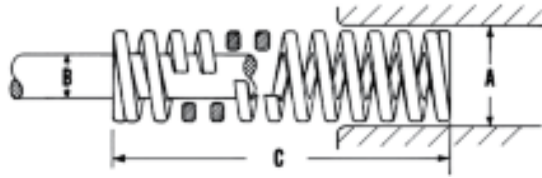


Rectangular Wire Construction



* Note: 1 daN = 1.0197 Kg (Force)

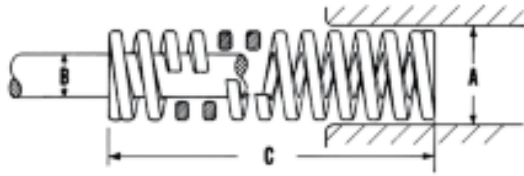
Outer Diam. (mm) A	Inner Diam. (mm) B	Wire Size (mm)	Free Length (mm) C	Catalog Number	Spring *Rate kgf/mm	LOAD-DEFLECTION TABLE					
						0.3 million		0.5 million		1 million	
						Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)
10	5	2.0 x 1.7	20	94-1020	6.25	4.8	30 (294.2)	4.3	27 (264.8)	3.8	24 (235.4)
			25	94-1025	5.00	6.0		5.4		4.8	
			30	94-1030	4.16	7.2		6.5		5.8	
			35	94-1035	3.57	8.4		7.5		6.7	
			40	94-1040	3.15	9.6		8.6		7.7	
			45	94-1045	2.77	10.8		9.7		8.6	
			50	94-1050	2.50	12.0		10.8		9.6	
			55	94-1055	2.27	13.2		11.8		10.6	
			60	94-1060	2.08	14.4		13.0		11.5	
			65	94-1065	1.92	15.6		14.0		12.5	
			70	94-1070	1.79	16.8		15.1		13.4	
			75	94-1075	1.67	18.0		16.2		14.4	
			80	94-1080	1.56	19.2		17.3		15.4	
12	6	2.5 x 2.0	20	94-1220	8.90	4.8	43 (421.7)	4.3	38 (372.7)	3.8	34 (333.4)
			25	94-1225	7.10	6.0		5.4		4.8	
			30	94-1230	5.97	7.2		6.5		5.8	
			35	94-1235	5.11	8.4		7.5		6.7	
			40	94-1240	4.47	9.6		8.6		7.7	
			45	94-1245	3.98	10.8		9.7		8.6	
			50	94-1250	3.58	12.0		10.8		9.6	
			55	94-1255	3.25	13.2		11.8		10.6	
			60	94-1260	2.98	14.4		13.0		11.5	
			65	94-1265	2.74	15.6		14.0		12.5	
			70	94-1270	2.54	16.8		15.1		13.4	
			75	94-1275	2.37	18.0		16.2		14.4	
			80	94-1280	2.21	19.2		17.3		15.4	
14	7	3.0 x 2.3	25	94-1425	9.83	6.0	59 (578.6)	5.4	53 (519.8)	4.8	47 (460.9)
			30	94-1430	8.19	7.2		6.5		5.8	
			35	94-1435	7.02	8.4		7.5		6.7	
			40	94-1440	6.14	9.6		8.6		7.7	
			45	94-1445	5.46	10.8		9.7		8.6	
			50	94-1450	4.91	12.0		10.8		9.6	
			55	94-1455	4.46	13.2		11.8		10.6	
			60	94-1460	4.09	14.4		13.0		11.5	
			65	94-1465	3.78	15.6		14.0		12.5	
			70	94-1470	3.51	16.8		15.1		13.4	
			75	94-1475	3.27	18.0		16.2		14.4	
			80	94-1480	3.07	19.2		17.3		15.4	
			90	94-1490	2.72	21.6		19.4		17.3	
16	8	3.5 x 2.5	25	94-1625	18.83	6.0	77 (755)	5.4	69 (676.7)	4.8	62 (608.0)
			30	94-1630	10.69	7.2		6.5		5.8	
			35	94-1635	9.16	8.4		7.5		6.7	
			40	94-1640	8.02	9.6		8.6		7.7	
			45	94-1645	7.12	10.8		9.7		8.6	
			50	94-1650	6.41	12.0		10.8		9.6	
			55	94-1655	5.83	13.2		11.8		10.6	
			60	94-1660	5.34	14.4		13.0		11.5	
			65	94-1665	4.93	15.6		14.0		12.5	
			70	94-1670	4.58	16.8		15.1		13.4	
			75	94-1675	4.28	18.0		16.2		14.4	
			80	94-1680	4.01	19.2		17.3		15.4	
			90	94-1690	3.57	21.6		19.4		17.3	
			100	94-16100	3.21	24.0		21.6		19.2	

