

ROUND WIRE COIL SPRINGS

—WM (35% DEFLECTION), WH (30% DEFLECTION)—



Printed in Red

Printed in Blue

The quantity discount rate is also applicable to alteration cost.
All price & lead time are to be quoted.

Order Catalog No. WM 13-60

Delivery • Printed in Red • Printed in Blue
SGP Stock 3 Days
For area out of Singapore please refer to P.i.

■ WM : Fmax.(Allowable deflection)=L×35%

d	Solid height	F max.	N(kgf) max.	Catalog No.	U/Price
Type D-L	Qty: 1~9				
0.35	2.5	3.4	0.4	WM 3-5*	
0.38	3.3	3.5	0.7	10*	
0.45	7	5.3	10.3 [1.1]	15*	
0.5	11.5	7	13.7 [1.4]	20*	
0.5	11.5	7.5	14.7 [1.5]	(25)	
0.55	20.4	9	17.7 [1.8]	(30)	
0.4	2.3	1.7	3.9 [0.4]	WM 4-5*	
0.45	3.4	3.5	6.9 [0.7]	10*	
0.5	5.1	5.2	10.8 [1.1]	15*	
0.55	7.7	7	13.7 [1.4]	20	
0.6	11.7	8.7	17.7 [1.8]	25	
0.6	11.7	10.5	20.6 [2.1]	30	
0.65	17.6	12.2	24.0 [2.5]	35	
0.65	17.6	12	23.5 [2.4]	(40)	
0.5	2.8	1.7	4.9 [0.5]	WM 5-5*	
0.6	4.2	3.5	9.8 [1.0]	10	
0.65	6.5	5.2	14.7 [1.5]	15	
0.65	6.5	7	20.6 [2.1]	20	
0.7	9.1	8.7	25.5 [2.6]	25	
0.75	12.7	10.5	30.4 [3.1]	30	
0.8	17.4	12.2	35.3 [3.6]	35	
0.85	23.8	14	41.2 [4.2]	40	
0.85	23.8	15.8	46.1 [4.7]	45	
0.9	23.8	15	43.5 [4.5]	(50)	
0.9	30	16.5	49.0 [5.0]	(55)	
0.9	30	18	53.0 [5.4]	(60)	
0.9	30	17.6	52.0 [5.3]	(65)	
0.9	30	19.6	58.8 [6.0]	(70)	
0.55	2.8	1.7	4.9 [0.5]	WM 6-5*	
0.65	4.7	3.5	9.8 [1.0]	10	
0.75	8	5.2	14.7 [1.5]	15	
0.75	8	7	20.6 [2.1]	20	
0.85	13.6	8.7	25.5 [2.6]	25	
0.85	13.6	10.5	30.4 [3.1]	30	
0.9	18	12.2	35.3 [3.6]	35	
0.9	18	14	41.2 [4.2]	40	
0.9	18	15.8	46.1 [4.7]	45	
0.9	18	17.5	51.0 [5.2]	50	
1.0	31	19.2	55.9 [5.7]	55	
1.0	31	18	53.0 [5.4]	(60)	
1.0	31	18.8	54.9 [5.6]	(65)	
1.1	47.3	20	58.8 [6.0]	(70)	
1.1	48.4	22.4	65.9 [6.7]	(80)	
0.75	4.2	3.5	9.8 [1.0]	WM 8-10	
0.9	8.5	5.2	14.7 [1.5]	15	
0.9	8.5	7	20.6 [2.1]	20	
0.9	8.5	8.7	25.5 [2.6]	25	
0.9	8.5	10.5	30.4 [3.1]	30	
1.0	13	12.2	35.3 [3.6]	35	
1.0	13	14	41.2 [4.2]	40	
1.1	19.8	15.8	46.1 [4.7]	45	
1.1	19.8	17.5	51.0 [5.2]	50	
1.2	31.2	19.2	55.9 [5.7]	55	
1.2	31.2	21	61.8 [6.3]	60	
1.2	31.2	22.7	64.7 [6.6]	65	
1.2	31.2	24.5	71.6 [7.3]	70	
1.3	44.2	28	82.4 [8.4]	80	

● Load calculation method : $N(\text{load}) = N(\text{mm}) \times (\text{spring constant}) \times F(\text{deflection})$
(International units) $N = N(\text{mm}) \times F(\text{mm})$
 $\text{kgf} = \text{kgf/mm} \times F(\text{mm})$
 $(\text{kgf}) = N \times 0.101972$

● The solid height values are reference only.
There may be some variations depending on lots.

● Operation frequency : 1 million times.

● Product Outline

● Directions and precautions for coil springs

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Quantity discount rate
Quantity Rate
1~9 — 5% 10~19 10% 100~500 15%

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