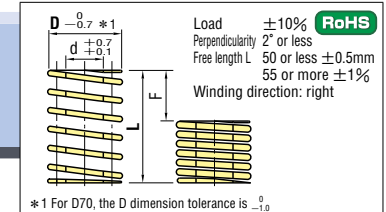
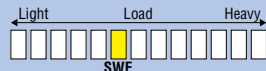


COIL SPRINGS

—SWF—



D	d	L	Spring constant N/mm (kgf/mm)	F=L×40%			F=L×45%			F=L×50%			Catalog No.	Base unit price
				Fmm	Load N (kgf)	Operation count	Fmm	Load N (kgf)	Operation count	Fmm	Load N (kgf)	Operation count		
6	3	15	7.8 (0.80)	6.0	6.8	7.5	6.0	6.8	7.5	6.0	6.8	7.5	SWF6—15	1~19 pieces
		20	5.9 (0.60)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	20	
		25	4.7 (0.48)	10.0	47	11.3 (5.4)	53	12.5 (6.0)	59	13.5 (6.0)	65	14.5 (6.0)	71	
		30	3.9 (0.40)	12.0	14.8	15.8	17.5	18.0	20.0	20.0	20.0	20.0	20.0	
		35	3.4 (0.34)	14.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
8	4	10	15.7 (1.60)	4.0	4.5	5.0	4.0	4.5	5.0	4.0	4.5	5.0	SWF8—10	1~19 pieces
		15	10.5 (1.07)	6.0	6.8	7.5	6.0	6.8	7.5	6.0	6.8	7.5	15	
		20	7.8 (0.80)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	20	
		25	6.3 (0.64)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	5.2 (0.53)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	4.5 (0.46)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7	17.5	35	
		40	3.9 (0.40)	16.0	18.0	20.0	16.0	18.0	20.0	16.0	18.0	20.0	40	
		45	3.5 (0.36)	18.0	20.2	22.5	18.0	20.2	22.5	18.0	20.2	22.5	45	
		50	3.1 (0.32)	20.0	22.5	25.0	20.0	22.5	25.0	20.0	22.5	25.0	50	
		55	2.9 (0.29)	22.0	24.7	27.5	22.0	24.7	27.5	22.0	24.7	27.5	55	
		60	2.6 (0.27)	24.0	27.0	30.0	24.0	27.0	30.0	24.0	27.0	30.0	60	
		65	2.4 (0.25)	26.0	29.3	32.5	26.0	29.3	32.5	26.0	29.3	32.5	65	
		70	2.2 (0.23)	28.0	31.5	35.0	28.0	31.5	35.0	28.0	31.5	35.0	70	
		75	2.1 (0.21)	30.0	33.8	37.5	30.0	33.8	37.5	30.0	33.8	37.5	75	
		80	2.0 (0.20)	32.0	36.0	40.0	32.0	36.0	40.0	32.0	36.0	40.0	80	
10	5	10	19.6 (2.00)	4.0	4.5	5.0	4.0	4.5	5.0	4.0	4.5	5.0	SWF10—10	1~19 pieces
		15	13.1 (1.33)	6.0	6.8	7.5	6.0	6.8	7.5	6.0	6.8	7.5	15	
		20	9.8 (1.00)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	20	
		25	7.8 (0.80)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	6.5 (0.67)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	5.9 (0.57)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7	17.5	35	
		40	4.9 (0.50)	16.0	18.0	20.0	16.0	18.0	20.0	16.0	18.0	20.0	40	
		45	4.4 (0.44)	18.0	20.2	22.5	18.0	20.2	22.5	18.0	20.2	22.5	45	
		50	3.9 (0.40)	20.0	22.5	25.0	20.0	22.5	25.0	20.0	22.5	25.0	50	
		55	3.6 (0.36)	22.0	24.7	27.5	22.0	24.7	27.5	22.0	24.7	27.5	55	
		60	3.3 (0.33)	24.0	27.0	30.0	24.0	27.0	30.0	24.0	27.0	30.0	60	
		65	3.0 (0.31)	26.0	29.2	32.5	26.0	29.2	32.5	26.0	29.2	32.5	65	
		70	2.8 (0.29)	28.0	31.5	35.0	28.0	31.5	35.0	28.0	31.5	35.0	70	
		75	2.6 (0.27)	30.0	33.7	37.5	30.0	33.7	37.5	30.0	33.7	37.5	75	
		80	2.5 (0.25)	32.0	36.0	40.0	32.0	36.0	40.0	32.0	36.0	40.0	80	
90	2.2 (0.22)	36.0	40.5	45.0	36.0	40.5	45.0	36.0	40.5	45.0	90			
12	6	15	18.3 (1.87)	6.0	6.8	7.5	6.0	6.8	7.5	6.0	6.8	7.5	SWF12—15	1~19 pieces
		20	13.7 (1.40)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	20	
		25	11.0 (1.12)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	9.2 (0.93)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	7.8 (0.80)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7	17.5	35	
		40	6.9 (0.70)	16.0	18.0	20.0	16.0	18.0	20.0	16.0	18.0	20.0	40	
		45	6.1 (0.62)	18.0	20.2	22.5	18.0	20.2	22.5	18.0	20.2	22.5	45	
		50	5.5 (0.56)	20.0	22.5	25.0	20.0	22.5	25.0	20.0	22.5	25.0	50	
		55	5.0 (0.51)	22.0	24.7	27.5	22.0	24.7	27.5	22.0	24.7	27.5	55	
		60	4.6 (0.47)	24.0	27.0	30.0	24.0	27.0	30.0	24.0	27.0	30.0	60	
		65	4.2 (0.43)	26.0	29.2	32.5	26.0	29.2	32.5	26.0	29.2	32.5	65	
		70	3.9 (0.40)	28.0	31.5	35.0	28.0	31.5	35.0	28.0	31.5	35.0	70	
		75	3.7 (0.37)	30.0	33.7	37.5	30.0	33.7	37.5	30.0	33.7	37.5	75	
		80	3.4 (0.35)	32.0	36.0	40.0	32.0	36.0	40.0	32.0	36.0	40.0	80	
		90	3.1 (0.31)	36.0	40.5	45.0	36.0	40.5	45.0	36.0	40.5	45.0	90	
14	7	20	17.7 (1.80)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	SWF14—20	1~19 pieces
		25	14.1 (1.44)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	11.8 (1.20)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	10.1 (1.03)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7	17.5	35	
		40	8.8 (0.90)	16.0	18.0	20.0	16.0	18.0	20.0	16.0	18.0	20.0	40	
		45	7.8 (0.80)	18.0	20.2	22.5	18.0	20.2	22.5	18.0	20.2	22.5	45	
		50	7.1 (0.72)	20.0	22.5	25.0	20.0	22.5	25.0	20.0	22.5	25.0	50	
		55	6.4 (0.65)	22.0	24.7	27.5	22.0	24.7	27.5	22.0	24.7	27.5	55	
		60	5.9 (0.60)	24.0	27.0	30.0	24.0	27.0	30.0	24.0	27.0	30.0	60	
		65	5.4 (0.55)	26.0	29.2	32.5	26.0	29.2	32.5	26.0	29.2	32.5	65	
		70	5.0 (0.51)	28.0	31.5	35.0	28.0	31.5	35.0	28.0	31.5	35.0	70	
		75	4.7 (0.48)	30.0	33.7	37.5	30.0	33.7	37.5	30.0	33.7	37.5	75	
		80	4.4 (0.45)	32.0	36.0	40.0	32.0	36.0	40.0	32.0	36.0	40.0	80	
		90	3.9 (0.40)	36.0	40.5	45.0	36.0	40.5	45.0	36.0	40.5	45.0	90	
		100	3.5 (0.36)	40.0	45.0	50.0	40.0	45.0	50.0	40.0	45.0	50.0	100	

