

O-Ring Standard Size Chart

000	Nominal Cross Section:	Actual:
	1/16"	0.070 ± .003 in
		1.78 ± .08 mm

100	Nominal Cross Section:	Actual:
	3/32"	.103 ± .003 in
		2.62 ± .008 mm

200	Nominal Cross Section:	Actual:
	1/8"	.139 ± .004 in
		3.53 ± .010 mm

300	Nominal Cross Section:	Actual:
	3/16"	.210 ± .005 in
		5.33 ± .013 mm

400	Nominal Cross Section:	Actual:
	1/4"	.275 ± .006 in
		6.99 ± .015 mm

Boss Seals

O-rings used for sealing straight-thread tube fittings on a boss.

Size	Nominal (in)		Actual ID			
	I.D.	O.D.	in	±	mm	±
001	1/32	3/32	0.029	0.004	0.74	0.10
002	3/64	9/64	0.042	0.004	1.07	0.10
003	1/16	3/16	0.056	0.004	1.42	0.10
004	5/64	13/16	0.070	0.005	1.78	0.13
005	3/32	7/32	0.101	0.005	2.57	0.13
006	1/8	1/4	0.114	0.005	2.90	0.13
007	5/32	9/32	0.145	0.005	3.68	0.13
008	3/16	5/16	0.176	0.005	4.47	0.13
009	7/32	11/32	0.208	0.005	5.28	0.13
010	1/4	3/8	0.239	0.005	6.07	0.13
011	5/16	7/16	0.301	0.005	7.65	0.13
012	3/8	1/2	0.364	0.005	9.25	0.13
013	7/16	9/16	0.426	0.005	10.82	0.13
014	1/2	5/8	0.489	0.005	12.42	0.13
015	9/16	11/16	0.551	0.007	14.00	0.18
016	5/8	3/4	0.614	0.009	15.60	0.23
017	11/16	13/16	0.676	0.009	17.17	0.23
018	3/4	7/8	0.739	0.009	18.77	0.23
019	13/16	15/16	0.801	0.009	20.35	0.23
020	7/8	1	0.864	0.009	21.95	0.23
021	15/16	1-1/16	0.926	0.009	23.52	0.23
022	1	1.125	0.989	0.010	25.12	0.25
023	1-1/16	1-3/16	1.051	0.010	26.70	0.25
024	1-1/8	1-1/4	1.114	0.010	28.30	0.25
025	1-3/16	1-5/16	1.176	0.011	29.87	0.28
026	1-1/4	1-3/8	1.239	0.011	31.47	0.28
027	1-5/16	1-7/16	1.301	0.011	33.05	0.28
028	1-3/8	1-1/2	1.364	0.013	34.65	0.33
029	1-1/2	1-5/8	1.489	0.013	37.82	0.33
030	1-5/8	1-3/4	1.614	0.013	41.00	0.33
031	1-3/4	1-7/8	1.739	0.015	44.17	0.38
032	1-7/8	2	1.864	0.015	47.35	0.38
033	2	2-1/8	1.989	0.018	50.52	0.46
034	2-1/8	2-1/4	2.114	0.018	53.70	0.46
035	2-1/4	2-3/8	2.239	0.018	56.87	0.46
036	2-3/8	2-1/2	2.364	0.018	60.05	0.46
037	2-1/2	2-5/8	2.489	0.018	63.22	0.46
038	2-5/8	2-3/4	2.614	0.020	66.40	0.51
039	2-3/4	2-7/8	2.739	0.020	69.57	0.51
040	2-7/8	3	2.864	0.020	72.75	0.51
041	3	3-1/8	2.989	0.024	75.92	0.61
042	3-1/4	3-3/8	3.239	0.024	82.27	0.61
043	3-1/2	3-5/8	3.489	0.024	88.62	0.61
044	3-3/4	3-7/8	3.739	0.027	94.97	0.69
045	4	4-1/8	3.989	0.027	101.32	0.69
046	4-1/4	4-3/8	4.239	0.030	107.67	0.76
047	4-1/2	4-5/8	4.489	0.030	114.02	0.76
048	4-3/4	4-7/8	4.739	0.030	120.37	0.76
049	5	5-1/8	4.989	0.037	126.72	0.94
050	5-1/4	5-3/8	5.239	0.037	133.07	0.94

