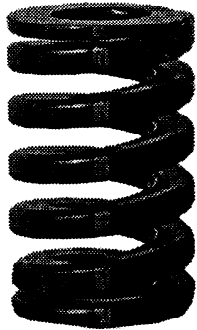


EXTRA HEAVY LOAD

Vacuum degassed, valve spring quality alloy steel

Sizes: 3/8" to 2"
Rectangular Wire Construction

ISO
Color: Yellow



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 (17 % of C)		Total Deflection Recommended for Average Life (20 % of C)		Maximum Operating Deflection (25 % 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										
3/8	3/16	1	9-0604-X	18.27	31.03	0.17	36.51	0.20	45.64	0.24	63.62	0.34
		1 1/4	9-0605-X	14.11	30.69	0.22	36.11	0.26	45.14	0.31	59.35	0.41
		1 1/2	9-0606-X	11.75	30.37	0.26	35.75	0.30	44.67	0.37	62.05	0.52
		1 3/4	9-0607-X	10.06	30.15	0.30	35.48	0.35	44.33	0.43	60.48	0.59
		2	9-0608-X	8.43	29.16	0.34	34.29	0.39	42.87	0.51	57.10	0.67
		2 1/2	9-0610-X	6.74	29.27	0.43	34.44	0.51	43.03	0.63	57.78	0.85
		3	9-0612-X	5.62	28.96	0.51	34.06	0.59	42.58	0.75	59.35	1.04
		12	9-0648-X	1.35	27.63	2.05	32.51	2.40	40.63	2.99	56.43	4.17
1/2	9/32	1	9-0804-X	32.82	55.78	0.17	65.63	0.20	82.01	0.24	118.03	0.35
		1 1/4	9-0805-X	24.96	54.27	0.22	63.85	0.26	79.81	0.31	107.69	0.43
		1 1/2	9-0806-X	20.23	52.29	0.26	61.51	0.30	76.89	0.37	105.22	0.51
		1 3/4	9-0807-X	17.37	51.89	0.30	61.04	0.35	76.30	0.43	107.46	0.61
		2	9-0808-X	15.18	52.63	0.34	61.92	0.39	77.41	0.51	109.26	0.71
		2 1/2	9-0810-X	12.14	52.83	0.43	62.16	0.51	77.70	0.63	106.79	0.87
		3	9-0812-X	10.00	51.57	0.51	60.68	0.59	75.83	0.75	107.69	1.06
		3 1/2	9-0814-X	8.54	51.78	0.59	60.90	0.71	76.12	0.87	112.86	1.30
		12	9-0848-X	2.42	49.60	2.05	58.36	2.40	72.93	2.99	107.24	4.41
5/8	11/32	1	9-1004-X	70.54	119.92	0.17	141.07	0.20	176.35	0.24	254.05	0.35
		1 1/4	9-1005-X	52.16	113.51	0.22	133.54	0.26	166.93	0.31	225.27	0.43
		1 1/2	9-1006-X	42.10	108.81	0.26	128.01	0.30	160.00	0.37	218.97	0.51
		1 3/4	9-1007-X	35.41	105.89	0.30	124.57	0.35	155.71	0.43	212.23	0.59
		2	9-1008-X	30.97	107.37	0.34	126.33	0.39	157.91	0.51	223.02	0.71
		2 1/2	9-1010-X	24.11	104.95	0.43	123.47	0.51	154.34	0.63	212.23	0.87
		3	9-1012-X	19.84	102.45	0.51	120.53	0.59	150.65	0.75	210.21	1.04
		3 1/2	9-1014-X	16.75	101.42	0.59	119.31	0.71	149.15	0.87	211.11	1.24
		4	9-1016-X	14.67	101.69	0.67	119.63	0.79	149.55	1.02	214.03	1.44
		12	9-1048-X	4.78	98.56	2.05	115.96	2.40	144.94	2.99	209.08	4.33
3/4	3/8	1	9-1204-X	164.68	279.97	0.17	329.36	0.20	411.71	0.24	507.19	0.30
		1 1/4	9-1205-X	125.90	273.97	0.22	322.30	0.26	402.88	0.31	493.48	0.39
		1 1/2	9-1206-X	99.48	257.06	0.26	302.43	0.30	378.04	0.37	477.52	0.47
		1 3/4	9-1207-X	83.75	250.56	0.30	294.78	0.35	368.48	0.43	468.97	0.55
		2	9-1208-X	71.94	249.51	0.34	293.53	0.39	366.91	0.51	460.43	0.63
		2 1/2	9-1210-X	55.64	242.15	0.43	284.89	0.51	356.12	0.63	467.40	0.83
		3	9-1212-X	45.92	237.32	0.51	279.18	0.59	348.99	0.75	459.31	0.98
		3 1/2	9-1214-X	39.06	236.40	0.59	278.12	0.71	347.66	0.87	468.75	1.18
		4	9-1216-X	34.06	236.24	0.67	277.92	0.79	347.41	1.02	463.13	1.34
		4 1/2	9-1218-X	29.79	232.96	0.79	274.06	0.91	342.58	1.14	452.79	1.50
		5	9-1220-X	26.75	230.80	0.87	271.54	0.98	339.41	1.26	459.76	1.69
		5 1/2	9-1222-X	24.17	230.06	0.94	270.68	1.10	338.35	1.38	454.36	1.85
6	9-1224-X	21.92	226.57	1.02	266.55	1.18	333.18	1.50	447.17	2.01		
12	9-1248-X	11.92	247.12	2.05	290.74	2.40	363.42	2.99	500.45	4.13		