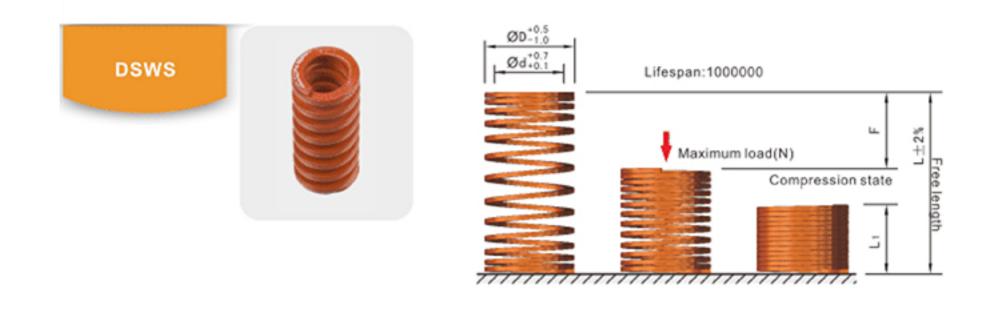
Middle deflection coil springs DSWS

Helical spring





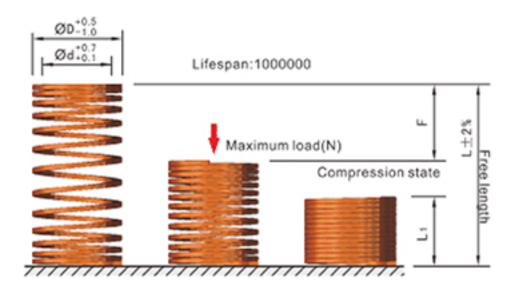
Maximum Iload calculate method: Maximum Iload=compression×spring constant N=Fmm×N/mm (kgf=N×0.101972) Maximum Iload Deviation:+20% to -10%

#### Corder DSWS-D-L

D		d		(mark)	F=L	×40%	ovo
	L		N/mm	(mm)	Fmm	N	@¥/P
	20	_	10.9 8.72	10	8		
	20 25		8.72	12.5	8 10		
	30 35 40 45		7.26	15	12		
		6.23	17.5	14			
			5.45	20	16		
			5.45 4.84	20 22.5	16 18		
10.5	50	5.5	4.36	25	20	86.3	
	50 55		3.96	27.5	22		
	60		3.63	30	24		
	60 65		3.35	32.5	24 26		
	70		3.11	35	28	1	
	70 75		2.91	37.5	30		
	80		2.72	40	32		
	80 20		2.72 15.25	10	32 8		
	25		12.2	12.5	10	121.6	
	25 30		10.17	15	10 12		
	35	6.5	8.72	17.5	14		
	35 40		7.63	20	16		
	45		6.78	22.5	18		
12.5	45 50		6.1	25	20		
14.10	55		5.55	27.5	20 22		
	60		5.08	30	24		
	65		4.69	32.5	24		
	55 60 65 70		4.36	35	26 28		
	75		4.07	37.5	20		
	75 80 20 25		3.81	40	30 32		
	20		24.51	10	02		
	20	8.5	19.61	12.5	8 10		
	20		16.37	12.5	12		
	30 35 40 45		14.02	17.5	14		
	30		14.02	17.5	14		
	40		12.25 10.88	20 22.5	18		
	40			22.5			
14.5	50 55		9.8	25	20	196.1	
	00		8.92	27.5	22		
	60		8.13	30 32.5	24 26		
	65		7.55	32.5	26		
	70 75		6.96	35	28 30		
	75		6.57	37.5	30		
	80		6.17	40	32		
	90		5.49	45	36		

