

# O-Ring Imperial Size Guide

METRIC				Dowty Size Reference	Alternative Reference	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
0.74	0.10	1.02	0.08	200-001	BS001	0.029	1/32	0.004	0.109	3/32	0.040	1/32	0.003
1.07	0.10	1.27	0.08	200-002	BS002	0.042	3/64	0.004	0.142	9/64	0.050	3/64	0.003
1.42	0.10	1.53	0.08	200-003	BS003	0.056	1/16	0.004	0.176	3/16	0.060	1/16	0.003
1.78	0.13	1.78	0.08	200-004	BS004	0.070	5/64	0.005	0.210	13/64	0.070	1/16	0.003
2.57	0.13			200-005	BS005	0.101	3/32	0.005	0.241	7/32			
2.90	0.13			200-006	BS006	0.114	1/8	0.005	0.254	1/4			
3.69	0.13			200-007	BS007	0.145	5/32	0.005	0.285	9/32			
4.47	0.13			200-008	BS008	0.176	3/16	0.005	0.316	5/16			
5.28	0.13			200-009	BS009	0.208	7/32	0.005	0.348	11/32			
6.07	0.13			200-010	BS010	0.239	1/4	0.005	0.379	3/8			
7.66	0.13			200-011	BS011	0.302	5/16	0.005	0.441	7/16			
9.25	0.13			200-012	BS012	0.364	3/8	0.005	0.504	1/2			
10.82	0.13			200-013	BS013	0.426	7/16	0.005	0.566	9/16			
12.42	0.13			200-014	BS014	0.489	1/2	0.005	0.629	5/8			
14.00	0.18			200-015	BS015	0.551	9/16	0.007	0.691	11/16			
15.60	0.23			200-016	BS016	0.614	5/8	0.009	0.754	3/4			
17.16	0.23			200-017	BS017	0.676	11/16	0.009	0.816	13/16			
18.77	0.23			200-018	BS018	0.739	3/4	0.009	0.879	7/8			
20.35	0.23			200-019	BS019	0.801	13/16	0.009	0.941	15/16			
21.95	0.23			200-020	BS020	0.864	7/8	0.009	1.004	1			
23.52	0.23			200-021	BS021	0.926	15/16	0.009	1.066	1 1/16			
25.12	0.25			200-022	BS022	0.989	1	0.010	1.129	1 1/8			
26.70	0.25			200-023	BS023	1.051	1 1/16	0.010	1.191	1 3/16			
28.30	0.25			200-024	BS024	1.114	1 1/8	0.010	1.254	1 1/4			
29.87	0.28			200-025	BS025	1.176	1 3/16	0.011	1.316	1 5/16			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
31.47	0.28			200-026	BS026	1.239	1 1/4	0.011	1.379	1 3/8			
33.05	0.28			200-027	BS027	1.301	1 5/16	0.011	1.441	1 7/16			
34.65	0.33			200-028	BS028	1.364	1 3/8	0.013	1.504	1 1/2			
37.82	0.33			200-029	BS029	1.489	1 1/2	0.013	1.629	1 5/8			
41.00	0.33			200-030	BS030	1.614	1 5/8	0.013	1.754	1 3/4			
44.17	0.38			200-031	BS031	1.739	1 3/4	0.015	1.879	1 7/8			
47.37	0.38			200-032	BS032	1.865	1 7/8	0.015	2.004	2			
50.52	0.46			200-033	BS033	1.989	2	0.018	2.129	2 1/8			
53.67	0.46			200-034	BS034	2.113	2 1/8	0.018	2.254	2 1/4			
56.87	0.46			200-035	BS035	2.239	2 1/4	0.018	2.379	2 3/8			
60.04	0.46			200-036	BS036	2.364	2 3/8	0.018	2.504	2 1/2			
63.22	0.46			200-037	BS037	2.489	2 1/2	0.018	2.629	2 5/8			
66.40	0.51			200-038	BS038	2.614	2 5/8	0.020	2.754	2 3/4			
69.57	0.51			200-039	BS039	2.739	2 3/4	0.020	2.879	2 7/8			
72.76	0.51			200-040	BS040	2.865	2 7/8	0.020	3.004	3			
75.92	0.61			200-041	BS041	2.989	3	0.024	3.129	3 1/8			
82.27	0.61			200-042	BS042	3.239	3 1/4	0.024	3.379	3 3/8			
88.62	0.61			200-043	BS043	3.489	3 1/2	0.024	3.629	3 5/8			
94.97	0.69			200-044	BS044	3.739	3 3/4	0.027	3.879	3 7/8			
101.32	0.69			200-045	BS045	3.989	4	0.027	4.129	4 1/8			
107.67	0.76			200-046	BS046	4.239	4 1/4	0.030	4.379	4 3/8			
114.02	0.76			200-047	BS047	4.489	4 1/2	0.030	4.629	4 5/8			
120.37	0.76			200-048	BS048	4.739	4 3/4	0.030	4.750	4 7/8			
126.72	0.94			200-049	BS049	4.989	5	0.037	4.879	5 1/8			
133.07	0.94			200-050	BS050	5.239	5 1/4	0.037	5.379	5 3/8			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
1.24	0.13	2.62	0.08	200-102	BS102	0.049	1/16	0.004	0.255	1/4	0.103	3/32	0.003
2.06	0.13			200-103	BS103	0.081	3/32	0.005	0.287	9/32			
2.84	0.13			200-104	BS104	0.112	1/8	0.005	0.318	5/16			
3.63	0.13			200-105	BS105	0.143	5/32	0.005	0.349	11/32			
4.42	0.13			200-106	BS106	0.174	3/16	0.005	0.380	3/8			
5.23	0.13			200-107	BS107	0.206	7/32	0.005	0.412	13/32			
6.02	0.13			200-108	BS108	0.237	1/4	0.005	0.443	7/16			
7.59	0.13			200-109	BS109	0.299	5/16	0.005	0.505	1/2			
9.19	0.13			200-110	BS110	0.362	3/8	0.005	0.568	9/16			
10.77	0.13			200-111	BS111	0.424	7/16	0.005	0.630	5/8			
12.37	0.13			200-112	BS112	0.487	1/2	0.005	0.693	11/16			
13.94	0.18			200-113	BS113	0.549	9/16	0.007	0.755	3/4			
15.54	0.23			200-114	BS114	0.612	5/8	0.009	0.818	13/16			
17.12	0.23			200-115	BS115	0.674	11/16	0.009	0.880	7/8			
18.72	0.23			200-116	BS116	0.737	3/4	0.009	0.943	15/16			
20.29	0.25			200-117	BS117	0.799	13/16	0.010	1.005	1			
21.89	0.25			200-118	BS118	0.862	7/8	0.010	1.068	1 1/16			
23.47	0.25			200-119	BS119	0.924	15/16	0.010	1.130	1 1/8			
25.07	0.25			200-120	BS120	0.987	1	0.010	1.193	1 3/16			
26.64	0.25			200-121	BS121	1.049	1 1/16	0.010	1.255	1 1/4			
28.24	0.25			200-122	BS122	1.112	1 1/8	0.010	1.318	1 5/16			
29.82	0.30			200-123	BS123	1.174	1 3/16	0.012	1.380	1 3/8			
31.42	0.30			200-124	BS124	1.237	1 1/4	0.012	1.443	1 7/16			
32.99	0.30			200-125	BS125	1.299	1 5/16	0.012	1.505	1 1/2			
34.59	0.30			200-126	BS126	1.362	1 3/8	0.012	1.568	1 9/16			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
36.17	0.30			200-127	BS127	1.424	1 <sup>7</sup> / <sub>16</sub>	0.012	1.630	1 <sup>5</sup> / <sub>8</sub>			
37.77	0.30			200-128	BS128	1.487	1 <sup>1</sup> / <sub>2</sub>	0.012	1.693	1 <sup>11</sup> / <sub>16</sub>			
39.34	0.38			200-129	BS129	1.549	1 <sup>9</sup> / <sub>16</sub>	0.015	1.755	1 <sup>3</sup> / <sub>4</sub>			
40.94	0.38			200-130	BS130	1.612	1 <sup>5</sup> / <sub>8</sub>	0.015	1.818	1 <sup>13</sup> / <sub>16</sub>			
