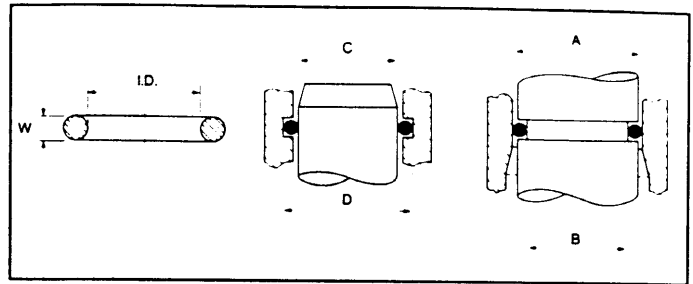


'O' Ring Size Chart and Design Data

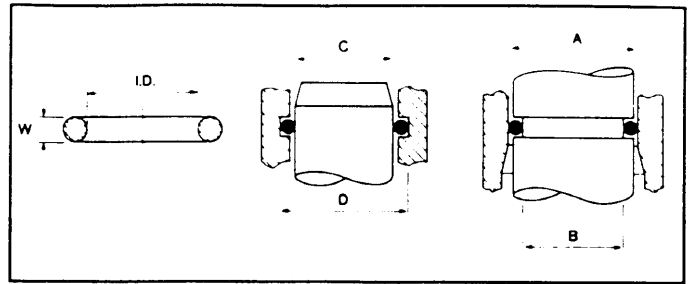
Imperial Range - BS1806



PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION				BORE A INCH	PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	W					STAT	DYN	STAT	DYN	
						INCH	±	mm	±						
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		1.78		.070		1.78							
607		.100		2.54		.040		1.02							
005	3/32 x 7/32 x 1/16	.101		2.57						.219	.117	.107	.211	.221	.109
006		.114		2.90						.250	.148	.138	.227	.237	.125
801		.125		3.17											
007	5/32 x 9/32 x 1/16	.145		3.68						.281	.179	.169	.258	.268	.156
008		.176		4.47						.312	.210	.200	.289	.299	.187
802		.187	.005	4.76	0.13										
009	7/32 x 11/32 x 1/16	.208		5.28						.344	.241	.231	.321	.331	.219
010		.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	.424	.312
011		.301		7.65											
804		.312		7.94											
611	11/32 x 13/32 x 1/16	.344		8.73						.500	.398	.388	.477	.487	.375
012		.364		9.25											
013		.426		10.82											
806	1/2 x 5/8 x 1/16	.437	.005	11.11	0.13					.625	.525		.600		.500
014		.489	.005	12.42	0.13										
015		.551	.007	14.00	0.18										
016	5/8 x 3/4 x 1/16	.614		15.60						.750	.650		.725		.625
017		.676		17.17											
018		.739	.009	18.77	0.23										
019	13/16 x 15/16 x 1/16	.801		20.35						.937	.837		.912		.812
020		.864		21.95											
021		.926		23.52											
022	1 x 1 1/8 x 1/16	.989	.010	25.12	0.25					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	.070	.003	1.78	0.08	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		1.239	.011	31.47	0.28										
027		1.301	.011	33.05	0.28										
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		1.428	.015	36.27	0.38										
029		1.489	.010	37.82	0.33										
519	1 7/16 x 1 11/16 x 1/16	1.553	.015	39.45	0.38					1.625	1.525		1.600		1.500
030		1.614	.013	41.00	0.33										
031		1.739	.015	44.17	0.38										
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		1.989	.018	50.52	0.46										
034		2.114	.018	53.70	0.46										
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		2.364	.018	60.05	0.46										
037		2.489	.018	63.22	0.46										
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		2.739	.020	69.57	0.51										
040		2.864	.020	72.75	0.51										
041	3 x 3 3/8 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					3.375	3.275		3.350		3.250
042	3 1/4 x 3 3/8 x 1/16	3.239	.024	82.27	0.61										

