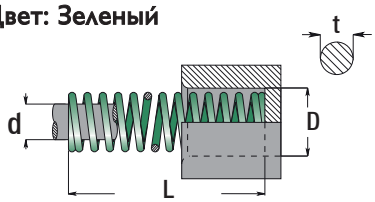
Код: TVY

## Пружина с малой нагрузкой

**Цвет: Зеленый**




Простым умножением коэффициента упругости (R) на величину сжатия / нагрузки (мм) достигается значение усилия пружины.
Пример: R x (A.B.C)

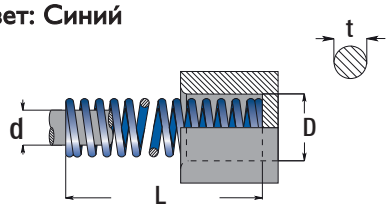
Nw - Newton = (0.102) Kgf

| D Outer Dia. | d Rod Dia. | L Length | R Load Rate | A Long Life % 25 | B Min. Deflect. % 30 | C Max. Deflect. % 40 | D Full Deflect. Breakable |
|---|---|---|---|---|---|---|---|
| t | | mm | Nw. | mm | mm | mm | mm |
| 10 | 5 | 25 | 4.4 | 6.3 | 7.5 | 10.0 | 13.2 |
| | | 32 | 3.4 | 8.0 | 9.6 | 12.8 | 16.5 |
| | | 38 | 2.8 | 9.5 | 11.4 | 15.2 | 19.8 |
| | | 44 | 2.4 | 11.0 | 13.2 | 17.6 | 23.1 |
| | | 51 | 2.1 | 12.8 | 15.3 | 20.4 | 26.9 |
| | | 64 | 1.6 | 16.0 | 19.2 | 25.6 | 33.3 |
| | | 76 | 1.3 | 19.0 | 22.8 | 30.4 | 39.6 |
| 1.1 | | 305 | 0.3 | 76.3 | 91.5 | 122.0 | 157 |
| 13 | 6.3 | 25 | 8.5 | 6.3 | 7.5 | 10.0 | 13.5 |
| | | 32 | 6.5 | 8.0 | 9.6 | 12.8 | 16.8 |
| | | 38 | 5.3 | 9.5 | 11.4 | 15.2 | 20.3 |
| | | 44 | 4.4 | 11.0 | 13.2 | 17.6 | 23.9 |
| | | 51 | 3.8 | 12.8 | 15.3 | 20.4 | 26.9 |
| | | 64 | 2.9 | 16.0 | 19.2 | 25.6 | 33.3 |
| | | 76 | 2.5 | 19.0 | 22.8 | 30.4 | 41.1 |
| | | 89 | 2.1 | 22.3 | 26.7 | 35.6 | 48.3 |
| 1.5 | | 305 | 0.6 | 76.3 | 91.5 | 122.0 | 163 |
| 16 | 8 | 25 | 17.9 | 6.3 | 7.5 | 10.0 | 14.7 |
| | | 32 | 13.5 | 8.0 | 9.6 | 12.8 | 18.5 |
| | | 38 | 10.5 | 9.5 | 11.4 | 15.2 | 22.4 |
| | | 44 | 8.8 | 11.0 | 13.2 | 17.6 | 25.9 |
| | | 51 | 7.6 | 12.8 | 15.3 | 20.4 | 30.0 |
| | | 64 | 5.9 | 16.0 | 19.2 | 25.6 | 37.8 |
| | | 76 | 4.8 | 19.0 | 22.8 | 30.4 | 45.2 |
| | | 89 | 4.0 | 22.3 | 26.7 | 35.6 | 52.8 |
| | | 102 | 3.5 | 25.5 | 30.6 | 40.8 | 60.7 |
| 2.0 | | 305 | 1.1 | 76.3 | 91.5 | 122.0 | 184 |

Код: TBM

## Пружина средней нагрузки

**Цвет: Синий**




Простым умножением коэффициента упругости (R) на величину сжатия / нагрузки (мм) достигается значение усилия пружины.
Пример: R x (A.B.C)

