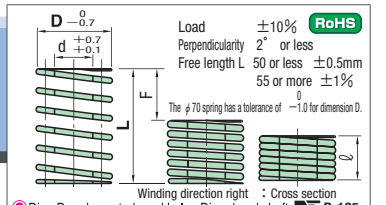
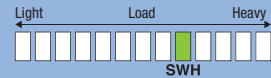


COIL SPRINGS

— HEAVY LOAD SWH —



The volume discount rate is also applicable to alteration cost.
All price & lead time are to be quoted.

D	d	L	Spring constant N/mm(kg/mm)	Solid height L _{min} (mm)	F=LX19.2% Fmm Load (N/kg)	F=LX21.6% Fmm Load (N/kg)	F=LX24% Fmm Load (N/kg)	Catalog No.	U/Price
Type D-L		Qty: 1-19							
6	3	15	38.1 (3.9)	11.0	2.9	3.2	3.6	SWH6-15	137 (14)
		20	28.5 (2.9)	14.7	3.8	4.3	4.8		
		25	22.8 (2.3)	18.4	4.8	5.4	6.0		
		30	19.0 (1.9)	22.0	5.8	6.5	7.2		
		35	16.3 (1.7)	25.7	6.7	7.6	8.4		
		40	14.3 (1.5)	29.4	7.7	8.6	9.6		
		45	12.7 (1.3)	33.0	8.6	9.7	10.8		
		50	11.4 (1.2)	36.7	9.6	10.8	12.0		
		55	10.4 (1.1)	40.4	10.6	11.9	13.2		
		60	9.5 (1.0)	44.0	11.5	13.0	14.4		
8	4	10	85.8 (8.8)	7.4	1.9	2.2	2.4	SWH8-10	206 (21)
		15	57.2 (5.8)	10.8	2.9	3.2	3.6		
		20	42.9 (4.4)	14.4	3.8	4.3	4.8		
		25	34.3 (3.5)	18.0	4.8	5.4	6.0		
		30	28.6 (2.9)	21.6	5.8	6.5	7.2		
		35	24.5 (2.5)	25.2	6.7	7.5	8.4		
		40	21.5 (2.2)	28.8	7.7	8.6	9.6		
		45	19.1 (1.9)	32.4	8.6	9.7	10.8		
		50	17.2 (1.8)	36.0	9.6	10.8	12.0		
		55	15.6 (1.6)	39.6	10.6	11.8	13.2		
10	5	10	123 (12.5)	7.4	1.9	2.2	2.4	SWH10-10	294 (30)
		15	81.7 (8.3)	11.0	2.9	3.2	3.6		
		20	61.3 (6.3)	14.4	3.8	4.3	4.8		
		25	49.0 (5.0)	18.0	4.8	5.4	6.0		
		30	40.8 (4.2)	21.6	5.8	6.5	7.2		
		35	35.0 (3.6)	25.2	6.7	7.5	8.4		
		40	30.6 (3.1)	28.8	7.7	8.6	9.6		
		45	27.2 (2.8)	32.4	8.6	9.7	10.8		
		50	24.5 (2.5)	36.0	9.6	10.8	12.0		
		55	22.3 (2.3)	39.6	10.6	11.8	13.2		
12	6	10	117 (11.9)	11.0	2.9	3.2	3.6	SWH12-15	421 (43)
		20	87.7 (8.9)	14.4	3.8	4.3	4.8		
		25	70.2 (7.2)	18.0	4.8	5.4	6.0		
		30	58.5 (6.0)	21.6	5.8	6.5	7.2		
		35	50.1 (5.1)	25.2	6.7	7.5	8.4		
		40	43.9 (4.5)	28.8	7.7	8.6	9.6		
		45	39.0 (4.0)	32.4	8.6	9.7	10.8		
		50	35.1 (3.6)	36.0	9.6	10.8	12.0		
		55	31.9 (3.3)	39.6	10.6	11.8	13.2		
		60	29.2 (3.0)	43.2	11.5	13.0	14.4		
14	7	10	120 (12.3)	14.7	3.8	4.3	4.8	SWH14-20	578 (59)
		25	96.3 (9.8)	18.0	4.8	5.4	6.0		
		30	80.3 (8.2)	21.6	5.8	6.5	7.2		
		35	68.8 (7.0)	25.2	6.7	7.5	8.4		
		40	60.2 (6.1)	28.8	7.7	8.6	9.6		
		45	53.5 (5.5)	32.4	8.6	9.7	10.8		
		50	48.2 (4.9)	36.0	9.6	10.8	12.0		
		55	43.8 (4.5)	39.6	10.6	11.8	13.2		
		60	40.1 (4.1)	43.2	11.5	13.0	14.4		
		65	37.1 (3.8)	46.8	12.5	14.0	15.6		
16	8	10	157 (16.0)	14.7	3.8	4.3	4.8	SWH16-20	755 (77)
		25	126 (12.8)	18.0	4.8	5.4	6.0		
		30	105 (10.7)	21.6	5.8	6.5	7.2		
		35	89.9 (9.2)	25.2	6.7	7.5	8.4		
		40	78.6 (8.0)	28.8	7.7	8.6	9.6		
		45	69.9 (7.1)	32.4	8.6	9.7	10.8		
		50	62.9 (6.4)	36.0	9.6	10.8	12.0		
		55	57.2 (5.8)	39.6	10.6	11.8	13.2		
		60	52.4 (5.3)	43.2	11.5	13.0	14.4		
