

SQUARE RING SIZE  
SERIES NUMBERS

NOMINAL (INCH)  
REFERENCE

INCHES

MILLIMETERS

	ID	OD	C/S	ID	TOL.	WALL	CUT/THK	ID	TOL.	WALL	CUT
001S	1/32	3/32	1/32	.029	.003	.037+/- .005	.037+/- .005	.74	.08	.94	.94
002S	3/64	9/64	3/64	.042	.003	.047	.047	1.07	.08	1.20	1.20
003S	1/16	3/16	1/16	.056	.003	.057	.057	1.42	.08	1.45	1.45
004S	5/64	13/64	1/16	.070	.005	.066	.066	1.78	.13	1.68	1.68
005S	3/32	7/32	1/16	.101	.005	.066	.066	2.57	.13	1.68	1.68
006S	1/8	1/4	1/16	.114	.005	.066	.066	2.90	.13	1.68	1.68
007S	5/32	9/32	1/16	.145	.005	.066	.066	3.68	.13	1.68	1.68
008S	3/16	5/16	1/16	.176	.005	.066	.066	4.47	.13	1.68	1.68
009S	7/32	11/32	1/16	.208	.005	.066	.066	5.28	.13	1.68	1.68
010S	1/4	3/8	1/16	.239	.005	.066	.066	6.07	.13	1.68	1.68
011S	5/16	7/16	1/16	.301	.005	.066	.066	7.65	.13	1.68	1.68
012S	3/8	1/2	1/16	.364	.005	.066	.066	9.25	.13	1.68	1.68
013S	7/16	9/16	1/16	.426	.005	.066	.066	10.82	.13	1.68	1.68
014S	1/2	5/8	1/16	.489	.005	.066	.066	12.42	.13	1.68	1.68
015S	9/16	11/16	1/16	.551	.007	.066	.066	14.00	.18	1.68	1.68
016S	5/8	3/4	1/16	.614	.009	.066	.066	15.60	.23	1.68	1.68
017S	11/16	13/16	1/16	.676	.009	.066	.066	17.17	.23	1.68	1.68
018S	3/4	7/8	1/16	.739	.009	.066	.066	18.77	.23	1.68	1.68
019S	13/16	15/16	1/16	.801	.009	.066	.066	20.35	.23	1.68	1.68
020S	7/8	1	1/16	.864	.009	.066	.066	21.95	.23	1.68	1.68
021S	15/16	1 1/16	1/16	.926	.009	.066	.066	23.52	.23	1.68	1.68
022S	1	1 1/8	1/16	.989	.010	.066	.066	25.12	.25	1.68	1.68
023S	1 1/16	1 3/16	1/16	1.051	.010	.066	.066	26.70	.25	1.68	1.68
024S	1 1/8	1 1/4	1/16	1.114	.010	.066	.066	28.30	.25	1.68	1.68
025S	1 3/16	1 5/16	1/16	1.176	.011	.066	.066	29.87	.28	1.68	1.68
026S	1 1/4	1 3/8	1/16	1.239	.011	.066	.066	31.47	.28	1.68	1.68
027S	1 15/16	1 7/16	1/16	1.301	.011	.066	.066	33.05	.28	1.68	1.68
028S	1 3/8	1 1/2	1/16	1.364	.013	.066	.066	34.65	.33	1.68	1.68
029S	1 1/2	1 5/8	1/16	1.489	.013	.066	.066	37.82	.33	1.68	1.68
030S	1 5/8	1 3/4	1/16	1.614	.013	.066	.066	41.00	.33	1.68	1.68
031S	1 3/4	1 7/8	1/16	1.739	.015	.066	.066	44.17	.38	1.68	1.68
032S	1 7/8	2	1/16	1.864	.015	.066	.066	47.35	.38	1.68	1.68
033S	2	2 1/8	1/16	1.989	.018	.066	.066	50.52	.46	1.68	1.68
034S	2 1/8	2 1/4	1/16	2.114	.018	.066	.066	53.70	.46	1.68	1.68
035S	2 1/4	2 3/8	1/16	2.239	.018	.066	.066	56.87	.46	1.68	1.68
036S	2 3/8	2 1/2	1/16	2.364	.018	.066	.066	60.05	.46	1.68	1.68
037S	2 1/2	2 5/8	1/16	2.489	.018	.066	.066	63.22	.46	1.68	1.68
038S	2 5/8	2 3/4	1/16	2.614	.020	.066	.066	66.40	.51	1.68	1.68
039S	2 3/4	2 7/8	1/16	2.739	.020	.066	.066	69.57	.51	1.68	1.68
040S	2 7/8	3	1/16	2.864	.020	.066	.066	72.75	.51	1.68	1.68
041S	3	3 1/8	1/16	2.989	.024	.066	.066	75.92	.61	1.68	1.68
042S	3 1/4	3 3/8	1/16	3.239	.024	.066	.066	82.27	.61	1.68	1.68
043S	3 1/2	3 5/8	1/16	3.489	.024	.066	.066	88.62	.61	1.68	1.68
044S	3 3/4	3 7/8	1/16	3.739	.027	.066	.066	94.97	.69	1.68	1.68
045S	4	4 1/8	1/16	3.989	.027	.066	.066	101.32	.69	1.68	1.68
046S	4 1/4	4 3/8	1/16	4.239	.030	.066	.066	107.67	.76	1.68	1.68
047S	4 1/2	4 5/8	1/16	4.489	.030	.066	.066	114.02	.76	1.68	1.68
048S	4 3/4	4 7/8	1/16	4.739	.030	.066	.066	120.37	.76	1.68	1.68
049S	5	5 1/8	1/16	4.989	.037	.066	.066	126.72	.94	1.68	1.68
050S	5 1/4	5 3/8	1/16	5.239	.037	.066	.066	133.07	.94	1.68	1.68

