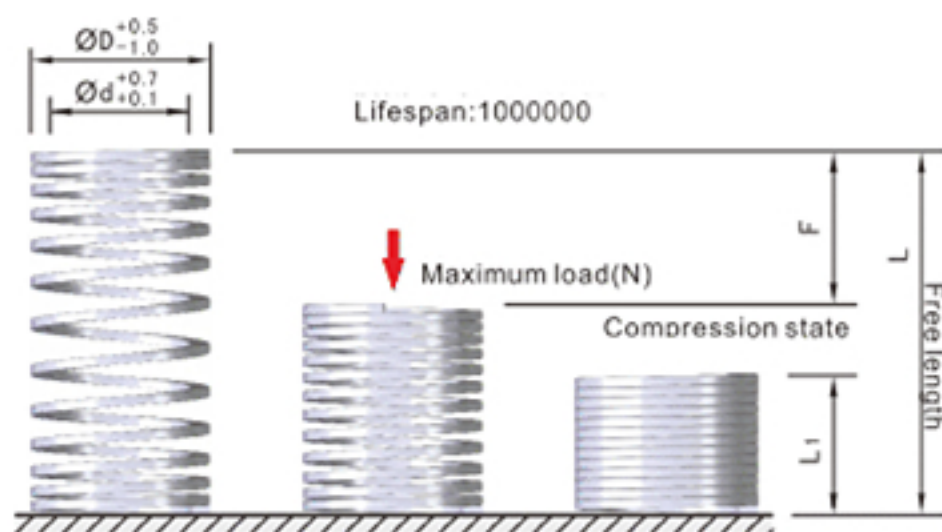


DSWR



### Maximum load calculate method:

Maximum load = compression × spring constant

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

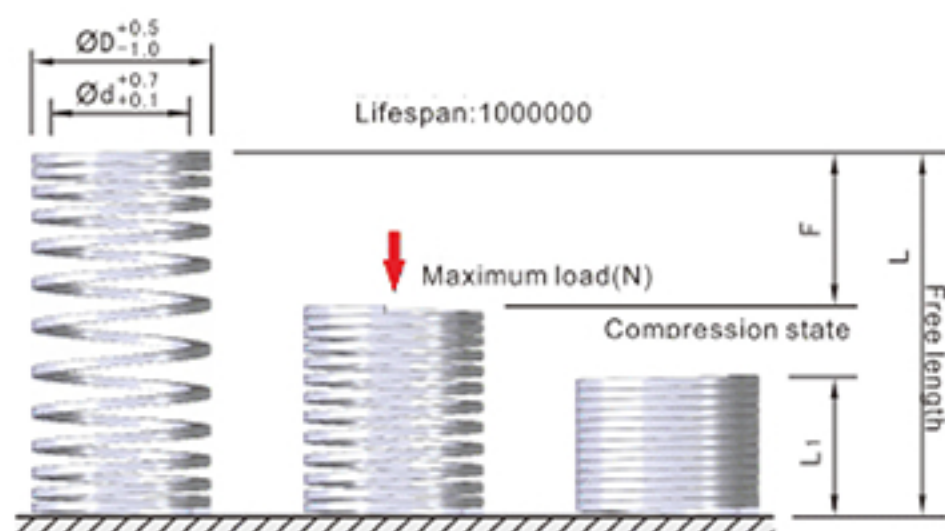
If ....  $L \leq 50$ , Tolerance  $L \pm 0.5$

If ....  $L \geq 55$ , Tolerance  $L \pm 1.5\% \times L$

Order DSWR-D-L

D	L	d	N/mm	(mm)	F=L×50%		@ ¥/P
					Fmm	N	
10.5	15	6	10.46	6	7.5	78.5	
	20		7.84	8	10		
	25		6.27	10	12.5		
	30		5.19	12	15		
	35		4.5	14	17.5		
	40		3.92	16	20		
	45		3.53	18	22.5		
	50		3.14	20	25		
	55		2.84	22	27.5		
	60		2.65	24	30		
	65		2.45	26	32.5		
	70		2.25	28	35		
	75		2.06	30	37.5		
	80		1.96	32	40		
12.5	15	7	11.77	6	7.5	88.3	
	20		8.82	8	10		
	25		7.06	10	12.5		
	30		5.88	12	15		
	35		5.04	14	17.5		
	40		4.41	16	20		
	45		3.92	18	22.5		
	50		3.53	20	25		
	55		3.2	22	27.5		
	60		2.94	24	30		
	65		2.71	26	32.5		
	70		2.52	28	35		
	75		2.35	30	37.5		
	80		2.21	32	40		
14.5	90	8.5	1.96	36	45	127.5	
	100		1.77	40	50		
	15		17	6	7.5		
	20		12.7	8	10		
	25		10.19	10	12.5		
	30		8.53	12	15		
	35		7.25	14	17.5		
	40		6.37	16	20		
	45		5.68	18	22.5		
	50		5.09	20	25		
	55		4.6	22	27.5		
	60		4.21	24	30		





