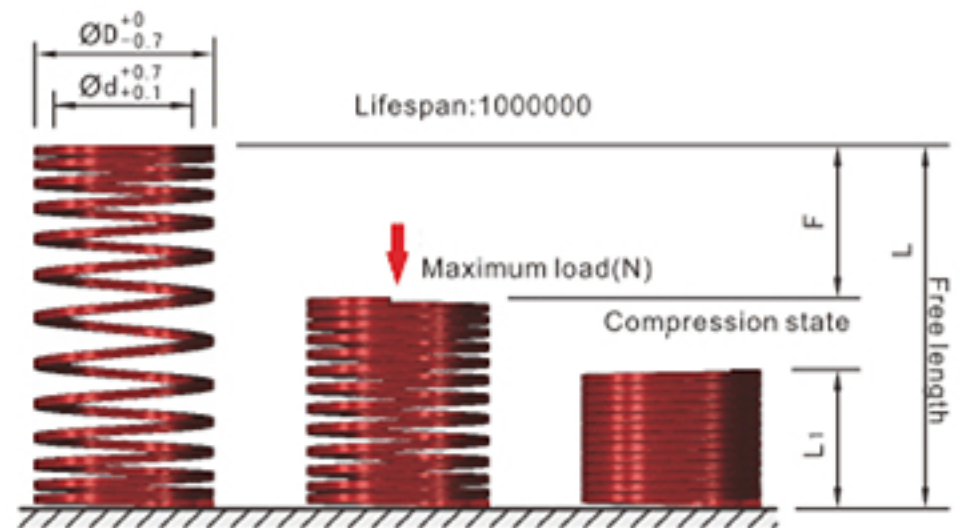




Maximum load calculate method:

Maximum load=compression×spring constant

$N = F_{mm} \times N/mm$ (kgf= $N \times 0.101972$)

Maximum load Deviation:±10%

If $D \leq 70$, Tolerance D: $+0/-1$

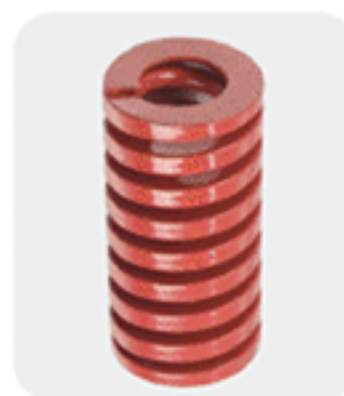
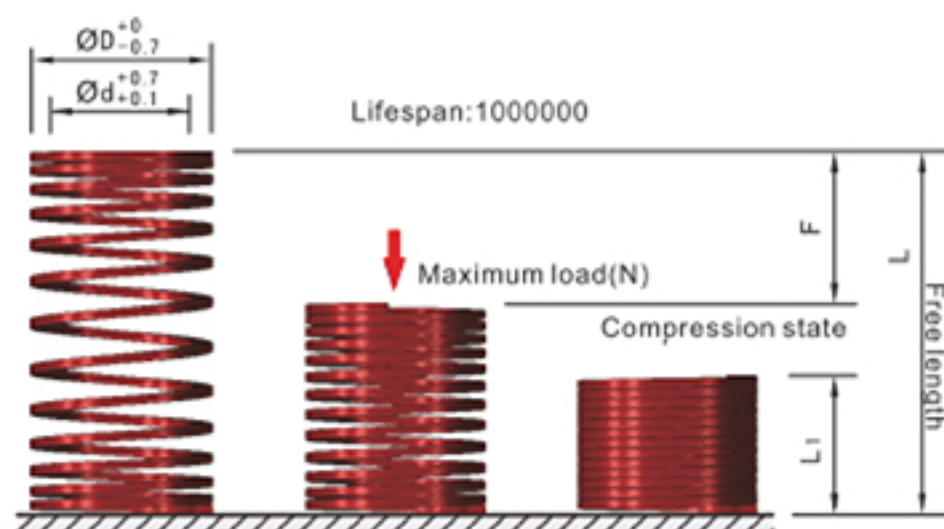
If $D \leq 50$, Tolerance L±0.5

