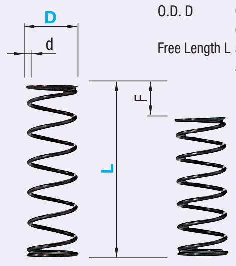
Round Coil Springs

WF, WL: O.D. Referenced

Ordering Example

Part Number
WF13-60

WF
WL



Spring Constant ±10%
O.D. D Ø10 or Less $^{0}_{-0.5}$mm
Ø12 or More $^{0}_{-0.8}$mm
Free Length L 50 or Less ±1.5mm
55 or More ±2.5mm

RoHS

Material SWP-A

Spring Constant

D12 and 14 for WY Type and D12,14 and 20 for WT Type are not available.

<table>
<tr><th>D \ Type</th><th>WY</th><th>WR</th><th>WF</th><th>WL</th><th>WT</th><th>WM</th><th>WH</th><th>WB</th></tr>
<tr><td>2</td><td></td><td></td><td></td><td>0.5{0.05}</td><td></td><td></td><td></td><td></td></tr>
<tr><td>3</td><td rowspan="5">N/mm 0.1 {kgf/mm} {0.01}</td><td rowspan="10">N/mm 0.3 {kgf/mm} {0.03}</td><td rowspan="10">N/mm 0.5 {kgf/mm} {0.05}</td><td rowspan="10">N/mm 1.0 {kgf/mm} {0.1}</td><td rowspan="2">1.5 {0.15}</td><td rowspan="2">2.0 {0.2}</td><td></td><td>3.9{0.4}</td></tr>
<tr><td>4</td><td>2.9{0.3}</td><td>4.9{0.5}</td></tr>
<tr><td>5</td><td rowspan="8">N/mm 2.0 {kgf/mm} {0.2}</td><td rowspan="8">N/mm 2.9 {kgf/mm} {0.3}</td><td rowspan="5">N/mm 5.9 {kgf/mm} {0.6}</td><td rowspan="5">N/mm 9.8 {kgf/mm} {1.0}</td></tr>
<tr><td>6</td></tr>
<tr><td>8</td></tr>
<tr><td>10</td><td rowspan="5">N/mm 0.2 {kgf/mm} {0.02}</td></tr>
<tr><td>12</td></tr>
<tr><td>13</td><td rowspan="3">N/mm 9.8 {kgf/mm} {1.0}</td><td rowspan="3">N/mm 19.6 {kgf/mm} {2.0}</td></tr>
<tr><td>14</td></tr>
<tr><td>16</td></tr>
<tr><td>18</td><td></td><td rowspan="4">N/mm 0.5 {kgf/mm} {0.05}</td><td rowspan="4">N/mm 1.0 {kgf/mm} {0.1}</td><td rowspan="4">N/mm 2.9 {kgf/mm} {0.3}</td><td rowspan="4">N/mm 3.9 {kgf/mm} {0.4}</td><td rowspan="4">N/mm 4.9 {kgf/mm} {0.5}</td><td rowspan="4">N/mm 14.7 {kgf/mm} {1.5}</td><td>29.4{3.0}</td></tr>
<tr><td>20</td><td></td><td></td></tr>
<tr><td>22</td><td></td><td rowspan="2">N/mm 29.4 {kgf/mm} {3.0}</td></tr>
<tr><td>27</td><td></td></tr>
<tr><td>Fmax.</td><td>F=Lx75%</td><td>F=Lx60%</td><td>F=Lx45%</td><td>F=Lx40%</td><td>F=Lx40%</td><td>F=Lx35%</td><td>F=Lx30%</td><td>F=Lx25%</td></tr>
</table>

