



Springs - Die - Imperial - Medium Duty - Chrome Silicon

10/4/2018

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INFORMATION

Chrome silicon die springs are longer lasting than high carbon steel. Shot peened to reduce working stress and to improve the surface.

Colour coded blue

Efficient operating range is 25 to 35 percent of the length

Maximum deflection is 50 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 50 % Deflection N	Colour
# DS-095-025-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	25.400 <i>1.000</i>	24.9	124.6	Blue
# DS-095-032-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	31.750 <i>1.250</i>	21.4	133.4	Blue
# DS-095-038-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	38.100 <i>1.500</i>	16.9	126.8	Blue
# DS-095-051-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	50.800 <i>2.000</i>	12.5	124.6	Blue
# DS-095-064-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	63.500 <i>2.500</i>	10.7	133.4	Blue
# DS-095-076-MDS	9.525 <i>0.375</i>	4.763 <i>0.188</i>	76.200 <i>3.000</i>	8	120.1	Blue
# DS-127-025-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	25.400 <i>1.000</i>	0.4	222.4	Blue
# DS-127-032-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	31.750 <i>1.250</i>	33.8	253.5	Blue
# DS-127-038-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	38.100 <i>1.500</i>	30.2	264.7	Blue
# DS-127-044-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	44.450 <i>1.750</i>	28.5	284.7	Blue

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# DS-127-051-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	50.800 <i>2.000</i>	23.1	289.1	Blue
# DS-127-064-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	63.500 <i>2.500</i>	13.3	233.5	Blue
# DS-127-076-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	76.200 <i>3.000</i>	58.3	291.4	Blue
# DS-127-089-MDS	12.700 <i>0.500</i>	7.144 <i>0.281</i>	88.900 <i>3.500</i>	56.9	355.9	Blue
# DS-159-025-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	25.400 <i>1.000</i>	48	360.3	Blue
# DS-159-032-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	31.750 <i>1.250</i>	39.1	391.4	Blue
# DS-159-038-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	38.100 <i>1.500</i>	40.9	255.8	Blue
# DS-159-044-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	44.450 <i>1.750</i>	17.8	266.9	Blue
# DS-159-051-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	50.800 <i>2.000</i>	42.7	373.7	Blue
# DS-159-064-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	63.500 <i>2.500</i>	26.7	333.6	Blue

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-159-076-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	76.200 <i>3.000</i>	24.9	373.7	Blue
# DS-159-089-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	88.900 <i>3.500</i>	21.4	373.7	Blue
# DS-159-102-MDS	15.875 <i>0.625</i>	8.731 <i>0.344</i>	101.600 <i>4.000</i>	19.6	391.4	Blue
# DS-191-038-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	38.100 <i>1.500</i>	89	667.2	Blue
# DS-191-044-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	44.450 <i>1.750</i>	78.3	685.0	Blue
# DS-191-051-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	50.800 <i>2.000</i>	64.1	640.5	Blue
# DS-191-064-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	63.500 <i>2.500</i>	53.4	667.2	Blue
# DS-191-076-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	76.200 <i>3.000</i>	42.7	640.5	Blue
# DS-191-089-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	88.900 <i>3.500</i>	35.6	622.8	Blue
# DS-191-114-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	114.300 <i>4.500</i>	28.5	640.5	Blue

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# DS-191-152-MDS	19.050 <i>0.750</i>	9.525 <i>0.375</i>	152.400 <i>6.000</i>	17.8	533.8	Blue
# DS-254-051-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	50.800 <i>2.000</i>	103.2	1032.0	Blue
# DS-254-064-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	63.500 <i>2.500</i>	89	1112.1	Blue
# DS-254-076-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	76.200 <i>3.000</i>	67.6	1014.2	Blue
# DS-254-089-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	88.900 <i>3.500</i>	56.9	996.4	Blue
# DS-254-102-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	101.600 <i>4.000</i>	53.4	1067.6	Blue
# DS-254-114-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	114.300 <i>4.500</i>	46.3	1040.9	Blue
# DS-254-127-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	127.000 <i>5.000</i>	42.7	1067.6	Blue
# DS-254-152-MDS	25.400 <i>1.000</i>	12.700 <i>0.500</i>	152.400 <i>6.000</i>	35.6	1067.6	Blue
# DS-318-051-MDS	31.750 <i>1.250</i>	15.875 <i>0.625</i>	50.800 <i>2.000</i>	156.6	1565.8	Blue

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-318-064-MDS	31.750 <i>1.250</i>	15.875 <i>0.625</i>	63.500 <i>2.500</i>	128.1	1601.4	Blue
# DS-318-076-MDS	31.750 <i>1.250</i>	15.875 <i>0.625</i>	76.200 <i>3.000</i>	106.8	1601.4	Blue
# DS-318-102-MDS	31.750 <i>1.250</i>	15.875 <i>0.625</i>	101.600 <i>4.000</i>	78.3	1565.8	Blue
# DS-318-127-MDS	31.750 <i>1.250</i>	15.875 <i>0.625</i>	127.000 <i>5.000</i>	60.5	1512.4	Blue
# DS-381-051-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	50.800 <i>2.000</i>	199.3	1992.8	Blue
# DS-381-064-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	63.500 <i>2.500</i>	163.7	2046.2	Blue
# DS-381-076-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	76.200 <i>3.000</i>	149.5	2241.9	Blue
# DS-381-102-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	101.600 <i>4.000</i>	96.1	1921.6	Blue
# DS-381-114-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	114.300 <i>4.500</i>	92.5	2081.8	Blue
# DS-381-127-MDS	38.100 <i>1.500</i>	19.050 <i>0.750</i>	127.000 <i>5.000</i>	89	2224.1	Blue

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	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# DS-508-064-MDS	50.800 <i>2.000</i>	25.400 <i>1.000</i>	63.500 <i>2.500</i>	398.6	4982.0	Blue
# DS-508-089-MDS	50.800 <i>2.000</i>	25.400 <i>1.000</i>	88.900 <i>3.500</i>	288.2	5044.3	Blue
# DS-508-102-MDS	50.800 <i>2.000</i>	25.400 <i>1.000</i>	101.600 <i>4.000</i>	245.5	4910.8	Blue
# DS-508-127-MDS	50.800 <i>2.000</i>	25.400 <i>1.000</i>	127.000 <i>5.000</i>	185	4626.2	Blue

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