Size	Nominal (in)		Actual ID			
	I.D.	O.D.	in	±	mm	±
102	1/16	1/4	0.049	0.005	1.24	0.13
103	3/32	9/32	0.081	0.005	2.06	0.13
104	1/8	5/16	0.112	0.005	2.84	0.13
105	5/32	11/32	0.143	0.005	3.63	0.13
106	3/16	3/8	0.174	0.005	4.42	0.13
107	7/32	13/32	0.206	0.005	5.23	0.13
108	1/4	7/16	0.237	0.005	6.02	0.13
109	5/16	1/2	0.299	0.005	7.59	0.13
110	3/8	9/16	0.362	0.005	9.19	0.13
111	7/16	5/8	0.424	0.005	10.77	0.13
112	1/2	11/16	0.487	0.005	12.37	0.13
113	9/16	3/4	0.549	0.007	13.94	0.18
114	5/8	13/16	0.612	0.009	15.54	0.23
115	11/16	7/8	0.674	0.009	17.12	0.23
116	3/4	15/16	0.737	0.009	18.72	0.23
117	13/16	1	0.799	0.010	20.29	0.25
118	7/8	1-1/16	0.862	0.010	21.89	0.25
119	13/16	1-1/8	0.924	0.010	23.47	0.25
120	1	1-3/16	0.987	0.010	25.07	0.25
121	1-1/16	1-1/4	1.049	0.010	26.64	0.25
122	1-1/8	1-5/16	1.112	0.010	28.24	0.25
123	1-3/16	1-3/8	1.174	0.012	29.82	0.30
124	1-1/4	1-7/16	1.237	0.012	31.42	0.30
125	1-5/16	1-1/2	1.299	0.012	32.99	0.30
126	1-3/8	1-9/16	1.362	0.012	34.59	0.30
127	1-7/16	1-5/8	1.424	0.012	36.17	0.30
128	1-1/2	1-11/16	1.487	0.012	37.77	0.30
129	1-9/16	1-3/4	1.549	0.015	39.34	0.38
130	1-5/8	1-13/16	1.612	0.015	40.94	0.38
131	1-11/16	1-7/8	1.674	0.015	42.52	0.38
132	1-3/4	1-15/16	1.737	0.015	44.12	0.38
133	1-13/16	2	1.799	0.015	45.69	0.38
134	1-7/8	2-1/16	1.862	0.015	47.29	0.38
135	1-15/16	2-1/8	1.925	0.017	48.90	0.43
136	2	2-3/16	1.987	0.017	50.47	0.43
137	2-1/16	2-1/4	2.050	0.017	52.07	0.43
138	2-1/8	2-5/16	2.112	0.017	53.64	0.43
139	2-3/16	2-3/8	2.175	0.017	55.25	0.43
140	2-1/4	2-7/16	2.237	0.017	56.82	0.43
141	2-5/16	2-1/2	2.300	0.020	58.42	0.51
142	2-3/8	2-9/16	2.362	0.020	59.99	0.51
143	2-7/16	2-5/8	2.425	0.020	61.60	0.51
144	2-1/2	2-11/16	2.487	0.020	63.17	0.51
145	2-9/16	2-3/4	2.550	0.020	64.77	0.51
146	2-5/8	2-13/16	2.612	0.020	66.34	0.51
147	2-11/16	2-7/8	2.675	0.022	67.95	0.56
148	2-3/4	2-15/16	2.737	0.022	69.52	0.56
149	2-13/16	3	2.800	0.022	71.12	0.56
150	2-7/8	3-1/16	2.862	0.022	72.69	0.56
151	3	3-3/16	2.987	0.024	75.87	0.61
152	3-1/4	3-7/16	3.237	0.024	82.22	0.61
153	3-1/2	3-11/16	3.487	0.024	88.57	0.61
154	3-3/4	3-15/16	3.737	0.028	94.92	0.71
155	4	4-3/16	3.987	0.028	101.27	0.71
156	4-1/4	4-7/16	4.237	0.030	107.62	0.76
157	4-1/2	4-11/16	4.487	0.030	113.97	0.76
158	4-3/4	4-15/16	4.737	0.030	120.32	0.76
159	5	5-3/16	4.987	0.035	126.67	0.89
160	5-1/4	5-7/16	5.237	0.035	133.02	0.89
161	5-1/2	5-11/16	5.487	0.035	139.37	0.89
162	5-3/4	5-15/16	5.737	0.035	145.72	0.89
163	6	6-3/16	5.987	0.035	152.07	0.89
164	6-1/4	6-7/16	6.237	0.040	158.42	1.02
165	6-1/2	6-11/16	6.487	0.040	164.77	1.02
166	6-3/4	6-15/16	6.737	0.040	171.12	1.02
167	7	7-3/16	6.987	0.040	177.47	1.02
168	7-1/4	7-7/16	7.237	0.045	183.82	1.14
169	7-1/2	7-11/16	7.487	0.045	190.17	1.14
170	7-3/4	7-15/16	7.737	0.045	196.52	1.14
171	8	8-3/16	7.987	0.045	202.87	1.14
172	8-1/4	8-7/16	8.237	0.050	209.22	1.27
173	8-1/2	8-11/16	8.487	0.050	215.57	1.27
174	8-3/4	8-15/16	8.737	0.050	221.92	1.27
175	9	9-3/16	8.987	0.050	228.27	1.27
176	9-1/4	9-7/16	9.237	0.055	234.62	1.40
177	9-1/2	9-11/16	9.487	0.055	240.97	1.40
178	9-3/4	9-15/16	9.737	0.055	247.32	1.40

