

# International O-ring Standard Sizes

Millimeters			BS4518 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
3.10	0.15	1.60 +/- 0.08	BS4518 0031-16	0.122	0.006	0.063 +/- 0.003
4.10	0.15		BS4518 0041-16	0.161	0.006	
5.10	0.15		BS4518 0051-16	0.201	0.006	
6.10	0.15		BS4518 0061-16	0.240	0.006	
7.10	0.15		BS4518 0071-16	0.280	0.006	
8.10	0.15		BS4518 0081-16	0.319	0.006	
9.10	0.15		BS4518 0091-16	0.358	0.006	
10.10	0.20		BS4518 0101-16	0.398	0.008	
11.10	0.20		BS4518 0111-16	0.437	0.008	
12.10	0.20		BS4518 0121-16	0.476	0.008	
13.10	0.20		BS4518 0131-16	0.516	0.008	
14.10	0.20		BS4518 0141-16	0.555	0.008	
15.10	0.20		BS4518 0151-16	0.594	0.008	
16.10	0.20		BS4518 0161-16	0.634	0.008	
17.10	0.20		BS4518 0171-16	0.673	0.008	
18.10	0.25		BS4518 0181-16	0.713	0.010	
19.10	0.25		BS4518 0191-16	0.752	0.010	
22.10	0.25		BS4518 0221-16	0.870	0.010	
25.10	0.25		BS4518 0251-16	0.988	0.010	
27.10	0.25		BS4518 0271-16	1.067	0.010	
29.10	0.25		BS4518 0291-16	1.146	0.010	
32.10	0.30		BS4518 0321-16	1.264	0.012	
35.10	0.30		BS4518 0351-16	1.382	0.012	
37.10	0.30		BS4518 0371-16	1.461	0.012	
3.60	0.15	2.40 +/- 0.08	BS4518 0036-24	0.142	0.006	0.094 +/- 0.003
4.60	0.15		BS4518 0046-24	0.181	0.006	
5.60	0.15		BS4518 0056-24	0.220	0.006	
6.60	0.15		BS4518 0066-24	0.260	0.006	
7.60	0.15		BS4518 0076-24	0.299	0.006	
8.60	0.15		BS4518 0086-24	0.339	0.006	
9.60	0.15		BS4518 0096-24	0.378	0.006	
10.60	0.20		BS4518 0106-24	0.417	0.008	
11.60	0.20		BS4518 0116-24	0.457	0.008	
12.60	0.20		BS4518 0126-24	0.496	0.008	
13.60	0.20		BS4518 0136-24	0.535	0.008	
14.60	0.20		BS4518 0146-24	0.575	0.008	
15.60	0.20		BS4518 0156-24	0.614	0.008	
16.60	0.20		BS4518 0166-24	0.654	0.008	
17.60	0.20		BS4518 0176-24	0.693	0.008	
18.60	0.25		BS4518 0186-24	0.732	0.010	
19.60	0.25		BS4518 0196-24	0.772	0.010	
20.60	0.25		BS4518 0206-24	0.811	0.010	
21.60	0.25		BS4518 0216-24	0.850	0.010	
24.60	0.25		BS4518 0246-24	0.969	0.010	
27.60	0.25		BS4518 0276-24	1.087	0.010	
29.60	0.25		BS4518 0296-24	1.165	0.010	
31.60	0.30		BS4518 0316-24	1.244	0.012	
34.60	0.30		BS4518 0346-24	1.362	0.012	
35.60	0.30		BS4518 0356-24	1.402	0.012	
37.60	0.30		BS4518 0376-24	1.480	0.012	
39.60	0.30		BS4518 0396-24	1.559	0.012	
41.60	0.30		BS4518 0416-24	1.638	0.012	
44.60	0.30		BS4518 0446-24	1.756	0.012	
45.60	0.30		BS4518 0456-24	1.795	0.012	
47.60	0.30		BS4518 0476-24	1.874	0.012	
49.60	0.30		BS4518 0496-24	1.953	0.012	
51.60	0.40		BS4518 0516-24	2.031	0.016	
54.60	0.40		BS4518 0546-24	2.150	0.016	
55.60	0.40	BS4518 0556-24	2.189	0.016		
57.60	0.40	BS4518 0576-24	2.268	0.016		

BS4518 British Standard O-ring sizes (metric)

