

Load \pm 10%
 Perpendicularity 2° or less
 Free length L 50 or less \pm 0.5mm
 55 or more \pm 1%
 Winding Direction : Right

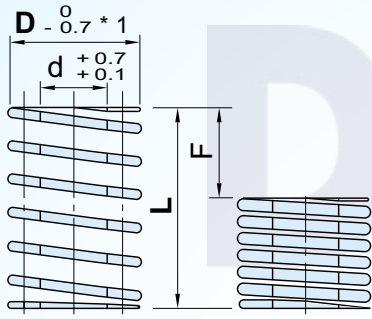
*1 For D70, the D dimension tolerance is -0.10

| Part No. Type D-L | D | d | L | Spring Constant N/mm(kgf/mm) | F = L x 32% | | F = L x 36% | | F = L x 40% | |
|-------------------|----|---|----|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | Fmm | Load N(kgf) | Fmm | Load N(kgf) | Fmm | Load N(kgf) |
| Operation Count | | | | | 1,000,000 | 500,000 | 300,000 | | | |
| DSWL6 - 15 | 6 | 3 | 15 | 13.1 (1.33) | 4.8 | 5.4 | 6.0 | 6.0 | 7.8 | (8.0) |
| | | | 20 | 9.8 (1.00) | 6.4 | 7.2 | 8.0 | | | |
| | | | 25 | 7.8 (0.80) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 6.5 (0.67) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 5.6 (0.57) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 4.9 (0.50) | 12.8 | 14.4 | 16.0 | | | |
| DSWL8 - 10 | 8 | 4 | 10 | 24.5 (2.50) | 3.2 | 3.6 | 4.0 | 8.0 | | |
| | | | 15 | 16.3 (1.67) | 4.8 | 5.4 | 6.0 | | | |
| | | | 20 | 12.3 (1.25) | 6.4 | 7.2 | 8.0 | | | |
| | | | 25 | 9.8 (1.00) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 8.2 (0.83) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 7.0 (0.71) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 6.1 (0.63) | 12.8 | 14.4 | 16.0 | 88 | | |
| | | | 45 | 5.4 (0.56) | 14.4 | 16.2 | 18.0 | 88 | 88 | |
| | | | 50 | 4.9 (0.50) | 16.0 | 18.0 | 20.0 | 88 | 88 | |
| | | | 55 | 4.5 (0.45) | 17.6 | 19.8 | 22.0 | 88 | 88 | |
| | | | 60 | 4.1 (0.42) | 19.2 | 21.6 | 24.0 | 88 | 88 | |
| | | | 65 | 3.8 (0.38) | 20.8 | 23.4 | 26.0 | 88 | 88 | |
| DSWL10 - 10 | 10 | 5 | 10 | 34.3 (3.50) | 3.2 | 3.6 | 4.0 | 98 | | |
| | | | 15 | 22.9 (2.33) | 4.8 | 5.4 | 6.0 | | | |
| | | | 20 | 17.2 (1.75) | 6.4 | 7.2 | 8.0 | | | |
| | | | 25 | 13.7 (1.40) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 11.4 (1.17) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 9.8 (1.00) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 8.6 (0.88) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 7.6 (0.78) | 14.4 | 16.2 | 18.0 | 88 | | |
| | | | 50 | 6.9 (0.70) | 16.0 | 18.0 | 20.0 | 88 | 98 | |
| | | | 55 | 6.2 (0.64) | 17.6 | 19.8 | 22.0 | 88 | 98 | |
| | | | 60 | 5.7 (0.58) | 19.2 | 21.6 | 24.0 | 88 | 98 | |
| | | | 65 | 5.3 (0.54) | 20.8 | 23.4 | 26.0 | 88 | 98 | |
