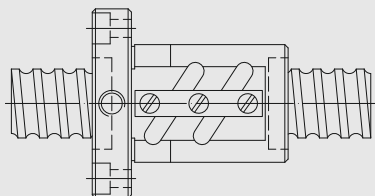


# Mechanizmy śrubowo-toczne

## Spis typów nakrętek

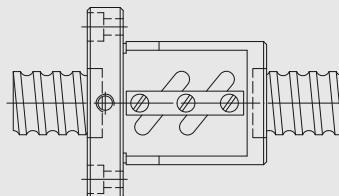
### 6. Mechanizmy śrubowo toczne szlifowane precyzyjnie

**FSV** strona 40 – 42, 94, 129



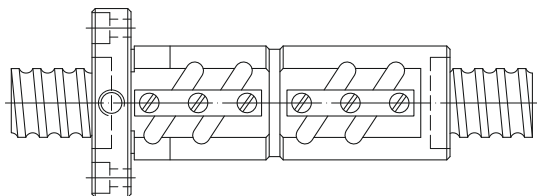
Wersja kotnierzowa  
Nakrętka pojedyncza  
Rurki poza nakrętką

**FSW** strona 43 – 45, 125



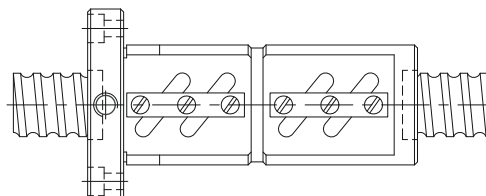
Wersja kotnierzowa  
Nakrętka pojedyncza  
Rurki wewnątrz nakrętki

**FDV** strona 46 – 48



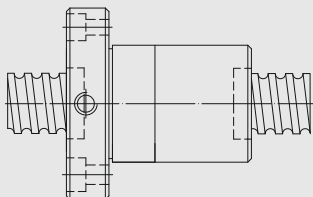
Wersja kotnierzowa  
Nakrętka podwójna  
Rurki poza nakrętką

**FDW** strona 49 – 52



Wersja kotnierzowa  
Nakrętka podwójna  
Rurki wewnątrz nakrętki

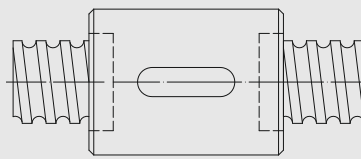
**FSI** strona 53 – 55



Wersja kotnierzowa  
Nakrętka pojedyncza  
Wewnętrzny mechanizm przekierowania

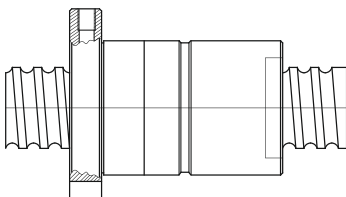
**RSI** strona 58 – 59 \*

**ZE, SE** strona 134, 136 \*



Typ cylindryczny  
Nakrętka pojedyncza  
Wewnętrzny mechanizm przekierowania

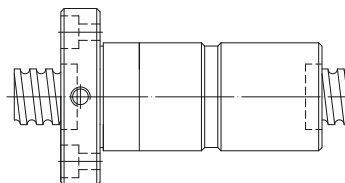
**FDC** strona 63 – 64



Wersja kotnierzowa  
Nakrętka podwójna  
Wewnętrzny mechanizm przekierowania

**FDI** strona 60 – 62

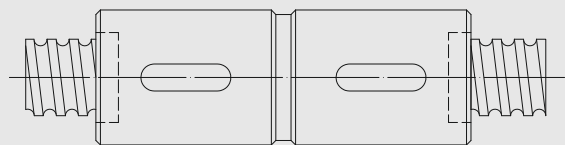
**DDB** strona 133 \*



Wersja kotnierzowa wg DIN 69051 część 5  
Nakrętka podwójna  
Wewnętrzny mechanizm przekierowania

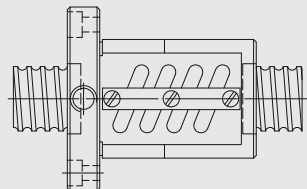
\* =Typy uprzywilejowane: szybki czas dostawy

**RDI** strona 65 – 66  
**ZD** strona 135 \*



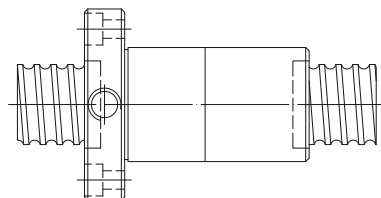
Typ cylindryczny  
Nakrętka podwójna  
Wewnętrzny mechanizm przekierowania

