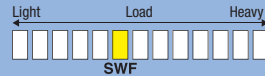
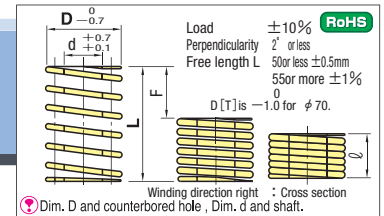


COIL SPRINGS

— MINIMAL LOAD SWF —



Printed in Red



D	d	L	Spring constant N/mm(kg/mm)	Solid height (mm)	F=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price
			Fmm	Load N(kg)	Fmm	Load N(kg)	Fmm	Type D-L	Qty: 1-19
6	3	15	7.8 (0.80)	7.1	6.0	6.8	7.5	SWF 6-15	20
		20	5.9 (0.60)	9.5	8.0	9.0	10.0		25
		25	4.7 (0.48)	11.9	10.0	11.3	12.5		30
		30	3.9 (0.40)	14.2	12.0	13.5	15.0		35
		35	3.4 (0.34)	16.6	14.0	15.8	17.5		40
		40	2.9 (0.30)	19.0	16.0	18.0	20.0		
8	4	10	15.7 (1.60)	4.5	4.0	4.5	5.0	SWF 8-10	15
		15	10.5 (1.07)	6.8	6.0	6.8	7.5		20
		20	7.8 (0.80)	9.0	8.0	9.0	10.0		25
		25	6.3 (0.64)	11.3	10.0	11.2	12.5		30
		30	5.2 (0.53)	13.5	12.0	13.5	15.0		35
		35	4.5 (0.46)	15.8	14.0	15.7	17.5		40
		40	3.9 (0.40)	18.0	16.0	18.0	20.0		45
		45	3.5 (0.36)	20.3	18.0	20.2	22.5		50
		50	3.1 (0.32)	22.5	20.0	22.5	25.0		55
		55	2.9 (0.29)	24.8	22.0	24.7	27.5		60
		60	2.6 (0.27)	27.0	24.0	27.0	30.0		65
		65	2.4 (0.25)	30.8	26.0	29.3	32.5		70
70	2.2 (0.23)	33.2	28.0	31.5	35.0	75			
75	2.1 (0.21)	35.6	30.0	33.8	37.5	80			
80	2.0 (0.20)	37.9	32.0	36.0	40.0				
10	5	10	19.6 (2.00)	4.5	4.0	4.5	5.0	SWF 10-10	15
		15	13.1 (1.33)	6.8	6.0	6.8	7.5		20
		20	9.8 (1.00)	9.0	8.0	9.0	10.0		25
		25	7.8 (0.80)	11.3	10.0	11.2	12.5		30
		30	6.5 (0.67)	13.5	12.0	13.5	15.0		35
		35	5.9 (0.57)	15.8	14.0	15.7	17.5		40
		40	4.9 (0.50)	18.0	16.0	18.0	20.0		45
		45	4.4 (0.44)	20.3	18.0	20.2	22.5		50
		50	3.9 (0.40)	22.5	20.0	22.5	25.0		55
		55	3.6 (0.36)	24.8	22.0	24.7	27.5		60
		60	3.3 (0.33)	27.0	24.0	27.0	30.0		65
		65	3.0 (0.31)	29.3	26.0	29.2	32.5		70
70	2.8 (0.29)	31.5	28.0	31.5	35.0	75			
75	2.6 (0.27)	33.8	30.0	33.7	37.5	80			
80	2.5 (0.25)	36.0	32.0	36.0	40.0	85			
90	2.2 (0.22)	40.5	36.0	40.5	45.0	90			
12	6	15	18.3 (1.87)	6.8	6.0	6.8	7.5	SWF 12-15	20
		20	13.7 (1.40)	9.0	8.0	9.0	10.0		25
		25	11.0 (1.12)	11.3	10.0	11.2	12.5		30
		30	9.2 (0.93)	13.5	12.0	13.5	15.0		35
		35	7.8 (0.80)	15.8	14.0	15.7	17.5		40
		40	6.9 (0.70)	18.0	16.0	18.0	20.0		45
		45	6.1 (0.62)	20.3	18.0	20.2	22.5		50
		50	5.5 (0.56)	22.5	20.0	22.5	25.0		55
		55	5.0 (0.51)	24.8	22.0	24.7	27.5		60
		60	4.6 (0.47)	27.0	24.0	27.0	30.0		65
		65	4.2 (0.43)	29.3	26.0	29.2	32.5		70
		70	3.9 (0.40)	31.5	28.0	31.5	35.0		75
75	3.7 (0.37)	33.8	30.0	33.7	37.5	80			
80	3.4 (0.35)	36.0	32.0	36.0	40.0	85			
90	3.1 (0.31)	40.5	36.0	40.5	45.0	90			
14	7	20	17.7 (1.80)	9.0	8.0	9.0	10.0	SWF 14-20	25
		25	14.1 (1.44)	11.3	10.0	11.2	12.5		30
		30	11.8 (1.20)	13.5	12.0	13.5	15.0		35
		35	10.1 (1.03)	15.8	14.0	15.7	17.5		40
		40	8.8 (0.90)	18.0	16.0	18.0	20.0		45
		45	7.8 (0.80)	20.3	18.0	20.2	22.5		50
		50	7.1 (0.72)	22.5	20.0	22.5	25.0		55
		55	6.4 (0.65)	24.8	22.0	24.7	27.5		60
		60	5.9 (0.60)	27.0	24.0	27.0	30.0		65
		65	5.4 (0.55)	29.3	26.0	29.2	32.5		70
		70	5.0 (0.51)	31.5	28.0	31.5	35.0		75
		75	4.7 (0.48)	33.8	30.0	33.7	37.5		80
80	4.4 (0.45)	36.0	32.0	36.0	40.0	85			
90	3.9 (0.40)	40.5	36.0	40.5	45.0	90			
100	3.5 (0.36)	45.0	40.0	45.0	50.0	100			

