

International O-ring Standard Sizes

Millimeters			BS1806 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
0.74	0.10	1.02 +/- 0.08	BS1806-001	0.029	0.004	0.040 +/- 0.003
1.07	0.10	1.27 +/- 0.08	BS1806-002	0.042	0.004	0.050 +/- 0.003
1.42	0.10	1.53 +/- 0.08	BS1806-003	0.056	0.004	0.060 +/- 0.003
1.78	0.13	1.78 +/- 0.08	BS1806-004	0.070	0.005	0.070 +/- 0.003
2.57	0.13		BS1806-005	0.101	0.005	
2.90	0.13		BS1806-006	0.114	0.005	
3.69	0.13		BS1806-007	0.145	0.005	
4.47	0.13		BS1806-008	0.176	0.005	
5.28	0.13		BS1806-009	0.208	0.005	
6.07	0.13		BS1806-010	0.239	0.005	
7.65	0.13		BS1806-011	0.301	0.005	
9.25	0.13		BS1806-012	0.364	0.005	
10.82	0.13		BS1806-013	0.426	0.005	
12.42	0.13		BS1806-014	0.489	0.005	
14.00	0.18		BS1806-015	0.551	0.007	
15.60	0.23		BS1806-016	0.614	0.009	
17.16	0.23		BS1806-017	0.676	0.009	
18.77	0.23		BS1806-018	0.739	0.009	
20.35	0.23		BS1806-019	0.801	0.009	
21.95	0.23		BS1806-020	0.864	0.009	
23.52	0.23		BS1806-021	0.926	0.009	
25.12	0.25		BS1806-022	0.989	0.010	
26.70	0.25		BS1806-023	1.051	0.010	
28.30	0.25		BS1806-024	1.114	0.010	
29.87	0.28		BS1806-025	1.176	0.011	
31.47	0.28		BS1806-026	1.239	0.011	
33.05	0.28		BS1806-027	1.301	0.011	
34.65	0.33		BS1806-028	1.364	0.013	
37.82	0.33		BS1806-029	1.489	0.013	
41.00	0.33		BS1806-030	1.614	0.013	
44.17	0.38		BS1806-031	1.739	0.015	
47.35	0.38		BS1806-032	1.864	0.015	
50.52	0.46		BS1806-033	1.989	0.018	
53.70	0.46		BS1806-034	2.114	0.018	
56.87	0.46		BS1806-035	2.239	0.018	
60.04	0.46		BS1806-036	2.364	0.018	
63.22	0.46	BS1806-037	2.489	0.018		
66.40	0.51	BS1806-038	2.614	0.020		
69.57	0.51	BS1806-039	2.739	0.020		
72.75	0.51	BS1806-040	2.864	0.020		
75.92	0.61	BS1806-041	2.989	0.024		
82.27	0.61	BS1806-042	3.239	0.024		
88.62	0.61	BS1806-043	3.489	0.024		
94.97	0.69	BS1806-044	3.739	0.027		
101.32	0.69	BS1806-045	3.989	0.027		
107.67	0.76	BS1806-046	4.239	0.030		
114.02	0.76	BS1806-047	4.489	0.030		
120.37	0.76	BS1806-048	4.739	0.030		
126.72	0.94	BS1806-049	4.989	0.037		
133.07	0.94	BS1806-050	5.239	0.037		
1.24	0.13	2.62 +/- 0.08	BS1806-102	0.049	0.005	0.103 +/- 0.003
2.06	0.13		BS1806-103	0.081	0.005	
2.84	0.13		BS1806-104	0.112	0.005	
3.63	0.13		BS1806-105	0.143	0.005	
4.42	0.13		BS1806-106	0.174	0.005	
5.23	0.13		BS1806-107	0.206	0.005	
6.02	0.13		BS1806-108	0.237	0.005	

BS1806 British Standard O-ring sizes (imperial)