**OFSV** strona 67  
**OFSW** strona 68 – 69



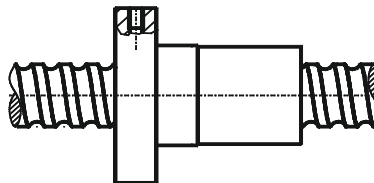
Wersja kotnierzowa  
Z naprężeniem wstępnym wskutek przesunięcia skoku gwintu, zewnętrzne rurki zwrotne

**OFSI** strona 70



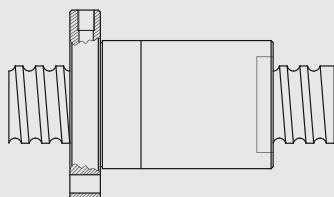
Wersja kotnierzowa  
Z naprężeniem wstępnym wskutek przesunięcia skoku gwintu,  
Wewnętrzny mechanizm przekierowania kulek

**FSI DIN** strona 131  
**DEB** strona 132 \*



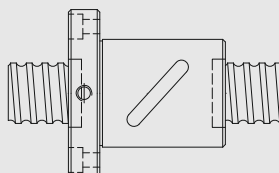
Wersja kotnierzowa wg DIN 69051 część 5  
Nakrętka pojedyncza  
wewnętrzny mechanizm przekierowania kulek

**FSC** strona 56 – 57



Wersja kotnierzowa  
Nakrętka pojedyncza  
Z przekierowaniem kasetowym

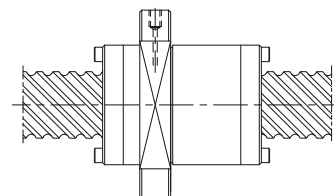
**FSB** strona 128



Wersja kotnierzowa  
Nakrętka pojedyncza  
Rurka zwrotna zalana masą uszczelniającą

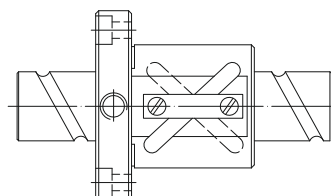
**Wersja z dużym skokiem gwintu**

**FSH** strona 71, 130



Duży skok gwintu, wersja kotnierzowa,  
nakrętka pojedyncza, mechanizm przekierowania z osłonami krańcowymi