'O' Ring Size Chart and Design Data

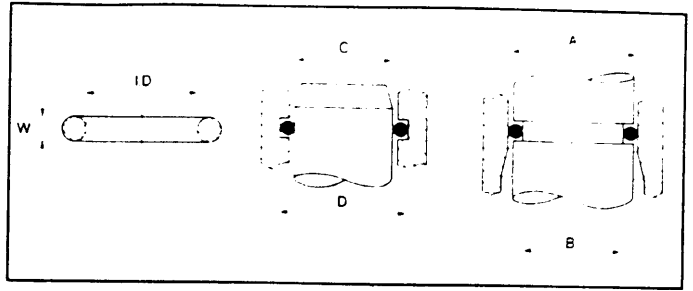
Imperial Range - BS1806



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 ³ / ₈ x 3 ¹ / ₂ x ¹ / ₁₆	3.360	.020	85.34	0.51					3.625	3.525		3.600		3.500
043	3 ¹ / ₂ x 3 ³ / ₈ x ¹ / ₁₆	3.489	.024	88.62	0.61										
536	3 ³ / ₈ x 3 ³ / ₄ x ¹ / ₁₆	3.610	.020	91.70	0.51										
044	3 ³ / ₄ x 3 ³ / ₈ x ¹ / ₁₆	3.739	.027	94.97	0.69					3.875	3.775		3.850		3.750
538	3 ⁷ / ₈ x 4 x ¹ / ₁₆	3.860	.020	98.05	0.51										
045	4 x 4 ¹ / ₈ x ¹ / ₁₆	3.989	.027	101.32	0.69					4.125	4.025		4.100		
540	4 ¹ / ₈ x 4 ¹ / ₄ x ¹ / ₁₆	4.110	.020	104.4	0.51										
046	4 ¹ / ₄ x 4 ³ / ₈ x ¹ / ₁₆	4.239	.030	107.67	0.76					4.375	4.275		4.350		4.250
542	4 ³ / ₈ x 4 ¹ / ₂ x ¹ / ₁₆	4.360	.020	110.74	0.51										
047	4 ¹ / ₂ x 4 ³ / ₈ x ¹ / ₁₆	4.489	.030	114.02	0.76					4.625	4.525		4.600		4.500
544	4 ³ / ₈ x 4 ³ / ₄ x ¹ / ₁₆	4.610	.020	117.10	0.51										
048	4 ³ / ₄ x 4 ⁷ / ₈ x ¹ / ₁₆	4.739	.030	120.37	0.76					4.875	4.775		4.850		4.750
546	4 ⁷ / ₈ x 5 x ¹ / ₁₆	4.860	.020	123.44	0.51										
049	5 x 5 ¹ / ₈ x ¹ / ₁₆	4.989	.037	126.72	0.94					5.125	5.025		5.100		5.000
548	5 ¹ / ₈ x 5 ¹ / ₄ x ¹ / ₁₆	5.095	.028	129.4	0.71	.070	.003	1.78	0.08						
050	5 ¹ / ₄ x 5 ³ / ₈ x ¹ / ₁₆	5.239	.037	133.07	0.94					5.375	5.275		5.350		5.250
550	5 ³ / ₈ x 5 ¹ / ₂ x ¹ / ₁₆	5.345	.028	135.76	0.71										
551	5 ¹ / ₂ x 5 ³ / ₈ x ¹ / ₁₆	5.470	.028	138.94	0.71										
552	5 ⁵ / ₈ x 5 ³ / ₄ x ¹ / ₁₆	5.595	.028	142.11	0.71										
553	5 ³ / ₄ x 5 ⁷ / ₈ x ¹ / ₁₆	5.720	.028	145.29	0.71										
554	5 ⁷ / ₈ x 6 x ¹ / ₁₆	5.845	.028	148.46	0.71										
555	6 x 6 ¹ / ₈ x ¹ / ₁₆	5.970	.028	151.64	0.71										
556	6 ¹ / ₈ x 6 ¹ / ₄ x ¹ / ₁₆	6.095	.028	154.81	0.71										
557	6 ¹ / ₄ x 6 ³ / ₈ x ¹ / ₁₆	6.220	.028	158.00	0.71										
558	6 ³ / ₈ x 6 ¹ / ₂ x ¹ / ₁₆	6.345	.028	161.16	0.71										
559	6 ¹ / ₂ x 6 ³ / ₄ x ¹ / ₁₆	6.470	.028	164.34	0.71										
560	6 ³ / ₄ x 6 ³ / ₄ x ¹ / ₁₆	6.595	.028	167.51	0.71										
561	6 ³ / ₄ x 6 ⁷ / ₈ x ¹ / ₁₆	6.720	.028	170.69	0.71										
562	6 ⁷ / ₈ x 7 x ¹ / ₁₆	6.845	.028	173.87	0.71										
102	¹ / ₁₆ x ¹ / ₄ x ³ / ₃₂	.049	.005	1.24	0.13					.250	.090	.076	.222	.236	.062
103	³ / ₃₂ x ⁹ / ₃₂ x ³ / ₃₂	.081	.005	2.06	0.13					.281	.121	.107	.253	.267	.093
104	¹ / ₈ x ³ / ₁₆ x ³ / ₃₂	.112	.005	2.84	0.13					.313	.153	.139	.285	.299	.125
105	³ / ₃₂ x ¹ / ₁₆ x ³ / ₃₂	.143	.005	3.63	0.13					.344	.184	.170	.316	.330	.156
106	³ / ₁₆ x ³ / ₈ x ³ / ₃₂	.174	.005	4.42	0.13					.375	.215	.201	.347	.361	.187
107	⁷ / ₁₆ x ¹ / ₂ x ³ / ₃₂	.205	.005	5.21	0.13					.406	.246	.232	.378	.392	.200

