

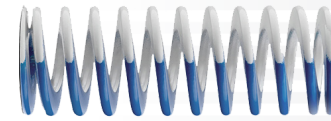
MOLD ASSEMBLY

Mold and Die Springs Medium Duty (Color-Coded Silver with BlueStripe)

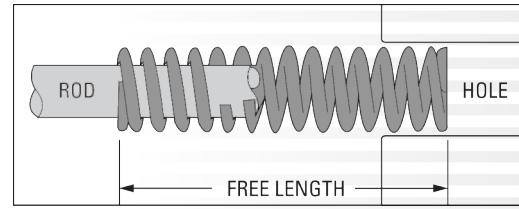
Medium Duty Mold and Die Springs (Silver-Blue Stripe) – SMD

Maximum Deflection: 50% of Free Length Efficient Operating Range: 25% to 35% of Free Length

Special trapezoidal-shaped, round-cornered chromium alloy, provides high resistance to shock loads, increased deflection, wider operating temperatures and longer life. Color-coded by work range to simplify selection and specification.



(LBS x .454 = kg)



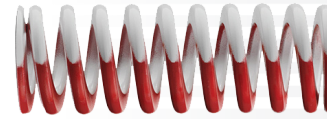
NOTE: **DEFLECTION VALUES NEAR SOLID INTENDED FOR DESIGN INFORMATION ONLY.

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 50% DEFLEC. (LBS)**		
			INCH	MM				
3/8 9.5MM	5/16 4.7MM	SMD1004S	1.00	25.40	6.0	30.0		
		SMD1005S	1.25	31.75	5.0	31.5		
		SMD1006S	1.50	38.10	4.2	31.5		
		SMD1007S	1.75	44.45	3.7	32.6		
		SMD1008S	2.00	50.80	3.1	31.0		
		SMD1010S	2.50	63.50	2.6	32.5		
		SMD1012S	3.00	76.20	2.1	31.5		
		SMD1048S	12.00	304.80	0.6	36.0		
1/2 13MM	7/32 7MM	SMD2004S	1.00	25.40	11.0	55.0		
		SMD2005S	1.25	31.75	8.2	51.7		
		SMD2006S	1.50	38.10	6.8	51.0		
		SMD2007S	1.75	44.45	6.0	52.8		
		SMD2008S	2.00	50.80	5.5	55.0		
		SMD2010S	2.50	63.50	4.5	56.3		
		SMD2012S	3.00	76.20	3.5	52.5		
		SMD2014S	3.50	88.90	3.0	52.5		
		SMD2018S	4.50	114.30	2.3	51.8		
		SMD2022S	5.50	139.70	2.0	55.0		
		SMD2026S	6.50	165.10	1.4	45.5		
		SMD2030S	7.50	190.50	1.2	45.0		
		SMD2048S	12.00	304.80	0.7	42.0		
		3/8 16MM	11/32 8.7MM	SMD3004S	1.00	25.40	16.4	82.0
SMD3005S	1.25			31.75	12.4	78.1		
SMD3006S	1.50			38.10	10.8	81.0		
SMD3007S	1.75			44.45	9.6	84.5		
SMD3008S	2.00			50.80	8.6	86.0		
SMD3010S	2.50			63.50	6.5	81.3		
SMD3012S	3.00			76.20	5.8	87.0		
SMD3014S	3.50			88.90	5.0	87.5		
SMD3016S	4.00			101.60	4.4	88.0		
SMD3048S	12.00			304.80	1.5	90.0		
1/2 19.5MM	3/8 9.5MM			SMD4004S	1.00	25.40	32.0	160.0
				SMD4005S	1.25	31.75	25.6	161.3
				SMD4006S	1.50	38.10	20.0	150.0
				SMD4007S	1.75	44.45	17.6	154.9
		SMD4008S	2.00	50.80	15.0	150.0		
		SMD4010S	2.50	63.50	12.0	150.0		
		SMD4012S	3.00	76.20	10.1	151.5		
		SMD4014S	3.50	88.90	8.3	145.3		
		SMD4016S	4.00	101.60	7.5	144.0		
		SMD4018S	4.50	114.30	6.4	144.0		
		SMD4020S	5.00	127.00	6.0	150.0		
		SMD4022S	5.50	139.70	5.5	151.3		
		SMD4024S	6.00	152.40	5.0	150.0		
		SMD4026S	6.50	165.10	4.7	162.5		
		SMD4030S	7.50	190.50	3.8	142.5		
		SMD4048S	12.00	304.80	2.4	144.0		
		1 25.5MM	1/2 13MM	SMD5004S	1.00	25.40	55.0	275.0
				SMD5005S	1.25	31.75	45.0	283.5
				SMD5006S	1.50	38.10	37.3	279.8
				SMD5007S	1.75	44.45	32.0	281.6
SMD5008S	2.00			50.80	26.8	268.0		
SMD5010S	2.50			63.50	20.9	261.3		