SQUARE RING SIZE SERIES NUMBERS	NOMINAL (INCH)			INCHES				MILLIMETERS			
	ID	OD	C/S	ID	TOL	WALL	CUT/THK	ID	TOL	WALL	CUT
102S	1/16	1 / 4	3/32	.049	.004	.099+/- .005	.099+/- .005	1.24	.10	2.51+/- .13	2.51+/- .13
103S	3/32	9/32	3/32	.081	.005	.099	.099	2.06	.13	2.51	2.51
104S	1/8	5/16	3/32	.112	.005	.099	.099	2.84	.13	2.51	2.51
105S	5/32	11/32	3/32	.143	.005	.099	.099	3.63	.13	2.51	2.51
106S	3/16	3/8	3/32	.174	.005	.099	.099	4.42	.13	2.51	2.51
107S	7/32	13/32	3/32	.206	.005	.099	.099	5.23	.13	2.51	2.51
108S	1/4	7/16	3/32	.237	.005	.099	.099	6.02	.005	2.51	2.51
109S	5/16	1 / 2	3/32	.299	.00	.099	.099	7.59	.13	2.51	2.51
110S	3/8	9/16	3/32	.362	.005	.099	.099	9.19	.13	2.51	2.51
111S	7/16	5/8	3/32	.424	.005	.099	.099	10.77	.13	2.51	2.51
112S	1 / 2	11/16	3/32	.487	.005	.099	.099	12.37	.13	2.51	2.51
113S	9/16	3 / 4	3/32	.549	.007	.099	.099	13.94	.18	2.51	2.51
114S	5/8	13/16	3/32	.612	.009	.099	.099	15.54	.23	2.51	2.51
115S	11/16	7/8	3/32	.674	.009	.099	.099	17.12	.23	2.51	2.51
116S	3 / 4	15/16	3/32	.737	.009	.099	.099	18.72	.23	2.51	2.51
117S	13/16	1	3/32	.799	.010	.099	.099	20.30	.25	2.51	2.51
118S	7/8	1 1/16	3/32	.862	.010	.099	.099	21.89	.25	2.51	2.51
119S	15/16	1 1/8	3/32	.924	.010	.099	.099	23.47	.25	2.51	2.51
120S	1	1 3/16	3/32	.987	.010	.099	.099	25.07	.25	2.51	2.51
121S	1 1/16	1 1/4	3/32	1.049	.010	.099	.099	26.64	.099	2.51	2.51
122S	1 1/8	1 5/16	3/32	1.112	.010	.099	.099	28.24	.25	2.51	2.51
123S	1 3/16	1 3/8	3/32	1.174	.010	.099	.099	29.82	.30	2.51	2.51
124S	1 1 / 4	1 7/16	3/32	1.237	.010	.099	.099	31.42	.30	2.51	2.51
125S	1 5/16	1 1 / 2	3/32	1.299	.012	.099	.099	32.99	.30	2.51	2.51
126S	1 3/8	1 9/16	3/32	1.362	.012	.099	.099	34.59	.30	2.51	2.51
127S	1 7/16	1 5/8	3/32	1.424	.012	.099	.099	36.17	.30	2.51	2.51
128S	1 1 / 2	1 11/16	3/32	1.487	.012	.099	.099	37.77	.30	2.51	2.51
129S	1 9/16	1 3 / 4	3/32	1.549	.015	.099	.099	39.34	.38	2.51	2.51
130S	1 5/8	1 13/16	3/32	1.612	.015	.099	.099	40.94	.38	2.51	2.51
131S	1 11/16	1 7/8	3/32	1.674	.015	.099	.099	42.52	.38	2.51	2.51
132S	1 3 / 4	1 15/16	3/32	1.737	.015	.099	.099	44.12	.38	2.51	2.51
133S	1 13/16	2	3/32	1.799	.015	.099	.099	45.69	.38	2.51	2.51
134S	1 7/8	2 1/16	3/32	1.862	.015	.099	.099	47.29	.38	2.51	2.51
135S	1 15/16	2 1/8	3/32	1.925	.017	.099	.099	48.90	.43	2.51	2.51
136S	2	2 3/16	3/32	1.987	.017	.099	.099	50.47	.43	2.51	2.51
137S	2 1/16	2 1 / 4	3/32	2.050	.017	.099	.099	52.07	.43	2.51	2.51
138S	2 1/8	2 5/16	3/32	2.112	.017	.099	.099	53.64	.43	2.51	2.51
139S	2 3/16	2 3/8	3/32	2.175	.017	.099	.099	55.25	.43	2.51	2.51
140S	2 1 / 4	2 7/16	3/32	2.237	.017	.099	.099	56.82	.43	2.51	2.51
141S	2 5/16	2 1 / 2	3/32	2.300	.020	.099	.099	58.42	.51	2.51	2.51
142S	2 3/8	2 9/16	3/32	2.362	.020	.099	.099	59.99	.51	2.51	2.51
143S	2 7/16	2 5/8	3/32	2.425	.020	.099	.099	61.60	.51	2.51	2.51
144S	2 1 / 2	2 11/16	3/32	2.487	.020	.099	.099	63.17	.51	2.51	2.51
145S	2 9/16	2 3 / 4	3/32	2.550	.020	.099	.099	64.77	.51	2.51	2.51
146S	2 5/8	2 13/16	3/32	2.612	.020	.099	.099	66.34	.51	2.51	2.51
147S	2 11/16	2 7/8	3/32	2.675	.022	.099	.099	67.95	.56	2.51	2.51
148S	2 3 / 4	2 15/16	3/32	2.737	.022	.099	.099	69.52	.56	2.51	2.51
149S	2 13/16	3	3/32	2.800	.022	.099	.099	71.12	.56	2.51	2.51
150S	2 7/8	3 1/16	3/32	2.862	.022	.099	.099	72.69	.56	2.51	2.51
151S	3	3 3/16	3/32	2.987	.024	.099	.099	75.87	.61	2.51	2.51
152S	3 1 / 4	3 7/16	3/32	3.237	.024	.099	.099	82.22	.61	2.51	2.51
153S	3 1 / 2	3 11/16	3/32	3.487	.024	.099	.099	88.58	.61	2.51	2.51

