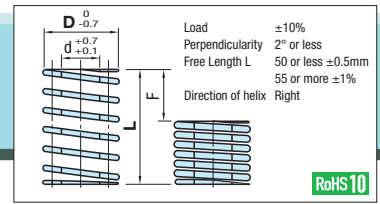


Coil Spring

Light Load SWL



D	d	L	Spring Constant N/mm(kg/mm)	F=Lx32%		F=Lx36%		F=Lx40%		Part Number Type D-L	Unit Price
				Fmm	Load N(kgf)	Fmm	Load N(kgf)	Fmm	Load N(kgf)		
6	3	15	13.1(1.33)	4.8	5.4	6.0	6.0	6.0	6.0	SWL 6- 78 {8.0}	15
		20	9.8(1.00)	6.4	7.2	8.0	8.0	8.0	8.0		20
		25	7.8(0.80)	8.0	9.0	71	10.0	10.0	10.0		25
		30	6.5(0.67)	9.6	10.8	7.2	12.0	12.0	12.0		30
		35	5.6(0.57)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	4.9(0.50)	12.8	14.4	16.0	16.0	16.0	16.0		40
8	4	10	24.5(2.50)	3.2	3.6	4.0	4.0	4.0	4.0	SWL 8- 98 {10}	10
		15	16.3(1.67)	4.8	5.4	6.0	6.0	6.0	6.0		15
		20	12.3(1.25)	6.4	7.2	8.0	8.0	8.0	8.0		20
		25	9.8(1.00)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	8.2(0.83)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	7.0(0.71)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	6.1(0.63)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	5.4(0.56)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	4.9(0.50)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	4.5(0.45)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	4.1(0.42)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	3.8(0.38)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	3.5(0.36)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	3.3(0.33)	24.0	27.0	30.0	30.0	30.0	30.0		75
80	3.1(0.31)	25.6	28.8	32.0	32.0	32.0	32.0	80			
10	5	10	34.3(3.50)	3.2	3.6	4.0	4.0	4.0	4.0	SWL 10- 137 {14}	10
		15	22.9(2.33)	4.8	5.4	6.0	6.0	6.0	6.0		15
		20	17.2(1.75)	6.4	7.2	8.0	8.0	8.0	8.0		20
		25	13.7(1.40)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	11.4(1.17)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	9.8(1.00)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	8.6(0.88)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	7.6(0.78)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	6.9(0.70)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	6.2(0.64)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	5.7(0.58)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	5.3(0.54)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	4.9(0.50)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	4.6(0.47)	24.0	27.0	30.0	30.0	30.0	30.0		75
80	4.3(0.44)	25.6	28.8	32.0	32.0	32.0	32.0	80			
90	3.8(0.39)	28.8	32.4	36.0	36.0	36.0	36.0	90			
12	6	15	34.3(3.50)	4.8	5.4	6.0	6.0	6.0	6.0	SWL 12- 206 {21}	15
		20	25.7(2.63)	6.4	7.2	8.0	8.0	8.0	8.0		20
		25	20.6(2.10)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	17.2(1.75)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	14.7(1.50)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	12.9(1.31)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	11.4(1.17)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	10.3(1.05)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	9.4(0.95)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	8.6(0.88)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	7.9(0.81)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	7.4(0.75)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	6.9(0.70)	24.0	27.0	30.0	30.0	30.0	30.0		75
		80	6.4(0.66)	25.6	28.8	32.0	32.0	32.0	32.0		80
90	5.7(0.58)	28.8	32.4	36.0	36.0	36.0	36.0	90			
14	7	20	34.3(3.50)	6.4	7.2	8.0	8.0	8.0	8.0	SWL 14- 275 {28}	20
		25	27.5(2.80)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	22.9(2.33)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	19.6(2.00)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	17.2(1.75)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	15.3(1.56)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	13.7(1.40)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	12.5(1.27)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	11.4(1.17)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	10.6(1.08)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	9.8(1.00)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	9.2(0.93)	24.0	27.0	30.0	30.0	30.0	30.0		75
		80	8.6(0.88)	25.6	28.8	32.0	32.0	32.0	32.0		80
		90	7.6(0.78)	28.8	32.4	36.0	36.0	36.0	36.0		90
100	6.9(0.70)	32.0	36.0	40.0	40.0	40.0	40.0	100			

