

O-Ring Seal Kit 603-3605 (90A NBR)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
603-3605	O-Ring Seal Kit	O-Ring Seal	16 Sizes, 150 Seals Nitrile, 90 Duro	SAE STOR Fittings, SAE ORFS Fittings, SAE Code 61 Flanges, SAE Code 62 Flanges

603-3605 Kit Contents		
Part Number	Description	Qty.
2M-9780	SEAL-O-RING-STOR	6
3D-2824	SEAL-O-RING-STOR	5
3J-1907	SEAL-O-RING-STOR	15
3J-7354	SEAL-O-RING-STOR	5
3K-0360	SEAL-O-RING-STOR	10
4J-0520	SEAL-O-RING	10
4J-0522	SEAL-O-RING	10
4J-0524	SEAL-O-RING	10
4J-0527	SEAL-O-RING	10

603-3605 Kit Contents		
Part Number	Description	Qty.
4J-5267	SEAL-O-RING	10
5K-9090	SEAL-O-RING-ORFS	10
6V-8397	SEAL-O-RING-ORFS	14
6V-8398	SEAL-O-RING-ORFS	10
6V-9746	SEAL-O-RING-ORFS	10
7J-0204	SEAL-O-RING-STOR	10
7M-8485	SEAL-O-RING-STOR	5
276-9578 ⁽⁷⁾	BOX-UTILITY	1

7 Not available for individual sale

General Use O-Ring Seal Kits

O-Ring Seal Kit 610-1943 (90A NBR, SAE STOR Fittings)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1943	O-Ring Seal Kit	O-Ring Seal	13 Sizes, 195 Seals Nitrile, 90 Duro	SAE STOR Fittings

610-1943 Kit Contents		
Part Number	Description	Qty.
1J-9671	SEAL-O-RING-STOR	15
2M-9780	SEAL-O-RING-STOR	15
2S-4078	SEAL-O-RING-STOR	15
3D-2824	SEAL-O-RING-STOR	15
3J-1907	SEAL-O-RING-STOR	15
3J-7354	SEAL-O-RING-STOR	15
3K-0360	SEAL-O-RING-STOR	15

610-1943 Kit Contents		
Part Number	Description	Qty.
4J-7533	SEAL-O-RING-STOR	15
4K-1388	SEAL-O-RING-STOR	15
6K-6307	SEAL-O-RING-STOR	15
7J-0204	SEAL-O-RING-STOR	15
7M-8485	SEAL-O-RING-STOR	15
030-4606	SEAL-O-RING-STOR	15
276-9578 ⁽⁸⁾	BOX-UTILITY	1

O-Ring Seal Kit 610-1946 (90A FKM, SAE STOR Fittings)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1946	O-Ring Seal Kit	O-Ring Seal	13 Sizes, 195 Seals Nitrile, 90 Duro	SAE STOR Fittings High Temperature, High Pressure

610-1946 Kit Contents		
Part Number	Description	Qty.
238-5078	SEAL-O-RING-STOR	15
238-5079	SEAL-O-RING-STOR	15
214-7566	SEAL-O-RING-STOR	15
214-7567	SEAL-O-RING-STOR	15
214-7568	SEAL-O-RING-STOR	15
238-5080	SEAL-O-RING-STOR	15
238-5081	SEAL-O-RING-STOR	15

610-1946 Kit Contents		
Part Number	Description	Qty.
238-5082	SEAL-O-RING-STOR	15
238-5083	SEAL-O-RING-STOR	15
238-5084	SEAL-O-RING-STOR	15
228-7096	SEAL-O-RING-STOR	15
238-5086	SEAL-O-RING-STOR	15
228-7097	SEAL-O-RING-STOR	15
276-9578 ⁽⁸⁾	BOX-UTILITY	1

8 Not available for individual sale

General Use O-Ring Seal Kits

O-Ring Seal Kit 610-1947 (90A FKM, Metric STOR Fittings)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1947	O-Ring Seal Kit	O-Ring Seal	10 Sizes, 195 Seals FKM, 90 Duro	Metric STOR Fittings High Temperature, High Pressure

610-1943 Kit Contents		
Part Number	Description	Qty.
228-7099	SEAL-O-RING-STOR	15
8C-3076	SEAL-O-RING-STOR	15
228-7100	SEAL-O-RING-STOR	15
228-7101	SEAL-O-RING-STOR	15
228-7102	SEAL-O-RING-STOR	15
228-7103	SEAL-O-RING-STOR	15

