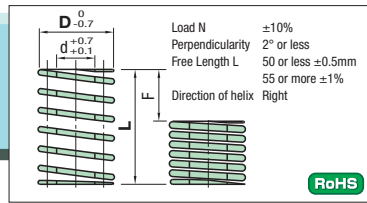


Coil Spring

Heavy Load SWH



RoHS

D	d	L	Spring Constant N/mm(kgf/mm)	F=Lx19.2% Fmm Load N(kgf)	F=Lx21.6% Fmm Load N(kgf)	F=Lx24% Fmm Load N(kgf)	Part Number Type D-L	Unit Price
6	3	15	38.1(3.9)	2.9	3.2	3.6	SWH 6- 15	
		20	28.5(2.9)	3.8	4.3	4.8	20	
		25	22.8(2.3)	4.8	5.4	6.0	25	
		30	19.0(1.9)	5.8	6.5	7.2	30	
		35	16.3(1.7)	6.7	7.6	8.4	35	
		40	14.3(1.5)	7.7	8.6	9.6	40	
		45	12.7(1.3)	8.6	9.7	10.8	45	
		50	11.4(1.2)	9.6	10.8	12.0	50	
		55	10.4(1.1)	10.6	11.9	13.2	55	
		60	9.5(1.0)	11.5	13.0	14.4	60	
8	4	10	85.8(8.8)	1.9	2.2	2.4	SWH 8- 10	
		15	57.2(5.8)	2.9	3.2	3.6	15	
		20	42.9(4.4)	3.8	4.3	4.8	20	
		25	34.3(3.5)	4.8	5.4	6.0	25	
		30	28.6(2.9)	5.8	6.5	7.2	30	
		35	24.5(2.5)	6.7	7.5	8.4	35	
		40	21.5(2.2)	7.7	8.6	9.6	40	
		45	19.1(1.9)	8.6	9.7	10.8	45	
		50	17.2(1.8)	9.6	10.8	12.0	50	
		55	15.6(1.6)	10.6	11.8	13.2	55	
10	5	10	123(12.5)	1.9	2.2	2.4	SWH 10- 10	
		15	81.7(8.3)	2.9	3.2	3.6	15	
		20	61.3(6.3)	3.8	4.3	4.8	20	
		25	49.0(5.0)	4.8	5.4	6.0	25	
		30	40.8(4.2)	5.8	6.5	7.2	30	
		35	35.0(3.6)	6.7	7.5	8.4	35	
		40	30.6(3.1)	7.7	8.6	9.6	40	
		45	27.2(2.8)	8.6	9.7	10.8	45	
		50	24.5(2.5)	9.6	10.8	12.0	50	
		55	22.3(2.3)	10.6	11.8	13.2	55	
12	6	10	117(11.9)	2.9	3.2	3.6	SWH 12- 10	
		15	87.7(8.9)	3.8	4.3	4.8	15	
		20	70.2(7.2)	4.8	5.4	6.0	20	
		25	58.5(6.0)	5.8	6.5	7.2	25	
		30	50.1(5.1)	6.7	7.5	8.4	30	
		35	43.9(4.5)	7.7	8.6	9.6	35	
		40	39.0(4.0)	8.6	9.7	10.8	40	
		45	35.1(3.6)	9.6	10.8	12.0	45	
		50	31.9(3.3)	10.6	11.8	13.2	50	
		55	29.2(3.0)	11.5	13.0	14.4	55	
14	7	10	120(12.3)	3.8	4.3	4.8	SWH 14- 20	
		15	96.3(9.8)	4.8	5.4	6.0	15	
		20	80.3(8.2)	5.8	6.5	7.2	20	
		25	68.8(7.0)	6.7	7.5	8.4	25	
		30	60.2(6.1)	7.7	8.6	9.6	30	
		35	53.5(5.5)	8.6	9.7	10.8	35	
		40	48.2(4.9)	9.6	10.8	12.0	40	
		45	43.8(4.5)	10.6	11.8	13.2	45	
		50	40.1(4.1)	11.5	13.0	14.4	50	
		55	37.1(3.8)	12.5	14.0	15.6	55	

