

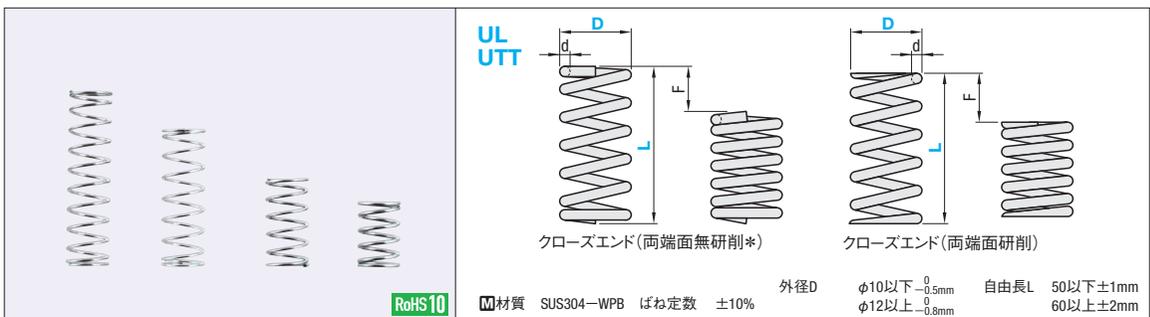
# WIRE SPRINGS -STAINLESS TYPE- 丸線コイルスプリング -外径基準ステンレスタイプ-

