

Coil Springs ◀ Heavy Load Spring (Green)

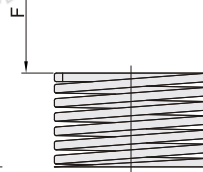
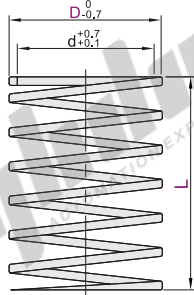


Code	Type	Material	Maximum Allowable Deflection
YSWH	Heavy Load	Oil-Cooled Tempered Spring Steel	L×24%

□ L Dimensional Tolerance

L	Tol.
50 or Less	±0.5
50 or More	±1.0%

- ① Load(±10%).
- ② Perpendicularity (2° or Less).
- ③ Load (N): Spring constant (N/mm) × Deflection(Fmm)
- ④ Heat resistant temperature is 150 °C.
- ⑤ 1kgf=9.81N.
- ⑥ The solid height values are for reference only. There may be some variation between lots.
- ⑦ The spring color and number of turns may vary depending on the production batch. But the performance of the product meets the standard and does not affect the use.



The first perspective

Part Number		Inner Dia.	Spring Constant N/mm	a	Usage Method					
					0.3 million times F=L×24%	0.5 million times F=L×21.6%	1 million times F=L×19.2%			
Code	D	L	d	Solid Height	Fmm	Load N	Fmm	Load N	Fmm	Load N
YSWH	6	15	3	38.10	11.0	3.6	3.2	2.9		
		20		28.60	14.7	4.8	4.3	3.8		
		25		22.90	18.4	6.0	5.4	4.8		
		30		19.10	22.0	7.2	6.5	5.8		
		35		16.30	25.7	8.4	7.6	6.7		
		40		14.30	29.4	9.6	8.6	7.7	110	
		45		12.70	33.0	10.8	9.7	8.6		
		50		11.40	36.7	12.0	10.8	9.6		
	8	55		10.40	40.4	13.2	11.9	10.6		
		60		9.50	44.0	14.4	13.0	11.5		
		10		86.25	7.2	2.4	2.2	1.9		
		15		57.50	10.8	3.6	3.2	2.9		
		20		43.13	14.4	4.8	4.3	3.8		
		25		34.50	18.0	6.0	5.4	4.8		
		30		28.75	21.6	7.2	6.5	5.8		
		35		24.64	25.2	8.4	7.6	6.7		
	10	40		21.56	28.8	9.6	8.6	7.7		
		45		19.17	32.4	10.8	9.7	8.6	167	
		50		17.25	36.0	12.0	10.8	9.6		
		55		15.68	39.6	13.2	11.9	10.6		
		60		14.38	43.2	14.4	13.0	11.5		
		65		13.27	47.7	15.6	14.0	12.5		
		70		12.32	51.4	16.8	15.1	13.4		
		75		11.50	55.1	18.0	16.2	14.4		
YSWH	12	80	5	10.70	58.6	19.1	17.2	15.4		
		10		123.00	7.5	2.4	2.2	1.9		
		15		81.70	11.1	3.6	3.2	2.9		
		20		61.34	14.4	4.8	4.3	3.8		
		25		49.07	18.0	6.0	5.4	4.8		
		30		40.90	21.6	7.2	6.5	5.8		
		35		35.05	25.2	8.4	7.6	6.7		
		40		30.67	28.8	9.6	8.6	7.7		
	14	45		27.26	32.4	10.8	9.7	8.6		
		50		24.54	36.0	12.0	10.8	9.6	235	
		55		22.31	39.6	13.2	11.9	10.6		
		60		20.45	43.2	14.4	13.0	11.5		
		65		18.87	46.8	15.6	14.0	12.5		
		70		17.53	50.4	16.8	15.1	13.4		
		75		16.36	54.0	18.0	16.2	14.4		
		80		15.34	57.6	19.2	17.3	15.4		
YSWH	16	90	6	13.63	64.8	21.6	19.4	17.3		
		15		117.00	11.1	3.6	3.2	2.9		
		20		86.34	14.4	4.8	4.3	3.8		
		25		69.07	18.0	6.0	5.4	4.8		
		30		57.56	21.6	7.2	6.5	5.8		
		35		49.34	25.2	8.4	7.6	6.7		
		40		43.17	28.8	9.6	8.6	7.7		
		45		38.37	32.4	10.8	9.7	8.6		
	18	50		34.54	36.0	12.0	10.8	9.6	333	
		55		31.40	39.6	13.2	11.9	10.6		
		60		28.78	43.2	14.4	13.0	11.5		
		65		26.57	46.8	15.6	14.0	12.5		
		70		24.67	50.4	16.8	15.1	13.4		
		75		23.02	54.0	18.0	16.2	14.4		
		80		21.59	57.6	19.2	17.3	15.4		
		90		19.19	64.8	21.6	19.4	17.3		
YSWH	20	20	7	120.00	14.6	4.8	4.3	3.8		
		25		96.30	18.0	6.0	5.4	4.8		
		30		80.25	21.6	7.2	6.5	5.8		
		35		68.78	25.2	8.4	7.6	6.7		
		40		60.19	28.8	9.6	8.6	7.7		
		45		53.50	32.4	10.8	9.7	8.6		
		50		48.15	36.0	12.0	10.8	9.6		
		55		43.77	39.6	13.2	11.9	10.6		
YSWH	22	25	8	96.30	18.0	6.0	5.4	4.8		
		30		80.25	21.6	7.2	6.5	5.8		
		35		68.78	25.2	8.4	7.6	6.7		
		40		60.19	28.8	9.6	8.6	7.7		
		45		53.50	32.4	10.8	9.7	8.6		
		50		48.15	36.0	12.0	10.8	9.6		
		55		43.77	39.6	13.2	11.9	10.6		
	24	30		64.00	21.6	7.2	6.5	5.8		
		35		53.50	25.2	8.4	7.6	6.7		
		40		45.00	28.8	9.6	8.6	7.7		
		45		38.00	32.4	10.8	9.7	8.6		
		50		32.00	36.0	12.0	10.8	9.6		
		55		27.00	39.6	13.2	11.9	10.6		
		60		23.00	43.2	14.4	13.0	11.5		
		65		19.00	46.8	15.6	14.0	12.5		

