

Medium Duty - Blue

Medium Duty Die Springs (Blue) – SMD

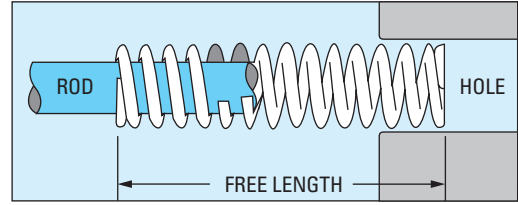
Maximum Deflection: 50% of Free Length

Efficient Operating Range: 25% to 35% 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 50% DEFLEC. (LBS)		
			INCH	MM				
3/8 9.5MM	3/16 4.7MM	SMD1004	1.00	25.40	6.0	30.0		
		SMD1005	1.25	31.75	5.4	33.8		
		SMD1006	1.50	38.10	4.0	30.0		
		SMD1007	1.75	44.45	3.4	29.8		
		SMD1008	2.00	50.80	2.8	28.0		
		SMD1010	2.50	63.50	2.4	30.0		
		SMD1012	3.00	76.20	2.1	31.5		
		SMD1048	12.00	304.80	0.6	36.0		
		WIRE .039 X .070						
		1/2 13MM	9/32 7MM	SMD2004	1.00	25.40	11.0	55.0
SMD2005	1.25			31.75	8.2	51.3		
SMD2006	1.50			38.10	6.8	51.0		
SMD2007	1.75			44.45	6.0	52.5		
SMD2008	2.00			50.80	5.5	55.0		
SMD2010	2.50			63.50	4.5	56.3		
SMD2012	3.00			76.20	3.5	52.5		
SMD2014	3.50			88.90	3.0	52.5		
SMD2018	4.50			114.30	2.5	56.3		
SMD2022	5.50			139.70	2.1	57.8		
WIRE .052 X .093								
5/8 16MM	11/32 8.7MM	SMD3004	1.00	25.40	16.4	82.0		
		SMD3005	1.25	31.75	12.8	80.0		
		SMD3006	1.50	38.10	10.8	81.0		
		SMD3007	1.75	44.45	9.6	84.0		
		SMD3008	2.00	50.80	8.8	88.0		
		SMD3010	2.50	63.50	6.0	75.0		
		SMD3012	3.00	76.20	5.6	84.0		
		SMD3014	3.50	88.90	4.8	84.0		
		SMD3016	4.00	101.60	4.4	88.0		
		SMD3048	12.00	304.80	1.6	96.0		
WIRE .069 X .109								
3/4 19.5MM	3/8 9.5MM	SMD4004	1.00	25.40	31.2	156.0		
		SMD4005	1.25	31.75	25.6	160.0		
		SMD4006	1.50	38.10	20.0	150.0		
		SMD4007	1.75	44.45	17.6	154.0		
		SMD4008	2.00	50.80	14.4	144.0		
		SMD4010	2.50	63.50	12.0	150.0		
		SMD4012	3.00	76.20	9.6	144.0		
		SMD4014	3.50	88.90	8.0	140.0		
		SMD4016	4.00	101.60	7.2	144.0		
		SMD4018	4.50	114.30	6.4	144.0		
WIRE .075 X .165								
1 25.5MM	1/2 13MM	SMD5004	1.00	25.40	55.0	275.0		
		SMD5005	1.25	31.75	45.0	281.3		
		SMD5006	1.50	38.10	35.0	262.5		
		SMD5007	1.75	44.45	30.0	262.5		
		SMD5008	2.00	50.80	26.0	260.0		
		SMD5010	2.50	63.50	20.0	250.0		

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	SMD5012	3.00	76.20	16.5	247.5
		SMD5014	3.50	88.90	15.0	262.5
		SMD5016	4.00	101.60	12.0	240.0
		SMD5018	4.50	114.30	10.4	234.0
		SMD5020	5.00	127.00	9.6	240.0
		SMD5022	5.50	139.70	8.8	242.0
		SMD5024	6.00	152.40	8.0	240.0
		SMD5028	7.00	177.80	7.2	252.0
		SMD5032	8.00	203.20	6.0	240.0
		SMD5048	12.00	304.80	4.0	240.0
WIRE .100 X .215						
1 1/4 32MM	5/8 16MM	SMD6006	1.50	38.10	49.6	372.0
		SMD6007	1.75	44.45	42.4	371.0
		SMD6008	2.00	50.80	35.2	352.0
		SMD6010	2.50	63.50	28.8	360.0
		SMD6012	3.00	76.20	24.0	360.0
		SMD6014	3.50	88.90	20.0	350.0
		SMD6016	4.00	101.60	17.6	352.0
		SMD6018	4.50	114.30	16.0	360.0
		SMD6020	5.00	127.00	13.6	340.0
		SMD6022	5.50	139.70	12.8	352.0
WIRE .115 X .285						
1 1/2 38.5MM	3/4 19.5MM	SMD6024	6.00	152.40	12.0	360.0
		SMD6028	7.00	177.80	10.4	364.0
		SMD6032	8.00	203.20	8.8	352.0
		SMD6040	10.00	254.00	7.2	360.0
		SMD6048	12.00	304.80	6.0	360.0
		SMD7008	2.00	50.80	53.0	530.0
		SMD7010	2.50	63.50	45.0	562.5
		SMD7012	3.00	76.20	36.0	540.0
		SMD7014	3.50	88.90	30.0	525.0
		SMD7016	4.00	101.60	27.0	540.0
WIRE .135 X .345						
2 51MM	1 25.5MM	SMD7018	4.50	114.30	23.0	517.5
		SMD7020	5.00	127.00	21.0	525.0
		SMD7022	5.50	139.70	18.5	508.8
		SMD7024	6.00	152.40	17.0	510.0
		SMD7028	7.00	177.80	14.5	507.5
		SMD7032	8.00	203.20	12.8	512.0
		SMD7040	10.00	254.00	10.0	500.0
		SMD7048	12.00	304.80	8.0	480.0
		SMD8010	2.50	63.50	100.0	1250.0
		SMD8012	3.00	76.20	83.0	1245.0
WIRE .195 X .468						
1 25.5MM	1/2 13MM	SMD8014	3.50	88.90	64.8	1134.0
		SMD8016	4.00	101.60	60.0	1200.0
		SMD8018	4.50	114.30	53.0	1192.5
		SMD8020	5.00	127.00	47.0	1175.0
		SMD8022	5.50	139.70	39.2	1078.0
		SMD8024	6.00	152.40	39.0	1170.0
		SMD8028	7.00	177.80	31.2	1092.0
		SMD8032	8.00	203.20	28.5	1140.0
		SMD8040	10.00	254.00	20.8	1040.0
		SMD8048	12.00	304.80	17.5	1050.0

All specifications, dimensions and design characteristics shown are subject to change without notice

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