

Coil Springs Direct



Dimensions and load details are nominal.

All stock springs are supplied lightly oiled, other finishes can be supplied on request.

Direction of coiling may be right or left hand.

Stock Code No	Outside Diameter	Length Pull To Pull	Wire Dia	Rate	Initial Tension	Maximum Extension	Outside Diameter	Length Pull To Pull	Wire Dia	Rate	Initial Tension
	INS	INS	INS	LB/INS	LBF	INS	MM	MM	MM	N/MM	N
S01	0.125	0.500	0.015	2.58	0.23	0.500	3.18	12.70	0.38	0.45	1.02
S02	0.125	0.500	0.020	12.82	0.63	0.250	3.18	12.70	0.51	2.25	2.80
S03	0.125	0.750	0.015	1.41	0.25	0.900	3.18	19.00	0.38	0.25	1.11
S04	0.125	0.750	0.020	7.10	0.57	0.450	3.18	19.05	0.51	1.24	2.54
S05	0.125	1.000	0.015	0.95	0.24	1.300	3.18	25.40	0.38	0.17	1.07
S06	0.125	1.000	0.020	4.90	0.62	0.750	3.18	25.40	0.51	0.86	2.76
S07	0.125	1.500	0.015	0.58	0.22	1.750	3.18	38.10	0.38	0.10	0.98
S08	0.125	1.500	0.020	3.03	0.60	1.100	3.18	38.10	0.51	0.53	2.67
S09	0.125	2.000	0.015	0.42	0.28	2.800	3.18	50.80	0.38	0.07	1.25
S10	0.125	2.000	0.020	2.20	0.60	1.450	3.18	50.80	0.51	0.39	2.67
S11	0.188	0.500	0.020	4.22	0.32	0.520	4.78	12.70	0.51	0.74	1.42
S12	0.188	0.500	0.024	11.10	0.54	0.250	4.78	12.70	0.61	1.94	2.40
S13	0.188	0.750	0.020	2.20	0.26	1.000	4.78	19.05	0.51	0.39	1.16
S14	0.188	0.750	0.024	5.85	0.52	0.620	4.78	19.05	0.61	1.02	2.31
S15	0.188	1.000	0.020	1.43	0.40	1.400	4.78	25.40	0.51	0.25	1.78
S16	0.188	1.000	0.024	3.73	0.64	0.930	4.78	25.40	0.61	0.65	2.85
S17	0.188	1.500	0.020	0.82	0.48	2.500	4.78	38.10	0.51	0.14	2.14
S18	0.188	1.500	0.024	2.16	0.96	1.400	4.78	38.10	0.61	0.38	4.27
S19	0.188	2.000	0.020	0.58	0.34	3.750	4.78	50.80	0.51	0.10	1.51
S20	0.188	2.000	0.024	1.53	0.92	2.100	4.78	50.80	0.61	0.27	4.09
S21	0.250	1.000	0.024	1.80	0.51	1.080	6.35	25.40	0.61	0.32	2.27
S22	0.250	1.000	0.032	7.86	1.72	0.720	6.35	25.40	0.81	1.38	7.65
S23	0.250	1.000	0.040	25.60	2.90	0.400	6.35	25.40	1.02	4.48	12.90
S24	0.250	1.500	0.024	0.93	0.55	2.700	6.35	38.10	0.61	0.16	2.45
S25	0.250	1.500	0.032	4.28	1.82	1.250	6.35	38.10	0.81	0.75	8.10
S26	0.250	1.500	0.040	14.20	4.00	0.650	6.35	38.10	1.02	2.49	17.79
S27	0.250	2.000	0.024	0.63	0.52	4.000	6.35	50.80	0.61	0.11	2.31
S28	0.250	2.000	0.032	2.90	1.70	1.800	6.35	50.80	0.81	0.51	7.56
S29	0.250	2.000	0.040	9.81	3.95	0.930	6.35	50.80	1.02	1.72	17.57
S30	0.250	2.500	0.024	0.48	0.43	4.000	6.35	63.50	0.61	0.08	1.91
S31	0.250	2.500	0.032	2.22	1.55	2.200	6.35	63.50	0.81	0.39	6.89
S32	0.250	2.500	0.040	7.50	3.80	1.150	6.35	63.50	1.02	1.31	16.90
S33	0.250	3.000	0.024	0.39	0.55	5.000	6.35	76.20	0.61	0.07	2.45
S34	0.250	3.000	0.032	1.80	1.80	3.200	6.35	76.20	0.81	0.32	8.01
S35	0.250	3.000	0.040	6.07	3.32	1.680	6.35	76.20	1.02	1.06	14.77
S36	0.313	1.000	0.032	4.00	1.20	1.240	7.95	25.40	0.81	0.70	5.34
S37	0.313	1.000	0.048	39.00	5.25	0.340	7.95	25.40	1.22	6.83	23.35

