

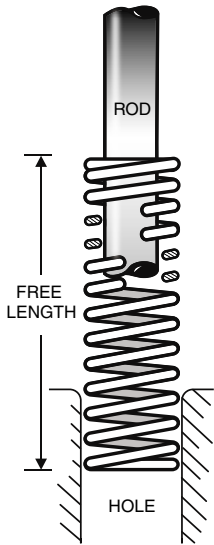
LOAD DEFLECTION

***Maximum Deflection
(50% of free length)**

**For Long Life
(35% of free length)**

**Maximum Operation Def.
(40% of free length)**

**For Optimum Life
(25% of free length)**



HOLE (O.D.) x ROD (I.D.)	Length	Producto Part#	Box Qty	Load Deflection Table		
				Max. Oper Def 40% of free length	Load at 1/10" (lb.)	
3/8 x 3/16 x Wire Size .039 x .070	1	MP02	200	24.0	6.0	
	1 1/4	MP02A	200	27.0	5.4	
	1 1/2	MP03	100	24.0	4.0	
	1 3/4	MP03A	100	23.8	3.4	
	2	MP04	100	22.4	2.8	
	2 1/2	MP05	100	24.0	2.4	
	3	MP06	100	25.2	2.1	
	12	MP024	50	28.8	0.6	
1/2 x 9/32 x Wire Size .052 x .093	1	MP12	100	44.0	11.0	
	1 1/4	MP12A	100	41.0	8.2	
	1 1/2	MP13	100	40.8	6.8	
	1 3/4	MP13A	100	42.0	6.0	
	2	MP14	100	44.0	5.5	
	2 1/2	MP15	50	45.0	4.5	
	3	MP16	50	42.0	3.5	
	3 1/2	MP17	50	42.0	3.0	
	4 1/2	MP19	50	45.0	2.5	
	5 1/2	MP111	50	46.2	2.1	
	6 1/2	MP113	50	36.4	1.4	
	7 1/2	MP115	50	36.0	1.2	
12	MP124	50	33.6	0.7		
5/8 x 11/32 x Wire Size .069 x .109	1	MP22	100	65.6	16.4	
	1 1/4	MP22A	100	64.0	12.8	
	1 1/2	MP23	50	64.8	10.8	
	1 3/4	MP23A	50	67.2	9.6	
	2	MP24	50	70.4	8.8	
	2 1/2	MP25	50	60.0	6.0	
	3	MP26	50	67.2	5.6	
	3 1/2	MP27	50	67.2	4.8	
	4	MP28	50	70.4	4.4	
	12	MP224	50	76.8	1.6	
	3/4 x 3/8 x Wire Size .075 x .165	1	MP32	50	124.8	31.2
		1 1/4	MP32A	50	128.0	25.6
1 1/2		MP33	50	120.0	20.0	
1 3/4		MP33A	50	123.2	17.6	
2		MP34	50	115.2	14.4	
2 1/2		MP35	50	120.0	12.0	
3		MP36	50	115.2	9.6	
3 1/2		MP37	50	112.0	8.0	
4		MP38	50	115.2	7.2	
4 1/2		MP39	50	115.2	6.4	
5		MP310	50	120.0	6.0	
5 1/2		MP311	50	121.0	5.5	
6	MP312	50	120.0	5.0		
6 1/2	MP313	50	117.0	4.5		
7 1/2	MP315	50	114.0	3.8		
12	MP324	50	115.2	2.4		
1 x 1/2 x Wire Size .100 x .215	1	MP42	50	220.0	55.0	
	1 1/4	MP42A	50	225.0	45.0	
	1 1/2	MP43	50	210.0	35.0	
	1 3/4	MP43A	50	210.0	30.0	
	2	MP44	50	208.0	26.0	
	2 1/2	MP45	50	200.0	20.0	

HOLE (O.D.) x ROD (I.D.)	Length	Producto Part#	Box Qty	Load Deflection Table		
				Max. Oper Def 40% of free length	Load at 1/10" (lb.)	
1 x 1/2 x Wire Size .100 x .215	3	MP46	25	198.0	16.5	
	3 1/2	MP47	25	210.0	15.0	
	4	MP48	25	192.0	12.0	
	4 1/2	MP49	25	187.2	10.4	
	5	MP410	25	192.0	9.6	
	5 1/2	MP411	25	193.6	8.8	
	6	MP412	25	192.0	8.0	
	7	MP414	25	201.6	7.2	
	8	MP416	25	192.0	6.0	
	12	MP424	25	192.0	4.0	
	1 1/4 x 5/8 x Wire Size .115 x .285	1 1/2	MP53	50	297.6	49.6
		1 3/4	MP53A	50	296.8	42.4
2		MP54	50	281.6	35.2	
2 1/2		MP55	25	288.0	28.8	
3		MP56	25	288.0	24.0	
3 1/2		MP57	25	280.0	20.0	
4		MP58	25	281.6	17.6	
4 1/2		MP59	25	288.0	16.0	
5		MP510	25	272.0	13.6	
5 1/2		MP511	25	281.6	12.8	
6		MP512	25	288.0	12.0	
7		MP514	25	291.2	10.4	
1 1/2 x 3/4 x Wire Size .135 x .345	2	MP64	25	424.0	53.0	
	2 1/2	MP65	25	450.0	45.0	
	3	MP66	25	432.0	36.0	
	3 1/2	MP67	25	420.0	30.0	
	4	MP68	25	432.0	27.0	
	4 1/2	MP69	25	414.0	23.0	
	5	MP610	25	420.0	21.0	
	5 1/2	MP611	25	407.0	18.5	
	6	MP612	25	408.0	17.0	
	7	MP614	25	406.0	14.5	
	8	MP616	25	409.6	12.8	
	10	MP620	25	400.0	10.0	
12	MP624	25	384.0	8.0		
2 x 1 x Wire Size .195 x .468	2 1/2	MP85	25	1000.0	100.0	
	3	MP86	25	996.0	83.0	
	3 1/2	MP87	25	907.2	64.8	
	4	MP88	25	960.0	60.0	
	4 1/2	MP89	25	954.0	53.0	
	5	MP810	25	940.0	47.0	
	5 1/2	MP811	25	862.4	39.2	
	6	MP812	20	936.0	39.0	
	7	MP814	20	873.6	31.2	
	8	MP816	10	912.0	28.5	
	10	MP820	10	832.0	20.8	
	12	MP824	10	840.0	17.5	