**DFSV** strona 72

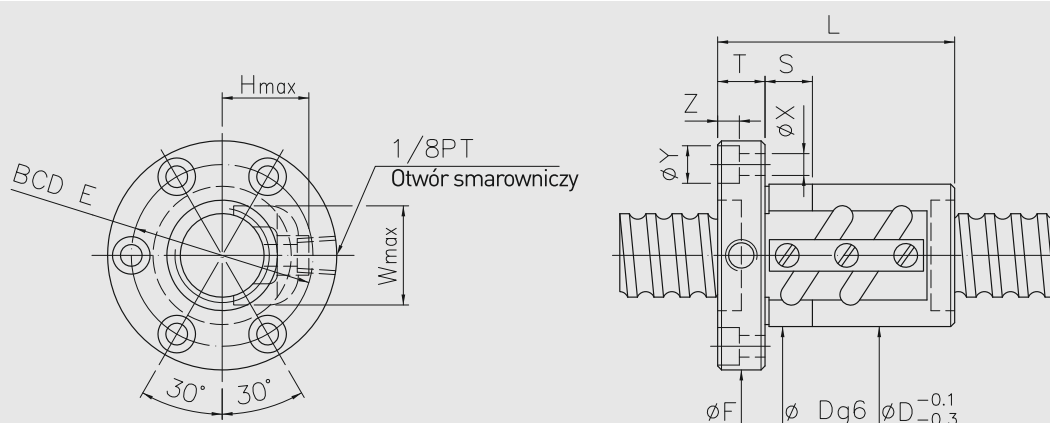


Typ dwuzwojowy, wersja kotnierzowa,  
nakrętka pojedyncza, rurki poza nakrętki

# Mechanizmy śrubowo-toczne

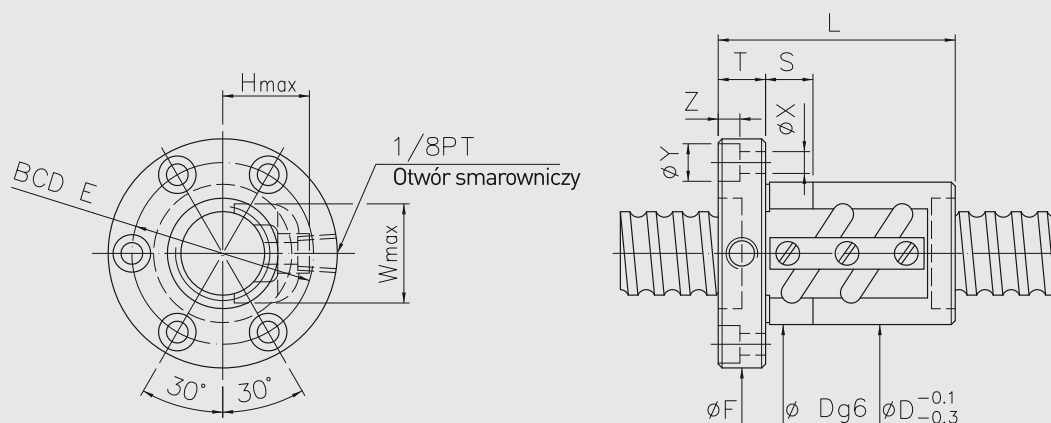
## Szlifowane precyzyjnie

### Typ FSV



| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>Co [N] | Nakrętka |    | Kołnierz |    |       | Rurka<br>zwrotna |     | Śruba |     |     | Pasowanie |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------|----------|----|----------|----|-------|------------------|-----|-------|-----|-----|-----------|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                | D        | L  | F        | T  | BCD-E | W                | H   | X     | Y   | Z   |           |
| 16-4B2  | 16       | 4              | 2,381   | 2,5x2  | 260                   | 8020                           | 17220                          | 30       | 48 | 52       | 10 | 40    | 23               | 21  | 5,5   | 9,5 | 5,5 | 12        |
| 16-5B1  |          | 5              |         | 2,5x1  | 160                   | 7630                           | 14000                          | 31       | 45 | 54       | 12 | 41    | 27               | 22  | 5,5   | 9,5 | 5,5 | 12        |
| 16-5B2  |          |                |         | 2,5x2  | 330                   | 13850                          | 27990                          | 31       | 60 | 54       | 12 | 41    | 27               | 22  | 5,5   | 9,5 | 5,5 | 12        |
| 16-5C1  |          |                |         | 3,5x1  | 220                   | 10130                          | 19460                          | 31       | 50 | 54       | 12 | 41    | 27               | 22  | 5,5   | 9,5 | 5,5 | 12        |
| 16-10B1 |          | 10             | 3,175   | 2,5x1  | 160                   | 7630                           | 13990                          | 30       | 54 | 53       | 10 | 41    | 22,5             | 23  | 5,5   | 9,5 | 5,5 | 12        |
| 20-5B1  | 5        | 2,5x1          |         | 190    | 8370                  | 17330                          | 35                             | 45       | 58 | 12       | 46 | 27    | 25               | 5,5 | 9,5   | 5,5 | 12  |           |
| 20-5B2  |          | 2,5x2          |         | 390    | 15190                 | 34650                          | 35                             | 60       | 58 | 12       | 46 | 27    | 25               | 5,5 | 9,5   | 5,5 | 12  |           |
| 20-6B1  | 6        | 3,969          |         | 2,5x1  | 200                   | 11390                          | 21870                          | 36       | 48 | 60       | 12 | 47    | 28               | 27  | 5,5   | 9,5 | 5,5 | 12        |
| 20-6C1  |          |                |         | 3,5x1  | 280                   | 15120                          | 30410                          | 36       | 66 | 60       | 12 | 47    | 28               | 27  | 5,5   | 9,5 | 5,5 | 12        |
| 20-20A1 | 20       | 1,5x1          |         | 130    | 7190                  | 12810                          | 36                             | 66       | 60 | 12       | 47 | 28    | 27               | 5,5 | 9,5   | 5,5 | 12  |           |
| 25-5B2  | 25       | 5              | 3,175   | 2,5x2  | 460                   | 17040                          | 44170                          | 40       | 60 | 64       | 12 | 52    | 31               | 26  | 5,5   | 9,5 | 5,5 | 12        |
| 25-5C1  |          |                |         | 3,5x1  | 350                   | 12520                          | 30850                          | 40       | 50 | 64       | 12 | 52    | 31               | 26  | 5,5   | 9,5 | 5,5 | 12        |
| 25-6B2  |          | 6              | 3,969   | 2,5x2  | 480                   | 23080                          | 55230                          | 42       | 68 | 68       | 12 | 55    | 32               | 28  | 6,6   | 11  | 6,5 | 12        |
| 25-6C1  |          |                |         | 3,5x1  | 350                   | 16900                          | 38440                          | 42       | 55 | 68       | 12 | 55    | 32               | 28  | 6,6   | 11  | 6,5 | 12        |