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 50% DEFLEC. (LBS)**
			INCH	MM		
1 25.5MM	1/2 13MM	SMD5012S	3.00	76.20	17.1	256.5
		SMD5014S	3.50	88.90	14.5	253.8
		SMD5016S	4.00	101.60	12.5	250.0
		SMD5018S	4.50	114.30	11.0	247.5
		SMD5020S	5.00	127.00	9.6	240.0
		SMD5022S	5.50	139.70	8.8	242.0
		SMD5024S	6.00	152.40	8.0	240.0
		SMD5028S	7.00	177.80	7.2	280.0
		SMD5032S	8.00	203.20	6.0	240.0
		SMD5048S	12.00	304.80	4.0	240.0
1/4 32MM	3/8 16MM	SMD6006S	1.50	38.10	49.6	372.0
		SMD6007S	1.75	44.45	40.6	357.3
		SMD6008S	2.00	50.80	37.6	376.0
		SMD6010S	2.50	63.50	28.8	360.0
		SMD6012S	3.00	76.20	24.0	360.0
		SMD6014S	3.50	88.90	20.0	350.0
		SMD6016S	4.00	101.60	17.6	352.0
		SMD6018S	4.50	114.30	16.0	360.0
		SMD6020S	5.00	127.00	14.3	357.5
		SMD6022S	5.50	139.70	12.8	352.0
		SMD6024S	6.00	152.40	12.0	360.0
		SMD6028S	7.00	177.80	10.4	420.0
		SMD6032S	8.00	203.20	8.8	352.0
		SMD6040S	10.00	254.00	7.2	360.0
1-1/2 38.5MM	3/4 19.5MM	SMD7008S	2.00	50.80	53.0	530.0
		SMD7010S	2.50	63.50	42.7	533.8
		SMD7012S	3.00	76.20	36.0	540.0
		SMD7014S	3.50	88.90	30.0	525.0
		SMD7016S	4.00	101.60	24.9	498.0
		SMD7018S	4.50	114.30	23.0	517.5
		SMD7020S	5.00	127.00	21.0	525.0
		SMD7022S	5.50	139.70	18.5	508.8
		SMD7024S	6.00	152.40	17.0	510.0
		SMD7028S	7.00	177.80	15.3	595.0
		SMD7032S	8.00	203.20	13.2	528.0
		SMD7040S	10.00	254.00	10.6	530.0
		SMD7048S	12.00	304.80	8.5	510.0
		2 51MM	1 25.5MM	SMD8010S	2.50	63.50
SMD8012S	3.00			76.20	83.0	1245.0
SMD8014S	3.50			88.90	67.7	1184.8
SMD8016S	4.00			101.60	60.0	1200.0
SMD8018S	4.50			114.30	53.0	1192.5
SMD8020S	5.00			127.00	47.0	1175.0
SMD8022S	5.50			139.70	40.5	1113.8
SMD8024S	6.00			152.40	39.0	1170.0
SMD8028S	7.00			177.80	31.2	1365.0
SMD8032S	8.00			203.20	28.5	1140.0
SMD8040S	10.00			254.00	21.6	1080.0
SMD8048S	12.00			304.80	18.5	1110.0

MOLD ASSEMBLY

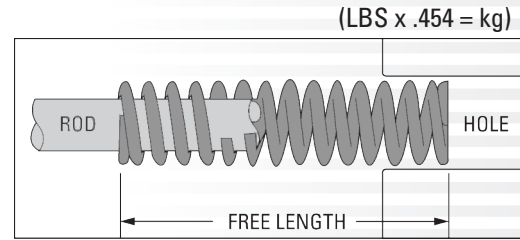
Mold and Die Springs Medium Heavy Duty (Color-Coded Silver with Red Stripe)



Medium Heavy Duty Mold and Die Springs (Silver with Red Stripe) – SMH

Maximum Deflection: 37% of Free Length Efficient Operating Range: 20% to 25% of Free Length

Special trapezoidal-shaped, round-cornered chromium alloy, provides high resistance to shock loads, increased deflection, wider operating temperatures and longer life. Color-coded by work range to simplify selection and specification.



NOTE: **DEFLECTION VALUES NEAR SOLID INTENDED FOR DESIGN INFORMATION ONLY.

