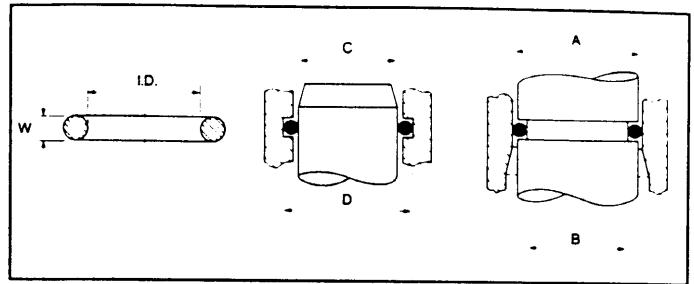


'O' Ring Size Chart and Design Data

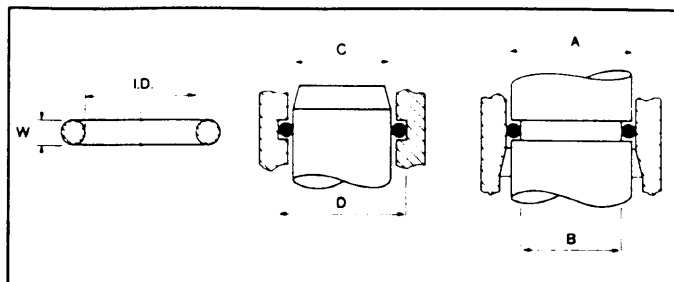
Imperial Range - BS1806



PART No.	NOMINAL SIZE	INSIDE DIAMETER				CROSS SECTION				BORE A	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C				
						W					STAT	DYN	STAT	DYN					
	C x A x W	INCH	±	mm	±	INCH	±	mm	±	INCH						STAT	DYN	STAT	DYN
001	1/32 x 3/32 x 1/32	.029		0.74		.040		1.02		.094	.036		.089		.031				
002	3/64 x 3/64 x 3/64	.042	.004	1.07	0.1	.050		1.27		.125	.053		.119		.047				
003	1/16 x 3/16 x 1/16	.056		1.42		.060		1.52		.156	.068		.150		.062				
606	5/64 x 13/64 x 1/16	.070		1.78		.040		1.02		.188	.084		.182		.078				
004		.070		.070		1.78		.188		.084		.182		.078					
607		.100		.040		1.02		.188		.084		.182		.078					
005	3/32 x 7/32 x 1/16	.101	.005	2.57	0.13					.219	.117	.107	.211	.221	.109				
006	1/8 x 1/4 x 1/16	.114		2.90						.250	.148	.138	.227	.237	.125				
801		.125		3.17															
007	3/32 x 9/32 x 1/16	.145		3.68										.281	.179	.169	.258	.268	.156
008	3/16 x 3/16 x 1/16	.176		4.47										.312	.210	.200	.289	.299	.187
802		.187		4.76															
009	7/32 x 11/32 x 1/16	.208		5.28										.344	.241	.231	.321	.331	.219
010	1/4 x 3/8 x 1/16	.239		6.07										.375	.273	.263	.352	.362	.250
803		.250		6.35															
610	5/16 x 7/16 x 1/16	.266		6.75												.437	.335	.325	.414
011		.301	7.65																
804		.312	7.94																
611	11/32 x 15/32 x 1/16	.344	.009	8.73	0.23					.500	.398	.388	.477	.487	.375				
012	3/8 x 1/2 x 1/16	.364		9.25						.562	.462		.537		.437				
013	7/16 x 9/16 x 1/16	.426		10.82															
806	1/2 x 5/8 x 1/16	.437		11.11						0.13				.625	.525		.600		.500
014		.489		12.42						0.13				.687	.587		.662		.562
015		.551		14.00						0.18									
016	5/8 x 3/4 x 1/16	.614		15.60										.750	.650		.725		.625
017	11/16 x 13/16 x 1/16	.676		17.17										.812	.712		.787		.687
018	3/4 x 7/8 x 1/16	.739		18.77										.875	.775		.850		.750
019	13/16 x 15/16 x 1/16	.801		20.35										.937	.837		.912		.812
020	7/8 x 1 x 1/16	.864	21.95					1.000	.900		.975		.875						
021	15/16 x 1 1/16 x 1/16	.926	23.52					1.062	.962		1.037		.937						
022	1 x 1 1/8 x 1/16	.989	.010	25.12	0.25	.070	.003	1.78	0.08	1.125	1.025		1.100		1.000				
023	1 1/16 x 1 3/16 x 1/16	1.051	.010	26.70	0.25					1.188	1.088		1.162		1.062				
024	1 1/8 x 1 1/4 x 1/16	1.114	.010	28.30	0.25					1.250	1.150		1.225		1.125				
025	1 3/16 x 1 5/16 x 1/16	1.176	.011	29.87	0.28					1.312	1.212		1.288		1.188				
026	1 1/4 x 1 3/8 x 1/16	1.239	.011	31.47	0.28					1.375	1.275		1.350		1.250				
027	1 5/16 x 1 7/16 x 1/16	1.301	.011	33.05	0.28					1.437	1.337		1.412		1.312				
028	1 3/8 x 1 1/2 x 1/16	1.364	.013	34.65	0.33					1.500	1.400		1.475		1.375				
517	1 7/16 x 1 9/16 x 1/16	1.428	.015	36.27	0.38														
029	1 1/2 x 1 5/8 x 1/16	1.489	.010	37.82	0.33					1.625	1.525		1.600		1.500				
519	1 9/16 x 1 11/16 x 1/16	1.553	.015	39.45	0.38														
030	1 5/8 x 1 3/4 x 1/16	1.614	.013	41.00	0.33	1.750	1.650		1.725		1.625								
031	1 3/4 x 1 7/8 x 1/16	1.739	.015	44.17	0.38	1.875	1.775		1.850		1.750								
032	1 7/8 x 2 x 1/16	1.864	.015	47.35	0.38	2.000	1.900		1.975		1.875								
033	2 x 2 1/8 x 1/16	1.989	.018	50.52	0.46	2.125	2.025		2.100		2.000								
034	2 1/8 x 2 1/4 x 1/16	2.114	.018	53.70	0.46	2.250	2.150		2.225		2.125								
035	2 1/4 x 2 3/8 x 1/16	2.239	.018	56.87	0.46	2.375	2.275		2.350		2.250								
036	2 3/8 x 2 1/2 x 1/16	2.364	.018	60.05	0.46	2.500	2.400		2.475		2.375								
037	2 1/2 x 2 5/8 x 1/16	2.489	.018	63.22	0.46	2.625	2.525		2.600		2.500								
038	2 5/8 x 2 3/4 x 1/16	2.614	.020	66.40	0.51	2.750	2.650		2.725		2.625								
039	2 3/4 x 2 7/8 x 1/16	2.739	.020	69.57	0.51	2.875	2.775		2.850		2.750								
040	2 7/8 x 3 x 1/16	2.864	.020	72.75	0.51	3.000	2.900		2.975		2.875								
041	3 x 3 1/8 x 1/16	2.989	.024	75.92	0.61	3.125	3.025		3.100		3.000								
532	3 1/8 x 3 3/4 x 1/16	3.110	.020	79.00	0.51														
042	3 1/4 x 3 3/8 x 1/16	3.239	.024	82.27	0.61	3.375	3.275		3.350		3.250								