| 25-8B2  |          | 8              | 4,763   | 2,5x2  | 460                   | 28880                          | 64720                          | 50       | 80 | 74       | 13 | 62    | 35               | 31  | 5,5   | 9,5 | 5,5 | 15        |
| 25-10B1 |          | 10             |         | 2,5x1  | 250                   | 15920                          | 32370                          | 45       | 65 | 72       | 16 | 58    | 34               | 29  | 6,6   | 11  | 6,5 | 12        |
| 25-10B2 |          |                |         | 2,5x2  | 460                   | 28880                          | 64720                          | 47       | 97 | 74       | 15 | 60    | 35               | 31  | 6,6   | 11  | 6,5 | 15        |
| 25-16B1 |          | 16             |         | 2,5x1  | 280                   | 15920                          | 32370                          | 45       | 84 | 72       | 16 | 58    | 34               | 29  | 6,6   | 11  | 6,5 | 12        |
| 25-20B1 |          | 20             |         | 2,5x1  | 280                   | 15920                          | 32370                          | 45       | 96 | 72       | 16 | 58    | 34               | 29  | 6,6   | 11  | 6,5 | 12        |
| 25-25A1 |          | 25             |         | 1,5x1  | 160                   | 10190                          | 19270                          | 45       | 90 | 72       | 16 | 58    | 34               | 29  | 6,6   | 11  | 6,5 | 12        |
| 28-5B1  | 28       | 5              | 3,175   | 2,5x1  | 260                   | 9840                           | 24660                          | 44       | 45 | 70       | 12 | 56    | 34               | 28  | 6,6   | 11  | 6,5 | 12        |
| 28-5B2  |          |                |         | 2,5x2  | 500                   | 17850                          | 49320                          | 44       | 60 | 70       | 12 | 56    | 34               | 28  | 6,6   | 11  | 6,5 | 12        |
| 28-6A2  |          | 6              |         | 1,5x2  | 290                   | 11500                          | 29600                          | 44       | 55 | 70       | 12 | 56    | 34               | 28  | 6,6   | 11  | 6,5 | 12        |
| 28-6B2  |          |                |         | 2,5x2  | 180                   | 17840                          | 49320                          | 50       | 61 | 74       | 12 | 60    | 36               | 29  | 6,6   | 11  | 6,5 | 15        |
| 32-5B2  | 32       | 5              | 3,969   | 2,5x2  | 550                   | 18860                          | 56660                          | 50       | 60 | 76       | 12 | 63    | 38               | 30  | 6,6   | 11  | 6,5 | 12        |
| 32-5C1  |          |                |         | 3,5x1  | 390                   | 13880                          | 39670                          | 50       | 50 | 76       | 12 | 63    | 38               | 30  | 6,6   | 11  | 6,5 | 12        |
| 32-6B2  |          | 6              |         | 2,5x2  | 560                   | 25560                          | 70200                          | 52       | 68 | 78       | 12 | 65    | 39               | 32  | 6,6   | 11  | 6,5 | 12        |
| 32-6C1  |          |                |         | 3,5x1  | 390                   | 18880                          | 49360                          | 52       | 55 | 78       | 12 | 65    | 39               | 32  | 6,6   | 11  | 6,5 | 12        |
| 32-8B2  |          | 8              | 4,763   | 2,5x2  | 590                   | 32840                          | 84530                          | 54       | 86 | 88       | 16 | 70    | 40               | 33  | 9     | 14  | 8,5 | 15        |
| 32-8C1  |          |                |         | 3,5x1  | 410                   | 24280                          | 59480                          | 54       | 70 | 88       | 16 | 70    | 40               | 33  | 9     | 14  | 8,5 | 15        |
| 32-10B1 |          | 10             | 6,35    | 2,5x1  | 300                   | 26500                          | 55990                          | 54       | 70 | 88       | 16 | 70    | 44               | 37  | 9     | 14  | 8,5 | 15        |
| 32-10B2 |          |                |         | 2,5x2  | 600                   | 48100                          | 111990                         | 57       | 98 | 91       | 16 | 73    | 44               | 37  | 9     | 14  | 8,5 | 15        |