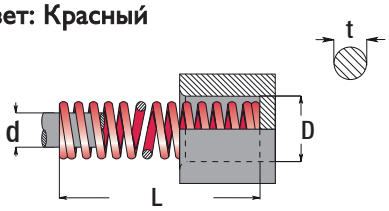
Nw - Newton = (0.102) Kgf

| D Outer Dia. | d Rod Dia. | L Length | R Load Rate | A Long Life % 25 | B Min. Deflect. % 30 | C Max. Deflect. % 37.5 | D Full Deflect. Breakable |
|---|---|---|---|---|---|---|---|
| t | | mm | Nw. | mm | mm | mm | mm |
| 10 | 5 | 25 | 12.3 | 6.3 | 7.5 | 9.4 | 10.4 |
| | | 32 | 9.5 | 8.0 | 9.6 | 12.0 | 13.2 |
| | | 38 | 7.8 | 9.5 | 11.4 | 14.3 | 16.0 |
| | | 44 | 6.5 | 11.0 | 13.2 | 16.5 | 18.5 |
| | | 51 | 5.6 | 12.8 | 15.3 | 19.1 | 21.1 |
| | | 64 | 4.5 | 16.0 | 19.2 | 24.0 | 26.4 |
| | | 76 | 3.7 | 19.0 | 22.8 | 28.5 | 31.8 |
| 1.5 | | 305 | 0.9 | 76.3 | 91.5 | 114 | 129 |
| 13 | 6.3 | 25 | 21.7 | 6.3 | 7.5 | 9.4 | 11.2 |
| | | 32 | 16.8 | 8.0 | 9.6 | 12.0 | 14.0 |
| | | 38 | 13.8 | 9.5 | 11.4 | 14.3 | 17.3 |
| | | 44 | 11.6 | 11.0 | 13.2 | 16.5 | 19.8 |
| | | 51 | 10.0 | 12.8 | 15.3 | 19.1 | 22.9 |
| | | 64 | 7.8 | 16.0 | 19.2 | 24.0 | 28.4 |
| | | 76 | 6.4 | 19.0 | 22.8 | 28.5 | 34.3 |
| | | 89 | 5.6 | 22.3 | 26.7 | 33.4 | 41.4 |
| 1.8 | | 305 | 1.5 | 76.3 | 91.5 | 114 | 139 |
| 16 | 8 | 25 | 31.9 | 6.3 | 7.5 | 9.4 | 10.9 |
| | | 32 | 24.0 | 8.0 | 9.6 | 12.0 | 13.7 |
| | | 38 | 19.4 | 9.5 | 11.4 | 14.3 | 16.5 |
| | | 44 | 16.1 | 11.0 | 13.2 | 16.5 | 19.3 |
| | | 51 | 13.8 | 12.8 | 15.3 | 19.1 | 22.1 |
| | | 64 | 10.7 | 16.0 | 19.2 | 24.0 | 27.4 |
| | | 76 | 8.8 | 19.0 | 22.8 | 28.5 | 33.0 |
| | | 89 | 7.5 | 22.3 | 26.7 | 33.4 | 38.6 |
| | | 102 | 6.5 | 25.5 | 30.6 | 38.3 | 44.5 |
| 2.2 | | 305 | 2.1 | 76.3 | 91.5 | 114 | 134 |

Код: TRK

## Пружина с большой нагрузкой

**Цвет: Красный**




Простым умножением коэффициента упругости (R) на величину сжатия / нагрузки (мм) достигается значение усилия пружины.
Пример: R x (A.B.C)

Nw - Newton = (0.102) Kgf

| D Outer Dia. | d Rod Dia. | L Length | R Load Rate | A Long Life % 20 | B Min. Deflect. % 25 | C Max. Deflect. % 30 | D Full Deflect. Breakable |
|---|---|---|---|---|---|---|---|
| t | | mm | Nw. | mm | mm | mm | mm |
| 10 | 5 | 25 | 20.7 | 5.0 | 6.3 | 7.5 | 8.6 |
| | | 32 | 16.1 | 6.4 | 8.0 | 9.6 | 10.9 |
| | | 38 | 13.0 | 7.6 | 9.5 | 11.4 | 13.2 |
| | | 44 | 10.9 | 8.8 | 11.0 | 13.2 | 14.7 |
| | | 51 | 9.6 | 10.2 | 12.8 | 15.3 | 17.8 |
| | | 64 | 7.7 | 12.8 | 16.0 | 19.2 | 22.9 |
| | | 76 | 6.3 | 15.2 | 19.0 | 22.8 | 26.9 |
| 1.6 | | 305 | 1.5 | 61.0 | 76.3 | 91.5 | 110 |
| 13 | 6.3 | 25 | 37.5 | 5.0 | 6.3 | 7.5 | 8.9 |
| | | 32 | 28.9 | 6.4 | 8.0 | 9.6 | 11.2 |
| | | 38 | 23.5 | 7.6 | 9.5 | 11.4 | 13.7 |
| | | 44 | 19.6 | 8.8 | 11.0 | 13.2 | 15.7 |
| | | 51 | 17.3 | 10.2 | 12.8 | 15.3 | 18.8 |
| | | 64 | 13.5 | 12.8 | 16.0 | 19.2 | 23.6 |
| | | 76 | 11.2 | 15.2 | 19.0 | 22.8 | 28.4 |
| | | 89 | 9.5 | 17.8 | 22.3 | 26.7 | 33.0 |
| 2.2 | | 305 | 2.7 | 61.0 | 76.3 | 91.5 | 114 |
| 16 | 8 | 25 | 81.6 | 5.0 | 6.3 | 7.5 | 9.1 |
| | | 32 | 61.3 | 6.4 | 8.0 | 9.6 | 11.4 |
| | | 38 | 49.9 | 7.6 | 9.5 | 11.4 | 14.2 |
| | | 44 | 40.8 | 8.8 | 11.0 | 13.2 | 16.3 |
| | | 51 | 35.6 | 10.2 | 12.8 | 15.3 | 18.8 |
| | | 64 | 27.8 | 12.8 | 16.0 | 19.2 | 23.9 |
| | | 76 | 22.8 | 15.2 | 19.0 | 22.8 | 29.0 |
| | | 89 | 19.6 | 17.8 | 22.3 | 26.7 | 34.3 |
| | | 102 | 17.0 | 20.4 | 25.5 | 30.6 | 39.4 |
| 2.8 | | 305 | 5.4 | 61.0 | 76.3 | 91.5 | 119 |