If $D \geq 55$, Tolerance L±1%×L

Order DSWM-D-L

D	L	d	N/mm	(mm)	F=L×25.6%		F=L×28.8%		F=L×32%		@ ¥/P
					Fmm	N	Fmm	N	Fmm	N	
6	15	3	20.4	9.8	3.8	78.5	4.3	88.3	4.8	98.1	
	20		15.3	13.1	5.1		5.8		6.4		
	25		12.26	16.4	6.4		7.2		8		
	30		10.2	19.6	7.7		8.6		9.6		
	35		8.73	22.9	9		10.1		11.2		
	40		7.65	26.2	10.2		11.5		12.8		
	45		6.77	29.4	11.5		13		14.4		
	50		6.18	32.7	12.8		14.4		16		
	55		5.59	36	14.1		15.8		17.6		
	60		5.1	39.2	15.4		17.3		19.2		
8	10	4	42.9	6.6	2.6	107.9	2.9	127.5	3.2	137.3	
	15		28.4	9.4	3.8		4.3		4.8		
	20		20.6	12.5	5.1		5.8		6.4		
	25		17.7	15.7	6.4		7.2		8		
	30		14.7	18.8	7.7		8.6		9.6		
	35		12.7	21.9	9		10.1		11.2		
	40		10.8	25	10.2		11.5		12.8		
	45		8.8	28.2	11.5		13		14.4		
	50		7.8	31.3	12.8		14.4		16		
	55		6.9	34.4	14.1		15.8		17.6		
	60		6.5	37.6	15.4		17.3		19.2		
	65		6	40.7	16.6		18.7		20.8		
10	70	5	5.6	43.8	17.9	156.9	20.2	176.5	22.4	196.1	
	75		5.3	47	19.2		21.6		24		
	80		5.1	50.1	20.5		23		25.6		
	10		61.3	6.6	2.6		2.9		3.2		
	15		40.9	9.8	3.8		4.3		4.8		
	20		30.4	12.5	5.1		5.8		6.4		
	25		24.5	15.7	6.4		7.2		8		
	30		20.6	18.8	7.7		8.6		9.6		
	35		17.7	21.9	9		10.1		11.2		
	40		15.7	25	10.2		11.5		12.8		
	45		13.7	28.2	11.5		13		14.4		
	50		12.7	31.3	12.8		14.4		16		
	55		10.8	34.4	14.1		15.8		17.6		
	60		9.8	37.6	15.4		17.3		19.2		
	65		8.8	40.7	16.6		18.7		20.8		
	70		8.8	43.8	17.9		20.2		22.4		
	75		7.8	47	19.2		21.6		24		
	80		7.8	50.1	20.5		23		25.6		
	90		6.8	56.3	23		25.9		28.8		