価格改訂

大口対応  
BIG ORDER

□:値下げ価格  
■:新価格  
○:スライド値引変更

CADデータフォルダ名: 37\_Springs



### UL:Fmax.(許容たわみ量)=L×40%

| 型式<br>Type D-L | d    | 密着長<br>(参考値) | F<br>max. | N {kgf}<br>max. | ¥基準単価 |     |
|----------------|------|--------------|-----------|-----------------|-------|-----|
| UL 2- 5*       | 0.2  | 1.65         | 2         | 0.98 [0.1]      | 300   |     |
| 10*            | 0.26 | 5.07         | 4         | 1.96 [0.2]      |       |     |
| 15*            | 0.26 | 5.07         | 6         | 2.94 [0.3]      |       |     |
| 20*            | 0.3  | 9.9          | 8         | 3.92 [0.4]      |       |     |
| 25*            | 0.32 | 14.1         | 10        | 4.90 [0.5]      |       |     |
| 30*            | 0.32 | 14.1         | 12        | 5.88 [0.6]      | 360   |     |
| UL 3- 5*       | 0.30 | 2            | 2         | 2.0 [0.2]       | 140   |     |
| 10*            | 0.35 | 3.7          | 4         | 3.9 [0.4]       |       |     |
| 15*            | 0.4  | 6.6          | 6         | 5.9 [0.6]       |       |     |
| 20*            | 0.4  | 6.6          | 8         | 7.8 [0.8]       |       |     |
| 25*            | 0.45 | 11.7         | 10        | 9.8 [1]         |       |     |
| 30*            | 0.45 | 11.7         | 12        | 11.8 [1.2]      | 150   |     |
| 35*            | 0.45 | 11.7         | 14        | 13.7 [1.4]      | 150   |     |
| 40*            | 0.5  | 20           | 16        | 15.7 [1.6]      |       |     |
| UL 4- 5*       | 0.35 | 2.1          | 2         | 2.0 [0.2]       |       | 150 |
| 10*            | 0.45 | 5.3          | 4         | 3.9 [0.4]       |       |     |
| 15*            | 0.45 | 5.3          | 6         | 5.9 [0.6]       |       |     |
| 20*            | 0.5  | 8            | 8         | 7.8 [0.8]       |       |     |
| 25*            | 0.5  | 8            | 10        | 9.8 [1]         |       |     |
| 30*            | 0.55 | 12.7         | 12        | 11.8 [1.2]      | 150   |     |
| 35*            | 0.55 | 12.7         | 14        | 13.7 [1.4]      |       |     |
| 40             | 0.6  | 19.8         | 16        | 15.7 [1.6]      |       |     |
| 45             | 0.6  | 19.8         | 18        | 17.7 [1.8]      |       |     |
| 50             | 0.6  | 19.8         | 20        | 19.6 [2]        |       |     |
| 60             | 0.65 | 29.9         | 24        | 23.5 [2.4]      | 150   |     |
| UL 5- 5*       | 0.4  | 2.2          | 2         | 2.0 [0.2]       |       | 150 |
| 10*            | 0.5  | 4.75         | 4         | 3.9 [0.4]       |       |     |
| 15*            | 0.5  | 4.75         | 6         | 5.9 [0.6]       |       |     |
| 20*            | 0.55 | 6.88         | 8         | 7.8 [0.8]       |       |     |
| 25*            | 0.55 | 6.88         | 10        | 9.8 [1]         |       |     |
| 30             | 0.65 | 14.95        | 12        | 11.8 [1.2]      | 160   |     |
| 35             | 0.65 | 14.95        | 14        | 13.7 [1.4]      |       |     |
| 40             | 0.65 | 14.95        | 16        | 15.7 [1.6]      |       |     |
| 45             | 0.7  | 21.7         | 18        | 17.7 [1.8]      |       |     |
| 50             | 0.7  | 21.7         | 20        | 19.6 [2]        |       |     |
| 60             | 0.75 | 30.75        | 24        | 23.5 [2.4]      | 180   |     |
| UL 6- 5*       | 0.45 | 2.3          | 2         | 2.0 [0.2]       | 150   |     |
| 10*            | 0.55 | 4.4          | 4         | 3.9 [0.4]       |       |     |
| 15*            | 0.55 | 4.4          | 6         | 5.9 [0.6]       |       |     |
| 20             | 0.65 | 8.5          | 8         | 7.8 [0.8]       |       |     |
| 25             | 0.65 | 8.5          | 10        | 9.8 [1]         |       |     |
| 30             | 0.7  | 12.6         | 12        | 11.8 [1.2]      | 160   |     |
| 35             | 0.7  | 12.6         | 14        | 13.7 [1.4]      |       |     |
| 40             | 0.7  | 12.6         | 16        | 15.7 [1.6]      |       |     |
| 45             | 0.75 | 17.3         | 18        | 17.7 [1.8]      |       |     |
| 50             | 0.75 | 17.3         | 20        | 19.6 [2]        |       |     |
| 60             | 0.8  | 24.8         | 24        | 23.5 [2.4]      | 180   |     |
| 70             | 0.8  | 24.8         | 28        | 27.5 [2.8]      |       |     |

●巻数の算出方法(参考値):  
総巻数=密着長÷線径(d)-1  
有効巻数=総巻数-2  
※巻数は参考値です。ロットによって多少のばらつきがあります。

○密着長は参考値です。ロットによって多少のばらつきがあります。また、密着長までたわませて使用すると、ばねが変形したり、少ない使用回数で破損したりする可能性があります。必ず許容たわみ量F max.(mm)以下でご使用ください。