D	d	L	Spring constant N/mm(kg/mm)	Solid height (mm)	F=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price
			Fmm	Load N(kg)	Fmm	Load N(kg)	Fmm	Type D-L	Qty: 1-19
16	8	20	20.6 (2.10)	9.0	8.0	9.0	10.0	SWF 16-20	25
		25	16.5 (1.68)	11.3	10.0	11.2	12.5		30
		30	13.7 (1.40)	13.5	12.0	13.5	15.0		35
		35	11.8 (1.20)	15.8	14.0	15.7	17.5		40
		40	10.3 (1.05)	18.0	16.0	18.0	20.0		45
		45	9.2 (0.93)	20.3	18.0	20.2	22.5		50
		50	8.2 (0.84)	22.5	20.0	22.5	25.0		55
		55	7.5 (0.76)	24.8	22.0	24.7	27.5		60
		60	6.9 (0.70)	27.0	24.0	27.0	30.0		65
		65	6.3 (0.65)	29.3	26.0	29.2	32.5		70
		70	5.9 (0.60)	31.5	28.0	31.5	35.0		75
		75	5.5 (0.56)	33.8	30.0	33.7	37.5		80
80	5.1 (0.53)	36.0	32.0	36.0	40.0	85			
90	4.6 (0.47)	40.5	36.0	40.5	45.0	90			
100	4.1 (0.42)	45.0	40.0	45.0	50.0	100			
125	3.3 (0.34)	56.3	50.0	56.3	62.5	125			
18	9	20	25.5 (2.60)	9.0	8.0	9.0	10.0	SWF 18-20	25
		25	20.4 (2.08)	11.3	10.0	11.2	12.5		30
		30	17.0 (1.73)	13.5	12.0	13.5	15.0		35
		35	14.6 (1.49)	15.8	14.0	15.7	17.5		40
		40	12.7 (1.30)	18.0	16.0	18.0	20.0		45
		45	11.3 (1.16)	20.3	18.0	20.2	22.5		50
		50	10.2 (1.04)	22.5	20.0	22.5	25.0		55
		55	9.3 (0.95)	24.8	22.0	24.7	27.5		60
		60	8.5 (0.87)	27.0	24.0	27.0	30.0		65
		65	7.8 (0.80)	29.3	26.0	29.2	32.5		70
		70	7.3 (0.74)	31.5	28.0	31.5	35.0		75
		75	6.8 (0.69)	33.8	30.0	33.7	37.5		80
80	6.4 (0.65)	36.0	32.0	36.0	40.0	85			
90	5.7 (0.58)	40.5	36.0	40.5	45.0	90			
100	5.1 (0.52)	45.0	40.0	45.0	50.0	100			
125	4.1 (0.42)	56.3	50.0	56.3	62.5	125			
20	11	20	31.4 (3.20)	9.0	8.0	9.0	10.0	SWF 20-20	25
		25	25.1 (2.56)	11.3	10.0	11.2	12.5		30
		30	20.9 (2.13)	13.5	12.0	13.5	15.0		35
		35	17.9 (1.83)	15.8	14.0	15.7	17.5		40
		40	15.7 (1.60)	18.0	16.0	18.0	20.0		45
		45	13.9 (1.42)	20.3	18.0	20.2	22.5		50