Part Number		Inner Dia.	Spring Constant N/mm	a	Usage Method					
					0.3 million times F=L×24%	0.5 million times F=L×21.6%	1 million times F=L×19.2%			
Code	D	L	d	Solid Height	Fmm	Load N	Fmm	Load N	Fmm	Load N
YSWH	14	60	7	40.12	43.2	14.4	13.0	11.5		
		65		37.04	46.8	15.6	14.0	12.5		
		70		34.39	50.4	16.8	15.1	13.4		
		75		32.10	54.0	18.0	16.2	14.4	461	
		80		30.09	57.6	19.2	17.3	15.4		
		90		26.75	64.8	21.6	19.4	17.3		
		100		24.07	72.0	24.0	21.6	19.2		
	16	20		157.00	14.8	4.8	4.3	3.8		
		25		125.37	18.0	6.0	5.4	4.8		
		30		104.48	21.6	7.2	6.5	5.8		
		35		89.55	25.2	8.4	7.6	6.7		
		40		78.36	28.8	9.6	8.6	7.7		
		45		69.65	32.4	10.8	9.7	8.6		
		50		62.69	36.0	12.0	10.8	9.6		
		55		56.99	39.6	13.2	755	11.9	677	608
YSWH	18	60	9	52.24	43.2	14.4	13.0	11.5		
		65		48.22	46.8	15.6	14.0	12.5		
		70		44.78	50.4	16.8	15.1	13.4		
		75		41.79	54.0	18.0	16.2	14.4		
		80		39.18	57.6	19.2	17.3	15.4		
		90		34.83	64.8	21.6	19.4	17.3		
		100		31.34	72.0	24.0	21.6	19.2		
	20	20		198.00	14.6	4.8	4.3	3.8		
		25		157.96	18.0	6.0	5.4	4.8		
		30		131.64	21.6	7.2	6.5	5.8		
		35		112.83	25.2	8.4	7.6	6.7		
		40		98.73	28.8	9.6	8.6	7.7		
		45		87.76	32.4	10.8	9.7	8.6		
		50		78.98	36.0	12.0	10.8	9.6		
		55		71.80	39.6	13.2	951	11.9	853	765
YSWH	22	60	10	65.82	43.2	14.4	13.0	11.5		
		65		60.75	46.8	15.6	14.0	12.5		
		70		56.42	50.4	16.8	15.1	13.4		
		75		52.65	54.0	18.0	16.2	14.4		
		80		49.36	57.6	19.2	17.3	15.4		
		90		43.88	64.8	21.6	19.4	17.3		
		100		39.49	72.0	24.0	21.6	19.2		
	24	20		245.00	14.6	4.8	4.3	3.8		
		25		196.11	18.0	6.0	5.4	4.8		</