International O-ring Standard Sizes

Millimeters			BS1806 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
7.59	0.13	2.62 +/- 0.08	BS1806-109	0.299	0.005	0.103 +/- 0.003
9.19	0.13		BS1806-110	0.362	0.005	
10.77	0.13		BS1806-111	0.424	0.005	
12.37	0.13		BS1806-112	0.487	0.005	
13.94	0.18		BS1806-113	0.549	0.007	
15.54	0.23		BS1806-114	0.612	0.009	
17.12	0.23		BS1806-115	0.674	0.009	
18.72	0.23		BS1806-116	0.737	0.009	
20.29	0.25		BS1806-117	0.799	0.010	
21.89	0.25		BS1806-118	0.862	0.010	
23.47	0.25		BS1806-119	0.924	0.010	
25.07	0.25		BS1806-120	0.987	0.010	
26.64	0.25		BS1806-121	1.049	0.010	
28.24	0.25		BS1806-122	1.112	0.010	
29.82	0.30		BS1806-123	1.174	0.012	
31.42	0.30		BS1806-124	1.237	0.012	
32.99	0.30		BS1806-125	1.299	0.012	
34.59	0.30		BS1806-126	1.362	0.012	
36.17	0.30		BS1806-127	1.424	0.012	
37.77	0.30		BS1806-128	1.487	0.012	
39.34	0.38		BS1806-129	1.549	0.015	
40.94	0.38		BS1806-130	1.612	0.015	
42.52	0.38		BS1806-131	1.674	0.015	
44.12	0.38		BS1806-132	1.737	0.015	
45.69	0.38		BS1806-133	1.799	0.015	
47.29	0.43		BS1806-134	1.862	0.017	
48.90	0.43		BS1806-135	1.925	0.017	
50.47	0.43		BS1806-136	1.987	0.017	
52.07	0.43		BS1806-137	2.050	0.017	
53.64	0.43		BS1806-138	2.112	0.017	
55.25	0.43		BS1806-139	2.175	0.017	
56.82	0.43		BS1806-140	2.237	0.017	
58.42	0.51		BS1806-141	2.300	0.020	
59.99	0.51		BS1806-142	2.362	0.020	
61.60	0.51		BS1806-143	2.425	0.020	
63.17	0.51		BS1806-144	2.487	0.020	
64.77	0.51		BS1806-145	2.550	0.020	
66.34	0.51		BS1806-146	2.612	0.020	
67.95	0.56		BS1806-147	2.675	0.022	
69.52	0.56		BS1806-148	2.737	0.022	
71.12	0.56		BS1806-149	2.800	0.022	
72.69	0.56		BS1806-150	2.862	0.022	
75.87	0.61		BS1806-151	2.987	0.024	
82.22	0.61		BS1806-152	3.237	0.024	
88.57	0.61		BS1806-153	3.487	0.024	
94.92	0.71		BS1806-154	3.737	0.028	
101.27	0.71		BS1806-155	3.987	0.028	
107.62	0.76		BS1806-156	4.237	0.030	
113.97	0.76		BS1806-157	4.487	0.030	
120.32	0.76		BS1806-158	4.737	0.030	
126.67	0.89		BS1806-159	4.987	0.035	
133.02	0.89		BS1806-160	5.237	0.035	
139.37	0.89		BS1806-161	5.487	0.035	
145.72	0.89		BS1806-162	5.737	0.035	
152.07	0.89		BS1806-163	5.987	0.035	
158.42	1.02		BS1806-164	6.237	0.040	
164.77	1.02		BS1806-165	6.487	0.040	
171.12	1.02		BS1806-166	6.737	0.040	
177.47	1.02		BS1806-167	6.987	0.040	
183.82	1.14		BS1806-168	7.237	0.045	

BS1806 British Standard O-ring sizes (imperial)