| DSWL12 - 15 | 12 | 6 | 15 | 34.3 (3.50) | 4.8 | 5.4 | 6.0 | 206 | | |
| | | | 20 | 25.7 (2.63) | 6.4 | 7.2 | 8.0 | | | |
| | | | 25 | 20.6 (2.10) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 17.2 (1.75) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 14.7 (1.50) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 12.9 (1.31) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 11.4 (1.17) | 14.4 | 16.2 | 18.0 | 185 | | |
| | | | 50 | 10.3 (1.05) | 16.0 | 18.0 | 20.0 | 185 | 206 | |
| | | | 55 | 9.4 (0.95) | 17.6 | 19.8 | 22.0 | 185 | 206 | |
| | | | 60 | 8.6 (0.88) | 19.2 | 21.6 | 24.0 | 185 | 206 | |
| | | | 65 | 7.9 (0.81) | 20.8 | 23.4 | 26.0 | 185 | 206 | |
| | | | 70 | 7.4 (0.75) | 22.4 | 25.2 | 28.0 | 185 | 206 | |
| DSWL14 - 20 | 14 | 7 | 20 | 34.3 (3.50) | 6.4 | 7.2 | 8.0 | 275 | | |
| | | | 25 | 27.5 (2.80) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 22.9 (2.33) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 19.6 (2.00) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 17.2 (1.75) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 15.3 (1.56) | 14.4 | 16.2 | 18.0 | | | |
| | | | 50 | 13.7 (1.40) | 16.0 | 18.0 | 20.0 | 247 | | |
| | | | 55 | 12.5 (1.27) | 17.6 | 19.8 | 22.0 | 247 | 275 | |
| | | | 60 | 11.4 (1.17) | 19.2 | 21.6 | 24.0 | 247 | 275 | |
| | | | 65 | 10.6 (1.08) | 20.8 | 23.4 | 26.0 | 247 | 275 | |
| | | | 70 | 9.8 (1.00) | 22.4 | 25.2 | 28.0 | 247 | 275 | |
| | | | 75 | 9.2 (0.93) | 24.0 | 27.0 | 30.0 | 247 | 275 | |

| Part No. Type D-L | D | d | L | Spring Constant N/mm(kgf/mm) | F = L x 32% | | F = L x 36% | | F = L x 40% | |
|-------------------|----|----|----|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | Fmm | Load N(kgf) | Fmm | Load N(kgf) | Fmm | Load N(kgf) |
| Operation Count | | | | | 1,000,000 | 500,000 | 300,000 | | | |
| DSWL16 - 20 | 16 | 8 | 20 | 42.9 (4.38) | 6.4 | 7.2 | 8.0 | 343 | | |
| | | | 25 | 34.3 (3.50) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 28.6 (2.92) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 24.5 (2.50) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 21.5 (2.19) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 19.1 (1.94) | 14.4 | 16.2 | 18.0 | | | |
| | | | 50 | 17.2 (1.75) | 16.0 | 18.0 | 20.0 | 275 | | |
| | | | 55 | 15.6 (1.59) | 17.6 | 19.8 | 22.0 | 275 | 343 | |
| | | | 60 | 14.3 (1.46) | 19.2 | 21.6 | 24.0 | 275 | 343 | |