		50	12.6 (1.28)	22.5	20.0	22.5	25.0		55
		55	11.4 (1.16)	24.8	22.0	24.7	27.5		60
		60	10.5 (1.07)	27.0	24.0	27.0	30.0		65
		65	9.7 (0.98)	29.3	26.0	29.2	32.5		70
		70	9.0 (0.91)	31.5	28.0	31.5	35.0		75
		75	8.4 (0.85)	33.8	30.0	33.7	37.5		80
80	7.8 (0.80)	36.0	32.0	36.0	40.0	85			
90	7.0 (0.71)	40.5	36.0	40.5	45.0	90			
100	6.3 (0.64)	45.0	40.0	45.0	50.0	100			
125	5.0 (0.51)	56.3	50.0	56.2	62.5	125			
150	4.2 (0.43)	67.5	60.0	67.5	75.0	150			
22	11	25	31.4 (3.20)	11.3	10.0	11.2	12.5	SWF 22-25	30
		30	26.2 (2.67)	13.5	12.0	13.5	15.0		35
		35	22.4 (2.29)	15.8	14.0	15.7	17.5		40
		40	19.6 (2.00)	18.0	16.0	18.0	20.0		45
		45	17.4 (1.78)	20.3	18.0	20.2	22.5		50
		50	15.7 (1.60)	22.5	20.0	22.5	25.0		55
		55	14.3 (1.45)	24.8	22.0	24.7	27.5		60
		60	13.1 (1.33)	27.0	24.0	27.0	30.0		65
		65	12.1 (1.23)	29.3	26.0	29.2	32.5		70
		70	11.2 (1.14)	31.5	28.0	31.5	35.0		75
		75	10.5 (1.07)	33.8	30.0	33.7	37.5		80
		80	9.8 (1.00)	36.0	32.0	36.0	40.0		85
90	8.7 (0.89)	40.5	36.0	40.5	45.0	90			
100	7.8 (0.80)	45.0	40.0	45.0	50.0	100			
125	6.3 (0.64)	56.3	50.0	56.2	62.5	125			
150	5.2 (0.53)	67.5	60.0	67.5	75.0	150			

Order Catalog No. SWF 10-30

Delivery Printed in Red Printed in Black

SGP Stock 3 Days

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

Volume discount rate

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

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=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price
			Fmm	Load N(kg)	Fmm	Load N(kg)	Fmm	Type D-L	Qty: 1-19
25	13.5	25	39.2 (4.00)	11.3	10.0	11.2	12.5	SWF 25-25	30
		30	32.7 (3.33)	13.5	12.0	13.5	15.0		35
		35	28.0 (2.86)	15.8	14.0	15.7	17.5		40
		40	24.5 (2.50)	18.0	16.0	18.0	20.0		45
		45	21.8 (2.22)	20.3	18.0	20.2	22.5		50
		50	19.6 (2.00)	22.5	20.0	22.5			