42.52	0.38			200-131	BS131	1.674	1 <sup>11</sup> / <sub>16</sub>	0.015	1.880	1 <sup>7</sup> / <sub>8</sub>			
44.12	0.38			200-132	BS132	1.737	1 <sup>3</sup> / <sub>4</sub>	0.015	1.943	1 <sup>15</sup> / <sub>16</sub>			
45.69	0.38			200-133	BS133	1.799	1 <sup>13</sup> / <sub>16</sub>	0.015	2.005	2			
47.29	0.43			200-134	BS134	1.862	1 <sup>7</sup> / <sub>8</sub>	0.017	2.068	2 <sup>1</sup> / <sub>16</sub>			
48.90	0.43			200-135	BS135	1.925	1 <sup>15</sup> / <sub>16</sub>	0.017	2.131	2 <sup>1</sup> / <sub>8</sub>			
50.47	0.43			200-136	BS136	1.987	2	0.017	2.193	2 <sup>3</sup> / <sub>16</sub>			
52.07	0.43			200-137	BS137	2.050	2 <sup>1</sup> / <sub>16</sub>	0.017	2.256	2 <sup>1</sup> / <sub>4</sub>			
53.64	0.43			200-138	BS138	2.112	2 <sup>1</sup> / <sub>8</sub>	0.017	2.318	2 <sup>5</sup> / <sub>16</sub>			
55.25	0.43			200-139	BS139	2.175	2 <sup>3</sup> / <sub>16</sub>	0.017	2.381	2 <sup>3</sup> / <sub>8</sub>			
56.82	0.43			200-140	BS140	2.237	2 <sup>1</sup> / <sub>4</sub>	0.017	2.443	2 <sup>7</sup> / <sub>16</sub>			
58.42	0.51			200-141	BS141	2.300	2 <sup>5</sup> / <sub>16</sub>	0.020	2.506	2 <sup>1</sup> / <sub>2</sub>			
59.99	0.51			200-142	BS142	2.362	2 <sup>3</sup> / <sub>8</sub>	0.020	2.568	2 <sup>9</sup> / <sub>16</sub>			
61.60	0.51			200-143	BS143	2.425	2 <sup>7</sup> / <sub>16</sub>	0.020	2.631	2 <sup>5</sup> / <sub>8</sub>			
63.17	0.51			200-144	BS144	2.487	2 <sup>1</sup> / <sub>2</sub>	0.020	2.693	2 <sup>11</sup> / <sub>16</sub>			
64.77	0.51			200-145	BS145	2.550	2 <sup>9</sup> / <sub>16</sub>	0.020	2.756	2 <sup>3</sup> / <sub>4</sub>			
66.34	0.51			200-146	BS146	2.612	2 <sup>5</sup> / <sub>8</sub>	0.020	2.818	2 <sup>13</sup> / <sub>16</sub>			
67.95	0.56			200-147	BS147	2.675	2 <sup>11</sup> / <sub>16</sub>	0.022	2.881	2 <sup>7</sup> / <sub>8</sub>			
69.52	0.56			200-148	BS148	2.737	2 <sup>3</sup> / <sub>4</sub>	0.022	2.943	2 <sup>15</sup> / <sub>16</sub>			
71.12	0.56			200-149	BS149	2.800	2 <sup>13</sup> / <sub>16</sub>	0.022	3.006	3			
72.69	0.56			200-150	BS150	2.862	2 <sup>7</sup> / <sub>8</sub>	0.022	3.068	3 <sup>1</sup> / <sub>16</sub>			
75.87	0.61			200-151	BS151	2.987	3	0.024	3.193	3 <sup>3</sup> / <sub>16</sub>			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
82.22	0.61			200-152	BS152	3.237	3 1/4	0.024	3.443	3 7/16			
88.57	0.61			200-153	BS153	3.487	3 1/2	0.024	3.693	3 11/16			
94.92	0.71			200-154	BS154	3.737	3 3/4	0.028	3.943	3 15/16			
101.27	0.71			200-155	BS155	3.987	4	0.028	4.193	4 3/16			
107.62	0.76			200-156	BS156	4.237	4 1/4	0.030	4.443	4 7/16			
113.97	0.76			200-157	BS157	4.487	4 1/2	0.030	4.693	4 11/16			
120.32	0.76			200-158	BS158	4.737	4 3/4	0.030	4.943	4 15/16			
126.67	0.89			200-159	BS159	4.987	5	0.035	5.193	5 3/16			
133.02	0.89			200-160	BS160	5.237	5 1/4	0.035	5.443	5 7/16			
139.37	0.89			200-161	BS161	5.487	5 1/2	0.035	5.693	5 11/16			
145.72	0.89			200-162	BS162	5.737	5 3/4	0.035	5.943	5 15/16			
152.07	0.89			200-163	BS163	5.987	6	0.035	6.193	6 3/16			
158.42	1.02			200-164	BS164	6.237	6 1/4	0.040	6.443	6 7/16			
164.77	1.02			200-165	BS165	6.487	6 1/2	0.040	6.693	6 11/16			
171.12	1.02			200-166	BS166	6.737	6 3/4	0.040	6.943	6 15/16			
177.47	1.02			200-167	BS167	6.987	7	0.040	7.193	7 3/16			
183.82	1.14			200-168	BS168	7.237	7 1/4	0.045	7.443	7 7/16			
190.17	1.14			200-169	BS169	7.487	7 1/2	0.045	7.693	7 11/16			
196.52	1.14			200-170	BS170	7.737	7 3/4	0.045	7.943	7 15/16			
202.87	1.14			200-171	BS171	7.987	8	0.045	8.193	8 3/16			
209.22	1.27			200-172	BS172	8.237	8 1/4	0.050	8.443	8 7/16			
215.57	1.27			200-173	BS173	8.487	8 1/2	0.050	8.693	8 11/16			
221.92	1.27			200-174	BS174	8.737	8 3/4	0.050	8.943	8 15/16			
228.27	1.27			200-175	BS175	8.987	9	0.050	9.193	9 3/16			
234.62	1.40			200-176	BS176	9.237	9 1/4	0.055	9.443	9 7/16			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
240.97	1.40			200-177	BS177	9.487	9 1/2	0.055	9.693	9 11/16			
247.32	1.40			200-178	BS178	9.737	9 3/4	0.055	9.943	9 15/16			
4.34	0.13	3.53	0.10	200-201	BS201	0.171	3/16	0.005	0.449	7/16	0.139	1/8	0.004
5.94	0.13			200-202	BS202	0.234	1/4	0.005	0.512	1/2			
7.52	0.13			200-203	BS203	0.296	5/16	0.005	0.574	9/16			
9.12	0.13			200-204	BS204	0.359	3/8	0.005	0.637	5/8			
10.69	0.13			200-205	BS205	0.421	7/16	0.005	0.699	11/16			
12.29	0.13			200-206	BS206	0.484	1/2	0.005	0.762	3/4			
13.87	0.18			200-207	BS207	0.546	9/16	0.007	0.824	13/16			
15.47	0.23			200-208	BS208	0.609	5/8	0.009	0.887	7/8			
17.04	0.23			200-209	BS209	0.671	11/16	0.009	0.949	15/16			
18.64	0.25			200-210	BS210	0.734	3/4	0.010	1.012	1			
20.22	0.25			200-211	BS211	0.796	13/16	0.010	1.074	1 1/16			
21.82	0.25			200-212	BS212	0.859	7/8	0.010	1.137	1 1/8			
23.39	0.25			200-213	BS213	0.921	15/16	0.010	1.199	1 3/16			
24.99	0.25			200-214	BS214	0.984	1	0.010	1.262	1 1/4			
26.57	0.25			200-215	BS215	1.046	1 1/16	0.010	1.324	1 5/16			
28.17	0.30			200-216	BS216	1.109	1 1/8	0.012	1.387	1 3/8			
29.74	0.30			200-217	BS217	1.171	1 3/16	0.012	1.449	1 7/16			
31.34	0.30			200-218	BS218	1.234	1 1/4	0.012	1.512	1 1/2			
32.92	0.30			200-219	BS219	1.296	1 5/16	0.012	1.574	1 9/16			
34.52	0.30			200-220	BS220	1.359	1 3/8	0.012	1.637	1 5/8			
36.09	0.30			200-221	BS221	1.421	1 7/16	0.012	1.699	1 11/16			
37.69	0.38			200-222	BS222	1.484	1 1/2	0.015	1.762	1 3/4			
40.87	0.38			200-223	BS223	1.609	1 5/8	0.015	1.887	1 7/8			