WF: Fmax. (Allowable Deflection) =Lx45%

d	Solid Length	F max.	Load N{kgf} max.	Part Number Type D-L	Unit Price 10 ~ 19 pcs.
0.26	2	2.25	1.1{0.11}	WF3- 5*	
0.32	5	4.5	2.2{0.22}	10*	
0.32	5	6.7	3.2{0.33}	15*	
0.35	7	9	4.4{0.45}	20*	
0.35	7	11.2	5.5{0.56}	25*	
0.4	13.2	13.5	6.6{0.67}	30	
0.4	13.2	15.7	7.6{0.78}	35	
0.4	13.2	18	8.8{0.9}	40	
0.32	2.3	2.25	1.1{0.11}	WF4- 5*	
0.35	3.1	4.5	2.2{0.22}	10*	
0.4	5.6	6.7	3.2{0.33}	15*	
0.4	5.6	9	4.4{0.45}	20*	
0.45	9.9	11.2	5.5{0.56}	25*	
0.45	9.9	13.5	6.6{0.67}	30*	
0.5	16.5	15.7	7.6{0.78}	35	
0.5	16.5	18	8.8{0.9}	40	
0.5	16.5	20	9.8{1.0}	45	
0.5	16.5	22.5	10.8{1.1}	50	
0.5	16.5	24.7	12.1{1.23}	55	
0.5	16.5	27	12.7{1.3}	60	
0.55	26.4	29.2	14.3{1.46}	65*	
0.55	26.4	31.5	15.4{1.58}	70*	
0.35	2	2.25	1.1{0.11}	WF5- 5*	
0.38	2.8	4.5	2.2{0.22}	10*	
0.4	3.4	6.7	3.2{0.33}	15*	
0.45	5.4	9	4.4{0.45}	20*	
0.5	8.5	11.2	5.5{0.56}	25*	
0.55	13.2	13.5	6.6{0.67}	30	
0.55	13.2	15.7	7.6{0.78}	35	
0.55	20.4	18	8.8{0.9}	40	
0.6	20.4	20	9.8{1.0}	45	
0.6	20.4	22.5	10.8{1.1}	50	
0.6	20.4	24.7	12.1{1.23}	55	
0.6	20.4	27	12.7{1.3}	60	
0.6	20.4	29.2	14.3{1.5}	65	
0.6	20.4	31.5	15.4{1.6}	70	
0.4	2.3	2.25	1.1{0.11}	WF6- 5*	
0.5	5	4.5	2.2{0.22}	10	
0.55	8	6.7	3.2{0.33}	15	
0.55	8	9	4.4{0.45}	20	
0.6	12	11.2	5.5{0.56}	25	
0.65	16	13.5	6.6{0.67}	30	
0.65	17	15.7	7.6{0.78}	35	
0.65	17	18	8.8{0.9}	40	
0.65	17	20	9.8{1.0}	45	
0.7	25.2	22.5	10.8{1.1}	50	
0.7	25.2	24.7	12.1{1.23}	55	
0.7	25.2	27	12.7{1.3}	60	
0.7	25.2	29.2	14.3{1.46}	65	
0.7	25.2	31.5	14.7{1.5}	70	
0.7	25.2	36	17.7{1.8}	80	
0.6	5	4.5	2.2{0.22}	WF8-10	
0.65	7.5	6.7	3.2{0.33}	15	
0.7	10.8	9	4.4{0.45}	20	
0.7	10.8	11.2	5.5{0.56}	25	
0.75	14.5	13.5	6.6{0.67}	30	
0.75	14.5	15.7	7.6{0.78}	35	
0.8	20	18	8.8{0.9}	40	
0.8	20	20	9.8{1.0}	45	
0.8	20	22.5	10.8{1.1}	50	
0.8	20	24.7	12.1{1.23}	55	
0.85	27.6	27	12.7{1.3}	60	
0.85	27.6	29.2	14.3{1.46}	65	
0.85	27.6	31.5	14.7{1.5}	70	
0.85	28.1	36	17.7{1.8}	80	
0.65	5	4.5	2.2{0.22}	WF10-10	
0.65	5	6.7	3.2{0.33}	15	
0.8	10.4	9	4.4{0.45}	20	
0.8	10.4	11.2	5.5{0.56}	25	
0.85	14	13.5	6.6{0.67}	30	
0.85	14	15.7	7.6{0.78}	35	
0.9	17.5	18	8.8{0.9}	40	
0.9	17.5	20	9.8{1.0}	45	
0.9	17.5	22.5	10.8{1.1}	50	
0.9	17.5	24.7	12.1{1.23}	55	
1.0	31	27	12.7{1.3}	60	
1.0	31	29.2	14.3{1.46}	65	
1.0	31	31.5	14.7{1.5}	70	
1.0	31	36	17.7{1.8}	80	
0.7	4.6	4.5	2.3{0.23}	WF12-10	
0.7	4.6	6.7	3.2{0.33}	15	
0.8	7.2	9	4.4{0.45}	20	
0.8	7.2	11.2	5.5{0.56}	25	
0.9	11.3	13.5	6.6{0.67}	30	
0.9	11.3	15.7	7.6{0.78}	35	
0.9	11.3	18	8.8{0.9}	40	
0.9	11.3	20	9.8{1.0}	45	
1.0	18	22.5	10.8{1.1}	50	
1.0	18	24.7	12.1{1.23}	55	