# International O-ring Standard Sizes

Millimeters			BS4518 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
58.60	0.40	2.40 +/- 0.08	BS4518 0586-24	2.307	0.016	0.094 +/- 0.003
59.60	0.40		BS4518 0596-24	2.346	0.016	
61.60	0.40		BS4518 0616-24	2.425	0.016	
62.60	0.40		BS4518 0626-24	2.465	0.016	
64.60	0.40		BS4518 0646-24	2.543	0.016	
67.60	0.40		BS4518 0676-24	2.661	0.016	
69.60	0.40		BS4518 0696-24	2.740	0.016	
19.50	0.25	3.00 +/- 0.10	BS4518 0195-30	0.768	0.010	0.118 +/- 0.004
21.50	0.25		BS4518 0215-30	0.846	0.010	
22.50	0.25		BS4518 0225-30	0.886	0.010	
24.50	0.25		BS4518 0245-30	0.965	0.010	
25.50	0.25		BS4518 0255-30	1.004	0.010	
26.50	0.25		BS4518 0265-30	1.043	0.010	
27.50	0.25		BS4518 0275-30	1.083	0.010	
29.50	0.25		BS4518 0295-30	1.161	0.010	
31.50	0.30		BS4518 0315-30	1.240	0.012	
32.50	0.30		BS4518 0325-30	1.280	0.012	
34.50	0.30		BS4518 0345-30	1.358	0.012	
35.50	0.30		BS4518 0355-30	1.398	0.012	
36.50	0.30		BS4518 0365-30	1.437	0.012	
37.50	0.30		BS4518 0375-30	1.476	0.012	
39.50	0.30		BS4518 0395-30	1.555	0.012	
41.50	0.30		BS4518 0415-30	1.634	0.012	
42.50	0.30		BS4518 0425-30	1.673	0.012	
44.50	0.30		BS4518 0445-30	1.752	0.012	
49.50	0.30		BS4518 0495-30	1.949	0.012	
54.50	0.40		BS4518 0545-30	2.146	0.016	
55.50	0.40		BS4518 0555-30	2.185	0.016	
57.50	0.40		BS4518 0575-30	2.264	0.016	
59.50	0.40		BS4518 0595-30	2.343	0.016	
62.50	0.40		BS4518 0625-30	2.461	0.016	
64.50	0.40		BS4518 0645-30	2.539	0.016	
69.50	0.40		BS4518 0695-30	2.736	0.016	
74.50	0.40		BS4518 0745-30	2.933	0.016	
79.50	0.40		BS4518 0795-30	3.130	0.016	
84.50	0.50		BS4518 0845-30	3.327	0.020	
89.50	0.50		BS4518 0895-30	3.524	0.020	
94.50	0.50		BS4518 0945-30	3.720	0.020	
99.50	0.50		BS4518 0995-30	3.917	0.020	
104.50	0.50		BS4518 1045-30	4.114	0.020	
109.50	0.50		BS4518 1095-30	4.311	0.020	
114.50	0.50		BS4518 1145-30	4.508	0.020	
119.50	0.50		BS4518 1195-30	4.705	0.020	
124.50	0.60		BS4518 1245-30	4.902	0.024	
129.50	0.60		BS4518 1295-30	5.098	0.024	
134.50	0.60		BS4518 1345-30	5.295	0.024	
139.50	0.60		BS4518 1395-30	5.492	0.024	
144.50	0.60		BS4518 1445-30	5.689	0.024	
149.50	0.60		BS4518 1495-30	5.886	0.024	
154.50	0.60	BS4518 1545-30	6.083	0.024		
159.50	0.60	BS4518 1595-30	6.280	0.024		
164.50	0.60	BS4518 1645-30	6.476	0.024		
169.50	0.60	BS4518 1695-30	6.673	0.024		
174.50	0.60	BS4518 1745-30	6.870	0.024		
179.50	0.60	BS4518 1795-30	7.067	0.024		
184.50	0.80	BS4518 1845-30	7.264	0.031		
189.50	0.80	BS4518 1895-30	7.461	0.031		
194.50	0.80	BS4518 1945-30	7.657	0.031		
199.50	0.80	BS4518 1995-30	7.854	0.031		
209.50	0.80	BS4518 2095-30	8.248	0.031		

BS4518 British Standard O-ring sizes (metric)