### Typ FSV

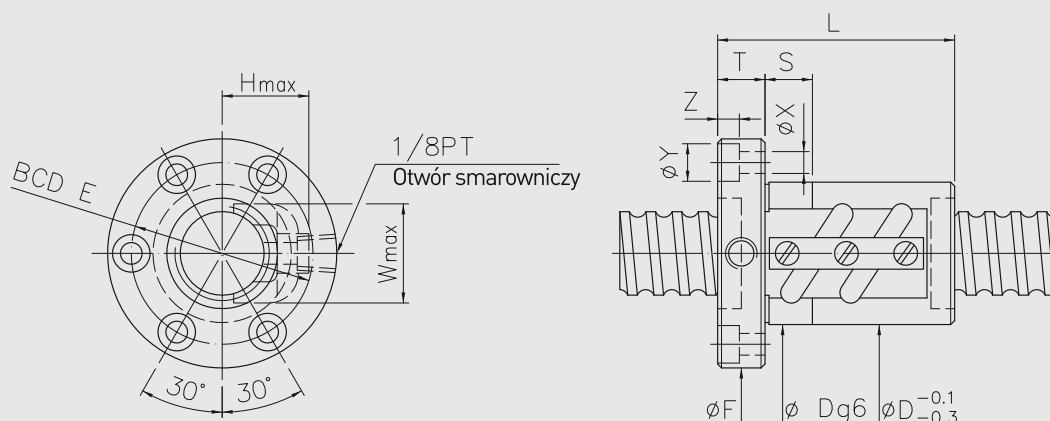


| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>Co [N] | Nakrętka |     | Kotnierz |    |       | Rurka<br>zwrotna |    | Śruba |      |     | Pasowanie |   |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------|----------|-----|----------|----|-------|------------------|----|-------|------|-----|-----------|---|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                | D        | L   | F        | T  | BCD-E | W                | H  | X     | Y    | Z   |           | S |
|         |          |                |         |        |                       |                                |                                |          |     |          |    |       |                  |    |       |      |     |           |   |
| 32-10C1 | 32       | 16             | 6,35    | 3,5x1  | 440                   | 35190                          | 77850                          | 57       | 78  | 91       | 16 | 73    | 44               | 37 | 9     | 14   | 8,5 | 15        |   |
| 32-16B1 |          |                |         | 2,5x1  | 300                   | 26500                          | 55990                          | 54       | 100 | 88       | 16 | 70    | 45               | 38 | 9     | 14   | 8,5 | 15        |   |
| 32-20B1 |          | 20             | 4,763   | 2,5x1  | 330                   | 18100                          | 42270                          | 54       | 100 | 88       | 16 | 70    | 40               | 33 | 9     | 14   | 8,5 | 15        |   |
| 32-25B1 |          | 25             |         | 2,5x1  | 330                   | 18100                          | 42270                          | 54       | 118 | 88       | 16 | 70    | 40               | 33 | 9     | 14   | 8,5 | 15        |   |
| 32-32A1 |          | 32             |         | 1,5x1  | 180                   | 11540                          | 25050                          | 54       | 110 | 88       | 16 | 70    | 40               | 33 | 9     | 14   | 8,5 | 15        |   |
| 36-6B1  | 36       | 6              | 3,969   | 2,5x1  | 350                   | 14860                          | 39690                          | 55       | 50  | 82       | 12 | 68    | 42               | 32 | 6,6   | 11   | 6,5 | 12        |   |
| 36-6B2  |          |                |         | 2,5x2  | 600                   | 26960                          | 79370                          | 55       | 68  | 82       | 12 | 68    | 42               | 32 | 6,6   | 11   | 6,5 | 12        |   |
| 36-10B2 |          | 10             | 6,35    | 2,5x2  | 680                   | 51050                          | 126690                         | 62       | 102 | 104      | 18 | 82    | 49               | 40 | 11    | 17,5 | 11  | 15        |   |
| 40-5B2  | 40       | 5              | 3,175   | 2,5x2  | 660                   | 20710                          | 71340                          | 58       | 65  | 92       | 16 | 72    | 46               | 34 | 9     | 14   | 8,5 | 15        |   |
| 40-6B2  |          | 6              | 3,969   | 2,5x2  | 690                   | 28170                          | 88550                          | 60       | 72  | 94       | 16 | 76    | 47               | 36 | 9     | 14   | 8,5 | 15        |   |
| 40-8B2  |          | 8              | 4,763   | 2,5x2  | 700                   | 36340                          | 106030                         | 62       | 86  | 96       | 16 | 78    | 48               | 38 | 9     | 14   | 8,5 | 15        |   |
| 40-8C1  |          |                |         | 3,5x1  | 490                   | 26790                          | 74380                          | 62       | 70  | 96       | 16 | 78    | 48               | 38 | 9     | 14   | 8,5 | 15        |   |
| 40-10B2 |          | 10             | 6,35    | 2,5x2  | 740                   | 53700                          | 141380                         | 65       | 102 | 106      | 18 | 85    | 52               | 42 | 11    | 17,5 | 11  | 15        |   |
| 40-10C1 |          |                |         | 3,5x1  | 510                   | 39320                          | 98410                          | 65       | 82  | 106      | 18 | 85    | 52               | 42 | 11    | 17,5 | 11  | 15        |   |
| 40-12B2 |          | 12             | 7,144   | 2,5x2  | 720                   | 62160                          | 156740                         | 64       | 108 | 112      | 18 | 88    | 53               | 42 | 11    | 17,5 | 11  | 30        |   |