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						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
44.04	0.38			200-224	BS224	1.734	1 3/4	0.015	2.012	2			
47.22	0.46			200-225	BS225	1.859	1 7/8	0.018	2.137	2 1/8			
50.39	0.46			200-226	BS226	1.984	2	0.018	2.262	2 1/4			
53.57	0.46			200-227	BS227	2.109	2 1/8	0.018	2.387	2 3/8			
56.74	0.51			200-228	BS228	2.234	2 1/4	0.020	2.512	2 1/2			
59.92	0.51			200-229	BS229	2.359	2 3/8	0.020	2.637	2 5/8			
63.09	0.51			200-230	BS230	2.484	2 1/2	0.020	2.762	2 3/4			
66.27	0.51			200-231	BS231	2.609	2 5/8	0.020	2.887	2 7/8			
69.44	0.61			200-232	BS232	2.734	2 3/4	0.024	3.012	3			
72.62	0.61			200-233	BS233	2.859	2 7/8	0.024	3.137	3 1/8			
75.79	0.61			200-234	BS234	2.984	3	0.024	3.262	3 1/4			
78.97	0.61			200-235	BS235	3.109	3 1/8	0.024	3.387	3 3/8			
82.14	0.61			200-236	BS236	3.234	3 1/4	0.024	3.512	3 1/2			
85.32	0.61			200-237	BS237	3.359	3 3/8	0.024	3.637	3 5/8			
88.49	0.61			200-238	BS238	3.484	3 1/2	0.024	3.762	3 3/4			
91.67	0.71			200-239	BS239	3.609	3 5/8	0.028	3.887	3 7/8			
94.84	0.71			200-240	BS240	3.734	3 3/4	0.028	4.012	4			
98.02	0.71			200-241	BS241	3.859	3 7/8	0.028	4.137	4 1/8			
101.19	0.71			200-242	BS242	3.984	4	0.028	4.262	4 1/4			
104.37	0.71			200-243	BS243	4.109	4 1/8	0.028	4.387	4 3/8			
107.54	0.76			200-244	BS244	4.234	4 1/4	0.030	4.512	4 1/2			
110.72	0.76			200-245	BS245	4.359	4 3/8	0.030	4.637	4 5/8			
113.89	0.76			200-246	BS246	4.484	4 1/2	0.030	4.762	4 3/4			
117.07	0.76			200-247	BS247	4.609	4 5/8	0.030	4.887	4 7/8			
120.24	0.76			200-248	BS248	4.734	4 3/4	0.030	5.012	5			