Usage Count 1 Million Times 500,000 Times 300,000 Times



Ordering Example
Part Number
SWL22-100
SWM20-50

* Load calculation method = Spring constant x Deflection
(Int'l Unit)
N=mmxMmm
kgf=kgf/mmxFmm
(kgf=Nx0.101972)

M Material: Oil tempered wires for springs

D	d	L	Spring Constant N/mm(kg/mm)	F=Lx32%		F=Lx36%		F=Lx40%		Part Number Type D-L	Unit Price
				Fmm	Load N(kgf)	Fmm	Load N(kgf)	Fmm	Load N(kgf)		
16	8	20	42.9(4.38)	6.4	7.2	8.0	8.0	8.0	8.0	SWL 16- 343 {35}	20
		25	34.3(3.50)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	28.6(2.92)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	24.5(2.50)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	21.5(2.19)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	19.1(1.94)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	17.2(1.75)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	15.6(1.59)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	14.3(1.46)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	13.2(1.35)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	12.3(1.25)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	11.4(1.17)	24.0	27.0	30.0	30.0	30.0	30.0		75
		80	10.7(1.09)	25.6	28.8	32.0	32.0	32.0	32.0		80
		90	9.5(0.97)	28.8	32.4	36.0	36.0	36.0	36.0		90
100	8.6(0.88)	32.0	36.0	40.0	40.0	40.0	40.0	100			
125	6.9(0.70)	40.0	45.0	50.0	50.0	50.0	50.0	125			
18	9	20	52.7(5.38)	6.4	7.2	8.0	8.0	8.0	8.0	SWL 18- 422 {43}	20
		25	42.2(4.30)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	35.1(3.58)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	30.1(3.07)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	26.4(2.69)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	23.4(2.39)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	21.1(2.15)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	19.2(1.95)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	17.6(1.79)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	16.2(1.65)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	15.1(1.54)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	14.1(1.43)	24.0	27.0	30.0	30.0	30.0	30.0		75
		80	13.2(1.34)	25.6	28.8	32.0	32.0	32.0	32.0		80
		90	11.7(1.19)	28.8	32.4	36.0	36.0	36.0	36.0		90
100	10.5(1.08)	32.0	36.0	40.0	40.0	40.0	40.0	100			
125	8.4(0.86)	40.0	45.0	50.0	50.0	50.0	50.0	125			
20	10	20	66.2(6.75)	6.4	7.2	8.0	8.0	8.0	8.0	SWL 20- 530 {54}	20
		25	53.0(5.40)	8.0	9.0	10.0	10.0	10.0	10.0		25
		30	44.1(4.50)	9.6	10.8	12.0	12.0	12.0	12.0		30
		35	37.8(3.86)	11.2	12.6	14.0	14.0	14.0	14.0		35
		40	33.1(3.38)	12.8	14.4	16.0	16.0	16.0	16.0		40
		45	29.4(3.00)	14.4	16.2	18.0	18.0	18.0	18.0		45
		50	26.5(2.70)	16.0	18.0	20.0	20.0	20.0	20.0		50
		55	24.1(2.45)	17.6	19.8	22.0	22.0	22.0	22.0		55
		60	22.1(2.25)	19.2	21.6	24.0	24.0	24.0	24.0		60
		65	20.4(2.08)	20.8	23.4	26.0	26.0	26.0	26.0		65
		70	18.9(1.93)	22.4	25.2	28.0	28.0	28.0	28.0		70
		75	17.7(1.80)	24.0	27.0	30.0	30.0	30.0	30.0		75
		80	16.5(1.69)	25.6	28.8	32.0	32.0	32.0	32.0		80
		90	14.7(1.50)	28.8	32.4	36.0	36.0	36.0	36.0		90
100	13.2(1.35)	32.0									