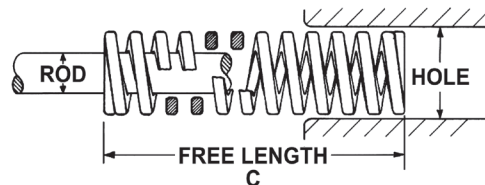
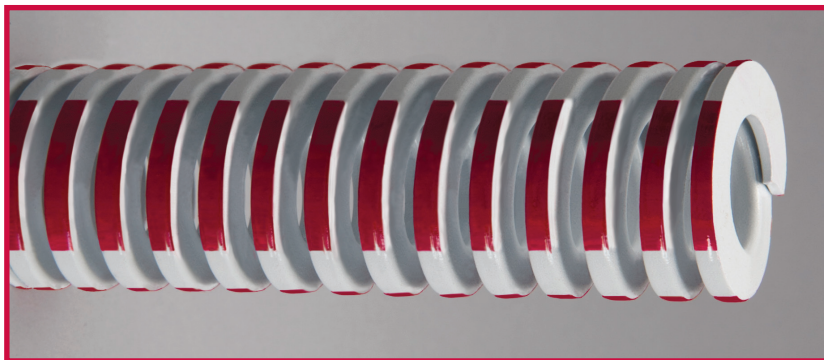


MEDIUM HEAVY DUTY DIE SPRINGS

COLOR CODED RED 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 (20% of C)		Total Deflection Recommended for Avg. Life (25% of C)		Maximum Operating Deflection (35% of C)		* Max. Comp. Length (in)
						Load lbs.	Defl. in.	Load lbs.	Defl. in.	Load lbs.	Defl. in.	
3/8	3/16	1.00	0.045 X 0.070	9-0604-2	9.0	18.0	0.20	22.5	0.25	31.5	0.35	0.58
		1.25		9-0605-2	7.3	18.3	0.25	22.8	0.31	31.9	0.44	0.71
		1.50		9-0606-2	6.7	20.1	0.30	25.1	0.38	35.2	0.53	0.85
		1.75		9-0607-2	5.7	20.0	0.35	24.9	0.44	34.9	0.61	0.95
		2.00		9-0608-2	5.0	20.0	0.40	25.0	0.50	35.0	0.70	1.09
		2.50		9-0610-2	4.0	20.0	0.50	25.0	0.63	35.0	0.88	1.36
		3.00		9-0612-2	3.0	18.0	0.60	22.5	0.75	31.5	1.05	1.69
		12.00		9-0648-2	0.8	19.2	2.40	24.0	3.00	33.6	4.20	6.46
1/2	9/32	1.00	0.060 X 0.095	9-0804-2	16.6	33.2	0.20	41.5	0.25	58.1	0.35	0.50
		1.25		9-0805-2	13.0	32.5	0.25	40.6	0.31	56.9	0.44	0.61
		1.50		9-0806-2	9.9	29.7	0.30	37.1	0.38	52.0	0.53	0.72
		1.75		9-0807-2	8.5	29.8	0.35	37.2	0.44	52.1	0.61	0.84
		2.00		9-0808-2	7.5	30.0	0.40	37.5	0.50	52.5	0.70	0.95
		2.50		9-0810-2	6.0	30.0	0.50	37.5	0.63	52.5	0.88	1.18
		3.00		9-0812-2	5.5	33.0	0.60	41.3	0.75	57.8	1.05	1.40
		3.50		9-0814-2	4.0	28.0	0.70	35.0	0.88	49.0	1.23	1.68
		12.00		9-0848-2	1.2	28.8	2.40	36.0	3.00	50.4	4.20	5.68
		5/8		11/32	1.00	0.086 X 0.112	9-1004-2	30.0	60.0	0.20	75.0	0.25
1.25	9-1005-2		21.5		53.8		0.25	67.2	0.31	94.1	0.44	0.70
1.50	9-1006-2		19.2		57.6		0.30	72.0	0.38	100.8	0.53	0.79
1.75	9-1007-2		16.8		58.8		0.35	73.5	0.44	102.9	0.61	0.92
2.00	9-1008-2		14.8		59.2		0.40	74.0	0.50	103.6	0.70	1.00
2.50	9-1010-2		11.5		57.5		0.50	71.9	0.63	100.6	0.88	1.22
3.00	9-1012-2		10.0		60.0		0.60	75.0	0.75	105.0	1.05	1.43
3.50	9-1014-2		8.5		59.5		0.70	74.4	0.88	104.1	1.23	1.69
4.00	9-1016-2		7.6		60.8		0.80	76.0	1.00	106.4	1.40	1.92
12.00	9-1048-2		2.6		62.4		2.40	78.0	3.00	109.2	4.20	5.70
3/4	3/8	1.00	0.100 X 0.155	9-1204-02	50.0	100.0	0.20	125.0	0.25	175.0	0.35	0.58
		1.25		9-1205-02	38.0	95.0	0.25	118.8	0.31	166.3	0.44	0.72
		1.50		9-1206-02	32.0	96.0	0.30	120.0	0.38	168.0	0.53	0.87
		1.75		9-1207-02	28.5	99.8	0.35	124.7	0.44	174.6	0.61	1.02
		2.00		9-1208-02	24.8	99.2	0.40	124.0	0.50	173.6	0.70	1.16
		2.50		9-1210-02	19.2	96.0	0.50	120.0	0.63	168.0	0.88	1.46
		3.00		9-1212-02	14.4	86.4	0.60	108.0	0.75	151.2	1.05	1.74
		3.50		9-1214-02	12.8	89.6	0.70	112.0	0.88	156.8	1.23	2.02
		4.00		9-1216-02	12.0	96.0	0.80	120.0	1.00	168.0	1.40	2.31
		4.50		9-1218-02	11.0	99.0	0.90	123.8	1.13	173.3	1.58	2.62
		5.00		9-1220-02	9.0	90.0	1.00	112.5	1.25	157.5	1.75	2.86
		5.50		9-1222-02	8.0	88.0	1.10	110.0	1.38	154.0	1.93	3.15
		6.00		9-1224-02	7.5	90.0	1.20	112.5	1.50	157.5	2.10	3.45
		12.00		9-1248-02	3.6	86.4	2.40	108.0	3.00	151.2	4.20	6.78

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