1.0	18	27	12.7{1.3}	60	
1.0	18	29.2	14.3{1.46}	65	
1.1	28.1	31.5	14.7{1.5}	70	
1.1	27.5	36	17.7{1.8}	80	
0.75	4.9	4.5	2.3{0.23}	WF13-10	
0.8	6	6.7	3.2{0.33}	15	
0.8	6	9	4.4{0.45}	20	
0.85	7.2	11.2	5.5{0.56}	25	
1.0	15	13.5	6.6{0.67}	30	
1.0	15	15.7	7.6{0.78}	35	
1.0	15	18	8.8{0.9}	40	
1.0	15	20	9.8{1.0}	45	
1.0	15	22.5	10.8{1.1}	50	
1.1	22	24.7	12.1{1.23}	55	
1.1	22	27	12.7{1.3}	60	
1.1	22	29.2	14.3{1.46}	65	
1.1	22	31.5	14.7{1.5}	70	
1.1	22	36	17.7{1.8}	80	
1.2	33.6	40.5	19.9{2.0}	90	
0.8	5.2	6.7	3.2{0.33}	WF14-15	
0.9	7.9	9	4.4{0.45}	20	
0.9	7.9	11.2	5.5{0.56}	25	
1.0	12	13.5	6.6{0.67}	30	
1.0	12	15.7	7.6{0.78}	35	
1.0	12	18	8.8{0.9}	40	
1.0	12	20	9.8{1.0}	45	
1.1	18.2	22.5	10.8{1.1}	50	
1.1	18.2	24.7	12.1{1.23}	55	
1.1	18.2	27	12.7{1.3}	60	
1.2	27.6	29.2	14.3{1.46}	65	
1.2	27.6	31.5	14.7{1.5}	70	
1.2	27.6	36	17.7{1.8}	80	
1.3	39.7	40.5	19.9{2.0}	90	
0.9	6.3	6.7	3.2{0.33}	WF16-15	
1.0	8.7	9	4.4{0.45}	20	
1.0	8.7	11.2	5.5{0.56}	25	
1.1	12.8	13.5	6.6{0.67}	30	
1.1	12.8	15.7	7.6{0.78}	35	
1.2	18.6	18	8.8{0.9}	40	
1.2	18.6	20	9.8{1.0}	45	
1.2	18.6	22.5	10.8{1.1}	50	
1.2	18.6	24.7	12.1{1.23}	55	
1.3	26.8	27	12.7{1.3}	60	
1.3	26.8	29.2	14.3{1.46}	65	
1.3	26.8	31.5	14.7{1.5}	70	
1.4	36	36	17.7{1.8}	80	
1.4	36.4	40.5	19.9{2.0}	90	
1.2	9	9	8.8{0.9}	WF18-20	
1.3	12.4	11.2	10.8{1.1}	25	
1.3	12.4	13.5	12.7{1.3}	30	
1.4	16.1	15.7	14.7{1.5}	35	
1.5	21	18	17.7{1.8}	40	
1.5	21	20	19.9{2.03}	45	
1.5	21	22.5	22.1{2.25}	50	
1.6	28.8	24.7	24.3{2.48}	55	
1.6	28.8	27	26.5{2.7}	60	
1.6	28.8	29.2	28.7{2.93}	65	
1.7	37.4	31.5	30.9{3.15}	70	
1.7	37.4	36	35.3{3.6}	80	
1.2	7.2	9	8.8{0.9}	WF20-20	
1.3	9.8	11.2	10.8{1.1}	25	
1.4	12.6	13.5	12.7{1.3}	30	
1.4	12.6	15.7	14.7{1.5}	35	
1.5	16.5	18	17.7{1.8}	40	
1.5	16.5	20	19.9{2.03}	45	
1.6	21.6	22.5	22.1{2.25}	50	
1.6	21.6	24.7	24.3{2.48}	55	
1.6	21.6	27	26.5{2.7}	60	
1.7	28.1	29.2	28.7{2.93}	65	
1.7	28.1	31.5	30.9{3.15}	70	
1.7	28.1	36	35.3{3.6}	80	
1.3	7.8	9	8.8{0.9}	WF22-20	
1.4	10.5	11.2	11.0{1.12}	25	
1.4	10.5	13.5	13.2{1.35}	30	
1.5	13.5	15.7	15.4{1.57}	35	
1.5	13.5	18	17.7{1.8}	40	
1.7	22.1	20.2	19.8{2.02}	45	
1.7	22.1	22.5	22.1{2.25}	50	
1.7	22.1	24.7	24.2{2.47}	55	
1.8	28.8	27	26.5{2.7}	60	
1.8	28.8	29.2	28.6{2.92}	65	
1.8	28.8	31.5	30.9{3.15}	70	
1.8	28.8	36	35.3{3.6}	80	
1.7	14.1	13.5	13.2{1.35}	WF27-30	
1.7	14.1	15.7	15.4{1.57}	35	
1.7	14.1	18	17.7{1.8}	40	
1.9	21.4	20.2	19.8{2.02}	45	
1.9	21.4	22.5	22.1{2.25}	50	
2.0	26	24.7	24.2{2.47}	55	
2.0	26	27	26.5{2.7}	60	
2.0	26	29.2	28.6{2.92}	65	
2.0	26	31.5	30.9{3.15}	70	
2.0	26	36	35.3{3.6}	80	