SQUARE RING SIZE SERIES NUMBERS	NOMINAL INCH			INCHES				MILLIMETERS			
	ID	OD	C/S	ID	TOL	WALL	CUT/THK	ID	TOL	WALL	CUT
154S	3 3/4	3 15/16	3/32	3.737	.028	.099	.099	94.92	.71	2.51	2.51
155S	4	4 2/16	3/32	3.987	.028	.099	.099	101.27	.71	2.51	2.51
156S	4 1/4	4 7/16	3/32	4.237	.030	.099	.099	107.62	.76	2.51	2.51
157S	4 1/2	4 11/16	3/32	4.487	.030	.099	.099	113.97	.76	2.51	2.51
158S	4 3/4	4 15/16	3/32	4.737	.030	.099	.099	120.32	.76	2.51	2.51
159S	5	5 3/16	3/32	4.987	.035	.099	.099	126.67	.89	2.51	2.51
160S	5 1/4	5 7/16	3/32	5.237	.035	.099	.099	133.02	.89	2.51	2.51
161S	5 1/2	5 11/16	3/32	5.487	.035	.099	.099	139.37	.89	2.51	2.51
162S	5 3/4	5 15/16	3/32	5.737	.035	.099	.099	145.72	.89	2.51	2.51
163S	6	6 3/16	3/32	5.987	.035	.099	.099	152.07	.89	2.51	2.51
164S	6 1/4	6 7/16	3/32	6.237	.040	.099	.099	158.42	1.02	2.51	2.51
165S	6 1/2	6 11/16	3/32	6.487	.040	.099	.099	164.77	1.02	2.51	2.51
166S	6 3/4	6 15/16	3/32	6.737	.040	.099	.099	171.12	1.02	2.51	2.51
167S	7	7 3/16	3/32	6.987	.040	.099	.099	177.47	1.02	2.51	2.51
168S	7 1/4	7 7/16	3/32	7.237	.045	.099	.099	183.82	1.14	2.51	2.51
169S	7 1/2	7 11/16	3/32	7.487	.045	.099	.099	190.17	1.14	2.51	2.51
170S	7 3/4	7 15/16	3/32	7.737	.045	.099	.099	196.52	1.14	2.51	2.51
171S	8	8 3/16	3/32	7.987	.045	.099	.099	202.87	1.14	2.51	2.51
172S	8 1/4	8 7/16	3/32	8.237	.050	.099	.099	209.22	1.27	2.51	2.51
173S	8 1/2	8 11/16	3/32	8.487	.050	.099	.099	215.57	1.27	2.51	2.51
174S	8 3/4	8 15/16	3/32	8.737	.050	.099	.099	221.92	1.27	2.51	2.51
175S	9	9 3/16	3/32	8.987	.050	.099	.099	228.27	1.27	2.51	2.51
176S	9 1/4	9 7/16	3/32	9.237	.055	.099	.099	234.62	1.40	2.51	2.51
177S	9 1/2	9 11/16	3/32	9.487	.055	.099	.099	240.97	1.40	2.51	2.51