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 37% DEFLEC. (LBS)**
			INCH	MM		
3/8 9.5MM	3/16 4.7MM	SMH1004S	1.00	25.40	8.4	31.1
		SMH1005S	1.25	31.75	7.3	33.6
		SMH1006S	1.50	38.10	6.7	37.5
		SMH1007S	1.75	44.45	5.8	37.7
		SMH1008S	2.00	50.80	5.0	37.0
		SMH1010S	2.50	63.50	43.7	34.4
		SMH1012S	3.00	76.20	3.0	33.3
		SMH1048S	12.00	304.80	0.8	35.5
1/2 13MM	9/32 7MM	SMH2004S	1.00	25.40	15.5	57.4
		SMH2005S	1.25	31.75	12.2	56.1
		SMH2006S	1.50	38.10	9.8	54.9
		SMH2007S	1.75	44.45	8.5	55.3
		SMH2008S	2.00	50.80	7.5	55.5
		SMH2010S	2.50	63.50	6.0	55.8
		SMH2012S	3.00	76.20	5.1	56.6
		SMH2014S	3.50	88.90	4.0	52.0
SMH2048S	12.00	304.80	1.1	48.8		
5/8 16MM	11/32 8.7MM	SMH3004S	1.00	25.40	30.0	111.0
		SMH3005S	1.25	31.75	21.5	98.9
		SMH3006S	1.50	38.10	19.0	106.4
		SMH3007S	1.75	44.45	16.8	109.2
		SMH3008S	2.00	50.80	15.5	114.7
		SMH3010S	2.50	63.50	11.5	107.0
		SMH3012S	3.00	76.20	10.0	111.0
		SMH3014S	3.50	88.90	8.5	110.5
SMH3016S	4.00	101.60	7.6	112.5		
SMH3048S	12.00	304.80	2.6	115.4		
3/4 19.5MM	3/8 9.5MM	SMH4004S	1.00	25.40	50.0	185.0
		SMH4005S	1.25	31.75	38.0	174.8
		SMH4006S	1.50	38.10	31.0	173.6
		SMH4007S	1.75	44.45	27.0	175.5
		SMH4008S	2.00	50.80	24.0	177.6
		SMH4010S	2.50	63.50	18.8	174.8
		SMH4012S	3.00	76.20	14.9	165.4
		SMH4014S	3.50	88.90	12.8	166.4
SMH4016S	4.00	101.60	11.0	162.8		
SMH4018S	4.50	114.30	10.0	167.0		
SMH4020S	5.00	127.00	9.0	166.5		
SMH4022S	5.50	139.70	8.0	163.2		
SMH4024S	6.00	152.40	7.5	166.5		
SMH4048S	12.00	304.80	3.5	155.4		
1 25.5MM	1/2 13MM	SMH5004S	1.00	25.40	82.7	306.0
		SMH5005S	1.25	31.75	65.3	300.4
		SMH5006S	1.50	38.10	53.8	301.3
		SMH5007S	1.75	44.45	46.1	299.7
		SMH5008S	2.00	50.80	40.0	296.0
		SMH5010S	2.50	63.50	32.2	299.5
		SMH5012S	3.00	76.20	26.7	296.4
		SMH5014S	3.50	88.90	22.9	297.7
		SMH5016S	4.00	101.60	20.2	299.0
		SMH5018S	4.50	114.30	17.8	297.3
		SMH5020S	5.00	127.00	15.7	290.5
		SMH5022S	5.50	139.70	13.7	279.5
		SMH5024S	6.00	152.40	12.5	277.5
		SMH5028S	7.00	177.80	10.9	282.3
		SMH5032S	8.00	203.20	9.6	284.6
		SMH5048S	12.00	304.80	6.5	288.6

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 37% DEFLEC. (LBS)**
			INCH	MM		
1/4 32MM	5/16 16MM	SMH6006S	1.50	38.10	114.4	640.6
		SMH6007S	1.75	44.45	100.8	655.2
		SMH6008S	2.00	50.80	83.8	620.1
		SMH6010S	2.50	63.50	62.4	580.3
		SMH6012S	3.00	76.20	51.2	568.3
		SMH6014S	3.50	88.90	44.0	572.0
		SMH6016S	4.00	101.60	38.1	563.9
		SMH6018S	4.50	114.30	32.9	549.4
		SMH6020S	5.00	127.00	30.0	555.0
		SMH6022S	5.50	139.70	26.4	538.6
		SMH6024S	6.00	152.40	25.0	555.0
		SMH6028S	7.00	177.80	21.0	553.9
		SMH6032S	8.00	203.20	18.4	544.6
		SMH6040S	10.00	254.00	14.5	536.5
		SMH6048S	12.00	304.80	12.4	550.6
		1/2 38.5MM	3/4 19.5MM	SMH7008S	2.00	50.80
SMH7010S	2.50			63.50	81.2	755.2
SMH7012S	3.00			76.20	62.4	692.6
SMH7014S	3.50			88.90	54.0	702.0
SMH7016S	4.00			101.60	46.5	688.2
SMH7018S	4.50			114.30	41.0	684.7
SMH7020S	5.00			127.00	36.8	680.8
SMH7022S	5.50			139.70	33.0	680.8
SMH7024S	6.00			152.40	29.5	673.2
SMH7028S	7.00			177.80	25.5	654.9
SMH7032S	8.00			203.20	22.0	651.2
SMH7040S	10.00			254.00	17.6	651.2
2 51MM	1 25.5MM	SMH8010S	2.50	63.50	118.4	1101.1
		SMH8012S	3.00	76.20	93.0	1032.3
		SMH8014S	3.50	88.90	78.2	1016.6
		SMH8016S	4.00	101.60	66.4	982.7
		SMH8018S	4.50	114.30	60.0	1002.0
		SMH8020S	5.00	127.00	53.4	987.9
		SMH8022S	5.50	139.70	49.0	999.6
		SMH8024S	6.00	152.40	45.0	999.0
		SMH8028S	7.00	177.80	37.4	968.7
		SMH8032S	8.00	203.20	33.0	976.8
		SMH8040S	10.00	254.00	26.0	962.0
		SMH8048S	12.00	304.80	21.5	954.6

MOLD ASSEMBLY

Mold and Die Springs Heavy Duty (Color-Coded Silver with Gold Stripe)