| 型式<br>Type D-L | d    | 密着長<br>(参考値) | F<br>max. | N {kgf}<br>max. | ¥基準単価 |     |
|----------------|------|--------------|-----------|-----------------|-------|-----|
| UL 8- 10       | 0.65 | 4.6          | 4         | 3.9 [0.4]       | 180   |     |
| 15             | 0.75 | 8.3          | 6         | 5.9 [0.6]       |       |     |
| 20             | 0.75 | 8.3          | 8         | 7.8 [0.8]       |       |     |
| 25             | 0.75 | 8.3          | 10        | 9.8 [1]         |       |     |
| 30             | 0.8  | 10.4         | 12        | 11.8 [1.2]      |       |     |
| 35             | 0.8  | 10.4         | 14        | 13.7 [1.4]      | 190   |     |
| 40             | 0.8  | 10.4         | 16        | 15.7 [1.6]      |       |     |
| 45             | 0.85 | 14.5         | 18        | 17.7 [1.8]      |       |     |
| 50             | 0.85 | 14.5         | 20        | 19.6 [2]        |       |     |
| 60             | 0.9  | 18           | 24        | 23.5 [2.4]      |       |     |
| 70             | 1.0  | 30           | 28        | 27.5 [2.8]      | 200   |     |
| 80             | 1.0  | 30           | 32        | 31.4 [3.2]      |       |     |
| UL 10- 10      | 0.75 | 4.7          | 4         | 3.9 [0.4]       |       | 200 |
| 15             | 0.8  | 6.2          | 6         | 5.9 [0.6]       |       |     |
| 20             | 0.8  | 6.2          | 8         | 7.8 [0.8]       |       |     |
| 25             | 0.9  | 9.5          | 10        | 9.8 [1]         |       |     |
| 30             | 0.9  | 9.5          | 12        | 11.8 [1.2]      |       |     |
| 35             | 0.9  | 9.5          | 14        | 13.7 [1.4]      | 200   |     |
| 40             | 1.0  | 15.5         | 16        | 15.7 [1.6]      |       |     |
| 45             | 1.0  | 15.5         | 18        | 17.7 [1.8]      |       |     |
| 50             | 1.0  | 15.5         | 20        | 19.6 [2]        |       |     |
| 60             | 1.1  | 23.7         | 24        | 23.5 [2.4]      |       |     |
| 70             | 1.1  | 23.7         | 28        | 27.5 [2.8]      | 210   |     |
| 80             | 1.1  | 23.7         | 32        | 31.4 [3.2]      |       |     |
| UL 12- 15      | 0.9  | 6.75         | 6         | 5.9 [0.6]       |       | 360 |
| 20             | 1    | 10           | 8         | 7.8 [0.8]       |       |     |
| 25             | 1    | 10           | 10        | 9.8 [1.0]       |       |     |
| 30             | 1.1  | 14.85        | 12        | 11.8 [1.2]      |       |     |
| 35             | 1.1  | 14.85        | 14        | 13.7 [1.4]      |       |     |
| 40             | 1.2  | 21.6         | 16        | 15.7 [1.6]      | 380   |     |
| 45             | 1.2  | 21.6         | 18        | 17.7 [1.8]      |       |     |
| 50             | 1.2  | 21.6         | 20        | 19.6 [2.0]      |       |     |
| 60             | 1.3  | 32.5         | 24        | 23.5 [2.4]      |       |     |
| 70             | 1.3  | 32.5         | 28        | 27.5 [2.8]      |       |     |
| 80             | 1.4  | 46.2         | 32        | 31.4 [3.2]      | 430   |     |

Alteration 追加加工

型式 (LKC)  
UL6-20 - LKC

5 日目出荷

※3本以上で1明細行当たり一律540円

※P134

| Alterations | Code                        | Spec.                    | ¥/1Code                                   |                        |
|-------------|-----------------------------|--------------------------|---|------------------------|
| LKC         | LKC                         | 自由長、ばね定数の公差を変更します。(下表参照) | 左表参照<br>表記価格は本体価格です。<br>加算する<br>必要はありません。 |                        |
|             |                             | 型式                       |   | L                      |
|             |                             | Type D                   |   | 5mm単位指定 追加加工 公差        |
|             |                             | 5                        |   | 30~50 ±0.5 400 266 205 |
|             |                             |                          |   | 60 ±0.8 430 296 230    |
|             |                             |                          |   | 20 ±0.4 470 306 240    |
|             |                             | 6                        |   | 25~50 ±0.5 480 326 250 |
|             |                             |                          |   | 60~70 ±0.8 540 363 280 |
|             |                             |                          |   | 10~20 ±0.4 490 326 255 |
|             |                             | 8                        |   | 25~50 ±0.5 620 413 320 |
|             |                             |                          |   | 60~70 ±0.8 660 443 340 |
|             |                             | 12                       |   | 15~30 ±0.5 740 493 380 |
| 13          | 35~50 ±0.5 780 523 405      |                          |   |                        |
| 16          | 60~70・80 ±0.8 850 573 445   |                          |   |                        |
|             | 20~30 ±0.5 880 579 450      |                          |   |                        |
| 20          | 35~50 ±0.5 970 650 506      |                          |   |                        |
|             | 60~70・80 ±0.8 1,100 740 576 |                          |   |                        |

