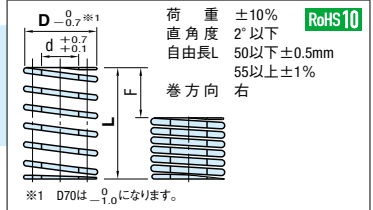


COIL SPRINGS -SWL-

コイルスプリング

-SWL-



D	d	L	ばね定数		F=L×32%		F=L×36%		F=L×40%		型式 Type D-L
			N/mm(kgf/mm)	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	
6	3	15	13.1(1.33)	4.8	6.3	5.4	6.0	6.6	7.2	7.8	SWL6-15
		20	9.8(1.00)	6.4	8.5	7.2	8.0	8.8	9.6	10.4	20
		25	7.8(0.80)	8.0	10.7	9.0	10.0	11.0	12.0	13.0	25
		30	6.5(0.67)	9.6	13.0	10.8	12.0	13.2	14.4	15.6	30
		35	5.6(0.57)	11.2	15.2	12.6	14.0	15.4	16.8	18.2	35
		40	4.9(0.50)	12.8	17.4	14.4	16.0	17.6	19.2	20.8	40
8	4	10	24.5(2.50)	3.2	3.6	4.0	4.4	4.8	5.2	5.6	SWL8-10
		15	16.3(1.67)	4.8	5.4	6.0	6.6	7.2	7.8	8.4	15
		20	12.3(1.25)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	20
		25	9.8(1.00)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	8.2(0.83)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	7.0(0.71)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	6.1(0.63)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	5.4(0.56)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	4.9(0.50)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	4.5(0.45)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	4.1(0.42)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	3.8(0.38)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
70	3.5(0.36)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70		
75	3.3(0.33)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75		
80	3.1(0.31)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
10	5	10	34.3(3.50)	3.2	3.6	4.0	4.4	4.8	5.2	5.6	SWL10-10
		15	22.9(2.33)	4.8	5.4	6.0	6.6	7.2	7.8	8.4	15
		20	17.2(1.75)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	20
		25	13.7(1.40)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	11.4(1.17)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	9.8(1.00)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	8.6(0.88)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	7.6(0.78)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	6.9(0.70)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	6.2(0.64)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	5.7(0.58)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	5.3(0.54)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
70	4.9(0.50)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70		
75	4.6(0.47)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75		
80	4.3(0.44)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
90	3.8(0.39)	28.8	32.4	36.0	38.0	40.0	42.0	44.0	90		
12	6	15	34.3(3.50)	4.8	5.4	6.0	6.6	7.2	7.8	8.4	SWL12-15
		20	25.7(2.63)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	20
		25	20.6(2.10)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	17.2(1.75)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	14.7(1.50)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	12.9(1.31)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	11.4(1.17)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	10.3(1.05)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	9.4(0.95)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	8.6(0.88)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	7.9(0.81)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
		70	7.4(0.75)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70
75	6.9(0.70)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75		
80	6.4(0.66)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
90	5.7(0.58)	28.8	32.4	36.0	38.0	40.0	42.0	44.0	90		
14	7	20	34.3(3.50)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	SWL14-20
		25	27.5(2.80)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	22.9(2.33)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	19.6(2.00)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	17.2(1.75)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	15.3(1.56)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	13.7(1.40)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	12.5(1.27)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	11.4(1.17)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	10.6(1.08)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
		70	9.8(1.00)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70
		75	9.2(0.93)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75
80	8.6(0.88)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
90	7.6(0.78)	28.8	32.4	36.0	38.0	40.0	42.0	44.0	90		
100	6.9(0.70)	32.0	36.0	40.0	42.0	44.0	46.0	48.0	100		

D	d	L	ばね定数		F=L×32%		F=L×36%		F=L×40%		型式 Type D-L
			N/mm(kgf/mm)	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	Fmm	
16	8	20	42.9(4.38)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	SWL16-20
		25	34.3(3.50)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	28.6(2.92)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	24.5(2.50)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	21.5(2.19)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	19.1(1.94)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	17.2(1.75)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	15.6(1.59)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	14.3(1.46)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	13.2(1.35)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
		70	12.3(1.25)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70
		75	11.4(1.17)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75
80	10.7(1.09)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
85	9.5(0.97)	28.8	32.4	36.0	38.0	40.0	42.0	44.0	85		
90	8.6(0.88)	32.0	36.0	40.0	42.0	44.0	46.0	48.0	90		
100	7.4(0.76)	40.0	45.0	50.0	55.0	60.0	65.0	70.0	100		
18	9	20	52.7(5.38)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	SWL18-20
		25	42.2(4.30)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	35.1(3.58)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	30.1(3.07)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	26.4(2.69)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	23.4(2.39)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	21.1(2.15)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	19.2(1.95)	17.6	19.8	22.0	24.0	26.0	28.0	30.0	55
		60	17.6(1.79)	19.2	21.6	24.0	26.0	28.0	30.0	32.0	60
		65	16.2(1.65)	20.8	23.4	26.0	28.0	30.0	32.0	34.0	65
		70	15.1(1.54)	22.4	25.2	28.0	30.0	32.0	34.0	36.0	70
		75	14.1(1.43)	24.0	27.0	30.0	32.0	34.0	36.0	38.0	75
80	13.2(1.34)	25.6	28.8	32.0	34.0	36.0	38.0	40.0	80		
85	12.3(1.25)	27.2	30.6	34.0	36.0	38.0	40.0	42.0	85		
90	11.7(1.19)	28.8	32.4	36.0	38.0	40.0	42.0	44.0	90		
100	10.5(1.08)	32.0	36.0	40.0	42.0	44.0	46.0	48.0	100		
125	8.4(0.86)	40.0	45.0	50.0	55.0	60.0	65.0	70.0	125		
20	10	20	66.2(6.75)	6.4	7.2	8.0	8.8	9.6	10.4	11.2	SWL20-20
		25	53.0(5.40)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	25
		30	44.1(4.50)	9.6	10.8	12.0	13.2	14.4	15.6	16.8	30
		35	37.8(3.86)	11.2	12.6	14.0	15.4	16.8	18.2	19.6	35
		40	33.1(3.38)	12.8	14.4	16.0	17.6	19.2	20.8	22.4	40
		45	29.4(3.00)	14.4	16.2	18.0	20.0	22.0	24.0	26.0	45
		50	26.5(2.70)	16.0	18.0	20.0	22.0	24.0	26.0	28.0	50
		55	24.1(2.45)	17.6	19.8	22.0	24.0	26.0	28		