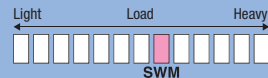
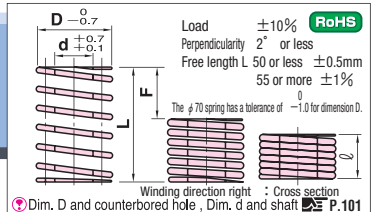


COIL SPRINGS

MEDIUM LOAD SWM



Printed in Red



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 mm	F=LX25.6% Fmm	F=LX28.8% Fmm	F=LX32% Fmm	Catalog No.	U/Price
6	3	15	20.4 (2.08)	9.8	3.8	4.3	4.8	SWM 6-15	98
		20	15.3 (1.56)	13.1	5.1	5.8	6.4		
		25	12.3 (1.25)	16.4	6.4	7.2	8.0		
		30	10.2 (1.04)	19.6	7.7	8.6	9.6		
		35	8.8 (0.89)	22.9	9.0	10.1	11.2		
		40	7.7 (0.78)	26.2	10.2	11.5	12.8		
		45	6.8 (0.69)	29.4	11.5	13.0	14.4		
		50	6.1 (0.63)	32.7	12.8	14.4	16.0		
		55	5.6 (0.57)	36.0	14.1	15.8	17.6		
		60	5.1 (0.52)	39.2	15.4	17.3	19.2		
8	4	10	42.9 (4.37)	6.6	2.6	2.9	3.2	SWM 8-10	137
		15	28.6 (2.91)	9.4	3.8	4.3	4.8		
		20	21.5 (2.18)	12.5	5.1	5.8	6.4		
		25	17.2 (1.75)	15.7	6.4	7.2	8.0		
		30	14.3 (1.46)	18.8	7.7	8.6	9.6		
		35	12.2 (1.25)	21.9	9.0	10.1	11.2		
		40	10.7 (1.09)	25.0	10.2	11.5	12.8		
		45	9.5 (0.97)	28.2	11.5	13.0	14.4		
		50	8.6 (0.87)	31.3	12.8	14.4	16.0		
		55	7.8 (0.79)	34.4	14.1	15.8	17.6		
10	5	10	61.3 (6.25)	6.6	2.6	2.9	3.2	SWM 10-15	196
		15	40.9 (4.17)	9.8	3.8	4.3	4.8		
		20	30.6 (3.13)	12.5	5.1	5.8	6.4		
		25	24.5 (2.50)	15.7	6.4	7.2	8.0		
		30	20.4 (2.08)	18.8	7.7	8.6	9.6		
		35	17.5 (1.79)	21.9	9.0	10.1	11.2		
		40	15.3 (1.56)	25.0	10.2	11.5	12.8		
		45	13.6 (1.39)	28.2	11.5	13.0	14.4		
		50	12.3 (1.25)	31.3	12.8	14.4	16.0		
		55	11.1 (1.14)	34.4	14.1	15.8	17.6		
12	6	15	59.2 (6.04)	9.8	3.8	4.3	4.8	SWM 12-15	284
		20	44.4 (4.53)	12.5	5.1	5.8	6.4		
		25	35.5 (3.63)	15.7	6.4	7.2	8.0		
		30	29.6 (3.02)	18.8	7.7	8.6	9.6		
		35	25.4 (2.59)	21.9	9.0	10.1	11.2		
		40	22.2 (2.27)	25.0	10.2	11.5	12.8		
		45	19.7 (2.01)	28.2	11.5	13.0	14.4		
		50	17.8 (1.81)	31.3	12.8	14.4	16.0		
		55	16.2 (1.65)	34.4	14.1	15.8	17.6		
		60	14.8 (1.51)	37.6	15.4	17.3	19.2		
14	7	20	59.8 (6.09)	13.1	5.1	5.8	6.4	SWM 14-20	383
		25	47.9 (4.88)	15.7	6.4	7.2	8.0		
		30	39.9 (4.08)	18.8	7.7	8.6	9.6		
		35	34.2 (3.48)	21.9	9.0	10.1	11.2		
		40	29.9 (3.05)	25.0	10.2	11.5	12.8		
		45	26.6 (2.71)	28.2	11.5	13.0	14.4		
		50	23.9 (2.44)	31.3	12.8	14.4	16.0		
		55	21.8 (2.22)	34.4	14.1	15.8	17.6		
		60	19.9 (2.03)	37.6	15.4	17.3	19.2		
		65	18.4 (1.88)	40.7	16.6	18.7	20.8		