'O' Ring Size Chart and Design Data

Imperial Range - BS1806

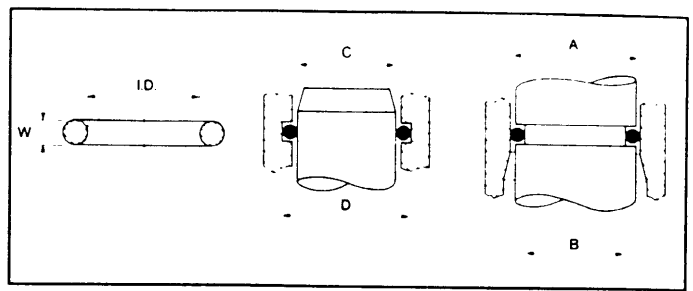


PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION				BORE		PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C			
		INCH	±	mm	±	INCH	±	mm	±	INCH	STAT	DYN	STAT	DYN					
															W		A	B	D
166	6 3/4 x 6 15/16 x 3/32	6.737	.040	171.12	1.02	.103	.003	2.62	0.08	6.937	6.777		6.910		6.750				
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 7/16 x 3/32	7.237	.045	183.82	1.14					7.437	7.277		7.410		7.250				
169	7 1/2 x 7 11/16 x 3/32	7.487	.045	190.17	1.14					7.687	7.527		7.660		7.500				
170	7 3/4 x 7 15/16 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 11/16 x 3/32	8.487	.050	215.57	1.27					8.687	8.527		8.660		8.500				
174	8 3/4 x 8 15/16 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					9.437	9.277		9.410		9.250				
177	9 1/2 x 9 11/16 x 3/32	9.487	.055	240.97	1.40					9.687	9.527		9.660		9.500				
178	9 3/4 x 9 15/16 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					.139	.004	3.53	0.10	.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 11/16 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 13/16 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	11/16 x 15/16 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	13/16 x 1 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	15/16 x 1 3/16 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 5/16 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 3/8 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 7/16 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 5/16 x 1 9/16 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 11/16 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 13/16 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 11/16 x 1 5/16 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 13/16 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 5/16 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														