'O' Ring Size Chart and Design Data

Imperial Range - BS1806



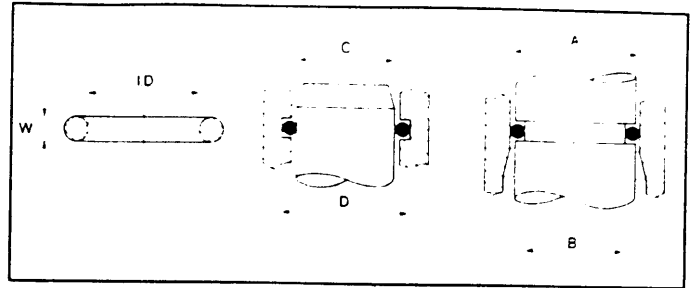
PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION W				BORE A INCH	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	INCH	±	mm	±		STAT	DYN	STAT	DYN	
534	3 $\frac{3}{8}$ x 3 $\frac{1}{2}$ x $\frac{1}{16}$	3.360	.020	85.34	0.51	.070	.003	1.78	0.08	3.625	3.525		3.600		3.500
043	3 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x $\frac{1}{16}$	3.489	.024	88.62	0.61										
536	3 $\frac{3}{8}$ x 3 $\frac{3}{4}$ x $\frac{1}{16}$	3.610	.020	91.70	0.51										
044	3 $\frac{3}{4}$ x 3 $\frac{3}{8}$ x $\frac{1}{16}$	3.739	.027	94.97	0.69					3.875	3.775		3.850		3.750
538	3 $\frac{7}{8}$ x 4 x $\frac{1}{16}$	3.860	.020	98.05	0.51										
045	4 x 4 $\frac{1}{8}$ x $\frac{1}{16}$	3.989	.027	101.32	0.69					4.125	4.025		4.100		
540	4 $\frac{1}{8}$ x 4 $\frac{1}{4}$ x $\frac{1}{16}$	4.110	.020	104.4	0.51										
046	4 $\frac{1}{4}$ x 4 $\frac{3}{8}$ x $\frac{1}{16}$	4.239	.030	107.67	0.76					4.375	4.275		4.350		4.250
542	4 $\frac{3}{8}$ x 4 $\frac{1}{2}$ x $\frac{1}{16}$	4.360	.020	110.74	0.51										
047	4 $\frac{1}{2}$ x 4 $\frac{3}{8}$ x $\frac{1}{16}$	4.489	.030	114.02	0.76					4.625	4.525		4.600		4.500
544	4 $\frac{3}{8}$ x 4 $\frac{3}{4}$ x $\frac{1}{16}$	4.610	.020	117.10	0.51										
048	4 $\frac{3}{4}$ x 4 $\frac{7}{8}$ x $\frac{1}{16}$	4.739	.030	120.37	0.76					4.875	4.775		4.850		4.750
546	4 $\frac{7}{8}$ x 5 x $\frac{1}{16}$	4.860	.020	123.44	0.51										
049	5 x 5 $\frac{1}{8}$ x $\frac{1}{16}$	4.989	.037	126.72	0.94					5.125	5.025		5.100		5.000
548	5 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x $\frac{1}{16}$	5.095	.028	129.4	0.71										
050	5 $\frac{1}{4}$ x 5 $\frac{3}{8}$ x $\frac{1}{16}$	5.239	.037	133.07	0.94					5.375	5.275		5.350		5.250
550	5 $\frac{3}{8}$ x 5 $\frac{1}{2}$ x $\frac{1}{16}$	5.345	.028	135.76	0.71										
551	5 $\frac{1}{2}$ x 5 $\frac{3}{8}$ x $\frac{1}{16}$	5.470	.028	138.94	0.71										
552	5 $\frac{5}{8}$ x 5 $\frac{3}{4}$ x $\frac{1}{16}$	5.595	.028	142.11	0.71										
553	5 $\frac{3}{4}$ x 5 $\frac{7}{8}$ x $\frac{1}{16}$	5.720	.028	145.29	0.71										
554	5 $\frac{7}{8}$ x 6 x $\frac{1}{16}$	5.845	.028	148.46	0.71										
555	6 x 6 $\frac{1}{8}$ x $\frac{1}{16}$	5.970	.028	151.64	0.71										
556	6 $\frac{1}{8}$ x 6 $\frac{1}{4}$ x $\frac{1}{16}$	6.095	.028	154.81	0.71										
557	6 $\frac{1}{4}$ x 6 $\frac{3}{8}$ x $\frac{1}{16}$	6.220	.028	158.00	0.71										
558	6 $\frac{3}{8}$ x 6 $\frac{1}{2}$ x $\frac{1}{16}$	6.345	.028	161.16	0.71										
559	6 $\frac{1}{2}$ x 6 $\frac{3}{8}$ x $\frac{1}{16}$	6.470	.028	164.34	0.71										
560	6 $\frac{3}{4}$ x 6 $\frac{3}{4}$ x $\frac{1}{16}$	6.595	.028	167.51	0.71										
561	6 $\frac{3}{4}$ x 6 $\frac{7}{8}$ x $\frac{1}{16}$	6.720	.028	170.69	0.71										
562	6 $\frac{7}{8}$ x 7 x $\frac{1}{16}$	6.845	.028	173.87	0.71										
102	$\frac{1}{16}$ x $\frac{1}{4}$ x $\frac{3}{32}$	.049	.005	1.24	0.13					.250	.090	.076	.222	.236	.062
103	$\frac{3}{32}$ x $\frac{9}{32}$ x $\frac{3}{32}$	.081	.005	2.06	0.13					.281	.121	.107	.253	.267	.093
104	$\frac{1}{8}$ x $\frac{5}{16}$ x $\frac{3}{32}$	.112	.005	2.84	0.13					.313	.153	.139	.285	.299	.125
105	$\frac{3}{32}$ x $\frac{11}{32}$ x $\frac{3}{32}$	.143	.005	3.63	0.13					.344	.184	.170	.316	.330	.156
106	$\frac{3}{16}$ x $\frac{3}{8}$ x $\frac{3}{32}$	.174	.005	4.42	0.13					.375	.215	.201	.347	.361	.187
107	$\frac{7}{16}$ x $\frac{13}{16}$ x $\frac{3}{32}$	.205	.005	5.20	0.13					.406	.246	.232	.378	.392	.200

