



N1300

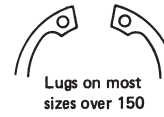
**STANDARD
INTERNAL**

0.250" to 10.00"

Standard Material
Carbon Spring Steel

Standard Finish
Phosphate and oil

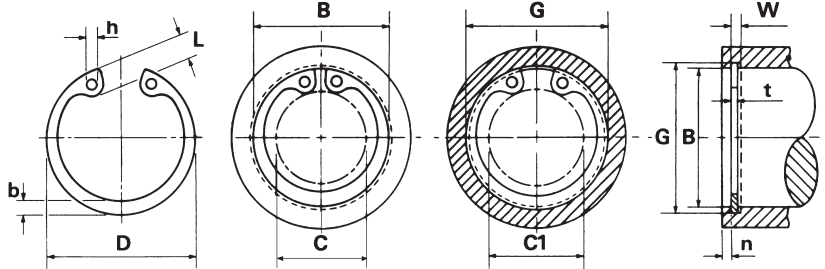
MS 16625



Lugs on most sizes over 150



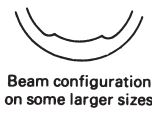
Beam configuration on some larger sizes



When Sprung into Bore When Sprung into Groove

PART NUMBER	BORE			RING								GROOVE					APPROX Wt. LB / 1000 PCS.	THRUST LOAD (LBS)	PLIER No.	
	DIAMETER B			THICKNESS		FREE DIAMETER		C	C1	L (max)	b ~	h (min)	DIAMETER		WIDTH					n (min)
	Frac. inch	Dec. inch	mm	t inches	Tol. inches	D inches	Tol. inches						G inches	Tol. inches	W inches	Tol. inches				
N1300-25	1/4	.250	-	.015		.280		.11	.13	.068	.025	.029	.268		.018	+.002	.027	.08	420	
N1300-31	5/16	.312	-	.015		.346		.17	.19	.069	.033	.029	.330	±.001	.018	-.000	.027	.11	520	
N1300-37	3/8	.375	-	.025		.415		.20	.22	.085	.040	.039	.397		.029		.033	.25	1050	
N1300-43	7/16	.438	-	.025		.482		.23	.25	.101	.049	.039	.461		.029		.036	.37	1220	
N1300-45	29/64	.453	-	.025		.498		.25	.27	.101	.050	.045	.477		.029		.036	.43	1280	
N1300-50	1/2	.500	-	.035		.548	+.010	.26	.29	.117	.053	.045	.530		.039		.045	.70	1980	
N1300-51	-	.512	13	.035		.560	-.005	.27	.30	.119	.053	.045	.542	±.002	.039		.045	.77	2030	
N1300-56	9/16	.562	-	.035		.620		.28	.32	.137	.053	.045	.596		.039		.051	.86	2220	
N1300-62	5/8	.625	-	.035		.694		.34	.39	.137	.060	.060	.665		.039		.060	1.0	2460	
N1300-68	11/16	.688	-	.035		.763		.40	.45	.137	.063	.060	.732		.039	+.003	.066	1.2	2690	Std.1
N1300-75	3/4	.750	19	.035		.831		.45	.50	.147	.070	.060	.796		.039	-.000	.069	1.3	3000	
N1300-77	-	.777	19.7	.042		.859		.48	.52	.151	.074	.060	.825		.046		.072	1.7	4550	
N1300-81	13/16	.812	-	.042		.901		.49	.53	.160	.077	.060	.862		.046		.075	1.9	4800	
N1300-86	-	.866	22	.042		.961		.54	.59	.160	.081	.060	.920		.046		.081	2.0	5100	
N1300-87	7/8	.875	-	.042	±.002	.971		.55	.60	.160	.084	.060	.931	±.003	.046		.084	2.1	5150	
N1300-90	-	.901	22.9	.042		1.000	+.015	.57	.63	.160	.087	.060	.959		.046		.087	2.2	5350	
N1300-93	15/16	.938	-	.042		1.041	-.010	.61	.67	.160	.091	.060	1.000		.046		.093	2.4	5600	
N1300-100	1	1.000	-	.042		1.111		.67	.74	.160	.104	.060	1.066		.046		.099	2.7	6000	
N1300-102	-	1.023	26	.042		1.136		.69	.76	.160	.106	.060	1.091		.046		.102	2.8	6050	
N1300-106	1 1/16	1.062	27	.050		1.180		.69	.75	.185	.110	.076	1.130		.056		.102	3.7	7500	
N1300-112	1 1/8	1.125	-	.050		1.249		.75	.82	.185	.116	.076	1.197		.056		.108	4.0	7900	
N1300-118	-	1.181	30	.050		1.319		.79	.86	.185	.120	.076	1.255		.056		.111	4.3	8400	
N1300-118	1 3/16	1.188	-	.050		1.319		.80	.87	.185	.120	.076	1.262		.056		.111	4.4	8400	
N1300-125	1 1/4	1.250	-	.050		1.388		.87	.96	.185	.124	.076	1.330		.056		.120	4.8	8800	
N1300-125	-	1.259	32	.050		1.388	+.025	.88	.97	.185	.124	.076	1.339	±.004	.056		.120	4.8	8800	