SECTION 1

'O' Ring Size Chart and Design Data

Imperial Range - BS1806

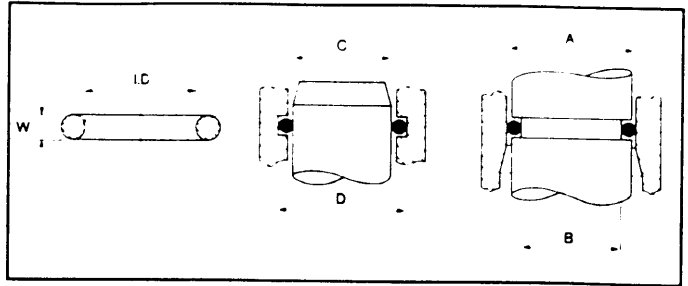


CTION 1

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

Imperial Range - BS1806

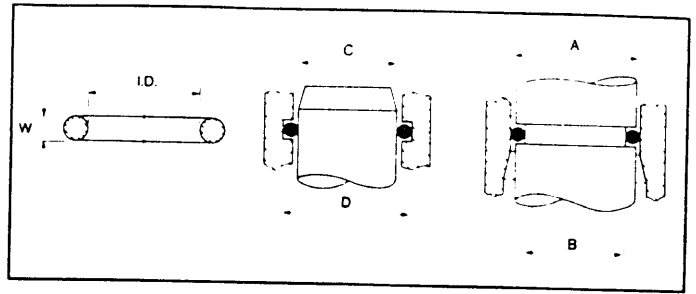


PART No.	NOMINAL SIZE C x A x W	INSIDE DIAMETER				CROSS SECTION W				BORE A		PISTON GROOVE DIA B		GLAND GROOVE DIA D		ROD DIA C
		INCH	±	mm	±	INCH	±	mm	±	INCH	STAT	DYN	STAT	DYN		
															mm	
270	9 x 9 1/4 x 1/8	8.984	.050	228.19	1.27	.139	.004	3.53	0.10	9.250	9.028		9.222		9.000	
271	9 1/4 x 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 1/8 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 1/8 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 3/8 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	

