

Heavy Duty - Gold

Heavy Duty Die Springs (Gold) – SHD

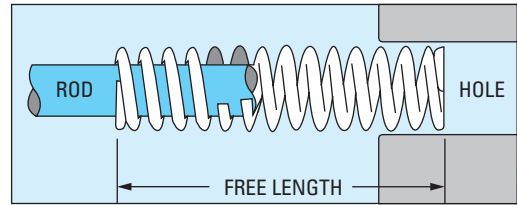
Maximum Deflection: 30% of Free Length

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

Manufactured by Raymond® from a special rectangular-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)



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	SHD1004	1.00	25.40	11.0	33.0		
		SHD1005	1.25	31.75	9.8	36.8		
		SHD1006	1.50	38.10	8.0	36.0		
		SHD1007	1.75	44.45	8.4	44.1		
		SHD1008	2.00	50.80	7.2	43.2		
		SHD1010	2.50	63.50	5.5	41.3		
		SHD1012	3.00	76.20	4.2	37.8		
		SHD1048	12.00	304.80	1.2	43.2		
		WIRE .054 X .072		SHD2004	1.00	25.40	23.6	70.8
		1/2 13MM	9/32 7MM	SHD2005	1.25	31.75	18.6	69.8
SHD2006	1.50			38.10	15.5	69.8		
SHD2007	1.75			44.45	13.8	72.5		
SHD2008	2.00			50.80	11.0	66.0		
SHD2010	2.50			63.50	8.4	63.0		
SHD2012	3.00			76.20	7.4	66.6		
SHD2014	3.50			88.90	6.0	63.0		
SHD2048	12.00			304.80	1.6	57.6		
WIRE .072 X .095				SHD3004	1.00	25.40	42.4	127.2
5/8 16MM	11/32 8.7MM			SHD3005	1.25	31.75	29.6	111.0
		SHD3006	1.50	38.10	27.2	122.4		
		SHD3007	1.75	44.45	24.0	126.0		
		SHD3008	2.00	50.80	20.8	124.8		
		SHD3010	2.50	63.50	17.0	127.5		
		SHD3012	3.00	76.20	14.4	129.6		
		SHD3014	3.50	88.90	12.2	128.1		
		SHD3016	4.00	101.60	10.8	129.6		
		SHD3048	12.00	304.80	3.0	108.0		
		WIRE .093 X .125		SHD4004	1.00	25.40	108.0	324.0
3/4 19.5MM	3/8 9.5MM	SHD4005	1.25	31.75	88.0	330.0		
		SHD4006	1.50	38.10	65.6	295.2		
		SHD4007	1.75	44.45	60.0	315.0		
		SHD4008	2.00	50.80	49.6	297.6		
		SHD4010	2.50	63.50	40.0	300.0		
		SHD4012	3.00	76.20	34.0	306.0		
		SHD4014	3.50	88.90	28.0	294.0		
		SHD4016	4.00	101.60	25.0	300.0		
		SHD4018	4.50	114.30	22.0	297.0		
		SHD4020	5.00	127.00	19.5	292.5		
SHD4022	5.50	139.70	17.0	280.5				
SHD4024	6.00	152.40	16.0	288.0				
SHD4048	12.00	304.80	8.0	288.0				
WIRE .125 X .165		SHD5004	1.00	25.40	208.0	624.0		
1 25.5MM	1/2 13MM	SHD5005	1.25	31.75	171.2	642.0		
		SHD5006	1.50	38.10	118.4	532.8		
		SHD5007	1.75	44.45	104.0	546.0		
		SHD5008	2.00	50.80	90.0	540.0		
		SHD5010	2.50	63.50	68.0	510.0		
		SHD5012	3.00	76.20	54.4	489.6		
		SHD5014	3.50	88.90	45.6	478.8		
		SHD5016	4.00	101.60	40.0	480.0		
		SHD5018	4.50	114.30	35.2	475.2		
		SHD5020	5.00	127.00	31.2	468.0		
SHD5022	5.50	139.70	28.8	475.2				
SHD5024	6.00	152.40	25.6	460.8				
SHD5028	7.00	177.80	22.4	470.4				
SHD5032	8.00	203.20	19.2	460.8				
SHD5048	12.00	304.80	12.0	432.0				
WIRE .158 X .225								

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	SHD6006	1.50	38.10	212.0	954.0
		SHD6007	1.75	44.45	181.6	953.4
		SHD6008	2.00	50.80	149.6	897.6
		SHD6010	2.50	63.50	117.6	882.0
		SHD6012	3.00	76.20	95.2	856.8
		SHD6014	3.50	88.90	75.2	789.6
		SHD6016	4.00	101.60	66.4	796.8
		SHD6018	4.50	114.30	58.4	788.4
		SHD6020	5.00	127.00	53.0	795.0
		SHD6022	5.50	139.70	47.2	778.8
SHD6024	6.00	152.40	42.4	763.2		
SHD6028	7.00	177.80	36.8	772.8		
SHD6032	8.00	203.20	32.8	787.2		
WIRE .200 X .295		SHD6040	10.00	254.00	25.6	768.0
1 1/2 38.5MM	3/4 19.5MM	SHD6048	12.00	304.80	20.8	748.8
		SHD7008	2.00	50.80	190.4	1142.4
		SHD7010	2.50	63.50	155.0	1162.5
		SHD7012	3.00	76.20	130.0	1170.0
		SHD7014	3.50	88.90	106.4	1117.2
		SHD7016	4.00	101.60	91.2	1094.4
		SHD7018	4.50	114.30	78.4	1058.4
		SHD7020	5.00	127.00	71.2	1068.0
		SHD7022	5.50	139.70	64.0	1056.0
		SHD7024	6.00	152.40	58.4	1051.2
SHD7028	7.00	177.80	49.6	1041.6		
SHD7032	8.00	203.20	43.2	1036.8		
SHD7040	10.00	254.00	34.4	1032.0		
SHD7048	12.00	304.80	28.8	1036.8		
WIRE .225 X .350		SHD8010	2.50	63.50	260.0	1950.0
2 51MM	1 25.5MM	SHD8012	3.00	76.20	200.0	1800.0
		SHD8014	3.50	88.90	170.0	1785.0
		SHD8016	4.00	101.60	150.0	1800.0
		SHD8018	4.50	114.30	120.0	1620.0
		SHD8020	5.00	127.00	110.0	1650.0
		SHD8022	5.50	139.70	100.0	1650.0
		SHD8024	6.00	152.40	94.0	1692.0
		SHD8028	7.00	177.80	82.0	1722.0
		SHD8032	8.00	203.20	73.0	1752.0
		SHD8040	10.00	254.00	55.0	1650.0
SHD8048	12.00	304.80	42.0	1512.0		
WIRE .280 X .470						

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