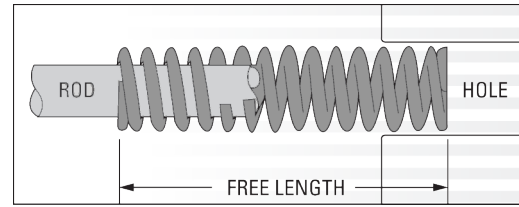
(LBS x .454 = kg)

Heavy Duty Mold and Die Springs (Silver with Gold Stripe) – SHD

Maximum Deflection: 30% of Free Length

Efficient Operating Range: 15% to 20% of Free Length

Special trapezoidal-shaped, round-cornered chromium alloy, provides high resistance to shock loads, increased deflection, wider operating temperatures and longer life. Color-coded by work range to simplify selection and specification.



NOTE: **DEFLECTION VALUES NEAR SOLID INTENDED FOR DESIGN INFORMATION ONLY.

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 30% DEFLEC. (LBS)**
			INCH	MM		
3/8 9.5MM	3/16 4.7MM	SHD1004S	1.00	25.40	11.6	34.8
		SHD1005S	1.25	31.75	9.8	37.2
		SHD1006S	1.50	38.10	8.0	36.0
		SHD1007S	1.75	44.45	7.5	39.8
		SHD1008S	2.00	50.80	6.2	37.2
		SHD1010S	2.50	63.50	5.0	37.5
		SHD1012S	3.00	76.20	4.1	36.9
		SHD1048S	12.00	304.80	1.1	39.6
		SHD2004S	1.00	25.40	22.5	67.5
		SHD2005S	1.25	31.75	18.2	69.2
1/2 13MM	9/32 7MM	SHD2006S	1.50	38.10	14.8	66.6
		SHD2007S	1.75	44.45	12.6	66.8
		SHD2008S	2.00	50.80	11.0	66.0
		SHD2010S	2.50	63.50	8.6	64.5
		SHD2012S	3.00	76.20	7.4	66.6
		SHD2014S	3.50	88.90	6.0	63.0
		SHD2048S	12.00	304.80	1.7	61.2
		SHD3004S	1.00	25.40	42.4	127.2
		SHD3005S	1.25	31.75	32.5	123.5
		SHD3006S	1.50	38.10	28.0	126.0
5/8 16MM	11/32 8.7MM	SHD3007S	1.75	44.45	24.0	127.2
		SHD3008S	2.00	50.80	20.8	124.8
		SHD3010S	2.50	63.50	17.0	127.5
		SHD3012S	3.00	76.20	14.0	126.0
		SHD3014S	3.50	88.90	12.2	128.1
		SHD3016S	4.00	101.60	10.8	129.6
		SHD3048S	12.00	304.80	3.0	108.0
		SHD4004S	1.00	25.40	108.0	324.0
		SHD4005S	1.25	31.75	88.0	334.4
		SHD4006S	1.50	38.10	69.0	310.5
3/4 19.5MM	3/8 9.5MM	SHD4007S	1.75	44.45	60.0	318.0
		SHD4008S	2.00	50.80	51.5	309.0
		SHD4010S	2.50	63.50	40.0	300.0
		SHD4012S	3.00	76.20	33.0	297.0
		SHD4014S	3.50	88.90	29.0	304.5
		SHD4016S	4.00	101.60	25.0	300.0
		SHD4018S	4.50	114.30	22.0	297.0
		SHD4020S	5.00	127.00	19.5	292.5
		SHD4022S	5.50	139.70	17.8	293.7
		SHD4024S	6.00	152.40	16.0	288.0
1 25.5MM	1/2 13MM	SHD4048S	12.00	304.80	8.0	288.0
		SHD5004S	1.00	25.40	193.2	579.6
		SHD5005S	1.25	31.75	146.5	556.7
		SHD5006S	1.50	38.10	120.0	540.0
		SHD5007S	1.75	44.45	104.0	551.2
		SHD5008S	2.00	50.80	87.2	523.2
		SHD5010S	2.50	63.50	66.5	498.8
		SHD5012S	3.00	76.20	54.4	489.6
		SHD5014S	3.50	88.90	45.6	478.8
		SHD5016S	4.00	101.60	40.0	480.0
		SHD5018S	4.50	114.30	35.2	475.2
		SHD5020S	5.00	127.00	31.2	468.0
		SHD5022S	5.50	139.70	28.8	475.2
		SHD5024S	6.00	152.40	25.6	460.8
		SHD5028S	7.00	177.80	22.4	470.4
		SHD5032S	8.00	203.20	19.2	460.8
		SHD5048S	12.00	304.80	12.8	460.8

