

IMPERIAL RANGE

ISO360 (BS1806) ‘O’ RING SIZE CHART

Part No.	Nominal Size C x A x W	Inside Diameter				Cross Section				Bore Ø A	Piston Groove Ø B		Gland Groove Ø D		Rod Ø C			
		INCH	±	mm	±	INCH	±	mm	±		INCH	STAT	DYN	STAT		DYN		
*001	½ ³² X ¾ ³² X ½ ³²	.029		0.74		.040		1.02		.094	.036		.089		.031			
*002	¾ ⁶⁴ X ¾ ⁶⁴ X ¾ ⁶⁴	.042	± .004	1.07	± 0.10	.050		1.27		.125	.053		.119		.047			
003	⅛ X ⅜ ¹⁶ X ⅛ ¹⁶	.056		1.42			.060		1.52		.156	.068		.150		.062		
606		.070		1.78			.040		1.02									
*004	⅝ ⁶⁴ X 1⅜ ⁶⁴ X ⅛ ¹⁶	.070		1.78		.070		1.78		.188	.084		.182		.078			
607		.100		2.54		.040		1.02										
*005	⅞ ⁶⁴ X 1⅝ ⁶⁴ X ⅛ ¹⁶	.101		2.57		.070	± .003	1.78	± 0.08	.219	.117	.107	.211	.221	.109			
*006	⅛ X ¼ X ⅛ ¹⁶	.114		2.90						.250	.148	.138	.227	.237	.125			
801		.125		3.17														
*007	⅝ ³² X ⅝ ³² X ⅛ ¹⁶	.145		3.68						.281	.179	.169	.258	.268	.156			
*008	⅜ ¹⁶ X ⅝ ¹⁶ X ⅛ ¹⁶	.176	± .005	4.47	± 0.13					.312	.210	.200	.289	.299	.187			
802		.187		4.76														
*009	⅞ ³² X 1⅝ ³² X ⅛ ¹⁶	.208								5.28		.344	.241	.231	.321	.331	.219	
*010	¼ X ⅜ X ⅛ ¹⁶	.239		6.07						.375	.273	.263	.352	.362	.250			
803		.250		6.35														
610		.266		6.75														
*011	⅝ ¹⁶ X ⅞ ¹⁶ X ⅛ ¹⁶	.301		7.65						.437	.335	.325	.414	.424	.312			
804		.312		7.94														
611	1⅝ ³² X 1⅝ ³² X ⅛ ¹⁶	.344		8.73														
*012	⅜ X ½ X ⅛ ¹⁶	.364		9.25						.500	.398	.388	.477	.487	.375			
013	⅞ ¹⁶ X ⅝ ¹⁶ X ⅛ ¹⁶	.426		10.82						.562	.462		.537		.437			
806		.437	± .005	11.11	± 0.13													
014	½ X ⅝ X ⅛ ¹⁶	.489	± .005	12.42	± 0.13								.625	.525		.600		.500
015	⅝ ¹⁶ X 1⅝ ¹⁶ X ⅛ ¹⁶	.551	± .007	14.00	± 0.18								.687	.587		.662		.562
016	⅝ X ¾ X ⅛ ¹⁶	.614		15.60									.750	.650		.725		.625
017	1⅝ ¹⁶ X 1⅝ ¹⁶ X ⅛ ¹⁶	.676		17.17									.812	.712		.787		.687
018	¾ X ⅞ X ⅛ ¹⁶	.739	± .009	18.77	± 0.23								.875	.775		.850		.750
019	1⅜ ¹⁶ X 1⅝ ¹⁶ X ⅛ ¹⁶	.801		20.35							.937	.837		.912		.812		
020	⅞ X 1 X ⅛ ¹⁶	.864		21.95							1.000	.900		.975		.875		
021	1⅝ ¹⁶ X 1 ⅛ ¹⁶ X ⅛ ¹⁶	.926		23.52						1.062	.962		1.062	.962		1.037		.937
022	1 X 1 ⅛ X ⅛ ¹⁶	.989	± .010	25.12	± 0.25								1.125	1.025		1.100		1.000
023	1 ⅛ ¹⁶ X 1 ⅜ ¹⁶ X ⅛ ¹⁶	1.051	± .010	26.70	± 0.25								1.188	1.088		1.162		1.062
024	1 ⅛ X 1 ¼ X ⅛ ¹⁶	1.114	± .010	28.30	± 0.25								1.250	1.150		1.225		1.125
025	1 ⅜ ¹⁶ X 1 ⅝ ¹⁶ X ⅛ ¹⁶	1.176	± .011	29.87	± 0.28								1.312	1.212		1.288		1.188
026	1 ¼ X 1 ⅜ X ⅛ ¹⁶	1.239	± .011	31.47	± 0.28								1.375	1.275		1.350		1.250
027	1 ⅝ ¹⁶ X 1 ⅞ ¹⁶ X ⅛ ¹⁶	1.301	± .011	33.05	± 0.28								1.437	1.337		1.412		1.312
028	1 ⅜ X 1 ½ X ⅛ ¹⁶	1.364	± .013	34.65	± 0.33								1.500	1.400		1.475		1.375
517	1 ⅞ ¹⁶ X 1 ⅝ ¹⁶ X ⅛ ¹⁶	1.428	± .015	36.27	± 0.38													
029	1 ½ X 1 ⅝ X ⅛ ¹⁶	1.489	± .010	37.82	± 0.33								1.625	1.525		1.600		1.500
519	1 ⅝ ¹⁶ X 1 1⅝ ¹⁶ X ⅛ ¹⁶	1.553	± .015	39.45	± 0.38													
030	1 ⅝ X 1 ¾ X ⅛ ¹⁶	1.614	± .013	41.00	± 0.33								1.750	1.650		1.725		1.625
031	1 ¾ X 1 ⅞ X ⅛ ¹⁶	1.739	± .015	44.17	± 0.38								1.875	1.775		1.850		1.750