| | | | 65 | 13.2 (1.35) | 20.8 | 23.4 | 26.0 | 275 | 343 | |
| | | | 70 | 12.3 (1.25) | 22.4 | 25.2 | 28.0 | 275 | 343 | |
| | | | 75 | 11.4 (1.17) | 24.0 | 27.0 | 30.0 | 275 | 343 | |
| DSWL18 - 20 | 18 | 9 | 20 | 52.7 (5.38) | 6.4 | 7.2 | 8.0 | 422 | | |
| | | | 25 | 42.2 (4.30) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 35.1 (3.58) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 30.1 (3.07) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 26.4 (2.69) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 23.4 (2.39) | 14.4 | 16.2 | 18.0 | | | |
| | | | 50 | 21.1 (2.15) | 16.0 | 18.0 | 20.0 | 337 | | |
| | | | 55 | 19.2 (1.95) | 17.6 | 19.8 | 22.0 | 337 | 422 | |
| | | | 60 | 17.6 (1.79) | 19.2 | 21.6 | 24.0 | 337 | 422 | |
| | | | 65 | 16.2 (1.65) | 20.8 | 23.4 | 26.0 | 337 | 422 | |
| | | | 70 | 15.1 (1.54) | 22.4 | 25.2 | 28.0 | 337 | 422 | |
| | | | 75 | 14.1 (1.43) | 24.0 | 27.0 | 30.0 | 337 | 422 | |
| DSWL20 - 20 | 20 | 10 | 20 | 66.2 (6.75) | 6.4 | 7.2 | 8.0 | 530 | | |
| | | | 25 | 53.0 (5.40) | 8.0 | 9.0 | 10.0 | | | |
| | | | 30 | 44.1 (4.50) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 37.8 (3.86) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 33.1 (3.38) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 29.4 (3.00) | 14.4 | 16.2 | 18.0 | | | |
| | | | 50 | 26.5 (2.70) | 16.0 | 18.0 | 20.0 | 424 | | |
| | | | 55 | 24.1 (2.45) | 17.6 | 19.8 | 22.0 | 424 | 530 | |
| | | | 60 | 22.1 (2.25) | 19.2 | 21.6 | 24.0 | 424 | 530 | |
| | | | 65 | 20.4 (2.08) | 20.8 | 23.4 | 26.0 | 424 | 530 | |
| | | | 70 | 18.9 (1.93) | 22.4 | 25.2 | 28.0 | 424 | 530 | |
| | | | 75 | 17.7 (1.80) | 24.0 | 27.0 | 30.0 | 424 | 530 | |
| DSWL22 - 25 | 22 | 11 | 25 | 65.7 (6.70) | 8.0 | 9.0 | 10.0 | 657 | | |
| | | | 30 | 54.8 (5.58) | 9.6 | 10.8 | 12.0 | | | |
| | | | 35 | 46.9 (4.79) | 11.2 | 12.6 | 14.0 | | | |
| | | | 40 | 41.1 (4.19) | 12.8 | 14.4 | 16.0 | | | |
| | | | 45 | 36.5 (3.72) | 14.4 | 16.2 | 18.0 | | | |
| | | | 50 | 32.9 (3.35) | 16.0 | 18.0 | 20.0 | 526 | | |
| | | | 55 | 29.9 (3.05) | 17.6 | 19.8 | 22.0 | 526 | 657 | |
| | | | 60 | 27.4 (2.79) | 19.2 | 21.6 | 24.0 | 526 | 657 | |
| | | | 65 | 25.3 (2.58) | 20.8 | 23.4 | 26.0 | 526 | 657 | |
| | | | 70 | 23.5 (2.39) | 22.4 | 25.2 | 28.0 | 526 | 657 | |
| | | | 75 | 21.9 (2.23) | 24.0 | 27.0 | 30.0 | 526 | 657 | |
| | | | 80 | 20.5 (2.09) | 25.6 | 28.8 | 32.0 | 526 | 657 | |