# O-Ring Imperial Size Guide

METRIC				Dowty Size Reference	Alternative Reference	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
123.42	0.89			200-249	BS249	4.859	4 7/8	0.035	5.137	5 1/8			
126.59	0.89			200-250	BS250	4.984	5	0.035	5.262	5 1/4			
129.77	0.89			200-251	BS251	5.109	5 1/8	0.035	5.387	5 3/8			
132.94	0.89			200-252	BS252	5.234	5 1/4	0.035	5.512	5 1/2			
136.12	0.89			200-253	BS253	5.359	5 3/8	0.035	5.637	5 5/8			
139.29	0.89			200-254	BS254	5.484	5 1/2	0.035	5.762	5 3/4			
142.47	0.89			200-255	BS255	5.609	5 5/8	0.035	5.887	5 7/8			
145.64	0.89			200-256	BS256	5.734	5 3/4	0.035	6.012	6			
148.82	0.89			200-257	BS257	5.859	5 7/8	0.035	6.137	6 1/8			
151.99	0.89			200-258	BS258	5.984	6	0.035	6.262	6 1/4			
158.34	1.02			200-259	BS259	6.234	6 1/4	0.040	6.512	6 1/2			
164.69	1.02			200-260	BS260	6.484	6 1/2	0.040	6.762	6 3/4			
171.04	1.02			200-261	BS261	6.734	6 3/4	0.040	7.012	7			
177.39	1.02			200-262	BS262	6.984	7	0.040	7.262	7 1/4			
183.74	1.14			200-263	BS263	7.234	7 1/4	0.045	7.512	7 1/2			
190.09	1.14			200-264	BS264	7.484	7 1/2	0.045	7.762	7 3/4			
196.44	1.14			200-265	BS265	7.734	7 3/4	0.045	8.012	8			
202.79	1.14			200-266	BS266	7.984	8	0.045	8.262	8 1/4			
209.14	1.27			200-267	BS267	8.234	8 1/4	0.050	8.512	8 1/2			
215.49	1.27			200-268	BS268	8.484	8 1/2	0.050	8.762	8 3/4			
221.84	1.27			200-269	BS269	8.734	8 3/4	0.050	9.012	9			
228.19	1.27			200-270	BS270	8.984	9	0.050	9.262	9 1/4			
234.54	1.40			200-271	BS271	9.234	9 1/4	0.055	9.512	9 1/2			
240.89	1.40			200-272	BS272	9.484	9 1/2	0.055	9.762	9 3/4			
247.24	1.40			200-273	BS273	9.734	9 3/4	0.055	10.012	10			