SECTION 1

'O' Ring Size Chart and Design Data

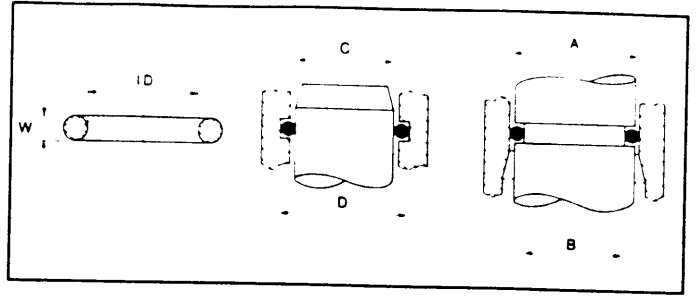
Imperial Range - BS1806



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	±	INCH	STAT	DYN	STAT	DYN		
342	3/8 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	3/4 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	3/8 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					4.500	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					4.625	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					4.750	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					4.875	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					5.000	4.650		4.975		4.625	
349	4 1/2 x 4 7/8 x 3/16	4.475	.030	113.67	0.76					5.125	4.775		5.100		4.750	
350	4 5/8 x 5 x 3/16	4.600	.030	116.84	0.76					5.250	4.900		5.225		4.875	
860	4 5/8 x 5 x 3/16	4.625	.015	117.48	0.38					5.375	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					5.875	5.525		5.850		5.500	
353	5 x 5 3/8 x 3/16	4.975	.037	126.37	0.94					6.000	5.650		5.975		5.625	
863	5 x 5 3/8 x 3/16	5.000	.023	127.00	0.58					6.125	5.775		6.100		5.750	
354	5 1/8 x 5 1/2 x 3/16	5.100	.037	129.54	0.95					6.250	5.900		6.225		5.875	
864	5 1/8 x 5 1/2 x 3/16	5.125	.023	130.18	0.58					6.375	6.025		6.350		6.000	
355	5 1/4 x 5 5/8 x 3/16	5.225	.037	132.72	0.94					6.500	6.150		6.475		6.125	
865	5 3/8 x 5 3/4 x 3/16	5.250	.023	133.35	0.58					6.625	6.275		6.600		6.250	
356	5 3/8 x 5 3/4 x 3/16	5.350	.037	135.89	0.94					6.750	6.400		6.725		6.375	
866	5 3/8 x 5 3/4 x 3/16	5.375	.023	136.53	0.58					6.875	6.525		6.850		6.500	
357	5 1/2 x 5 7/8 x 3/16	5.475	.037	139.07	0.94					7.125	6.775		7.100		6.750	
867	5 5/8 x 6 x 3/16	5.500	.023	139.70	0.58					7.250	6.900		7.225		6.875	
358	5 5/8 x 6 x 3/16	5.600	.037	142.24	0.94					7.375	7.025		7.350		7.000	
868	5 5/8 x 6 x 3/16	5.625	.023	142.88	0.58					7.500	7.150		7.475		7.125	
359	5 3/4 x 6 1/8 x 3/16	5.725	.037	145.42	0.94					7.625	7.275		7.600		7.250	
869	5 3/4 x 6 1/8 x 3/16	5.750	.023	146.05	0.58					7.750	7.400		7.725		7.375	
360	5 7/8 x 6 1/4 x 3/16	5.850	.037	148.49	0.94					7.875	7.525		7.850		7.500	
870	5 7/8 x 6 1/4 x 3/16	5.875	.023	149.23	0.58					8.125	7.775		8.100		7.750	
361	6 x 6 3/8 x 3/16	5.975	.037	151.77	0.94					8.375	8.025		8.350		8.000	
644	6 1/8 x 6 1/2 x 3/16	6.100	.023	155.00	0.58					8.625	8.275		8.600		8.250	
362	6 1/4 x 6 5/8 x 3/16	6.225	.040	158.12	1.02	8.875	8.525		8.850		8.500					
645	6 3/8 x 6 3/4 x 3/16	6.350	.023	161.30	0.58	9.125	8.775		9.100		8.750					
363	6 1/2 x 6 7/8 x 3/16	6.475	.040	164.47	1.02	9.375	9.025		9.350		9.000					
646	6 5/8 x 7 x 3/16	6.600	.023	167.70	0.58	9.625	9.275		9.600		9.250					
364	6 3/4 x 7 1/8 x 3/16	6.725	.040	170.82	1.02	9.875	9.525		9.850		9.500					
647	6 7/8 x 7 1/4 x 3/16	6.850	.023	174.00	0.58	10.125	9.775		10.100		9.750					
365	7 x 7 3/8 x 3/16	6.975	.040	177.17	1.02	10.375	10.025		10.350		10.000					
366	7 1/4 x 7 5/8 x 3/16	7.225	.045	183.52	1.14	10.625	10.275		10.600		10.250					
367	7 1/2 x 7 7/8 x 3/16	7.475	.045	189.87	1.14	10.875	10.525		10.850		10.500					
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