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





Load ± 10%
 Perpendicularity 2° or less
 Free length L 50 or less ± 0.5mm
 55 or more ± 1%
 Winding Direction : Right

*1 For D70, the D dimension tolerance is -1.0

| Part No. Type D-L | D | d | L | Spring Constant N/mm(kgf/mm) | F = L x 32% | | F = L x 36% | | F = L x 40% | | |
|------------------------|--------------|------|--------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------|
| | | | | | Fmm | Load N(kgf) | Fmm | Load N(kgf) | Fmm | Load N(kgf) | |
| Operation Count | | | | | | | | | | | |
| | | | | | 1,000,000 | 500,000 | | | 300,000 | | |
| DSWL25 - 25 | 25 | 12.5 | 25 | 82.4 { 8.40} | 8.0 | 9.0 | | | 10.0 | | |
| 30 | | | 68.6 { 7.00} | 9.6 | 10.8 | | 12.0 | | | | |
| 35 | | | 58.8 { 6.00} | 11.2 | 12.6 | | 14.0 | | | | |
| 40 | | | 51.5 { 5.25} | 12.8 | 14.4 | | 16.0 | | | | |
| 45 | | | 45.8 { 4.67} | 14.4 | 16.2 | | 18.0 | | | | |
| 50 | | | 41.2 { 4.20} | 16.0 | 18.0 | | 20.0 | | | | |
| 55 | | | 37.4 { 3.82} | 17.6 | 19.8 | | 22.0 | | | | |
| 60 | | | 34.3 { 3.50} | 19.2 | 21.6 | | 24.0 | | | | |
| 65 | | | 31.7 { 3.23} | 20.8 | 23.4 | 659 | 26.0 | 741 | 28.0 | 824 | 30.0 |
| 70 | | | 29.4 { 3.00} | 22.4 | 25.2 | (67) | (76) | (84) | | | |
| 75 | | | 27.5 { 2.80} | 24.0 | 27.0 | | 30.0 | | | | |
| 80 | | | 25.7 { 2.63} | 25.6 | 28.8 | | 32.0 | | | | |
| 90 | | | 22.9 { 2.33} | 28.8 | 32.4 | | 36.0 | | | | |
| 100 | | | 20.6 { 2.10} | 32.0 | 36.0 | | 40.0 | | | | |
| 125 | | | 16.5 { 1.68} | 40.0 | 45.0 | | 50.0 | | | | |
| 150 | | | 13.7 { 1.40} | 48.0 | 54.0 | | 60.0 | | | | |
| 175 | 11.8 { 1.20} | 56.0 | 63.0 | | 70.0 | | | | | | |
| 200 | 10.3 { 1.05} | 64.0 | 72.0 | | 80.0 | | | | | | |
| DSWL27 - 25 | 27 | 13.5 | 25 | 98.1 {10.0} | 8.0 | 9.0 | | | 10.0 | | |
| 30 | | | 81.7 { 8.33} | 9.6 | 10.8 | | 12.0 | | | | |
| 35 | | | 70.0 { 7.14} | 11.2 | 12.6 | | 14.0 | | | | |
| 40 | | | 61.3 { 6.25} | 12.8 | 14.4 | | 16.0 | | | | |
| 45 | | | 54.5 { 5.56} | 14.4 | 16.2 | | 18.0 | | | | |
| 50 | | | 49.0 { 5.00} | 16.0 | 18.0 | | 20.0 | | | | |
| 55 | | | 44.6 { 4.55} | 17.6 | 19.8 | | 22.0 | | | | |
| 60 | | | 40.9 { 4.17} | 19.2 | 21.6 | | 24.0 | | | | |
| 65 | | | 37.7 { 3.85} | 20.8 | 23.4 | 785 | 26.0 | 883 | 28.0 | 981 | |
| 70 | | | 35.0 { 3.57} | 22.4 | 25.2 | (80) | (90) | (100) | | | |
| 75 | | | 32.7 { 3.33} | 24.0 | 27.0 | | 30.0 | | | | |