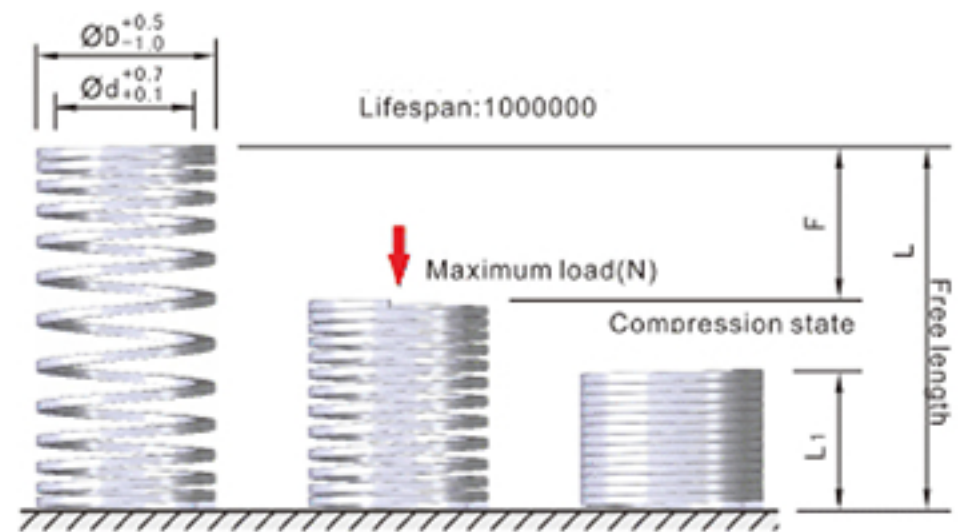
DSWR

Order DSWR-D-L

D	L	d	N/mm	(mm)	F=L×50%		@ ¥ /P
					Fmm	N	
14.5	65	8.5	3.92	26	32.5	127.5	
	70		3.62	28	35		
	75		3.43	30	37.5		
	80		3.23	32	40		
	90		2.84	36	45		
	100		2.54	40	50		
	125		2.05	50	62.5		
17	150	10.5	1.7	60	75	196.1	
	20		19.61	8	10		
	25		15.69	10	12.5		
	30		13.04	12	15		
	35		11.17	14	17.5		
	40		9.8	16	20		
	45		8.72	18	22.5		
	50		7.84	20	25		
	55		7.15	22	27.5		
	60		6.57	24	30		
	65		6.08	26	32.5		
	70		5.58	28	35		
	75		5.19	30	37.5		
	80		4.9	32	40		
	90		4.31	36	45		
21	100	13.5	3.92	40	50	294.2	
	125		3.13	50	62.5		
	150		2.64	60	75		
	175		2.24	70	87.5		
	25		23.54	10	12.5		
	30		19.61	12	15		
	35		16.76	14	17.5		
	40		14.7	16	20		
	45		13.04	18	22.5		
	50		11.76	20	25		
	55		10.68	22	27.5		
	60		9.8	24	30		
	65		9.02	26	32.5		
	70		8.43	28	35		
	75		7.84	30	37.5		
	80		7.35	32	40		
	90		6.57	36	45		
	100		5.88	40	50		
	110		5.39	44	55		
	120		4.9	48	60		
26	125	16.5	4.7	50	62.5	392.3	
	130		4.51	52	65		
	140		4.21	56	70		
	150		3.92	60	75		
	175		3.36	70	87.5		
	200		2.94	80	100		
	30		26.18	12	15		
	35		22.45	14	17.5		
	40		19.61	16	20		
	45		17.45	18	22.5		
	50		15.69	20	25		
	55		14.21	22	27.5		
	60		13.04	24	30		
	65		12.06	26	32.5		
	70		11.17	28	35		
	75		10.49	30	37.5		
	80		9.8	32	40		
	90		8.72	36	45		