SECTION 1

[illegible]

'O' Ring Size Chart and Design Data

Imperial Range - BS1806

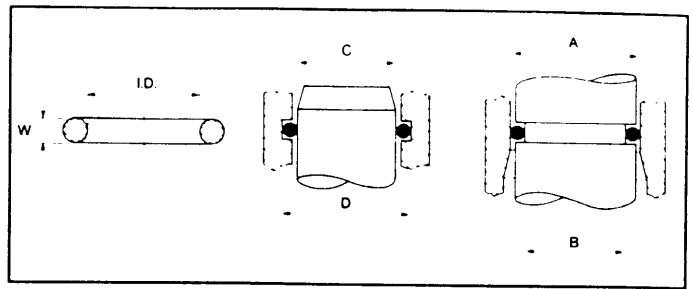


SECTION 1

PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION				BORE A	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	INCH	±	mm	±		STAT	DYN	STAT	DYN	
166	6 ³ / ₄ x 6 ¹ / ₁₆ x ³ / ₃₂	6.737	.040	171.12	1.02	.103	.003	2.62	0.08	6.937	6.777		6.910		6.750
167	7 x 7 ³ / ₁₆ x ³ / ₃₂	6.987	.040	177.47	1.02					7.187	7.027		7.160		7.000
168	7 ¹ / ₄ x 7 ¹ / ₁₆ x ³ / ₃₂	7.237	.045	183.82	1.14					7.437	7.277		7.410		7.250
169	7 ¹ / ₂ x 7 ¹ / ₁₆ x ³ / ₃₂	7.487	.045	190.17	1.14					7.687	7.527		7.660		7.500
170	7 ³ / ₄ x 7 ¹ / ₁₆ x ³ / ₃₂	7.737	.045	196.52	1.14					7.937	7.777		7.910		7.750
171	8 x 8 ³ / ₁₆ x ³ / ₃₂	7.987	.045	202.87	1.14					8.187	8.027		8.160		8.000
172	8 ¹ / ₄ x 8 ⁷ / ₁₆ x ³ / ₃₂	8.237	.050	209.22	1.27					8.437	8.277		8.410		8.250
173	8 ¹ / ₂ x 8 ¹ / ₁₆ x ³ / ₃₂	8.487	.050	215.57	1.27					8.687	8.527		8.660		8.500
174	8 ³ / ₄ x 8 ¹ / ₁₆ x ³ / ₃₂	8.737	.050	221.92	1.27					8.937	8.777		8.910		8.750
175	9 x 9 ³ / ₁₆ x ³ / ₃₂	8.987	.050	228.27	1.27					9.187	9.027		9.160		9.000
176	9 ¹ / ₄ x 9 ⁷ / ₁₆ x ³ / ₃₂	9.237	.055	234.62	1.40	.139	.004	3.53	0.10	9.437	9.277		9.410		9.250
177	9 ¹ / ₂ x 9 ¹ / ₁₆ x ³ / ₃₂	9.487	.055	240.97	1.40					9.687	9.527		9.660		9.500
178	9 ³ / ₄ x 9 ¹ / ₁₆ x ³ / ₃₂	9.737	.055	247.32	1.40					9.937	9.777		9.910		9.750
201	³ / ₁₆ x ⁷ / ₁₆ x ¹ / ₈	.171	.005	4.34	0.13					.437	.215	.199	.409	.425	.187
202	¹ / ₄ x ¹ / ₂ x ¹ / ₈	.234	.005	5.94	0.13					.500	.277	.261	.472	.488	.250
203	⁵ / ₁₆ x ⁹ / ₁₆ x ¹ / ₈	.296	.005	7.52	0.13					.562	.340	.324	.514	.530	.312
204	³ / ₈ x ⁵ / ₈ x ¹ / ₈	.359	.005	9.12	0.13					.625	.403	.387	.597	.613	.375
205	⁷ / ₁₆ x ¹ / ₁₆ x ¹ / ₈	.421	.005	10.69	0.13					.687	.465	.449	.659	.675	.437
206	¹ / ₂ x ³ / ₄ x ¹ / ₈	.484	.005	12.29	0.13					.750	.527	.511	.722	.738	.500
207	⁹ / ₁₆ x ¹ / ₁₆ x ¹ / ₈	.546	.007	13.87	0.18					.812	.590	.574	.814	.830	.562
208	⁵ / ₈ x ⁷ / ₈ x ¹ / ₈	.609	.009	15.47	0.23					.875	.653	.637	.847	.863	.625
209	¹ / ₁₆ x ¹ / ₁₆ x ¹ / ₈	.671	.009	17.04	0.23					.937	.715	.699	.909	.925	.687
210	³ / ₄ x 1 x ¹ / ₈	.734	.010	18.66	0.25					1.000	.778	.762	.972	.988	.750
211	¹ / ₁₆ x ¹ / ₁₆ x ¹ / ₈	.796	.010	20.22	0.25					1.062	.840	.824	1.034	1.050	.812
212	⁷ / ₈ x 1 ¹ / ₈ x ¹ / ₈	.859	.010	21.82	0.25					1.125	.903	.887	1.097	1.113	.875
213	¹ / ₁₆ x ¹ / ₁₆ x ¹ / ₈	.921	.010	23.40	0.25					1.188	.966	.950	1.159	1.175	.937
214	1 x 1 ¹ / ₄ x ¹ / ₈	.984	.010	25.00	0.25					1.250	1.028	1.012	1.222	1.238	1.000
618		1.016	.006	25.80	0.15										
215	1 ¹ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.046	.010	26.58	0.25					1.312	1.090	1.074	1.284	1.300	1.062
216	1 ¹ / ₈ x 1 ¹ / ₈ x ¹ / ₈	1.109	.012	28.17	0.30					1.375	1.153	1.137	1.347	1.363	1.125
217	1 ³ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.171	.012	29.75	0.30					1.437	1.215	1.199	1.410	1.426	1.188
218	1 ¹ / ₄ x 1 ¹ / ₂ x ¹ / ₈	1.234	.012	31.35	0.30					1.500	1.278	1.262	1.472	1.488	1.250
219	1 ¹ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.296	.012	32.92	0.30					1.562	1.340	1.324	1.534	1.550	1.312
220	1 ³ / ₈ x 1 ⁵ / ₈ x ¹ / ₈	1.359	.012	34.52	0.30					1.625	1.403	1.387	1.597	1.613	1.375
221	1 ⁷ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.421	.012	36.09	0.30					1.688	1.466	1.450	1.659	1.675	1.437
222	1 ¹ / ₂ x 1 ³ / ₄ x ¹ / ₈	1.484	.015	37.70	0.38					1.750	1.528	1.512	1.722	1.738	1.500
824	1 ⁹ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.563	.010	39.7	0.25										
223	1 ⁵ / ₈ x 1 ⁷ / ₈ x ¹ / ₈	1.609	.015	40.87	0.38					1.875	1.653		1.847		1.625
825		1.625	.010	41.28	0.25										
826	1 ¹ / ₁₆ x 1 ¹ / ₁₆ x ¹ / ₈	1.687	.010	42.86	0.25										
224	1 ³ / ₄ x 2 x ¹ / ₈	1.734	.015	44.04	0.38					2.000	1.778		1.972		1.750
827		1.750	.010	44.45	0.25										
828	1 ¹ / ₁₆ x 2 ¹ / ₁₆ x ¹ / ₈	1.812	.010	46.04	0.25										
225	1 ⁷ / ₈ x 2 ¹ / ₈ x ¹ / ₈	1.859	.018	47.22	0.46					2.125	1.903		2.097		1.875
829		1.875	.010	47.62	0.25										
830	1 ¹ / ₁₆ x 2 ³ / ₁₆ x ¹ / ₈	1.937	.010	49.20	0.25										
226	2 x 2 ¹ / ₄ x ¹ / ₈	1.984	.018	50.39	0.46					2.250	2.028		2.222		2.000
831		2.000	.010	50.80	0.25										
832	2 ¹ / ₁₆ x 2 ⁵ / ₁₆ x ¹ / ₈	2.062	.010	52.40	0.25										
227	2 ¹ / ₈ x 2 ³ / ₈ x ¹ / ₈	2.109	.018	53.37	0.46					2.375	2.153		2.347		2.125
833		2.125	.010	53.97	0.25										
834	2 ³ / ₁₆ x 2 ⁷ / ₁₆ x ¹ / ₈	2.187	.010	55.56	0.25										