| 80 | | | 30.6 { 3.13} | 25.6 | 28.8 | | 32.0 | | | | |
| 90 | | | 27.2 { 2.78} | 28.8 | 32.4 | | 36.0 | | | | |
| 100 | | | 24.5 { 2.50} | 32.0 | 36.0 | | 40.0 | | | | |
| 125 | | | 19.6 { 2.00} | 40.0 | 45.0 | | 50.0 | | | | |
| 150 | | | 16.3 { 1.67} | 48.0 | 54.0 | | 60.0 | | | | |
| 175 | 14.0 { 1.43} | 56.0 | 63.0 | | 70.0 | | | | | | |
| 200 | 12.3 { 1.25} | 64.0 | 72.0 | | 80.0 | | | | | | |
| DSWL30 - 25 | 30 | 15 | 25 | 119 { 12.1} | 8.0 | 9.0 | | | 10.0 | | |
| 30 | | | 98.8 { 10.1} | 9.6 | 10.8 | | 12.0 | | | | |
| 35 | | | 84.7 { 8.64} | 11.2 | 12.6 | | 14.0 | | | | |
| 40 | | | 74.1 { 7.56} | 12.8 | 14.4 | | 16.0 | | | | |
| 45 | | | 65.9 { 6.72} | 14.4 | 16.2 | | 18.0 | | | | |
| 50 | | | 59.3 { 6.05} | 16.0 | 18.0 | | 20.0 | | | | |
| 55 | | | 53.9 { 5.50} | 17.6 | 19.8 | | 22.0 | | | | |
| 60 | | | 49.4 { 5.04} | 19.2 | 21.6 | | 24.0 | | | | |
| 65 | | | 45.6 { 4.65} | 20.8 | 23.4 | 949 | 26.0 | 1067 | 28.0 | 1186 | |
| 70 | | | 42.4 { 4.32} | 22.4 | 25.2 | (97) | (109) | (121) | | | |
| 75 | | | 39.5 { 4.03} | 24.0 | 27.0 | | 30.0 | | | | |
| 80 | | | 37.1 { 3.78} | 25.6 | 28.8 | | 32.0 | | | | |
| 90 | | | 32.9 { 3.36} | 28.8 | 32.4 | | 36.0 | | | | |
| 100 | | | 29.7 { 3.02} | 32.0 | 36.0 | | 40.0 | | | | |
| 125 | | | 23.7 { 2.42} | 40.0 | 45.0 | | 50.0 | | | | |
| 150 | | | 19.8 { 2.02} | 48.0 | 54.0 | | 60.0 | | | | |
| 175 | 16.9 { 1.73} | 56.0 | 63.0 | | 70.0 | | | | | | |
| 200 | 14.8 { 1.51} | 64.0 | 72.0 | | 80.0 | | | | | | |
| DSWL35 - 40 | 40 | 17.5 | 40 | 101 { 10.3} | 12.8 | 14.4 | | | 16.0 | | |
| 45 | | | 89.8 { 9.16} | 14.4 | 16.2 | | 18.0 | | | | |
| 50 | | | 80.9 { 8.24} | 16.0 | 18.0 | | 20.0 | | | | |
| 55 | | | 73.5 { 7.49} | 17.6 | 19.8 | | 22.0 | | | | |
| 60 | | | 67.4 { 6.87} | 19.2 | 21.6 | | 24.0 | | | | |
| 65 | | | 62.2 { 6.34} | 20.8 | 23.4 | | 26.0 | | | | |
| 70 | | | 57.8 { 5.89} | 22.4 | 25.2 | | 28.0 | | | | |
| 75 | | | 53.9 { 5.50} | 24.0 | 27.0 | 1292 | 30.0 | 1455 | 32.0 | 1617 | |
| 80 | | | 50.5 { 5.15} | 25.6 | 28.8 | (132) | (148) | (165) | | | |
| 90 | | | 44.9 { 4.58} | 28.8 | 32.4 | | 36.0 | | | | |
| 100 | | | 40.4 { 4.12} | 32.0 | 36.0 | | 40.0 | | | | |
| 125 | | | 32.3 { 3.30} | 40.0 | 45.0 | | 50.0 | | | | |
| 150 | | | 27.0 { 2.75} | 48.0 | 54.0 | | 60.0 | | | | |
| 175 | | | 23.1 { 2.36} | 56.0 | 63.0 | | 70.0 | | | | |
| 200 | | | 20.2 { 2.06} | 64.0 | 72.0 | | 80.0 | | | | |

