

International O-ring Standard Sizes

Millimeters			BS Size Reference	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
1.78	0.13	1.02 +/- 0.08	606	0.070	0.005	0.040 +/- 0.003
2.54	0.13		607	0.100	0.005	
3.17	0.13	1.78 +/- 0.08	801	0.125	0.005	0.070 +/- 0.003
4.76	0.13		802	0.187	0.005	
6.35	0.13		803	0.250	0.005	
6.75	0.13		610	0.266	0.005	
7.94	0.13		804	0.313	0.005	
8.73	0.13		611	0.344	0.005	
11.11	0.13		806	0.437	0.005	
36.27	0.38		517	1.428	0.015	
39.45	0.38		519	1.553	0.015	
79.00	0.51		532	3.110	0.020	
85.34	0.51		534	3.360	0.020	
91.70	0.51		536	3.610	0.020	
98.05	0.51		538	3.860	0.020	
104.40	0.51		540	4.110	0.020	
110.74	0.51		542	4.360	0.020	
117.10	0.51		544	4.610	0.020	
123.44	0.51		546	4.860	0.020	
129.40	0.71		548	5.094	0.028	
135.76	0.71		550	5.345	0.028	
138.94	0.71		551	5.470	0.028	
142.11	0.71		552	5.595	0.028	
145.29	0.71		553	5.720	0.028	
148.46	0.71		554	5.845	0.028	
151.64	0.71		555	5.970	0.028	
154.81	0.71		556	6.095	0.028	
158.00	0.71		557	6.220	0.028	
161.16	0.71		558	6.345	0.028	
164.43	0.71		559	6.474	0.028	
167.51	0.71		560	6.595	0.028	
170.69	0.71		561	6.720	0.028	
173.87	0.71		562	6.845	0.028	
9.92	0.13	2.62 +/- 0.08	613	0.391	0.005	0.103 +/- 0.003
11.91	0.13		614	0.469	0.005	
12.70	0.13		807	0.500	0.005	
13.10	0.13		615	0.516	0.005	
15.08	0.13		616	0.594	0.005	
15.88	0.13		809	0.625	0.005	
17.46	0.13		810	0.687	0.005	
17.86	0.13		617	0.703	0.005	
20.64	0.15		812	0.813	0.006	
22.23	0.15		813	0.875	0.006	
23.81	0.15		814	0.937	0.006	
74.30	0.38		640	2.925	0.015	
77.50	0.38		641	3.051	0.015	
80.60	0.38		642	3.173	0.015	
83.80	0.38		643	3.299	0.015	

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Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
25.80	0.15	3.53 +/- 0.10	618	1.016	0.006	0.139 +/- 0.004
39.70	0.25		824	1.563	0.010	
41.28	0.25		825	1.625	0.010	
42.86	0.25		826	1.687	0.010	
44.45	0.25		827	1.750	0.010	
46.04	0.25		828	1.813	0.010	
47.62	0.25		829	1.875	0.010	
49.20	0.25		830	1.937	0.010	
50.80	0.25		831	2.000	0.010	
52.40	0.25		832	2.063	0.010	
53.97	0.25		833	2.125	0.010	
55.56	0.25		834	2.187	0.010	
57.15	0.25		835	2.250	0.010	
58.74	0.25		836	2.313	0.010	
60.32	0.25		837	2.375	0.010	
61.90	0.25		838	2.437	0.010	
63.50	0.25		839	2.500	0.010	
65.10	0.25		840	2.563	0.010	
66.67	0.38		841	2.625	0.015	
68.26	0.38		842	2.687	0.015	
69.85	0.38		843	2.750	0.015	
71.44	0.38		844	2.813	0.015	
73.02	0.38		845	2.875	0.015	
74.60	0.38		846	2.937	0.015	
74.63	0.38	5.33 +/- 0.13	619	2.938	0.015	0.210 +/- 0.005
79.77	0.38		620	3.141	0.015	
89.69	0.38		621	3.531	0.015	
100.00	0.38		622	3.937	0.015	
109.54	0.38		623	4.313	0.015	
117.48	0.38		860	4.625	0.015	
120.65	0.38		861	4.750	0.015	
123.83	0.38		862	4.875	0.015	
127.00	0.58		863	5.000	0.023	
130.18	0.58		864	5.125	0.023	
133.35	0.58		865	5.250	0.023	
136.53	0.58		866	5.375	0.023	
139.70	0.58		867	5.500	0.023	
142.88	0.58		868	5.625	0.023	
146.05	0.58		869	5.750	0.023	
149.23	0.58		870	5.875	0.023	
155.00	0.58		644	6.102	0.023	
161.30	0.58		645	6.350	0.023	
167.70	0.58		646	6.602	0.023	
174.00	0.58		647	6.850	0.023	
114.70	0.38	6.99 +/- 0.15	624	4.516	0.015	0.275 +/- 0.006
124.60	0.38		625	4.906	0.015	
134.50	0.58		626	5.295	0.023	
155.60	0.58		872	6.126	0.023	
159.50	0.58		627	6.280	0.023	
161.90	0.58		874	6.374	0.023	
166.70	0.58		628	6.563	0.023	
168.30	0.58		876	6.626	0.023	

