

MULTIWAVE COMPRESSION SPRINGS

Stock and custom sizes in stainless steel

Multiwave springs replace conventional round wire springs when space is critical; they will occupy only 1/3 to 1/2 of the compressed height space of a traditional round wire spring, while providing more deflection with the same load specifications.

SPEC Multiwave springs should be used for all applications requiring tight load deflection specifications where axial space is critical.

Additional stock sizes and custom-engineered designed are available upon request.

Unique manufacturing

A single filament of round-edged, pre-tempered flat wire is used to form the springs from a continuous coil. This results in uniform diameters and wave heights.

Material

Stainless steel commercial type 17-7 PH (slightly magnetic).

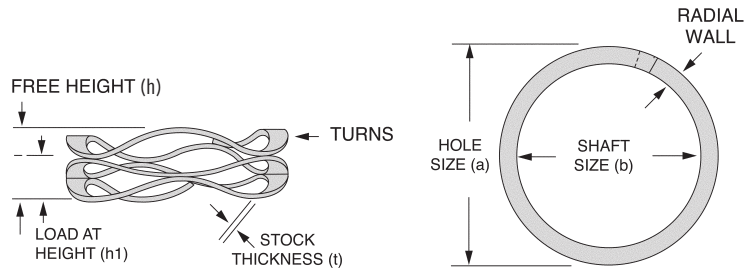
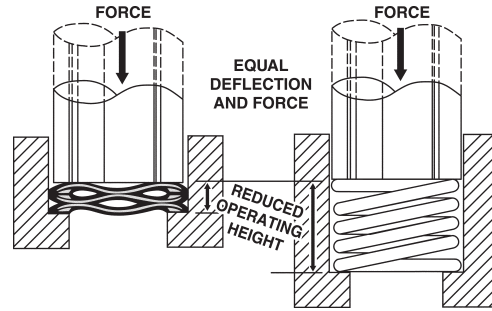
Maximum application temperature is 650°F (340°C).

Certificate of compliance available upon request.

Finish

Plain finish is standard.