| 40-16B2 |          | 16             | 7,144   | 2,5x2  | 720                   | 62160                          | 156740                         | 74       | 135 | 110      | 18 | 90    | 52               | 49 | 11    | 17,5 | 11  | 30        |   |
| 40-25B1 |          | 25             | 6,35    | 2,5x1  | 390                   | 29590                          | 70690                          | 65       | 123 | 106      | 18 | 85    | 52               | 42 | 11    | 17,5 | 11  | 15        |   |
| 40-32B1 |          | 32             |         | 2,5x1  | 390                   | 29590                          | 70690                          | 65       | 146 | 106      | 18 | 85    | 52               | 42 | 11    | 17,5 | 11  | 15        |   |
| 40-40A1 |          | 40             |         | 1,5x1  | 240                   | 18750                          | 41590                          | 65       | 133 | 106      | 18 | 85    | 52               | 42 | 11    | 17,5 | 11  | 15        |   |
| 45-10B1 | 45       | 10             | 6,35    | 2,5x1  | 450                   | 41700                          | 111610                         | 70       | 74  | 112      | 18 | 90    | 58               | 48 | 11    | 17,5 | 11  | 15        |   |
| 45-10B2 |          |                |         | 2,5x2  | 790                   | 56550                          | 159050                         | 70       | 104 | 112      | 18 | 90    | 58               | 48 | 11    | 17,5 | 11  | 15        |   |
| 45-12B2 |          | 12             | 7,938   | 2,5x2  | 810                   | 76270                          | 197990                         | 74       | 123 | 122      | 22 | 97    | 60               | 49 | 13    | 20   | 13  | 20        |   |
| 50-5A2  | 50       | 5              | 3,175   | 1,5x2  | 480                   | 14470                          | 53820                          | 70       | 63  | 104      | 16 | 86    | 56               | 40 | 9     | 14   | 8,5 | 15        |   |
| 50-5A3  |          |                |         | 1,5x3  | 730                   | 20510                          | 80720                          | 70       | 73  | 104      | 16 | 86    | 56               | 40 | 9     | 14   | 8,5 | 15        |   |
| 50-6B2  |          | 6              | 3,969   | 2,5x2  | 810                   | 30930                          | 111490                         | 72       | 75  | 106      | 16 | 88    | 57               | 43 | 9     | 14   | 8,5 | 15        |   |
| 50-6B3  |          |                |         | 2,5x3  | 1190                  | 43840                          | 167230                         | 72       | 93  | 106      | 16 | 88    | 57               | 43 | 9     | 14   | 8,5 | 15        |   |
| 50-8B2  |          | 8              | 4,763   | 2,5x2  | 840                   | 40040                          | 134090                         | 75       | 88  | 116      | 18 | 95    | 58               | 45 | 11    | 17,5 | 11  | 15        |   |
| 50-8B3  |          |                |         | 2,5x3  | 1240                  | 56740                          | 201140                         | 75       | 112 | 116      | 18 | 95    | 58               | 45 | 11    | 17,5 | 11  | 15        |   |
| 50-10B2 |          | 10             | 6,35    | 2,5x2  | 870                   | 59230                          | 176700                         | 78       | 104 | 119      | 18 | 98    | 62               | 48 | 11    | 17,5 | 11  | 15        |   |
| 50-10B3 |          |                |         | 2,5x3  | 1290                  | 83940                          | 265050                         | 78       | 134 | 119      | 18 | 98    | 62               | 48 | 11    | 17,5 | 11  | 15        |   |
| 50-10C1 |          |                |         | 3,5x1  | 600                   | 43930                          | 124810                         | 78       | 84  | 119      | 18 | 98    | 62               | 48 | 11    | 17,5 | 11  | 15        |   |
| 50-12B1 |          | 12             | 7,938   | 2,5x1  | 460                   | 44200                          | 110470                         | 82       | 87  | 130      | 22 | 105   | 64               | 52 | 13    | 20   | 13  | 20        |   |
| 50-12B2 |          |                |         | 2,5x2  | 900                   | 80220                          | 220940                         | 82       | 123 | 130      | 22 | 105   | 64               | 52 | 13    | 20   | 13  | 20        |   |