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	INS	INS	INS	LB/INS	LBF	INS	MM	MM	MM	N/MM	N
S38	0.313	1.500	0.032	2.23	1.10	2.280	7.95	38.10	0.81	0.39	4.89
S39	0.313	1.500	0.048	19.07	5.00	0.720	7.95	38.10	1.22	3.34	22.24
S40	0.313	2.000	0.032	1.48	1.00	3.360	7.95	50.80	0.81	0.26	4.45
S41	0.313	2.000	0.048	13.02	5.00	1.050	7.95	50.80	1.22	2.28	22.24
S42	0.313	2.500	0.032	1.10	1.10	4.000	7.95	63.50	0.81	0.19	4.89
S43	0.313	2.500	0.048	9.76	5.20	1.380	7.95	63.50	1.22	1.71	23.13
S44	0.313	3.000	0.032	0.88	1.20	5.400	7.95	76.20	0.81	0.15	5.34
S45	0.313	3.000	0.048	7.81	5.30	1.720	7.95	76.20	1.22	1.37	23.58
S46	0.375	1.500	0.036	2.43	1.10	1.810	9.53	38.10	0.91	0.43	4.89
S47	0.375	1.500	0.048	11.80	4.20	1.000	9.53	38.10	1.22	2.07	18.68
S48	0.375	1.500	0.064	55.30	8.25	0.440	9.53	38.10	1.63	9.68	36.70
S49	0.375	2.000	0.036	1.65	0.75	3.330	9.53	50.80	0.91	0.29	3.34
S50	0.375	2.000	0.048	7.53	4.00	1.580	9.53	50.80	1.22	1.32	17.79
S51	0.375	2.000	0.064	35.63	10.00	0.640	9.53	50.80	1.63	6.24	44.48
S52	0.375	2.500	0.036	1.20	1.14	4.260	9.53	63.50	0.91	0.21	5.07
S53	0.375	2.500	0.048	5.52	3.75	2.000	9.53	63.50	1.22	0.97	16.68
S54	0.375	2.500	0.064	27.17	10.00	0.830	9.53	63.50	1.63	4.76	44.48
S55	0.375	3.000	0.036	0.94	1.00	4.000	9.53	76.20	0.91	0.16	4.45
S56	0.375	3.000	0.048	4.41	4.25	2.350	9.53	76.20	1.22	0.77	18.90
S57	0.375	3.000	0.064	21.38	11.00	1.000	9.53	76.20	1.63	3.74	48.93
S58	0.375	4.000	0.036	0.67	1.26	6.000	9.53	101.60	0.91	0.12	5.60
S59	0.375	4.000	0.048	3.10	4.00	3.800	9.53	101.60	1.22	0.54	17.79
S60	0.375	4.000	0.064	15.00	10.00	1.570	9.53	101.60	1.63	2.63	44.48
S61	0.375	6.000	0.036	0.42	1.00	10.000	9.53	152.40	0.91	0.07	4.45
S62	0.375	6.000	0.048	1.95	2.70	5.750	9.53	152.40	1.22	0.34	12.01
S63	0.375	6.000	0.064	9.43	8.00	2.000	9.53	152.40	1.63	1.65	35.59
S64	0.500	2.000	0.048	3.51	1.75	2.000	12.70	50.80	1.22	0.61	7.78
S65	0.500	2.000	0.064	15.72	5.00	1.100	12.70	50.80	1.63	2.75	22.24
S66	0.500	2.000	0.080	51.30	10.00	0.680	12.70	50.80	2.03	8.98	44.48
S67	0.500	3.000	0.048	1.86	1.75	4.650	12.70	76.20	1.22	0.33	7.78
S68	0.500	3.000	0.064	8.56	5.25	1.870	12.70	76.20	1.63	1.50	23.35
S69	0.500	3.000	0.080	28.40	11.00	1.100	12.70	76.20	2.03	4.97	48.93
S70	0.500	4.000	0.048	1.26	1.60	5.240	12.70	101.60	1.22	0.22	7.12
S71	0.500	4.000	0.064	5.88	5.10	3.050	12.70	101.60	1.63	1.03	22.69
S72	0.500	4.000	0.080	19.62	9.50	1.700	12.70	101.60	2.03	3.44	42.26
S73	0.500	5.000	0.048	0.96	1.62	9.250	12.70	127.00	1.22	0.17	7.21

