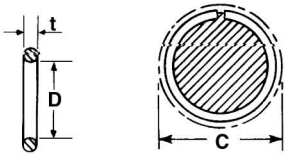
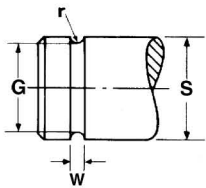




1000
ROUND SECTION
0.062" to 3.00"

Standard Material
Carbon Spring Steel

Standard Finish
Phosphate and oil



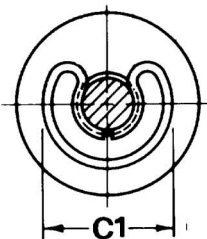
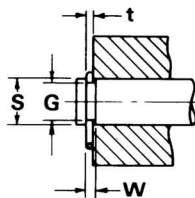
PART NUMBER	SHAFT		RING					GROOVE					
	DIAMETER S		MATERIAL DIAM. <small>WIRE THICKNESS Tolerance of +/- .002</small>	FREE DIAM.			MIN RING CLEAR	DIAMETER		WIDTH		RADIUS	Weight Per Thousand
	Frac. Inch	Dec. Inch		MAX	CENTER	MIN	C Inches	G Inches	Tol. Inches	W Inches	Tol. Inches	r Inches	
1000-6	1/16	0.062	0.0092	0.051	0.049	0.048	0.090	0.052		0.010		0.0050	0.003
1000-8	1/12	0.083	0.0092	0.072	0.070	0.068	0.111	0.073		0.010		0.0050	0.005
1000-9	3/32	0.094	0.0108	0.080	0.078	0.075	0.125	0.082		0.011		0.0055	0.006
1000-10	1/10	0.100	0.0108	0.087	0.084	0.082	0.132	0.089		0.011		0.0055	0.007
1000-12	1/8	0.125	0.0124	0.110	0.107	0.103	0.151	0.113		0.013		0.0065	0.123
1000-15	5/32	0.156	0.0124	0.138	0.134	0.130	0.191	0.143		0.013		0.0065	0.015
1000-18	3/16	0.187	0.0124	0.169	0.164	0.159	0.222	0.174		0.013		0.0065	0.078
1000-21	7/32	0.219	0.0148	0.198	0.192	0.186	0.258	0.204	+0.003	0.015	+0.003	0.0075	0.033
1000-25	1/4	0.250	0.0220	0.221	0.214	0.208	0.304	0.228	-0.000	0.023	-0.000	0.0115	0.085
1000-28	9/32	0.281	0.0220	0.251	0.243	0.236	0.346	0.259		0.023		0.0115	0.092
1000-31	5/16	0.312	0.0220	0.281	0.273	0.264	0.367	0.290		0.023		0.0115	0.103
1000-34	11/32	0.344	0.0220	0.312	0.303	0.293	0.400	0.322		0.023		0.0115	0.113
1000-37	3/8	0.375	0.0360	0.329	0.319	0.309	0.457	0.339		0.038		0.0187	0.331
1000-40	13/32	0.406	0.0360	0.359	0.350	0.341	0.489	0.370		0.038		0.0187	0.358
1000-43	7/16	0.438	0.0360	0.390	0.380	0.371	0.520	0.402		0.038		0.0187	0.386
1000-46	15/32	0.469	0.0360	0.420	0.410	0.399	0.552	0.433		0.038		0.0187	0.413
1000-50	1/2	0.500	0.0480	0.438	0.427	0.416	0.606	0.452		0.050		0.0250	0.783
1000-56	9/16	0.562	0.0480	0.498	0.486	0.473	0.668	0.514		0.050		0.0250	0.879
1000-62	5/8	0.625	0.0480	0.560	0.546	0.532	0.731	0.577		0.050		0.0250	0.979
1000-68	11/16	0.688	0.0480	0.621	0.605	0.590	0.794	0.640		0.050		0.0250	1.070
1000-75	3/4	0.750	0.0640	0.665	0.648	0.632	0.888	0.686	+0.004	0.067	+0.004	0.0335	2.090
1000-81	13/16	0.812	0.0640	0.726	0.708	0.690	0.950	0.748	-0.000	0.067	-0.000	0.0335	2.260
1000-87	7/8	0.875	0.0640	0.786	0.766	0.747	1.013	0.811		0.067		0.0335	2.430
1000-93	15/16	0.938	0.0640	0.848	0.827	0.806	1.076	0.874		0.067		0.0335	2.610
1000-100	1	1.000	0.0640	0.908	0.885	0.863	1.138	0.936		0.067		0.0335	2.780
1000-106	11/16	1.062	0.0800	0.953	0.934	0.915	1.232	0.982		0.083		0.0415	4.620
1000-112	11/8	1.125	0.0800	1.012	0.992	0.972	1.295	1.045		0.083		0.0415	4.890
1000-125	1 1/4	1.250	0.0800	1.135	1.112	1.090	1.420	1.170		0.083		0.0415	5.440
1000-137	1 3/8	1.375	0.0800	1.258	1.233	1.208	1.545	1.295		0.083		0.0415	5.990
1000-150	1 1/2	1.500	0.0800	1.380	1.352	1.325	1.670	1.420	+0.005	0.083	+0.005	0.0415	6.530
1000-162	1 5/8	1.625	0.0800	1.500	1.470	1.440	1.795	1.545	-0.000	0.083	-0.000	0.0415	7.070
1000-175	1 3/4	1.750	0.0800	1.621	1.589	1.556	1.920	1.670		0.083		0.0415	7.610
1000-187	1 7/8	1.875	0.1040	1.720	1.686	1.651	2.093	1.771		0.109		0.0545	13.79
1000-200	2	2.000	0.1040	1.840	1.803	1.766	2.218	1.896		0.109		0.0545	14.70
1000-212	2 1/8	2.125	0.1040	1.960	1.921	1.882	2.343	2.021		0.109		0.0545	15.60
1000-225	2 1/4	2.250	0.1040	2.082	2.040	1.999	2.468	2.146		0.109		0.0545	16.53
1000-237	2 3/8	2.375	0.1040	2.203	2.159	2.115	2.593	2.271		0.109		0.0545	17.44
1000-250	2 1/2	2.500	0.1040	2.324	2.278	2.231	2.718	2.396	+0.007	0.109	+0.007	0.0545	18.36
1000-262	2 5/8	2.625	0.1280	2.425	2.377	2.328	2.891	2.497	-0.000	0.133	-0.000	0.0665	29.24
1000-275	2 3/4	2.750	0.1280	2.543	2.492	2.441	3.016	2.622		0.133		0.0665	30.59
1000-287	2 7/8	2.875	0.1280	2.664	2.611	2.557	3.141	2.747		0.133		0.0665	31.98
1000-300	3	3.000	0.1280	2.785	2.729	2.674	3.266	2.872		0.133		0.0665	33.36