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Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)		
190.17	1.14	2.62 +/- 0.08	BS1806-169	7.487	0.045	0.103 +/- 0.003		
196.52	1.14		BS1806-170	7.737	0.045			
202.87	1.14		BS1806-171	7.987	0.045			
209.22	1.27		BS1806-172	8.237	0.050			
215.57	1.27		BS1806-173	8.487	0.050			
221.92	1.27		BS1806-174	8.737	0.050			
228.27	1.27		BS1806-175	8.987	0.050			
234.62	1.40		BS1806-176	9.237	0.055			
240.97	1.40		BS1806-177	9.487	0.055			
247.32	1.40		BS1806-178	9.737	0.055			
4.34	0.13		3.53 +/- 0.10	BS1806-201	0.171		0.005	0.139 +/- 0.004
5.94	0.13			BS1806-202	0.234		0.005	
7.52	0.13			BS1806-203	0.296		0.005	
9.12	0.13			BS1806-204	0.359		0.005	
10.69	0.13			BS1806-205	0.421		0.005	
12.29	0.13			BS1806-206	0.484		0.005	
13.87	0.18			BS1806-207	0.546		0.007	
15.47	0.23	BS1806-208		0.609	0.009			
17.04	0.23	BS1806-209		0.671	0.009			
18.64	0.25	BS1806-210		0.734	0.010			
20.22	0.25	BS1806-211		0.796	0.010			
21.82	0.25	BS1806-212		0.859	0.010			
23.39	0.25	BS1806-213		0.921	0.010			
24.99	0.25	BS1806-214		0.984	0.010			
26.57	0.25	BS1806-215		1.046	0.010			
28.17	0.30	BS1806-216		1.109	0.012			
29.74	0.30	BS1806-217		1.171	0.012			
31.34	0.30	BS1806-218		1.234	0.012			
32.92	0.30	BS1806-219		1.296	0.012			
34.52	0.30	BS1806-220		1.359	0.012			
36.09	0.30	BS1806-221		1.421	0.012			
37.69	0.38	BS1806-222		1.484	0.015			
40.87	0.38	BS1806-223		1.609	0.015			
44.04	0.38	BS1806-224		1.734	0.015			
47.22	0.46	BS1806-225		1.859	0.018			
50.39	0.46	BS1806-226		1.984	0.018			
53.57	0.46	BS1806-227		2.109	0.018			
56.74	0.51	BS1806-228		2.234	0.020			
59.92	0.51	BS1806-229		2.359	0.020			
63.09	0.51	BS1806-230		2.484	0.020			
66.27	0.51	BS1806-231		2.609	0.020			
69.44	0.61	BS1806-232		2.734	0.024			
72.62	0.61	BS1806-233		2.859	0.024			
75.79	0.61	BS1806-234		2.984	0.024			
78.97	0.61	BS1806-235		3.109	0.024			
82.14	0.61	BS1806-236		3.234	0.024			
85.32	0.61	BS1806-237		3.359	0.024			
88.49	0.61	BS1806-238		3.484	0.024			
91.67	0.71	BS1806-239		3.609	0.028			
94.84	0.71	BS1806-240		3.734	0.028			
98.02	0.71	BS1806-241		3.859	0.028			
101.19	0.71	BS1806-242		3.984	0.028			
104.37	0.71	BS1806-243		4.109	0.028			
107.54	0.76	BS1806-244		4.234	0.030			
110.72	0.76	BS1806-245		4.359	0.030			
113.89	0.76	BS1806-246		4.484	0.030			
117.07	0.76	BS1806-247		4.609	0.030			
120.24	0.76	BS1806-248	4.734	0.030				
123.42	0.89	BS1806-249	4.859	0.035				
126.59	0.89	BS1806-250	4.984	0.035				

BS1806 British Standard O-ring sizes (imperial)