032	1 ⅞ X 2 X ⅛ ¹⁶	1.864	± .015	47.35	± 0.38								2.000	1.900		1.975		1.875
033	2 X 2 ⅝ X ⅛ ¹⁶	1.989	± .018	50.52	± 0.46								2.125	2.025		2.100		2.000
034	2 ⅛ X 2 ¼ X ⅛ ¹⁶	2.114	± .018	53.70	± 0.46								2.250	2.150		2.225		2.125
035	2 ¼ X 2 ⅜ X ⅛ ¹⁶	2.239	± .018	56.87	± 0.46								2.375	2.275		2.350		2.250
036	2 ⅝ X 2 ½ X ⅛ ¹⁶	2.364	± .018	60.05	± 0.46								2.500	2.400		2.475		2.375
037	2 ½ X 2 ⅝ X ⅛ ¹⁶	2.489	± .018	63.22	± 0.46								2.625	2.525		2.600		2.500
038	2 ⅝ X 2 ¾ X ⅛ ¹⁶	2.614	± .020	66.40	± 0.51								2.750	2.650		2.725		2.625
039	2 ¾ X 2 ⅞ X ⅛ ¹⁶	2.739	± .020	69.57	± 0.51								2.875	2.775		2.850		2.750
040	2 ⅞ X 3 X ⅛ ¹⁶	2.864	± .020	72.75	± 0.51								3.000	2.900		2.975		2.875
041	3 X 3 ⅛ X ⅛ ¹⁶	2.989	± .024	75.92	± 0.61								3.125	3.025		3.100		3.000
532	3 ⅛ X 3 ¼ X ⅛ ¹⁶	3.110	± .020	79.00	± 0.51													
042	3 ¾ X 3 ⅝ X ⅛ ¹⁶	3.239	± .024	82.27	± 0.61								3.375	3.275		3.350		3.250
534	3 ⅝ X 3 ½ X ⅛ ¹⁶	3.360	± .020	85.34	± 0.51													
043	3 ½ X 3 ⅝ X ⅛ ¹⁶	3.489	± .024	88.62	± 0.61								3.625	3.525		3.600		3.500
536	3 ⅝ X 3 ¾ X ⅛ ¹⁶	3.610	± .020	91.70	± 0.51													
044	3 ¾ X 3 ⅞ X ⅛ ¹⁶	3.739	± .027	94.97	± 0.69								3.875	3.775		3.850		3.750
538	3 ⅞ X 4 X ⅛ ¹⁶	3.860	± .020	98.05	± 0.51													
045	4 X 4 ⅛ X ⅛ ¹⁶	3.989	± .027	101.32	± 0.69								4.125	4.025		4.100		
540	4 ⅛ X 4 ¼ X ⅛ ¹⁶	4.110	± .020	104.40	± 0.51													
046	4 ¼ X 4 ⅜ X ⅛ ¹⁶	4.239	± .030	107.67	± 0.76								4.375	4.275		4.350		4.250
542	4 ⅜ X 4 ½ X ⅛ ¹⁶	4.360	± .020	110.74	± 0.51													
047	4 ½ X 4 ⅝ X ⅛ ¹⁶	4.489	± .030	114.02	± 0.76	.070	± .003	1.78	± 0.08	4.625	4.525		4.600		4.500			
544	4 ⅝ X 4 ¾ X ⅛ ¹⁶	4.610	± .020	117.10	± 0.51													
048	4 ¾ X 4 ⅞ X ⅛ ¹⁶	4.739	± .030	120.37	± 0.76				4.875	4.775		4.850		4.750				
546	4 ⅞ X 5 X ⅛ ¹⁶	4.860	± .020	123.44	± 0.51													
049	5 X 5 ⅛ X ⅛ ¹⁶	4.989	± .037	126.72	± 0.94													
548	5 ⅛ X 5 ¼ X ⅛ ¹⁶	5.095	± .028	129.40	± 0.71				5.125	5.025		5.100		5.000				
050	5 ¼ X 5 ⅝ X ⅛ ¹⁶	5.239	± .037	133.07	± 0.94													
550	5 ⅝ X 5 ½ X ⅛ ¹⁶	5.345	± .028	135.76	± 0.71				5.375	5.275		5.350		5.250				
551	5 ½ X 5 ⅝ X ⅛ ¹⁶	5.470	± .028	138.94	± 0.71													
552	5 ⅝ X 5 ¾ X ⅛ ¹⁶	5.595	± .028	142.11	± 0.71													
553	5 ¾ X 5 ⅞ X ⅛ ¹⁶	5.720	± .028	145.29	± 0.71													
554	5 ⅞ X 6 X ⅛ ¹⁶	5.845	± .028	148.46	± 0.71													
555	6 X 6 ⅛ X ⅛ ¹⁶	5.970	± .028	151.64	± 0.71													
556	6 ⅛ X 6 ¼ X ⅛ ¹⁶	6.095	± .028	154.81	± 0.71													
557	6 ¼ X 6 ⅝ X ⅛ ¹⁶	6.220	± .028	158.00	± 0.71													
558	6 ⅝ X 6 ½ X ⅛ ¹⁶	6.345	± .028	161.16	± 0.71													
559	6 ½ X 6 ⅝ X ⅛ ¹⁶	6.470	± .028	164.34	± 0.71													
560	6 ⅝ X 6 ¾ X ⅛ ¹⁶	6.595	± .028	167.51	± 0.71													
561	6 ¾ X 6 ⅞ X ⅛ ¹⁶	6.720	± .028	170.69	± 0.71													
562	6 ⅞ X 7 X ⅛ ¹⁶	6.845	± .028	173.87	± 0.71													
102	⅛ ¹⁶ X ¼ X ⅝ ³²	.049	± .005	1.24	± 0.13					.250	.090	.076	.222	.236	.062			
103	⅝ ³² X ⅝ ³² X ⅝ ³²	.081	± .005	2.06	± 0.13					.281	.121	.107	.253	.267	.093			
104	⅛ X ⅝ ¹⁶ X ⅝ ³²	.112	± .005	2.84	± 0.13					.313	.153	.13						