JIS Heavy load springs

* Note: 1 daN = 1.0197 Kg (Force)

Outer Diam. (mm) A	Inner Diam. (mm) B	Wire Size (mm)	Free Length (mm) C	Catalog Number	Spring *Rate kgf/mm	LOAD-DEFLECTION TABLE					
						0.3 million		0.5 million		1 million	
						Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)
18	9	4.0 x 2.7	25	94-1825	16.16	6.0	97 (951.3)	5.4	87 (853.2)	4.8	78 (764.9)
			30	94-1830	13.47	7.2		6.5		5.8	
			35	94-1835	11.54	8.4		7.5		6.7	
			40	94-1840	10.10	9.6		8.6		7.7	
			45	94-1845	8.98	10.8		9.7		8.6	
			50	94-1850	8.08	12.0		10.8		9.6	
			55	94-1855	7.34	13.2		11.8		10.6	
			60	94-1860	6.73	14.4		13.0		11.5	
			65	94-1865	6.21	15.6		14.0		12.5	
			70	94-1870	5.77	16.8		15.1		13.4	
			75	94-1875	5.39	18.0		16.2		14.4	
			80	94-1880	5.05	19.2		17.3		15.4	
			90	94-1890	4.50	21.6		19.4		17.3	
			100	94-18100	4.04	24.0		21.6		19.2	
			25	94-2025	20.00	6.0	120 (1176.8)	5.4	108 (1059.1)	4.8	96 (941.4)
20	10	4.5 x 3.1	30	94-2030	16.66	7.2		6.5		5.8	
			35	94-2035	14.28	8.4		7.5		6.7	
			40	94-2040	12.50	9.6		8.6		7.7	
			45	94-2045	11.11	10.8		9.7		8.6	
			50	94-2050	10.00	12.0		10.8		9.6	
			55	94-2055	9.09	13.2		11.8		10.6	
			60	94-2060	8.33	14.4		13.0		11.5	
			65	94-2065	7.69	15.6		14.0		12.5	
			70	94-2070	7.14	16.8		15.1		13.4	
			75	94-2075	6.67	18.0		16.2		14.4	
			80	94-2080	6.25	19.2		17.3		15.4	
			90	94-2090	5.55	21.6		19.4		17.3	
			100	94-20100	5.00	24.0		21.6		19.2	
			125	94-20125	4.00	30.0		27.0		24.0	
			150	94-20150	3.33	36.0		32.4		28.8	
22	11	5.1 x 3.4	25	94-2225	24.16	6.0	145 (1422.0)	5.4	130 (1274.9)	4.8	116 (1137.6)
			30	94-2230	20.13	7.2		6.5		5.8	
			35	94-2235	17.30	8.4		7.5		6.7	
			40	94-2240	15.10	9.6		8.6		7.7	
			45	94-2245	13.40	10.8		9.7		8.6	
			50	94-2250	12.08	12.0		10.8		9.6	
			55	94-2255	10.94	13.2		11.8		10.6	
			60	94-2260	10.06	14.4		13.0		11.5	
			65	94-2265	9.28	15.6		14.0		12.5	
			70	94-2270	8.63	16.8		15.1		13.4	
			75	94-2275	8.04	18.0		16.2		14.4	
			80	94-2280	7.55	19.2		17.3		15.4	
			90	94-2290	6.71	21.6		19.4		17.3	
			100	94-22100	6.04	24.0		21.6		19.2	
			125	94-22125	4.83	30.0		27.0		24.0	
			150	94-22150	4.02	36.0		32.4		28.8	