- Load calculation method = Spring constant x Deflection
  (Int'l Unit) N=N/mmxFmm
  kgf=kgf/mmxFmm
  (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 P.327
How to use coil springs, and precautions P.328

WL: Fmax. (Allowable Deflection) =Lx40%

d	Solid Length	F max.	Load N{kgf} max.	Part Number Type D-L	Unit Price 10 ~ 19 pcs.
0.2	1.7	2	0.98{0.1}	WL2- 5*	
0.26	5.2	4	2.0{0.2}	10*	
0.26	5.2	6	2.9{0.3}	15*	
0.29	9	8	3.9{0.4}	20*	
0.29	9	10	4.9{0.5}	25*	
0.3	10.8	12	5.9{0.6}	30*	
0.3	2.1	2	2.0{0.2}	WL3- 5*	
0.35	3.9	4	3.9{0.4}	10*	
0.4	6.5	6	5.9{0.6}	15*	
0.4	6.5	8	7.8{0.8}	20*	
0.45	13	10	9.8{1.0}	25*	
0.45	13	12	11.8{1.2}	30*	
0.45	13	14	13.7{1.4}	35*	
0.5	21	16	15.7{1.6}	40*	
0.35	2.1	2	2.0{0.2}	WL4- 5*	
0.45	5	4	3.9{0.4}	10*	
0.45	5	6	5.9{0.6}	15*	
0.5	9	8	7.8{0.8}	20	
0.5	9	10	9.8{1.0}	25	
0.55	13.9	12	11.8{1.2}	30	
0.55	13.9	14	13.7{1.4}	35	
0.6	21.6	16	15.7{1.6}	40	
0.6	21.6	18	17.7{1.8}	45	
0.6	21.6	20	19.6{2.0}	50	
0.6	21.6	22	21.6{2.2}	55	
0.65	33	24	23.5{2.4}	60	
0.4	2.3	2	2.0{0.2}	WL5- 5*	
0.45	3.4	4	3.9{0.4}	10*	
0.5	5	6	5.9{0.6}	15*	
0.55	7.7	8	7.8{0.8}	20	
0.6	10.8	10	9.8{1.0}	25	
0.6	10.8	12	11.8{1.2}	30	
0.65	15.6	14	13.7{1.4}	35	
0.65	15.6	16	15.7{1.6}	40	
0.7	20	18	17.7{1.8}	45	
0.7	20	20	19.6{2.0}	50	
0.7	23.1	22	21.6{2.2}	55	
0.75	33	24	23.5{2.4}	60	
0.75	32.3	26	25.5{2.6}	65	
0.75	32.3	28	27.5{2.8}	70	
0.45	2.5	2	2.0{0.2}	WL6- 5*	
0.55	4.7	4	3.9{0.4}	10	
0.55	4.7	6	5.9{0.6}	15	
0.65	9	8	7.8{0.8}	20	
0.65	9	10	9.8{1.0}	25	
0.7	13.7	12	11.8{1.2}	30	
0.7	13.7	14	13.7{1.4}	35	
0.7	13.7	16	15.7{1.6}	40	
0.75	18.9	18	17.7{1.8}	45	
0.75	18.9	20	19.6{2.0}	50	
0.75	18.9	22	21.6{2.2}	55	
0.8	26.4	24	23.5{2.4}	60	
0.8	26.4	26	25.5{2.6}	65	
0.85	30.6	28	27.5{2.8}	70	
0.85	34.9	32	31.4{3.2}	80	
0.65	4.7	4	3.9{0.4}	WL8-10	
0.75	8.5	6	5.9{0.6}	15	
0.75	8.5	8	7.8{0.8}	20	