178S	9 3/4	9 15/16	3/32	9.737	.055	.099	.099	247.32	1.40	2.51	2.51
201S	3/16	7/16	1/8	.171	.006	.134+/- .005	.134+/- .005	4.34	.15	3.4	3.4
202S	1/4	1/2	1/8	.234	.007	.134	.134	5.94	.18	3.4	3.4
203S	5/16	9/16	1/8	.296	.007	.134	.134	7.52	.18	3.4	3.4
204S	3/8	5/8	1/8	.359	.007	.134	.134	9.12	.18	3.4	3.4
205S	7/16	11/16	1/8	.421	.007	.134	.134	10.69	.18	3.4	3.4
206S	1/2	3/4	1/8	.484	.007	.134	.134	12.29	.18	3.4	3.4
207S	9/16	13/16	1/8	.546	.007	.134	.134	13.87	.18	3.4	3.4
208S	5/8	7/8	1/8	.609	.009	.134	.134	15.47	.23	3.4	3.4
209S	11/16	15/16	1/8	.671	.009	.134	.134	17.04	.23	3.4	3.4
210S	3/4	1	1/8	.734	.010	.134	.134	18.64	.25	3.4	3.4
211S	13/16	1 1/16	1/8	.796	.010	.134	.134	20.22	.25	3.4	3.4
212S	7/8	1 1/8	1/8	.859	.010	.134	.134	21.82	.25	3.4	3.4
213S	15/16	1 3/16	1/8	.921	.010	.134	.134	23.39	.25	3.4	3.4
214S	1	1 1/4	1/8	.984	.010	.134	.134	24.99	.25	3.4	3.4
215S	1 1/16	1 5/16	1/8	1.046	.010	.134	.134	26.57	.25	3.4	3.4
216S	1 1/8	1 3/8	1/8	1.109	.012	.134	.134	28.17	.31	3.4	3.4
217S	1 13/16	1 7/16	1/8	1.171	.012	.134	.134	29.74	.31	3.4	3.4
218S	1 1/4	1 1/2	1/8	1.234	.012	.134	.134	31.34	.31	3.4	3.4
219S	1 5/16	1 9/16	1/8	1.296	.012	.134	.134	32.92	.31	3.4	3.4
220S	1 3/8	1 5/8	1/8	1.359	.012	.134	.134	34.52	.31	3.4	3.4
221S	1 7/16	1 11/16	1/8	1.421	.012	.134	.134	36.09	.31	3.4	3.4
222S	1 1/2	1 3/4	1/8	1.484	.012	.134	.134	37.69	.38	3.4	3.4
223S	1 5/8	1 7/8	1/8	1.609	.015	.134	.134	40.87	.38	3.4	3.4
224S	1 3/4	2	1/8	1.734	.015	.134	.134	44.04	.38	3.4	3.4
225S	1 7/8	2 1/8	1/8	1.859	.018	.134	.134	47.22	.46	3.4	3.4
226S	2	2 1/4	1/8	1.984	.018	.134	.134	50.39	.46	3.4	3.4
227S	2 1/8	2 3/8	1/8	2.109	.018	.134	.134	53.57	.46	3.4	3.4
228S	2 1/4	2 1/2	1/8	2.234	.020	.134	.134	56.74	.51	3.4	3.4

