



Springs - Die - Imperial - Heavy Duty

10/4/2018

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

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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 gold

Efficient operating range is 15 to 25 percent of the length

Maximum deflection is 30 percent of the length

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Part Number	Hole Diameter (A) mm	Rod Diameter (B) mm	Length (L) mm	Load at 2.5mm Deflection N	Load at 30 % Deflection N	Colour
	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-095-025-HD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	25.400 <i>1.000</i>	48.9	122.3	Gold
# DS-095-038-HD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	38.100 <i>1.500</i>	35.6	133.4	Gold
# DS-095-051-HD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	50.800 <i>2.000</i>	32	160.1	Gold
# DS-095-064-HD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	63.500 <i>2.500</i>	24.5	153.0	Gold
# DS-095-076-HD	9.525 <i>0.375</i>	4.763 <i>0.188</i>	76.200 <i>3.000</i>	18.7	140.1	Gold
# DS-127-025-HD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	25.400 <i>1.000</i>	105	262.4	Gold
# DS-127-032-HD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	31.750 <i>1.250</i>	82.7	258.4	Gold
# DS-127-038-HD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	38.100 <i>1.500</i>	68.9	258.4	Gold
# DS-127-044-HD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	44.450 <i>1.750</i>	61.4	268.7	Gold
# DS-127-051-HD	12.700 <i>0.500</i>	7.144 <i>0.281</i>	50.800 <i>2.000</i>	48.9	244.7	Gold

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-159-025-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	25.400 <i>1.000</i>	188.6	471.5	Gold
# DS-159-032-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	31.750 <i>1.250</i>	131.7	411.5	Gold
# DS-159-038-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	38.100 <i>1.500</i>	121	453.7	Gold
# DS-159-044-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	44.450 <i>1.750</i>	106.8	467.1	Gold
# DS-159-051-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	50.800 <i>2.000</i>	92.5	462.6	Gold
# DS-159-064-HD	15.875 <i>0.625</i>	8.731 <i>0.344</i>	63.500 <i>2.500</i>	75.6	472.8	Gold
# DS-191-025-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	25.400 <i>1.000</i>	480.4	1201.0	Gold
# DS-191-032-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	31.750 <i>1.250</i>	391.4	1223.3	Gold
# DS-191-038-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	38.100 <i>1.500</i>	291.8	1094.3	Gold
# DS-191-044-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	44.450 <i>1.750</i>	266.9	1167.7	Gold

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-191-051-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	50.800 <i>2.000</i>	220.6	1103.2	Gold
# DS-191-064-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	63.500 <i>2.500</i>	177.9	1112.1	Gold
# DS-191-076-HD	19.050 <i>0.750</i>	9.525 <i>0.375</i>	76.200 <i>3.000</i>	151.2	1134.3	Gold
# DS-254-025-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	25.400 <i>1.000</i>	925.2	2313.1	Gold
# DS-254-032-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	31.750 <i>1.250</i>	761.5	2379.8	Gold
# DS-254-038-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	38.100 <i>1.500</i>	526.7	1975.0	Gold
# DS-254-044-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	44.450 <i>1.750</i>	462.6	2023.9	Gold
DS-254-051-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	50.800 <i>2.000</i>	400.3	2001.7	Gold
# DS-254-064-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	63.500 <i>2.500</i>	302.5	1890.5	Gold
# DS-254-076-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	76.200 <i>3.000</i>	242	1814.9	Gold

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-254-089-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	88.900 <i>3.500</i>	202.8	1774.8	Gold
# DS-254-102-HD	25.400 <i>1.000</i>	12.700 <i>0.500</i>	101.600 <i>4.000</i>	177.9	1779.3	Gold
# DS-318-051-HD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	50.800 <i>2.000</i>	665.5	3327.3	Gold
# DS-318-064-HD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	63.500 <i>2.500</i>	523.1	3269.4	Gold
# DS-318-076-HD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	76.200 <i>3.000</i>	423.5	3176.0	Gold
# DS-318-089-HD	31.750 <i>1.250</i>	15.875 <i>0.625</i>	88.900 <i>3.500</i>	334.5	2926.9	Gold
# DS-381-051-HD	38.100 <i>1.500</i>	19.050 <i>0.750</i>	50.800 <i>2.000</i>	846.9	4234.7	Gold
# DS-381-064-HD	38.100 <i>1.500</i>	19.050 <i>0.750</i>	63.500 <i>2.500</i>	689.5	4309.4	Gold

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