

# Round Coil Springs

WF, WL: O.D. Referenced



Ordering Example

Part Number  
WF13-60

**WF: Fmax. (Allowable Deflection) = Lx45%**

WF-5*					WF-10*					WF-15*					WF-20*					WF-25*					WF-30*					WF-35*					WF-40*					WF-45*					WF-50*					WF-55*					WF-60*					WF-65*					WF-70*					WF-75*					WF-80*					WF-85*					WF-90*																																								
d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price	d	Solid Length	F	Load N(kgf) max.	Part Number	Unit Price																																																												
0.26	2	2.25	1.1(0.11)	WF3-5*		0.65	5	4.5	2.2(0.22)	WF10-10		0.9	6.3	6.7	3.2(0.33)	WF16-15		1.2	9	9	8.8(0.9)	WF18-20		1.5	12.5	12.5	10.8(1.1)	WF20-20		1.8	16.2	16.2	14.3(1.5)	WF22-20		2.0	20	20	17.7(1.8)	WF25-25		2.5	25	25	22.1(2.25)	WF30-30		3.0	30	30	28.7(2.93)	WF35-35		3.5	35	35	35.3(3.6)	WF40-40		4.0	40	40	42.4(4.4)	WF45-45		4.5	45	45	50.0(5.0)	WF50-50		5.0	50	50	58.3(5.8)	WF55-55		5.5	55	55	67.5(6.7)	WF60-60		6.0	60	60	77.7(7.7)	WF65-65		6.5	65	65	88.9(8.9)	WF70-70		7.0	70	70	100.0(10.0)	WF75-75		7.5	75	75	112.5(11.2)	WF80-80		8.0	80	80	126.0(12.6)	WF85-85		8.5	85	85	140.7(14.0)	WF90-90		9.0	90	90	156.6(15.6)		

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

- Both ends of \* marked WF Type springs are not ground.
- 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**