

◀ Allowable Deflection= $L \times 65\%$ (Light Green)

The diagram shows two identical green coiled springs connected in series. A weight is suspended from the bottom of the second spring. This setup is used to illustrate the concept of equivalent spring constant for springs in series.

L	Tol.
50 or Less	±0.5
50 or More	±1.5%

- ① Load($\pm 10\%$).
- ② Perpendicularity (3° or Less).
- ③ Load (N): Spring Constant (N/mm) $\times$ Deflection(Fmm)
- ④ Heat resistant temperature is 150 °C.
- ⑤ 1kgf=9.81N.
- ⑥ The compression length is the reference value, and there will be a little difference in the production.
- 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. d	Spring constant N/mm	a Solid Height	Usage Method F=L×65%	
Code	D	L				Fmm	Load N
YSWY	20.5	60	13.5	2.84	15	39.0	109.3
		65		2.55	16.25	42.3	
		70		2.35	17.5	45.5	
		75		2.26	18.75	48.8	
		80		2.06	20	52.0	
		90		1.86	22.5	58.5	
		100		1.67	25	65.0	
		110		1.57	27.5	71.5	
		120		1.37	30	78.0	
		125		1.34	31.25	81.3	
		130		1.27	32.5	84.5	
		140		1.18	35	91.0	
	24.5	30	16.5	6.96	7.5	19.5	136.6
		35		5.98	8.75	22.8	
		40		5.29	10	26.0	
		45		4.70	11.25	29.3	
		50		4.21	12.5	32.5	
		55		3.82	13.75	35.8	
		60		3.53	15	39.0	
		65		3.23	16.25	42.3	
		70		3.04	17.5	45.5	
		75		2.84	18.75	48.8	
		80		2.55	20	52.0	
		90		2.35	22.5	58.5	
	30	100	21	2.06	25	65.0	200.3
		110		1.86	27.5	71.5	
		120		1.76	30	78.0	
		35		8.79	8.8	22.8	
		40		7.74	10	26.0	
		45		6.86	11.25	29.3	
		50		6.17	12.5	32.5	
		55		5.59	13.75	35.8	
		60		5.10	15	39.0	
		65		4.70	16.25	42.3	
		70		4.41	17.5	45.5	
		75		4.12	18.75	48.8	
	37	80	26	3.82	20	52.0	294.2
		90		3.43	22.5	58.5	
		100		2.84	25	65.0	
		40		11.32	10	26.0	
		45		10.06	11.3	29.3	
		50		9.05	12.5	32.5	
		55		8.23	13.8	35.8	
		60		7.54	15	39.0	
		65		6.96	16.3	42.3	
		70		6.47	17.5	45.5	
		75		6.03	18.8	48.8	
		80		5.66	20	52.0	
42	90	31	5.03	22.5	58.5	392.3	
	100		4.53	25	65.0		
	50		12.07	12.5	32.5		
	60		10.06	15	39.0		
	70		8.62	17.5	45.5		
	80		7.54	20	52.0		
	90		6.71	22.5	58.5		
	100		6.03	25	65.0		



Please order
as shown

Part Number			d
Code	D	L	
YSWY	11	20	7
		25	
		30	



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



Delivery
4

YSWY—D11—L20