**SQUARE RING SIZE  
SERIES NUMBERS**

**NOMINAL (INCH)**

**INCHES**

**MILLIMETERS**

	ID	OD	C/S	ID	TOL	WALL	CUT/THK	ID	TOL	WALL	CUT
229S	2 3/8	2 5/8	1/8	2.359	.020	.134+/- .005	.134+/- .005	59.92	.51	3.4	3.4
230S	2 1/2	2 3/4	1/8	2.484	.020	.134	.134	63.09	.51	3.4	3.4
231S	2 5/8	2 7/8	1/8	2.609	.020	.134	.134	66.27	.51	3.4	3.4
232S	2 3/4	3	1/8	2.734	.024	.134	.134	69.44	.61	3.4	3.4
233S	2 7/8	3 1/8	1/8	2.859	.024	.134	.134	72.62	.61	3.4	3.4
234S	3	3 1/4	1/8	2.984	.024	.134	.134	75.79	.61	3.4	3.4
235S	3 1/8	3 3/8	1/8	3.109	.024	.134	.134	78.97	.61	3.4	3.4
236S	3 1/4	3 1/2	1/8	3.234	.024	.134	.134	82.14	.61	3.4	3.4
237S	3 3/8	3 5/8	1/8	3.359	.024	.134	.134	85.32	.61	3.4	3.4
238S	3 1/2	3 3/4	1/8	3.484	.024	.134	.134	88.49	.61	3.4	3.4
239S	3 5/8	3 7/8	1/8	3.609	.028	.134	.134	91.67	.71	3.4	3.4
240S	3 3/4	4	1/8	3.734	.028	.134	.134	94.84	.71	3.4	3.4
241S	3 7/8	4 1/8	1/8	3.859	.028	.134	.134	98.02	.71	3.4	3.4
242S	4	4 1/4	1/8	3.984	.028	.134	.134	101.19	.71	3.4	3.4
243S	4 1/8	4 3/8	1/8	4.109	.028	.134	.134	104.37	.71	3.4	3.4
244S	4 1/4	4 1/2	1/8	4.234	.030	.134	.134	107.54	.71	3.4	3.4
245S	4 3/8	4 5/8	1/8	4.359	.030	.134	.134	110.72	.76	3.4	3.4
246S	4 1/2	4 3/4	1/8	4.484	.030	.134	.134	113.89	.76	3.4	3.4
247S	4 5/8	4 7/8	1/8	4.609	.030	.134	.134	117.07	.76	3.4	3.4
248S	4 3/4	5	1/8	4.734	.030	.134	.134	120.24	.76	3.4	3.4
249S	4 7/8	5 1/8	1/8	4.859	.035	.134	.134	123.42	.89	3.4	3.4
250S	5	5 1/4	1/8	4.984	.035	.134	.134	126.59	.89	3.4	3.4
251S	5 1/8	5 3/8	1/8	5.109	.035	.134	.134	129.77	.89	3.4	3.4
252S	5 1/4	5 1/2	1/8	5.234	.035	.134	.134	132.94	.89	3.4	3.4
253S	5 3/8	5 5/8	1/8	5.359	.035	.134	.134	136.12	.89	3.4	3.4
254S	5 1/2	5 3/4	1/8	5.484	.035	.134	.134	139.29	.89	3.4	3.4
255S	5 5/8	5 7/8	1/8	5.609	.035	.134	.134	142.47	.89	3.4	3.4
256S	5 3/4	6	1/8	5.734	.035	.134	.134	145.64	.89	3.4	3.4
257S	5 7/8	6 1/8	1/8	5.859	.035	.134	.134	148.82	.89	3.4	3.4
258S	6	6 1/4	1/8	5.984	.035	.134	.134	151.99	.89	3.4	3.4
259S	6 1/4	6 1/2	1/8	6.234	.040	.134	.134	158.34	1.02	3.4	3.4
260S	6 1/2	6 3/4	1/8	6.484	.040	.134	.134	164.69	1.02	3.4	3.4
261S	6 3/4	7	1/8	6.734	.040	.134	.134	171.04	1.02	3.4	3.4
262S	7	7 1/4	1/8	6.984	.040	.134	.134	177.39	1.02	3.4	3.4
263S	7 1/4	7 1/2	1/8	7.234	.045	.134	.134	183.74	1.14	3.4	3.4
264S	7 1/2	7 3/4	1/8	7.484	.045	.134	.134	190.09	1.14	3.4	3.4
265S	7 3/4	8	1/8	7.734	.045	.134	.134	196.44	1.14	3.4	3.4
266S	8	8 1/4	1/8	7.984	.045	.134	.134	202.79	1.14	3.4	3.4
267S	8 1/4	8 1/2	1/8	8.234	.050	.134	.134	209.14	1.27	3.4	3.4
268S	8 1/2	8 3/4	1/8	8.484	.050	.134	.134	215.49	1.27	3.4	3.4
269S	8 3/4	9	1/8	8.734	.050	.134	.134	221.84	1.27	3.4	3.4
270S	9	9 1/4	1/8	8.984	.050	.134	.134	228.19	1.27	3.4	3.4
271S	9 1/4	9 1/2	1/8	9.234	.055	.134	.134	234.54	1.40	3.4	3.4
272S	9 1/2	9 3/4	1/8	9.484	.055	.134	.134	240.89	1.40	3.4	3.4
273S	9 3/4	10	1/8	9.734	.055	.134	.134	247.24	1.40	3.4	3.4
274S	10	10 1/4	1/8	9.984	.055	.134	.134	253.59	1.40	3.4	3.4
275S	10 1/2	10 3/4	1/8	10.484	.055	.134	.134	266.29	1.40	3.4	3.4
276S	11	11 1/4	1/8	10.984	.065	.134	.134	278.99	1.65	3.4	3.4
277S	11 1/2	11 3/4	1/8	11.484	.065	.134	.134	291.69	1.65	3.4	3.4
278S	12	12 1/4	1/8	11.984	.065	.134	.134	304.39	1.65	3.4	3.4
279S	13	13 1/4	1/8	12.984	.065	.134	.134	329.79	1.65	3.4	3.4
280S	14	14 1/4	1/8	13.984	.065	.134	.134	355.19	1.65	3.4	3.4