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 30% DEFLEC. (LBS)**		
			INCH	MM				
1/4 32MM	5/8 16MM	SHD6006S	1.50	38.10	220.0	990.0		
		SHD6007S	1.75	44.45	181.6	962.5		
		SHD6008S	2.00	50.80	149.6	897.6		
		SHD6010S	2.50	63.50	117.6	882.0		
		SHD6012S	3.00	76.20	95.2	856.8		
		SHD6014S	3.50	88.90	78.0	819.0		
		SHD6016S	4.00	101.60	66.4	796.8		
		SHD6018S	4.50	114.30	58.4	788.4		
		SHD6020S	5.00	127.00	53.0	795.0		
		SHD6022S	5.50	139.70	47.2	778.8		
		SHD6024S	6.00	152.40	45.0	810.0		
		SHD6028S	7.00	177.80	36.8	772.8		
		SHD6032S	8.00	203.20	32.8	787.2		
		SHD6040S	10.00	254.00	25.6	768.0		
		SHD6048S	12.00	304.80	22.0	792.0		
		1/2 38.5MM	3/4 19.5MM	SHD7008S	2.00	50.80	198.0	1188.0
SHD7010S	2.50			63.50	155.0	1162.5		
SHD7012S	3.00			76.20	130.0	1170.0		
SHD7014S	3.50			88.90	106.4	1117.2		
SHD7016S	4.00			101.60	91.2	1094.4		
SHD7018S	4.50			114.30	81.6	1101.6		
SHD7020S	5.00			127.00	73.0	1095.0		
SHD7022S	5.50			139.70	67.0	1105.5		
SHD7024S	6.00			152.40	58.4	1051.2		
SHD7028S	7.00			177.80	49.6	1041.6		
SHD7032S	8.00			203.20	43.2	1036.8		
SHD7040S	10.00			254.00	36.2	1086.0		
SHD7048S	12.00			304.80	30.0	1080.0		
2 51MM	1 25.5MM			SHD8010S	2.50	63.50	251.2	1884.0
				SHD8012S	3.00	76.20	206.0	1854.0
				SHD8014S	3.50	88.90	170.0	1785.0
		SHD8016S	4.00	101.60	150.0	1800.0		
		SHD8018S	4.50	114.30	127.2	1717.2		
		SHD8020S	5.00	127.00	118.6	1779.0		
		SHD8022S	5.50	139.70	107.7	1777.1		
		SHD8024S	6.00	152.40	97.7	1777.1		
		SHD8028S	7.00	177.80	82.0	1722.0		
		SHD8032S	8.00	203.20	73.0	1752.0		
		SHD8040S	10.00	254.00	57.2	1716.0		
		SHD8048S	12.00	304.80	47.7	1717.2		

MOLD ASSEMBLY

Mold and Die Springs Extra Heavy Duty (Color-Coded Silver with Green Stripe)

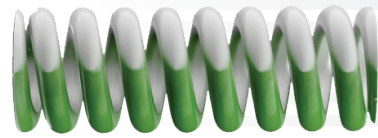
Extra Heavy Duty Mold and Die Springs (Silver with Green Stripe) – SEH

Maximum Deflection: 25% of Free Length

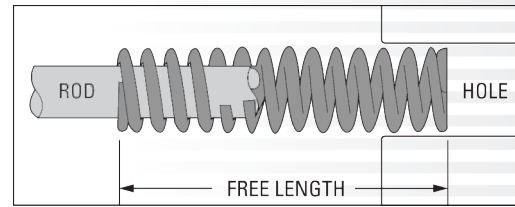
Efficient Operating Range: 15% of Free Length

Special trapezoidal-shaped, round-cornered chromium alloy, provides high resistance to shock loads, increased deflection, wider operating temperatures and longer life. Color-coded by work range to simplify selection and specification.

NOTE: **DEFLECTION VALUES NEAR SOLID INTENDED FOR DESIGN INFORMATION ONLY.



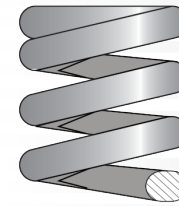
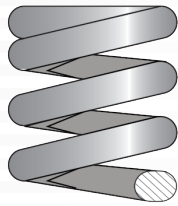
(LBS x .454 = kg)



HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 25% DEFLEC. (LBS)**
			INCH	MM		
3/8 9.5MM	3/16 4.7MM	SEH1004S	1.00	25.40	21.0	52.5
		SEH1005S	1.25	31.75	14.6	45.3
		SEH1006S	1.50	38.10	12.5	47.5
		SEH1007S	1.75	44.45	10.5	46.2
		SEH1008S	2.00	50.80	9.0	45.0
		SEH1010S	2.50	63.50	7.5	47.3
		SEH1012S	3.00	76.20	6.3	47.3
		SEH1048S	12.00	304.80	1.5	45.0
		1/2 13MM	3/32 7MM	SEH2004S	1.00	25.40
SEH2005S	1.25			31.75	24.0	74.4
SEH2006S	1.50			38.10	19.2	73.0
SEH2007S	1.75			44.45	17.0	74.8
SEH2008S	2.00			50.80	14.0	70.0
SEH2010S	2.50			63.50	11.5	72.5
SEH2012S	3.00			76.20	9.4	70.5
SEH2014S	3.50			88.90	8.0	70.4
SEH2048S	12.00			304.80	2.4	72.0
5/8 16MM	1/16 8.7MM			SEH3004S	1.00	25.40
		SEH3005S	1.25	31.75	43.8	135.8
		SEH3006S	1.50	38.10	37.0	140.6
		SEH3007S	1.75	44.45	31.0	136.4
		SEH3008S	2.00	50.80	28.0	140.0
		SEH3010S	2.50	63.50	22.0	138.6
		SEH3012S	3.00	76.20	19.0	142.5
		SEH3014S	3.50	88.90	15.4	135.5
		SEH3016S	4.00	101.60	13.5	135.0
		SEH3048S	12.00	304.80	4.5	135.0
3/4 19.5MM	3/8 9.5MM	SEH4004S	1.00	25.40	140.0	350.0
		SEH4005S	1.25	31.75	110.0	341.0
		SEH4006S	1.50	38.10	89.0	338.2
		SEH4007S	1.75	44.45	75.0	330.0
		SEH4008S	2.00	50.80	66.0	330.0
		SEH4010S	2.50	63.50	50.0	315.0
		SEH4012S	3.00	76.20	40.5	303.8
		SEH4014S	3.50	88.90	34.5	303.6
		SEH4016S	4.00	101.60	30.0	300.0
		SEH4018S	4.50	114.30	26.5	299.5
		SEH4020S	5.00	127.00	23.5	293.8
		SEH4022S	5.50	139.70	21.5	296.7
		SEH4024S	6.00	152.40	19.5	292.5
		SEH4048S	12.00	304.80	9.5	285.0
		1" 25.5MM	1/2 13MM	SEH5006S	1.50	38.10
SEH5008S	2.00			50.80	116.0	580.0
SEH5010S	2.50			63.50	89.6	564.5
SEH5012S	3.00			76.20	73.6	552.0
SEH5014S	3.50			88.90	62.4	549.1
SEH5016S	4.00			101.60	55.2	552.0
SEH5018S	4.50			114.30	48.8	551.4
SEH5020S	5.00			127.00	43.2	540.0
SEH5024S	6.00			152.40	36.0	540.0
SEH5048S	12.00			304.80	17.6	528.0

HOLE DIA	ROD DIA	ITEM NUMBER	FREE LENGTH		APPROX LOAD AT 1/10" DEFLEC. (LBS)	LOAD AT 25% DEFLEC. (LBS)**
			INCH	MM		
1 1/4 32MM	3/8 16MM	SEH6008S	2.00	50.80	205.0	1025.0
		SEH6010S	2.50	63.50	152.5	960.8
		SEH6012S	3.00	76.20	122.0	915.0
		SEH6014S	3.50	88.90	108.5	954.8
		SEH6016S	4.00	101.60	89.0	890.0
		SEH6018S	4.50	114.30	83.5	943.6
		SEH6020S	5.00	127.00	70.0	875.0
		SEH6024S	6.00	152.40	57.5	862.5
		SEH6032S	8.00	203.20	46.0	920.0
		SEH6040S	10.00	254.00	34.5	862.5
1 1/2 38.5MM	3/4 19.5MM	SEH7008S	2.00	50.80	408.5	2042.5
		SEH7010S	2.50	63.50	328.5	2069.6
		SEH7012S	3.00	76.20	255.0	1912.5
		SEH7014S	3.50	88.90	213.5	1878.8
		SEH7016S	4.00	101.60	184.5	1845.0
		SEH7018S	4.50	114.30	162.5	1836.3
		SEH7020S	5.00	127.00	145.0	1812.5
		SEH7024S	6.00	152.40	120.5	1807.5
		SEH7032S	8.00	203.20	90.5	1810.0
		SEH7040S	10.00	254.00	71.0	1775.0
2 51MM	1 25.5MM	SEH8048S	12.00	304.80	55.0	1650.0
		SEH8010S	2.50	63.50	411.0	2589.3
		SEH8012S	3.00	76.20	319.0	2392.5
		SEH8014S	3.50	88.90	276.4	2432.3
		SEH8016S	4.00	101.60	231.1	2311.0
		SEH8018S	4.50	114.30	188.8	2133.4
		SEH8020S	5.00	127.00	180.4	2255.0
		SEH8024S	6.00	152.40	147.3	2209.5
		SEH8032S	8.00	203.20	111.6	2232.0
		SEH8040S	10.00	254.00	84.0	2210.0