# O-Ring Imperial Size Guide

METRIC				Dowty Size Reference	Alternative Reference	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
253.59	1.40			200-274	BS274	9.984	10	0.055	10.262	10 1/4			
266.29	1.40			200-275	BS275	10.484	10 1/2	0.055	10.762	10 3/4			
278.99	1.65			200-276	BS276	10.984	11	0.065	11.262	11 1/4			
291.69	1.65			200-277	BS277	11.484	11 1/2	0.065	11.762	11 3/4			
304.39	1.65			200-278	BS278	11.984	12	0.065	12.262	12 1/4			
329.79	1.65			200-279	BS279	12.984	13	0.065	13.262	13 1/4			
355.19	1.65			200-280	BS280	13.984	14	0.065	14.262	14 1/4			
380.57	1.65			200-281	BS281	14.983	15	0.065	15.262	15 1/4			
405.26	1.91			200-282	BS282	15.955	16	0.075	16.233	16 1/4			
430.66	2.03			200-283	BS283	16.955	17	0.080	17.233	17 1/4			
456.06	2.16			200-284	BS284	17.955	18	0.085	18.233	18 1/4			
10.46	0.13			5.33	0.13	200-309	BS309	0.412	7/16	0.005			
12.07	0.13	200-310	BS310			0.475	1/2	0.005	0.895	7/8			
13.64	0.18	200-311	BS311			0.537	9/16	0.007	0.957	15/16			
15.24	0.23	200-312	BS312			0.600	5/8	0.009	1.020	1			
16.81	0.23	200-313	BS313			0.662	11/16	0.009	1.082	1 1/16			
18.42	0.25	200-314	BS314			0.725	3/4	0.010	1.145	1 1/8			
19.99	0.25	200-315	BS315			0.787	13/16	0.010	1.207	1 3/16			
21.59	0.25	200-316	BS316			0.850	7/8	0.010	1.270	1 1/4			
23.16	0.25	200-317	BS317			0.912	15/16	0.010	1.332	1 5/16			
24.77	0.25	200-318	BS318			0.975	1	0.010	1.395	1 3/8			
26.34	0.25	200-319	BS319			1.037	1 1/16	0.010	1.457	1 7/16			
27.94	0.30	200-320	BS320			1.100	1 1/8	0.012	1.520	1 1/2			
29.51	0.30	200-321	BS321			1.162	1 3/16	0.012	1.582	1 9/16			
31.12	0.30	200-322	BS322			1.225	1 1/4	0.012	1.645	1 5/8			

# O-Ring Imperial Size Guide

METRIC				<i>Dowty Size Reference</i>	<i>Alternative Reference</i>	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
32.69	0.30			200-323	BS323	1.287	1 <sup>5</sup> / <sub>16</sub>	0.012	1.707	1 <sup>11</sup> / <sub>16</sub>			
34.29	0.30			200-324	BS324	1.350	1 <sup>3</sup> / <sub>8</sub>	0.012	1.770	1 <sup>3</sup> / <sub>4</sub>			
37.47	0.38			200-325	BS325	1.475	1 <sup>1</sup> / <sub>2</sub>	0.015	1.895	1 <sup>7</sup> / <sub>8</sub>			
40.64	0.38			200-326	BS326	1.600	1 <sup>5</sup> / <sub>8</sub>	0.015	2.020	2			
43.82	0.38			200-327	BS327	1.725	1 <sup>3</sup> / <sub>4</sub>	0.015	2.145	2 <sup>1</sup> / <sub>8</sub>			
46.99	0.38			200-328	BS328	1.850	1 <sup>7</sup> / <sub>8</sub>	0.015	2.270	2 <sup>1</sup> / <sub>4</sub>			
50.17	0.46			200-329	BS329	1.975	2	0.018	2.395	2 <sup>3</sup> / <sub>8</sub>			
53.34	0.46			200-330	BS330	2.100	2 <sup>1</sup> / <sub>8</sub>	0.018	2.520	2 <sup>1</sup> / <sub>2</sub>			
56.52	0.46			200-331	BS331	2.225	2 <sup>1</sup> / <sub>4</sub>	0.018	2.645	2 <sup>5</sup> / <sub>8</sub>			
59.69	0.46			200-332	BS332	2.350	2 <sup>3</sup> / <sub>8</sub>	0.018	2.770	2 <sup>3</sup> / <sub>4</sub>			
62.87	0.51			200-333	BS333	2.475	2 <sup>1</sup> / <sub>2</sub>	0.020	2.895	2 <sup>7</sup> / <sub>8</sub>			
66.04	0.51			200-334	BS334	2.600	2 <sup>5</sup> / <sub>8</sub>	0.020	3.020	3			
69.22	0.51			200-335	BS335	2.725	2 <sup>3</sup> / <sub>4</sub>	0.020	3.145	3 <sup>1</sup> / <sub>8</sub>			
72.39	0.51			200-336	BS336	2.850	2 <sup>7</sup> / <sub>8</sub>	0.020	3.270	3 <sup>1</sup> / <sub>4</sub>			
75.57	0.61			200-337	BS337	2.975	3	0.024	3.395	3 <sup>3</sup> / <sub>8</sub>			
78.74	0.61			200-338	BS338	3.100	3 <sup>1</sup> / <sub>8</sub>	0.024	3.520	3 <sup>1</sup> / <sub>2</sub>			
81.92	0.61			200-339	BS339	3.225	3 <sup>1</sup> / <sub>4</sub>	0.024	3.645	3 <sup>5</sup> / <sub>8</sub>			
85.09	0.61			200-340	BS340	3.350	3 <sup>3</sup> / <sub>8</sub>	0.024	3.770	3 <sup>3</sup> / <sub>4</sub>			
88.27	0.61			200-341	BS341	3.475	3 <sup>1</sup> / <sub>2</sub>	0.024	3.895	3 <sup>7</sup> / <sub>8</sub>			
91.44	0.71			200-342	BS342	3.600	3 <sup>5</sup> / <sub>8</sub>	0.028	4.020	4			
94.62	0.71			200-343	BS343	3.725	3 <sup>3</sup> / <sub>4</sub>	0.028	4.145	4 <sup>1</sup> / <sub>8</sub>			
97.79	0.71			200-344	BS344	3.850	3 <sup>7</sup> / <sub>8</sub>	0.028	4.270	4 <sup>1</sup> / <sub>4</sub>			
100.97	0.71			200-345	BS345	3.975	4	0.028	4.395	4 <sup>3</sup> / <sub>8</sub>			
104.14	0.71			200-346	BS346	4.100	4 <sup>1</sup> / <sub>8</sub>	0.028	4.520	4 <sup>1</sup> / <sub>2</sub>			
107.32	0.76			200-347	BS347	4.225	4 <sup>1</sup> / <sub>4</sub>	0.030	4.645	4 <sup>5</sup> / <sub>8</sub>			