DSWR

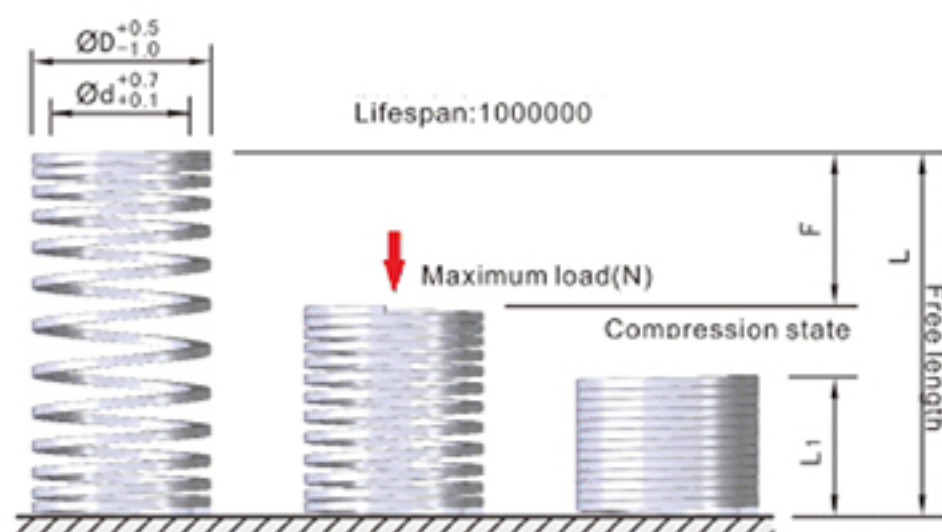


Order DSWR-D-L

D	L	d	N/mm	(mm)	F=L×50%		@ ¥ /P
					Fmm	N	
26	100	16.5	7.84	40	50	392.3	
	110		7.15	44	55		
	120		6.57	48	60		
	125		6.27	50	62.5		
	130		6.08	52	65		
	140		5.58	56	70		
	150		5.19	60	75		
	175		4.51	70	87.5		
	200		3.92	80	100		
	225		3.49	90	112.5		
31	250	21	3.14	100	125	490.3	
	35		28.02	14	17.5		
	40		24.51	16	20		
	45		21.77	18	22.5		
	50		19.61	20	25		
	55		17.83	22	27.5		
	60		16.37	24	30		
	65		15.09	26	32.5		
	70		14.02	28	35		
	75		13.08	30	37.5		
	80		12.25	32	40		
	90		10.88	36	45		
	100		9.8	40	50		
	110		8.92	44	55		
	120		8.13	48	60		
	125		7.84	50	62.5		
	130		7.55	52	65		
	140		6.96	56	70		
	150		6.57	60	75		
	160		6.17	64	80		
37	170	26	5.78	68	85	588.4	
	175		5.58	70	87.5		
	180		5.49	72	90		
	190		5.19	76	95		
	200		4.9	80	100		
	250		3.92	100	125		
	300		3.23	120	150		
	40		29.41	16	20		
	45		26.18	18	22.5		
	50		23.53	20	25		
	55		21.4	22	27.5		
	60		19.61	24	30		
	65		18.1	26	32.5		
	70		16.76	28	35		
	75		15.69	30	37.5		
	80		14.7	32	40		
	90		13.04	36	45		
	100		11.76	40	50		
	110		10.68	44	55		
	120		9.8	48	60		
	125		9.41	50	62.5		
	130		9.02	52	65		
	140		8.43	56	70		
	150		7.84	60	75		
	160		7.35	64	80		
	170		6.96	68	85		
	175		6.76	70	87.5		
	180		6.57	72	90		
	190		6.17	76	95		
	200		5.88	80	100		







Order DSWR-D-L

D	L	d	N/mm	(mm)	F=L×50%		@ ¥/P
					Fmm	N	
37	250	26	4.7	100	125	588.4	
	300		3.92	120	150		
	50		33.34	20	25		
	60		27.79	24	30		
	70		23.82	28	35		
	80		20.84	32	40		
	90		18.52	36	45		
	100		16.67	40	50		
	110		15.16	44	55		
	120		13.89	48	60		
43	130	31	12.82	52	65	833.6	
	140		11.91	56	70		
	150		11.11	60	75		
	160		10.42	64	80		
	170		9.81	68	85		
	180		9.26	72	90		
	190		8.77	76	95		
	200		8.34	80	100		
	225		7.41	90	112.5		
	250		6.67	100	125		
46	275	33	6.06	110	137.5	1078.7	
	300		5.56	120	150		
	50		43.14	20	25		
	60		35.99	24	30		
	70		30.79	28	35		
	80		26.96	32	40		
	90		23.92	36	45		
	100		21.57	40	50		
	110		19.61	44	55		
	120		17.94	48	60		
50	125	36	17.25	50	62.5	1323.9	
	130		15.57	52	65		
	140		15.39	56	70		
	150		14.41	60	75		
	175		12.35	70	87.5		
	200		10.78	80	100		
	225		9.61	90	112.5		
	250		8.62	100	125		
	275		7.84	110	137.5		
	300		7.15	120	150		
	50		52.96	20	25		
	60		44.13	24	30		
	70		37.83	28	35		
	80		33.1	32	40		
	90		29.42	36	45		
	100		26.48	40	50		
	110		24.07	44	55		
	120		22.06	48	60		
	130		20.37	52	65		
	140		18.91	56	70		
	150		17.65	60	75		
	175		15.13	70	87.5		
	200		13.24	80	100		
	225		11.77	90	112.5		
	250		10.59	100	125		
	275		9.63	110	137.5		
	300		8.83	120	150		
	350		7.57	140	175		
	400		6.62	160	200		