International O-ring Standard Sizes

Millimeters			BS1806 Standard O-ring Size	Inches		
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
129.77	0.89	3.53 +/- 0.10	BS1806-251	5.109	0.035	0.139 +/- 0.004
132.94	0.89		BS1806-252	5.234	0.035	
136.12	0.89		BS1806-253	5.359	0.035	
139.29	0.89		BS1806-254	5.484	0.035	
142.47	0.89		BS1806-255	5.609	0.035	
145.64	0.89		BS1806-256	5.734	0.035	
148.82	0.89		BS1806-257	5.859	0.035	
151.99	0.89		BS1806-258	5.984	0.035	
158.34	1.02		BS1806-259	6.234	0.040	
164.69	1.02		BS1806-260	6.484	0.040	
171.04	1.02		BS1806-261	6.734	0.040	
177.39	1.02		BS1806-262	6.984	0.040	
183.74	1.14		BS1806-263	7.234	0.045	
190.09	1.14		BS1806-264	7.484	0.045	
196.44	1.14		BS1806-265	7.734	0.045	
202.79	1.14		BS1806-266	7.984	0.045	
209.14	1.27		BS1806-267	8.234	0.050	
215.49	1.27		BS1806-268	8.484	0.050	
221.84	1.27		BS1806-269	8.734	0.050	
228.19	1.27		BS1806-270	8.984	0.050	
234.54	1.40		BS1806-271	9.234	0.055	
240.89	1.40		BS1806-272	9.484	0.055	
247.24	1.40		BS1806-273	9.734	0.055	
253.59	1.40		BS1806-274	9.984	0.055	
266.29	1.40		BS1806-275	10.484	0.055	
278.99	1.65		BS1806-276	10.984	0.065	
291.69	1.65		BS1806-277	11.484	0.065	
304.39	1.65		BS1806-278	11.984	0.065	
329.79	1.65		BS1806-279	12.984	0.065	
355.19	1.65		BS1806-280	13.984	0.065	
380.57	1.65		BS1806-281	14.983	0.065	
405.26	1.91		BS1806-282	15.955	0.075	
430.66	2.03		BS1806-283	16.955	0.080	
456.06	2.16		BS1806-284	17.955	0.085	
10.46	0.13	5.33 +/- 0.13	BS1806-309	0.412	0.005	0.210 +/- 0.005
12.07	0.13		BS1806-310	0.475	0.005	
13.64	0.18		BS1806-311	0.537	0.007	
15.24	0.23		BS1806-312	0.600	0.009	
16.81	0.23		BS1806-313	0.662	0.009	
18.42	0.25		BS1806-314	0.725	0.010	
19.99	0.25		BS1806-315	0.787	0.010	
21.59	0.25		BS1806-316	0.850	0.010	
23.16	0.25		BS1806-317	0.912	0.010	
24.77	0.25		BS1806-318	0.975	0.010	
26.34	0.25		BS1806-319	1.037	0.010	
27.94	0.30		BS1806-320	1.100	0.012	
29.51	0.30		BS1806-321	1.162	0.012	
31.12	0.30		BS1806-322	1.225	0.012	
32.69	0.30		BS1806-323	1.287	0.012	
34.29	0.30		BS1806-324	1.350	0.012	
37.47	0.38		BS1806-325	1.475	0.015	
40.64	0.38		BS1806-326	1.600	0.015	
43.82	0.38		BS1806-327	1.725	0.015	
46.99	0.38		BS1806-328	1.850	0.015	
50.17	0.46		BS1806-329	1.975	0.018	
53.34	0.46		BS1806-330	2.100	0.018	
56.52	0.46		BS1806-331	2.225	0.018	
59.69	0.46		BS1806-332	2.350	0.018	
62.87	0.51		BS1806-333	2.475	0.020	
66.04	0.51		BS1806-334	2.600	0.020	