		65	48.4 (4.9)	46.8	12.5	14.0	15.6		
18	9	10	198 (20.2)	14.7	3.8	4.3	4.8	SWH18-20	951 (97)
		25	159 (16.2)	18.0	4.8	5.4	6.0		
		30	132 (13.5)	21.6	5.8	6.5	7.2		
		35	113 (11.5)	25.2	6.7	7.5	8.4		
		40	99.1 (10.1)	28.8	7.7	8.6	9.6		
		45	88.1 (9.0)	32.4	8.6	9.7	10.8		
		50	79.3 (8.1)	36.0	9.6	10.8	12.0		
		55	72.0 (7.3)	39.6	10.6	11.8	13.2		
		60	66.0 (6.7)	43.2	11.5	13.0	14.4		
		65	61.0 (6.2)	46.8	12.5	14.0	15.6		
20	10	10	245 (25.0)	14.7	3.8	4.3	4.8	SWH20-20	1176 (120)
		25	196 (20.0)	18.0	4.8	5.4	6.0		
		30	163 (16.7)	21.6	5.8	6.5	7.2		
		35	140 (14.3)	25.2	6.7	7.5	8.4		
		40	123 (12.5)	28.8	7.7	8.6	9.6		
		45	109 (11.1)	32.4	8.6	9.7	10.8		
		50	98.0 (10.0)	36.0	9.6	10.8	12.0		
		55	89.1 (9.1)	39.6	10.6	11.8	13.2		
		60	81.7 (8.3)	43.2	11.5	13.0	14.4		
		65	75.4 (7.7)	46.8	12.5	14.0	15.6		
22	11	10	237 (24.2)	18.0	4.8	5.4	6.0	SWH22-25	1421 (145)
		25	197 (20.1)	21.6	5.8	6.5	7.2		
		35	169 (17.3)	25.2	6.7	7.6	8.4		
		40	148 (15.1)	28.8	7.7	8.6	9.6		
		45	132 (13.4)	32.4	8.6	9.7	10.8		
		50	118 (12.1)	36.0	9.6	10.8	12.0		
		55	108 (11.0)	39.6	10.6	11.9	13.2		
		60	98.7 (10.1)	43.2	11.5	13.0	14.4		
		65	91.1 (9.3)	46.8	12.5	14.0	15.6		
		70	84.6 (8.6)	50.4	13.4	15.1	16.8		
25	12	10	237 (24.2)	18.0	4.8	5.4	6.0	SWH25-25	1833 (187)
		25	197 (20.1)	21.6	5.8	6.5	7.2		
		35	169 (17.3)	25.2	6.7	7.6	8.4		
		40	148 (15.1)	28.8	7.7	8.6	9.6		
		45	132 (13.4)	32.4	8.6	9.7	10.8		
		50	118 (12.1)	36.0	9.6	10.8	12.0		
		55	108 (11.0)	39.6	10.6	11.9	13.2		
		60	98.7 (10.1)	43.2	11.5	13.0	14.4		
		65	91.1 (9.3)	46.8	12.5	14.0	15.6		
		70	84.6 (8.6)	50.4	13.4	15.1	16.8		
27	13.5	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH27-25	2146 (219)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
30	15	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH30-25	2381 (243)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
35	17.5	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH35-40	2878 (293)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
40	20	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH40-40	3763 (423)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
45	22.5	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH45-50	4234 (470)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
50	25	10	258 (26.5)	18.0	4.8	5.4	6.0	SWH50-50	5880 (661)
		25	208 (21.6)	21.6	5.8	6.5	7.2		
		35	176 (18.2)	25.2	6.7	7.6	8.4		
		40	152 (15.7)	28.8	7.7	8.6	9.6		
		45	136 (14.0)	32.4	8.6	9.7	10.8		
		50	124 (12.8)	36.0	9.6	10.8	12.0		
		55	114 (11.7)	39.6	10.6	11.9	13.2		
		60	106 (11.0)	43.2	11.5	13.0	14.4		
		65	100 (10.4)	46.8	12.5	14.0	15.6		
		70	94.4 (9.7)	50.4	13.4	15.1	16.8		
60	3								