# International O-ring Standard Sizes

Millimeters			BS4518 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
219.50	0.80	3.00 +/- 0.10	BS4518 2195-30	8.642	0.031	0.118 +/- 0.004
229.50	0.80		BS4518 2295-30	9.035	0.031	
239.50	0.80		BS4518 2395-30	9.429	0.031	
244.50	0.80		BS4518 2445-30	9.626	0.031	
249.50	0.80		BS4518 2495-30	9.823	0.031	
44.30	0.30	5.70 +/- 0.12	BS4518 0443-57	1.744	0.012	0.224 +/- 0.005
45.30	0.30		BS4518 0453-57	1.783	0.012	
49.30	0.30		BS4518 0493-57	1.941	0.012	
52.30	0.40		BS4518 0523-57	2.059	0.016	
54.30	0.40		BS4518 0543-57	2.138	0.016	
55.30	0.40		BS4518 0553-57	2.177	0.016	
59.30	0.40		BS4518 0593-57	2.335	0.016	
62.30	0.40		BS4518 0623-57	2.453	0.016	
64.30	0.40		BS4518 0643-57	2.531	0.016	
69.30	0.40		BS4518 0693-57	2.728	0.016	
74.30	0.40		BS4518 0743-57	2.925	0.016	
79.30	0.40		BS4518 0793-57	3.122	0.016	
84.30	0.50		BS4518 0843-57	3.319	0.020	
89.30	0.50		BS4518 0893-57	3.516	0.020	
94.30	0.50		BS4518 0943-57	3.713	0.020	
99.30	0.50		BS4518 0993-57	3.909	0.020	
104.30	0.50		BS4518 1043-57	4.106	0.020	
109.30	0.50		BS4518 1093-57	4.303	0.020	
114.30	0.50		BS4518 1143-57	4.500	0.020	
119.30	0.50		BS4518 1193-57	4.697	0.020	
124.30	0.60		BS4518 1243-57	4.894	0.024	
129.30	0.60		BS4518 1293-57	5.091	0.024	
134.30	0.60		BS4518 1343-57	5.287	0.024	
139.30	0.60		BS4518 1393-57	5.484	0.024	
144.30	0.60		BS4518 1443-57	5.681	0.024	
149.30	0.60		BS4518 1493-57	5.878	0.024	
154.30	0.60		BS4518 1543-57	6.075	0.024	
159.30	0.60		BS4518 1593-57	6.272	0.024	
164.30	0.60		BS4518 1643-57	6.469	0.024	
169.30	0.60		BS4518 1693-57	6.665	0.024	
174.30	0.60		BS4518 1743-57	6.862	0.024	
179.30	0.60		BS4518 1793-57	7.059	0.024	
184.30	0.80		BS4518 1843-57	7.256	0.031	
189.30	0.80		BS4518 1893-57	7.453	0.031	
194.30	0.80		BS4518 1943-57	7.650	0.031	
199.30	0.80	BS4518 1993-57	7.846	0.031		
209.30	0.80	BS4518 2093-57	8.240	0.031		
219.30	0.80	BS4518 2193-57	8.634	0.031		
229.30	0.80	BS4518 2293-57	9.028	0.031		
239.30	0.80	BS4518 2393-57	9.421	0.031		
249.30	0.80	BS4518 2493-57	9.815	0.031		
259.30	1.00	BS4518 2593-57	10.209	0.039		
269.30	1.00	BS4518 2693-57	10.602	0.039		
279.30	1.00	BS4518 2793-57	10.996	0.039		
289.30	1.00	BS4518 2893-57	11.390	0.039		
299.30	1.00	BS4518 2993-57	11.783	0.039		
309.30	1.50	BS4518 3093-57	12.177	0.059		
319.30	1.50	BS4518 3193-57	12.571	0.059		
339.30	1.50	BS4518 3393-57	13.358	0.059		
359.30	1.50	BS4518 3593-57	14.146	0.059		
379.30	1.50	BS4518 3793-57	14.933	0.059		
389.30	1.50	BS4518 3893-57	15.327	0.059		
399.30	1.50	BS4518 3993-57	15.720	0.059		
419.30	2.00	BS4518 4193-57	16.508	0.079		
439.30	2.00	BS4518 4393-57	17.295	0.079		

BS4518 British Standard O-ring sizes (metric)

# International O-ring Standard Sizes

Millimeters			BS4518 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
459.30	2.00	<b>5.70</b> +/- 0.12	BS4518 4593-57	18.083	0.079	<b>0.224</b> +/- 0.005
479.30	2.00		BS4518 4793-57	18.870	0.079	
489.30	2.00		BS4518 4893-57	19.264	0.079	
499.30	2.00		BS4518 4993-57	19.657	0.079	
144.10	0.60	<b>8.40</b> +/- 0.15	BS4518 1441-84	5.673	0.024	<b>0.331</b> +/- 0.006
149.10	0.60		BS4518 1491-84	5.870	0.024	
154.10	0.60		BS4518 1541-84	6.067	0.024	
159.10	0.60		BS4518 1591-84	6.264	0.024	
164.10	0.60		BS4518 1641-84	6.461	0.024	
169.10	0.60		BS4518 1691-84	6.657	0.024	
174.10	0.60		BS4518 1741-84	6.854	0.024	
179.10	0.60		BS4518 1791-84	7.051	0.024	
184.10	0.80		BS4518 1841-84	7.248	0.031	
189.10	0.80		BS4518 1891-84	7.445	0.031	
194.10	0.80		BS4518 1941-84	7.642	0.031	
199.10	0.80		BS4518 1991-84	7.839	0.031	
204.10	0.80		BS4518 2041-84	8.035	0.031	
209.10	0.80		BS4518 2091-84	8.232	0.031	
219.10	0.80		BS4518 2191-84	8.626	0.031	
229.10	0.80		BS4518 2291-84	9.020	0.031	
234.10	0.80		BS4518 2341-84	9.217	0.031	
239.10	0.80		BS4518 2391-84	9.413	0.031	
249.10	0.80		BS4518 2491-84	9.807	0.031	

BS4518 British Standard O-ring sizes (metric)