

<b>1/16" Nominal Radial Cross Section</b>				
G=.094/.104 G1=.149/.159 G2=.207/.217				
Military: L = .056/.058 Industrial: L = .061/.063				
Size Dash No.	ØA +.001 -.000	ØB +.000 -.001	ØA +.001 -.000	ØB +.000 -.001
004	.190	.076	.203	0.078
005	.221	.108	.234	.109
006	.235	.123	.250	.125
007	.266	.154	.281	.156
008	.297	.185	.312	.187
009	.329	.217	.343	.218
010	.360	.248	.375	.250
011	.422	.310	.437	.312
012	.485	.373	.500	.375
	+0.002	+0.000	+0.002	+0.000
	-0.000	-0.002	-0.000	-0.002
013	.550	.438	0.562	.437
014	.613	.501	0.625	.500
015	.675	.563	0.687	.562
016	.738	.626	0.75	.625
017	.800	.688	0.812	.687
018	.863	.751	0.875	.750
019	.925	.813	0.937	.812
020	.993	.881	1.000	.875
021	1.055	.943	1.062	.937
022	1.118	1.006	1.125	1.000
023	1.180	1.068	1.187	1.062
024	1.243	1.131	1.250	1.125
025	1.305	1.193	1.312	1.187
026	1.368	1.256	1.375	1.250
027	1.430	1.318	1.437	1.312
028	1.493	1.381	1.500	1.375
029	1.617	1.505	1.625	1.500
030	1.739	1.627	1.750	1.625
031	1.864	1.752	1.875	1.750
032	1.989	1.877	2.000	1.875
033	2.114	2.002	2.125	2.000
034	2.239	2.127	2.250	2.125
035	2.364	2.252	2.375	2.250
036	2.489	2.377	2.500	2.375
037	2.614	2.502	2.625	2.500
038	2.739	2.627	2.750	2.625
039	2.864	2.752	2.875	2.750
040	2.987	2.875	3.000	2.875
041	3.112	3.000	3.125	3.000
042	3.362	3.250	3.375	3.250
043	3.612	3.500	3.625	3.500
044	3.862	3.750	3.875	3.750
045	4.112	4.000	4.125	4.000

**1/8" Nominal Radial Cross Section**

G=.188/.198      G1=.235/.245      G2=.304/.314				
Military: L = .089/.091      Industrial: L = .094/.096				
Size Dash No.	ØA	ØB	ØA	ØB
	+0.002 -0.000	+0.000 -0.002	+0.002 -0.000	+0.000 -0.002
202	.491	.249	.500	.250
203	.553	.311	.562	.312
204	.615	.373	.625	.375
205	.677	.435	.687	.437
206	.740	.498	.750	.500
207	.802	.560	.812	.562
208	.865	.632	.875	.625
209	.927	.685	.937	.687
210	.991	.748	1.000	.750
211	1.053	.810	1.062	.812
212	1.116	.873	1.125	.875
213	1.178	.935	1.187	.937
214	1.241	.998	1.250	1.000
215	1.303	1.060	1.312	1.062
216	1.366	1.123	1.375	1.125
217	1.428	1.185	1.437	1.187
218	1.491	1.248	1.500	1.250
219	1.553	1.310	1.562	1.312
220	1.616	1.373	1.625	1.375
221	1.678	1.435	1.687	1.437
222	1.741	1.498	1.750	1.500
223	1.868	1.625	1.875	1.625
224	1.993	1.750	2.000	1.750
225	2.118	1.875	2.125	1.875
226	2.243	2.000	2.250	2.000
227	2.368	2.125	2.375	2.125
228	2.493	2.250	2.500	2.250
229	2.618	2.375	2.625	2.375
230	2.743	2.500	2.750	2.500
231	2.868	2.625	2.875	2.625
232	2.993	2.750	3.000	2.750
233	3.118	2.875	3.125	2.875
234	3.243	3.000	3.250	3.000
235	3.368	3.125	3.375	3.125
236	3.493	3.250	3.500	3.250
237	3.618	3.375	3.625	3.375
238	3.743	3.500	3.750	3.500
239	3.868	3.625	3.875	3.625
240	3.993	3.75	4.000	3.750
241	4.118	3.875	4.125	3.875
242	4.243	4.000	4.250	4.000
243	4.368	4.125	4.375	4.125
244	4.493	4.250	4.500	4.250
245	4.618	4.375	4.625	4.375
246	4.743	4.500	4.750	4.500
247	4.868	4.625	4.875	4.625
248	4.992	4.750	5.000	4.750