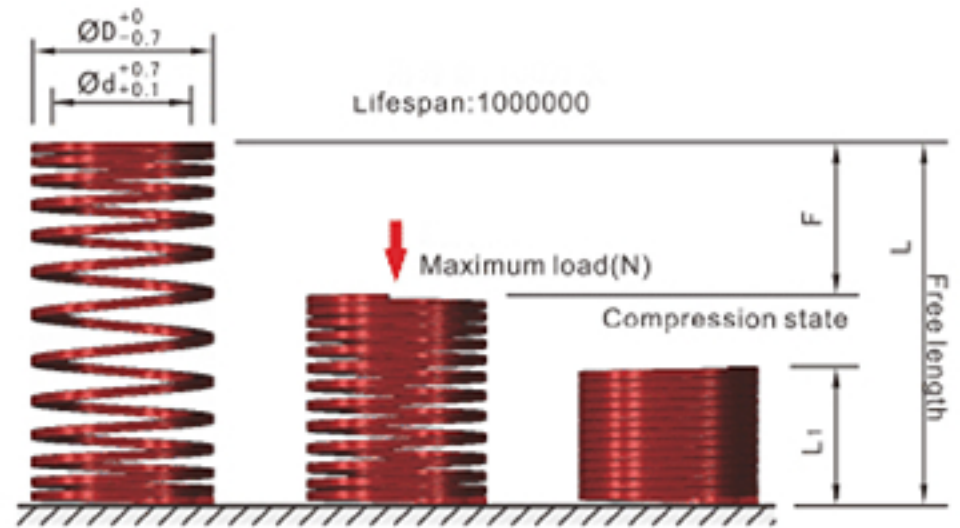


DSWM

Order DSWM-D-L

D	L	d			F=L×25.6%		F=L×28.8%		F=L×32%		@ ¥/P
			N/mm	(mm)	Fmm	N	Fmm	N	Fmm	N	
12	15	6	59.3	9.8	3.8	225.6	4.3	255	4.8	284.4	
	20		44.1	12.5	5.1		5.8		6.4		
	25		35.3	15.7	6.4		7.2		8		
	30		29.4	18.8	7.7		8.6		9.6		
	35		25.5	21.9	9		10.1		11.2		
	40		22.6	25	10.2		11.5		12.8		
	45		19.6	28.2	11.5		13		14.4		
	50		17.7	31.3	12.8		14.4		16		
	55		15.7	34.4	14.1		15.8		17.6		
	60		14.7	37.6	15.4		17.3		19.2		
	65		13.7	40.7	16.6		18.7		20.8		
	70		12.7	43.8	17.9		20.2		22.4		
14	75	7	11.8	47	19.2	304	21.6	343.2	24	382.5	
	80		10.8	50.1	20.5		23		25.6		
	90		9.9	56.3	23		25.9		28.8		
	20		59.8	13.1	5.1		5.8		6.4		
	25		48.1	15.7	6.4		7.2		8		
	30		40.2	18.8	7.7		8.6		9.6		
	35		34.3	21.9	9		10.1		11.2		
	40		29.4	25	10.2		11.5		12.8		
	45		26.5	28.2	11.5		13		14.4		
	50		23.5	31.3	12.8		14.4		16		
	55		21.6	34.4	14.1		15.8		17.6		
	60		19.6	37.6	15.4		17.3		19.2		
16	65	8	18.6	40.7	16.6	402.1	18.7	451.1	20.8	500.1	
	70		16.7	43.8	17.9		20.2		22.4		
	75		15.7	47	19.2		21.6		24		
	80		14.7	50.1	20.5		23		25.6		
	90		12.7	56.3	23		25.9		28.8		
	100		12	62.6	25.6		28.8		32		
	20		78.2	13.1	5.1		5.8		6.4		
	25		62.8	15.7	6.4		7.2		8		
	30		52	18.8	7.7		8.6		9.6		
	35		45.1	21.9	9		10.1		11.2		
	40		39.2	25	10.2		11.5		12.8		
	45		34.3	28.2	11.5		13		14.4		
18	50	9	31.4	31.3	12.8	509.9	14.4	568.8	16	637.4	
	55		28.4	34.4	14.1		15.8		17.6		
	60		26.5	37.6	15.4		17.3		19.2		
	65		24.5	40.7	16.6		18.7		20.8		
	70		22.6	43.8	17.9		20.2		22.4		
	75		20.6	47	19.2		21.6		24		
	80		19.6	50.1	20.5		23		25.6		
	90		17.7	56.3	23		25.9		28.8		
	100		15.7	62.6	25.6		28.8		32		
	20		99.6	13.1	5.1		5.8		6.4		
	25		74.9	15.7	6.4		7.2		8		
	30		66.7	18.8	7.7		8.6		9.6		

