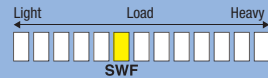
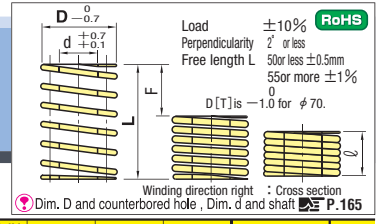


COIL SPRINGS

— MINIMAL LOAD SWF —



Printed in Red



D	d	L	Spring constant N/mm(kg/mm)	Solid height L ₀ (mm)	F=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price	
			Load (N/kgf)			Load (N/kgf)			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	45		
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	85				
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 L ₀ (mm)	F=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price	
			Load (N/kgf)			Load (N/kgf)			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 L ₀ (mm)	F=LX40%	F=LX45%	F=LX50%	Catalog No.	U/Price	
			Load (N/kgf)			Load (N/kgf)			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		