N1300-131	1 5/16	1.312	-	.050		1.456	-.020	.93	1.01	.185	.130	.076	1.396		.056		.126	5.0	9300	
N1300-137	1 3/8	1.375	-	.050		1.526		.99	1.07	.185	.130	.076	1.461		.056		.129	5.1	9700	
N1300-137	-	1.378	35	.050		1.526		.99	1.07	.185	.130	.076	1.464		.056	+.004	.129	5.1	9700	Std.3
N1300-143	1 7/16	1.438	-	.050		1.596		1.06	1.15	.185	.133	.076	1.528		.056	-.000	.135	5.8	10200	
N1300-145	-	1.456	37	.050		1.616		1.08	1.17	.185	.133	.076	1.548		.056		.138	6.4	10300	
N1300-150	1 1/2	1.500	-	.050		1.660		1.12	1.21	.185	.133	.076	1.594		.056		.141	6.5	10550	
N1300-156	1 9/16	1.562	-	.062		1.734		1.14	1.23	.205	.157	.076	1.658		.068		.144	8.9	13700	
N1300-156	-	1.575	40	.062		1.734		1.15	1.24	.205	.157	.076	1.671		.068		.144	8.9	13700	
N1300-162	1 5/8	1.625	-	.062		1.804		1.15	1.25	.205	.160	.076	1.725		.068		.150	10.0	14200	
N1300-165	-	1.653	42	.062		1.835		1.17	1.27	.205	.167	.076	1.755		.068		.153	10.4	14500	
N1300-168	1 11/16	1.688	-	.062		1.874		1.23	1.33	.205	.170	.076	1.792		.068		.156	10.8	14800	
N1300-175	1 3/4	1.750	-	.062		1.942	+.035	1.26	1.36	.205	.175	.076	1.858	±.005	.068		.162	10.3	15300	
N1300-181	1 13/16	1.812	-	.062		2.012	-.025	1.32	1.43	.205	.170	.091	1.922		.068		.165	11.5	15900	
N1300-185	-	1.850	47	.062		2.054		1.34	1.45	.205	.170	.091	1.962		.068		.168	12.8	16200	
N1300-187	1 7/8	1.875	-	.062		2.072		1.37	1.48	.205	.170	.091	1.989		.068		.171	12.8	16450	
N1300-193	1 15/16	1.938	-	.062		2.141		1.44	1.56	.205	.165	.091	2.056		.068		.177	13.3	17000	
N1300-200	2	2.000	-	.062		2.210		1.50	1.62	.205	.170	.091	2.122		.068		.183	14.0	17500	
N1300-206	-	2.047	52	.078	±.003	2.280		1.52	1.64	.225	.186	.091	2.171		.086		.186	18.0	22700	
N1300-206	2 1/16	2.062	-	.078		2.280		1.54	1.66	.225	.186	.091	2.186		.086		.186	18.0	22750	
N1300-212	2 1/8	2.125	-	.078		2.350		1.58	1.70	.236	.195	.091	2.251		.086		.189	19.4	23400	
N1300-218	-	2.165	55	.078		2.415		1.61	1.74	.236	.199	.091	2.295		.086		.195	19.6	24100	
N1300-218	2 3/16	2.188	-	.078		2.415		1.64	1.77	.236	.199	.091	2.318		.086		.195	19.6	24200	
N1300-225	2 1/4	2.250	-	.078		2.490		1.69	1.82	.236	.203	.091	2.382		.086	+.005	.198	21.8	24850	Std.5
N1300-231	2 5/16	2.312	-	.078		2.560		1.75	1.88	.236	.205	.091	2.450		.086	-.000	.207	22.6	25400	
N1300-237	2 3/8	2.375	-	.078		2.630		1.81	1.95	.236	.207	.091	2.517	±.006	.086		.213	23.2	26150	
N1300-244	2 7/16	2.438	-	.078		2.702	+.040	1.86	2.00	.236	.205	.108	2.584		.086		.216	25.4	26900	
N1300-250	2 1/2	2.500	-	.078		2.775	-.030	1.91	2.05	.236	.210	.108	2.648		.086		.222	25.5	27600	
N1300-250	2 17/32	2.531	-	.078		2.775		1.94	2.09	.236	.210	.108	2.681		.086		.222	25.5	27650	
N1300-256	2 9/16	2.562	-	.093		2.844		1.95	2.10	.268	.222	.108	2.714		.103		.228	34.0	33700	
N1300-262	2 5/8	2.625	-	.093		2.910		2.02	2.17	.268	.226	.108	2.781		.103		.234	34.5	34500	