IMPERIAL RANGE

ISO360 (BS1806) 'O' RING SIZE CHART

Part No.	Nominal Size C x A x W	Inside Diameter				Cross Section				Bore Ø A	Piston Groove Ø B		Gland Groove Ø D		Rod Ø C								
		INCH	±	mm	±	INCH	±	mm	±	INCH	STAT	DYN	STAT	DYN									
*111	7/16 X 5/8 X 3/32	.424	± .005	10.77	± 0.13	.103	± .003	2.62	± 0.08	.625	.465	.451	.597	.611	.437								
614	19/32 X 21/32 X 3/32	.469	± .005	11.91	± 0.13																		
*112	1/2 X 11/16 X 3/32	.487	± .005	12.37	± 0.13									.687	.527	.513	.660	.674	.500				
807		.500	± .005	12.70	± 0.13																		
615	39/64 X 45/64 X 3/32	.516	± .005	13.10	± 0.13																		
*113	9/16 X 3/4 X 3/32	.549	± .007	13.94	± 0.18									.750	.590	.576	.722	.736	.562				
616	19/32 X 25/32 X 3/32	.594	± .005	15.08	± 0.13																		
*114	5/8 X 13/16 X 3/32	.612	± .009	15.54	± 0.23									.812	.652	.638	.785	.799	.625				
809		.625	± .005	15.88	± 0.13																		
*115	11/16 X 7/8 X 3/32	.674	± .009	17.12	± 0.23									.875	.715	.701	.848	.862	.688				
810		.687	± .005	17.46	± 0.13																		
617		.703	± .005	17.86	± 0.13																		
*116	3/4 X 15/16 X 3/32	.737	± .009	18.72	± 0.23									.937	.777	.763	.910	.924	.755				
117	13/16 X 1 X 3/32	.799	± .010	20.29	± 0.25									1.000	.840		.972		.812				
812		.812	± .006	20.64	± 0.15																		
118	7/8 X 1 1/16 X 3/32	.862	± .010	21.89	± 0.25									1.062	.902		1.035		.875				
813		.875	± .006	22.23	± 0.15																		
119	15/16 X 1 1/8 X 3/32	.924	± .010	23.47	± 0.25									1.125	.965		1.097		.937				
814		.937	± .006	23.81	± 0.15																		
120	1 X 1 3/16 X 3/32	.987	± .010	25.07	± 0.25									1.187	1.027		1.160		1.000				
121	1 1/16 X 1 1/4 X 3/32	1.049	± .010	26.64	± 0.25									1.250	1.090		1.222		1.062				
122	1 1/8 X 1 5/16 X 3/32	1.112	± .010	28.24	± 0.25									1.312	1.152		1.285		1.125				
123	1 3/16 X 1 3/8 X 3/32	1.174	± .012	29.82	± 0.30									1.375	1.215		1.348		1.188				
124	1 1/4 X 1 7/16 X 3/32	1.237	± .012	31.42	± 0.30									1.437	1.277		1.410		1.250				
125	1 5/16 X 1 1/2 X 3/32	1.299	± .012	32.99	± 0.30									1.500	1.340		1.472		1.312				
126	1 3/8 X 1 9/16 X 3/32	1.362	± .012	34.59	± 0.30									1.562	1.402		1.535		1.375				
127	1 7/16 X 1 5/8 X 3/32	1.424	± .012	36.17	± 0.30									1.625	1.465		1.597		1.437				
128	1 1/2 X 1 11/16 X 3/32	1.487	± .012	37.77	± 0.30									1.687	1.527		1.660		1.500				
129	1 9/16 X 1 3/4 X 3/32	1.549	± .015	39.34	± 0.38									1.750	1.590		1.722		1.562				
130	1 5/8 X 1 13/16 X 3/32	1.612	± .015	40.94	± 0.38									1.812	1.652		1.785		1.625				
131	1 11/16 X 1 7/8 X 3/32	1.674	± .015	42.52	± 0.38									1.875	1.715		1.848		1.688				
132	1 3/4 X 1 15/16 X 3/32	1.737	± .015	44.12	± 0.38									1.937	1.777		1.910		1.750				
133	1 13/16 X 2 X 3/32	1.799	± .015	45.69	± 0.38									2.000	1.840		1.972		1.812				
134	1 7/8 X 2 1/16 X 3/32	1.862	± .017	47.29	± 0.43									2.062	1.902		2.035		1.875				
135	1 15/16 X 2 1/8 X 3/32	1.925	± .017	48.90	± 0.43									2.125	1.965		2.097		1.937				
136	2 X 2 3/16 X 3/32	1.987	± .017	50.47	± 0.43									2.187	2.027		2.160		2.000				
137	2 1/16 X 2 1/4 X 3/32	2.050	± .017	52.07	± 0.43									2.250	2.090		2.222		2.062				
138	2 1/8 X 2 5/16 X 3/32	2.112	± .017	53.64	± 0.43									2.312	2.152		2.285		2.125				
139	2 3/16 X 2 3/8 X 3/32	2.175	± .017	55.25	± 0.43									2.375	2.215		2.348		2.188				
140	2 1/4 X 2 7/16 X 3/32	2.237	± .017	56.82	± 0.43									2.437	2.277		2.410		2.250				
141	2 5/16 X 2 1/2 X 3/32	2.300	± .020	58.42	± 0.51									2.500	2.340		2.472		2.312				
142	2 3/8 X 2 9/16 X 3/32	2.362	± .020	59.99	± 0.51									2.562	2.402		2.535		2.375				
143	2 7/16 X 2 5/8 X 3/32	2.425	± .020	61.60	± 0.51									2.625	2.465		2.597		2.437				
144	2 1/2 X 2 11/16 X 3/32	2.487	± .020	63.17	± 0.51									2.687	2.527		2.660		2.500				
145	2 9/16 X 2 3/4 X 3/32	2.550	± .020	64.77	± 0.51									2.750	2.590		2.722		2.562				
146	2 5/8 X 2 15/16 X 3/32	2.612	± .020	66.34	± 0.51									2.812	2.652		2.785		2.625				
147	2 11/16 X 2 7/8 X 3/32	2.675	± .022	67.95	± 0.56									2.875	2.715		2.848		2.688				
148	2 3/4 X 2 15/16 X 3/32	2.737	± .022	69.52	± 0.56									2.937	2.777		2.910		2.750				
149	2 13/16 X 3 X 3/32	2.800	± .022	71.12	± 0.56									3.000	2.840		2.972		2.812				
150	2 7/8 X 3 1/16 X 3/32	2.862	± .022	72.69	± 0.56									3.062	2.902		3.035		2.875				
640	2 15/16 X 3 1/8 X 3/32	2.924	± .015	74.30	± 0.38																		
151	3 X 3 3/16 X 3/32	2.987	± .024	75.87	± 0.61									3.187	3.027		3.160		3.000				
641	3 1/16 X 3 1/4 X 3/32	3.049	± .015	77.50	± 0.38																		
642	3 3/16 X 3 3/8 X 3/32	3.174	± .015	80.60	± 0.38																		
152	3 1/4 X 3 7/16 X 3/32	3.237	± .024	82.22	± 0.61									3.437	3.277		3.410		3.250				
643	3 5/16 X 3 1/2 X 3/32	3.299	± .015	83.80	± 0.38																		
153	3 1/2 X 3 11/16 X 3/32	3.487	± .024	88.57	± 0.61									3.687	3.527		3.660		3.500				
154	3 3/4 X 3 15/16 X 3/32	3.737	± .028	94.92	± 0.71									3.937	3.777		3.910		3.750				
155	4 X 4 3/16 X 3/32	3.987	± .028	101.27	± 0.71									4.187	4.027		4.160		4.000				
156	4 1/4 X 4 7/16 X 3/32	4.237	± .030	107.62	± 0.76									4.437	4.277		4.410		4.250				
157	4 1/2 X 4 11/16 X 3/32	4.487	± .030	113.97	± 0.76									4.687	4.527		4.660		4.500				
158	4 3/4 X 4 15/16 X 3/32	4.737	± .030	120.32	± 0.76									4.937	4.777		4.910		4.750				
159	5 X 5 3/16 X 3/32	4.987	± .035	126.67	± 0.89									5.187	5.027		5.160		5.000				
160	5 1/4 X 5 7/16 X 3/32	5.237	± .035	133.02	± 0.89									5.437	5.277		5.410		5.250				
161	5 1/2 X 5 11/16 X 3/32	5.487	± .035	139.37	± 0.89									5.687	5.527		5.660		5.500				
162	5 3/4 X 5 15/16 X 3/32	5.737	± .035	145.72	± 0.89									5.937	5.777		5.910		5.750				
163	6 X 6 3/16 X 3/32	5.987	± .035	152.07	± 0.89					.103	± .003	2.62	± 0.08	6.187	6.027		6.160		6.000				
164	6 1/4 X 6 7/16 X 3/32	6.237	± .040	158.42	± 1.02									6.437	6.277		6.410		6.250				
165	6 1/2 X 6 11/16 X 3/32	6.487	± .040	164.77	± 1.02									6.687	6.527		6.660		6.500				
166	6 3/4 X 6 15/16 X 3/32	6.737	± .040	171.12	± 1.02									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																							