Helical spring







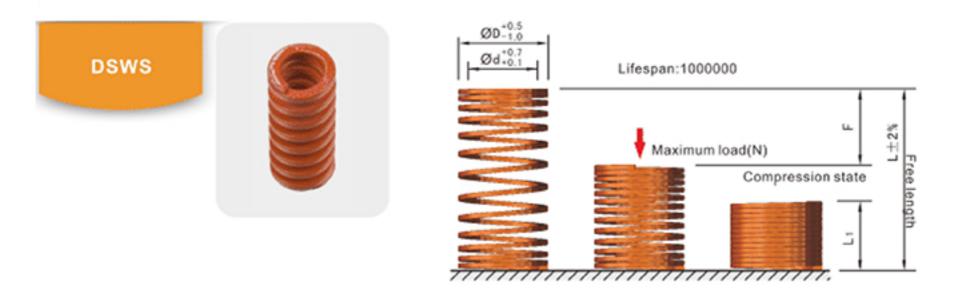
## Corder DSWS-D-L

				in the second	F=L×40%		ava
D	L	d	N/mm	(mm)	Fmm	N	@¥/P
	100		4.9	50	40		
14.5	125	8.5	3.92	62.5	50	196.1	
	150		3.27	75	60		
	25		29.41	12.5	10		
			24.51	15	12		
	30 35		20.98	17.5	12 14		
	40		18.43	20	16		
	45		16.37	20 22.5	16 18		
	50		14.7	25	20		
	55		13.33	25 27.5	20 22		
17	60	10.5	12.25	30	24	294.2	
	65	10.5	11.27	32.5	26	294.2	
	70		10.49		20		
	70 75		10.49	35 37.5	28 30		
			9.8		30		
	80		9.21	40 45	32 36		
	90		8.13	45	36		
	100		7.35	50	40		
	125		5.88	62.5	50		
	150 30		4.9	75 15	60 12		
	30		35.1	15	12		
	35		30.1	17.5	14	421.7	
	40		26.37	20	16		
	45		23.43	22.5	18		
	50		21.08	25	20		
	55		19.12	27.5	22		
	60		17.55	30	24		
	65		16.18	32.5	26		
	70		15.1	35	28		
	75		14.02	37.5	30		
21	75 80	13.5	13.14	40	30 32		
21	90	13.5	11.66	45	36		
					40		
	100		10.59	50	40		
	110		9.61	55 60	44 48		
	120		8.82				
	125		8.43	62.5	50 52		
	130		8.13	65	52		
	140		7.55	70	56		
	150		7.06	75	60		
	175		6.02	87.5	70		
	200		5.27	100	80		
	30	30	47.36	15	12 14		
	30 35 40 45		40.59	17.5	14		
			35.59	20	16		
			31.57	22.5	18		
	50		28.43	25	20		
	55	16.5	25.88	27.5	22		
	60		23.63	30	24		
	65		21.86	32.5	26		
	70		20.29	35	28		
	75		18.92	37.5	30		
26	80		17.75	40	32	568.8	
				40	32		
	90		15.78	40	36		
	100		14.21	50 55	40		
	110		12.94	50	44		
	120		11.86	60	48		
	125		11.37	62.5	50		
	130		10.98	65 70	52 56		
	140		10.19	70	56		
	150		9.51	75	60		
	175		8.13	87.5	70		

