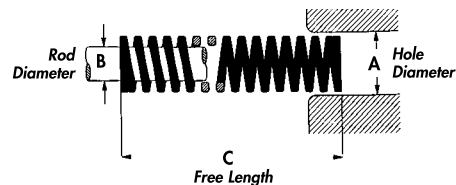


MEDIUM LOAD

Vacuum degassed,
valve spring quality alloy steel



Sizes: 3/8" to 1", Rectangular Wire Construction

Color: Blue

Hole Dia. in.	Rod Dia. in.	Free Length in.	CATALOG NUMBER	RATE Pounds Required to Deflect 1/10 in.	LOAD - DEFLECTION TABLE							
					Total Deflection Recommended for Long Life (25% of C)		Total Deflection Recommended for Average Life (30% of C)		Maximum Operating Deflection (37.5% of C)		Total Travel to Solid	
					Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches
Rectangular Wire Construction												
3/8	3/16	1	9-0604-ME	9.1	23	0.25	27	0.30	34	0.38	40	0.43
		1 1/4	9-0605-ME	7.4	23	0.31	28	0.38	35	0.47	53	0.71
		1 1/2	9-0606-ME	6.8	25	0.38	31	0.45	38	0.56	53	0.79
		1 3/4	9-0607-ME	5.9	26	0.44	31	0.53	39	0.66	51	0.87
		2	9-0608-ME	5.1	25	0.50	30	0.60	38	0.75	52	1.02
		2 1/2	9-0610-ME	4.3	27	0.63	32	0.75	40	0.94	54	1.26
		3	9-0612-ME	3.0	23	0.75	27	0.90	34	1.13	45	1.50
		12	9-0648-ME	0.9	27	3.00	33	3.60	41	4.50	54	5.87
1/2	9/32	1	9-0804-ME	17.1	43	0.25	51	0.30	64	0.38	88	0.51
		1 1/4	9-0805-ME	14.2	44	0.31	53	0.38	66	0.47	100	0.71
		1 1/2	9-0806-ME	12.2	46	0.38	55	0.45	69	0.56	96	0.79
		1 3/4	9-0807-ME	10.6	46	0.44	55	0.53	69	0.66	100	0.94
		2	9-0808-ME	8.8	44	0.50	53	0.60	66	0.75	98	1.10
		2 1/2	9-0810-ME	6.9	43	0.63	52	0.75	65	0.94	95	1.38
		3	9-0812-ME	5.8	44	0.75	52	0.90	65	1.13	94	1.61
		3 1/2	9-0814-ME	4.8	42	0.88	50	1.05	63	1.31	92	1.93
12	9-0848-ME	1.2	36	3.00	43	3.60	54	4.50	70	5.87		
5/8	11/32	1	9-1004-ME	28.2	70	0.25	85	0.30	106	0.38	133	0.47
		1 1/4	9-1005-ME	21.2	66	0.31	79	0.38	99	0.47	125	0.59
		1 1/2	9-1006-ME	19.3	73	0.38	87	0.45	109	0.56	145	0.75
		1 3/4	9-1007-ME	17.1	75	0.44	90	0.53	112	0.66	142	0.83
		2	9-1008-ME	15.1	75	0.50	90	0.60	113	0.75	148	0.98
		2 1/2	9-1010-ME	11.7	73	0.63	88	0.75	110	0.94	147	1.26
		3	9-1012-ME	10.2	76	0.75	91	0.90	114	1.13	156	1.54
