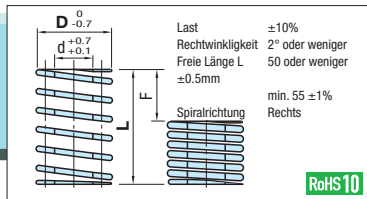


Schraubenfeder

Für geringe Last SWL



D	d	L	Federkonstante N/mm(kgf/mm)	F = L x 32% Fmm Last N(kgf)	F = L x 36% Fmm Last N(kgf)	F = Lx40% Fmm Last N(kgf)	Teilenummer Ausführung D-L	Stückpreis
6	3	15	13.1(1.33)	4.8	5.4	6.0	SWL 6-	15
		20	9.8(1.00)	6.4	7.2	8.0	20	20
		25	7.8(0.80)	8.0	9.0	10.0	25	25
		30	6.5(0.67)	9.6	10.8	12.0	30	30
		35	5.6(0.57)	11.2	12.6	14.0	35	35
		40	4.9(0.50)	12.8	14.4	16.0	40	40
8	4	10	24.5(2.50)	3.2	3.6	4.0	SWL 8-	10
		15	16.3(1.67)	4.8	5.4	6.0	15	15
		20	12.3(1.25)	6.4	7.2	8.0	20	20
		25	9.8(1.00)	8.0	9.0	10.0	25	25
		30	8.2(0.83)	9.6	10.8	12.0	30	30
		35	7.0(0.71)	11.2	12.6	14.0	35	35
		40	6.1(0.63)	12.8	14.4	16.0	40	40
		45	5.4(0.56)	14.4	16.2	18.0	45	45
		50	4.9(0.50)	16.0	18.0	20.0	50	50
		55	4.5(0.45)	17.6	19.8	22.0	55	55
		60	4.1(0.42)	19.2	21.6	24.0	60	60
		65	3.8(0.38)	20.8	23.4	26.0	65	65
		70	3.5(0.36)	22.4	25.2	28.0	70	70
		75	3.3(0.33)	24.0	27.0	30.0	75	75
10	5	80	3.1(0.31)	25.6	28.8	32.0	80	80
		10	34.3(3.50)	3.2	3.6	4.0	SWL 10-	10
		15	22.9(2.33)	4.8	5.4	6.0	15	15
		20	17.2(1.75)	6.4	7.2	8.0	20	20
		25	13.7(1.40)	8.0	9.0	10.0	25	25
		30	11.4(1.17)	9.6	10.8	12.0	30	30
		35	9.8(1.00)	11.2	12.6	14.0	35	35
		40	8.6(0.88)	12.8	14.4	16.0	40	40
		45	7.6(0.78)	14.4	16.2	18.0	45	45
		50	6.9(0.70)	16.0	18.0	20.0	50	50
		55	6.2(0.64)	17.6	19.8	22.0	55	55
		60	5.7(0.58)	19.2	21.6	24.0	60	60
		65	5.3(0.54)	20.8	23.4	26.0	65	65
		70	4.9(0.50)	22.4	25.2	28.0	70	70
12	6	75	4.6(0.47)	24.0	27.0	30.0	75	75
		80	4.3(0.44)	25.6	28.8	32.0	80	80
		90	3.8(0.39)	28.8	32.4	36.0	90	90
		15	34.3(3.50)	4.8	5.4	6.0	SWL 12-	15
		20	25.7(2.63)	6.4	7.2	8.0	20	20
		25	20.6(2.10)	8.0	9.0	10.0	25	25
		30	17.2(1.75)	9.6	10.8	12.0	30	30
		35	14.7(1.50)	11.2	12.6	14.0	35	35
		40	12.9(1.31)	12.8	14.4	16.0	40	40
		45	11.4(1.17)	14.4	16.2	18.0	45	45
		50	10.3(1.05)	16.0	18.0	20.0	50	50
		55	9.4(0.95)	17.6	19.8	22.0	55	55
		60	8.6(0.88)	19.2	21.6	24.0	60	60
		65	7.9(0.81)	20.8	23.4	26.0	65	65
14	7	70	7.4(0.75)	22.4	25.2	28.0	70	70
		75	6.9(0.70)	24.0	27.0	30.0	75	75
		80	6.4(0.66)	25.6	28.8	32.0	80	80
		90	5.7(0.58)	28.8	32.4	36.0	90	90
		20	34.3(3.50)	6.4	7.2	8.0	SWL 14-	20
		25	27.5(2.80)	8.0	9.0	10.0	25	25
		30	22.9(2.33)	9.6	10.8	12.0	30	30
		35	19.6(2.00)	11.2	12.6	14.0	35	35
		40	17.2(1.75)	12.8	14.4	16.0	40	40
		45	15.3(1.56)	14.4	16.2	18.0	45	45
		50	13.7(1.40)	16.0	18.0	20.0	50	50
		55	12.5(1.27)	17.6	19.8	22.0	55	55
		60	11.4(1.17)	19.2	21.6	24.0	60	60
		65	10.6(1.08)	20.8	23.4	26.0	65	65

Gebrauchshäufigkeit Eine Million Mal 500.000 Mal 300.000 Mal

Ordering Example

Teilenummer SWL22-100 SWN20-80

• Methode der Traglastberechnung = Federkonstante x Auslenkung (Intern. Einheit) N=N/mm x Fmm

kgf = kgf/mm x Fmm (kgf = N x 0.101972)

