

## MHP Series DIE Springs – RED (Medium-High Pressure)

Hole Dia. (O.D)	Part Number	Rod Dia. (I.D.)	Free Length		Load at 37% Deflection		Load at 1/10" Deflection		
			in.	mm.	lb.	kg.	lb.	kg.	
<b>3/8"</b> <b>9.5mm</b>	MHP-02	<b>3/16"</b> <b>4.8 mm</b>	1	25.4	33.3	15.1	9.	4.08	
	MHP02A		1 ¼	31.78	33.8	15.33	7.3	3.31	
	MHP-03		1 ½	38.1	37.19	16.87	6.7	3.04	
	MHP-03A		1 ¾	44.45	37.58	17.05	5.8	2.63	
	MHP-04		2	50.8	37.	16.78	5.	2.27	
	MHP-05		2 ½	63.5	38.85	17.62	4.2	1.91	
	<b>Wire</b> <b>.046 x .073</b>		MHP-06	3	76.2	33.3	15.1	3.	1.36
	MHP-024		12	304.8	39.96	18.13	.9	.41	
<b>½"</b> <b>12.7 mm</b>	MHP-12	<b>9/32"</b> <b>7.1 mm</b>	1	25.4	62.16	28.2	16.8	7.62	
	MHP-12A		1 ¼	31.78	64.36	29.19	13.9	6.31	
	MHP-13		1 ½	38.1	66.6	30.21	12.	5.44	
	MHP-13A		1 ¾	44.45	67.39	30.57	10.4	4.72	
	MHP-14		2	50.8	64.38	29.2	8.7	3.95	
	MHP-15		2 ½	63.5	62.9	28.53	6.8	3.08	
	<b>Wire</b> <b>.061 x .094</b>		MHP-16	3	76.2	63.27	28.7	5.7	2.59
	MHP-17		3 ½	88.9	60.87	27.61	4.7	2.13	
MHP-124	12	304.8	53.28	24.17	1.2	.54			
<b>5/8"</b> <b>15.9 mm</b>	MHP-22	<b>11/32"</b> <b>8.7 mm</b>	1	25.4	102.49	46.49	27.7	12.56	
	MHP-22A		1 ¼	31.78	96.3	43.68	20.8	9.43	
	MHP-23		1 ½	38.1	105.45	47.83	19.	8.62	
	MHP-23A		1 ¾	44.5	108.86	49.38	16.8	7.62	
	MHP-24		2	50.8	109.52	49.68	14.8	6.71	
	MHP-25		2 ½	63.5	106.38	48.25	11.5	5.22	
	MHP-26		3	76.2	111.	50.35	10.	4.54	
	<b>Wire</b> <b>.081 x .123</b>		MHP-27	3 ½	88.9	110.04	49.9	8.5	3.86
MHP-28	4	101.6	112.48	51.02	7.6	3.45			
MHP-224	12	304.8	119.88	54.28	2.7	1.22			
<b>¾"</b> <b>19.1 mm</b>	MHP-32	<b>3/8"</b> <b>9.5 mm</b>	1	25.4	213.12	96.67	57.6	26.13	
	MHP-32A		1 ¼	31.78	203.72	92.41	44.	19.96	
	MHP-33		1 ½	38.1	177.6	80.56	32.	14.52	
	MHP-33A		1 ¾	44.5	186.62	84.65	28.8	13.06	
	MHP-34		2	50.8	183.52	83.24	24.8	11.25	
	MHP-35		2 ½	63.5	177.6	80.56	19.2	8.71	
	MHP-36		3	76.2	159.84	72.5	14.4	6.53	
	<b>Wire</b> <b>.093 x .156</b>		MHP-37	3 ½	88.9	165.76	75.19	12.8	5.81
MHP-38	4	101.6	177.6	80.56	12.	5.44			