0.75	8.5	10	9.8{1.0}	25	
0.8	11.2	12	11.8{1.2}	30	
0.8	11.2	14	13.7{1.4}	35	
0.8	11.2	16	15.7{1.6}	40	
0.85	15.3	18	17.7{1.8}	45	
0.85	15.3	20	19.6{2.0}	50	
0.85	15.3	22	21.6{2.2}	55	
0.9	19.4	24	23.5{2.4}	60	
0.9	19.4	26	25.5{2.6}	65	
1.0	31	28	27.5{2.8}	70	
1.0	31	32	31.4{3.2}	80	
0.75	5.3	4	3.9{0.4}	WL10-10	
0.8	6.4	6	5.9{0.6}	15	
0.8	6.4	8	7.8{0.8}	20	
0.9	10.8	10	9.8{1.0}	25	
0.9	10.8	12	11.8{1.2}	30	
0.9	10.8	14	13.7{1.4}	35	
0.9	10.8	16	15.7{1.6}	40	
1.0	17	18	17.7{1.8}	45	
1.0	17	20	19.6{2.0}	50	
1.0	17	22	21.6{2.2}	55	
1.0	17	24	23.5{2.4}	60	
1.1	24	26	25.5{2.6}	65	
1.1	24	28	27.5{2.8}	70	
1.1	24.2	32	31.4{3.2}	80	
0.8	4.8	4	4.0{0.4}	WL12-10	
0.9	7.2	6	5.9{0.6}	15	
0.9	7.2	8	7.8{0.8}	20	
0.9	7.2	10	9.8{1.0}	25	
1.0	10.5	12	11.8{1.2}	30	
1.0	10.5	14	13.7{1.4}	35	
1.0	10.5	16	15.7{1.6}	40	
1.1	15.4	18	17.7{1.8}	45	
1.1	15.4	20	19.6{2.0}	50	
1.1	15.4	22	21.6{2.2}	55	
1.2	22.8	24	23.5{2.4}	60	
1.2	22.8	26	25.5{2.6}	65	
1.2	22.8	28	27.5{2.8}	70	
1.3	34.5	32	31.4{3.2}	80	
0.85	5.1	4	4.0{0.4}	WL13-10	
0.9	6.3	6	5.9{0.6}	15	
1.0	8.7	8	7.8{0.8}	20	
1.0	8.7	10	9.8{1.0}	25	
1.1	13.2	12	11.8{1.2}	30	
1.1	13.2	14	13.7{1.4}	35	
1.1	13.2	16	15.7{1.6}	40	
1.1	13.2	18	17.7{1.8}	45	
1.1	13.2	20	19.6{2.0}	50	
1.1	13.2	22	21.6{2.2}	55	
1.1	13.2	24	23.5{2.4}	60	
1.2	18.6	26	25.5{2.6}	65	
1.2	18.6	28	27.5{2.8}	70	
1.4	37.8	32	31.4{3.2}	80	
1.4	37.8	36	35.3{3.6}	90	
1.0	7.5	6	5.9{0.6}	WL14-15	
1.0	7.5	8	7.8{0.8}	20	
1.0	7.5	10	9.8{1.0}	25	
1.1	11	12	11.8{1.2}	30	
1.1	11	14	13.7{1.4}	35	
1.1	11	16	15.7{1.6}	40	
1.2	15.6	18	17.7{1.8}	45	
1.2	15.6	20	19.6{2.0}	50	
1.2	15.6	22	21.6{2.2}	55	
1.2	15.6	24	23.5{2.4}	60	
1.3	22.1	26	25.5{2.6}	65	
1.3	22.1	28	27.5{2.8}	70	
1.3	22.1	32	31.4{3.2}	80	
1.5	43.5	36	35.3{3.6}	90	
1.1	8.2	6	5.9{0.6}	WL16- 15	
1.1	8.2	8	7.8{0.8}	20	
1.2	10	10	9.8{1.0}	25	
1.2	10	12	11.8{1.2}	30	