Only sizes marked * are suitable for dynamic applications

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IMPERIAL RANGE

ISO360 (BS1806) ‘O’ RING SIZE CHART

Part No.	Nominal Size C x A x W	Inside Diameter				Cross Section				Bore Ø A	Piston Groove Ø B		Gland Groove Ø D		Rod Ø C
		INCH	±	mm	±	INCH	±	mm	±		INCH	STAT	DYN	STAT	
*212	7⁄8 x 1 1⁄8 x 1⁄8	.859	± .010	21.82	± 0.25	.139	± .004	3.53	± 0.10	1.125	.903	.887	1.097	1.113	.875
*213	15⁄16 x 1 3⁄8 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 1⁄8 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 3⁄8 x 1 7⁄8 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 3⁄8 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 7⁄8 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	39.70	± 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 15⁄16 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 1⁄8 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 15⁄16 x 2 3⁄8 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 1⁄8 x 2 5⁄8 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 3⁄8 x 2 7⁄8 x 1⁄8	2.187	± .010	55.56	± 0.25										
228	2 1⁄4 x 2 1⁄2 x 1⁄8	2.234	± .020	56.74	± 0.51					2.500	2.278		2.472		2.250
835		2.250	± .010	57.15	± 0.25										
836	2 5⁄8 x 2 9⁄8 x 1⁄8	2.312	± .010	58.74	± 0.25										
229	2 3⁄8 x 2 5⁄8 x 1⁄8	2.359	± .020	59.92	± 0.51					2.625	2.403		2.597		2.375
837		2.375	± .010	60.32	± 0.25										
838	2 7⁄8 x 2 11⁄8 x 1⁄8	2.437	± .010	61.90	± 0.25										
230	2 1⁄2 x 2 3⁄4 x 1⁄8	2.484	± .020	63.09	± 0.51					2.750	2.528		2.722		2.500
839		2.500	± .010	63.50	± 0.25										
840	2 9⁄8 x 2 13⁄8 x 1⁄8	2.563	± .010	65.10	± 0.25										
231	2 5⁄8 x 2 7⁄8 x 1⁄8	2.609	± .020	66.27	± 0.51					2.875	2.653		2.847		2.625
841		2.625	± .015	66.67	± 0.38										
842	2 11⁄8 x 2 15⁄8 x 1⁄8	2.687	± .015	68.28	± 0.38										
232	2 3⁄4 x 3 x 1⁄8	2.734	± .024	69.44	± 0.61					3.000	2.778		2.972		2.750
843		2.750	± .015	69.85	± 0.38										
844		2.812	± .015	71.44	± 0.38										
233	2 7⁄8 x 3 1⁄8 x 1⁄8	2.859	± .024	72.62	± 0.61					3.125	2.903		3.097		2.875
845		2.875	± .015	73.02	± 0.38										
846	2 15⁄8 x 3 3⁄8 x 1⁄8	2.937	± .015	74.60	± 0.38										
234	3 x 3 1⁄4 x 1⁄8	2.984	± .024	75.79	± 0.61					3.250	3.028		3.222		3.000
235	3 1⁄8 x 3 3⁄8 x 1⁄8	3.109	± .024	78.97	± 0.61					3.375	3.153		3.347		3.125
236	3 1⁄4 x 3 1⁄2 x 1⁄8	3.234	± .024	82.14	± 0.61					3.500	3.278		3.472		3.250
237	3 3⁄8 x 3 5⁄8 x 1⁄8	3.359	± .024	85.32	± 0.61					3.625	3.403		3.597		3.375
238	3 1⁄2 x 3 3⁄4 x 1⁄8	3.484	± .024	88.49	± 0.61					3.750	3.528		3.722		3.500
239	3 5⁄8 x 3 7⁄8 x 1⁄8	3.609	± .028	91.67	± 0.71					3.875	3.653		3.847		3.625
240	3 3⁄4 x 4 x 1⁄8	3.734	± .028	94.84	± 0.71					4.000	3.778		3.972		3.750
241	3 7⁄8 x 4 1⁄8 x 1⁄8	3.859	± .028	98.02	± 0.71					4.125	3.903		4.097		3.875
242	4 x 4 1⁄4 x 1⁄8	3.984	± .028	101.19	± 0.71					4.250	4.028		4.222		4.000
243	4 1⁄8 x 4 3⁄8 x 1⁄8	4.109	± .028	104.37	± 0.71					4.375	4.153		4.347		4.125
244	4 1⁄4 x 4 1⁄2 x 1⁄8	4.234	± .030	107.54	± 0.76					4.500	4.278		4.472		4.250
245	4 3⁄8 x 4 5⁄8 x 1⁄8	4.359	± .030	110.72	± 0.76					4.625	4.403		4.597		4.375
246	4 1⁄2 x 4 3⁄4 x 1⁄8	4.484	± .030	113.89	± 0.76					4.750	4.528		4.722		4.500
247	4 5⁄8 x 4 7⁄8 x 1⁄8	4.609	± .030	117.07	± 0.76					4.875	4.653		4.847		4.625
248	4 3⁄4 x 5 x 1⁄8	4.734	± .030	120.24	± 0.76					5.000	4.778		4.972		4.750
249	4 7⁄8 x 5 1⁄8 x 1⁄8	4.859	± .035	123.42	± 0.89					5.125	4.903		5.097		4.875
250	5 x 5 1⁄4 x 1⁄8	4.984	± .035	126.59	± 0.89					5.250	5.028		5.222		5.000
251	5 1⁄8 x 5 3⁄8 x 1⁄8	5.109	± .035	129.77	± 0.89					5.375	5.153		5.347		5.125
252	5 1⁄4 x 5 1⁄2 x 1⁄8	5.234	± .035	132.94	± 0.89					5.500	5.278		5.472		5.250
253	5 3⁄8 x 5 5⁄8 x 1⁄8	5.359	± .035	136.12	± 0.89					5.625	5.403		5.597		5.375
254	5 1⁄2 x 5 3⁄4 x 1⁄8	5.484	± .035	139.29	± 0.89					5.750	5.528		5.722		5.500
255	5 5⁄8 x 5 7⁄8 x 1⁄8	5.609	± .035	142.47	± 0.89					5.875	5.653		5.847		5.625
256	5 3⁄4 x 6 x 1⁄8	5.734	± .035	145.64	± 0.89					6.000	5.778		5.972		5.750
257	5 7⁄8 x 6 1⁄8 x 1⁄8	5.859	± .035	148.82	± 0.89					6.125	5.903		6.097		5.875
258	6 x 6 1⁄4 x 1⁄8	5.984	± .035	151.99	± 0.89					6.250	6.028		6.222		6.000
259	6 1⁄4 x 6 1⁄2 x 1⁄8	5.234	± .040	158.34	± 1.02					6.500	6.278		6.472		6.250
260	6 1⁄2 x 6 3⁄4 x 1⁄8	6.484	± .040	164.69	± 1.02					6.750	6.528		6.722		6.500
261	6 3⁄4 x 7 x 1⁄8	6.734	± .040	171.04	± 1.02					7.000	6.778		6.972		6.750
262	7 x 7 1⁄4 x 1⁄8	6.984	± .040	177.39	± 1.02					7.250	7.028		7.222		7.000
263	7 1⁄4 x 7 1⁄2 x 1⁄8	7.234	± .045	183.74	± 1.14					7.500	7.278		7.472		7.250
264	7 1⁄2 x 7 3⁄4 x 1⁄8	7.484	± .045	190.09	± 1.14	7.750	7.528		7.722		7.500				
265	7 3⁄4 x 8 x 1⁄8	7.734	± .045	196.44	± 1.14	8.000	7.778		7.972		7.750				
266	8 x 8 1⁄4 x 1⁄8	7.984	± .045	202.79	± 1.14	8.250	8.028		8.222		8.000				
267	8 1⁄4 x 8 1⁄2 x 1⁄8	8.234	± .050	209.14	± 1.27	8.500	8.278		8.472		8.250				
268	8 1⁄2 x 8 3⁄4 x 1⁄8	8.484	± .050	215.49	± 1.27	8.750	8.528		8.722		8.500				
269	8 3⁄4 x 9 x 1⁄8	8.734	± .050	221.84	± 1.27	9.000	8.778		8.972		8.750				
270	9 x 9 1⁄4 x 1⁄8	8.984	± .050	228.19	± 1.27	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						