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Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
69.22	0.51	5.33 +/- 0.13	BS1806-335	2.725	0.020	0.210 +/- 0.005
72.39	0.51		BS1806-336	2.850	0.020	
75.57	0.61		BS1806-337	2.975	0.024	
78.74	0.61		BS1806-338	3.100	0.024	
81.92	0.61		BS1806-339	3.225	0.024	
85.09	0.61		BS1806-340	3.350	0.024	
88.27	0.61		BS1806-341	3.475	0.024	
91.44	0.71		BS1806-342	3.600	0.028	
94.62	0.71		BS1806-343	3.725	0.028	
97.79	0.71		BS1806-344	3.850	0.028	
100.97	0.71		BS1806-345	3.975	0.028	
104.14	0.71		BS1806-346	4.100	0.028	
107.32	0.76		BS1806-347	4.225	0.030	
110.49	0.76		BS1806-348	4.350	0.030	
113.67	0.76		BS1806-349	4.475	0.030	
116.84	0.76		BS1806-350	4.600	0.030	
120.02	0.76		BS1806-351	4.725	0.030	
123.19	0.76		BS1806-352	4.850	0.030	
126.37	0.94		BS1806-353	4.975	0.037	
129.54	0.94		BS1806-354	5.100	0.037	
132.72	0.94		BS1806-355	5.225	0.037	
135.89	0.94		BS1806-356	5.350	0.037	
139.07	0.94		BS1806-357	5.475	0.037	
142.24	0.94		BS1806-358	5.600	0.037	
145.42	0.94		BS1806-359	5.725	0.037	
148.59	0.94		BS1806-360	5.850	0.037	
151.77	0.94		BS1806-361	5.975	0.037	
158.12	1.02		BS1806-362	6.225	0.040	
164.47	1.02		BS1806-363	6.475	0.040	
170.82	1.02		BS1806-364	6.725	0.040	
177.17	1.02		BS1806-365	6.975	0.040	
183.52	1.14		BS1806-366	7.225	0.045	
189.87	1.14		BS1806-367	7.475	0.045	
196.22	1.14		BS1806-368	7.725	0.045	
202.57	1.14		BS1806-369	7.975	0.045	
208.92	1.27		BS1806-370	8.225	0.050	
215.27	1.27		BS1806-371	8.475	0.050	
221.62	1.27		BS1806-372	8.725	0.050	
227.97	1.27		BS1806-373	8.975	0.050	
234.32	1.40		BS1806-374	9.225	0.055	
240.67	1.40		BS1806-375	9.475	0.055	
247.02	1.40		BS1806-376	9.725	0.055	
253.37	1.40		BS1806-377	9.975	0.055	
266.07	1.52		BS1806-378	10.475	0.060	
278.77	1.52		BS1806-379	10.975	0.060	
291.47	1.65		BS1806-380	11.475	0.065	
304.17	1.65		BS1806-381	11.975	0.065	
329.57	1.65		BS1806-382	12.975	0.065	
354.97	1.78		BS1806-383	13.975	0.070	
380.37	1.78		BS1806-384	14.975	0.070	
405.26	1.91		BS1806-385	15.955	0.075	
430.66	2.03		BS1806-386	16.955	0.080	
456.06	2.16		BS1806-387	17.955	0.085	
481.46	2.29		BS1806-388	18.955	0.090	
506.86	2.41		BS1806-389	19.955	0.095	
532.26	2.41		BS1806-390	20.955	0.095	
557.66	2.54		BS1806-391	21.955	0.100	
582.68	2.67		BS1806-392	22.940	0.105	
608.08	2.79		BS1806-393	23.940	0.110	
633.48	2.92		BS1806-394	24.940	0.115	

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Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)		Internal Diameter (inches)	Internal Diameter Tolerance +/-	Cross Section (inches)
658.88	3.05	5.33 +/- 0.13	BS1806-395	25.940	0.120	0.210 +/- 0.005
113.67	0.84					
116.84	0.84					
120.02	0.84					
123.20	0.84					
126.37	0.94					
129.54	0.94					
132.72	0.94					
135.90	0.94					
139.07	0.94					
142.24	0.94					
145.42	0.94					
148.60	0.94					
151.77	0.94					
158.12	1.02					
164.47	1.02					
170.82	1.02					
177.17	1.02					
183.52	1.14					
189.87	1.14					
196.22	1.14					
202.57	1.14					
215.27	1.40					
227.97	1.40					
240.67	1.40					
253.57	1.40					
266.07	1.52					
278.77	1.52					
291.47	1.52					
304.17	1.52					
316.87	1.52					
329.57	1.52					
342.27	1.78					
354.97	1.78					
367.67	1.78					
380.37	1.78					
393.07	1.78					
405.26	1.91					
417.96	1.91					
430.66	2.03					
443.36	2.16					
456.06	2.16					
468.76	2.16					
481.46	2.29					
494.16	2.29					
506.86	2.41					
532.26	2.41					
557.66	2.54					
582.68	2.67					
608.08	2.79					
633.48	2.92					
658.88	3.05					
		6.99 +/- 0.15				0.275 +/- 0.006

BS1806 British Standard O-ring sizes (imperial)