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	INS	INS	INS	LB/INS	LBF	INS	MM	MM	MM	N/MM	N
S74	0.500	5.000	0.064	4.44	4.75	3.900	12.70	127.00	1.63	0.78	21.13
S75	0.500	5.000	0.080	15.00	9.50	1.900	12.70	127.00	2.03	2.63	42.26
S76	0.500	6.000	0.048	0.77	1.80	9.740	12.70	152.40	1.22	0.13	8.01
S77	0.500	6.000	0.064	3.60	5.10	4.480	12.70	152.40	1.63	0.63	22.69
S78	0.500	6.000	0.080	12.13	9.50	2.000	12.70	152.40	2.03	2.12	42.26
S79	0.625	3.000	0.064	4.55	3.30	3.150	15.88	76.20	1.63	0.80	14.68
S80	0.625	3.000	0.080	14.85	6.00	1.100	15.88	76.20	2.03	2.60	26.69
S81	0.625	4.000	0.064	2.97	3.40	4.580	15.88	101.60	1.63	0.52	15.12
S82	0.625	4.000	0.080	9.77	7.38	2.520	15.88	101.60	2.03	1.71	32.83
S83	0.625	5.000	0.064	2.22	3.20	6.100	15.88	127.00	1.63	0.39	14.23
S84	0.625	5.000	0.080	7.50	7.20	3.750	15.88	127.00	2.03	1.31	32.03
S85	0.625	6.000	0.064	1.77	3.50	7.630	15.88	152.40	1.63	0.31	15.57
S86	0.625	6.000	0.080	5.84	7.50	4.000	15.88	152.40	2.03	1.02	33.36
S87	0.750	3.000	0.072	5.27	3.60	2.900	19.05	76.20	1.83	0.92	16.01
S88	0.750	3.000	0.092	21.00	3.00	1.580	19.05	76.20	2.34	3.68	13.34
S89	0.750	3.000	0.116	70.44	15.00	0.780	19.05	76.20	2.95	12.34	66.72
S90	0.750	4.000	0.072	3.31	3.50	5.000	19.05	101.60	1.83	0.58	15.57
S91	0.750	4.000	0.092	12.91	5.00	2.340	19.05	101.60	2.34	2.26	22.24
S92	0.750	4.000	0.116	44.40	17.00	1.350	19.05	101.60	2.95	7.78	75.62
S93	0.750	5.000	0.072	2.48	3.50	6.650	19.05	127.00	1.83	0.43	15.57
S94	0.750	5.000	0.092	9.15	4.00	2.800	19.05	127.00	2.34	1.60	17.79
S95	0.750	5.000	0.116	32.20	19.00	1.600	19.05	127.00	2.95	5.64	84.52
S96	0.750	6.000	0.072	1.96	2.00	8.000	19.05	152.40	1.83	0.34	8.90
S97	0.750	6.000	0.092	7.34	6.00	3.500	19.05	152.40	2.34	1.29	26.69
S98	0.750	6.000	0.116	25.40	15.50	2.000	19.05	152.40	2.95	4.45	68.95
S99	0.750	7.000	0.072	1.56	2.00	10.000	19.05	177.80	1.83	0.27	8.90
S100	0.750	7.000	0.092	6.03	9.00	4.000	19.05	177.80	2.34	1.06	40.03
S101	0.750	7.000	0.116	21.30	18.00	2.150	19.05	177.80	2.95	3.73	80.07
S102	0.750	8.000	0.072	1.38	3.10	7.500	19.05	203.20	1.83	0.24	13.79
S103	0.750	8.000	0.092	5.16	5.38	5.000	19.05	203.20	2.34	0.90	23.93
S104	0.750	8.000	0.116	18.10	22.00	2.500	19.05	203.20	2.95	3.17	97.86
S105	0.875	4.000	0.092	8.17	7.62	2.800	22.23	101.60	2.34	1.43	33.90
S106	0.875	4.000	0.116	28.35	17.50	1.320	22.23	101.60	2.95	4.96	77.84
S107	0.875	6.000	0.092	4.56	2.00	4.500	22.23	152.40	2.34	0.80	8.90
S108	0.875	6.000	0.116	15.67	15.75	2.850	22.23	152.40	2.95	2.74	70.06