# O-Ring Imperial Size Guide

METRIC				Dowty Size Reference	Alternative Reference	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
110.49	0.76			200-348	BS348	4.350	4 <sup>3</sup> / <sub>8</sub>	0.030	4.770	4 <sup>3</sup> / <sub>4</sub>			
113.67	0.76			200-349	BS349	4.475	4 <sup>1</sup> / <sub>2</sub>	0.030	4.895	4 <sup>7</sup> / <sub>8</sub>			
116.84	0.76			200-350	BS350	4.600	4 <sup>5</sup> / <sub>8</sub>	0.030	5.020	5			
120.02	0.76			200-351	BS351	4.725	4 <sup>3</sup> / <sub>4</sub>	0.030	5.145	5 <sup>1</sup> / <sub>8</sub>			
123.19	0.76			200-352	BS352	4.850	4 <sup>7</sup> / <sub>8</sub>	0.030	5.270	5 <sup>1</sup> / <sub>4</sub>			
126.37	0.94			200-353	BS353	4.975	5	0.037	5.395	5 <sup>3</sup> / <sub>8</sub>			
129.54	0.94			200-354	BS354	5.100	5 <sup>1</sup> / <sub>8</sub>	0.037	5.520	5 <sup>1</sup> / <sub>2</sub>			
132.72	0.94			200-355	BS355	5.225	5 <sup>1</sup> / <sub>4</sub>	0.037	5.645	5 <sup>5</sup> / <sub>8</sub>			
135.89	0.94			200-356	BS356	5.350	5 <sup>3</sup> / <sub>8</sub>	0.037	5.770	5 <sup>3</sup> / <sub>4</sub>			
139.07	0.94			200-357	BS357	5.475	5 <sup>1</sup> / <sub>2</sub>	0.037	5.895	5 <sup>7</sup> / <sub>8</sub>			
142.24	0.94			200-358	BS358	5.600	5 <sup>5</sup> / <sub>8</sub>	0.037	6.020	6			
145.42	0.94			200-359	BS359	5.725	5 <sup>3</sup> / <sub>4</sub>	0.037	6.145	6 <sup>1</sup> / <sub>8</sub>			
148.59	0.94			200-360	BS360	5.850	5 <sup>7</sup> / <sub>8</sub>	0.037	6.270	6 <sup>1</sup> / <sub>4</sub>			
151.77	0.94			200-361	BS361	5.975	6	0.037	6.395	6 <sup>3</sup> / <sub>8</sub>			
158.12	1.02			200-362	BS362	6.225	6 <sup>1</sup> / <sub>4</sub>	0.040	6.645	6 <sup>5</sup> / <sub>8</sub>			
164.47	1.02			200-363	BS363	6.475	6 <sup>1</sup> / <sub>2</sub>	0.040	6.895	6 <sup>7</sup> / <sub>8</sub>			
170.82	1.02			200-364	BS364	6.725	6 <sup>3</sup> / <sub>4</sub>	0.040	7.145	7 <sup>1</sup> / <sub>8</sub>			
177.17	1.02			200-365	BS365	6.975	7	0.040	7.395	7 <sup>3</sup> / <sub>8</sub>			
183.52	1.14			200-366	BS366	7.225	7 <sup>1</sup> / <sub>4</sub>	0.045	7.645	7 <sup>5</sup> / <sub>8</sub>			
189.87	1.14			200-367	BS367	7.475	7 <sup>1</sup> / <sub>2</sub>	0.045	7.895	7 <sup>7</sup> / <sub>8</sub>			
196.22	1.14			200-368	BS368	7.725	7 <sup>3</sup> / <sub>4</sub>	0.045	8.145	8 <sup>1</sup> / <sub>8</sub>			
202.57	1.14			200-369	BS369	7.975	8	0.045	8.395	8 <sup>3</sup> / <sub>8</sub>			
208.92	1.27			200-370	BS370	8.225	8 <sup>1</sup> / <sub>4</sub>	0.050	8.645	8 <sup>5</sup> / <sub>8</sub>			
215.27	1.27			200-371	BS371	8.475	8 <sup>1</sup> / <sub>2</sub>	0.050	8.895	8 <sup>7</sup> / <sub>8</sub>			
221.62	1.27			200-372	BS372	8.725	8 <sup>3</sup> / <sub>4</sub>	0.050	9.145	9 <sup>1</sup> / <sub>8</sub>			