.125" to .625"

Standard Material
Carbon Spring Steel

† Thrust load calculations see page 5

Standard Finish
Self Finish and oil



When Sprung into Groove

PART NUMBER	SHAFT			RING				GROOVE				Tc † (lb.f)	Tg † (lb.f)	APPLI- CATOR
	DIAMETER S			THICKNESS		C	C1	DIAMETER		WIDTH				
	Frac. inches	Dec. inches	Tol. inches	t inches	Tol. inches			G inches	Tol. inches	W inches	Tol. inches			
1200-7	1/8	.125		032dia		.31	.34	.075	+0.005	.036		338	70	40
1200-11	5/32	.156		032sq		.36	.39	.115	-0.000	.036		434	63	41
1200-13	3/16	.188		036dia		.45	.49	.130		.040		603	139	42
1200-14	3/16	.188		032sq		.40	.44	.140		.036		532	84	43
1200-15	7/32	.219	+0.005	048sq		.51	.55	.150		.052		962	190	44
1200-15R	7/32	.219	-0.015	048dia		.51	.55	.150		.052		962	190	45
1200-17	7/32	.219		032sq		.48	.53	.170		.036	+0.003	600	104	46
1200-19	1/4	.250		040sq		.48	.54	.195	+0.010	.044	-0.000	915	150	47
1200-21	1/4	.250		032sq		.48	.54	.200	-0.005	.036		723	125	47
1200-21R	1/4	.250		032dia	±0.002	.48	.54	.200		.036		700	125	48
1200-22	17/64	.266		040sq		.54	.59	.210		.044		978	165	49
1200-23	9/32	.281	+0.010	048dia		.56	.61	.220		.052		1200	203	50
1200-25	5/16	.313	-0.015	040sq		.57	.63	.255		.044		1160	209	51
1200-34	3/8	.375		040sq		.69	.74	.330		.060		1400	153	51
1200-43	1/2	.500		056sq		.87	.94	.435		.044		2680	411	52
1200-52	9/16	.563	-0.015	064sq		1.03	1.1	.500	+0.015	.068	+0.004	3480	383	53A
1200-57	5/8	.625		064sq		1.12	1.2	.560	-0.010	.068	-0.000	3880	452	54A

* It is recommended that the tolerance on Groove Diameter is restricted, where necessary, to maintain the minimum groove depth quoted when using shafts smaller than nominal.