# Middle deflection coil springs DSWS

Helical spring



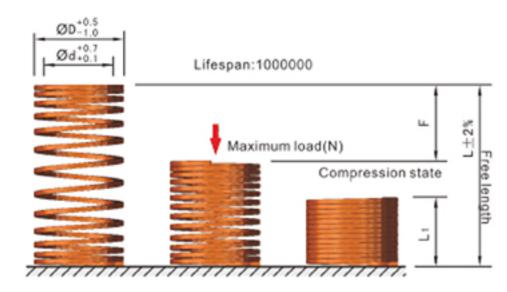


### Corder DSWS-D-L

D	L	d		(mm) -		×40%	@¥/P
			N/mm		Fmm	N	
	200 225		7.15	100	80		
26	225	16.5	6.32	112.5	90	568.8	
	250		5.69	125	100		
	40		49.03	20	16		
	45 50		43.54	22.5	18 20		
	50		39.22	25	20		
	55		35.66	27.5	22		
	55 60		32.65	30	22 24		
	65		30.17	32.5	26		
	65 70		28.04	35	26 28		
	76			37.5	20		
	75 80		26.15	40	30 32		
	00		24.51	40	32		
	90		21.77	45	36		
	100		19.61	50	40		
31	110	21	17.84	55	44	784.5	
	120		16.37	60	48		
	125		15.69	62.5	50		
	130		15.1	65	50 52 56 60		
	140		14.02	70	56		
	150		13.04	70 75	60		
	160		12.25	80	64		
	170		11.57	80 85	64 68		
	175		11.17	87.5	70		
	180		10.88	90	72		
	100		10.00	90	72		
	190		10.29	95	76 80		
	200		9.8	100	80		
	250		7.84	125	100		
	300		6.57	150	120		
	40		52.07	20	16		
	45		46.28	22.5	18		
	50		41.67	25	20		
	50 55		37.89	25 27.5	20 22		
	60		34.71	30	24		
	60 65		32.06	32.5	24 26		
	70		29.81	35	28	833.6	
	70 75		27.79	35 37.5	28 30		
	80		26.08	40	32		
	90		23.14	45	36		
	100		20.14	43	30		
	100	26	20.88	50 55	40		
	110		18.92	55	44		
37	120		17.35	60	48		
	125		16.67	62.5	50		
	130		15.98	65	50 52 56		
	140		14.9	70	56		
	150		13.92	75	60 64		
	160		13.04	75 80	64		
	170		12.25	85	68		
	175		11.86	87.5	70		
	180 190 200		11.57	90	72		
			10.98	95	76		
			10.39	100	80		
	260	50 8.33 125 00 6.96 150	100				
250	200		0.33	120	100		
	300			150	120		
	50 60 70		50.01	25	20		
	60		41.68	30 35	24 28		
	70		35.72	35	28		
44.5	80 90	31	31.26	40	32	1000.3	
	90		27.79	45	36		
	100		25.01	50	40		
	110		22.73	55	44		

Helical spring







### Corder DSWS-D-L

D	L L	d		(mm)	F=L×40%		- @¥/P
			N/mm		Fmm	N	
	120		20.84	60 65	48		
	130		19.24	65	52 56 60 64 68 72 76 80 90 100 110		
	140		17.86	70	56		
	150		16.67	75	60		
44.5	160		15.63	80 85	64	1000.3	
	170	31	14.71	85	68		
	180		13.89	90	72		
	190		13.16	95	76		
	200		12.5	100	80		
	225		11.11	112.5	90		
	200 225 250 275		10 9.09	125 137.5	100		
	275		9.09	137.5	110		
	300		8.34	150	120		
	50		63.74	150 25	120 20		
	300 50 60 70		53.15	30 35	24 28		
	70		45.5	35	28		
	80 90		39.81	40 45	32 36	1274.9	
	90		35.4	45	36		
	100		31.87	50	40 44		
	110		28.92	55	44		
	120	33	26.57	60 62.5	48 50 52 56		
40	120 125		25.49	62.5	50		
46	130		24.51	65	52		
	140		22.75	65 70	56		
	150		21.28	75	60 70 80 90		
	175		18.24	75 87.5	70		
	200		15.98	100	80		
	225		14.12	112.5	90		
	200 225 250 275 300 60		12.74	125	100		
	275		11.57	137.5	110		
	300		10.59	150	120 24 28 32		
	60		65.38	150 30	24		
	70		56.04	35	28		
	70 80		49.03	40	32		
	90		43.58	45	36		
	90 100		39.23	50	36 40		
	110		35.66	55	44		
52	120	37	32.69	60	44 48	1569.1	
	130		30.17	65	52		
	140		28.02	70	52 56		
	150		26.15	75	60		
	175		22.42	87.5	60 70		
	200		19.61	100	80		
	200 225		17.43	112.5	80 90		
	250		15.69	125	100		
	250 275		14.26	137.5	110		
	300		13.08	150	120		