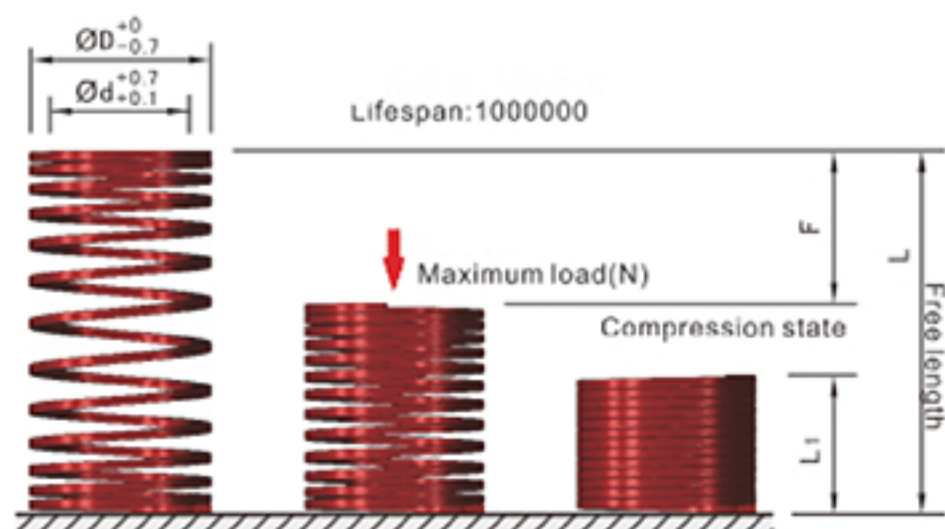




Order DSWM-D-L

D	L	d	N/mm	(mm)	F=L×25.6%		F=L×28.8%		F=L×32%		@ V/P
					Fmm	N	Fmm	N	Fmm	N	
20	20	10	122.6	13.1	5.1	627.6	5.8	706.1	6.4	784.5	
	25		98.1	15.7	6.4		7.2		8		
	30		81.4	18.8	7.7		8.6		9.6		
	35		69.6	21.9	9		10.1		11.2		
	40		61.8	25	10.2		11.5		12.8		
	45		54.9	28.2	11.5		13		14.4		
	50		49	31.3	12.8		14.4		16		
	55		44.1	34.4	14.1		15.8		17.6		
	60		41.2	37.6	15.4		17.3		19.2		
	65		37.3	40.7	16.6		18.7		20.8		
	70		35.3	43.8	17.9		20.2		22.4		
	75		32.4	47	19.2		21.6		24		
	80		30.4	50.1	20.5		23		25.6		
	90		27.5	56.3	23		25.9		28.8		
	100		24.5	62.6	25.6		28.8		32		
22	125	11	19.6	78.3	32	755.1	36	853.2	40	951.2	
	150		16.7	93.9	38.4		43.2		48		
	25		118.7	15.7	6.4		7.2		8		
	30		99	18.8	7.7		8.6		9.6		
	35		85.3	21.9	9		10.1		11.2		
	40		74.5	25	10.2		11.5		12.8		
	45		65.7	28.2	11.5		13		14.4		
	50		59.8	31.3	12.8		14.4		16		
	55		53.9	34.4	14.1		15.8		17.6		
	60		50	37.6	15.4		17.3		19.2		
	65		46.1	40.7	16.6		18.7		20.8		
	70		42.2	43.8	17.9		20.2		22.4		
	75		39.2	47	19.2		21.6		24		
	80		37.3	50.1	20.5		23		25.6		
	90		33.3	56.3	23		25.9		28.8		
25	100	12.5	29.4	62.6	25.6	980.7	28.8	1098.3	32	1225.8	
	125		23.5	78.3	32		36		40		
	150		19.6	93.9	38.4		43.2		48		
	25		153	15.7	6.4		7.2		8		
	30		127.5	18.8	7.7		8.6		9.6		
	35		109.8	21.9	9		10.1		11.2		
	40		96.1	25	10.2		11.5		12.8		
	45		85.3	28.2	11.5		13		14.4		
	50		76.5	31.3	12.8		14.4		16		
	55		69.6	34.4	14.1		15.8		17.6		
	60		63.7	37.6	15.4		17.3		19.2		
	65		58.8	40.7	16.6		18.7		20.8		
	70		54.9	43.8	17.9		20.2		22.4		
	75		51	47	19.2		21.6		24		
	80		48.1	50.1	20.5		23		25.6		
27	90	13.5	42.2	56.3	23	1147.4	25.9	1284.7	28.8	1431.8	
	100		38.2	62.6	25.6		28.8		32		
	125		30.4	78.3	32		36		40		
	150		25.5	93.9	38.4		43.2		48		
	175		19.6	109.6	44.8		50.4		56		
	25		179.5	15.7	6.4		7.2		8		
	30		149.1	18.8	7.7		8.6		9.6		
	35		127.5	21.9	9		10.1		11.2		
	40		111.8	25	10.2		11.5		12.8		
	45		99	28.2	11.5		13		14.4		
	50		89.2	31.3	12.8		14.4		16		
	55		81.4	34.4	14.1		15.8		17.6		
	60		74.5	37.6	15.4		17.3		19.2		
	65		68.6	40.7	16.6		18.7		20.8		