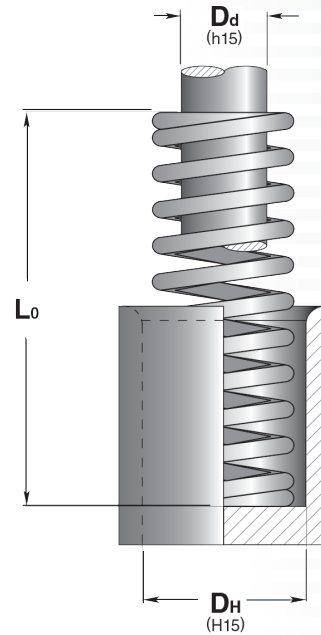
RANGE OVERVIEW



DH	Dd	Lo	Medium Duty		Medium Heavy Duty		Heavy Duty		Extra Heavy Duty		Medium Duty	
			US series	Max. Defl. 50% L ₀	US series	Max. Defl. 37% L ₀	US series	Max. Defl. 30% L ₀	US series	Max. Defl. 25% L ₀	US series	Max. Defl. 50% L ₀
			R ± 10%	R ± 10%	R ± 10%	R ± 10%	R ± 10%	R ± 10%	R ± 10%			R ± 10%
mm	mm	mm	N/mm	N/mm	N/mm	N/mm	N/mm	N/mm	N/mm	mm	mm	N/mm
9.53	4.76	25.40	10.5	14.7	20.3	36.8	127.00	16.8	25.40	12.70	139.70	15.4
		31.75	8.8	12.8	17.2	25.6	152.40	14.0			177.80	12.6
		38.10	7.4	11.7	14.0	21.9	203.20	10.5			304.80	7.0
		44.45	6.5	10.2	13.1	18.4	38.10	86.9			44.45	71.1
		50.80	5.4	8.8	10.9	15.8	50.80	65.8			50.80	65.8
		63.50	4.6	6.5	8.8	13.1	63.50	50.4			63.50	50.4
		76.20	3.7	5.3	7.2	11.0	76.20	42.0			76.20	42.0
304.80	1.1	1.4	1.9	2.6	304.80	35.0	304.80	35.0				
12.70	7.14	25.40	19.3	27.1	39.4	54.3	114.30	28.0	31.75	15.88	114.30	28.0
		31.75	14.4	21.4	31.9	42.0	127.00	25.0			127.00	25.0
		38.10	11.9	17.2	25.9	33.6	139.70	22.4			139.70	22.4
		44.45	10.5	14.9	22.1	29.8	152.40	21.0			152.40	21.0
		50.80	9.6	13.1	19.3	24.5	177.80	18.2			177.80	18.2
		63.50	7.9	10.5	15.1	20.1	203.20	15.4			203.20	15.4
		76.20	6.1	8.9	13.0	16.5	254.00	12.6			254.00	12.6
		88.90	5.3	7.0	10.5	14.0	304.80	10.5			304.80	10.5
		101.60	4.5	6.4	9.3	12.5	50.80	92.8			50.80	92.8
		114.30	4.0	-	-	-	63.50	74.8			63.50	74.8
		139.70	3.5	-	-	-	76.20	63.0			76.20	63.0
		165.10	2.5	-	-	-	88.90	52.5			88.90	52.5
		190.50	2.1	-	-	-	101.60	43.6			101.60	43.6
304.80	1.2	1.9	3.0	4.2	114.30	40.3	114.30	40.3				
15.88	8.70	25.40	28.7	52.5	74.2	110.3	127.00	36.8	38.10	19.05	127.00	36.8
		31.75	21.7	37.7	56.9	76.7	139.70	32.4			139.70	32.4
		38.10	18.9	33.3	49.0	64.8	152.40	29.8			152.40	29.8
		44.45	16.8	29.4	42.0	54.3	177.80	26.8			177.80	26.8
		50.80	15.1	27.1	36.4	49.0	203.20	23.1			203.20	23.1
		63.50	11.4	20.1	29.8	38.5	254.00	18.6			254.00	18.6
		76.20	10.2	17.5	24.5	33.3	304.80	14.9			304.80	14.9
		88.90	8.8	14.9	21.4	27.0	63.50	175.1			63.50	175.1
		101.60	7.7	13.3	18.9	23.6	76.20	145.3			76.20	145.3
		114.30	6.7	11.5	16.7	21.1	88.90	118.5			88.90	118.5
		139.70	5.3	9.3	13.0	17.9	101.60	105.1			101.60	105.1
		165.10	4.6	6.6	9.3	12.5	114.30	92.8			114.30	92.8
		190.50	3.7	5.3	7.2	9.6	127.00	82.3			127.00	82.3
304.80	2.2	2.9	4.0	5.3	139.70	70.9	139.70	70.9				
19.05	9.50	25.40	56.0	87.6	120.8	155.8	152.40	68.3	50.80	25.40	152.40	68.3
		31.75	44.8	66.5	92.0	115.6	177.80	54.6			177.80	54.6
		38.10	35.0	54.3	70.0	87.6	203.20	49.9			203.20	49.9
		44.45	30.8	47.3	60.2	70.9	254.00	37.8			254.00	37.8
		50.80	26.3	42.0	50.8	60.4	304.80	32.4			304.80	32.4
		63.50	21.0	32.9	43.8	52.5	76.20	189.3			76.20	189.3
		76.20	17.7	26.1	35.8	46.4	88.90	156.9			88.90	156.9
		88.90	14.5	22.4	30.8	41.1	101.60	133.4			101.60	133.4
		101.60	13.1	19.3	26.1	37.6	114.30	116.7			114.30	116.7
		114.30	11.2	17.5	23.8	34.1	127.00	104.0			127.00	104.0
		127.00	10.5	15.8	21.4	31.2	139.70	93.1			139.70	93.1
		139.70	9.6	14.0	19.3	28.0	152.40	84.3			152.40	84.3
		152.40	8.8	13.1	17.5	25.4	177.80	72.6			177.80	72.6
165.10	8.2	-	-	-	203.20	62.8	203.20	62.8				
190.50	6.7	-	-	-	228.60	-	228.60	-				
304.80	4.2	6.1	14.0	16.6	254.00	47.1	254.00	47.1				
25.40	12.70	25.40	96.3	144.8	210.1	280.2	304.80	41.0	63.50	38.10	304.80	41.0
		31.75	78.8	114.3	164.4	228.6	76.20	189.3			76.20	189.3
		38.10	65.3	94.2	133.7	189.3	88.90	156.9			88.90	156.9
		44.45	56.0	80.7	114.3	156.9	101.60	133.4			101.60	133.4
		50.80	46.9	70.0	101.6	139.7	114.30	116.7			114.30	116.7
		63.50	36.6	56.4	81.3	116.7	127.00	104.0			127.00	104.0
		76.20	29.9	46.8	68.3	101.6	139.70	93.1			139.70	93.1
		88.90	25.4	40.1	59.1	84.3	152.40	84.3			152.40	84.3
		101.60	21.9	35.4	50.8	72.6	177.80	72.6			177.80	72.6
		114.30	19.3	31.2	44.8	62.8	203.20	62.8			203.20	62.8
							228.60	-			228.60	-
							254.00	47.1			254.00	47.1
							304.80	41.0			304.80	41.0

