弹簧尺寸价格表

单位：元/条

| 规格(modle) 外径×内径×长度 $D_H \times D_d \times L_0$ | 价 格 | 刚 度 | 压缩量 deflection 40% 1.000.000 | | 压缩量 deflection 45% 500.000 | | 压缩量 deflection 50% 300.000 | |
|---|---|---|---|---|---|---|---|---|
| mm | RMB | kfg/mm | ℓ/mm | Kgf{N} | ℓ/mm | Kgf{N} | ℓ/mm | Kgf{N} |
| SR14.5*9*90 | 25.0 | 0.25 | 35.0 | 9<br>{88.2} | 40.5 | 10<br>{98} | 45.0 | 11<br>{107.8} |
| 100 | 28.0 | 0.22 | 40.0 | | 45.0 | | 50.0 | |
| 125 | 30.0 | 0.18 | 50.0 | | 56.3 | | 62.3 | |
| SR17*11*25 | 13.5 | 1.51 | 10.0 | 15<br>{147} | 11.3 | 17<br>{166.6} | 12.5 | 19<br>{186.2} |
| 30 | 14.7 | 1.26 | 12.0 | | 13.5 | | 15.0 | |
| 35 | 15.9 | 1.08 | 14.0 | | 15.8 | | 17.5 | |
| 40 | 17.1 | 0.94 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 18.3 | 0.84 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 19.5 | 0.76 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 20.7 | 0.69 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 21.9 | 0.63 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 23.1 | 0.58 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 24.3 | 0.54 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 25.5 | 0.50 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 26.7 | 0.47 | 32.0 | | 36.0 | | 40.0 | |
| 90 | 28.5 | 0.42 | 36.0 | | 40.5 | | 45.0 | |
| 100 | 30.0 | 0.38 | 34.0 | | 45.0 | | 50.0 | |
| 125 | 31.5 | 0.30 | 50.0 | | 58.3 | | 62.5 | |
| 150 | 33.0 | 0.25 | 60.0 | | 67.5 | | 75.0 | |
| SR21*13*30 | 15.0 | 2.00 | 12.0 | 24<br>{235.2} | 13.5 | 27<br>{264.6} | 15.0 | 30<br>{294} |
| 35 | 16.4 | 1.71 | 14.0 | | 15.8 | | 17.5 | |
| 40 | 17.8 | 1.50 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 19.2 | 1.33 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 20.6 | 1.20 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 22.0 | 1.00 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 23.4 | 1.00 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 24.8 | 0.92 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 26.2 | 0.86 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 27.6 | 0.80 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 29.0 | 0.75 | 32.0 | | 36.0 | | 40.0 | |
| 90 | 32.0 | 0.67 | 36.0 | | 40.5 | | 45.0 | |
| 100 | 34.0 | 0.60 | 40.0 | | 45.0 | | 50.0 | |
| 125 | 36.0 | 0.48 | 50.0 | | 58.3 | | 62.5 | |
| 150 | 38.0 | 0.40 | 60.0 | | 67.5 | | 75.0 | |
| SR26*16.5*30 | 18.0 | 2.74 | 12.0 | 33<br>{323.4} | 13.5 | 37<br>{362.6} | 15.0 | 41<br>{401.8} |
| 35 | 19.5 | 2.35 | 14.0 | | 15.8 | | 17.5 | |
| 40 | 21.0 | 2.06 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 22.5 | 1.83 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 24.0 | 1.64 | 26.0 | | 22.5 | | 25.0 | |
| 55 | 25.5 | 1.49 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 27.0 | 1.37 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 28.5 | 1.26 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 30.0 | 1.17 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 31.5 | 1.10 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 33.0 | 1.03 | 32.0 | | 36.0 | | 40.0 | |
| 90 | 36.0 | 0.91 | 36.0 | | 40.5 | | 45.0 | |
| 100 | 40.0 | 0.82 | 40.0 | | 45.0 | | 50.0 | |
| 110 | 44.0 | 0.75 | 44.0 | | 49.5 | | 55.5 | |
| 125 | 44.0 | 0.66 | 50.0 | | 58.3 | | 62.5 | |
| 150 | 48.0 | 0.55 | 60.0 | | 67.5 | | 75.0 | |
| 175 | 50.0 | 0.47 | 70.0 | | 78.5 | | 87.5 | |
| 200 | 53.0 | 0.41 | 80.0 | | 90.0 | | 100.0 | |