0.250" to 10.00"

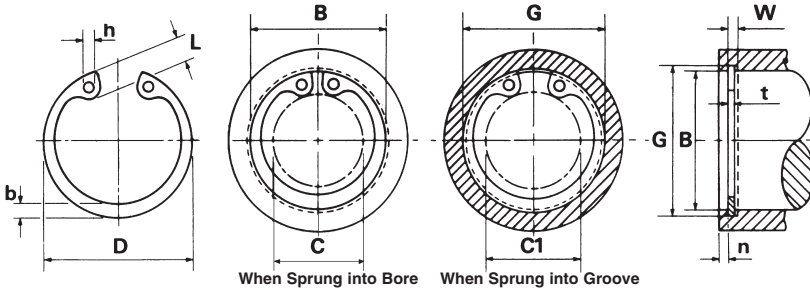
Standard Material
Carbon Spring Steel

Standard Finish
Phosphate and oil

MS 16625



**STANDARD
INTERNAL**



PART NUMBER	BORE			RING								GROOVE				APPROX Wt. LB / 1000 PCS.	THRUST LOAD (LBS)	PLIER No.		
	DIAMETER B			THICKNESS		FREE DIAMETER						DIAMETER		WIDTH						
	Frac. inch	Dec. inch	mm	t inches	Tol. inches	D inches	Tol. inches	C	C1	L (max)	b ~	h (min)	G inches	Tol. inches	W inches				Tol. inches	n (min)
N1300-268	-	2.677	68	.093		2.980		2.05	2.21	.268	.236	.108	2.837		.103		.240	35.0	35400	
N1300-268	2 ¹¹ / ₁₆	2.688	-	.093		2.980	+ .040	2.06	2.22	.268	.236	.108	2.848		.103		.240	35.0	35400	
N1300-275	2 ³ / ₄	2.750	-	.093		3.050	- .030	2.12	2.28	.284	.234	.108	2.914		.103		.246	35.5	36100	
N1300-281	2 ¹³ / ₁₆	2.812	-	.093		3.121		2.18	2.34	.284	.230	.108	2.980		.103		.252	36.0	36900	
N1300-281	-	2.835	72	.093		3.121		2.21	2.38	.284	.230	.108	3.006		.103		.252	36.0	36950	
N1300-287	2 ⁷ / ₈	2.875	-	.093		3.191		2.22	2.39	.284	.240	.108	3.051		.103		.264	41.0	37800	
N1300-300	-	2.953	75	.093		3.325		2.30	2.48	.284	.250	.108	3.135		.103		.273	42.5	39500	Std. 5
N1300-300	3	3.000	-	.093		3.325		2.35	2.53	.284	.250	.108	3.182		.103		.273	42.5	39500	
N1300-306	3 ¹ / ₁₆	3.062	-	.109		3.418		2.41	2.59	.299	.254	.123	3.248		.120		.279	53.0	47100	
N1300-312	3 ¹ / ₈	3.125	-	.109		3.488		2.47	2.66	.299	.260	.123	3.315		.120		.285	56.0	48000	
N1300-315	-	3.150	80	.109		3.523		2.49	2.68	.299	.260	.123	3.341		.120		.288	57.0	48600	
N1300-315	3 ⁵ / ₃₂	3.156	-	.109		3.523		2.50	2.69	.299	.260	.123	3.348		.120		.288	57.0	48600	
N1300-325	3 ¹ / ₄	3.250	-	.109		3.623		2.54	2.73	.299	.269	.123	3.446		.120	+ .005	.294	60.0	50000	
N1300-334	3 ¹¹ / ₃₂	3.346	-	.109		3.734	± .055	2.63	2.83	.323	.276	.123	3.546		.120	- .000	.300	65.0	51600	
N1300-347	3 ¹⁵ / ₃₂	3.469	-	.109		3.857		2.76	2.96	.350	.294	.123	3.675	± .006	.120		.309	69.0	53400	