Part Number			Inner Dia. d	Spring Constant N/mm	a Solid Height	Usage Method					
Code	D	L				0.3 million times F _L ×24%	0.5 million times F _L ×21.6%	1 million times F _L ×19.2%			
		20		382.10	4.5	4.8		4.32		3.84	
		25		306.85	18.0	6.0		5.4		4.8	
		30		255.71	21.6	7.2		6.5		5.8	
		35		219.18	25.2	8.4		7.6		6.7	
		40		191.78	28.8	9.6		8.6		7.7	
		45		170.47	32.4	10.8		9.7		8.6	
		50		153.43	36.0	12.0		10.8		9.6	
25	55	12.5	12.5	139.48	39.6	13.2	1834	11.9	1657	10.6	1471
	60			127.85	43.2	14.4		13.0		11.5	
	65			118.02	46.8	15.6		14.0		12.5	
	70			109.59	50.4	16.8		15.1		13.4	
	75			102.28	54.4	18.0		16.2		14.4	
	80			95.89	57.6	19.2		17.3		15.4	
	90			85.24	64.8	21.6		19.4		17.3	
	100			76.71	72.0	24.0		21.6		19.2	
	25			440.74	18.0	6.0		5.4		4.8	
	30			367.28	21.6	7.2		6.5		5.8	
	35			314.81	25.2	8.4		7.6		6.7	
	40			275.46	28.8	9.6		8.6		7.7	
	45			244.86	32.4	10.8		9.7		8.6	
	50			220.37	36.0	12.0		10.8		9.6	
	55			200.34	39.6	13.2		11.9		10.6	
30	60	15	15	183.64	43.2	14.4	2648	13.0	2380	11.5	2120
	65			169.52	46.8	15.6		14.0		12.5	
	70			157.41	50.4	16.8		15.1		13.4	
	75			146.91	54.0	18.0		16.2		14.4	
	80			137.73	57.6	19.2		17.3		15.4	
	90			122.43	64.8	21.6		19.4		17.3	
	100			110.19	72.0	24.0		21.6		19.2	
	40			375.00	28.8	9.6		8.6		7.7	
	45			333.33	32.4	10.8		9.7		8.6	
	50			300.00	36.0	12.0		10.8		9.6	
	55			272.73	39.6	13.2		11.9		10.6	
	60			250.00	43.2	14.4		13.0		11.5	
35	65	17.5	17.5	230.77	46.8	15.6	3600	14.0	3240	12.5	2870
	70			214.29	50.4	16.8		15.1		13.4	
	75			200.00	54.0	18.0		16.2		14.4	
	80			187.50	57.6	19.2		17.3		15.4	
	90			166.67	64.8	21.6		19.4		17.3	
	100			150.00	72.0	24.0		21.6		19.2	
	40			490.00	28.7	9.6		8.6		7.7	
	45			436.21	33.0	10.8		9.7		8.6	
	50			392.59	36.0	12.0		10.8		9.6	
	55			356.90	40.4	13.2		11.9		10.6	
	60			327.16	43.2	14.4		13.0		11.5	
40	65	20	20	301.99	47.7	15.6	4710	14.0	4240	12.5	3770
	70			280.42	50.4	16.8		15.1		13.4	
	75			261.73	55.1	18.0		16.2		14.4	
	80			245.37	57.6	19.2		17.3		15.4	
	90			218.11	64.8	21.6		19.4		17.3	
	100			196.30	72.0	24.0		21.6		19.2	



Part Number			d
Code	D	L	
YSWH	40	45	20

YSWH - D40 - L40



Discount price	
Per	1~19 20~
Price	100% Additional quotation



Delivery	
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