

Rectangular Wire Construction

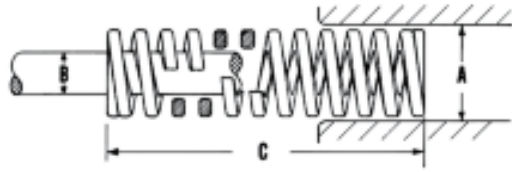


* Note: 1 daN = 1.0197 Kg (Force)

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 1.0	20	92-1020	1.81	8.0	14.5 (142.2)	7.2	13 (127.5)	6.4	11.5 (112.8)
			25	92-1025	1.45	10.0		9.0		8.0	
			30	92-1030	1.21	12.0		10.8		9.6	
			35	92-1035	1.03	14.0		12.6		11.2	
			40	92-1040	0.90	16.0		14.4		12.8	
			45	92-1045	0.80	18.0		16.2		14.4	
			50	92-1050	0.73	20.0		18.0		16.0	
			55	92-1055	0.66	22.0		19.8		17.6	
			60	92-1060	0.60	24.0		21.6		19.2	
			65	92-1065	0.55	26.0		23.4		20.8	
			70	92-1070	0.51	28.0		25.2		22.4	
			75	92-1075	0.48	30.0		27.0		24.0	
12	6	2.6 x 1.3	80	92-1080	0.45	32.0		28.8		25.6	
			20	92-1220	2.63	8.0	21 (206)	7.2	19 (186.3)	6.4	17 (166.7)
			25	92-1225	2.10	10.0		9.0		8.0	
			30	92-1230	1.75	12.0		10.8		9.6	
			35	92-1235	1.50	14.0		12.6		11.2	
			40	92-1240	1.32	16.0		14.4		12.8	
			45	92-1245	1.17	18.0		16.2		14.4	
			50	92-1250	1.05	20.0		18.0		16.0	
			55	92-1255	0.96	22.0		19.8		17.6	
			60	92-1260	0.88	24.0		21.6		19.2	
			65	92-1265	0.81	26.0		23.4		20.8	
			70	92-1270	0.75	28.0		25.2		22.4	
			75	92-1275	0.70	30.0		27.0		24.0	
14	7	3.0 x 1.4	80	92-1280	0.66	32.0		28.8		25.6	
			25	92-1425	2.80	10.0	28 (275)	9.0	25 (245)	8.0	22 (216)
			30	92-1430	2.34	12.0		10.8		9.6	
			35	92-1435	2.00	14.0		12.6		11.2	
			40	92-1440	1.75	16.0		14.4		12.8	
			45	92-1445	1.56	18.0		16.2		14.4	
			50	92-1450	1.40	20.0		18.0		16.0	
			55	92-1455	1.27	22.0		19.8		17.6	
			60	92-1460	1.17	24.0		21.6		19.2	
			65	92-1465	1.08	26.0		23.4		20.8	
			70	92-1470	1.00	28.0		25.2		22.4	
			75	92-1475	0.93	30.0		27.0		24.0	
			80	92-1480	0.87	32.0		28.8		25.6	
16	8	3.6 x 1.6	90	92-1490	0.77	36.0		32.4		28.8	
			25	92-1625	3.50	10.0	35 (343)	9.0	32 (314)	8.0	28 (275)
			30	92-1630	2.92	12.0		10.8		9.6	
			35	92-1635	2.50	14.0		12.6		11.2	
			40	92-1640	2.19	16.0		14.4		12.8	
			45	92-1645	1.95	18.0		16.2		14.4	
			50	92-1650	1.75	20.0		18.0		16.0	
			55	92-1655	1.60	22.0		19.8		17.6	
			60	92-1660	1.46	24.0		21.6		19.2	
			65	92-1665	1.35	26.0		23.4		20.8	
			70	92-1670	1.25	28.0		25.2		22.4	
			75	92-1675	1.17	30.0		27.0		24.0	
			80	92-1680	1.10	32.0		28.8		25.6	
			90	92-1690	0.98	36.0		32.4		28.8	
			100	92-16100	0.88	40.0		36.0		32.0	