1.2	10	14	13.7{1.4}	35	
1.2	10	16	15.7{1.6}	40	
1.4	21	18	17.7{1.8}	45	
1.4	21	20	19.6{2.0}	50	
1.4	21	22	21.6{2.2}	55	
1.4	21	24	23.5{2.4}	60	
1.5	29.7	26	25.5{2.6}	65	
1.5	29.7	28	27.5{2.8}	70	
1.5	29.7	32	31.4{3.2}	80	
1.6	40	36	35.3{3.6}	90	
1.5	10	8	23.5{2.4}	WL18- 20	
1.6	12	10	29.4{3.0}	25	
1.6	12	12	35.3{3.6}	30	
1.7	16.2	14	41.2{4.2}	35	
1.7	16.2	16	47.1{4.8}	40	
1.8	19.8	18	53.0{5.4}	45	
1.8	19.8	20	58.8{6.0}	50	
1.8	19.8	22	64.7{6.6}	55	
1.8	19.8	24	70.6{7.2}	60	
2.0	32	26	76.5{7.8}	65	
2.0	32	28	82.4{8.4}	70	
2.0	32	32	94.1{9.6}	80	
2.2	43	36	105.9{10.8}	90	
2.2	43	40	117.7{12.0}	100	
1.6	10.4	8	23.5{2.4}	WL20- 20	
1.6	10.4	10	29.4{3.0}	25	
1.7	12.8	12	35.3{3.6}	30	
1.7	12.8	14	41.2{4.2}	35	
1.8	15.8	16	47.1{4.8}	40	
1.8	15.8	18	53.0{5.4}	45	
1.8	15.8	20	58.8{6.0}	50	
1.8	15.8	22	64.7{6.6}	55	
2.0	24	24	70.6{7.2}	60	
2.0	24	26	76.5{7.8}	65	
2.0	24	28	82.4{8.4}	70	
2.2	37.4	32	94.1{9.6}	80	
2.2	37.4	36	105.9{10.8}	90	
2.2	37.4	40	117.7{12.0}	100	
1.7	10.8	8	23.5{2.4}	WL22- 20	
1.8	13.3	10	29.4{3.0}	25	
1.8	13.3	12	35.3{3.6}	30	
1.8	13.3	14	41.2{4.2}	35	
2.0	20	16	47.1{4.8}	40	
2.0	20	18	53.0{5.4}	45	
2.0	20	20	58.8{6.0}	50	
2.0	20	22	64.7{6.6}	55	
2.2	28.6	24	70.6{7.2}	60	
2.2	28.6	26	76.5{7.8}	65	
2.2	28.6	28	82.4{8.4}	70	
2.2	28.6	32	94.1{9.6}	80	
2.3	34.5	36	105.9{10.8}	90	
2.3	34.5	40	117.7{12.0}	100	
2.1	14	12	35.3{3.6}	WL27- 30	
2.1	14	14	41.2{4.2}	35	
2.3	19	16	47.1{4.8}	40	
2.3	19	18	53.0{5.4}	45	
2.3	19	20	58.8{6.0}	50	
2.3	19	22	64.7{6.6}	55	
2.5	28	24	70.6{7.2}	60	
2.5	28	26	76.5{7.8}	65	
2.6	34.5	28	82.4{8.4}	70	
2.6	34.5	32	94.1{9.6}	80	
2.8	46.7	36	105.9{10.8}	90	
2.8	46.7	40	117.7{12.0}	100	

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

Both ends of * marked WL 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 P.327
How to use coil springs, and precautions P.328