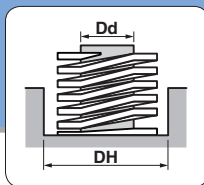




# ISO ばね 中荷重

## TJM MIDDLE RANGE LOADS ISO 10243

### COIL SPRING



| Dd<br>(mm)    | ばね定数<br>N/mm (kgf/mm) | 自由長×25%<br>300万回 |               | 自由長×30%<br>150万回 |               | 自由長×33.75%<br>50万回 |               | 自由長×37.5%<br>20万回 |               | たわみ<br>限界<br>(mm) | Catalog<br>No. | DH<br>(mm) | 自由長<br>L<br>(mm) |     |
|---------------|-----------------------|------------------|---------------|------------------|---------------|--------------------|---------------|-------------------|---------------|-------------------|----------------|------------|------------------|-----|
|               |                       | たわみ<br>(mm)      | 荷重<br>N (kgf) | たわみ<br>(mm)      | 荷重<br>N (kgf) | たわみ<br>(mm)        | 荷重<br>N (kgf) | たわみ<br>(mm)       | 荷重<br>N (kgf) |                   |                |            |                  |     |
|               | 208.3 {21.24}         | 16.0             |               | 19.2             |               | 21.6               |               | 24.0              |               | 24.2              |                |            | 64               |     |
|               | 175.4 {17.89}         | 19.0             |               | 22.8             |               | 25.7               |               | 28.5              |               | 29.3              |                |            | 76               |     |
|               | 149.8 {15.27}         | 22.3             |               | 26.7             |               | 30.0               |               | 33.4              |               | 34.6              |                |            | 89               |     |
|               | 130.7 {13.33}         | 25.5             |               | 30.6             |               | 34.4               |               | 38.3              |               | 41.1              |                |            | 102              |     |
|               | 115.9 {11.82}         | 28.8             |               | 34.5             |               | 38.8               |               | 43.1              |               | 46.4              |                |            | 115              |     |
| 25            | 105.0 {10.71}         | 31.8             | 3333          | 38.1             | 4000          | 42.9               | 4500          | 47.6              | 5000          | 51.6              |                |            | 127              |     |
|               | 95.9 {9.78}           | 34.8             | {340}         | 41.7             | {408}         | 46.9               | {459}         | 52.1              | {510}         | 56.9              |                | 50         | 139              |     |
|               | 87.7 {8.94}           | 38.0             |               | 45.6             |               | 51.3               |               | 57.0              |               | 62.8              |                |            | 152              |     |
|               | 74.9 {7.63}           | 44.5             |               | 53.4             |               | 60.1               |               | 66.8              |               | 74.6              |                |            | 178              |     |
|               | 65.7 {6.70}           | 50.8             |               | 60.9             |               | 68.5               |               | 76.1              |               | 85.8              |                |            | 203              |     |
|               | 58.2 {5.93}           | 57.3             |               | 68.7             |               | 77.3               |               | 85.9              |               | 99.1              |                |            | 229              |     |
|               | 52.5 {5.35}           | 63.5             |               | 76.2             |               | 85.7               |               | 95.3              |               | 108.7             |                |            | 254              |     |
|               | 43.7 {4.45}           | 76.3             |               | 91.5             |               | 102.9              |               | 114.4             |               | 131.7             | TJM            |            |                  | 305 |
|               | 280.7 {28.63}         | 19.0             |               | 22.8             |               | 25.7               |               | 28.5              |               | 28.6              |                |            |                  | 76  |
|               | 239.7 {24.44}         | 22.3             |               | 26.7             |               | 30.0               |               | 33.4              |               | 34.4              |                |            |                  | 89  |
| 209.2 {21.33} | 25.5                  |                  | 30.6          |                  | 34.4          |                    | 38.3          |                   | 40.5          |                   |                |            | 102              |     |
| 185.5 {18.92} | 28.8                  |                  | 34.5          |                  | 38.8          |                    | 43.1          |                   | 43.9          |                   |                |            | 115              |     |
| 38            | 168.0 {17.13}         | 31.8             | 5333          | 38.1             | 6400          | 42.9               | 7200          | 47.6              | 8000          | 49.9              |                |            | 127              |     |
|               | 140.4 {14.32}         | 38.0             | {544}         | 45.6             | {652.8}       | 51.3               | {734.4}       | 57.0              | {816}         | 61.0              |                | 63         | 152              |     |
|               | 119.9 {12.22}         | 44.5             |               | 53.4             |               | 60.1               |               | 66.8              |               | 72.9              |                |            | 178              |     |
|               | 105.1 {10.72}         | 50.8             |               | 60.9             |               | 68.5               |               | 76.1              |               | 84.1              |                |            | 203              |     |
|               | 93.2 {9.50}           | 57.3             |               | 68.7             |               | 77.3               |               | 85.9              |               | 96.4              |                |            | 229              |     |
|               | 84.0 {8.56}           | 63.5             |               | 76.2             |               | 85.7               |               | 95.3              |               | 108.1             |                |            | 254              |     |
|               | 69.9 {7.12}           | 76.3             |               | 91.5             |               | 102.9              |               | 114.4             |               | 131.1             |                |            | 305              |     |



Order

Catalog No.

TJM

DH

50

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L

64

\* 1N=0.1daN=0.102kg 1mm=0.0394in.



たわみ限界について  
密着長に近いたわみになります。  
参考値になりますのでご注意ください。