N1300-350	3 ¹ / ₂	3.500	-	.109	± .003	3.890		2.79	3.00	.350	.294	.123	3.710		.120		.315	71.0	53900	
N1300-354	-	3.543	90	.109		3.936		2.83	3.04	.350	.292	.123	3.755		.120		.321	72.0	54600	
N1300-354	3 ⁹ / ₁₆	3.562	-	.109		3.936		2.85	3.06	.350	.292	.123	3.776		.120		.321	72.0	54650	
N1300-362	3 ⁵ / ₈	3.625	-	.109		4.024		2.91	3.12	.350	.305	.123	3.841		.120		.324	73.0	55900	
N1300-375	-	3.740	95	.109		4.157		3.02	3.24	.350	.309	.123	3.964		.120		.336	78.0	57700	
N1300-375	3 ³ / ₄	3.750	-	.109		4.157		3.03	3.25	.350	.309	.123	3.974		.120		.336	78.0	57700	
N1300-387	3 ⁷ / ₈	3.875	-	.109		4.291		3.11	3.34	.350	.312	.123	4.107		.120		.348	87.0	59600	
N1300-393	3 ¹⁵ / ₁₆	3.938	-	.109		4.358		3.17	3.40	.350	.319	.123	4.174		.120		.354	88.0	60700	
N1300-400	4	4.000	-	.109		4.424		3.23	3.47	.378	.330	.123	4.240		.120		.360	93.0	61700	
N1300-412	4 ¹ / ₈	4.125	-	.109		4.558		3.36	3.60	.378	.330	.123	4.365		.120		.360	97.0	63600	
N1300-425	4 ¹ / ₄	4.250	-	.109		4.691		3.48	3.72	.378	.335	.123	4.490		.120		.360	101.0	65500	
N1300-433	-	4.331	110	.109		4.756	± .065	3.50	3.74	.413	.338	.151	4.571		.120		.360	105.0	66600	
N1300-450	4 ¹ / ₂	4.500	-	.109		4.940		3.66	3.90	.413	.351	.151	4.740		.120		.360	111.0	69300	
N1300-462	4 ⁵ / ₈	4.625	-	.109		5.076		3.79	4.03	.413	.350	.151	4.865		.120		.360	117.0	71300	
N1300-475	-	4.724	120	.109		5.213		3.88	4.12	.413	.358	.151	4.969		.120		.366	124.0	73200	
N1300-475	4 ³ / ₄	4.750	-	.109		5.213		3.90	4.14	.413	.358	.151	4.995		.120		.366	124.0	73200	
N1300-500	5	5.000	127	.109		5.485		4.08	4.34	.445	.385	.151	5.260		.120		.405	136.0	77000	
N1300-525	5 ¹ / ₄	5.250	-	.125		5.770		4.31	4.58	.465	.408	.151	5.520		.139		.405	174.0	92700	
N1300-537	5 ³ / ₈	5.375	-	.125		5.910		4.41	4.68	.465	.408	.151	5.650		.139		.405	179.0	94900	Major 77
N1300-550	5 ¹ / ₂	5.500	-	.125	± .004	6.066		4.53	4.80	.465	.408	.151	5.770	± .007	.139	+ .006	.405	183.0	97200	