●両端面研削仕上げです。○表示数量超えはWOSにてご確認ください。  
○D5以上に適用。

### UTT:Fmax.(許容たわみ量)=L×Fa%

| 型式<br>Type D-L | d    | 密着長<br>(参考値) | F<br>max. | N {kgf}<br>Max. | Fa% | ¥基準単価 |     |
|----------------|------|--------------|-----------|-----------------|-----|-------|-----|
| UTT 3- 5*      | 0.35 | 2.8          | 2         | 2.9 [0.3]       | 40  | 170   |     |
| 10*            | 0.4  | 4.8          | 4         | 5.9 [0.6]       |     |       |     |
| 15*            | 0.45 | 8.3          | 6         | 8.8 [0.9]       |     |       |     |
| 20*            | 0.45 | 8.3          | 8         | 11.8 [1.2]      |     |       |     |
| 25*            | 0.5  | 14           | 10        | 14.7 [1.5]      |     |       |     |
| 30*            | 0.5  | 14           | 12        | 17.7 [1.8]      | 200 |       |     |
| UTT 4- 5*      | 0.4  | 2.6          | 2         | 2.9 [0.3]       | 40  | 180   |     |
| 10*            | 0.45 | 3.9          | 4         | 5.9 [0.6]       |     |       |     |
| 15*            | 0.5  | 6            | 6         | 8.8 [0.9]       |     |       |     |
| 20*            | 0.55 | 9.4          | 8         | 11.8 [1.2]      |     |       |     |
| 25             | 0.6  | 14.4         | 10        | 14.7 [1.5]      |     |       |     |
| 30             | 0.6  | 14.4         | 10        | 14.7 [1.5]      | 33  | 200   |     |
| UTT 5- 5*      | 0.45 | 2.6          | 2         | 2.9 [0.3]       | 40  | 180   |     |
| 10*            | 0.5  | 3.6          | 4         | 5.9 [0.6]       |     |       |     |
| 15             | 0.6  | 7.5          | 6         | 8.8 [0.9]       |     |       |     |
| 20             | 0.6  | 7.5          | 8         | 11.8 [1.2]      |     |       |     |
| 25             | 0.65 | 10.7         | 10        | 14.7 [1.5]      |     |       |     |
| 30             | 0.7  | 15.4         | 12        | 17.7 [1.8]      | 210 |       |     |
| 35             | 0.7  | 15.4         | 14        | 20.6 [2.1]      |     |       |     |
| UTT 6- 5*      | 0.5  | 2.4          | 2         | 3.9 [0.4]       |     | 40    | 200 |
| 10             | 0.6  | 4.2          | 4         | 7.8 [0.8]       |     |       |     |
| 15             | 0.7  | 7.4          | 6         | 11.8 [1.2]      |     |       |     |
| 20             | 0.7  | 7.4          | 8         | 15.7 [1.6]      |     |       |     |
| 25             | 0.8  | 13.6         | 10        | 19.6 [2.0]      |     |       |     |
| 30             | 0.8  | 13.6         | 12        | 23.5 [2.4]      | 250 |       |     |
| 35             | 0.85 | 17.5         | 14        | 27.5 [2.8]      |     |       |     |
| 40             | 0.9  | 23.4         | 16        | 31.4 [3.2]      |     |       |     |
| 45             | 0.9  | 23.4         | 18        | 35.3 [3.6]      |     |       |     |
| 50             | 0.9  | 23.4         | 18        | 35.3 [3.6]      |     | 36    | 280 |
| 60             | 1.0  | 41           | 24        | 47.1 [4.8]      | 34  | 310   |     |
| 70             | 1.0  | 41           | 24        | 47.1 [4.8]      |     |       |     |