D	d	L	Spring Constant N/mm(kgf/mm)	F=Lx19.2% Fmm Load N(kgf)	F=Lx21.6% Fmm Load N(kgf)	F=Lx24% Fmm Load N(kgf)	Part Number Type D-L	Unit Price
16	8	20	157(16.0)	3.8	4.3	4.8	SWH 16- 20	
		25	126(12.8)	4.8	5.4	6.0	25	
		30	105(10.7)	5.8	6.5	7.2	30	
		35	89.9(9.2)	6.7	7.5	8.4	35	
		40	78.6(8.0)	7.7	8.6	9.6	40	
		45	69.9(7.1)	8.6	9.7	10.8	45	
		50	62.9(6.4)	9.6	10.8	12.0	50	
		55	57.2(5.8)	10.6	11.8	13.2	55	
		60	52.4(5.3)	11.5	13.0	14.4	60	
		65	48.4(4.9)	12.5	14.0	15.6	65	
18	9	20	198(20.2)	3.8	4.3	4.8	SWH 18- 20	
		25	159(16.2)	4.8	5.4	6.0	25	
		30	132(13.5)	5.8	6.5	7.2	30	
		35	113(11.5)	6.7	7.5	8.4	35	
		40	99.1(10.1)	7.7	8.6	9.6	40	
		45	88.1(9.0)	8.6	9.7	10.8	45	
		50	79.3(8.1)	9.6	10.8	12.0	50	
		55	72.0(7.3)	10.6	11.8	13.2	55	
		60	66.0(6.7)	11.5	13.0	14.4	60	
		65	61.0(6.2)	12.5	14.0	15.6	65	

D	d	L	Spring Constant N/mm(kgf/mm)	F=Lx19.2% Fmm Load N(kgf)	F=Lx21.6% Fmm Load N(kgf)	F=Lx24% Fmm Load N(kgf)	Part Number Type D-L	Unit Price
20	10	20	245(25.0)	3.8	4.3	4.8	SWH 20- 20	
		25	196(20.0)	4.8	5.4	6.0	25	
		30	163(16.7)	5.8	6.5	7.2	30	
		35	140(14.3)	6.7	7.5	8.4	35	
		40	123(12.5)	7.7	8.6	9.6	40	
		45	109(11.1)	8.6	9.7	10.8	45	
		50	98.0(10.0)	9.6	10.8	12.0	50	
		55	89.1(9.1)	10.6	11.8	13.2	55	
		60	81.7(8.3)	11.5	13.0	14.4	60	
		65	75.4(7.7)	12.5	14.0	15.6	65	
22	11	20	237(24.2)	4.8	5.4	6.0	SWH 22- 25	
		25	197(20.1)	5.8	6.5	7.2	25	
		30	169(17.3)	6.7	7.6	8.4	30	
		35	148(15.1)	7.7	8.6	9.6	35	
		40	132(13.4)	8.6	9.7	10.8	40	
		45	118(12.1)	9.6	10.8	12.0	45	
		50	108(11.0)	10.6	11.9	13.2	50	
		55	98.7(10.1)	11.5	13.0	14.4	55	
		60	91.1(9.3)	12.5	14.0	15.6	60	
		65	84.6(8.6)	13.4	15.1	16.8	65	
25	12.5	20	306(31.2)	4.8	5.4	6.0	SWH 25- 25	
		25	255(26.0)	5.8	6.5	7.2	25	
		30	218(22.3)	6.7	7.6	8.4	30	
		35	191(19.5)	7.7	8.6	9.6	35	
		40	170(17.3)	8.6	9.7	10.8	40	
		45	153(15.6)	9.6	10.8	12.0	45	
		50	139(14.2)	10.6	11.9	13.2	50	
		55	127(13.0)	11.5	13.0	14.4	55	
		60	118(12.0)	12.5	14.0	15.6	60	
		65	109(11.1)	13.4	15.1	16.8	65	

