

Round Coil Springs

WT, WM: O.D. Referenced



Ordering Example

Part Number
WT13-60

WT: Fmax. (Allowable Deflection) =Lx40% (Lx35%)

d	Solid Length	F max.	Load N(kgf) max.	Part Number	Unit Price
				Type D-L	10 - 19 pcs.
0.3	1.73	2	2.9{0.3}	WT3- 5*	
0.4	5	4	5.9{0.6}	10*	
0.45	8.78	6	8.8{0.9}	15*	
0.45	8.78	8	11.8{1.2}	20*	
0.5	14.5	10	14.7{1.5}	25*	
0.4	2.7	2	2.9{0.3}	WT4- 5*	
0.4	2.7	4	5.9{0.6}	10*	
0.5	6.5	6	8.8{0.9}	15*	
0.55	9.63	8	11.8{1.2}	20	
0.55	9.63	10	14.7{1.5}	25	
0.6	15	12	17.7{1.8}	30	
0.6	15	14	20.6{2.1}	35	
0.65	22.1	16	23.5{2.4}	40	
0.45	2.36	2	3.9{0.4}	WT5- 5*	
0.5	3.25	4	7.8{0.8}	10*	
0.6	6.3	6	11.8{1.2}	15	
0.6	6.3	8	15.7{1.6}	20	
0.7	12.6	10	19.6{2.0}	25	
0.7	12.6	12	23.5{2.4}	30	
0.75	17.3	14	27.5{2.8}	35	
0.75	17.3	14	27.5{2.8}	(40)	
0.8	24	15.8	30.9{3.2}	(45)	
0.8	24	17.5	34.3{3.5}	(50)	
0.85	32.3	19.3	37.8{3.9}	(55)	
0.85	32.3	21	41.2{4.2}	(60)	
0.85	34	22.7	44.5{4.5}	(65)	
0.9	44.6	24.5	48.1{4.9}	(70)	
0.5	2.38	2	3.9{0.4}	WT6- 5*	
0.6	4.35	4	7.8{0.8}	10	
0.6	4.35	6	11.8{1.2}	15	
0.7	7.7	8	15.7{1.6}	20	
0.7	7.7	10	19.6{2.0}	25	
0.8	14	12	23.5{2.4}	30	
0.8	14	14	27.5{2.8}	35	
0.85	18.7	16	31.4{3.2}	40	
0.85	18.7	18	35.3{3.6}	45	
0.9	24.8	20	39.2{4.0}	50	
0.9	24.8	19	37.8{3.9}	(55)	
0.9	24.8	21	41.2{4.2}	(60)	
0.9	26.1	22.7	44.5{4.5}	(65)	
1	43	24.5	48.1{4.9}	(70)	
1	43	28	54.9{5.6}	(80)	

d	Solid Length	F max.	Load N(kgf) max.	Part Number	Unit Price
				Type D-L	10 - 19 pcs.
0.7	4.38	4	7.8{0.8}	WT8- 10	
0.8	6.8	6	11.8{1.2}	15	
0.8	6.8	8	15.7{1.6}	20	
0.8	6.8	10	19.6{2.0}	25	
0.9	10.8	12	23.5{2.4}	30	
0.9	10.8	14	27.5{2.8}	35	
1	17.5	16	31.4{3.2}	40	
1	17.5	18	35.3{3.6}	45	
1	17.5	20	39.2{4.0}	50	
1.1	27.5	22	43.1{4.4}	55	
1.1	27.5	24	47.1{4.8}	60	
1.1	27.5	26	51.0{5.2}	65	
1.1	27.5	28	54.9{5.6}	70	
1.2	42	32	62.8{6.4}	80	
0.85	5.53	4	7.8{0.8}	WT10-10	
0.9	6.75	6	11.8{1.2}	15	
0.9	6.75	8	15.7{1.6}	20	
1	10	10	19.6{2.0}	25	
1	10	12	23.5{2.4}	30	
1	10	14	27.5{2.8}	35	
1	10	16	31.4{3.2}	40	
1.1	14.3	18	35.3{3.6}	45	
1.1	14.3	20	39.2{4.0}	50	
1.2	21.6	22	43.1{4.4}	55	
1.2	21.6	24	47.1{4.8}	60	
1.2	21.6	26	51.0{5.2}	65	
1.3	32.5	28	54.9{5.6}	70	
1.3	32.5	32	62.8{6.4}	80	
1	6	6	11.8{1.2}	WT13-15	
1.1	8.25	8	15.7{1.6}	20	
1.1	8.25	10	19.6{2.0}	25	
1.2	11.1	12	23.5{2.4}	30	
1.2	11.1	14	27.5{2.8}	35	
1.2	11.1	16	31.4{3.2}	40	
1.2	11.1	18	35.3{3.6}	45	
1.3	15.6	20	39.2{4.0}	50	
1.3	15.6	22	43.1{4.4}	55	
1.3	15.6	24	47.1{4.8}	60	
1.4	21	26	51.0{5.2}	65	
1.4	21	28	54.9{5.6}	70	
1.4	21	32	62.8{6.4}	80	
1.2	7.5	6	11.8{1.2}	WT16-15	
1.3	9.43	8	15.7{1.6}	20	
1.4	12.6	10	19.6{2.0}	25	
1.4	12.6	12	23.5{2.4}	30	
1.4	12.6	14	27.5{2.8}	35	
1.4	12.6	16	31.4{3.2}	40	
1.6	22.4	18	35.3{3.6}	45	
1.6	22.4	20	39.2{4.0}	50	
1.6	22.4	22	43.1{4.4}	55	
1.7	28.9	24	47.1{4.8}	60	
1.7	28.9	26	51.0{5.2}	65	
1.7	28.9	28	54.9{5.6}	70	
1.7	28.9	32	62.8{6.4}	80	

