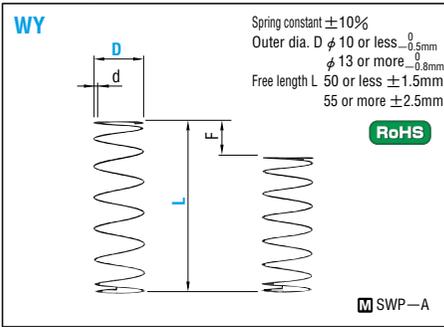


# ROUND WIRE COIL SPRINGS

—WY (75% DEFLECTION)—



## Spring constant

$\odot$  D12 and D14 are not available for WY type.

D	Type	WY	WR	WF	WL	WT	WM	WH	WB
2					0.5 (0.05)				
3						1.5 (0.15)	2.0 (0.2)		3.9 (0.4)
4		N/mm 0.1 (kgf/mm) (0.01)						2.9 (0.3)	4.9 (0.5)
5									
6			N/mm 0.3 (kgf/mm) (0.03)	N/mm 0.5 (kgf/mm) (0.05)	N/mm 1.0 (kgf/mm) (0.1)	N/mm 2.0 (kgf/mm) (0.2)	N/mm 2.9 (kgf/mm) (0.3)	N/mm 5.9 (kgf/mm) (0.6)	N/mm 9.8 (kgf/mm) (1.0)
8									
10									
12		N/mm 0.2 (kgf/mm) (0.02)							
13								N/mm 9.8 (kgf/mm) (1.0)	N/mm 19.6 (kgf/mm) (2.0)
14									
16									
18			N/mm 0.5 (kgf/mm) (0.05)	N/mm 1.0 (kgf/mm) (0.1)	N/mm 2.9 (kgf/mm) (0.3)	N/mm 3.9 (kgf/mm) (0.4)	N/mm 4.9 (kgf/mm) (0.5)	N/mm 14.7 (kgf/mm) (1.5)	29.4 (3.0)
20									
22									
27									N/mm 23.4 (kgf/mm) (2.5)
<b>Fmax.</b>		F=LX75%	F=LX60%	F=LX45%	F=LX40%	F=LX40%	F=LX35%	F=LX30%	F=LX25%



Order

Catalog No.

WY13—60



Days to Ship

**Quotation**



Price

**Quotation**

**WY** : Fmax. (Maximum allowable deflection) = LX75%

d	Solid height	F max.	Load N (kgf) max.	Catalog No. Type D—L	Base unit price	
0.16	1.0	3.75	0.38 {0.04}	WY3—5		
0.2	2.0	7.5	0.75 {0.08}	10		
0.23	3.6	11.2	1.12 {0.11}	15		
0.23	3.6	15	1.5 {0.15}	20		
0.25	5.5	18.7	1.87 {0.19}	25		
0.26	6.5	22.5	2.25 {0.23}	30		
0.2	1.1	3.75	0.38 {0.04}	WY4—5		
0.23	1.9	7.5	0.7 {0.08}	10		
0.23	1.9	11.2	1.1 {0.11}	15		
0.25	2.7	15	1.5 {0.15}	20		
0.29	5	18.7	1.8 {0.19}	25		
0.29	5	22.5	2.2 {0.23}	30		
0.32	7.7	26.2	2.6 {0.26}	35		
0.32	7.7	30	2.9 {0.3}	40		
0.25	1.7	7.5	0.7 {0.08}	WY5—10		
0.25	1.7	11.2	1.1 {0.11}	15		
0.3	3.2	15	1.5 {0.15}	20	Quotation	
0.3	3.2	18.7	1.8 {0.19}	25		
0.35	6.3	22.5	2.2 {0.23}	30		
0.35	6.3	26.2	2.6 {0.26}	35		
0.38	9.2	30	2.9 {0.3}	40		
0.38	9.2	33.7	3.3 {0.34}	45		
0.38	9.2	37.5	3.7 {0.38}	50		
0.3	2.1	7.5	0.75 {0.08}	WY6—10		
0.32	2.8	11.2	1.1 {0.11}	15		
0.32	2.8	15	1.5 {0.15}	20		
0.35	4.1	18.7	1.8 {0.19}	25		
0.38	5.6	22.5	2.2 {0.23}	30		
0.38	5.6	26.2	2.6 {0.26}	35		
0.4	7.2	30	2.9 {0.3}	40		
0.4	7.2	33.7	3.3 {0.34}	45		
0.4	7.2	37.5	3.7 {0.38}	50		
0.45	12.2	41.2	4.0 {0.41}	55		
0.45	12.2	45	4.4 {0.45}	60		
0.45	12.2	48.7	4.8 {0.49}	65		
0.45	12.2	52.5	5.1 {0.53}	70		