249	5.117	4.875	5.125	4.875
250	5.242	5.000	5.250	5.000
251	5.367	5.125	5.375	5.125
252	5.492	5.250	5.500	5.250
253	5.617	5.375	5.625	5.375
254	5.742	5.500	5.750	5.500
255	5.867	5.625	5.875	5.625
256	5.992	5.750	6.000	5.750
257	6.117	5.875	6.125	5.875
258	6.242	6.000	6.250	6.000
259	6.492	6.250	6.500	6.250
260	6.742	6.500	6.750	6.500
261	6.992	6.750	7.000	6.750
262	7.242	7.000	7.250	7.000
263	7.492	7.250	7.500	7.250
264	7.742	7.500	7.750	7.500
265	7.992	7.750	8.000	7.750
266	8.242	8.000	8.250	8.000
267	8.492	8.250	8.500	8.250
268	8.742	8.500	8.750	8.500
269	8.992	8.750	9.000	8.750
270	9.242	9.000	9.250	9.000
271	9.492	9.250	9.500	9.250
272	9.742	9.500	9.750	9.500
273	9.992	9.750	10.000	9.750
274	10.242	10.000	10.250	10.000
275	10.742	10.500	10.750	10.500
276	11.242	11.000	11.250	11.000
277	11.742	11.500	11.750	11.500
278	12.242	12.000	12.250	12.000
279	12.742	12.500	12.750	12.500
280	13.242	13.000	13.250	13.000
281	13.742	13.500	13.750	13.500

<b>3/32" Nominal Radial Cross Section</b>				
G=.141/.151		G1=.183/.193		G2=.245/.255
Military: L = .089/.091		Industrial: L = .094/.096		
Size	ØA	ØB	ØA	ØB
Dash No.	+0.002	+0.000	+0.002	+0.000
	-0.000	-0.002	-0.000	-0.002
106	.302	.124	.312	.125
107	.364	.186	.375	.187
108	.427	.249	.437	.250
109	.489	.311	.500	.312
110	.551	.373	.562	.375
111	.613	.435	.625	.437
112	.676	.498	.687	.500
113	.738	.560	.750	.562
114	.801	.623	.812	.625
115	.863	.685	.875	.687
116	.926	.748	.937	.750
117	.993	.815	1.000	.812

118	1.056	.878	1.062	.875
119	1.118	.940	1.125	.937
120	1.181	1.003	1.187	1.000
121	1.243	1.065	1.250	1.062
122	1.306	1.128	1.312	1.125
123	1.368	1.190	1.375	1.187
124	1.431	1.253	1.437	1.250
125	1.493	1.315	1.500	1.312
126	1.558	1.380	1.562	1.375
127	1.620	1.442	1.625	1.437
128	1.683	1.505	1.687	1.500
129	1.742	1.564	1.750	1.562
130	1.805	1.627	1.812	1.625
131	1.867	1.689	1.875	1.687
132	1.930	1.752	1.937	1.750
133	1.992	1.814	2.000	1.812
134	2.055	1.877	2.062	1.875
135	2.118	1.940	2.125	1.937
136	2.180	2.002	2.187	2.000
137	2.243	2.065	2.250	2.062
138	2.305	2.127	2.312	2.125
139	2.368	2.190	2.375	2.187
140	2.430	2.252	2.437	2.250
141	2.493	2.315	2.500	2.312
142	2.555	2.377	2.562	2.375
143	2.618	2.440	2.625	2.437
144	2.680	2.502	2.687	2.500
145	2.743	2.565	2.750	2.562
146	2.805	2.627	2.812	2.625
147	2.868	2.690	2.875	2.687
148	2.930	2.752	2.937	2.750
149	2.993	2.815	3.000	2.812
150	3.053	2.875	3.062	2.875
151	3.178	3.000	3.187	3.000
152	3.428	3.250	3.437	3.250
153	3.678	3.500	3.687	3.500
154	3.928	3.750	3.937	3.750
155	4.178	4.000	4.187	4.000
156	4.428	4.250	4.437	4.250
157	4.678	4.500	4.687	4.500
158	4.928	4.750	4.937	4.750
159	5.178	5.000	5.187	5.000
160	5.428	5.250	5.437	5.250
161	5.678	5.500	5.687	5.500
162	5.928	5.750	5.937	5.750
163	6.178	6.000	6.187	6.000

<b>3/16" Nominal Radial Cross Section</b>				
G=.281/.291		G1=.334/.344		G2=.424/.434
Military: L = .186/.188		Industrial: L = .188/.190		
Size	ØA	ØB	ØA	ØB
Dash No.	+002	+000	+002	+000