d	Solid Length	F max.	Load N(kgf) max.	Part Number	Unit Price
				Type D-L	10 - 19 pcs.
1.6	10.8	8	31.4{3.2}	WT18-20	
1.7	13.6	10	39.2{4.0}	25	
1.7	13.6	12	47.1{4.8}	30	
1.7	13.6	14	54.9{5.6}	35	
1.8	16.7	16	62.8{6.4}	40	
1.9	20.5	18	70.6{7.2}	45	
1.9	20.5	20	78.5{8.0}	50	
2	26	22	86.3{8.8}	55	
2	26	24	94.1{9.6}	60	
2	26	26	102.0{10.4}	65	
2	26	28	109.8{11.2}	70	
2.1	31.5	32	125.5{12.8}	80	
1.8	11.3	8	31.4{3.2}	WT22-20	
1.8	11.3	10	39.2{4.0}	25	
1.9	13.3	12	47.1{4.8}	30	
1.9	13.3	14	54.9{5.6}	35	
2	16	16	62.8{6.4}	40	
2.1	19.5	18	70.6{7.2}	45	
2.1	19.5	20	78.5{8.0}	50	
2.3	28.2	22	86.3{8.8}	55	
2.3	28.2	24	94.1{9.6}	60	
2.3	28.2	26	102.0{10.4}	65	
2.3	28.2	28	109.8{11.2}	70	
2.4	33.6	32	125.5{12.8}	80	
2.1	13.2	12	47.1{4.8}	WT27-30	
2.3	17.9	14	54.9{5.6}	35	
2.3	17.9	16	62.8{6.4}	40	
2.4	20.4	18	70.6{7.2}	45	
2.6	28.6	20	78.5{8.0}	50	
2.6	28.6	22	86.3{8.8}	55	
2.6	28.6	24	94.1{9.6}	60	
2.6	28.6	26	102.0{10.4}	65	
2.8	39.2	28	109.8{11.2}	70	
2.8	39.2	32	125.5{12.8}	80	

• Load calculation method = Spring constant x Deflection
(Int'l Unit) N=N/mmxFmm
kgf=kgf/mmxFmm
(kgf=Nx0.101972)

- ⊕ Allowable Deflection of (L) Size
 - WT5-40Fmax.=Lx35%
 - WT5-45Fmax.=Lx35%
 - WT5-50Fmax.=Lx35%
 - WT5-55Fmax.=Lx35%
 - WT5-60Fmax.=Lx35%
 - WT5-65Fmax.=Lx35%
 - WT5-70Fmax.=Lx35%
 - WT6-55Fmax.=Lx35%
 - WT6-60Fmax.=Lx35%
 - WT6-65Fmax.=Lx35%
 - WT6-70Fmax.=Lx35%
 - WT6-80Fmax.=Lx35%

- ⊕ The values of solid length are for reference only.
There may be some variations depending on the lot.
- ⊕ Usage Count: 1 Million Times
- ⊕ Product Outline **P327**
- ⊕ How to use coil springs, and precautions **P328**

⊕ Both ends of * marked WT Type springs are not ground.