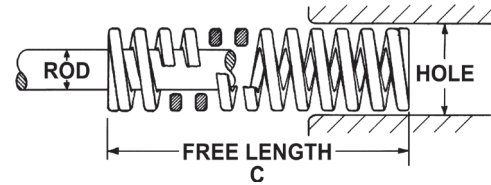
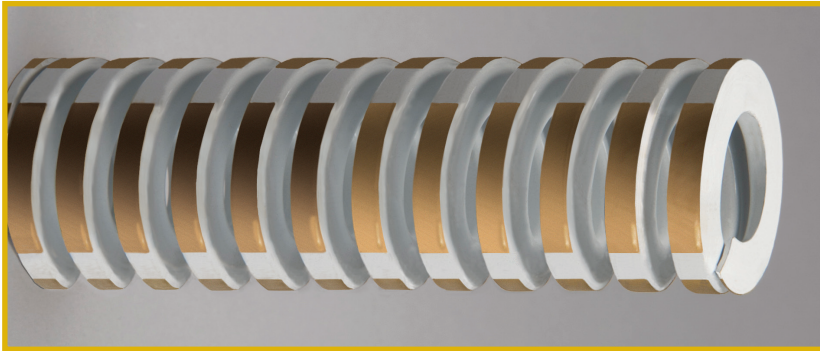


# HEAVY DUTY DIE SPRINGS

## COLOR CODED GOLD STRIPE



Hole Diam. (in)	Rod Diam. (in)	Free Length (in)	Wire Size (in)	CATALOG NUMBER	Pounds @ 1/10 inch defl.	Total Deflection Recommended for Long Life (15% of C)		Total Deflection Recommended for Avg. Life (20% of C)		Maximum Operating Deflection (28% of C)		* Max. Comp. Length (in)
						Load lbs.	Defl. in.	Load lbs.	Defl. in.	Load lbs.	Defl. in.	
3/8	3/16	1.00	0.053 X 0.071	9-0604-3	11.6	17.4	0.15	23.2	0.20	32.5	0.28	0.65
		1.25		9-0605-3	9.8	18.4	0.19	24.5	0.25	34.3	0.35	0.79
		1.50		9-0606-3	8.3	18.7	0.23	24.9	0.30	34.9	0.42	0.87
		1.75		9-0607-3	8.2	21.5	0.26	28.7	0.35	40.2	0.49	0.99
		2.00		9-0608-3	7.1	21.3	0.30	28.4	0.40	39.8	0.56	1.14
		2.50		9-0610-3	5.5	20.6	0.38	27.5	0.50	38.5	0.70	1.41
		3.00		9-0612-3	4.2	18.9	0.45	25.2	0.60	35.3	0.84	1.72
		12.00		9-0648-3	1.1	20.5	1.80	27.4	2.40	38.3	3.36	6.74
1/2	9/32	1.00	0.071 X 0.095	9-0804-3	23.6	35.4	0.15	47.2	0.20	66.1	0.28	0.67
		1.25		9-0805-3	18.6	34.9	0.19	46.5	0.25	65.1	0.35	0.70
		1.50		9-0806-3	15.5	34.9	0.23	46.5	0.30	65.1	0.42	0.81
		1.75		9-0807-3	13.8	36.2	0.26	48.3	0.35	67.6	0.49	1.00
		2.00		9-0808-3	11.0	33.0	0.30	44.0	0.40	61.6	0.56	1.05
		2.50		9-0810-3	8.4	31.5	0.38	42.0	0.50	58.8	0.70	1.32
		3.00		9-0812-3	7.4	33.3	0.45	44.4	0.60	62.2	0.84	1.54
		3.50		9-0814-3	6.0	31.5	0.53	42.0	0.70	58.8	0.98	1.82
12.00	9-0848-3	1.6	28.8	1.80	38.4	2.40	53.8	3.36	6.28			
5/8	11/32	1.00	0.096 X 0.115	9-1004-03	43.0	64.5	0.15	86.0	0.20	120.4	0.28	0.62
		1.25		9-1005-03	32.0	60.0	0.19	80.0	0.25	112.0	0.35	0.78
		1.50		9-1006-03	27.7	62.3	0.23	83.1	0.30	116.3	0.42	0.90
		1.75		9-1007-03	24.0	63.0	0.26	84.0	0.35	117.6	0.49	1.01
		2.00		9-1008-03	20.8	62.4	0.30	83.2	0.40	116.5	0.56	1.18
		2.50		9-1010-03	16.6	62.3	0.38	83.0	0.50	116.2	0.70	1.44
		3.00		9-1012-03	14.0	63.0	0.45	84.0	0.60	117.6	0.84	1.68
		3.50		9-1014-03	11.9	62.5	0.53	83.3	0.70	116.6	0.98	1.95
		4.00		9-1016-03	10.4	62.4	0.60	83.2	0.80	116.5	1.12	2.22
		12.00		9-1048-03	3.1	55.8	1.80	74.4	2.40	104.2	3.36	6.60
3/4	3/8	1.00	0.130 X 0.155	9-1204-03	108.8	163.2	0.15	217.6	0.20	304.6	0.28	0.69
		1.25		9-1205-03	88.0	165.0	0.19	220.0	0.25	308.0	0.35	0.86
		1.50		9-1206-03	68.4	153.9	0.23	205.2	0.30	287.3	0.42	1.02
		1.75		9-1207-03	60.0	157.5	0.26	210.0	0.35	294.0	0.49	1.19
		2.00		9-1208-03	49.8	149.4	0.30	199.2	0.40	278.9	0.56	1.35
		2.50		9-1210-03	40.0	150.0	0.38	200.0	0.50	280.0	0.70	1.71
		3.00		9-1212-03	34.0	153.0	0.45	204.0	0.60	285.6	0.84	2.00
		3.50		9-1214-03	28.0	147.0	0.53	196.0	0.70	274.4	0.98	2.33
		4.00		9-1216-03	25.0	150.0	0.60	200.0	0.80	280.0	1.12	2.67
		4.50		9-1218-03	22.0	148.5	0.68	198.0	0.90	277.2	1.26	3.00
		5.00		9-1220-03	19.5	146.3	0.75	195.0	1.00	273.0	1.40	3.33
		5.50		9-1222-03	17.0	140.3	0.83	187.0	1.10	261.8	1.54	3.66
		6.00		9-1224-03	16.0	144.0	0.90	192.0	1.20	268.8	1.68	3.99
		12.00		9-1248-03	8.0	144.0	1.80	192.0	2.40	268.8	3.36	7.90

\* NOTE: For design purposes only. We do not recommend deflecting a spring to maximum deflection.