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			in.	mm.	lb.	kg.	lb.	kg.
	MHP-39		4 ½	114.3	186.48	84.59	11.2	5.08
	MHP-310		5	127.	192.4	87.27	10.4	4.72
	MHP-311		5 ½	139.7	195.36	88.62	9.6	4.35
	MP-312		6	152.4	177.6	80.56	8.	363
	MP-324		12	304.	159.84	72.5	3.6	1.63
<b>1"</b> <b>25.4 mm</b>	MHP-42	<b>½"</b> <b>12.7 mm</b>	1	25.4	266.4	120.84	72.	32.66
	MHP-42A		1 ¼	31.78	288.91	131.05	62.4	28.3
	MHP-43		1 ½	38.1	275.28	124.87	49.6	22.5
	MHP-43A		1 ¾	44.5	285.12	129.33	44.	19.96
	MHP-44		2	50.8	272.32	123.52	36.8	16.69
	MHP-45		2 ½	63.5	266.4	120.84	28.8	13.06
	MHP-46		3	76.2	257.52	116.81	23.2	10.52
	MHP-47		3 ½	88.9	279.72	26.88	21.6	9.8
	MHP-48		4	101.6	272.32	123.52	18.4	8.35
	MHP-49		4 ½	114.3	253.08	114.80	15.2	6.89
	MHP-410		5	127.	266.4	120.84	14.4	6.53
	MHP-411		5 ½	139.7	260.48	118.15	12.8	5.81
	MHP-412		6	152.4	248.64	112.78	11.2	5.08
	MHP-414		7	177.8	248.64	112.78	9.6	4.35
	MHP-416		8	203.2	260.48	118.15	8.8	3.99
	MHP-424		12	304.8	248.64	112.78	5.6	2.54
<b>1 ¼"</b> <b>31.8 mm</b>	MHP-53	<b>5/8"</b> <b>15.9 mm</b>	1 ½	38.1	634.92	288.	114.4	51.89
	MHP-53A		1 ¾	44.5	653.18	296.28	100.8	45.72
	MHP-54		2	50.8	639.36	290.01	86.4	39.19
	MHP-55		2 ½	63.5	577.2	261.82	62.4	28.3
	MHP-56		3	76.2	568.32	257.79	51.2	23.22
	MHP-57		3 ½	88.9	569.8	258.46	44.	19.963
	MHP-58		4	101.6	544.64	247.05	36.8	16.69
	MHP-59		4 ½	114.3	532.8	241.68	32.	14.52
	MHP-510		5	127.	503.2	228.25	27.2	12.34
	MHP-511		5 ½	139.7	537.24	243.69	26.4	11.98
	MHP-512		6	152.4	515.04	233.62	23.2	10.52
	MHP-514		7	177.8	518.	234.96	20.	9.07
	MHP-516		8	203.2	544.64	247.05	18.4	8.35
	MHP-520		10	254.	473.6	214.82	12.8	5.81
	MHP-524		12	304.8	497.28	225.57	11.2	5.08
	<b>1 ½"</b> <b>38.1 mm</b>		MHP-64	<b>¾"</b> <b>19.1 mm</b>	2	50.8	799.2	362.52
MHP-65		2 ½	63.5		791.8	359.16	85.6	38.83
MHP-66		3	76.2		692.64	314.18	62.4	28.3
MHP-67		3 ½	88.9		683.76	310.15	52.8	23.95
MHP-68		4	101.6		710.4	322.24	48.	21.77
MHP-69		4 ½	114.3		719.28	326.27	43.2	19.6
MHP-610		5	127.		680.8	308.81	36.8	16.69
MHP-611		5 ½	139.7		700.04	317.54	34.4	15.6
MHP-612		6	152.4		674.88	306.13	30.4	13.79

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			in.	mm.	lb.	kg.	lb.	kg.
	MHP-614		7	177.8	683.76	310.15	26.4	11.98
	MHP-616		8	203.2	615.68	279.27	20.8	9.43
	MHP-620		10	254.	651.2	295.38	17.6	7.98
	MHP-624		12	304.8	639.36	290.01	14.4	6.53
<b>2"</b> <b>5.8 mm</b>  <b>Wire</b> <b>.225 x .437</b>	MHP-85	<b>1"</b> <b>25.5 mm</b>	2 ½	63.5	1095.2	496.78	118.4	53.71
	MHP-86		3	76.2	1065.6	483.36	96.	43.55
	MHP-87		3 ½	88.9	1036.	469.93	80.	36.29
	MHP-88		4	101.6	982.72	445.76	66.4	30.12
	MHP-89		4 ½	114.3	999.	453.15	60.	27.22
	MHP-810		5	127.	1036.	469.93	56.	25.4
	MHP-811		5 ½	139.7	1025.64	465.23	50.4	22.86
	MHP-812		6	152.4	1047.84	475.3	47.2	21.41
	MHP-814		7	177.8	1036.	469.93	40.	18.14
	MHP-816		8	203.2	1041.92	472.61	35.2	15.97
	MHP-820		10	254.	888.	402.8	24.	10.89
	MHP-824		12	304.8	994.56	451.13	22.4	10.16