IMPERIAL RANGE

ISO360 (BS1806) ‘O’ RING SIZE CHART

Part No.	Nominal Size C x A x W	Inside Diameter				Cross Section				Bore Ø A	Piston Groove Ø B		Gland Groove Ø D		Rod Ø C
		INCH	±	mm	±	INCH	±	mm	±		INCH	STAT	DYN	STAT	
281	15 x 15 ¼ x ½	14.984	± .065	380.59	± 1.65					15.250	15.028		15.222		15.000
282	16 x 16 ¼ x ½	15.955	± .075	405.26	± 1.90					16.250	16.028		16.222		16.000
283	17 x 17 ¼ x ½	16.955	± .080	430.66	± 2.16					17.250	17.028		17.222		17.000
284	18 x 18 ¼ x ½	17.955	± .085	456.06	± 2.42					18.250	18.028		18.222		18.000
309	7/16 x 1 13/16 x 3/16	.412	± .005	10.46	± 0.13	.210	± .005	5.33	± 0.13	.812	.462	.446	.787	.803	.437
310	½ x 7/8 x 3/16	.475	± .005	12.07	± 0.13					.875	.525	.509	.850	.866	.500
311	9/16 x 1 15/16 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	11/16 x 1 1/16 x 3/16	.662	± .009	16.81	± 0.23					1.062	.712	.696	1.037	1.053	.687
314	¾ x 1 1/8 x 3/16	.725	± .010	18.42	± 0.25					1.125	.774	.758	1.100	1.116	.750
315	13/16 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 ¼ x 3/16	.850	± .010	21.59	± 0.25					1.250	.900	.884	1.225	1.241	.875
317	15/16 x 1 5/16 x 3/16	.912	± .010	23.16	± 0.25					1.312	.962	.946	1.287	1.303	.937
318	1 x 1 3/8 x 3/16	.975	± .010	24.77	± 0.25					1.375	1.025	1.009	1.350	1.366	1.000
319	1 1/16 x 1 7/16 x 3/16	1.037	± .010	26.34	± 0.25					1.437	1.087	1.071	1.412	1.428	1.062
320	1 1/8 x 1 ½ x 3/16	1.100	± .012	27.94	± 0.30					1.500	1.150	1.134	1.475	1.491	1.125
321	1 3/16 x 1 9/16 x 3/16	1.162	± .012	29.51	± 0.30					1.562	1.212	1.196	1.537	1.553	1.187
322	1 ¼ x 1 5/8 x 3/16	1.225	± .012	31.12	± 0.30					1.625	1.275	1.259	1.600	1.616	1.250
323	1 5/16 x 1 11/16 x 3/16	1.287	± .012	32.69	± 0.30					1.687	1.357	1.341	1.662	1.678	1.312
324	1 3/8 x 1 ¾ x 3/16	1.350	± .012	34.29	± 0.30					1.750	1.400	1.384	1.725	1.741	1.375
*325	1 ½ x 1 7/8 x 3/16	1.475	± .015	37.47	± 0.38					1.875	1.525	1.509	1.850	1.866	1.500
*326	1 5/8 x 2 x 3/16	1.600	± .015	40.64	± 0.38					2.000	1.650	1.634	1.975	1.991	1.625
*327	1 ¾ x 2 1/8 x 3/16	1.725	± .015	43.82	± 0.38					2.125	1.775	1.759	2.100	2.116	1.750
*328	1 7/8 x 2 ¼ x 3/16	1.850	± .015	46.99	± 0.38					2.250	1.900	1.884	2.225	2.241	1.875
*329	2 x 2 3/8 x 3/16	1.975	± .018	50.17	± 0.46					2.375	2.025	2.009	2.350	2.366	2.000
*330	2 1/8 x 2 ½ x 3/16	2.100	± .018	53.34	± 0.46					2.500	2.150	2.134	2.475	2.491	2.125
*331	2 ¼ x 2 5/8 x 3/16	2.225	± .018	56.52	± 0.46					2.625	2.275	2.259	2.600	2.616	2.250
*332	2 3/8 x 2 ¾ x 3/16	2.350	± .018	59.69	± 0.46					2.750	2.400	2.384	2.725	2.741	2.375
*333	2 ½ x 2 7/8 x 3/16	2.475	± .020	62.87	± 0.51					2.875	2.525	2.509	2.850	2.866	2.500
*334	2 5/8 x 3 x 3/16	2.600	± .020	66.04	± 0.51					3.000	2.650	2.634	2.975	2.991	2.625
*335	2 ¾ x 3 1/8 x 3/16	2.725	± .020	69.22	± 0.51					3.125	2.775	2.759	3.100	3.116	2.750
*336	2 7/8 x 3 ¼ x 3/16	2.850	± .020	72.39	± 0.51					3.250	2.900	2.884	3.225	3.241	2.875
*619	2 15/16 x 3 5/16 x 3/16	2.938	± .015	74.63	± 0.36										
*337	3 x 3 3/8 x 3/16	2.975	± .024	75.57	± 0.61					3.375	3.025	3.009	3.350	3.366	3.000
*338	3 1/8 x 3 ½ x 3/16	3.100	± .024	78.74	± 0.61					3.500	3.150	3.134	3.475	3.491	3.125
*620		3.141	± .015	79.77	± 0.38										
*339	3 ¼ x 3 5/8 x 3/16	3.225	± .024	81.92	± 0.61					3.625	3.275	3.259	3.600	3.616	3.250
*340	3 5/8 x 3 ¾ x 3/16	3.350	± .024	85.09	± 0.61					3.750	3.400	3.384	3.725	3.741	3.375