D	d	L	Spring constant N/(mm/kg/mm)	Solid height mm	F=LX25.6% Fmm	F=LX28.8% Fmm	F=LX32% Fmm	Catalog No.	U/Price
16	8	20	78.1 (7.97)	13.1	5.1	5.8	6.4	SWM 16-20	500
		25	62.5 (6.38)	15.7	6.4	7.2	8.0		
		30	52.1 (5.31)	18.8	7.7	8.6	9.6		
		35	44.7 (4.55)	21.9	9.0	10.1	11.2		
		40	39.1 (3.98)	25.0	10.2	11.5	12.8		
		45	34.7 (3.54)	28.2	11.5	13.0	14.4		
		50	31.3 (3.19)	31.3	12.8	14.4	16.0		
		55	28.4 (2.90)	34.4	14.1	15.8	17.6		
		60	26.0 (2.66)	37.6	15.4	17.3	19.2		
		65	24.0 (2.45)	40.7	16.6	18.7	20.8		
18	9	20	99.6 (10.2)	13.1	5.1	5.8	6.4	SWM 18-20	637
		25	79.7 (8.13)	15.7	6.4	7.2	8.0		
		30	66.4 (6.77)	18.8	7.7	8.6	9.6		
		35	56.9 (5.80)	21.9	9.0	10.1	11.2		
		40	49.8 (5.08)	25.0	10.2	11.5	12.8		
		45	44.3 (4.51)	28.2	11.5	13.0	14.4		
		50	39.8 (4.06)	31.3	12.8	14.4	16.0		
		55	36.2 (3.69)	34.4	14.1	15.8	17.6		
		60	33.2 (3.39)	37.6	15.4	17.3	19.2		
		65	30.6 (3.13)	40.7	16.6	18.7	20.8		
20	10	20	123 (12.5)	13.1	5.1	5.8	6.4	SWM 20-20	784
		25	98.0 (10.0)	15.7	6.4	7.2	8.0		
		30	81.7 (8.33)	18.8	7.7	8.6	9.6		
		35	70.0 (7.14)	21.9	9.0	10.1	11.2		
		40	61.3 (6.25)	25.0	10.2	11.5	12.8		
		45	54.4 (5.55)	28.2	11.5	13.0	14.4		
		50	49.0 (5.00)	31.3	12.8	14.4	16.0		
		55	44.5 (4.55)	34.4	14.1	15.8	17.6		
		60	40.8 (4.17)	37.6	15.4	17.3	19.2		
		65	37.7 (3.85)	40.7	16.6	18.7	20.8		
22	11	20	123 (12.5)	13.1	5.1	5.8	6.4	SWM 22-25	951
		25	98.0 (10.0)	15.7	6.4	7.2	8.0		
		30	81.7 (8.33)	18.8	7.7	8.6	9.6		
		35	70.0 (7.14)	21.9	9.0	10.1	11.2		
		40	61.3 (6.25)	25.0	10.2	11.5	12.8		
		45	54.4 (5.55)	28.2	11.5	13.0	14.4		
		50	49.0 (5.00)	31.3	12.8	14.4	16.0		
		55	44.5 (4.55)	34.4	14.1	15.8	17.6		
		60	40.8 (4.17)	37.6	15.4	17.3	19.2		
		65	37.7 (3.85)	40.7	16.6	18.7	20.8		

Order Catalog No. **SWM 20-80**

Delivery **Printed in Red** **Printed in Black**

SGP Stock **3** Days

For area out of Singapore please refer to P.1.