JIS Light load springs

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* 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 1.8	25	92-1825	4.30	10.0	43 (422)	9.0	39 (382)	8.0	34 (333)
			30	92-1830	3.58	12.0		10.8		9.6	
			35	92-1835	3.07	14.0		12.6		11.2	
			40	92-1840	2.69	16.0		14.4		12.8	
			45	92-1845	2.39	18.0		16.2		14.4	
			50	92-1850	2.15	20.0		18.0		16.0	
			55	92-1855	1.96	22.0		19.8		17.6	
			60	92-1860	1.79	24.0		21.6		19.2	
			65	92-1865	1.66	26.0		23.4		20.8	
			70	92-1870	1.54	28.0		25.2		22.4	
			75	92-1875	1.44	30.0		27.0		24.0	
			80	92-1880	1.35	32.0		28.8		25.6	
			90	92-1890	1.20	36.0		32.4		28.8	
			100	92-18100	1.07	40.0		36.0		32.0	
20	10	4.5 x 2.0	25	92-2025	5.40	10.0	54 (529.6)	9.0	49 (481)	8.0	43 (421.7)
			30	92-2030	4.50	12.0		10.8		9.6	
			35	92-2035	3.86	14.0		12.6		11.2	
			40	92-2040	3.38	16.0		14.4		12.8	
			45	92-2045	3.00	18.0		16.2		14.4	
			50	92-2050	2.70	20.0		18.0		16.0	
			55	92-2055	2.45	22.0		19.8		17.6	
			60	92-2060	2.25	24.0		21.6		19.2	
			65	92-2065	2.08	26.0		23.4		20.8	
			70	92-2070	1.93	28.0		25.2		22.4	
			75	92-2075	1.80	30.0		27.0		24.0	
			80	92-2080	1.69	32.0		28.8		25.6	
			90	92-2090	1.50	36.0		32.4		28.8	
			100	92-20100	1.35	40.0		36.0		32.0	
			125	92-20125	1.08	50.0		45.0		40.0	
			150	92-20150	0.90	60.0		54.0		48.0	
22	11	4.9 x 2.2	25	92-2225	6.70	10.0	67 (657)	9.0	60 (588)	8.0	54 (530)
			30	92-2230	5.60	12.0		10.8		9.6	
			35	92-2235	4.80	14.0		12.6		11.2	
			40	92-2240	4.20	16.0		14.4		12.8	
			45	92-2245	3.72	18.0		16.2		14.4	
			50	92-2250	3.35	20.0		18.0		16.0	
			55	92-2255	3.05	22.0		19.8		17.6	
			60	92-2260	2.80	24.0		21.6		19.2	
			65	92-2265	2.58	26.0		23.4		20.8	
			70	92-2270	2.40	28.0		25.2		22.4	
			75	92-2275	2.23	30.0		27.0		24.0	
			80	92-2280	2.10	32.0		28.8		25.6	
			90	92-2290	1.86	36.0		32.4		28.8	
			100	92-22100	1.68	40.0		36.0		32.0	
			125	92-22125	1.34	50.0		45.0		40.0	
			150	92-22150	1.12	60.0		54.0		48.0	

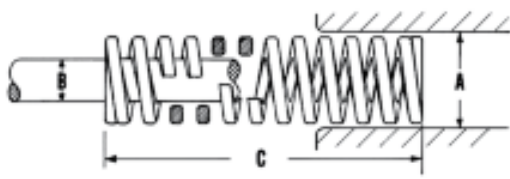
Rectangular Wire Construction



* 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	5.7 x 2.5	25	92-2525	8.40	10.0	84 (823.8)	9.0	76 (745)	8.0	67 (657.1)
			30	92-2530	7.00	12.0		10.8		9.6	
			35	92-2535	6.00	14.0		12.6		11.2	
			40	92-2540	5.25	16.0		14.4		12.8	
			45	92-2545	4.67	18.0		16.2		14.4	
			50	92-2550	4.20	20.0		18.0		16.0	
			55	92-2555	3.82	22.0		19.8		17.6	
			60	92-2560	3.50	24.0		21.6		19.2	
			65	92-2565	3.23	26.0		23.4		20.8	
			70	92-2570	3.00	28.0		25.2		22.4	
			75	92-2575	2.80	30.0		27.0		24.0	
			80	92-2580	2.63	32.0		28.8		25.6	
			90	92-2590	2.33	36.0		32.4		28.8	
			100	92-25100	2.10	40.0		36.0		32.0	
			125	92-25125	1.68	50.0		45.0		40.0	
			150	92-25150	1.40	60.0		54.0		48.0	
			175	92-25175	1.20	70.0		63.0		56.0	
27	13.5	6.3 x 2.7	25	92-2725	10.00	10.0	100 (981)	9.0	90 (883)	8.0	80 (785)
			30	92-2730	8.33	12.0		10.8		9.6	
			35	92-2735	7.14	14.0		12.6		11.2	
			40	92-2740	6.25	16.0		14.4		12.8	
			45	92-2745	5.56	18.0		16.2		14.4	
			50	92-2750	5.00	20.0		18.0		16.0	
			55	92-2755	4.55	22.0		19.8		17.6	
			60	92-2760	4.17	24.0		21.6		19.2	
			65	92-2765	3.85	26.0		23.4		20.8	
			70	92-2770	3.57	28.0		25.2		22.4	
			75	92-2775	3.33	30.0		27.0		24.0	
			80	92-2780	3.13	32.0		28.8		25.6	
			90	92-2790	2.78	36.0		32.4		28.8	
			100	92-27100	2.50	40.0		36.0		32.0	
			125	92-27125	2.00	50.0		45.0		40.0	
			150	92-27150	1.67	60.0		54.0		48.0	
			175	92-27175	1.43	70.0		63.0		56.0	
30	15	6.8 x 3.0	25	92-3025	12.11	10.0	121 (1186.6)	9.0	109 (1068.9)	8.0	97 (951.3)
			30	92-3030	10.08	12.0		10.8		9.6	
			35	92-3035	8.65	14.0		12.6		11.2	
			40	92-3040	7.56	16.0		14.4		12.8	
			45	92-3045	6.73	18.0		16.2		14.4	
			50	92-3050	6.05	20.0		18.0		16.0	
			55	92-3055	5.50	22.0		19.8		17.6	
			60	92-3060	5.04	24.0		21.6		19.2	
			65	92-3065	4.65	26.0		23.4		20.8	
			70	92-3070	4.32	28.0		25.2		22.4	
			75	92-3075	4.03	30.0		27.0		24.0	
			80	92-3080	3.78	32.0		28.8		25.6	
			90	92-3090	3.36	36.0		32.4		28.8	
			100	92-30100	3.02	40.0		36.0		32.0	
			125	92-30125	2.42	50.0		45.0		40.0	
			150	92-30150	2.01	60.0		54.0		48.0	
			175	92-30175	1.72	70.0		63.0		56.0	
			200	92-30200	1.51	80.0		72.0		64.0	