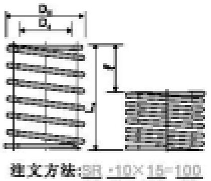
1N=0.102kgf

弹簧尺寸价格表

单位：元/条

| 规格(modle) 外径×内径×长度 $D_H \times D_d \times L_0$ | 价 格 | 刚 度 | 压缩量 deflection 40% 1.000.000 | | 压缩量 deflection 45% 500.000 | | 压缩量 deflection 50% 300.000 | |
|---|---|---|---|---|---|---|---|---|
| mm | RMB | kfg/mm | ℓ/mm | Kgf{N} | ℓ/mm | Kgf{N} | ℓ/mm | Kgf{N} |
| SR31x21x40 | 22.0 | 2.55 | 16.0 | 41<br>{401.8} | 18.0 | 46<br>{450.8} | 20.0 | 51<br>{499.8} |
| 45 | 24.5 | 2.27 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 27.0 | 2.04 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 29.5 | 1.85 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 32.0 | 1.70 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 34.5 | 1.57 | 30.0 | | 29.3 | | 32.5 | |
| 70 | 37.0 | 1.46 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 39.5 | 1.36 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 42.0 | 1.26 | 32.0 | | 36.0 | | 40.0 | |
| 90 | 46.0 | 1.14 | 35.0 | | 40.5 | | 45.0 | |
| 100 | 50.0 | 1.02 | 40.0 | | 45.0 | | 50.0 | |
| 110 | 55.0 | 0.93 | 44.0 | | 49.5 | | 55.0 | |
| 125 | 55.0 | 0.82 | 50.0 | | 68.3 | | 62.5 | |
| 150 | 60.0 | 0.68 | 60.0 | | 67.5 | | 75.0 | |
| 175 | 65.0 | 0.68 | 70.0 | | 78.8 | | 87.5 | |
| 200 | 70.0 | 0.51 | 80.0 | | 90.0 | | 100.0 | |
| 250 | 80.0 | 0.41 | 100.0 | | 112.5 | | 125.0 | |
| 300 | 90.0 | 0.34 | 120.0 | | 135.0 | | 150.0 | |
| SR39x26x40 | 24.0 | 2.78 | 16.0 | 44<br>{431.2} | 18.0 | 50<br>{490} | 20.0 | 56<br>{548.8} |
| 45 | 27.5 | 2.47 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 31.0 | 2.22 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 34.5 | 2.02 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 38.0 | 1.85 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 41.5 | 1.71 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 45.0 | 1.59 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 48.5 | 1.48 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 52.0 | 1.39 | 32.0 | | 35.0 | | 40.0 | |
| 90 | 57.0 | 1.23 | 35.0 | | 40.5 | | 45.0 | |
| 100 | 62.0 | 1.11 | 40.0 | | 45.0 | | 50.0 | |
| 110 | 67.0 | 1,01 | 44.0 | | 49.5 | | 55.0 | |
| 125 | 67.0 | 0.89 | 50.0 | | 56.3 | | 62.5 | |
| 150 | 72.0 | 0.74 | 60.0 | | 67.5 | | 75.0 | |
| 175 | 77.0 | 0.63 | 70.0 | | 78.8 | | 87.5 | |
| 200 | 82.0 | 0.56 | 80.0 | | 90.0 | | 100.0 | |
| 250 | 92.0 | 0.44 | 100.0 | | 112.5 | | 125.0 | |
| 300 | 102.0 | 0.37 | 120.0 | | 135.0 | | 150.0 | |
| SR46x32x50 | 32.0 | 2.49 | 20.0 | 50<br>{490} | 22.5 | 56<br>{548.8} | 25.0 | 62<br>{607.6} |
| 55 | 35.0 | 2.26 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 38.0 | 2.07 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 41.0 | 1.92 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 44.0 | 1.78 | 26.0 | | 31.5 | | 35.0 | |
| 75 | 47.0 | 1.66 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 50.0 | 1.55 | 32.0 | | 35.0 | | 40.0 | |
| 90 | 55.0 | 1.38 | 35.0 | | 40.5 | | 45.0 | |
| 100 | 60.0 | 1.24 | 40.0 | | 45.0 | | 50.0 | |
| 110 | 66.5 | 1.13 | 44.0 | | 49.5 | | 55.0 | |
| 125 | 66.5 | 1.00 | 50.0 | | 56.3 | | 62.5 | |
| 150 | 73.0 | 0.63 | 60.0 | | 67.5 | | 75.0 | |
| 175 | 79.5 | 0.71 | 70.0 | | 78.8 | | 87.5 | |
| 200 | 86.0 | 0.62 | 80.0 | | 90.0 | | 100.0 | |
| 250 | 102.0 | 0.50 | 100.0 | | 112.5 | | 125.0 | |
| 300 | 118.0 | 0.41 | 120.0 | | 135.0 | | 150.0 | |

1N=0.102kgf



注文方法:SR-10×15=100

# 公制(日本)标准模具弹簧

## Metric(japanese)standards molding springs

## SR 高变形(银白色) SR High Deflection (Silvery White)

**荷重计算方式**

弹簧刚度kgf/mm×f（压缩量）=kgf（荷重） 例:代号SR10×15(30万回时)

| 刚度kgf/mm×f（压缩量）=kgf（荷重） |
|---|
| 1.07×7.5=8 |

**SR弹簧使用回数与压缩比的关系**

| 弹簧\使用回数 | 100万回 | 50万回 | 30万回 | 最大压缩量 |
|---|---|---|---|---|
| SR | 自由长$L_0$的40% | 自由长$L_0$的45% | 自由长$L_0$的50% | 自由长$L_0$的60% |

