



# **Springs - Die - Imperial - Medium- Heavy Duty**

10/4/2018

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## INFORMATION

Vapor degassed high tensile strength chromium alloy steel. Spring ends are ground square. Designed for long life cycle with constant high end deflections and shot peened to increase fatigue life.

Colour coded red

Efficient operating range is 20 to 30 percent of the length

Maximum deflection is 37 percent of the length

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Part Number	Hole Diameter (A) mm <i>inches</i>	Rod Diameter (B) mm <i>inches</i>	Length (L) mm <i>inches</i>	Load at 2.5mm Deflection N	Load at 37 % Deflection N	Colour
# DS-095-025-MHD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	25.400 <i>1.000</i>	40	120.1	Red
# DS-095-032-MHD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	31.750 <i>1.250</i>	32.5	121.9	Red
# DS-095-038-MHD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	38.100 <i>1.500</i>	29.8	134.3	Red
# DS-095-051-MHD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	50.800 <i>2.000</i>	22.2	133.4	Red
# DS-127-025-MHD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	25.400 <i>1.000</i>	74.7	224.2	Red
# DS-127-032-MHD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	31.750 <i>1.250</i>	57.8	217.1	Red
# DS-127-038-MHD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	38.100 <i>1.500</i>	42.3	190.4	Red
# DS-127-044-MHD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	44.450 <i>1.750</i>	37.8	198.4	Red
# DS-127-051-MHD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	50.800 <i>2.000</i>	33.4	200.2	Red
# DS-159-025-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	25.400 <i>1.000</i>	133.4	400.3	Red

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# DS-159-032-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	31.750 <i>1.250</i>	95.6	358.5	Red
# DS-159-038-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	38.100 <i>1.500</i>	84.5	380.3	Red
# DS-159-044-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	44.450 <i>1.750</i>	74.7	392.3	Red
# DS-159-051-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	50.800 <i>2.000</i>	65.8	395.0	Red
# DS-159-076-MHD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	76.200 <i>3.000</i>	44.5	400.3	Red
# DS-191-025-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	25.400 <i>1.000</i>	222.4	667.2	Red
# DS-191-032-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	31.750 <i>1.250</i>	169	633.9	Red
# DS-191-038-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	38.100 <i>1.500</i>	142.3	640.5	Red
# DS-191-044-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	44.450 <i>1.750</i>	128.1	672.6	Red
# DS-191-051-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	50.800 <i>2.000</i>	110.3	661.9	Red

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# DS-191-064-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	63.500 <i>2.500</i>	85.4	640.5	Red
# DS-191-076-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	76.200 <i>3.000</i>	64.1	576.5	Red
# DS-191-089-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	88.900 <i>3.500</i>	56.9	597.8	Red
# DS-191-102-MHD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	101.600 <i>4.000</i>	53.4	640.5	Red
# DS-254-025-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	25.400 <i>1.000</i>	338.1	1014.2	Red
# DS-254-038-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	38.100 <i>1.500</i>	220.6	992.8	Red
# DS-254-044-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	44.450 <i>1.750</i>	195.7	1027.5	Red
# DS-254-051-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	50.800 <i>2.000</i>	177.9	1067.6	Red
# DS-254-064-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	63.500 <i>2.500</i>	137.9	1034.2	Red
# DS-254-076-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	76.200 <i>3.000</i>	111.2	1000.8	Red

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# DS-254-089-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	88.900 <i>3.500</i>	96.1	1008.9	Red
# DS-254-102-MHD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	101.600 <i>4.000</i>	81.8	982.2	Red
# DS-318-051-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	50.800 <i>2.000</i>	384.3	2306.0	Red
# DS-318-064-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	63.500 <i>2.500</i>	277.6	2081.8	Red
# DS-318-076-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	76.200 <i>3.000</i>	227.7	2049.7	Red
# DS-318-089-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	88.900 <i>3.500</i>	195.7	2055.1	Red
# DS-318-102-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	101.600 <i>4.000</i>	129	1935.0	Red
# DS-318-127-MHD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	127.000 <i>5.000</i>	163.7	1964.3	Red
# DS-381-051-MHD	38.100 <i>1.500</i>	19.050 <i>0.750</i>	50.800 <i>2.000</i>	480.4	2882.4	Red

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