	-0.000	-0.002	-0.000	-0.002
313	.870	.498	.875	.500
314	.932	.560	.937	.562
315	.995	.623	1.000	.625
316	1.057	.685	1.062	.687
317	1.120	.748	1.125	.750
318	1.182	.810	1.187	.812
319	1.245	.873	1.250	.875
320	1.307	.935	1.312	.937
321	1.370	.998	1.375	1.000
322	1.495	1.123	1.500	1.125
323	1.620	1.248	1.625	1.250
324	1.745	1.373	1.750	1.375
325	1.870	1.498	1.875	1.500
326	1.995	1.623	2.000	1.625
327	2.120	1.748	2.125	1.750
328	2.245	1.873	2.250	1.875
329	2.370	1.998	2.375	2.000
330	2.495	2.123	2.500	2.125
331	2.620	2.248	2.625	2.250
332	2.745	2.373	2.750	2.375
333	2.870	2.498	2.875	2.500
334	2.995	2.623	3.000	2.625
335	3.120	2.748	3.125	2.750
336	3.245	2.873	3.250	2.875
337	3.369	2.997	3.375	3.000
338	3.494	3.122	3.500	3.125
339	3.619	3.247	3.625	3.250
340	3.744	3.372	3.750	3.375
341	3.869	3.497	3.875	3.500
342	3.994	3.622	4.000	3.625
343	4.119	3.747	4.125	3.750
344	4.244	3.872	4.250	3.875
345	4.369	3.997	4.375	4.000
346	4.494	4.122	4.500	4.125
347	4.619	4.247	4.625	4.250
348	4.744	4.372	4.750	4.375
349	4.869	4.497	4.875	4.500
350	4.997	4.625	5.000	4.625
351	5.122	4.75	5.125	4.750
352	5.247	4.875	5.250	4.875
353	5.372	5.000	5.375	5.000
354	5.497	5.125	5.500	5.125
355	5.622	5.250	5.625	5.250
356	5.747	5.375	5.750	5.375
357	5.872	5.500	5.875	5.500
358	5.997	5.625	6.000	5.625
359	6.122	5.750	6.125	5.750
360	6.247	5.875	6.250	5.875
361	6.372	6.000	6.375	6.000
362	6.622	6.250	6.625	6.250
363	6.872	6.500	6.875	6.500

364	7.122	6.750	7.125	6.750
365	7.372	7.000	7.375	7.000
366	7.622	7.250	7.625	7.250
367	7.872	7.500	7.875	7.500
368	8.122	7.750	8.125	7.750
369	8.372	8.000	8.375	8.000
370	8.622	8.250	8.625	8.250
371	8.872	8.500	8.875	8.500
372	9.122	8.750	9.125	8.750
373	9.372	9.000	9.375	9.000
374	9.622	9.250	9.625	9.250
375	9.872	9.500	9.875	9.500
376	10.122	9.750	10.125	9.750
377	10.372	10.000	10.375	10.000
378	10.622	10.250	10.625	10.250
379	10.872	10.500	10.875	10.500
380	11.122	10.750	11.125	10.750
381	11.372	11.000	11.375	11.000
382	11.622	11.250	11.625	11.250
383	11.872	11.500	11.875	11.500
384	12.122	11.750	12.125	11.750
385	12.372	12.000	12.375	12.000

1/4" Nominal Radial Cross Section				
G=.375/.385		G1=.475/.485		G2=.579/.589
Military: L = .238/.241		Industrial: L = .250/.253		
Size	ØA	ØB	ØA	ØB
Dash No.	+ .003	+ .000	+ .003	+ .000
	- .000	- .003	- .000	- .003
409	2.977	2.500	3.000	2.250
410	3.102	2.625	3.125	2.625
411	3.227	2.750	3.250	2.750
412	3.352	2.875	3.375	2.875
413	3.477	3.000	3.500	3.000
414	3.602	3.125	3.625	3.125
415	3.727	3.250	3.750	3.250
416	3.852	3.375	3.875	3.375
417	3.977	3.500	4.000	3.500
418	4.102	3.625	4.125	3.625
419	4.227	3.750	4.250	3.750
420	4.352	3.875	4.375	3.875
421	4.477	4.000	4.500	4.000
422	4.602	4.125	4.625	4.125
423	4.727	4.250	4.750	4.250
424	4.852	4.375	4.875	4.375
425	4.974	4.497	5.000	4.500
426	5.099	4.622	5.125	4.625
427	5.224	4.747	5.250	4.750
428	5.349	4.872	5.375	4.875
429	5.474	4.997	5.500	5.000
430	5.599	5.122	5.625	5.125
431	5.724	5.247	5.750	5.250
432	5.849	5.372	5.875	5.375
433	5.974	5.497	6.000	5.500
434	6.099	5.622	6.125	5.625
435	6.224	5.747	6.250	5.750

436	6.349	5.872	6.375	5.875
437	6.474	5.997	6.500	6.000
438	6.724	6.247	6.750	6.250
439	6.974	6.497	7.000	6.500
440	7.224	6.747	7.250	6.750
441	7.474	6.997	7.500	7.000
442	7.724	7.247	7.750	7.250
443	7.974	7.497	8.000	7.500
444	8.224	7.747	8.250	7.750
445	8.474	7.997	8.500	8.000
446	8.974	8.497	9.000	8.500
447	9.474	8.997	9.500	9.000
448	9.974	9.497	10.000	9.500
449	10.474	9.997	10.500	10.000
450	10.974	10.497	11.000	10.500
451	11.474	10.997	11.500	11.000
452	11.974	11.497	12.000	11.500
453	12.474	11.997	12.500	12.000
454	12.974	12.497	13.000	12.500
455	13.474	12.997	13.500	13.000
456	13.974	13.479	14.000	13.500
457	14.474	13.997	14.500	14.000
458	14.974	14.497	15.000	14.500
459	15.474	14.997	15.500	15.000
460	15.974	15.497	16.000	15.500