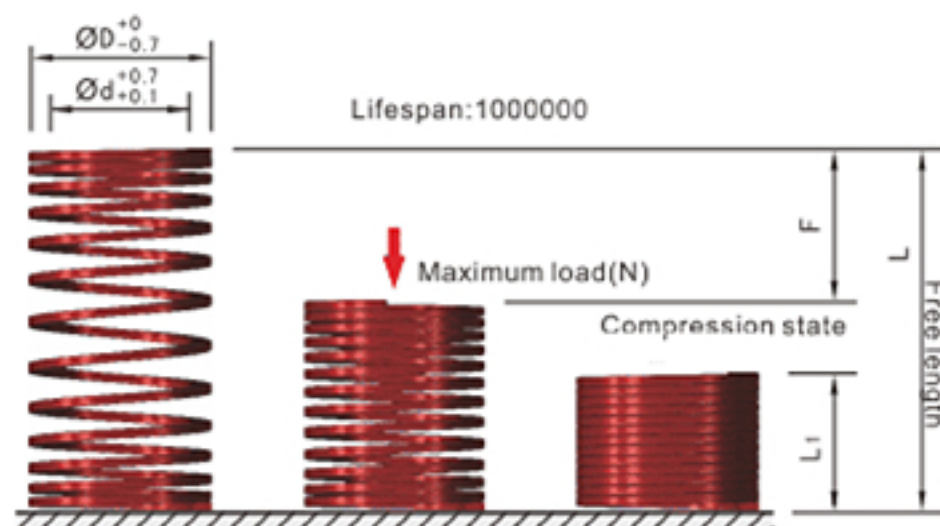




Order DSWM-D-L

D	L	d			F=L×25.6%		F=L×28.8%		F=L×32%		@ ¥ /P
			N/mm	(mm)	Fmm	N	Fmm	N	Fmm	N	
27	70	13.5	63.7	43.8	17.9	1147.4	20.2	1284.7	22.4	1431.8	
	75		59.8	47	19.2		21.6		24		
	80		55.9	50.1	20.5		23		25.6		
	90		50	56.3	23		25.9		28.8		
	100		45.1	62.6	25.6		28.8		32		
	125		36.3	78.3	32		36		40		
	150		29.4	93.9	38.4		43.2		48		
	175		25.5	109.6	44.8		50.4		56		
30	25	15	200.6	15.7	6.4	1412.2	7.2	1578.9	8	1765.2	
	30		184.4	18.8	7.7		8.6		9.6		
	35		157.9	21.9	9		10.1		11.2		
	40		138.3	25	10.2		11.5		12.8		
	45		122.6	28.2	11.5		13		14.4		
	50		110.8	31.3	12.8		14.4		16		
	55		100	34.4	14.1		15.8		17.6		
	60		92.2	37.6	15.4		17.3		19.2		
	65		85.3	40.7	16.6		18.7		20.8		
	70		78.5	43.8	17.9		20.2		22.4		
	75		73.5	47	19.2		21.6		24		
	80		68.6	50.1	20.5		23		25.6		
	90		61.8	56.3	23		25.9		28.8		
	100		54.9	62.6	25.6		28.8		32		
	125		44.1	78.3	32		36		40		
	150		37.3	93.9	38.4		43.2		48		
35	175	17.5	31.4	109.6	44.8	1912.3	50.4	2157.5	56	2402.6	
	200		27.5	125.2	51.2		57.6		64		
	40		187.3	25	10.2		11.5		12.8		
	45		166.7	28.2	11.5		13		14.4		
	50		150	31.3	12.8		14.4		16		
	55		136.3	34.4	14.1		15.8		17.6		
	60		125.5	37.6	15.4		17.3		19.2		
	65		115.7	40.7	16.6		18.7		20.8		
	70		106.9	43.8	17.9		20.2		22.4		
	75		100	47	19.2		21.6		24		
	80		94.1	50.1	20.5		23		25.6		
	90		83.4	56.3	23		25.9		28.8		
	100		75.5	62.6	25.6		28.8		32		
	125		59.8	78.3	32		36		40		
	150		50	93.9	38.4		43.2		48		
	175		43.1	109.6	44.8		50.4		56		
40	200	20	37.3	125.5	51.2	2510.5	57.6	2824.3	64	3138.1	
	40		246.1	25	10.2		11.5		12.8		
	45		218.3	28.2	11.5		13		14.4		
	50		196.1	31.3	12.8		14.4		16		
	55		178	34.4	14.1		15.8		17.6		
	60		162.8	37.6	15.4		17.3		19.2		
	65		151.2	40.7	16.6		18.7		20.8		
	70		140.2	43.8	17.9		20.2		22.4		
	75		130.8	47	19.2		21.6		24		
	80		122.6	50.1	20.5		23		25.6		
	90		108.9	56.3	23		25.9		28.8		
	100		98.1	62.6	25.6		28.8		32		
	125		78.5	78.3	32		36		40		
	150		65.7	93.9	38.4		43.2		48		
	175		55.9	109.6	44.8		50.4		56		
	200		49	125.5	51.2		57.6		64		
	225		43.6	141	57.6		64.8		72		
	250		39.2	156.5	64		72		80		
	275		35.7	172	70.4		79.2		88		
	300		32.7	196.2	76.8		86.4		96		