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

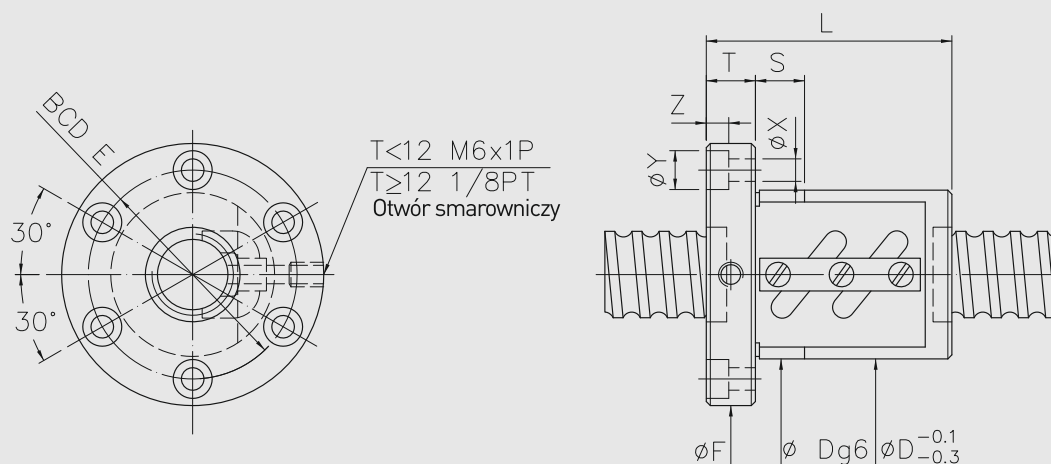
### Typ FSV



| Model    | Wielkość |             | Ø kulki | Obiegi | Szywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna Co [N] | Nakrętka |     | Kotniierz |    | Rurka zwrotna |     | Śruba |    |      |      | Pasowanie |
|----------|----------|-------------|---------|--------|-------------------|--------------------------|--------------------------|----------|-----|-----------|----|---------------|-----|-------|----|------|------|-----------|
|          | Ø znam.  | Skok gwintu |         |        |                   |                          |                          | D        | L   | F         | T  | BCD-E         | W   | H     | X  | Y    | Z    |           |
| 50-12C1  | 50       | 12          | 7,938   | 3,5x1  | 630               | 58750                    | 153800                   | 82       | 99  | 130       | 22 | 105           | 64  | 52    | 13 | 20   | 13   | 20        |
| 50-40A1  |          | 40          |         | 1,5x1  | 270               | 28010                    | 64990                    | 82       | 135 | 130       | 22 | 105           | 64  | 52    | 13 | 20   | 13   | 20        |
| 50-50A1  |          | 50          |         | 1,5x1  | 300               | 28010                    | 64990                    | 82       | 162 | 130       | 22 | 105           | 64  | 52    | 13 | 20   | 13   | 20        |
| 55-10C1  | 55       | 10          | 7,938   | 3,5x1  | 660               | 45620                    | 136610                   | 84       | 84  | 125       | 18 | 103           | 68  | 54    | 11 | 17,5 | 11   | 20        |
| 55-12B1  |          | 12          |         | 2,5x1  | 950               | 83920                    | 243900                   | 88       | 123 | 136       | 22 | 110           | 70  | 56    | 13 | 20   | 13   | 20        |
| 55-12B2  |          | 12          |         | 2,5x2  | 950               | 83920                    | 243900                   | 88       | 123 | 136       | 22 | 110           | 70  | 56    | 13 | 20   | 13   | 20        |
| 55-20B2  | 55       | 20          | 12,7    | 2,5x2  | 1270              | 201600                   | 524390                   | 100      | 175 | 132       | 28 | 115           | 74  | 71    | 9  | 14   | 8,5  | 30        |
| 63-8A2   | 63       | 8           | 4,763   | 1,5x2  | 540               | 28260                    | 101290                   | 87       | 76  | 129       | 18 | 107           | 70  | 50    | 11 | 17,5 | 11   | 20        |
| 63-8A3   |          |             |         | 1,5x3  | 800               | 40040                    | 151930                   | 87       | 92  | 129       | 18 | 107           | 70  | 50    | 11 | 17,5 | 11   | 20        |
| 63-10B2  |          | 10          | 6,35    | 2,5x2  | 1040              | 65330                    | 223710                   | 90       | 107 | 132       | 20 | 110           | 74  | 53    | 11 | 17,5 | 11   | 20        |
| 63-10B3  |          |             |         | 2,5x3  | 1540              | 92580                    | 335560                   | 90       | 137 | 132       | 20 | 110           | 74  | 53    | 11 | 17,5 | 11   | 20        |
| 63-12B2  |          | 12          | 7,938   | 2,5x2  | 1090              | 89430                    | 280620                   | 94       | 124 | 142       | 22 | 117           | 76  | 57    | 13 | 20   | 13   | 20        |
| 63-16B2  |          | 16          | 9,525   | 2,5x2  | 1410              | 148620                   | 460090                   | 100      | 153 | 150       | 22 | 123           | 78  | 62    | 13 | 20   | 13   | 20        |
| 63-20B2  | 63       | 20          | 9,525   | 2,5x2  | 1410              | 148620                   | 460090                   | 100      | 176 | 150       | 22 | 123           | 78  | 62    | 13 | 20   | 13   | 20        |
| 63-20B3  |          | 20          | 12,7    | 2,5x3  | 2100              | 307150                   | 908870                   | 117      | 244 | 157       | 32 | 137           | 82  | 70    | 11 | 17,5 | 11   | 30        |
