

Allowable Deflection = $L \times 60\%$ (Light Blue) ▶

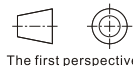
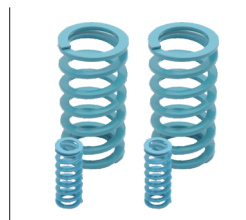
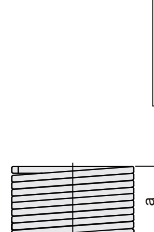
Super High Deflection Coil Spring

Code	Type	Material	Maximum Allowable Deflection
YSWU	Super High Deflection Coil Spring	Oil-Cooled Tempered Spring Steel	$L \times 60\%$

□ L Dimensional Tolerance

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

- ⚠ Load (±10%).
- ⚠ Perpendicularity (3° or Less).
- ⚠ Load (N): Spring Constant (N/mm) × Deflection (Fmm)
- ⚠ Heat resistant temperature is 150 °C.
- ⚠ 1kgf=9.81N.
- ⚠ The compression length is the reference value, and there will be a little difference in the production.
- ⚠ 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		Usage Method F=L×60%	
Code	D	L			Solid Height	Fmm	Load N	
YSWU	10.5	15	6.0	7.63	4.5	9	68.6	
		20		5.68	6	12		
		25		4.61	7.5	15		
		30		3.82	9	18		
		35		3.23	10.5	21		
		40		2.84	12	24		
		45		2.55	13.5	27		
		50		2.25	15	30		
		55		2.06	16.5	33		
		60		1.86	18	36		
	12.5	65		1.76	19.5	39	78.4	
		70		1.67	21	42		
		75		1.57	22.5	45		
		80		1.47	24	48		
		15		8.72	4.5	9		
		20		6.54	6	12		
		25		5.22	7.5	15		
		30		4.35	9	18		
		35		3.73	10.5	21		
		40		3.26	12	24		
YSWU	14.5	45	8.5	2.90	13.5	27	98.1	
		50		2.62	15	30		
		55		2.37	16.5	33		
		60		2.18	18	36		
		65		2.01	19.5	39		
		70		1.86	21	42		
		75		1.74	22.5	45		
		80		1.64	24	48		
		90		1.45	27	54		
		100		1.31	30	60		
	17	15	10.5	10.90	4.5	9	147.0	
		20		8.13	6	12		
		25		6.57	7.5	15		
		30		5.49	9	18		
		35		4.70	10.5	21		
		40		4.12	12	24		
		45		3.62	13.5	27		
		50		3.23	15	30		
		55		2.94	16.5	33		
		60		2.74	18	36		

Part Number			Inner Dia. d	Spring Constant N/mm	a		Usage Method F=L×60%	
Code	D	L			Solid Height	Fmm	Load N	
YSWU	17	30	10.5	8.13	9	18	147.0	
		35		6.96	10.5	21		
		40		6.17	12	24		
		45		5.49	13.5	27		
		50		4.90	15	30		
		55		4.41	16.5	33		
		60		4.11	18	36		
		65		3.72	19.5	39		
		70		3.53	21	42		
		75		3.23	22.5	45		
YSWU	21	80	13.5	3.04	24	48	225.6	
		90		2.74	27	54		
		100		2.45	30	60		
		25		15.04	7.5	15		
		30		12.55	9	18		
		35		10.78	10.5	21		
		40		9.41	12	24		
		45		8.33	13.5	27		
		50		7.64	15	30		
		55		6.86	16.5	33		
YSWU	26	60	16.5	6.27	18	36	294.2	
		65		5.78	19.5	39		
		70		5.39	21	42		
		75		5.00	22.5	45		
		80		4.70	24	48		
		90		4.21	27	54		
		100		3.72	30	60		
		30		16.37	9	18		
		35		14.02	10.5	21		
		40		12.25	12	24		
YSWU	31	45	21	10.88	13.5	27	372.7	
		50		9.80	15	30		
		55		8.92	16.5	33		
		60		8.13	18	36		
		65		7.55	19.5	39		
		70		6.96	21	42		
		75		6.57	22.5	45		
		80		6.17	24	48		
		90		5.49	27	54		
		100		4.90	30	60		
YSWU	31	35	21	17.75	10.5	21	372.7	
		40		15.49	12	24		
		45		13.82	13.5	27		
		50		12.45	15	30		
		55		11.29	16.5	33		
		60		10.39	18	36		
		65		9.56	19.5	39		
		70		8.82	21	42		
		75		8.28	22.5	45		
		80		7.74	24	48		
YSWU	31	90	21	6.86	27	54	372.7	
		100		6.17	30	60		



Please order as shown

Part Number			d
Code	D	L	
YSWU	10.5	15	6
		20	
		25	

YSWU — D10.5 — L15



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



Delivery	
	4