*341	3 ½ x 3 7/8 x 3/16	3.475	± .024	88.27	± 0.61					3.875	3.525	3.509	3.850	3.866	3.500
*621	3 9/16 x 3 15/16 x 3/16	3.531	± .015	89.69	± 0.38										
*342	3 5/8 x 4 x 3/16	3.600	± .028	91.44	± 0.71					4.000	3.650	3.634	3.975	3.991	3.625
*343	3 ¾ 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 ¼ 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										
*345	4 x 4 3/8 x 3/16	3.975	± .028	100.97	± 0.71					4.375	4.025	4.009	4.350	4.366	4.000
*346	4 1/8 x 4 ½ x 3/16	4.100	± .028	104.14	± 0.71					4.500	4.150	4.134	4.475	4.491	4.125
*347	4 ¼ x 4 5/8 x 3/16	4.225	± .030	107.32	± 0.76					4.625	4.275	4.259	4.600	4.616	4.250
*623		4.312	± .015	109.54	± 0.38										4.375
*348	4 3/8 x 4 ¾ x 3/16	4.350	± .030	110.49	± 0.76					4.750	4.400	4.384	4.725	4.741	
*349	4 ½ x 4 7/8 x 3/16	4.475	± .030	113.67	± 0.76					4.875	4.525	4.509	4.850	4.866	4.500
350	4 5/8 x 5 x 3/16	4.600	± .030	116.84	± 0.76					5.000	4.650		4.975		4.625
860		4.625	± .015	117.48	± 0.38										
351	4 ¾ x 5 1/8 x 3/16	4.725	± .030	120.02	± 0.76					5.125	4.775		5.100		4.750
861		4.750	± .015	120.65	± 0.38										
352	4 7/8 x 5 ¼ x 3/16	4.850	± .030	123.19	± 0.76					5.250	4.900		5.225		4.875
862		4.875	± .015	123.83	± 0.38										
353	5 x 5 3/8 x 3/16	4.975	± .037	126.37	± 0.94					5.375	5.025		5.350		5.000
863		5.000	± .023	127.00	± 0.58										
354	5 1/8 x 5 ½ x 3/16	5.100	± .037	129.54	± 0.95					5.500	5.150		5.475		5.125
864		5.125	± .023	130.18	± 0.58										
355	5 ¼ x 5 5/8 x 3/16	5.225	± .037	132.72	± 0.94					5.625	5.275		5.600		5.250
865		5.250	± .023	133.35	± 0.58										
356	5 3/8 x 5 ¾ x 3/16	5.350	± .037	135.89	± 0.94					5.750	5.400		5.725		5.375
866		5.375	± .023	136.53	± 0.58										
357	5 ½ x 5 7/8 x 3/16	5.475	± .037	139.07	± 0.94					5.875	5.525		5.850		5.500
867		5.500	± .023	139.70	± 0.58										
358	5 5/8 x 6 x 3/16	5.600	± .037	142.24	± 0.94					6.000	5.650		5.975		5.625
868		5.625	± .023	142.88	± 0.58										
359	5 ¾ x 6 1/8 x 3/16	5.725	± .037	145.42	± 0.94					6.125	5.775		6.100		5.750
869		5.750	± .023	146.05	± 0.58										
360	5 7/8 x 6 ¼ x 3/16	5.850	± .037	148.59	± 0.94					6.250	5.900		6.225		5.875
870		5.875	± .023	149.23	± 0.58										
361	6 x 6 3/8 x 3/16	5.975	± .037	151.77	± 0.94					6.375	6.025		6.350		6.000
644	6 1/8 x 6 ½ x 3/16	6.100	± .023	155.00	± 0.58										
362	6 ¼ x 6 5/8 x 3/16	6.225	± .040	158.12	± 1.02					6.625	6.275		6.600		6.250
645	6 3/8 x 6 ¾ x 3/16	6.350	± .023	161.30	± 0.58										
363	6 ½ x 6 7/8 x 3/16	6.475	± .040	164.47	± 1.02					6.875	6.525		6.850		6.500
646	6 5/8 x 7 x 3/16	6.600	± .023	167.70	± 0.58										
364	6 ¾ x 7 1/8 x 3/16	6.725	± .040	170.82	± 1.02					7.125	6.775		7.100		6.750
647	6 7/8 x 7 ¼ x 3/16	6.850	± .023	174.00	± 0.58	.210	± .005	5.33	± 0.13						
365	7 x 7 3/8 x 3/16	6.975	± .040	177.17	± 1.02					7.375	7.025		7.350		7.000
366	7 ¼ x 7 5/8 x 3/16	7.225	± .045	183.52	± 1.14					7.625	7.275		7.600		7.250
367	7 ½ x 7 7/8 x 3/16	7.475	± .045	189.87	± 1.14					7.875	7.525		7.850		7.500
368	7 ¾ x 8 1/8 x 3/16	7.725	± .045	196.22	± 1.14					8.125	7.775		8.100		7.750
369	8 x 8 3/8 x 3/16	7.975	± .045	202.57	± 1.14					8.375	8.025		8.350		8.000
370	8 ¼ x 8 5/8 x 3/16	8.225	± .050	208.92	± 1.30					8.625	8.275		8.600		8.250
371	8 ½ x 8 7/8 x 3/16	8.475	± .050	215.27	± 1.30					8.875	8.525		8.850		8.500
372	8 ¾ x 9 1/8 x 3/16	8.725	± .050	222											