		3 1/2	9-1014-ME	8.7	76	0.88	91	1.05	114	1.31	154	1.77
4	9-1016-ME	7.7	77	1.00	92	1.20	116	1.50	161	2.09		
12	9-1048-ME	2.7	82	3.00	99	3.60	123	4.50	162	5.91		
3/4	3/8	1	9-1204-M	51.5	129	0.25	155	0.30	193	0.38	223	0.43
		1 1/4	9-1205-M	39.0	122	0.31	146	0.38	183	0.47	200	0.51
		1 1/2	9-1206-M	31.4	118	0.38	142	0.45	177	0.56	198	0.63
		1 3/4	9-1207-M	25.7	112	0.44	135	0.53	169	0.66	192	0.75
		2	9-1208-M	22.2	111	0.50	133	0.60	167	0.75	184	0.83
		2 1/2	9-1210-M	17.4	108	0.63	130	0.75	163	0.94	184	1.06
		3	9-1212-M	14.2	106	0.75	127	0.90	159	1.13	184	1.30
		3 1/2	9-1214-M	12.2	106	0.88	128	1.05	160	1.31	187	1.54
		4	9-1216-M	10.6	106	1.00	127	1.20	159	1.50	184	1.73
		4 1/2	9-1218-M	9.3	105	1.13	126	1.35	157	1.69	180	1.93
		5	9-1220-M	8.4	105	1.25	126	1.50	157	1.88	182	2.17
		5 1/2	9-1222-M	7.6	104	1.38	125	1.65	157	2.06	182	2.40
		6	9-1224-M	6.8	103	1.50	123	1.80	154	2.25	178	2.60
		12	9-1248-M	3.5	104	3.00	125	3.60	156	4.50	185	5.35
1	1/2	1	9-1604-M	86.0	215	0.25	258	0.30	323	0.38	372	0.43
		1 1/4	9-1605-M	67.6	211	0.31	254	0.38	317	0.47	346	0.51
		1 1/2	9-1606-M	53.3	200	0.38	240	0.45	300	0.56	336	0.63
		1 3/4	9-1607-M	47.5	208	0.44	249	0.53	312	0.66	355	0.75
		2	9-1608-M	39.3	197	0.50	236	0.60	295	0.75	325	0.83
		2 1/2	9-1610-M	30.4	190	0.63	228	0.75	285	0.94	323	1.06
		3	9-1612-M	24.7	185	0.75	222	0.90	278	1.13	321	1.30
		3 1/2	9-1614-M	21.7	190	0.88	228	1.05	285	1.31	333	1.54
		4	9-1616-M	18.8	188	1.00	226	1.20	283	1.50	326	1.73
		4 1/2	9-1618-M	16.7	188	1.13	226	1.35	282	1.69	329	1.97
		5	9-1620-M	15.1	188	1.25	226	1.50	283	1.88	332	2.20
		5 1/2	9-1622-M	13.6	187	1.38	224	1.65	280	2.06	337	2.48
		6	9-1624-M	12.4	187	1.50	224	1.80	280	2.25	328	2.64
		7	9-1628-M	10.6	185	1.75	222	2.10	277	2.63	328	3.11
8	9-1632-M	9.1	182	2.00	219	2.40	273	3.00	323	3.54		
12	9-1648-M	6.0	179	3.00	215	3.60	269	4.50	317	5.31		