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						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	8.2 x 3.2	40	92-3540	10.31	16.0	165 (1618.1)	14.4	149 (1461.2)	12.8	132 (1294.5)
			45	92-3545	9.17	18.0		16.2		14.4	
			50	92-3550	8.25	20.0		18.0		16.0	
			55	92-3555	7.50	22.0		19.8		17.6	
			60	92-3560	6.87	24.0		21.6		19.2	
			65	92-3565	6.35	26.0		23.4		20.8	
			70	92-3570	5.89	28.0		25.2		22.4	
			75	92-3575	5.50	30.0		27.0		24.0	
			80	92-3580	5.15	32.0		28.8		25.6	
			90	92-3590	4.58	36.0		32.4		28.8	
			100	92-35100	4.12	40.0		36.0		32.0	
			125	92-35125	3.30	50.0		45.0		40.0	
			150	92-35150	2.75	60.0		54.0		48.0	
			175	92-35175	2.35	70.0		63.0		56.0	
			200	92-35200	2.06	80.0		72.0		64.0	
40	20	9.5 x 3.8	40	92-4040	13.50	16.0	216 (2118.2)	14.4	194 (1902.5)	12.8	173 (1696.6)
			50	92-4050	10.80	20.0		18.0		16.0	
			60	92-4060	9.00	24.0		21.6		19.2	
			70	92-4070	7.71	28.0		25.2		22.4	
			80	92-4080	6.75	32.0		28.8		25.6	
			90	92-4090	6.00	36.0		32.4		28.8	
			100	92-40100	5.40	40.0		36.0		32.0	
			125	92-40125	4.32	50.0		45.0		40.0	
			150	92-40150	3.60	60.0		54.0		48.0	
			175	92-40175	3.08	70.0		63.0		56.0	
			200	92-40200	2.70	80.0		72.0		64.0	
			250	92-40250	2.16	100.0		90.0		80.0	
50	25	12.1 x 4.8	50	92-5050	16.89	20.0	338 (3314.7)	18.0	304 (2981.2)	16.0	270 (2647.8)
			60	92-5060	14.08	24.0		21.6		19.2	
			70	92-5070	12.07	28.0		25.2		22.4	
			80	92-5080	10.56	32.0		28.8		25.6	
			90	92-5090	9.38	36.0		32.4		28.8	
			100	92-50100	8.45	40.0		36.0		32.0	
			125	92-50125	6.76	50.0		45.0		40.0	
			150	92-50150	5.63	60.0		54.0		48.0	
			175	92-50175	4.82	70.0		63.0		56.0	
			200	92-50200	4.22	80.0		72.0		64.0	
			250	92-50250	3.38	100.0		90.0		80.0	
			300	92-50300	2.81	120.0		108.0		96.0	
60	30	14.4 x 5.7	60	92-6060	20.25	24.0	486 (4766.0)	21.6	437 (4285.5)	19.2	389 (3814.8)
			70	92-6070	17.35	28.0		25.2		22.4	
			80	92-6080	15.18	32.0		28.8		25.6	
			90	92-6090	13.50	36.0		32.4		28.8	
			100	92-60100	12.15	40.0		36.0		32.0	
			125	92-60125	9.72	50.0		45.0		40.0	
			150	92-60150	8.10	60.0		54.0		48.0	
			175	92-60175	6.94	70.0		63.0		56.0	
			200	92-60200	6.07	80.0		72.0		64.0	
			250	92-60250	4.86	100.0		90.0		80.0	
			300	92-60300	4.05	120.0		108.0		96.0	