**SQUARE RING SIZE  
SERIES NUMBERS**

**NOMINAL (INCH)**

**INCHES**

**MILLIMETER**

SERIES NUMBERS	ID	NOMINAL (INCH)		ID	TOL	WALL	CUT/THK	ID	MILLIMETER		
		OD	C/S						TOL	WALL	CUT
309S	7/16	13/16	3/16	.412	.007	.203+/- .006	.203+/- .006	10.46	.18	5.16	5.16
310S	1/2	7/8	3/16	.475	.007	.203	.203	12.07	.18	5.16	5.16
311S	9/16	15/16	3/16	.537	.007	.203	.203	13.64	.18	5.16	5.16
312S	5/8	1	3/16	.600	.009	.203	.203	15.24	.23	5.16	5.16
313S	11/16	1 1/16	3/16	.662	.009	.203	.203	16.81	.23	5.16	5.16
314S	3/4	1 1/8	3/16	.725	.010	.203	.203	18.42	.25	5.16	5.16
315S	13/16	1 3/16	3/16	.787	.010	.203	.203	19.99	.25	5.16	5.16
316S	7/8	1 1/4	3/16	.850	.010	.203	.203	21.59	.25	5.16	5.16
317S	15/16	1 15/16	3/16	.912	.010	.203	.203	23.16	.25	5.16	5.16
318S	1	1 3/8	3/6	.975	.010	.203	.203	24.77	.25	5.16	5.16
319S	1 1/16	1 7/16	3/16	1.037	.010	.203	.203	26.34	.25	5.16	5.16
320S	1 1/8	1 1/2	3/16	1.100	.012	.203	.203	27.94	.31	5.16	5.16
321S	1 3/16	1 9/16	3/16	1.162	.012	.203	.203	29.51	.31	5.16	5.16
322S	1 1/4	1 5/8	3/16	1.225	.012	.203	.203	31.12	.31	5.16	5.16
323S	1 15/16	1 11/16	3/16	1.287	.012	.203	.203	32.69	.31	5.16	5.16
324S	1 3/8	1 3/4	3/16	1.350	.012	.203	.203	34.29	.31	5.16	5.16
325S	1 1/2	1 7/8	3/16	1.475	.015	.203	.203	37.47	.38	5.16	5.16
326S	1 5/8	2	3/16	1.600	.015	.203	.203	40.64	.38	5.16	5.16
327S	1 3/4	2 1/8	3/16	1.725	.015	.203	.203	43.82	.38	5.16	5.16
328S	1 7/8	2 1/4	3/16	1.850	.015	.203	.203	46.99	.38	5.16	5.16
329S	2	2 3/8	3/16	1.975	.018	.203	.203	50.17	.46	5.16	5.16
330S	2 1/8	2 1/2	3/16	2.100	.018	.203	.203	53.34	.46	5.16	5.16
331S	2 1/4	2 5/8	3/16	2.225	.018	.203	.203	56.52	.46	5.16	5.16
332S	2 3/8	2 3/4	3/16	2.350	.018	.203	.203	59.69	.46	5.16	5.16
333S	2 1/2	2 7/8	3/16	2.475	.020	.203	.203	62.87	.51	5.16	5.16
334S	2 5/8	3	3/16	2.600	.020	.203	.203	66.04	.51	5.16	5.16
335S	2 3/4	3 1/8	3/16	2.725	.020	.203	.203	69.22	.51	5.16	5.16
336S	2 7/8	3 1/4	3/16	2.850	.020	.203	.203	72.39	.51	5.16	5.16
337S	3	3 3/8	3/16	2.975	.024	.203	.203	75.57	.61	5.16	5.16
338S	3 1/8	3 1/2	3/16	3.100	.024	.203	.203	78.74	.61	5.16	5.16
339S	3 1/4	3 5/8	3/16	3.225	.024	.203	.203	81.92	.61	5.16	5.16
340S	3 3/8	3 3/4	3/16	3.350	.024	.203	.203	85.09	.61	5.16	5.16
341S	3 1/2	3 7/8	3/16	3.475	.024	.203	.203	88.27	.61	5.16	5.16
342S	3 5/8	4	3/16	3.600	.028	.203	.203	91.44	.71	5.16	5.16
343S	3 3/4	4 1/8	3/16	3.725	.028	.203	.203	94.62	.71	5.16	5.16
344S	3 7/8	4 1/4	3/16	3.850	.028	.203	.203	97.79	.71	5.16	5.16
345S	4	4 3/8	3/16	3.975	.028	.203	.203	100.97	.71	5.16	5.16
346S	4 1/8	4 1/2	3/16	4.100	.028	.203	.203	104.14	.71	5.16	5.16
347S	4 1/4	4 5/8	3/16	4.225	.030	.203	.203	107.32	.76	5.16	5.16
348S	4 3/8	4 3/4	3/16	4.350	.030	.203	.203	110.49	.76	5.16	5.16
349S	4 1/2	4 7/8	3/16	4.475	.030	.203	.203	113.67	.76	5.16	5.16
350S	4 5/8	5	3/16	4.600	.030	.203	.203	116.84	.76	5.16	5.16
351S	4 3/4	5 1/8	3/16	4.725	.030	.203	.203	120.02	.76	5.16	5.16
352S	4 7/8	5 1/4	3/16	4.850	.030	.203	.203	123.19	.76	5.16	5.16
353S	5	5 3/8	3/16	4.975	.037	.203	.203	126.37	.94	5.16	5.16
354S	5 1/8	5 1/2	3/16	5.100	.037	.203	.203	129.54	.94	5.16	5.16
355S	5 1/4	5 5/8	3/16	5.225	.037	.203	.203	132.72	.94	5.16	5.16
356S	5 3/8	5 3/4	3/16	5.350	.037	.203	.203	135.89	.94	5.16	5.16
357S	5 1/2	5 7/8	3/16	5.475	.037	.203	.203	139.07	.94	5.16	5.16
358S	5 5/8	6	3/16	5.600	.037	.203	.203	142.24	.94	5.16	5.16
359S	5 3/4	6 1/8	3/16	5.725	.037	.203	.203	145.42	.94	5.16	5.16
360S	5 7/8	6 1/4	3/16	5.850	.037	.203	.203	148.59	.94	5.16	5.16