D	d	L	Spring Constant N/mm(kgf/mm)	F=Lx16% Fmm Load N(kgf)	F=Lx18% Fmm Load N(kgf)	F=Lx20% Fmm Load N(kgf)	Part Number Type D-L	Unit Price
6	3	15	59.0(6.0)	2.4	2.7	3.0	SWB 6- 15	
		20	44.3(4.5)	3.2	3.6	4.0	20	
		25	35.4(3.6)	4.0	4.5	5.0	25	
		30	29.5(3.0)	4.8	5.4	6.0	30	
		35	25.3(2.6)	5.6	6.3	7.0	35	
		40	22.1(2.3)	6.4	7.2	8.0	40	
		45	19.7(2.0)	7.2	8.1	9.0	45	
		50	17.7(1.8)	8.0	9.0	10.0	50	
		55	16.1(1.6)	8.8	9.9	11.0	55	
		60	14.8(1.5)	9.6	10.8	12.0	60	
8	4	10	162(16.5)	1.6	1.8	2.0	SWB 8- 10	
		15	108(11.0)	2.4	2.7	3.0	15	
		20	80.8(8.2)	3.2	3.6	4.0	20	
		25	64.6(6.6)	4.0	4.5	5.0	25	
		30	53.8(5.5)	4.8	5.4	6.0	30	
		35	46.1(4.7)	5.6	6.3	7.0	35	
		40	40.4(4.1)	6.4	7.2	8.0	40	
		45	35.9(3.7)	7.2	8.1	9.0	45	
		50	32.3(3.3)	8.0	9.0	10.0	50	
		55	29.4(3.0)	8.8	9.9	11.0	55	
10	5	10	221(22.5)	1.6	1.8	2.0	SWB 10- 10	
		15	147(15.0)	2.4	2.7	3.0	15	
		20	110(11.2)	3.2	3.6	4.0	20	
		25	88.2(9.0)	4.0	4.5	5.0	25	
		30	73.5(7.5)	4.8	5.4	6.0	30	
		35	63.0(6.4)	5.6	6.3	7.0	35	
		40	55.1(5.6)	6.4	7.2	8.0	40	
		45	49.0(5.0)	7.2	8.1	9.0	45	
		50	44.1(4.5)	8.0	9.0	10.0	50	
		55	40.1(4.1)	8.8	9.9	11.0	55	
12	6	15	190(19.3)	2.4	2.7	3.0	SWB 12- 15	
		20	142(14.5)	3.2	3.6	4.0	20	
		25	114(11.6)	4.0	4.5	5.0	25	
		30	94.8(9.7)	4.8	5.4	6.0	30	
		35	81.3(8.3)	5.6	6.3	7.0	35	
		40	71.1(7.3)	6.4	7.2	8.0	40	
		45	63.2(6.4)	7.2	8.1	9.0	45	
		50	56.9(5.8)	8.0	9.0	10.0	50	
		55	51.7(5.3)	8.8	9.9	11.0	55	
		60	47.4(4.8)	9.6	10.8	12.0	60	
14	7	20	184(18.8)	3.2	3.6	4.0	SWB 14- 20	
		25	147(15.0)	4.0	4.5	5.0	25	
		30	123(12.5)	4.8	5.4	6.0	30	
		35	105(10.7)	5.6	6.3	7.0	35	
		40	92.0(9.4)	6.4	7.2	8.0	40	
		45	81.8(8.3)	7.2	8.1	9.0	45	
		50	73.6(7.5)	8.0	9.0	10.0	50	
		55	66.9(6.8)	8.8	9.9	11.0	55	
		60	61.3(6.3)	9.6	10.8	12.0	60	
		65	56.6(5.8)	10.4	11.7	13.0	65	

D	d	L	Spring Constant N/mm(kgf/mm)	F=Lx16% Fmm Load N(kgf)	F=Lx18% Fmm Load N(kgf)	F=Lx20% Fmm Load N(kgf)	Part Number Type D-L	Unit Price
16	8	20	245(25.0)	3.2	3.6	4.0	SWB 16- 20	
		25	196(20.0)	4.0	4.5	5.0	25	
		30	163(16.7)	4.8	5.4	6.0	30	
		35	140(14.3)	5.6	6.3	7.0	35	
		40						