'O' Ring Size Chart and Design Data

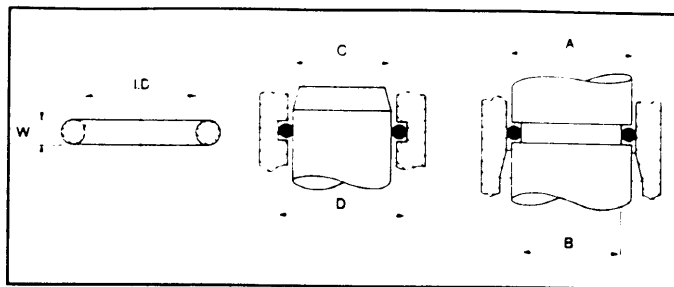
Imperial Range - BS1806



SIZE	NOMINAL	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
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'O' Ring Size Chart and Design Data

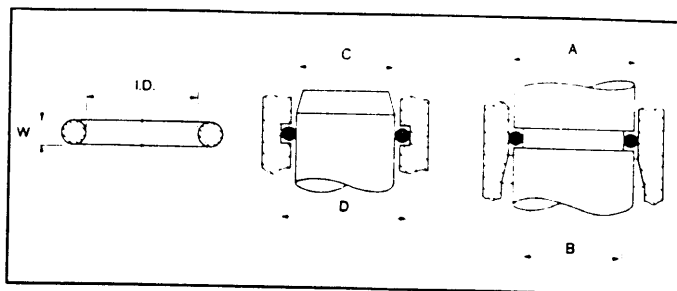
Imperial Range - BS1806



PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION W				BORE A INCH	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	INCH	±	mm	±		STAT	DYN	STAT	DYN	
270	9 x 9 1/4 x 1/8	8.984	.050	228.19	1.27	.139	.004	3.53	0.10	9.250	9.028		9.222		9.000
271	9 1/4 x 9 1/2 x 1/8	9.234	.055	234.54	1.40					9.500	9.278		9.472		9.250
272	9 1/2 x 9 3/4 x 1/8	9.484	.055	240.89	1.40					9.750	9.528		9.722		9.500
273	9 3/4 x 10 x 1/8	9.734	.055	247.24	1.40					10.000	9.778		9.972		9.750
274	10 x 10 1/4 x 1/8	9.984	.055	253.59	1.40					10.250	10.028		10.222		10.000
275	10 1/2 x 10 3/4 x 1/8	10.484	.055	266.29	1.40					10.750	10.528		10.722		10.500
276	11 x 11 1/4 x 1/8	10.984	.065	278.99	1.40					11.250	11.028		11.222		11.000
277	11 1/2 x 11 3/4 x 1/8	11.484	.065	291.69	1.40					11.750	11.528		11.722		11.500
278	12 x 12 1/4 x 1/8	11.984	.065	304.39	1.65					12.250	12.028		12.222		12.000
279	13 x 13 1/4 x 1/8	12.984	.065	329.79	1.65					13.250	13.028		13.222		13.000
280	14 x 14 1/4 x 1/8	13.984	.065	355.19	1.65					14.250	14.028		14.222		14.000
281	15 x 15 1/4 x 1/8	14.984	.065	380.59	1.65					15.250	15.028		15.222		15.000
282	16 x 16 1/4 x 1/8	15.955	.075	405.26	1.90					16.250	16.028		16.222		16.000
283	17 x 17 1/4 x 1/8	16.955	.080	430.66	2.16					17.250	17.028		17.222		17.000
284	18 x 18 1/4 x 1/8	17.955	.085	456.06	2.42					18.250	18.028		18.222		18.000
309	7/16 x 1 1/16 x 3/16	.412	.005	10.46	0.13					.812	.462	.446	.787	.803	.437
310	1/2 x 7/8 x 3/16	.475	.005	12.07	0.13					.875	.525	.509	.850	.866	.500
311	9/16 x 1 5/16 x 3/16	.537	.007	13.64	0.18					.937	.587	.571	.912	.928	.562
312	5/8 x 1 x 3/16	.600	.009	15.24	0.23					1.000	.650	.634	.975	.991	.625
313	1 1/16 x 1 1/16 x 3/16	.662	.009	16.81	0.23					1.062	.712	.696	1.037	1.053	.687
314	3/4 x 1 1/8 x 3/16	.725	.010	18.42	0.25					1.125	.774	.758	1.100	1.116	.750
315	1 3/16 x 1 3/16 x 3/16	.787	.010	19.99	0.25					1.187	.837	.821	1.162	1.178	.812
316	7/8 x 1 1/4 x 3/16	.850	.010	21.59	0.25					1.250	.900	.884	1.225	1.241	.875