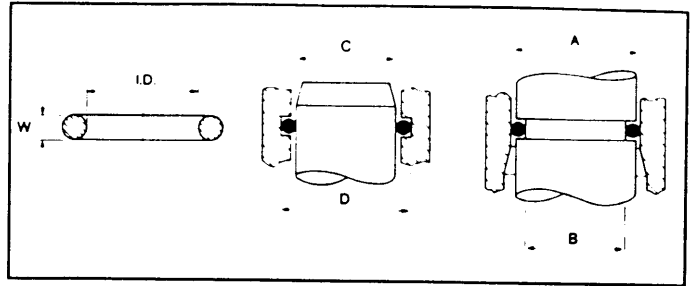


PART	NOMINAL	INSIDE DIAMETER	CROSS SECTION	PART	SYSTEM
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SECTION 1

'O' Ring Size Chart and Design Data

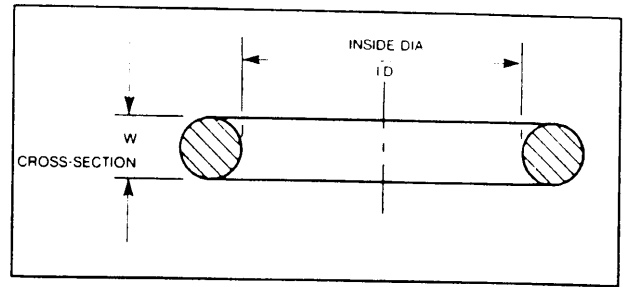
Imperial Range - BS1806



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	
676	8 3/4 x 9 1/4 x 1/4	8.725	.030	221.62	0.76	.275	.006	6.99	0.15	9.500	9.044	9.032	9.456	9.468	9.000
447	9 x 9 1/2 x 1/4	8.975	.055	227.97	1.40					9.500	9.044	9.032	9.456	9.468	9.000
678	9 1/4 x 9 3/4 x 1/4	9.225	.030	234.32	0.76					10.000	9.544	9.532	9.956	9.968	9.500
448	9 1/2 x 10 x 1/4	9.475	.055	240.67	1.40					10.500	10.044	10.032	10.456	10.468	10.000
680	9 3/4 x 10 1/4 x 1/4	9.725	.030	247.00	0.76					11.000	10.544	10.532	10.956	10.968	10.500
449	10 x 10 1/2 x 1/4	9.975	.055	253.37	1.40										
682	10 1/4 x 10 3/4 x 1/4	10.225	.030	259.70	0.76										
450	10 1/2 x 11 x 1/4	10.475	.060	266.07	1.52					11.500	11.044	11.032	11.456	11.468	11.000
684	10 3/4 x 11 1/4 x 1/4	10.725	.030	272.40	0.76										
451	11 x 11 1/2 x 1/4	10.975	.060	278.77	1.52										
686	11 1/4 x 11 3/4 x 1/4	11.225	.030	285.10	0.76					12.000	11.544	11.532	11.956	11.968	11.500
452	11 1/2 x 12 x 1/4	11.475	.060	291.47	1.52										
688	11 3/4 x 12 1/4 x 1/4	11.725	.030	297.80	0.76										
453	12 x 12 1/2 x 1/4	11.975	.060	304.17	1.52					12.500	12.044	12.032	12.456	12.468	12.000
648	12 1/4 x 12 3/4 x 1/4	12.225	.030	310.50	0.76										
454	12 1/2 x 13 x 1/4	12.475	.060	316.87	1.52										
649	12 3/4 x 13 1/4 x 1/4	12.725	.030	323.20	0.76					13.000	12.544	12.532	12.956	12.968	12.500
455	13 x 13 1/2 x 1/4	12.975	.060	329.57	1.52										
650	13 1/4 x 13 3/4 x 1/4	13.225	.030	335.90	0.76										
456	13 1/2 x 14 x 1/4	13.475	.070	342.27	1.78					14.000	13.544	13.532	13.956	13.968	13.500
457	14 x 14 1/2 x 1/4	13.975	.070	354.97	1.78										
458	14 1/2 x 15 x 1/4	14.475	.070	367.67	1.78										
459	15 x 15 1/2 x 1/4	14.975	.070	380.37	1.78					15.000	14.544	14.352	14.956	14.968	14.500
460	15 1/2 x 16 x 1/4	15.475	.070	393.07	1.78										
461	16 x 16 1/2 x 1/4	15.955	.075	405.26	1.90										
462	16 1/2 x 17 x 1/4	16.455	.075	417.96	1.90					16.500	16.044		16.456		16.000
463	17 x 17 1/2 x 1/4	16.955	.080	430.66	2.05										
464	17 1/2 x 18 x 1/4	17.455	.085	443.36	2.15										
465	18 x 18 1/2 x 1/4	17.955	.085	456.06	2.15	18.000	17.544		17.956		17.500				
466	18 1/2 x 19 x 1/4	18.455	.085	468.76	2.15										
467	19 x 19 1/2 x 1/4	18.955	.090	481.46	2.25										
468	19 1/2 x 20 x 1/4	19.455	.090	494.16	2.25	19.500	19.044		19.456		19.000				
469	20 x 20 1/2 x 1/4	19.955	.090	506.86	2.25										
470	21 x 21 1/2 x 1/4	20.955	.090	532.26	2.25										
471	22 x 22 1/2 x 1/4	21.955	.100	557.66	2.55	20.000	20.044		20.044		20.000				
472	23 x 23 1/2 x 1/4	22.940	.105	582.68	2.65										
473	24 x 24 1/2 x 1/4	23.940	.110	608.08	2.80										
474	25 x 25 1/2 x 1/4	24.940	.115	633.48	2.90	21.500	21.044		21.456		21.000				
475	26 x 26 1/2 x 1/4	25.940	.120	658.88	3.05										
												22.500	22.044		22.456
						23.500	23.044		23.456		23.000				
						24.500	24.044		24.456		24.000				
						25.500	25.044		25.456		25.000				
						26.500	26.044		26.456		26.000				