610-1947 Kit Contents		
Part Number	Description	Qty.
228-7105	SEAL-O-RING-STOR	15
228-7106	SEAL-O-RING-STOR	15
215-4639	SEAL-O-RING-STOR	15
228-7108	SEAL-O-RING-STOR	15
276-9578 ⁽⁹⁾	BOX-UTILITY	1

O-Ring Seal Kit 610-1950 (90A FKM, SAE ORFS Fittings)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1950	O-Ring Seal Kit	O-Ring Seal	8 Sizes, 120 Seals FKM,90 Duro	SAE ORFS Fittings High Temperature, High Pressure

610-1950 Kit Contents		
Part Number	Description	Qty.
228-7088	SEAL-O-RING	15
228-7089	SEAL-O-RING-ORFS	15
228-7090	SEAL-O-RING	15
228-7091	SEAL-O-RING-ORFS	15
228-7092	SEAL-O-RING	15

610-1950 Kit Contents		
Part Number	Description	Qty.
228-7093	SEAL-O-RING	15
228-7094	SEAL-O-RING	15
228-7095	SEAL-O-RING-ORFS	15
276-9578 ⁽⁹⁾	BOX-UTILITY	1

General Use O-Ring Seal Kits

O-Ring Seal Kit 610-1951 (90A NBR, SAE Code 61 & 62 Flanges)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1951	O-Ring Seal Kit	O-Ring Seal	10 Sizes, 150 Seals Nitrile, 90 Duro	SAE Code 61 Flanges, SAE Code 62 Flanges

610-1951 Kit Contents		
Part Number	Description	Qty.
4J-0520	SEAL-O-RING	15
4J-0522	SEAL-O-RING	15
4J-0524	SEAL-O-RING	15
4J-0527	SEAL-O-RING	15
4J-5140	SEAL-O-RING	15
4J-5267	SEAL-O-RING	15

610-1951 Kit Contents		
Part Number	Description	Qty.
6J-2680	SEAL-O-RING	15
117-1266	SEAL-O-RING	15
9X-4611	SEAL-O-RING	15
3E-6703	SEAL-O-RING	15
276-9578 ⁽¹⁰⁾	BOX-UTILITY	1

O-Ring Seal Kit 610-1954 (90A NBR, CAT Flange Rectangular Seals)



- Include frequently used o-ring sizes, reducing the need to order individual seals
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

Part Number	Description	Seal Type	Contents	Application(s)
610-1954	O-Ring Seal Kit	O-Ring Seal	5 Sizes, 50 Seals Rectangular FKM, 90 Duro	CAT Flange Rectangular Seals High Temperature, High Pressure

610-1954 Kit Contents		
Part Number	Description	Qty.
235-2474	SEAL-RECTANGULAR	10
235-2476	SEAL-RECTANGULAR	10
235-2480	SEAL-RECTANGULAR	10

610-1954 Kit Contents		
Part Number	Description	Qty.
235-2481	SEAL-RECTANGULAR	10
235-2482	SEAL-RECTANGULAR	10
276-9578 ⁽¹⁰⁾	BOX-UTILITY	1

¹⁰ Not available for individual sale

Seal Picks

627-3287 Seal Pick

- Used to remove and install all types of oil seals
- One end of pick is pointed for prying out flexible seals
- Blunt, hook end is used to align seals for installation and to eliminate the twist that occurs when installing O-ring or quad-ring seals

Part Number	Description
627-3287	Seal Pick



195-4609 Seal Pick

- Used to remove cylinder rod seals
- Large size allows faster and easier removal of seals from large hydraulic cylinders
- Heavy-duty design

Part Number	Description	Length
195-4609	Seal Pick	248.0 mm (9.80 in)



5P-7414 Seal Pick Kit

Part Number	Description
5P-7414	Seal Pick



1 Not available for individual sale

Assembly Aid/Lubricant

Multi-Purpose Assembly Aid - Tube

- Used to aid in assembly of O-rings
- Previously called Petro Gel Amber
- Not compatible with EPDM or Silicone
- Not compatible with STOR/ORFS fitting applications

Part Number	Description
369-9451	Multi-Purpose Assembly Aid - Tube



Multi-Purpose Assembly Aid - Can

- Used to aid in assembly of O-rings
- Previously called Petro Gel Amber
- Not compatible with EPDM or Silicone
- Not compatible with STOR/ORFS fitting applications

Part Number	Description
369-9450	Petro Gel Amber - Can



1 Not available for individual sale