Rectangular Wire Construction



* Note: 1 daN = 1.0197 Kg (Force)

Outer Diam. (mm) A	Inner Diam. (mm) B	Wire Size (mm)	Free Length (mm) C	Catalog Number	Spring *Rate kgf/mm	LOAD-DEFLECTION TABLE					
						0.3 million		0.5 million		1 million	
						Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)
25	12.5	5.8 x 3.9	25	94-2525	31.20	6.0	187 (1833.8)	5.4	169 (1657.0)	4.8	150 (1471.0)
			30	94-2530	25.97	7.2		6.5		5.8	
			35	94-2535	22.38	8.4		7.5		6.7	
			40	94-2540	19.47	9.6		8.6		7.7	
			45	94-2545	17.40	10.8		9.7		8.6	
			50	94-2550	15.58	12.0		10.8		9.6	
			55	94-2555	14.20	13.2		11.9		10.6	
			60	94-2560	12.98	14.4		13.0		11.5	
			65	94-2565	12.00	15.6		14.0		12.5	
			70	94-2570	11.13	16.8		15.1		13.4	
			75	94-2575	10.40	18.0		16.2		14.4	
			80	94-2580	9.73	19.2		17.3		15.4	
			90	94-2590	8.65	21.6		19.4		17.3	
			100	94-25100	7.79	24.0		21.6		19.2	
			125	94-25125	6.23	30.0		27.0		24.0	
			150	94-25150	5.20	36.0		32.4		28.8	
			175	94-25175	4.46	42.0		37.8		33.6	
27	13.5	6.3 x 4.2	25	94-2725	36.40	6.0	219 (2147.7)	5.4	197 (1931.9)	4.8	175 (1716.2)
			30	94-2730	30.41	7.2		6.5		5.8	
			35	94-2735	26.20	8.4		7.5		6.7	
			40	94-2740	22.81	9.6		8.6		7.7	
			45	94-2745	20.30	10.8		9.7		8.6	
			50	94-2750	18.25	12.0		10.8		9.6	
			55	94-2755	16.50	13.2		11.9		10.6	
			60	94-2760	15.20	14.4		13.0		11.5	
			65	94-2765	14.00	15.6		14.0		12.5	
			70	94-2770	13.03	16.8		15.1		13.4	
			75	94-2775	12.10	18.0		16.2		14.4	
			80	94-2780	11.40	19.2		17.3		15.4	
			90	94-2790	10.13	21.6		19.4		17.3	
			100	94-27100	9.12	24.0		21.6		19.2	
			125	94-27125	7.30	30.0		27.0		24.0	
			150	94-27150	6.08	36.0		32.4		28.8	
			175	94-27175	5.21	42.0		37.8		33.6	
30	15	7.1 x 4.4	25	94-3025	45.00	6.0	270 (2647.8)	5.4	243 (2382.4)	4.8	216 (2118.2)
			30	94-3030	37.50	7.2		6.5		5.8	
			35	94-3035	32.26	8.4		7.5		6.7	
			40	94-3040	28.12	9.6		8.6		7.7	
			45	94-3045	25.00	10.8		9.7		8.6	
			50	94-3050	22.50	12.0		10.8		9.6	
			55	94-3055	20.40	13.2		11.9		10.6	
			60	94-3060	18.75	14.4		13.0		11.5	
			65	94-3065	17.30	15.6		14.0		12.5	
			70	94-3070	16.07	16.8		15.1		13.4	
			75	94-3075	15.00	18.0		16.2		14.4	
			80	94-3080	14.06	19.2		17.3		15.4	
			90	94-3090	12.50	21.6		19.4		17.3	
			100	94-30100	11.25	24.0		21.6		19.2	
			125	94-30125	9.00	30.0		27.0		24.0	
			150	94-30150	7.50	36.0		32.4		28.8	
			175	94-30175	6.42	42.0		37.8		33.6	
			200	94-30200	5.62	48.0		43.2		38.4	