Design Comparison



MULTIWAVE COMPRESSION SPRINGS														
Catalog Number	Fits In Hole Size (a)		Shaft (b)		Stock Thickness (t)		Free Height (h) Approximate		Load Height (h1)		Nominal Load at Height		Spring Rate	
	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	N	lbs/in	N/mm
MW0375-0150-04S	0.375	9.5	0.250	6.4	0.008	0.2	0.150	3.8	0.062	1.575	4	17.8	45	7.9
MW0375-0250-04S	0.375	9.5	0.250	6.4	0.008	0.2	0.250	6.4	0.108	2.743	4	17.8	28	4.9
MW0375-0350-04S	0.375	9.5	0.250	6.4	0.008	0.2	0.350	8.9	0.150	3.810	4	17.8	20	3.5
MW0375-0450-04S	0.375	9.5	0.250	6.4	0.008	0.2	0.450	11.4	0.195	4.953	4	17.8	16	2.8
MW0375-0150-07S	0.375	9.5	0.250	6.4	0.011	0.3	0.150	3.8	0.081	2.057	7	31.1	101	17.7
MW0375-0250-07S	0.375	9.5	0.250	6.4	0.011	0.3	0.250	6.4	0.145	3.683	7	31.1	67	11.7
MW0375-0350-07S	0.375	9.5	0.250	6.4	0.011	0.3	0.350	8.9	0.202	5.131	7	31.1	47	8.2
MW0375-0450-07S	0.375	9.5	0.250	6.4	0.011	0.3	0.450	11.4	0.262	6.655	7	31.1	37	6.5
MW0437-0165-04S	0.437	11.1	0.281	7.1	0.008	0.2	0.165	4.2	0.063	1.600	4	17.8	39	6.8
MW0437-0275-04S	0.437	11.1	0.281	7.1	0.008	0.2	0.275	7.0	0.109	2.769	4	17.8	24	4.2
MW0437-0385-04S	0.437	11.1	0.281	7.1	0.008	0.2	0.385	9.8	0.160	4.064	4	17.8	18	3.2
MW0437-0165-08S	0.437	11.1	0.281	7.1	0.011	0.3	0.165	4.2	0.082	2.083	8	35.6	96	16.8
MW0437-0275-08S	0.437	11.1	0.281	7.1	0.011	0.3	0.275	7.0	0.142	3.607	8	35.6	60	10.5
MW0437-0385-08S	0.437	11.1	0.281	7.1	0.011	0.3	0.385	9.8	0.198	5.029	8	35.6	43	7.5
MW0500-0180-05S	0.500	12.7	0.312	7.9	0.008	0.2	0.180	4.6	0.062	1.575	5	22.2	42	7.4
MW0500-0300-05S	0.500	12.7	0.312	7.9	0.008	0.2	0.300	7.6	0.107	2.718	5	22.2	26	4.6
MW0500-0420-05S	0.500	12.7	0.312	7.9	0.008	0.2	0.420	10.7	0.150	3.810	5	22.2	19	3.3
MW0500-0180-10S	0.500	12.7	0.312	7.9	0.010	0.3	0.180	4.6	0.065	1.651	10	44.5	87	15.2
MW0500-0300-10S	0.500	12.7	0.312	7.9	0.010	0.3	0.300	7.6	0.114	2.896	10	44.5	54	9.5
MW0500-0420-10S	0.500	12.7	0.312	7.9	0.010	0.3	0.420	10.7	0.162	4.115	10	44.5	39	6.8
MW0562-0195-05S	0.562	14.3	0.375	9.5	0.009	0.2	0.195	5.0	0.080	2.032	5	22.2	43	7.5
MW0562-0325-05S	0.562	14.3	0.375	9.5	0.009	0.2	0.325	8.3	0.135	3.429	5	22.2	26	4.6
MW0562-0455-05S	0.562	14.3	0.375	9.5	0.009	0.2	0.455	11.6	0.190	4.826	5	22.2	19	3.3
MW0562-0195-11S	0.562	14.3	0.375	9.5	0.012	0.3	0.195	5.0	0.086	2.184	11	48.9	101	17.7
MW0562-0325-11S	0.562	14.3	0.375	9.5	0.012	0.3	0.325	8.3	0.145	3.683	11	48.9	61	10.7
MW0562-0455-11S	0.562	14.3	0.375	9.5	0.012	0.3	0.455	11.6	0.209	5.309	11	48.9	45	7.9
MW0625-0180-06S	0.625	15.9	0.450	11.4	0.010	0.3	0.180	4.6	0.055	1.397	6	26.7	48	8.4
MW0625-0300-06S	0.625	15.9	0.450	11.4	0.010	0.3	0.300	7.6	0.085	2.159	6	26.7	28	4.9
MW0625-0420-06S	0.625	15.9	0.450	11.4	0.010	0.3	0.420	10.7	0.128	3.251	6	26.7	21	3.7
MW0625-0780-06S	0.625	15.9	0.450	11.4	0.010	0.3	0.780	19.8	0.238	6.045	6	26.7	11	1.9
MW0625-0180-12S	0.625	15.9	0.450	11.4	0.010	0.3	0.180	4.6	0.104	2.642	12	53.4	158	27.7
MW0625-0300-12S	0.625	15.9	0.450	11.4	0.010	0.3	0.300	7.6	0.175	4.445	12	53.4	96	16.8
MW0625-0420-12S	0.625	15.9	0.450	11.4	0.010	0.3	0.420	10.7	0.246	6.248	12	53.4	69	12.1
MW0625-0780-12S	0.625	15.9	0.450	11.4	0.010	0.3	0.780	19.8	0.454	11.532	12	53.4	37	6.5
MW0750-0250-07S	0.750	19.1	0.550	14.0	0.008	0.2	0.250	6.4	0.142	3.607	7	31.1	65	11.4
MW0750-0417-07S	0.750	19.1	0.550	14.0	0.008	0.2	0.417	10.6	0.246	6.248	7	31.1	41	7.2
MW0750-0250-13S	0.750	19.1	0.550	14.0	0.010	0.3	0.250	6.4	0.159	4.039	13	57.8	143	25
MW0750-0417-13S	0.750	19.1	0.550	14.0	0.010	0.3	0.417	10.6	0.270	6.858	13	57.8	88	15.4
MW0750-0250-22S	0.750	19.1	0.550	14.0	0.013	0.3	0.250	6.4	0.169	4.293	22	97.9	272	47.6
MW0750-0417-22S	0.750	19.1	0.550	14.0	0.013	0.3	0.417	10.6	0.291	7.391	22	97.9	175	30.6
MW0875-0250-12S	0.875	22.2	0.600	15.2	0.010	0.3	0.250	6.4	0.117	2.972	12	53.4	90	15.8
MW0875-0417-12S	0.875	22.2	0.600	15.2	0.010	0.3	0.417	10.6	0.207	5.258	12	53.4	57	10