'O' Ring Size Chart and Design Data

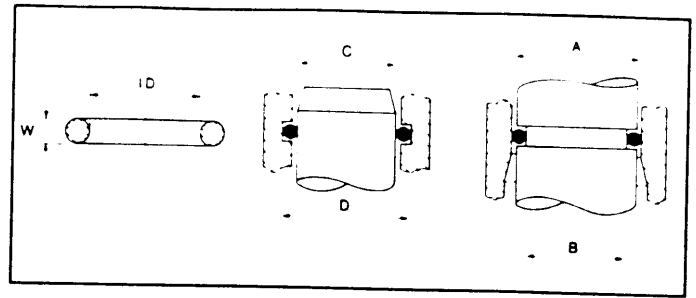
Imperial Range - BS1806



PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION W				BORE A	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	INCH	±	mm	±		STAT	DYN	STAT	DYN	
342	3 ⁵ / ₁₆ x 4 x ³ / ₁₆	3.600	.028	91.44	0.71	.210	.005	5.33	0.13	4.000	3.650	3.634	3.975	3.991	3.625
343	3 ³ / ₄ x 4 ¹ / ₈ x ³ / ₁₆	3.725	.028	94.62	0.71					4.125	3.775	3.759	4.100	4.116	3.750
344	3 ⁷ / ₈ x 4 ¹ / ₄ x ³ / ₁₆	3.850	.028	97.79	0.71					4.250	3.900	3.884	4.225	4.241	3.875
622	3 ¹⁵ / ₁₆ x 4 ⁵ / ₁₆ x ³ / ₁₆	3.937	.015	100.00	0.38					4.375	4.025	4.009	4.350	4.366	4.000
345	4 x 4 ³ / ₈ x ³ / ₁₆	3.975	.028	100.97	0.71						4.150	4.134	4.475	4.491	4.125
346	4 ¹ / ₈ x 4 ¹ / ₂ x ³ / ₁₆	4.100	.028	104.14	0.71					4.500	4.275	4.259	4.600	4.616	4.250
347	4 ¹ / ₄ x 4 ⁵ / ₈ x ³ / ₁₆	4.225	.030	107.32	0.76					4.625	4.400	4.384	4.725	4.741	4.375
623	4 ³ / ₈ x 4 ³ / ₄ x ³ / ₁₆	4.312	.015	109.54	0.38					4.750	4.525	4.509	4.850	4.866	4.500
348	4 ³ / ₈ x 4 ³ / ₄ x ³ / ₁₆	4.350	.030	110.49	0.76						4.650		4.975		4.625
349	4 ¹ / ₂ x 4 ⁷ / ₈ x ³ / ₁₆	4.475	.030	113.67	0.76					5.000	4.775		5.100		4.750
350	4 ⁵ / ₈ x 5 x ³ / ₁₆	4.600	.030	116.84	0.76					5.125	4.900		5.225		4.875
860	4 ⁵ / ₈ x 5 x ³ / ₁₆	4.625	.015	117.48	0.38						5.025		5.350		5.000
351	4 ³ / ₄ x 5 ¹ / ₈ x ³ / ₁₆	4.725	.030	120.02	0.76					5.500	5.150		5.475		5.125
861	4 ⁷ / ₈ x 5 ¹ / ₄ x ³ / ₁₆	4.750	.015	120.65	0.38					5.625	5.275		5.600		5.250
352	4 ⁷ / ₈ x 5 ¹ / ₄ x ³ / ₁₆	4.850	.030	123.19	0.76					5.750	5.400		5.725		5.375
862	5 x 5 ³ / ₈ x ³ / ₁₆	4.875	.015	123.83	0.38					6.000	5.525		5.850		5.500
353	5 x 5 ³ / ₈ x ³ / ₁₆	4.975	.037	126.37	0.94					6.125	5.775		6.100		5.750
863	5 x 5 ³ / ₈ x ³ / ₁₆	5.000	.023	127.00	0.58					6.250	5.900		6.225		5.875
354	5 ¹ / ₈ x 5 ¹ / ₂ x ³ / ₁₆	5.100	.037	129.54	0.95					6.375	6.025		6.350		6.000
864	5 ¹ / ₂ x 5 ⁵ / ₈ x ³ / ₁₆	5.125	.023	130.18	0.58					6.625	6.275		6.600		6.250
355	5 ¹ / ₄ x 5 ⁵ / ₈ x ³ / ₁₆	5.225	.037	132.72	0.94					6.875	6.525		6.850		6.500
865	5 ³ / ₈ x 5 ³ / ₄ x ³ / ₁₆	5.250	.023	133.35	0.58					7.125	6.775		7.100		6.750
356	5 ³ / ₈ x 5 ³ / ₄ x ³ / ₁₆	5.350	.037	135.89	0.94					7.375	7.025		7.350		7.000