SQUARE RING SIZE SERIES NUMBERS	NOMINAL			ACTUAL				MILLIMETERS			
	ID	OD	C/S	ID	TOL	WALL	CUT/THK	ID	TOL	WALL	CUT
361S	6	6 3/8	3/16	5.975	.037	.203+/- .006	.203+/- .006	151.77	.94	5.16	5.16
362S	6 1/4	6 5/8	3/16	6.225	.040	.203	.203	158.12	1.02	5.16	5.16
363S	6 1/2	6 7/8	3/16	6.475	.040	.203	.203	164.47	1.02	5.16	5.16
364S	6 3/4	7 1/8	3/16	6.725	.040	.203	.203	170.82	1.02	5.16	5.16
365S	7	7 3/8	3/16	6.975	.040	.203	.203	177.17	1.02	5.16	5.16
366S	7 1/4	7 5/8	3/16	7.225	.045	.203	.203	183.52	1.14	5.16	5.16
367S	7 1/2	7 7/8	3/16	7.475	.045	.203	.203	189.87	1.14	5.16	5.16
368S	7 3/4	8 1/8	3/16	7.725	.045	.203	.203	196.22	1.14	5.16	5.16
369S	8	8 3/8	3/16	7.975	.045	.203	.203	202.57	1.14	5.16	5.16
370S	8 1/4	8 5/8	3/16	8.225	.050	.203	.203	208.92	1.27	5.16	5.16
371S	8 1/2	8 7/8	3/16	8.475	.050	.203	.203	215.27	1.27	5.16	5.16
372S	8 3/4	9 1/8	3/16	8.725	.050	.203	.203	221.62	1.27	5.16	5.16
373S	9	9 3/8	3/16	8.975	.050	.203	.203	227.97	1.27	5.16	5.16
374S	9 1/4	9 5/8	3/16	9.225	.055	.203	.203	234.32	1.40	5.16	5.16
375S	9 1/2	9 7/8	3/16	9.475	.055	.203	.203	240.67	1.40	5.16	5.16
376S	9 3/4	10 1/8	3/16	9.725	.055	.203	.203	247.02	1.40	5.16	5.16
377S	10	10 3/8	3/16	9.975	.055	.203	.203	253.37	1.40	5.16	5.16
378S	10 1/2	10 7/8	3/16	10.475	.060	.203	.203	266.07	1.52	5.16	5.16
379S	11	11 3/8	3/16	10.975	.060	.203	.203	278.77	1.52	5.16	5.16
380S	11 1/2	11 7/8	3/16	11.475	.065	.203	.203	291.47	1.65	5.16	5.16
381S	12	12 3/8	3/16	11.975	.065	.203	.203	304.17	1.65	5.16	5.16
382S	13	13 3/8	3/16	12.975	.065	.203	.203	329.57	1.65	5.16	5.16
383S	14	14 3/8	3/16	13.975	.070	.203	.203	354.97	1.78	5.16	5.16
384S	15	15 3/8	3/16	14.975	.070	.203	.203	380.37	1.78	5.16	5.16
385S	16	16 3/8	3/16	15.955	.075	.203	.203	405.27	1.91	5.16	5.16
386S	17	17 3/8	3/16	16.955	.075	.203	.203	430.67	1.91	5.16	5.16
387S	18	18 3/8	3/16	17.955	.080	.203	.203	456.07	2.03	5.16	5.16
425S	4 1/2	5	1/4	4.475	.033	.266+/- .007	.266+/- .007	113.67	.84	6.73	6.73
426S	4 5/8	5 1/8	1/4	4.600	.033	.266	.266	116.84	.84	6.73	6.73
427S	4 3/4	5 1/4	1/4	4.725	.033	.266	.266	120.02	.84	6.73	6.73
428S	4 7/8	5 3/8	1/4	4.850	.033	.266	.266	123.19	.84	6.73	6.73
429S	5	5 1/2	1/4	4.975	.037	.266	.266	126.37	.94	6.73	6.73
430S	5 1/8	5 5/8	1/4	5.100	.037	.266	.266	129.54	.94	6.73	6.73
431S	5 1/4	5 3/4	1/4	5.225	.037	.266	.266	132.72	.94	6.73	6.73
432S	5 3/8	5 7/8	1/4	5.350	.037	.266	.266	135.89	.94	6.73	6.73
433S	5 1/2	6	1/4	5.475	.037	.266	.266	139.07	.94	6.73	6.73
434S	5 5/8	6 1/8	1/4	5.600	.037	.266	.266	142.24	.94	6.73	6.73
435S	5 3/4	6 1/4	1/4	5.725	.037	.266	.266	145.42	.94	6.73	6.73
436S	5 7/8	6 3/8	1/4	5.850	.037	.266	.266	148.59	.94	6.73	6.73
437S	6	6 1/2	1/4	5.975	.037	.266	.266	151.77	.94	6.73	6.73
438S	6 1/4	6 3/4	1/4	6.225	.040	.266	.266	158.12	1.02	6.73	6.73
439S	6 1/2	7	1/4	6.475	.040	.266	.266	164.47	1.02	6.73	6.73
440S	6 3/4	7 1/4	1/4	6.725	.040	.266	.266	170.82	1.02	6.73	6.73
441S	7	7 1/2	1/4	6.975	.040	.266	.266	177.17	1.02	6.73	6.73
442S	7 1/4	7 3/4	1/4	7.225	.045	.266	.266	183.52	1.14	6.73	6.73
443S	7 1/2	8	1/4	7.475	.045	.266	.266	189.87	1.14	6.73	6.73
444S	7 3/4	8 1/4	1/4	7.725	.045	.266	.266	196.22	1.14	6.73	6.73
445S	8	8 1/2	1/4	7.975	.045	.266	.266	202.57	1.14	6.73	6.73
446S	8 1/2	9	1/4	8.475	.055	.266	.266	215.27	1.40	6.73	6.73
447S	9	9 1/2	1/4	8.975	.055	.266	.266	227.97	1.40	6.73	6.73
448S	9 1/2	10	1/4	9.475	.055	.266	.266	240.67	1.40	6.73	6.73
449S	10	10 1/2	1/4	9.975	.055	.266	.266	253.37	1.40	6.73	6.73