# O-Ring Imperial Size Guide

METRIC				Dowty Size Reference	Alternative Reference	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
227.97	1.27			200-373	BS373	8.975	9	0.050	9.395	9 <sup>3</sup> / <sub>8</sub>			
234.32	1.40			200-374	BS374	9.225	9 <sup>1</sup> / <sub>4</sub>	0.055	9.645	9 <sup>5</sup> / <sub>8</sub>			
240.67	1.40			200-375	BS375	9.475	9 <sup>1</sup> / <sub>2</sub>	0.055	9.895	9 <sup>7</sup> / <sub>8</sub>			
247.02	1.40			200-376	BS376	9.725	9 <sup>3</sup> / <sub>4</sub>	0.055	10.145	10 <sup>1</sup> / <sub>8</sub>			
253.37	1.40			200-377	BS377	9.975	10	0.055	10.395	10 <sup>3</sup> / <sub>8</sub>			
266.07	1.52			200-378	BS378	10.475	10 <sup>1</sup> / <sub>2</sub>	0.060	10.895	10 <sup>7</sup> / <sub>8</sub>			
278.77	1.52			200-379	BS379	10.975	11	0.060	11.395	11 <sup>3</sup> / <sub>8</sub>			
291.47	1.65			200-380	BS380	11.475	11 <sup>1</sup> / <sub>2</sub>	0.065	11.895	11 <sup>7</sup> / <sub>8</sub>			
304.17	1.65			200-381	BS381	11.975	12	0.065	12.395	12 <sup>3</sup> / <sub>8</sub>			
329.57	1.65			200-382	BS382	12.975	13	0.065	13.395	13 <sup>3</sup> / <sub>8</sub>			
354.97	1.78			200-383	BS383	13.975	14	0.070	14.395	14 <sup>3</sup> / <sub>8</sub>			
380.37	1.78			200-384	BS384	14.975	15	0.070	15.395	15 <sup>3</sup> / <sub>8</sub>			
405.26	1.91			200-385	BS385	15.955	16	0.075	16.375	16 <sup>3</sup> / <sub>8</sub>			
430.66	2.03			200-386	BS386	16.955	17	0.080	17.375	17 <sup>3</sup> / <sub>8</sub>			
456.06	2.16			200-387	BS387	17.955	18	0.085	18.375	18 <sup>3</sup> / <sub>8</sub>			
481.46	2.29			200-388	BS388	18.955	19	0.090	19.375	19 <sup>3</sup> / <sub>8</sub>			
506.86	2.41			200-389	BS389	19.955	20	0.095	20.375	20 <sup>3</sup> / <sub>8</sub>			
532.26	2.41			200-390	BS390	20.955	21	0.095	21.375	21 <sup>3</sup> / <sub>8</sub>			
557.66	2.54			200-391	BS391	21.955	22	0.100	22.375	22 <sup>3</sup> / <sub>8</sub>			
582.68	2.67			200-392	BS392	22.940	23	0.105	23.360	23 <sup>3</sup> / <sub>8</sub>			
608.08	2.79			200-393	BS393	23.940	24	0.110	24.360	24 <sup>3</sup> / <sub>8</sub>			
633.48	2.92			200-394	BS394	24.940	25	0.115	25.360	25 <sup>3</sup> / <sub>8</sub>			
658.88	3.05			200-395	BS395	25.940	26	0.120	26.360	26 <sup>3</sup> / <sub>8</sub>			
113.67	0.84	6.99	0.15	200-425	BS425	4.475	4 <sup>1</sup> / <sub>2</sub>	0.033	5.025	5	0.280	1/4	0.006
116.84	0.84			200-426	BS426	4.600	4 <sup>5</sup> / <sub>8</sub>	0.033	5.150	5 <sup>1</sup> / <sub>8</sub>			