Sizes: 1 1/4" to 2 1/2", Rectangular Wire Construction

Sizes: 3/8" to 5/8", Round Wire Construction

Color: Blue

Hole Dia. in.	Rod Dia. in.	Free Length in.	CATALOG NUMBER	RATE Pounds Required to Deflect 1/10 in.	LOAD - DEFLECTION TABLE							
					Total Deflection Recommended for Long Life (25% of C)		Total Deflection Recommended for Average Life (30% of C)		Maximum Operating Deflection (37.5% of C)		Total Travel to Solid	
					Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches
A	B	C										
1 1/4	5/8	1 1/2	9-2006-M	94.7	355	0.38	426	0.45	533	0.56	597	0.63
		1 3/4	9-2007-M	77.9	341	0.44	409	0.53	511	0.66	582	0.75
		2	9-2008-M	66.2	331	0.50	397	0.60	497	0.75	547	0.83
		2 1/2	9-2010-M	50.0	312	0.63	375	0.75	469	0.94	531	1.06
		3	9-2012-M	40.5	304	0.75	365	0.90	456	1.13	511	1.26
		3 1/2	9-2014-M	34.2	299	0.88	359	1.05	449	1.31	498	1.46
		4	9-2016-M	29.6	296	1.00	355	1.20	444	1.50	501	1.69
		4 1/2	9-2018-M	26.3	296	1.13	355	1.35	444	1.69	507	1.93
		5	9-2020-M	23.7	296	1.25	355	1.50	444	1.88	513	2.17
		5 1/2	9-2022-M	21.4	294	1.38	353	1.65	441	2.06	505	2.36
		6	9-2024-M	19.3	290	1.50	348	1.80	435	2.25	503	2.60
		7	9-2028-M	16.6	290	1.75	348	2.10	436	2.63	503	3.03
8	9-2032-M	14.4	288	2.00	345	2.40	432	3.00	499	3.46		
10	9-2040-M	11.4	284	2.50	341	3.00	426	3.75	492	4.33		
12	9-2048-M	9.5	285	3.00	342	3.60	427	4.50	497	5.24		
1 1/2	3/4	2	9-2408-M	97.4	487	0.50	585	0.60	731	0.75	805	0.83
		2 1/2	9-2410-M	73.6	460	0.63	552	0.75	690	0.94	753	1.02
		3	9-2412-M	60.1	451	0.75	541	0.90	676	1.13	757	1.26
		3 1/2	9-2414-M	50.2	439	0.88	527	1.05	658	1.31	731	1.46
		4	9-2416-M	43.4	434	1.00	521	1.20	651	1.50	735	1.69
		4 1/2	9-2418-M	38.0	427	1.13	513	1.35	641	1.69	718	1.89
		5	9-2420-M	33.9	424	1.25	509	1.50	636	1.88	721	2.13
		5 1/2	9-2422-M	30.6	421	1.38	505	1.65	631	2.06	710	2.32
		6	9-2424-M	28.0	420	1.50	504	1.80	631	2.25	717	2.56
		7	9-2428-M	23.7	415	1.75	497	2.10	622	2.63	709	2.99
		8	9-2432-M	20.7	413	2.00	496	2.40	620	3.00	708	3.43
		10	9-2440-M	16.6	414	2.50	497	3.00	621	3.75	717	4.33
12	9-2448-M	13.5	406	3.00	487	3.60	609	4.50	698	5.16		
2	1	2 1/2	9-3210-M	121	755	0.63	906	0.75	1133	0.94	1284	1.06
		3	9-3212-M	95.6	717	0.75	860	0.90	1075	1.13	1204	1.26
		3 1/2	9-3214-M	80.1	701	0.88	841	1.05	1052	1.31	1167	1.46
		4	9-3216-M	69.4	694	1.00	833	1.20	1041	1.50	1175	1.69
		4 1/2	9-3218-M	61.1	688	1.13	825	1.35	1032	1.69	1179	1.93
		5	9-3220-M	54.0	675	1.25	810	1.50	1012	1.88	1148	2.13
		5 1/2	9-3222-M	48.7	670	1.38	804	1.65	1005	2.06	1132	2.32