Order DSWM-D-L

D	L	d	N/mm	(mm)	F=L×25.6%		F=L×28.8%		F=L×32%		@ ¥ / P
					Fmm	N	Fmm	N	Fmm	N	
50	50	25	306.9	31.3	12.8		14.4		16		
	55		278.6	34.4	14.1		15.8		17.6		
	60		255	37.6	15.4		17.3		19.2		
	65		235.7	40.7	16.6		18.7		20.8		
	70		218.7	43.8	17.9		20.2		22.4		
	75		204.3	47	19.2		21.6		24		
	80		191.2	50.1	20.5		23		25.6		
	90		170.6	56.3	23		25.9		28.8		
	100		153	62.6	25.6		28.8		32		
	125		122.6	78.3	32	3922.7	36	4413	40	4903.3	
	150		102	93.9	38.4		43.2		48		
	175		87.3	109.6	44.8		50.4		56		
	200		76.5	125.2	51.2		57.6		64		
	225		68.1	141	57.6		64.8		72		
60	250	30	60.8	156.5	64		72		80		
	275		55.7	172	70.4		79.2		88		
	300		51	187.8	76.8		86.4		96		
	350		43.8	228.9	89.6		100.8		112		
	60		365.8	37.6	15.4		17.3		19.2		
	70		314.8	43.8	17.9		20.2		22.4		
	80		275.6	50.1	20.5		23		25.6		
	90		245.2	56.3	23		25.9		28.8		
	100		220.6	62.6	25.6		28.8		32		
	125		176.5	78.3	32	5638.8	36	6354.7	40	7060.8	
70	150	38.5	147	93.9	38.4		43.2		48		
	175		126.5	109.6	44.8		50.4		56		
	200		110.8	125.2	51.2		57.6		64		
	250		88.3	156.5	64		72		80		
	300		73.5	187.8	76.8		86.4		96		
	350		62.9	228.9	89.6		100.8		112		
	70		372.2	45.8	17.9		20.2		22.4		
	80		325.6	52.3	20.5		23		25.6		
	90		289.9	58.9	23		25.9		28.8		
	100		260.5	65.4	25.6		28.8		32		
	125		208.4	81.8	32	6668.5	36	7502.1	40	8335.6	
	150		173.7	98.1	38.4		43.2		48		
	175		148.9	114.5	44.8		50.4		56		
	200		130.2	130.8	51.2		57.6		64		
	250		104.2	163.5	64		72		80		
	300		86.8	196.2	76.8		86.4		96		
	350		74.4	228.9	89.6		100.8		112		