* Note: 1 daN = 1.0197 Kg (Force)

Outer Diam. (mm) A	Inner Diam. (mm) B	Wire Size (mm)	Free Length (mm) C	Catalog Number	Spring *Rate kgf/mm	LOAD-DEFLECTION TABLE					
						0.3 million		0.5 million		1 million	
						Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)	Deflection mm	Load kgf (N)
35	17.5	8.3 x 5.2	40	94-3540	38.22	9.6	367 (3599.0)	8.6	330 (3236.2)	7.7	293 (2873.4)
			45	94-3545	33.98	10.8		9.7		8.6	
			50	94-3550	30.58	12.0		10.8		9.6	
			55	94-3555	27.80	13.2		11.9		10.5	
			60	94-3560	25.48	14.4		13.0		11.5	
			65	94-3565	23.53	15.6		14.0		12.5	
			70	94-3570	21.84	16.8		15.1		13.4	
			75	94-3575	20.39	18.0		16.2		14.4	
			80	94-3580	19.11	19.2		17.3		15.4	
			90	94-3590	16.99	21.6		19.4		17.3	
			100	94-35100	15.29	24.0		21.6		19.2	
			125	94-35125	12.23	30.0		27.0		24.0	
			150	94-35150	10.19	36.0		32.4		28.8	
			175	94-35175	8.73	42.0		37.8		33.6	
			200	94-35200	7.64	48.0		43.2		38.4	
40	20	9.3 x 6.1	40	94-4040	50.00	9.6	480 (4707.2)	8.6	432 (4236.5)	7.7	384 (3765.8)
			50	94-4050	40.00	12.0		10.8		9.6	
			60	94-4060	33.33	14.4		13.0		11.5	
			70	94-4070	28.57	16.8		15.1		13.4	
			80	94-4080	25.00	19.2		17.3		15.4	
			90	94-4090	22.22	21.6		19.4		17.3	
			100	94-40100	20.00	24.0		21.6		19.2	
			125	94-40125	16.00	30.0		27.0		24.0	
			150	94-40150	13.33	36.0		32.4		28.8	
			175	94-40175	11.42	42.0		37.8		33.6	
			200	94-40200	10.00	48.0		43.2		38.4	
			250	94-40250	8.00	60.0		54.0		48.0	
50	25	11.8 x 7.8	50	94-5050	62.50	12.0	750 (7355.0)	10.8	675 (6619.5)	9.6	600 (5884.0)
			60	94-5060	52.08	14.4		13.0		11.5	
			70	94-5070	44.64	16.8		15.1		13.4	
			80	94-5080	39.06	19.2		17.3		15.4	
			90	94-5090	34.72	21.6		19.4		17.3	
			100	94-50100	32.25	24.0		21.6		19.2	
			125	94-50125	25.00	30.0		27.0		24.0	
			150	94-50150	20.83	36.0		32.4		28.8	
			175	94-50175	17.85	42.0		37.8		33.6	
			200	94-50200	15.62	48.0		43.2		38.4	
			250	94-50250	12.50	60.0		54.0		48.0	
60	30	14.5 x 9.3	300	94-50300	10.41	72.0		64.8		57.6	
			60	94-6060	75.00	14.4	1080 (10591.2)	13.0	973 (9541.9)	11.5	864 (8473.0)
			70	94-6070	64.28	16.8		15.1		13.4	
			80	94-6080	56.25	19.2		17.3		15.4	
			90	94-6090	50.00	21.6		19.4		17.3	
			100	94-60100	45.00	24.0		21.6		19.2	
			125	94-60125	36.00	30.0		27.0		24.0	
			150	94-60150	30.00	36.0		32.4		28.8	
			175	94-60175	25.71	42.0		37.8		33.6	
			200	94-60200	22.50	48.0		43.2		38.4	
			250	94-60250	18.00	60.0		54.0		48.0	
			300	94-60300	15.00	72.0		64.8		57.6	