Size	Nominal (in)		Actual ID			
	I.D.	O.D.	in	±	mm	±
201	3/16	7/16	0.171	0.005	4.34	0.13
202	1/4	1/2	0.234	0.005	5.94	0.13
203	5/16	9/16	0.296	0.005	7.52	0.13
204	3/8	5/8	0.359	0.005	9.12	0.13
205	7/16	11/16	0.421	0.005	10.69	0.13
206	1/2	3/4	0.484	0.005	12.29	0.13
207	9/16	13/16	0.546	0.007	13.87	0.18
208	5/8	7/8	0.609	0.009	15.47	0.23
209	11/16	15/16	0.671	0.009	17.04	0.23
210	3/4	1	0.734	0.010	18.64	0.25
211	13/16	1-1/16	0.796	0.010	20.22	0.25
212	7/8	1-1/8	0.859	0.010	21.82	0.25
213	15/16	1-3/16	0.921	0.010	23.39	0.25
214	1	1-1/4	0.984	0.010	24.99	0.25
215	1-1/16	1-5/16	1.046	0.010	26.57	0.25
216	1-1/8	1-3/8	1.109	0.012	28.17	0.30
217	1-3/16	1-7/16	1.171	0.012	29.74	0.30
218	1-1/4	1-1/2	1.234	0.012	31.34	0.30
219	1-5/16	1-9/16	1.296	0.012	32.92	0.30
220	1-3/8	1-5/8	1.359	0.012	34.52	0.30
221	1-7/16	1-11/16	1.421	0.012	36.09	0.30
222	1-1/2	1-3/4	1.484	0.015	37.69	0.38
223	1-5/8	1-7/8	1.609	0.015	40.87	0.38
224	1-3/4	2	1.734	0.015	44.04	0.38
225	1-7/8	2-1/8	1.859	0.018	47.22	0.46
226	2	2-1/4	1.984	0.018	50.39	0.46
227	2-1/8	2-3/8	2.109	0.018	53.57	0.46
228	2-1/4	2-1/2	2.234	0.020	56.74	0.51
229	2-3/8	2-5/8	2.359	0.020	59.92	0.51
230	2-1/2	2-3/4	2.484	0.020	63.09	0.51