IMPERIAL RANGE

ISO360 (BS1806) ‘O’ RING SIZE CHART

Part No.	Nominal Size C x A x W	Inside Diameter				Cross Section				Bore Ø A	Piston Groove Ø B		Gland Groove Ø D		Rod Ø C
		INCH	±	mm	±	INCH	±	mm	±		INCH	STAT	DYN	STAT	
378	10 ½ x 10 ⅞ x ⅜	10.475	± .060	266.07	± 1.52	.210	± .005	5.33	± 0.13	10.875	10.525		10.850		10.500
379	11 x 11 ⅜ x ⅜	10.975	± .060	278.77	± 1.52					11.375	11.025		11.350		11.000
380	11 ½ x 11 ⅞ x ⅜	11.475	± .065	291.47	± 1.65					11.875	11.525		11.850		11.500
381	12 x 12 ⅜ x ⅜	11.975	± .065	304.17	± 1.65					12.375	12.025		12.350		12.000
382	13 x 13 ⅜ x ⅜	12.975	± .065	329.57	± 1.65					13.375	13.025		13.350		13.000
383	14 x 14 ⅜ x ⅜	13.975	± .070	354.97	± 1.78					14.375	14.025		14.350		14.000
384	15 x 15 ⅜ x ⅜	14.975	± .070	380.37	± 1.78					15.375	15.025		15.350		15.000
385	16 x 16 ⅜ x ⅜	15.955	± .075	405.26	± 1.90					16.375	16.025		16.350		16.000
386	17 x 17 ⅜ x ⅜	16.955	± .075	430.66	± 1.90					17.375	17.025		17.350		17.000
387	18 x 18 ⅜ x ⅜	17.955	± .080	456.06	± 2.15					18.375	18.025		18.350		18.000
388	19 x 19 ⅜ x ⅜	18.952	± .090	481.46	± 2.25					19.375	19.025		19.350		19.000
389	20 x 20 ⅜ x ⅜	19.952	± .095	506.78	± 2.40					20.375	20.025		20.350		20.000
390	21 x 21 ⅜ x ⅜	20.952	± .095	532.18	± 2.40					21.375	21.025		21.350		21.000
391	22 x 22 ⅜ x ⅜	21.952	± .100	557.58	± 2.55					22.375	22.025		22.350		22.000
392	23 x 23 ⅜ x ⅜	22.940	± .105	582.68	± 2.75					23.375	23.025		23.350		23.000
393	24 x 24 ⅜ x ⅜	23.940	± .110	608.08	± 2.80	24.375	24.025		24.350		24.000				
394	25 x 25 ⅜ x ⅜	24.940	± .115	633.48	± 2.90	25.375	25.025		25.350		25.000				
395	26 x 26 ⅜ x ⅜	25.940	± .120	658.88	± 3.05	26.375	26.025		26.350		26.000				
*425	4 ½ x 5 x ¼	4.475	± .033	113.67	± 0.84	.275	± .006	6.99	± 0.15	5.000	4.544	4.532	4.956	4.968	4.500
*624	4 ⅝ x 5 ⅛ x ¼	4.516	± .015	114.70	± 0.38					5.125	4.669	4.657	5.081	5.093	4.625
*426	4 ⅝ x 5 ⅝ x ¼	4.600	± .033	116.84	± 0.84					5.250	4.794	4.782	5.206	5.218	4.750
*427	4 ¾ x 5 ¼ x ¼	4.725	± .033	120.02	± 0.84					5.375	4.919	4.907	5.331	5.343	4.875
*428	4 ⅞ x 5 ⅝ x ¼	4.850	± .015	123.19	± 0.84										
*625		4.906	± .015	124.60	± 0.38					5.500	5.044	5.032	5.456	5.468	5.000
*429	5 x 5 ½ x ¼	4.975	± .037	126.37	± 0.94					5.625	5.169	5.157	5.581	5.593	5.125
*430	5 ⅛ x 5 ⅝ x ¼	5.100	± .037	129.54	± 0.94					5.750	5.294	5.282	5.706	5.718	5.250
*431	5 ¼ x 5 ¾ x ¼	5.225	± .023	132.72	± 0.94										
*626		5.297	± .023	134.50	± 0.58					5.875	5.419	5.407	5.831	5.843	5.375
*432	5 ⅜ x 5 ⅞ x ¼	5.350	± .037	135.89	± 0.94					6.000	5.544	5.532	5.956	5.968	5.500
*433	5 ½ x 6 x ¼	5.475	± .037	139.07	± 0.94					6.125	5.669	5.657	6.081	6.093	5.625
*434	5 ⅝ x 6 ⅛ x ¼	5.600	± .037	142.24	± 0.94					6.250	5.794	5.782	6.206	6.218	5.750
*435	5 ¾ x 6 ¼ x ¼	5.725	± .037	145.42	± 0.94					6.375	5.919	5.907	6.331	6.343	5.875
*436	5 ⅞ x 6 ⅝ x ¼	5.850	± .037	148.59	± 0.94					6.500	6.044	6.032	6.456	6.468	6.000
*437	6 x 6 ½ x ¼	5.975	± .023	151.77	± 0.94										
*872	6 ⅛ x 6 ⅝ x ¼	6.125	± .023	155.60	± 0.58	6.750	6.294	6.282	6.706	6.718	6.250				
*438	6 ¼ x 6 ¾ x ¼	6.225	± .023	158.12	± 1.02										
*627		6.281	± .023	159.50	± 0.58										
*874		6.375	± .023	161.90	± 0.58	7.000	6.544	6.532	6.956	6.968	6.500				
*439	6 ½ x 7 x ¼	6.475	± .023	164.47	± 1.08										
*628	6 ⅝ x 7 ⅛ x ¼	6.563	± .023	166.70	± 0.58										
*876	6 ⅞ x 7 ⅛ x ¼	6.625	± .023	168.30	± 0.58	7.250	6.794	6.782	7.206	7.218	6.750				
*440	6 ¾ x 7 ¼ x ¼	6.725	± .040	170.82	± 1.02										
*878	6 ⅞ x 7 ⅞ x ¼	6.875	± .023	174.60	± 0.58	7.500	7.044	7.032	7.456	7.468	7.000				
*441	7 x 7 ½ x ¼	6.975	± .030	177.17	± 1.02										