**弹簧尺寸价格表**

单位：元/条

| 规格(modle)<br>外径×内径×长度<br>$D_2×D_1×L_0$ | 价 格 | 刚 度 | 压缩量<br>deflection<br>40%<br>1.000.000 | | 压缩量<br>deflection<br>45%<br>500.000 | | 压缩量<br>deflection<br>50%<br>300.000 | |
|---|---|---|---|---|---|---|---|---|
| mm | RMB | kfg/mm | f/mm | Kgf(N) | f/mm | Kgf(N) | f/mm | Kgf(N) |
| SR10x6x15 | 8.0 | 1.07 | 6.0 | 6.4<br>(62.72) | 6.75 | 7.2<br>(70.56) | 7.5 | 8<br>(78.4) |
| 20 | 8.6 | 0.80 | 8.0 | | 9.0 | | 10.0 | |
| 25 | 9.2 | 0.64 | 10.0 | | 11.25 | | 12.5 | |
| 30 | 9.8 | 0.53 | 12.0 | | 13.5 | | 15.0 | |
| 35 | 10.4 | 0.45 | 14.0 | | 15.75 | | 17.5 | |
| 40 | 11.0 | 0.40 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 11.6 | 0.35 | 18.0 | | 20.25 | | 22.5 | |
| 50 | 12.2 | 0.32 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 12.8 | 0.29 | 22.0 | | 24.75 | | 27.5 | |
| 60 | 13.4 | 0.27 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 14.0 | 0.25 | 26.0 | | 29.25 | | 32.5 | |
| 70 | 14.6 | 0.23 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 15.2 | 0.21 | 30.0 | | 33.75 | | 37.5 | |
| 80 | 15.8 | 0.20 | 32.0 | | 36.0 | | 40.0 | |
| SR12.5x7x15 | 8.8 | 1.20 | 6.0 | 7.2<br>(70.56) | 6.75 | 8.1<br>(79.38) | 7.5 | 9<br>(88.2) |
| 20 | 9.6 | 0.90 | 8.0 | | 9.0 | | 10.0 | |
| 25 | 10.4 | 0.72 | 10.0 | | 11.25 | | 12.5 | |
| 30 | 11.2 | 0.60 | 12.0 | | 13.5 | | 15.0 | |
| 35 | 12.0 | 0.51 | 14.0 | | 15.75 | | 17.5 | |
| 40 | 12.8 | 0.45 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 13.6 | 0.40 | 18.0 | | 20.25 | | 22.5 | |
| 50 | 14.4 | 0.36 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 15.2 | 0.33 | 22.0 | | 24.75 | | 27.5 | |
| 60 | 16.0 | 0.30 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 16.8 | 0.28 | 26.0 | | 29.25 | | 32.5 | |
| 70 | 17.6 | 0.26 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 18.4 | 0.24 | 30.0 | | 33.75 | | 37.5 | |
| 80 | 19.2 | 0.23 | 32.0 | | 36.0 | | 40.0 | |
| 90 | 20.5 | 0.20 | 36.0 | | 40.5 | | 45.0 | |
| 100 | 23.0 | 0.18 | 40.0 | | 45.0 | | 50.0 | |
| SR14.5x9x20 | 11.5 | 1.11 | 8.0 | 9<br>(88.2) | 9.0 | 10<br>(98) | 10.0 | 11<br>(107.8) |
| 25 | 12.5 | 0.89 | 10.0 | | 11.3 | | 12.5 | |
| 30 | 13.5 | 0.74 | 12.0 | | 13.5 | | 15.0 | |
| 35 | 14.5 | 0.64 | 14.0 | | 15.8 | | 17.5 | |
| 40 | 15.5 | 0.56 | 16.0 | | 18.0 | | 20.0 | |
| 45 | 16.5 | 0.49 | 18.0 | | 20.3 | | 22.5 | |
| 50 | 17.5 | 0.44 | 20.0 | | 22.5 | | 25.0 | |
| 55 | 18.5 | 0.40 | 22.0 | | 24.8 | | 27.5 | |
| 60 | 19.5 | 0.37 | 24.0 | | 27.0 | | 30.0 | |
| 65 | 20.5 | 0.34 | 26.0 | | 29.3 | | 32.5 | |
| 70 | 21.5 | 0.32 | 28.0 | | 31.5 | | 35.0 | |
| 75 | 22.5 | 0.30 | 30.0 | | 33.8 | | 37.5 | |
| 80 | 23.5 | 0.28 | 32.0 | | 36.0 | | 40.0 | |

1N=0.102kgf