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	INS	INS	INS	LB/INS	LBF	INS	MM	MM	MM	N/MM	N
S109	0.875	8.000	0.092	3.16	5.10	7.000	22.23	203.20	2.34	0.55	22.69
S110	0.875	8.000	0.116	10.92	16.50	4.440	22.23	203.20	2.95	1.91	73.40
S111	1.000	4.000	0.104	11.41	5.20	2.400	25.40	101.60	2.64	2.00	23.13
S112	1.000	4.000	0.128	34.23	18.50	1.450	25.40	101.60	3.25	5.99	82.29
S113	1.000	6.000	0.104	5.92	8.00	4.400	25.40	152.40	2.64	1.04	35.59
S114	1.000	6.000	0.128	17.63	16.25	2.550	25.40	152.40	3.25	3.09	72.28
S115	1.000	7.000	0.104	4.92	7.38	4.550	25.40	177.80	2.64	0.86	32.83
S116	1.000	7.000	0.128	14.55	15.50	2.850	25.40	177.80	3.25	2.55	68.95
S117	1.000	8.000	0.104	3.96	8.50	6.300	25.40	203.20	2.64	0.69	37.81
S118	1.000	8.000	0.128	12.13	19.00	3.200	25.40	203.20	3.25	2.12	84.52
S119	1.000	9.000	0.104	3.41	9.75	8.500	25.40	228.60	2.64	0.60	43.37
S120	1.000	9.000	0.128	10.40	18.00	4.000	25.40	228.60	3.25	1.82	80.07



Maximum Extension
MM
12.70
6.35
22.90
11.43
33.02
19.05
44.45
27.94
71.12
36.83
13.21
6.35
25.40
15.75
35.56
23.62
63.50
35.56
95.25
53.34
27.43
18.29
10.16
68.58
31.75
16.51
101.60
45.72
23.62
101.60
55.88
29.21
127.00
81.28
42.67
31.50
8.64



Maximum Extension
MM
57.91
18.29
85.34
26.67
101.60
35.05
137.16
43.69
45.97
25.40
11.18
84.58
40.13
16.26
108.20
50.80
21.08
101.60
59.69
25.40
152.40
96.52
39.88
254.00
146.05
50.80
50.80
27.94
17.27
118.11
47.50
27.94
133.10
77.47
43.18
234.95



Maximum Extension
MM
99.06
48.26
247.40
113.79
50.80
80.01
27.94
116.33
64.01
154.94
95.25
193.80
101.60
73.66
40.13
19.81
127.00
59.44
34.29
168.91
71.12
40.64
203.20
88.90
50.80
254.00
101.60
54.61
190.50
127.00
63.50
71.12
33.53
114.30
72.39



Maximum Extension
MM
177.80
112.78
60.96
36.83
111.76
64.77
115.57
72.39
160.02
81.28
215.90
101.60