866	5 ³ / ₈ x 5 ³ / ₄ x ³ / ₁₆	5.375	.023	136.53	0.58					7.625	7.275		7.600		7.250
357	5 ¹ / ₂ x 5 ⁷ / ₈ x ³ / ₁₆	5.475	.037	139.07	0.94					7.875	7.525		7.850		7.500
867	5 ⁵ / ₈ x 6 x ³ / ₁₆	5.500	.023	139.70	0.58					8.125	7.775		8.100		7.750
358	5 ⁵ / ₈ x 6 x ³ / ₁₆	5.600	.037	142.24	0.94					8.375	8.025		8.350		8.000
868	5 ³ / ₄ x 6 ¹ / ₈ x ³ / ₁₆	5.625	.023	142.88	0.58					8.625	8.275		8.600		8.250
359	5 ³ / ₄ x 6 ¹ / ₈ x ³ / ₁₆	5.725	.037	145.42	0.94					8.875	8.525		8.850		8.500
869	5 ³ / ₄ x 6 ¹ / ₈ x ³ / ₁₆	5.750	.023	146.05	0.58					9.125	8.775		9.100		8.750
360	5 ⁷ / ₈ x 6 ¹ / ₄ x ³ / ₁₆	5.850	.037	148.49	0.94					9.375	9.025		9.350		9.000
870	6 x 6 ³ / ₈ x ³ / ₁₆	5.875	.023	149.23	0.58					9.625	9.275		9.600		9.250
361	6 x 6 ³ / ₈ x ³ / ₁₆	5.975	.037	151.77	0.94					9.875	9.525		9.850		9.500
644	6 ¹ / ₈ x 6 ¹ / ₂ x ³ / ₁₆	6.100	.023	155.00	0.58					10.125	9.775		10.100		9.750
362	6 ¹ / ₄ x 6 ⁵ / ₈ x ³ / ₁₆	6.225	.040	158.12	1.02					10.375	10.025		10.350		10.000
645	6 ³ / ₈ x 6 ³ / ₄ x ³ / ₁₆	6.350	.023	161.30	0.58					10.875	10.525		10.850		10.500
363	6 ¹ / ₂ x 6 ⁷ / ₈ x ³ / ₁₆	6.475	.040	164.47	1.02					10.875	10.525		10.850		10.500
646	6 ⁵ / ₈ x 7 x ³ / ₁₆	6.600	.023	167.70	0.58										
364	6 ³ / ₄ x 7 ¹ / ₈ x ³ / ₁₆	6.725	.040	170.82	1.02										
647	6 ⁷ / ₈ x 7 ¹ / ₄ x ³ / ₁₆	6.850	.023	174.00	0.58										
365	7 x 7 ³ / ₈ x ³ / ₁₆	6.975	.040	177.17	1.02					10.875	10.525		10.850		10.500
366	7 ¹ / ₄ x 7 ³ / ₈ x ³ / ₁₆	7.225	.045	183.52	1.14										
367	7 ¹ / ₂ x 7 ⁷ / ₈ x ³ / ₁₆	7.475	.045	189.87	1.14										
368	7 ³ / ₄ x 8 ¹ / ₈ x ³ / ₁₆	7.725	.045	196.22	1.14										
369	8 x 8 ³ / ₈ x ³ / ₁₆	7.975	.045	202.57	1.14										
370	8 ¹ / ₄ x 8 ⁵ / ₈ x ³ / ₁₆	8.225	.050	206.92	1.30										
371	8 ¹ / ₂ x 8 ⁷ / ₈ x ³ / ₁₆	8.475	.050	215.27	1.30										
372	8 ³ / ₄ x 9 ¹ / ₈ x ³ / ₁₆	8.725	.050	221.62	1.30										
373	9 x 9 ³ / ₈ x ³ / ₁₆	8.975	.050	227.97	1.30										
374	9 ¹ / ₄ x 9 ⁵ / ₈ x ³ / ₁₆	9.225	.055	234.32	1.40										
375	9 ¹ / ₂ x 9 ⁷ / ₈ x ³ / ₁₆	9.475	.055	240.67	1.40										
376	9 ³ / ₄ x 10 ¹ / ₈ x ³ / ₁₆	9.725	.055	247.02	1.40										
377	10 x 10 ³ / ₈ x ³ / ₁₆	9.975	.055	253.37	1.40										
378	10 ¹ / ₂ x 10 ⁷ / ₈ x ³ / ₁₆	10.475	.060	266.07	1.52										