D	d	L	Spring constant N/mm (kgf/mm)	F=L×40%			F=L×45%			F=L×50%			Catalog No.	Base unit price
				Fmm	Load N (kgf)	Operation count	Fmm	Load N (kgf)	Operation count	Fmm	Load N (kgf)	Operation count		
16	8	20	20.6 (2.10)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	SWF16—20	1~19 pieces
		25	16.5 (1.68)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	13.7 (1.40)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	11.8 (1.20)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7	17.5	35	
		40	10.3 (1.05)	16.0	18.0	20.0	16.0	18.0	20.0	16.0	18.0	20.0	40	
		45	9.2 (0.93)	18.0	20.2	22.5	18.0	20.2	22.5	18.0	20.2	22.5	45	
		50	8.2 (0.84)	20.0	22.5	25.0	20.0	22.5	25.0	20.0	22.5	25.0	50	
		55	7.5 (0.76)	22.0	24.7	27.5	22.0	24.7	27.5	22.0	24.7	27.5	55	
		60	6.9 (0.70)	24.0	27.0	30.0	24.0	27.0	30.0	24.0	27.0	30.0	60	
		65	6.3 (0.65)	26.0	29.2	32.5	26.0	29.2	32.5	26.0	29.2	32.5	65	
		70	5.9 (0.60)	28.0	31.5	35.0	28.0	31.5	35.0	28.0	31.5	35.0	70	
		75	5.5 (0.56)	30.0	33.7	37.5	30.0	33.7	37.5	30.0	33.7	37.5	75	
		80	5.1 (0.53)	32.0	36.0	40.0	32.0	36.0	40.0	32.0	36.0	40.0	80	
		90	4.6 (0.47)	36.0	40.5	45.0	36.0	40.5	45.0	36.0	40.5	45.0	90	
		100	4.1 (0.42)	40.0	45.0	50.0	40.0	45.0	50.0	40.0	45.0	50.0	100	
125	3.3 (0.34)	50.0	56.3	62.5	50.0	56.3	62.5	50.0	56.3	62.5	125			
18	9	20	25.5 (2.60)	8.0	9.0	10.0	8.0	9.0	10.0	8.0	9.0	10.0	SWF18—20	1~19 pieces
		25	20.4 (2.08)	10.0	11.2	12.5	10.0	11.2	12.5	10.0	11.2	12.5	25	
		30	17.0 (1.73)	12.0	13.5	15.0	12.0	13.5	15.0	12.0	13.5	15.0	30	
		35	14.6 (1.49)	14.0	15.7	17.5	14.0	15.7	17.5	14.0	15.7			