Order 注文例

型式  
UL16-80  
UTT16-80

Delivery 在庫品 翌日出荷  
出荷日 数量 P133

○ご希望によりPM6:00迄、  
当日出荷受付致します。

大口 数量 +4 日目出荷 数量  
出荷日 200~500

○ストック対応なし

Price 数量スライド価格 (○1円未満切り捨て) P133

| 数量区分 | 標準対応                        | 個別対応 |
|------|-----------------------------|------|
| 数量   | 1~3 4~9 10~199 200~500 501~ |      |
| 値引率  | 基準単価 30% 40% 40%            |      |
| 出荷日  | 通常 +4日                      | お見積り |

○表示数量超えはWOSにてご確認ください。

Alteration 追加加工

型式 (LKC)  
UTT6-35 - LKC

5 日目出荷

※3本以上で1明細行当たり一律540円

※P134

| 型式<br>Type D-L | d    | 密着長<br>(参考値) | F<br>max. | N {kgf}<br>Max. | Fa% | ¥基準単価 |     |     |
|----------------|------|--------------|-----------|-----------------|-----|-------|-----|-----|
| UTT 8- 10      | 0.75 | 5.3          | 4         | 7.8 [0.8]       | 220 | 440   |     |     |
| 15             | 0.75 | 5.3          | 6         | 11.8 [1.2]      |     |       |     |     |
| 20             | 0.9  | 10.4         | 8         | 15.7 [1.6]      |     |       |     |     |
| 25             | 0.9  | 10.4         | 10        | 19.6 [2.0]      |     |       |     |     |
| 30             | 1.0  | 17           | 12        | 23.5 [2.4]      |     |       |     |     |
| 35             | 1.0  | 17           | 14        | 27.5 [2.8]      | 40  | 270   |     |     |
| 40             | 1.0  | 17           | 16        | 31.4 [3.2]      |     |       |     |     |
| 45             | 1.1  | 25.3         | 18        | 35.3 [3.6]      |     |       |     |     |
| 50             | 1.1  | 25.3         | 20        | 39.2 [4.0]      |     |       |     |     |
| 60             | 1.1  | 25.3         | 24        | 47.1 [4.8]      |     |       |     |     |
| 70             | 1.2  | 39.6         | 28        | 54.9 [5.6]      | 280 | 480   |     |     |
| UTT 10- 10     | 0.85 | 5.1          | 4         | 7.8 [0.8]       |     |       | 270 | 500 |
| 15             | 0.85 | 5.1          | 6         | 11.8 [1.2]      |     |       |     |     |
| 20             | 1.0  | 9.5          | 8         | 15.7 [1.6]      |     |       |     |     |
| 25             | 1.0  | 9.5          | 10        | 19.6 [2.0]      |     |       |     |     |
| 30             | 1.1  | 14.3         | 12        | 23.5 [2.4]      |     |       |     |     |
| 35             | 1.1  | 14.3         | 14        | 27.5 [2.8]      | 40  | 300   |     |     |
| 40             | 1.2  | 20.4         | 16        | 31.4 [3.2]      |     |       |     |     |
| 45             | 1.2  | 20.4         | 18        | 35.3 [3.6]      |     |       |     |     |
| 50             | 1.2  | 20.4         | 20        | 39.2 [4.0]      |     |       |     |     |
| 60             | 1.3  | 29.9         | 24        | 47.1 [4.8]      |     |       |     |     |
| 70             | 1.4  | 43.4         | 24        | 47.1 [4.8]      | 34  | 310   |     |     |
| UTT 13- 15     | 1.0  | 5.75         | 6         | 11.8 [1.2]      |     |       | 310 | 570 |
| 20             | 1.2  | 10.5         | 8         | 15.7 [1.6]      |     |       |     |     |
| 25             | 1.2  | 10.5         | 10        | 19.6 [2.0]      |     |       |     |     |
| 30             | 1.3  | 15           | 12        | 23.5 [2.4]      |     |       |     |     |
| 35             | 1.3  | 15           | 14        | 27.5 [2.8]      |     |       |     |     |
| 40             | 1.4  | 20.3         | 16        | 31.4 [3.2]      | 40  | 320   |     |     |
| 45             | 1.4  | 20.3         | 18        | 35.3 [3.6]      |     |       |     |     |
| 50             | 1.5  | 27.8         | 20        | 39.2 [4.0]      |     |       |     |     |
| 60             | 1.5  | 27.8         | 24        | 47.1 [4.8]      |     |       |     |     |
| 70             | 1.6  | 38.4         | 28        | 54.9 [5.6]      |     |       |     |     |
| 80             | 1.6  | 38.4         | 32        | 62.8 [6.4]      | 400 |       |     |     |