*880	7 ⅛ x 7 ⅝ x ¼	7.125	± .030	181.00	± 0.76	7.750	7.294	7.282	7.706	7.718	7.250				
*442	7 ¼ x 7 ¾ x ¼	7.225	± .030	183.52	± 1.14										
*882	7 ⅝ x 7 ⅞ x ¼	7.375	± .030	187.30	± 0.76	8.000	7.544	7.532	7.956	7.968	7.500				
*443	7 ½ x 8 x ¼	7.475	± .030	189.87	± 1.14										
*884	7 ⅝ x 8 ⅛ x ¼	7.625	± .030	193.70	± 0.76	8.250	7.794	7.782	8.206	8.218	7.750				
*444	7 ¾ x 8 ¼ x ¼	7.725	± .030	196.22	± 1.14										
*886	7 ⅞ x 8 ⅝ x ¼	7.875	± .030	200.00	± 0.76	8.500	8.044	8.032	8.456	8.468	8.000				
*445	8 x 8 ½ x ¼	7.975	± .030	202.57	± 1.14	9.000	8.544	8.532	8.956	8.968	8.500				
*674	8 ¼ x 8 ¾ x ¼	8.225	± .030	208.92	± 0.76										
*446	8 ½ x 9 x ¼	8.475	± .030	215.27	± 1.40	9.500	9.044	9.032	9.456	9.468	9.000				
*676	8 ¾ x 9 ⅛ x ¼	8.725	± .030	221.62	± 0.76										
*447	9 x 9 ½ x ¼	8.975	± .055	227.97	± 1.40	9.500	9.044	9.032	9.456	9.468	9.000				
*678	9 ¼ x 9 ¾ x ¼	9.225	± .030	234.32	± 0.76										
*448	9 ½ x 10 x ¼	9.475	± .055	240.67	± 1.40	10.000	9.544	9.532	9.956	9.968	9.500				
*680	9 ¾ x 10 ¼ x ¼	9.725	± .030	247.00	± 0.76										
*449	10 x 10 ½ x ¼	9.975	± .055	253.37	± 1.40	10.500	10.044	10.032	10.456	10.468	10.000				
*682	10 ¼ x 10 ¾ x ¼	10.225	± .030	259.70	± 0.76										
*450	10 ½ x 11 x ¼	10.475	± .060	266.07	± 1.52	11.000	10.544	10.532	10.956	10.968	10.500				
*684	10 ¾ x 11 ¼ x ¼	10.725	± .030	272.40	± 0.76										
*451	11 x 11 ½ x ¼	10.975	± .060	278.77	± 1.52	11.500	11.044	11.032	11.456	11.468	11.000				
*686	11 ¼ x 11 ¾ x ¼	11.225	± .030	285.10	± 0.76										
*452	11 ½ x 12 x ¼	11.475	± .060	291.47	± 1.52	12.000	11.544	11.532	11.956	11.968	11.500				
*688	11 ¾ x 12 ¼ x ¼	11.725	± .030	297.80	± 0.76										
*453	12 x 12 ½ x ¼	11.975	± .060	304.17	± 1.52	12.500	12.044	12.032	12.456	12.468	12.000				
*648	12 ¼ x 12 ¾ x ¼	12.225	± .030	310.50	± 0.76										
*454	12 ½ x 13 x ¼	12.475	± .060	316.87	± 1.52	13.000	12.544	12.532	12.956	12.968	12.500				
*649	12 ¾ x 13 ¼ x ¼	12.725	± .030	323.20	± 0.76										
*455	13 x 13 ½ x ¼	12.975	± .060	329.57	± 1.52	13.500	13.044	13.032	13.456	13.468	13.000				
*650	13 ¼ x 13 ¾ x ¼	13.225	± .030	335.90	± 0.76										
*456	13 ½ x 14 x ¼	13.475	± .070	342.27	± 1.78	14.000	13.544	13.532	13.956	13.968	13.500				
*457	14 x 14 ½ x ¼	13.975	± .070	354.97	± 1.78	14.500	14.044	14.032	14.456	14.468	14.000				
*458	14 ½ x 15 x ¼	14.475	± .070	367.67	± 1.78	15.000	14.544	14.352	14.956	14.968	14.500				
*459	15 x 15 ½ x ¼	14.975	± .070	380.37	± 1.78	15.500	15.044	15.032	15.456	15.468	15.000				
*460	15 ½ x 16 x ¼	15.475	± .070	393.07	± 1.78	16.000	15.544	15.532	15.956	15.968	15.500				
	16 x 16 ½ x ¼	15.955	± .075	405.26	± 1.90	16.500	16.044		16.456		16.000				
462	16 ½ x 17 x ¼	16.455	± .075	417.96	± 1.90	17.000	16.544		16.956		16.500				
463	17 x 17 ½ x ¼	16.955	± .080	430.66	± 2.05	17.500	17.044		17.456		17.000				
464	17 ½ x 18 x ¼	17.455	± .085	443.36	± 2.15	18.000	17.544		17.956		17.500				
465	18 x 18 ½ x ¼	17.955	± .085	456.06	± 2.15	18.500	18.044		18.456		18.000				
466	18 ½ x 19 x ¼	18.455	± .085	468.76	± 2.15	19.000	18.544		18.956		18.500				
467	19 x 19 ½ x ¼	18.955	± .090	481.46	± 2.25	19.500	19.044		19.456		19.000				
468	19 ½ x 20 x ¼	19.455	± .090	494.16	± 2.25	20.000	19.544		19.956		19.500				
469	20 x 20 ½ x ¼	19.955	± .090	506.86	± 2.25	20.500	20.044		20.456		20.000				
470	21 x 21 ½ x ¼	20.955	± .090	532.26	± 2.25	21.500	21.044		21.456		21.000				
471	22 x 22 ½ x ¼	21.955	± .100	557.66	± 2.55	22.500	22.044		22.456		22.000				
472	23 x 23 ½ x ¼	22.940	± .105	582.68	± 2.65	23.500	23.044		23.456		23.000				