Werkstoff: Ölgehärteter Draht für Federn

D	d	L	Federkonstante N/mm(kgf/mm)	F = L x 32% Fmm Last N(kgf)	F = L x 36% Fmm Last N(kgf)	F = Lx40% Fmm Last N(kgf)	Teilenummer Ausführung D-L	Stückpreis
16	8	20	42.9(4.38)	6.4	7.2	8.0	SWL 16-	20
		25	34.3(3.50)	8.0	9.0	10.0	25	25
		30	28.6(2.92)	9.6	10.8	12.0	30	30
		35	24.5(2.50)	11.2	12.6	14.0	35	35
		40	21.5(2.19)	12.8	14.4	16.0	40	40
		45	19.1(1.94)	14.4	16.2	18.0	45	45
		50	17.2(1.75)	16.0	18.0	20.0	50	50
		55	15.6(1.59)	17.6	19.8	22.0	55	55
		60	14.3(1.46)	19.2	21.6	24.0	60	60
		65	13.2(1.35)	20.8	23.4	26.0	65	65
		70	12.3(1.25)	22.4	25.2	28.0	70	70
		75	11.4(1.17)	24.0	27.0	30.0	75	75
		80	10.7(1.09)	25.6	28.8	32.0	80	80
		90	9.5(0.97)	28.8	32.4	36.0	90	90
18	9	100	8.6(0.88)	32.0	36.0	40.0	100	100
		125	6.9(0.70)	40.0	45.0	50.0	125	125
		20	52.7(5.38)	6.4	7.2	8.0	SWL 18-	20
		25	42.4(4.30)	8.0	9.0	10.0	25	25
		30	35.1(3.58)	9.6	10.8	12.0	30	30
		35	30.1(3.07)	11.2	12.6	14.0	35	35
		40	26.4(2.69)	12.8	14.4	16.0	40	40
		45	23.4(2.39)	14.4	16.2	18.0	45	45
		50	21.2(2.15)	16.0	18.0	20.0	50	50
		55	19.2(1.95)	17.6	19.8	22.0	55	55
		60	17.6(1.79)	19.2	21.6	24.0	60	60
		65	16.2(1.65)	20.8	23.4	26.0	65	65
		70	15.1(1.54)	22.4	25.2	28.0	70	70
		75	14.1(1.43)	24.0	27.0	30.0	75	75
20	10	80	13.2(1.34)	25.6	28.8	32.0	80	80
		90	11.7(1.19)	28.8	32.4	36.0	90	90
		100	10.5(1.08)	32.0	36.0	40.0	100	100
		125	8.4(0.86)	40.0	45.0	50.0	125	125
		20	66.2(6.75)	6.4	7.2	8.0	SWL 20-	20
		25	53.0(5.40)	8.0	9.0	10.0	25	25
		30	44.1(4.50)	9.6	10.8	12.0	30	30
		35	37.8(3.86)	11.2	12.6	14.0	35	35
		40	33.1(3.38)	12.8	14.4	16.0	40	40
		45	29.4(3.00)	14.4	16.2	18.0	45	45
		50	26.5(2.70)	16.0	18.0	20.0	50	50
		55	24.1(2.45)	17.6	19.8	22.0	55	55
		60	22.1(2.25)	19.2	21.6	24.0	60	60
		65	20.4(2.08)	20.8	23.4	26.0	65	65
22	11	70	18.9(1.93)	22.4	25.2	28.0	70	70
		75	17.7(1.80)	24.0	27.0	30.0	75	75
		80	16.5(1.69)	25.6	28.8	32.0	80	80
		90	14.7(1.50)	28.8	32.4	36.0	90	90
		100	13.2(1.35)	32.0	36.0	40.0	100	100
		125	10.6(1.08)	40.0	45.0	50.0	125	125
		150	8.8(0.90)	48.0	54.0	60.0	150	150
		25	65.7(6.70)	8.0	9.0	10.0	SWL 22-	25
		30	54.8(5.58)	9.6	10.8	12.0	30	30
		35	46.9(4.79)	11.2	12.6	14.0	35	35
		40	41.1(4.19)	12.8	14.4	16.0	40	40
		45	36.5(3.72)	14.4	16.2	18.0	45	45
		50	32.9(3.35)	16.0	18.0	20.0	50	50
		55	29.9(3.05)	17.6	19.8	22.0	55	55
25	12.5	60	27.4(2.79)	19.2	21.6	24.0	60	60
		65	25.3(2.58)	20.8	23.4	26.0	65	65
		70	23.5(2.39)	22.4	25.2	28.0	70	70
		75	21.9(2.23)	24.0	27.0	30.0	75	75
		80	20.5(2.09)	25.6	28.8	32.0	80	80
		90	18.3(1.86)	28.8	32.4	36.0	90	90
		100	16.4(1.68)	32.0	36.0	40.0	100	100
		125	13.1(1.34)	40.0	45.0	50.0	125	125
		150	11.0(1.12)	48.0	54.0	60.0	150	150
		25	82.4(8.40)	8.0	9.0	10.0	SWL 25-	25
		30	68.7(7.00)	9.6	10.8	12.0	30	30
		35	58.8(6.00)	11.2	12.6	14.0	35	35
		40	51.5(5.25)	12.8	14.4	16.0	40	40
		45	45.8(4.67)	14.4	16.2	18.0	45	45
25	12.5	50	41.2(4.20)	16.0	18.0	20.0	50	50
		55	37.4(3.82)	17.6	19.8	22.0	55	55
		60	34.3(3.50)	19.2	21.6	24.0	60	60
		65	31.7(3.23)	20.8	23.4	26.0	65	65
		70	29.4(3.00)	22.4	25.2	28.0	70	70
		75	27.5(2.80)	24.0	27.0	30.0	75	75
		80	25.7(2.63)	25.6	28.8	32.0	80	80
		90	22.9(2.33)	28.8	32.4	36.0	90	90
		100	20.6(2.10)	32.0	36.0	40.0	100	100