Quantity	1~19	20~49	50~199	200~500
Rate	-	5%	10%	15%

D	d	L	Spring constant N/(mm/kg/mm)	Solid height mm	F=LX25.6% Fmm	F=LX28.8% Fmm	F=LX32% Fmm	Catalog No.	U/Price
25	12.5	25	153 (15.6)	15.7	6.4	7.2	8.0	SWM 25-25	1225
		30	128 (13.0)	18.8	7.7	8.6	9.6		
		35	109 (11.2)	21.9	9.0	10.1	11.2		
		40	95.7 (9.77)	25.0	10.2	11.5	12.8		
		45	85.1 (8.68)	28.2	11.5	13.0	14.4		
		50	76.6 (7.81)	31.3	12.8	14.4	16.0		
		55	69.6 (7.10)	34.4	14.1	15.8	17.6		
		60	63.8 (6.51)	37.6	15.4	17.3	19.2		
		65	58.9 (6.01)	40.7	16.6	18.7	20.8		
		70	54.7 (5.58)	43.8	17.9	20.2	22.4		
27	13.5	25	179 (18.3)	15.7	6.4	7.2	8.0	SWM 27-25	1431
		30	149 (15.2)	18.8	7.7	8.6	9.6		
		35	128 (13.0)	21.9	9.0	10.1	11.2		
		40	112 (11.4)	25.0	10.2	11.5	12.8		
		45	99.4 (10.1)	28.2	11.5	13.0	14.4		
		50	89.4 (9.13)	31.3	12.8	14.4	16.0		
		55	81.3 (8.30)	34.4	14.1	15.8	17.6		
		60	74.5 (7.60)	37.6	15.4	17.3	19.2		
		65	68.8 (7.02)	40.7	16.6	18.7	20.8		
		70	63.9 (6.52)	43.8	17.9	20.2	22.4		
30	15	25	221 (22.5)	15.7	6.4	7.2	8.0	SWM 30-25	1765
		30	184 (18.8)	18.8	7.7	8.6	9.6		
		35	158 (16.1)	21.9	9.0	10.1	11.2		
		40	138 (14.1)	25.0	10.2	11.5	12.8		
		45	123 (12.5)	28.2	11.5	13.0	14.4		
		50	110 (11.3)	31.3	12.8	14.4	16.0		
		55	100 (10.2)	34.4	14.1	15.8	17.6		
		60	91.9 (9.38)	37.6	15.4	17.3	19.2		
		65	84.9 (8.65)	40.7	16.6	18.7	20.8		
		70	78.8 (8.04)	43.8	17.9	20.2	22.4		
35	17.5	25	276 (28.1)	15.7	6.4	7.2	8.0	SWM 35-40	2401
		30	226 (23.2)	18.8	7.7	8.6	9.6		
		35	188 (19.1)	21.9	9.0	10.1	11.2		
		40	167 (17.0)	25.0	10.2	11.5	12.8		
		45	150 (15.3)	28.2	11.5	13.0	14.4		
		50	136 (13.9)	31.3	12.8	14.4	16.0		
		55	125 (12.8)	34.4	14.1	15.8	17.6		
		60	115 (11.8)	37.6	15.4	17.3	19.2		
		65	107 (10.9)	40.7	16.6	18.7	20.8		
		70	100 (10.2)	43.8	17.9	20.2	22.4		

Alterations (NT) - Catalog No. **SWM 30-40**

Alteration Code **NT** Spec. **7** Days

No painting Paint peeling Free of Charge

SWOSC - V

Load calculation method : N (load) = N/mm (spring constant) × F (deflection)

(International units) N = N/mm × Fmm

kgf = kgf/mm × Fmm

(kgf = N × 0.101972)

The solid height values are reference only. There may be some variations depending on lots.

Product Outline **P.99**

Directions and precautions for coil springs **P.101**

D	d	L	Spring constant N/(mm/kg/mm)	Solid height mm	F=LX25.6% Fmm	F=LX28.8% Fmm	F=LX32% Fmm	Catalog No.	U/Price
40	20	40	245 (25.0)	25.0	10.2	11.5	12.8	SWM 40-40	3138
		45	218 (22.2)	29.4	11.5	13.0	14.4		
		50	196 (20.0)	31.3	12.8	14.4	16.0		
		55	178 (18.2)	36.0	14.1	15.8	17.6		
		60	163 (16.7)	37.6	15.4	17.3	19.2		
		65	151 (15.4)	42.5	16.6	18.7	20.8		
		70	140 (14.3)	43.8	17.9	20.2	22.4		
		75	131 (13.3)	49.1	19.2	21.6	24.0		
		80	123 (12.5)	50.1	20.5	23.0	25.6		
		90	109 (11.1)	56.3	23.0	25.9	28.8		
50	25	50	306 (31.2)	31.3	12.8	14.4	16.0	SWM 50-50	4900
		55	278 (28.4)	34.4	14.1	15.8	17.6		
		60	255 (26.0)	37.6	15.4	17.3	19.2		
		65	236 (24.0)	40.7	16.6	18.7	20.8		
		70	219 (22.3)	43.8	17.9	20.2	22.4		
		75	204 (20.8)						