# O-Ring Imperial Size Guide

METRIC				<i>Dowty Size Reference</i>	<i>Alternative Reference</i>	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
120.02	0.84			200-427	BS427	4.725	4 <sup>3</sup> / <sub>4</sub>	0.033	5.275	5 <sup>1</sup> / <sub>4</sub>			
123.20	0.84			200-428	BS428	4.850	4 <sup>7</sup> / <sub>8</sub>	0.033	5.400	5 <sup>3</sup> / <sub>8</sub>			
126.37	0.94			200-429	BS429	4.975	5	0.037	5.525	5 <sup>1</sup> / <sub>2</sub>			
129.54	0.94			200-430	BS430	5.100	5 <sup>1</sup> / <sub>8</sub>	0.037	5.650	5 <sup>5</sup> / <sub>8</sub>			
132.72	0.94			200-431	BS431	5.225	5 <sup>1</sup> / <sub>4</sub>	0.037	5.775	5 <sup>3</sup> / <sub>4</sub>			
135.90	0.94			200-432	BS432	5.350	5 <sup>3</sup> / <sub>8</sub>	0.037	5.900	5 <sup>7</sup> / <sub>8</sub>			
139.07	0.94			200-433	BS433	5.475	5 <sup>1</sup> / <sub>2</sub>	0.037	6.025	6			
142.24	0.94			200-434	BS434	5.600	5 <sup>5</sup> / <sub>8</sub>	0.037	6.150	6 <sup>1</sup> / <sub>8</sub>			
145.42	0.94			200-435	BS435	5.725	5 <sup>3</sup> / <sub>4</sub>	0.037	6.275	6 <sup>1</sup> / <sub>4</sub>			
148.60	0.94			200-436	BS436	5.850	5 <sup>7</sup> / <sub>8</sub>	0.037	6.400	6 <sup>3</sup> / <sub>8</sub>			
151.77	0.94			200-437	BS437	5.975	6	0.037	6.525	6 <sup>1</sup> / <sub>2</sub>			
158.12	1.02			200-438	BS438	6.225	6 <sup>1</sup> / <sub>4</sub>	0.040	6.775	6 <sup>3</sup> / <sub>4</sub>			
164.47	1.02			200-439	BS439	6.475	6 <sup>1</sup> / <sub>2</sub>	0.040	7.025	7			
170.82	1.02			200-440	BS440	6.725	6 <sup>3</sup> / <sub>4</sub>	0.040	7.275	7 <sup>1</sup> / <sub>4</sub>			
177.17	1.02			200-441	BS441	6.975	7	0.040	7.525	7 <sup>1</sup> / <sub>2</sub>			
183.52	1.14			200-442	BS442	7.225	7 <sup>1</sup> / <sub>4</sub>	0.045	7.775	7 <sup>3</sup> / <sub>4</sub>			
189.87	1.14			200-443	BS443	7.475	7 <sup>1</sup> / <sub>2</sub>	0.045	8.025	8			
196.22	1.14			200-444	BS444	7.725	7 <sup>3</sup> / <sub>4</sub>	0.045	8.275	8 <sup>1</sup> / <sub>4</sub>			
202.57	1.14			200-445	BS445	7.975	8	0.045	8.525	8 <sup>1</sup> / <sub>2</sub>			
215.27	1.40			200-446	BS446	8.475	8 <sup>1</sup> / <sub>2</sub>	0.055	9.025	9			
227.97	1.40			200-447	BS447	8.975	9	0.055	9.525	9 <sup>1</sup> / <sub>2</sub>			
240.67	1.40			200-448	BS448	9.475	9 <sup>1</sup> / <sub>2</sub>	0.055	10.025	10			
253.57	1.40			200-449	BS449	9.983	10	0.055	10.525	10 <sup>1</sup> / <sub>2</sub>			
266.07	1.52			200-450	BS450	10.475	10 <sup>1</sup> / <sub>2</sub>	0.060	11.025	11			
278.77	1.52			200-451	BS451	10.975	11	0.060	11.525	11 <sup>1</sup> / <sub>2</sub>			

# O-Ring Imperial Size Guide

METRIC				<i>Dowty Size Reference</i>	<i>Alternative Reference</i>	IMPERIAL							
Internal Diameter (mm)	Internal Diameter Tolerance +/-	Cross Section (mm)	Cross Section Tolerance +/-			Internal Diameter (inches)		Internal Diameter Tolerance +/-	Outer Diameter (inches)		Cross Section (inches)		Cross Section Tolerance +/-
						(Actual)	(Nominal)		(Actual)	(Nominal)	(Actual)	(Nominal)	
291.47	1.52			200-452	BS452	11.475	11 1/2	0.060	12.025	12			
304.17	1.52			200-453	BS453	11.975	12	0.060	12.525	12 1/2			
316.87	1.52			200-454	BS454	12.475	12 1/2	0.060	13.025	13			
329.57	1.52			200-455	BS455	12.975	13	0.060	13.525	13 1/2			
342.27	1.78			200-456	BS456	13.475	13 1/2	0.070	14.007	14			
354.97	1.78			200-457	BS457	13.975	14	0.070	14.525	14 1/2			
367.67	1.78			200-458	BS458	14.475	14 1/2	0.070	15.025	15			
380.37	1.78			200-459	BS459	14.975	15	0.070	15.525	15 1/2			
393.07	1.78			200-460	BS460	15.475	15 1/2	0.070	16.025	16			
405.26	1.91			200-461	BS461	15.955	16	0.075	16.505	16 1/2			
417.96	1.91			200-462	BS462	16.455	16 1/2	0.075	17.005	17			
430.66	2.03			200-463	BS463	16.955	17	0.080	17.505	17 1/2			
443.36	2.16			200-464	BS464	17.455	17 1/2	0.085	18.005	18			
456.06	2.16			200-465	BS465	17.955	18	0.085	18.505	18 1/2			
468.76	2.16			200-466	BS466	18.455	18 1/2	0.085	19.005	19			
481.46	2.29			200-467	BS467	18.955	19	0.090	19.505	19 1/2			
494.16	2.29			200-468	BS468	19.455	19 1/2	0.090	20.005	20			
506.86	2.41			200-469	BS469	19.955	20	0.095	20.505	20 1/2			
532.26	2.41			200-470	BS470	20.955	21	0.095	21.505	21 1/2			
557.66	2.54			200-471	BS471	21.955	22	0.100	22.505	22 1/2			
582.68	2.67			200-472	BS472	22.940	23	0.105	23.490	23 1/2			
608.08	2.79			200-473	BS473	23.940	24	0.110	24.490	24 1/2			
633.48	2.92			200-474	BS474	24.940	25	0.115	25.490	25 1/2			
658.88	3.05			200-475	BS475	25.940	26	0.120	26.490	26 1/2			