**SQUARE RING SIZE  
SERIES NUMBERS**

SQUARE RING SIZE SERIES NUMBERS	ID	NOMINAL		ID	TOL	INCHES		ID	MILLIMETERS		
		OD	C/S			WALL	CUT/THK		TOL	WALL	CUT
450S	10 1/2	11	1/4	10.475	.060	.266	.266	266.07	1.52	6.73	6.73
451S	11	11 1/2	1/4	10.975	.060	.266	.266	278.77	1.52	6.73	6.73
452S	11 1/2	12	1/4	11.475	.060	.266	.266	291.47	1.52	6.73	6.73
453S	12	12 1/2	1/4	11.975	.060	.266	.266	304.14	1.52	6.73	6.73
454S	12 1/2	13	1/4	12.475	.060	.266	.266	316.87	1.52	6.73	6.73
455S	13	13 1/2	1/4	12.975	.060	.266	.266	329.57	1.52	6.73	6.73
456S	13 1/2	14	1/4	13.475	.070	.266	.266	342.27	1.78	6.73	6.73
457S	14	14 1/2	1/4	13.975	.070	.266	.266	354.97	1.78	6.73	6.73
458S	14 1/2	15	1/4	14.475	.070	.266	.266	367.67	1.78	6.73	6.73
459S	15	15 1/2	1/4	14.975	.070	.266	.266	380.37	1.78	6.73	6.73
460S	15 1/2	16	1/4	15.475	.070	.266	.266	393.07	1.78	6.73	6.73
461S	16	16 1/2	1/4	15.955	.075	.266	.266	405.27	1.91	6.73	6.73
462S	16 1/2	17	1/4	16.455	.075	.266	.266	417.97	1.91	6.73	6.73
463S	17	17 1/2	1/4	16.955	.080	.266	.266	430.67	2.03	6.73	6.73
464S	17 1/2	18	1/4	17.455	.085	.266	.266	443.37	2.16	6.73	6.73
465S	18	18 1/2	1/4	17.955	.085	.266	.266	456.07	2.16	6.73	6.73