'O' Ring Size Chart and Design Data

Imperial Range - BS1806



PART	NOMINAL	INSIDE DIAMETER	CROSS SECTION	ROD	PIPE	FLANGE
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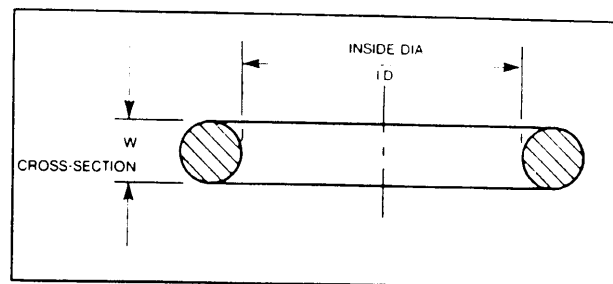
SECTION 1

SECTION I

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Standard Metric 'O' Ring range

Sizes to BS 4518



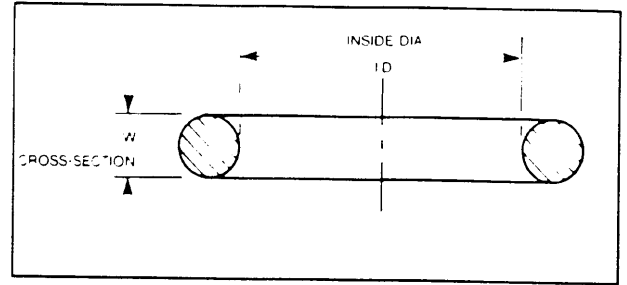
SECTION 3

PART No.	INTERNAL DIA		CROSS SECTION	
	ID	±	W	±
0031-16	3.1	0.15	1.6	0.08
0041-16	4.1			
0051-16	5.1			
0061-16	6.1			
0071-16	7.1			
0081-16	8.1			
0091-16	9.1			
0101-16	10.1	0.20		
0111-16	11.1			
0121-16	12.1			
0131-16	13.1			
0141-16	14.1			
0151-16	15.1			
0161-16	16.1			
0171-16	17.1			
0181-16	18.1	0.25		
0191-16	19.1			
0221-16	22.1			
0251-16	25.1			
0271-16	27.1			
0291-16	29.1			
0321-16	32.1	0.30		
0351-16	35.1			
0371-16	37.1			
0036-24	3.6	0.15	2.4	0.08
0046-24	4.6			
0056-24	5.6			
0066-24	6.6			
0076-24	7.6			
0086-24	8.6			
0096-24	9.6			
0106-24	10.6	0.20		
0116-24	11.6			
0126-24	12.6			
0136-24	13.6			
0146-24	14.6			
0156-24	15.6			
0166-24	16.6			
0176-24	17.6			