ばね定数 N/mm {kgf/mm}

○D12はUY・UR・UF・UL・UBBタイプのみです。D14はUBBタイプのみです。

| Type  | UV           | UY           | UR          | UF          | UL         | UTT        | UM        | UH         | UBB        |
|-------|--------------|--------------|-------------|-------------|------------|------------|-----------|------------|------------|
| 2     |              |              |             |             |            |            |           |            |            |
| 3     |              | 0.05 {0.005} | 0.2 {0.02}  | 0.3 {0.03}  | 0.5 {0.05} |            |           |            |            |
| 4     |              |              |             |             |            | 1.5 {0.15} |           |            |            |
| 5     | 0.05 {0.005} | 0.098 {0.01} |             |             |            |            | 2.0 {0.2} | 2.9 {0.3}  | 4.9 {0.5}  |
| 6     |              |              |             |             |            |            |           |            |            |
| 8     |              |              | 0.29 {0.03} | 0.49 {0.05} | 0.98 {0.1} |            |           | 5.9 {0.6}  | 9.8 {1.0}  |
| 10    |              |              |             |             |            | 2.0 {0.2}  | 2.9 {0.3} |            |            |
| 12    |              |              |             |             |            |            |           |            |            |
| 13    |              | 0.2 {0.02}   |             |             |            |            |           | 9.8 {1.0}  | 19.6 {2.0} |
| 14    |              |              |             |             |            |            |           |            |            |
| 16    |              |              |             |             |            |            |           |            |            |
| 20    |              | 0.3 {0.03}   | 0.5 {0.05}  | 0.98 {0.1}  | 2.9 {0.3}  | 3.9 {0.4}  | 4.9 {0.5} | 14.7 {1.5} | 29.4 {3.0} |
| Fmax. | F=L×70%      | F=L×Fa%      | F=L×Fa%     | F=L×45%     | F=L×40%    | F=L×Fa%    | F=L×Fa%   | F=L×Fa%    | F=L×Fa%    |

| Alterations | Code                        | Spec.                    | ¥/1Code                                   |                           |
|-------------|-----------------------------|--------------------------|---|---------------------------|
| LKC         | LKC                         | 自由長、ばね定数の公差を変更します。(下表参照) | 左表参照<br>表記価格は本体価格です。<br>加算する<br>必要はありません。 |                           |
|             |                             | 型式                       |   | L                         |
|             |                             | Type D                   |   | 5mm単位指定 追加加工 公差           |
|             |                             | 5                        |   | 15~20 ±0.4 580 352 322    |
|             |                             |                          |   | 25~30 ±0.5 680 422 379    |
|             |                             | 6                        |   | 10~20 ±0.4 680 422 379    |
|             |                             |                          |   | 25~50 ±0.5 730 442 402    |
|             |                             | 8                        |   | 80~70 ±0.8 780 492 456    |
|             |                             | 10                       |   | 15~30 ±0.5 880 559 506    |
|             |                             |                          |   | 35~50 ±0.5 920 589 535    |
|             |                             | 13                       |   | 60~70・80 ±0.8 950 650 588 |
|             |                             | 16                       |   | 20~30 ±0.5 1,070 658 592  |
|             | 35~50 ±0.5 1,150 708 638    |                          |   |                           |
| 20          | 60~70・80 ±0.8 1,320 804 730 |                          |   |                           |

○両端面研削仕上げです。○表示数量超えはWOSにてご確認ください。  
○D5以上に適用。

37 丸線コイルスプリング