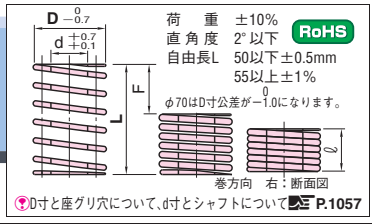
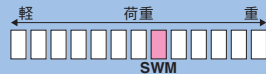


COIL SPRINGS -SWM-  
コイルスプリング  
-SWM-



コイルスプリング

D	d	L	ばね定数			F=L×25.6%			F=L×28.8%			F=L×32%			型式	標準単価
			N/mm(kgf/mm)	mm	mm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm		
6	3	15	20.4(2.08)	9.8	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	SWM6-15	85	
		20	15.3(1.56)	13.1	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	20	90	
		25	12.3(1.25)	16.4	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	95	
		30	10.2(1.04)	19.6	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	105	
		35	8.8(0.89)	22.9	9.0	79	10.1	88	11.2	98	11.5	12.8	14.1	15.4	35	115
		40	7.7(0.78)	26.2	10.2	(8.0)	11.5	(9.0)	12.8	(10)	14.4	16.0	17.6	19.2	40	115
		45	6.8(0.69)	29.4	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	125
		50	6.1(0.63)	32.7	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	135
		55	5.6(0.57)	36.0	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	145
		60	5.1(0.52)	39.2	15.4	17.3	19.2	21.0	22.8	24.6	26.4	28.2	30.0	31.8	60	155
8	4	10	42.9(4.37)	6.6	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	SWM8-10	65	
		15	28.6(2.91)	9.4	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	15	65	
		20	21.5(2.18)	12.5	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	20	75	
		25	17.2(1.75)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	75	
		30	14.3(1.46)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	85	
		35	12.2(1.25)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	90
		40	10.7(1.09)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	95
		45	9.5(0.97)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	115
		50	8.6(0.87)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	135
		55	7.8(0.79)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	155
10	5	10	61.3(6.25)	6.6	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	SWM10-10	65	
		15	40.9(4.17)	9.8	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	15	65	
		20	30.6(3.13)	12.5	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	20	65	
		25	24.5(2.50)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	75	
		30	20.4(2.08)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	85	
		35	17.5(1.79)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	90
		40	15.3(1.56)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	95
		45	13.6(1.39)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	105
		50	12.3(1.25)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	115
		55	11.1(1.14)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	115
12	6	10	59.2(6.04)	9.8	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	SWM12-15	90	
		20	44.4(4.53)	12.5	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	20	90	
		25	35.3(3.63)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	95	
		30	29.6(3.02)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	105	
		35	25.4(2.59)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	115
		40	22.2(2.27)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	115
		45	19.7(2.01)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	125
		50	17.8(1.81)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	135
		55	16.2(1.65)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	145
		60	14.8(1.51)	37.6	15.4	17.3	19.2	21.0	22.8	24.6	26.4	28.2	30.0	31.8	60	155
14	7	20	59.8(6.09)	13.1	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	SWM14-20	125	
		25	47.9(4.88)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	125	
		30	39.9(4.08)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	135	
		35	34.2(3.48)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	145
		40	29.9(3.05)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	155
		45	26.6(2.71)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	160
		50	23.9(2.44)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	170
		55	21.8(2.22)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	180
		60	19.9(2.03)	37.6	15.4	17.3	19.2	21.0	22.8	24.6	26.4	28.2	30.0	31.8	60	185
		65	18.4(1.88)	40.7	16.6	18.7	20.8	22.9	25.0	27.1	29.2	31.3	33.4	35.5	65	190
16	8	20	78.1(7.97)	13.1	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	SWM16-20	145	
		25	62.5(6.38)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	145	
		30	52.1(5.31)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	155	
		35	44.7(4.55)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	160
		40	39.1(3.98)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	180
		45	34.7(3.54)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	185
		50	31.3(3.19)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	190
		55	28.4(2.90)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	210
		60	26.0(2.66)	37.6	15.4	17.3	19.2	21.0	22.8	24.6	26.4	28.2	30.0	31.8	60	220
		65	24.0(2.45)	40.7	16.6	18.7	20.8	22.9	25.0	27.1	29.2	31.3	33.4	35.5	65	230
18	9	20	99.6(10.2)	13.1	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	SWM18-20	155	
		25	79.7(8.13)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	155	
		30	66.4(6.77)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	160	
		35	56.9(5.80)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	180
		40	49.8(5.08)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	185
		45	44.3(4.51)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	190
		50	39.8(4.06)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	210
		55	36.2(3.69)	34.4	14.1	15.8	17.6	19.2	20.8	22.4	24.0	25.6	27.2	28.8	55	220
		60	33.2(3.39)	37.6	15.4	17.3	19.2	21.0	22.8	24.6	26.4	28.2	30.0	31.8	60	230
		65	30.6(3.13)	40.7	16.6	18.7	20.8	22.9	25.0	27.1	29.2	31.3	33.4	35.5	65	250
22	11	20	123(12.5)	13.1	5.1	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	SWM20-20	155	
		25	98.0(10.0)	15.7	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	25	155	
		30	81.7(8.33)	18.8	7.7	8.6	9.6	10.6	11.6	12.6	13.6	14.6	15.6	30	160	
		35	70.0(7.14)	21.9	9.0	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.8	18.9	35	180
		40	61.3(6.25)	25.0	10.2	11.5	12.8	14.1	15.4	16.7	18.0	19.3	20.6	21.9	40	185
		45	54.4(5.55)	28.2	11.5	13.0	14.4	15.8	17.2	18.6	20.0	21.4	22.8	24.2	45	190
		50	49.0(5.00)	31.3	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	50	210
		55	44.5(4.55)	34.4	14.1	15.8	17.6	19.2	20.8							