PART No.	INTERNAL DIA		CROSS SECTION	
	ID	±	W	±
0186-24	18.6	0.25	2.4	0.08
0196-24	19.6			
0216-24	21.6			
0246-24	24.6			
0276-24	27.6			
0296-24	29.6			
0316-24	31.6	0.30		
0346-24	34.6			
0376-24	37.6			
0396-24	39.6			
0416-24	41.6			
0446-24	44.6			
0476-24	47.6			
0496-24	49.6			
0516-24	51.6	0.40		
0546-24	54.6			
0576-24	57.6			
0596-24	59.6			
0616-24	61.6			
0646-24	64.6			
0676-24	67.6			
0696-24	69.6			
0195-30	19.5	0.25	3.0	0.1
0215-30	21.5			
0225-30	22.5			
0245-30	24.5			
0255-30	25.5			
0265-30	26.5			
0275-30	27.5			
0295-30	29.5			
0315-30	31.5	0.3		
0325-30	32.5			
0345-30	34.5			
0355-30	35.5			
0365-30	36.5			
0375-30	37.5			
0395-30	39.5			
0415-30	41.5			
0425-30	42.5			

Standard Metric 'O' Ring range

Sizes to BS 4518

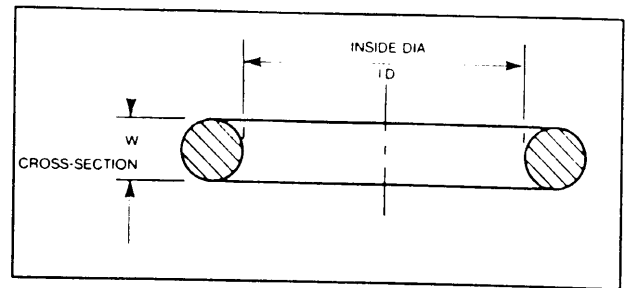


PART No.	INTERNAL DIA		CROSS SECTION			
	ID	±	W	±		
0445-30	44.5	0.4	3.0	0.1		
0495-30	49.5					
0595-30	59.5					
0645-30	64.5					
0695-30	69.5					
0745-30	74.5					
0795-30	79.5					
0845-30	84.5	0.5				
0895-30	89.5					
0945-30	94.5					
0995-30	99.5					
1045-30	104.5					
1095-30	109.5					
1145-30	114.5					
1195-30	119.5					
1245-30	124.5	0.6				
1295-30	129.5					
1345-30	134.5					
1395-30	139.5					
1445-30	144.5					
1495-30	149.5					
1545-30	154.5					
1595-30	159.5					
1645-30	164.5					
1695-30	169.5					
1745-30	174.5					
1795-30	179.5					
1845-30	184.5	0.8				
1895-30	189.5					
1945-30	194.5					
1995-30	199.5					
2095-30	209.5					
2195-30	219.5					
2295-30	229.5					
2395-30	239.5					
2495-30	249.5					
0443-57	44.3	0.3				
0453-57	45.3					
0493-57	49.3					

PART No.	INTERNAL DIA		CROSS SECTION	
	ID	±	W	±
0523-57	52.3	0.4	5.7	0.12
0543-57	54.3			
0593-57	59.3			
0623-57	62.3			
0643-57	64.3			
0693-57	69.3			
0743-57	74.3			
0793-57	79.3	0.5		
0843-57	84.3			
0893-57	89.3			
0943-57	94.3			
0993-57	99.3			
1043-57	104.3			
1093-57	109.3			
1143-57	114.3			
1193-57	119.3	0.6		
1243-57	124.3			
1293-57	129.3			
1343-57	134.3			
1393-57	139.3			
1443-57	144.3			
1493-57	149.3			
1543-57	154.3			
1593-57	159.3			
1643-57	164.3			
1693-57	169.3			
1743-57	174.3			
1793-57	179.3	0.8		
1843-57	184.3			
1893-57	189.3			
1943-57	194.3			
1993-57	199.3			
2093-57	209.3			
2193-57	219.3			
2293-57	229.3			
2493-57	249.3			
2593-57	259.3	1.0		
2693-57	269.3			
2793-57	279.3			

Standard Metric 'O' Ring range

Sizes to BS 4518



SECTION 3

PART No.	INTERNAL DIA		CROSS SECTION			
	ID	±	W	±		
2893-57	289.3	1.0	5.7	0.12		
2993-57	299.3	1.0				
3193-57	319.3	1.5				
3393-57	339.3					
3593-57	359.3					
3793-57	379.3					
3993-57	399.3					
4193-57	419.3	2.0				
4393-57	439.3					
4593-57	459.3					
4793-57	479.3					
4993-57	499.3					
1441-84	144.1	0.6	8.4	0.15		
1491-84	149.1					
1541-84	154.1					
1591-84	159.1					
1641-84	164.1					
1741-84	174.1					
1791-84	179.1	0.8				
1841-84	184.1					
1891-84	189.1					
1941-84	194.1					
1991-84	199.1					
2041-84	204.1					
2091-84	209.1					
2191-84	219.1					
2291-84	229.1					
2341-84	234.1					
2391-84	239.1					
2491-84	249.1					