LEGEND

Medium Heavy Duty	Heavy Duty	Extra Heavy Duty
US series	US series	US series
Max. Defl. 37% L ₀	Max. Defl. 30% L ₀	Max. Defl. 25% L ₀
R ± 10%	R ± 10%	R ± 10%
N/mm	N/mm	N/mm
27.5	54.6	75.6
24.0	50.4	68.9
21.9	44.8	63.0
19.1	39.2	53.4
16.8	33.6	46.5
11.4	22.4	30.8
200.3	385.2	471.1
176.5	318.0	415.0
146.7	261.9	359.0
109.3	205.9	267.0
89.7	166.7	213.6
77.1	136.6	190.0
66.7	116.3	155.8
57.6	102.3	146.2
52.5	92.8	122.6
46.2	82.6	110.0
43.8	78.8	100.7
36.8	64.4	90.0
32.2	57.4	80.5
25.4	44.8	60.4
21.7	38.5	47.3
180.4	346.7	715.3
142.2	271.4	575.2
109.3	227.6	446.5
94.6	186.3	373.8
81.4	159.7	323.1
71.8	142.9	284.5
64.4	127.8	253.9
57.8	117.3	229.0
51.7	102.3	211.0
44.7	86.8	180.0
38.5	75.6	158.5
30.8	63.4	124.3
25.2	52.5	96.3
207.3	439.9	719.7
162.8	360.7	558.6
136.9	297.7	484.0
116.3	262.7	404.7
105.1	222.7	330.6
93.5	207.7	315.9
85.8	188.6	280.0
78.8	171.1	257.9
65.5	143.6	220.0
57.8	127.8	195.4
45.5	100.2	154.8
37.6	83.5	124.7
300.1	-	-
256.0	-	-
225.0	-	-
196.0	-	-
176.0	-	-
159.0	-	-
144.0	-	-
120.0	-	-
104.5	-	-
92.0	-	-
82.0	-	-
66.0	-	-



D_H	Hole diameter Diámetro del agujero de alojamiento														
D_d	Rod diameter Diámetro de la clavija de guía														
L₀	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Spring free length Longitud libre del muelle</td> <td style="text-align: center;">Tolerance Tolerancia</td> </tr> <tr> <td style="text-align: center;">mm</td> <td style="text-align: center;">mm</td> </tr> <tr> <td style="text-align: center;">From 25 to 51</td> <td style="text-align: center;">+ 2.4 - 0</td> </tr> <tr> <td style="text-align: center;">From 64 to 115</td> <td style="text-align: center;">+ 3.2 - 0</td> </tr> <tr> <td style="text-align: center;">From 127 to 178</td> <td style="text-align: center;">+ 4.8 - 0</td> </tr> <tr> <td style="text-align: center;">From 203 to 229</td> <td style="text-align: center;">+ 6.4 - 0</td> </tr> <tr> <td style="text-align: center;">From 254 to 305</td> <td style="text-align: center;">+ 9.5 - 0</td> </tr> </table>	Spring free length Longitud libre del muelle	Tolerance Tolerancia	mm	mm	From 25 to 51	+ 2.4 - 0	From 64 to 115	+ 3.2 - 0	From 127 to 178	+ 4.8 - 0	From 203 to 229	+ 6.4 - 0	From 254 to 305	+ 9.5 - 0
Spring free length Longitud libre del muelle	Tolerance Tolerancia														
mm	mm														
From 25 to 51	+ 2.4 - 0														
From 64 to 115	+ 3.2 - 0														
From 127 to 178	+ 4.8 - 0														
From 203 to 229	+ 6.4 - 0														
From 254 to 305	+ 9.5 - 0														
R	Spring rate (N/mm) - load required to deflect by 1mm deflection Carga (N/mm) necesaria para desviar el muelle de 1mm														
Max. Defl.	Deflection values near solid are intended for design information ONLY Los valores de deflexión por muelle a bloque están destinados SOLAMENTE a información de diseño														