d	Solid height	F max.	Load N (kgf) max.	Catalog No. Type D—L	Base unit price
0.35	2.1	7.5	0.75 {0.08}	WY8—10	
0.38	3	11.2	1.1 {0.11}	15	
0.4	3.5	15	1.5 {0.15}	20	
0.4	3.5	18.7	1.8 {0.19}	25	
0.45	5.7	22.5	2.2 {0.23}	30	
0.45	5.7	26.2	2.6 {0.26}	35	
0.45	5.7	30	2.9 {0.3}	40	
0.45	5.7	33.7	3.3 {0.34}	45	
0.5	9	37.5	3.7 {0.38}	50	
0.5	9	41.2	4.0 {0.41}	55	
0.5	9	45	4.4 {0.45}	60	
0.5	9	48.7	4.8 {0.49}	65	Quotation
0.5	9	52.5	5.1 {0.53}	70	
0.5	3	11.2	2.26 {0.23}	WY10—15	
0.55	4.6	15	2.9 {0.3}	20	
0.55	4.6	18.7	3.7 {0.37}	25	
0.6	6.6	22.5	4.4 {0.45}	30	
0.6	6.6	26.2	5.1 {0.52}	35	
0.65	9.1	30	5.9 {0.6}	40	
0.65	9.1	33.7	6.6 {0.67}	45	
0.65	9.1	37.5	7.4 {0.75}	50	
0.7	12.6	41.2	8.1 {0.82}	55	
0.7	12.6	45	8.8 {0.9}	60	
0.7	12.6	48.7	9.6 {0.97}	65	
0.7	12.6	52.5	10.3 {1.05}	70	

d	Solid height	F max.	Load N (kgf) max.	Catalog No. Type D—L	Base unit price
0.6	3.9	15	2.9 {0.3}	WY13—20	
0.65	5.1	18.7	3.7 {0.37}	25	
0.65	5.1	22.5	4.4 {0.45}	30	
0.7	6.7	26.2	5.1 {0.52}	35	
0.75	8.7	30	5.9 {0.6}	40	
0.75	8.7	33.7	6.6 {0.67}	45	
0.8	11.6	37.5	7.4 {0.75}	50	
0.8	11.6	41.2	8.1 {0.82}	55	
0.8	11.6	45	8.8 {0.9}	60	
0.85	15.3	48.7	9.6 {0.97}	65	
0.85	15.3	52.5	10.3 {1.05}	70	
0.65	3.6	15	2.9 {0.3}	WY16—20	Quotation
0.7	4.6	18.7	3.7 {0.37}	25	
0.75	5.7	22.5	4.4 {0.45}	30	
0.8	7	26.2	5.1 {0.52}	35	
0.85	9	30	5.9 {0.6}	40	
0.85	9	33.7	6.6 {0.67}	45	
0.9	11.3	37.5	7.4 {0.75}	50	
0.9	11.3	41.2	8.1 {0.82}	55	
0.9	11.3	45	8.8 {0.9}	60	
0.9	11.3	48.7	9.6 {0.97}	65	
0.9	11.3	52.5	10.3 {1.05}	70	

● Load calculation method: Load = Spring constant × Deflection  
 (SI unit) N = N/mm × Fmm  
 kgf = kgf/mm × Fmm  
 (kgf = N × 0.101972)

- $\odot$  Neither end is ground for all WY type springs.
- $\odot$  The solid height values are for reference only. There may be some variation between lots.
- $\odot$  Operation count: 1 million
- $\odot$  Instructions and precautions for the use of coil springs **P.1397**

COIL SPRINGS