		6	9-3224-M	44.6	669	1.50	802	1.80	1003	2.25	1158	2.60
		7	9-3228-M	37.9	663	1.75	796	2.10	994	2.63	1148	3.03
		8	9-3232-M	32.8	656	2.00	788	2.40	985	3.00	1137	3.46
		9	9-3236-M	29.0	652	2.25	783	2.70	979	3.38	1141	3.94
		10	9-3240-M	26.1	653	2.50	784	3.00	980	3.75	1204	4.61
12	9-3248-M	22.1	664	3.00	797	3.60	997	4.50	1168	5.28		
2 1/2	1 1/2	3	9-4012-M	174	1302	0.75	1562	0.90	1953	1.13	2187	1.26
		3 1/2	9-4014-M	143	1247	0.88	1496	1.05	1870	1.31	2132	1.50
		4	9-4016-M	121	1208	1.00	1450	1.20	1812	1.50	2093	1.73
		4 1/2	9-4018-M	106	1194	1.13	1433	1.35	1791	1.69	2090	1.97
		5	9-4020-M	93.7	1171	1.25	1406	1.50	1757	1.88	2066	2.20
		6	9-4024-M	75.7	1136	1.50	1363	1.80	1704	2.25	1998	2.64
		7	9-4028-M	63.7	1115	1.75	1338	2.10	1672	2.63	1956	3.07
		8	9-4032-M	54.9	1098	2.00	1318	2.40	1647	3.00	1945	3.54
		9	9-4036-M	48.7	1095	2.25	1314	2.70	1643	3.38	1955	4.02
		10	9-4040-M	43.8	1094	2.50	1313	3.00	1642	3.75	1982	4.53
		12	9-4048-M	36.2	1086	3.00	1303	3.60	1628	4.50	1966	5.43
		Round Wire Construction										
3/8	3/16	1	9-0604-M	7.1	18	0.25	21	0.30	27	0.38	31	0.43
		1 1/4	9-0605-M	5.5	17	0.31	21	0.38	26	0.47	28	0.51
		1 1/2	9-0606-M	4.5	17	0.38	20	0.45	25	0.56	28	0.63
		1 3/4	9-0607-M	3.8	17	0.44	20	0.53	25	0.66	28	0.75
		2	9-0608-M	3.3	16	0.50	20	0.60	25	0.75	27	0.83
		2 1/2	9-0610-M	2.6	16	0.63	19	0.75	24	0.94	27	1.06
		3	9-0612-M	2.1	16	0.75	19	0.90	24	1.13	27	1.30
		12	9-0648-M	0.5	15	3.00	18	3.60	23	4.50	27	5.35
1/2	9/32	1	9-0804-M	13.0	32	0.25	39	0.30	49	0.38	56	0.43
		1 1/4	9-0805-M	10.0	31	0.31	37	0.38	47	0.47	51	0.51
		1 1/2	9-0806-M	8.1	30	0.38	36	0.45	46	0.56	51	0.63
		1 3/4	9-0807-M	6.7	29	0.44	35	0.53	44	0.66	50	0.75
		2	9-0808-M	5.8	29	0.50	35	0.60	43	0.75	50	0.87
		2 1/2	9-0810-M	4.5	28	0.63	34	0.75	42	0.94	50	1.10
		3	9-0812-M	3.7	28	0.75	33	0.90	42	1.13	50	1.34
		3 1/2	9-0814-M	3.2	28	0.88	34	1.05	43	1.31	52	1.61
12	9-0848-M	0.9	27	3.00	33	3.60	41	4.50	52	5.67		
5/8	11/32	1	9-1004-M	19.3	48	0.25	58	0.30	72	0.38	84	0.43
		1 1/4	9-1005-M	14.3	45	0.31	54	0.38	67	0.47	73	0.51
		1 1/2	9-1006-M	11.5	43	0.38	52	0.45	65	0.56	72	0.63
		1 3/4	9-1007-M	9.5	42	0.44	50	0.53	63	0.66	71	0.75
		2	9-1008-M	8.1	40	0.50	49	0.60	61	0.75	67	0.83
		2 1/2	9-1010-M	6.3	39	0.63	47	0.75	59	0.94	67	1.06
		3	9-1012-M	5.1	38	0.75	46	0.90	57	1.13	66	1.30
		3 1/2	9-1014-M	4.3	38	0.88	46	1.05	57	1.31	67	1.54
		4	9-1016-M	3.8	38	1.00	46	1.20	57	1.50	68	1.77
		12	9-1048-M	1.2	36	3.00	43	3.60	54	4.50	65	5.43

INCH