N1300-575	5 ³ / ₄	5.750	146	.125		6.336		4.78	5.05	.465	.408	.151	6.020		.139	- .000	.405	192.0	101600	
N1300-600	6	6.000	-	.125		6.620		5.03	5.30	.465	.416	.151	6.270		.139		.405	201.0	105900	
N1300-625	6 ¹ / ₄	6.250	-	.156		6.895		5.24	5.52	.454	.441	.182	6.530		.174		.420	266.0	137700	
N1300-650	6 ¹ / ₂	6.500	165	.156		7.170		5.49	5.78	.454	.441	.182	6.790		.174		.435	281.0	143300	
N1300-662	6 ⁵ / ₈	6.625	-	.156		7.308	± .080	5.60	5.90	.454	.441	.182	6.925		.174		.450	305.0	146000	
N1300-675	6 ³ / ₄	6.750	-	.156		7.445		5.65	5.95	.508	.456	.182	7.055		.174		.456	325.0	148800	
N1300-700	7	7.000	-	.156		7.720		5.88	6.19	.540	.474	.182	7.315		.174		.471	344.0	154000	
N1300-725	7 ¹ / ₄	7.250	-	.187		7.995		6.08	6.40	.570	.490	.182	7.575		.209		.486	428.0	191500	
N1300-750	7 ¹ / ₂	7.500	-	.187		8.270		6.33	6.67	.570	.507	.182	7.840		.209		.510	485.0	198200	
N1300-775	7 ³ / ₄	7.750	-	.187	± .005	8.545		6.58	6.93	.560	.500	.182	8.100		.209		.525	520.0	204800	
N1300-800	8	8.000	-	.187		8.820		6.75	7.11	.600	.530	.182	8.360	± .008	.209	+ .008	.540	555.0	211400	
N1300-825	8 ¹ / ₄	8.250	-	.187		9.095		7.00	7.37	.600	.548	.182	8.620		.209	- .000	.555	603.0	218000	
N1300-850	8 ¹ / ₂	8.500	-	.187		9.285		7.13	7.51	.632	.573	.182	8.880		.209		.570	634.0	224600	
N1300-875	8 ³ / ₄	8.750	-	.187		9.558	± .090	7.38	7.77	.632	.576	.182	9.145		.209		.591	653.0	230400	
N1300-900	9	9.000	-	.187		9.830		7.63	8.03	.632	.592	.182	9.405		.209		.606	732.0	237800	
N1300-925	9 ¹ / ₄	9.250	235	.187		10.102		7.88	8.30	.632	.622	.182	9.668		.209		.627	767.0	244000	
N1300-950	9 ¹ / ₂	9.500	-	.187		10.375		7.98	8.41	.632	.622	.182	9.930		.209		.645	803.0	251000	
N1300-975	9 ³ / ₄	9.750	-	.187		10.648		8.23	8.67	No	.622	.182	10.190		.209		.660	833.0	257600	
N1300-1000	10	10.000	-	.187		10.920		8.48	8.93	Lug	.622	.182	10.450		.209		.675	863.0	264200	