| Part No. Type D-L | D | d | L | Spring Constant N/mm(kgf/mm) | F = L x 32% | | F = L x 36% | | F = L x 40% | |
|------------------------|--------------|-------|--------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | Fmm | Load N(kgf) | Fmm | Load N(kgf) | Fmm | Load N(kgf) |
| Operation Count | | | | | | | | | | |
| | | | | | 1,000,000 | 500,000 | | | 300,000 | |
| DSWL40 - 40 | 40 | 20 | 40 | 132 { 13.5} | 12.8 | 14.4 | | | 16.0 | |
| 45 | | | 118 { 12.0} | 14.4 | 16.2 | | 18.0 | | | |
| 50 | | | 106 { 10.8} | 16.0 | 18.0 | | 20.0 | | | |
| 55 | | | 96.2 { 9.81} | 17.6 | 19.8 | | 22.0 | | | |
| 60 | | | 88.2 { 8.99} | 19.2 | 21.6 | | 24.0 | | | |
| 65 | | | 81.4 { 8.30} | 20.8 | 23.4 | | 26.0 | | | |
| 70 | | | 75.6 { 7.71} | 22.4 | 25.2 | | 28.0 | | | |
| 75 | | | 70.6 { 7.20} | 24.0 | 27.0 | | 30.0 | | | |
| 80 | | | 66.2 { 6.75} | 25.6 | 28.8 | | 32.0 | | | |
| 90 | | | 58.8 { 6.00} | 28.8 | 32.4 | 1694 | 36.0 | 1905 | 40.0 | 2117 |
| 100 | | | 52.9 { 5.40} | 32.0 | 36.0 | (173) | (194) | (216) | | |
| 125 | | | 42.3 { 4.32} | 40.0 | 45.0 | | 50.0 | | | |
| 150 | | | 35.3 { 3.60} | 48.0 | 54.0 | | 60.0 | | | |
| 175 | | | 30.2 { 3.08} | 56.0 | 63.0 | | 70.0 | | | |
| 200 | | | 26.5 { 2.70} | 64.0 | 72.0 | | 80.0 | | | |
| 225 | | | 23.5 { 2.40} | 72.0 | 81.0 | | 90.0 | | | |
| 250 | 21.2 { 2.16} | 80.0 | 90.0 | | 100.0 | | | | | |
| 275 | 19.2 { 1.96} | 88.0 | 99.0 | | 110.0 | | | | | |
| 300 | 17.6 { 1.80} | 96.0 | 108.0 | | 120.0 | | | | | |
| DSWL50 - 50 | 50 | 25 | 50 | 166 { 16.9} | 16.0 | 18.0 | | | 20.0 | |
| 55 | | | 151 { 15.4} | 17.6 | 19.8 | | 22.0 | | | |
| 60 | | | 138 { 14.1} | 19.2 | 21.6 | | 24.0 | | | |
| 65 | | | 127 { 13.0} | 20.8 | 23.4 | | 26.0 | | | |
| 70 | | | 118 { 12.1} | 22.4 | 25.2 | | 28.0 | | | |
| 75 | | | 110 { 11.3} | 24.0 | 27.0 | | 30.0 | | | |
| 80 | | | 104 { 10.6} | 25.6 | 28.8 | | 32.0 | | | |
| 90 | | | 92.0 { 9.38} | 28.8 | 32.4 | | 36.0 | | | |
| 100 | | | 82.8 { 8.44} | 32.0 | 36.0 | | 40.0 | | | |
| 125 | | | 66.2 { 6.75} | 40.0 | 45.0 | 2650 | 50.0 | 2981 | 60.0 | 3312 |
| 150 | | | 55.2 { 5.63} | 48.0 | 54.0 | (270) | (304) | (338) | | |
| 175 | | | 47.3 { 4.82} | 56.0 | 63.0 | | 70.0 | | | |
| 200 | | | 41.4 { 4.22} | 64.0 | 72.0 | | 80.0 | | | |
| 225 | | | 36.8 { 3.75} | 72.0 | 81.0 | | 90.0 | | | |
| 250 | | | 33.1 { 3.38} | 80.0 | 90.0 | | 100.0 | | | |
| 275 | | | 30.1 { 3.07} | 88.0 | 99.0 | | 110.0 | | | |