Standard Metric 'O' Ring range

Sizes to BS 4518



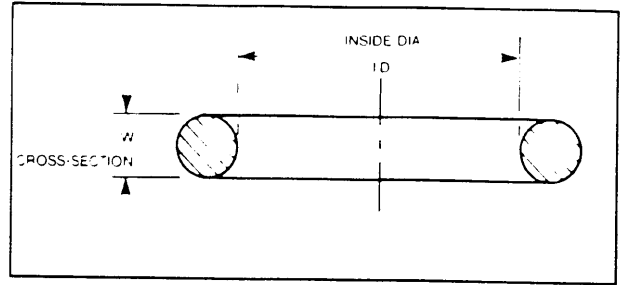
SECTION 3

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			
0111-16	11.1	0.20		
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			
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			
0116-24	11.6	0.20		
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	0.40			
0516-24	51.6				
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				0.3
0315-30	31.5				
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



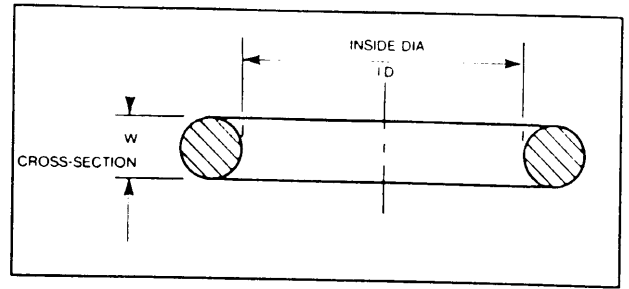
PART No.	INTERNAL DIA		CROSS SECTION	
	ID	±	W	±
0445-30	44.5	0.4	3.0	0.1
0495-30	49.5			
0595-30	59.5			
0645-30	64.5			
0695-30	69.5			
0745-30	74.5			
0795-30	79.5			
0845-30	84.5			
0895-30	89.5	0.5		
0945-30	94.5			
0995-30	99.5			
1045-30	104.5			
1095-30	109.5			
1145-30	114.5			
1195-30	119.5			
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			
0843-57	84.3	0.5		
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			
1243-57	124.3	0.6		
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	1.0		
2593-57	259.3			
2693-57	269.3			
2793-57	279.3			

SECTION 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			
1841-84	184.1	0.8		
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			