| 300 | 27.6 { 2.81} | 96.0 | 108.0 | | 120.0 | | | | | |
| 350 | 23.7 { 2.41} | 112.0 | 126.0 | | 140.0 | | | | | |
| 400 | 20.7 { 2.11} | 128.0 | 144.0 | | 160.0 | | | | | |
| 450 | 18.4 { 1.88} | 144.0 | 162.0 | | 180.0 | | | | | |
| 500 | 16.6 { 1.69} | 160.0 | 180.0 | | 200.0 | | | | | |
| DSWL60 - 60 | 60 | 30 | 60 | 199 { 20.3} | 19.2 | 21.6 | | | 24.0 | |
| 70 | | | 170 { 17.4} | 22.4 | 25.2 | | 28.0 | | | |
| 80 | | | 149 { 15.2} | 25.6 | 28.8 | | 32.0 | | | |
| 90 | | | 133 { 13.5} | 28.8 | 32.4 | | 36.0 | | | |
| 100 | | | 119 { 12.2} | 32.0 | 36.0 | | 40.0 | | | |
| 125 | | | 95.4 { 9.73} | 40.0 | 45.0 | | 50.0 | | | |
| 150 | | | 79.5 { 8.11} | 48.0 | 54.0 | | 60.0 | | | |
| 175 | | | 68.1 { 6.95} | 56.0 | 63.0 | 3816 | 70.0 | 4770 | | |
| 200 | | | 59.6 { 6.08} | 64.0 | 72.0 | (389) | (438) | (486) | | |
| 225 | | | 53.0 { 5.40} | 72.0 | 81.0 | | 90.0 | | | |
| 250 | | | 47.7 { 4.86} | 80.0 | 90.0 | | 100.0 | | | |
| 275 | | | 43.4 { 4.42} | 88.0 | 99.0 | | 110.0 | | | |
| 300 | | | 39.8 { 4.05} | 96.0 | 108.0 | | 120.0 | | | |
| 350 | | | 34.1 { 3.47} | 112.0 | 126.0 | | 140.0 | | | |
| 400 | | | 29.8 { 3.04} | 128.0 | 144.0 | | 160.0 | | | |
| 450 | | | 26.5 { 2.70} | 144.0 | 162.0 | | 180.0 | | | |
| 500 | 23.9 { 2.43} | 160.0 | 180.0 | | 200.0 | | | | | |
| DSWL70 - 70 | 70 | 38.5 | 70 | 214 { 21.8} | 22.4 | 25.2 | | | 28.0 | |
| 80 | | | 187 { 19.0} | 25.6 | 28.8 | | 32.0 | | | |
| 90 | | | 166 { 16.9} | 28.8 | 32.4 | | 36.0 | | | |
| 100 | | | 149 { 15.2} | 32.0 | 36.0 | | 40.0 | | | |
| 125 | | | 120 { 12.2} | 40.0 | 45.0 | 4782 | 50.0 | 5978 | | |
| 150 | | | 99.6 { 10.2} | 48.0 | 54.0 | (488) | (549) | (610) | | |
| 175 | | | 85.4 { 8.71} | 56.0 | 63.0 | | 70.0 | | | |
| 200 | | | 74.7 { 7.62} | 64.0 | 72.0 | | 80.0 | | | |
| 250 | | | 59.8 { 6.10} | 80.0 | 90.0 | | 100.0 | | | |
| 300 | | | 49.8 { 5.08} | 96.0 | 108.0 | | 120.0 | | | |
| 350 | | | 42.7 { 4.35} | 112.0 | 126.0 | | 140.0 | | | |

| Alteration | Code | Spec. |
|------------|------|--|
| | | |
| | NT | Coating removal Removal of the coil spring coating by shot peening ☑ Springs with the coating removed are extremely susceptible to corrosion. Handle them with care. ☑ Corrosion of the spring will result in early breakage. There may be greater variation in the load capacity and other characteristics between lots than with ordinary coated products. |