| 70-10B2  | 70       | 10          | 6,35    | 2,5x2  | 1150              | 68430                    | 250110                   | 104      | 109 | 152       | 20 | 128           | 80  | 56    | 13 | 20   | 13   | 20        |
| 70-10B3  |          |             |         | 2,5x3  | 1700              | 96880                    | 375160                   | 104      | 139 | 152       | 20 | 128           | 80  | 56    | 13 | 20   | 13   | 20        |
| 70-12B2  |          | 12          | 7,938   | 2,5x2  | 1200              | 93820                    | 312750                   | 110      | 125 | 159       | 22 | 133           | 82  | 58    | 13 | 20   | 13   | 20        |
| 70-12B3  |          |             |         | 2,5x3  | 1700              | 132960                   | 469120                   | 110      | 159 | 159       | 22 | 133           | 82  | 58    | 13 | 20   | 13   | 20        |
| 80-10B2  | 80       | 10          | 6,35    | 2,5x2  | 1260              | 72020                    | 285380                   | 115      | 109 | 163       | 22 | 137           | 90  | 64    | 13 | 20   | 13   | 20        |
| 80-10B3  |          |             |         | 2,5x3  | 1860              | 102070                   | 428070                   | 115      | 139 | 163       | 22 | 137           | 90  | 64    | 13 | 20   | 13   | 20        |
| 80-12B2  |          | 12          | 7,938   | 2,5x2  | 1300              | 97970                    | 354220                   | 120      | 125 | 169       | 22 | 143           | 92  | 67    | 13 | 20   | 13   | 25        |
| 80-12B3  |          |             |         | 2,5x3  | 1920              | 138840                   | 531320                   | 120      | 159 | 169       | 22 | 143           | 92  | 67    | 13 | 20   | 13   | 25        |
| 80-16B2  |          | 16          | 9,525   | 2,5x2  | 1710              | 164850                   | 588510                   | 125      | 156 | 190       | 28 | 154           | 94  | 70    | 18 | 26   | 17,5 | 25        |
| 80-16B3  |          |             |         | 2,5x3  | 2520              | 233630                   | 882760                   | 125      | 204 | 190       | 28 | 154           | 94  | 70    | 18 | 26   | 17,5 | 25        |
| 80-20B2  | 80       | 20          | 9,525   | 2,5x2  | 1710              | 164850                   | 588510                   | 125      | 185 | 190       | 28 | 154           | 94  | 70    | 18 | 26   | 17,5 | 25        |
| 80-20B3  |          |             |         | 2,5x3  | 2520              | 233630                   | 882760                   | 125      | 245 | 190       | 28 | 154           | 94  | 70    | 18 | 26   | 17,5 | 25        |
| 100-12B2 | 100      | 12          | 7,938   | 2,5x2  | 1560              | 107610                   | 445860                   | 145      | 132 | 209       | 28 | 173           | 112 | 76    | 18 | 26   | 17,5 | 25        |
| 100-12B3 |          |             |         | 2,5x3  | 2290              | 152510                   | 668940                   | 145      | 168 | 209       | 28 | 173           | 112 | 76    | 18 | 26   | 17,5 | 25        |
| 100-16B2 |          | 16          | 9,525   | 2,5x2  | 2000              | 181230                   | 744250                   | 150      | 162 | 228       | 32 | 185           | 114 | 80    | 22 | 32   | 21,5 | 30        |
| 100-16B3 |          |             |         | 2,5x3  | 3050              | 256840                   | 1116370                  | 150      | 212 | 228       | 32 | 185           | 114 | 80    | 22 | 32   | 21,5 | 30        |
| 100-20B2 |          | 20          | 9,525   | 2,5x2  | 2000              | 181230                   | 744250                   | 150      | 190 | 228       | 32 | 185           | 114 | 80    | 22 | 32   | 21,5 | 30        |
| 100-20B3 |          |             |         | 2,5x3  | 3050              | 256840                   | 1116370                  | 150      | 250 | 228       | 32 | 185           | 114 | 80    | 22 | 32   | 21,5 | 30        |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulą przy obciążeniu osiowym rzędu 30 % nośności dynamicznej.

### Typ FSW

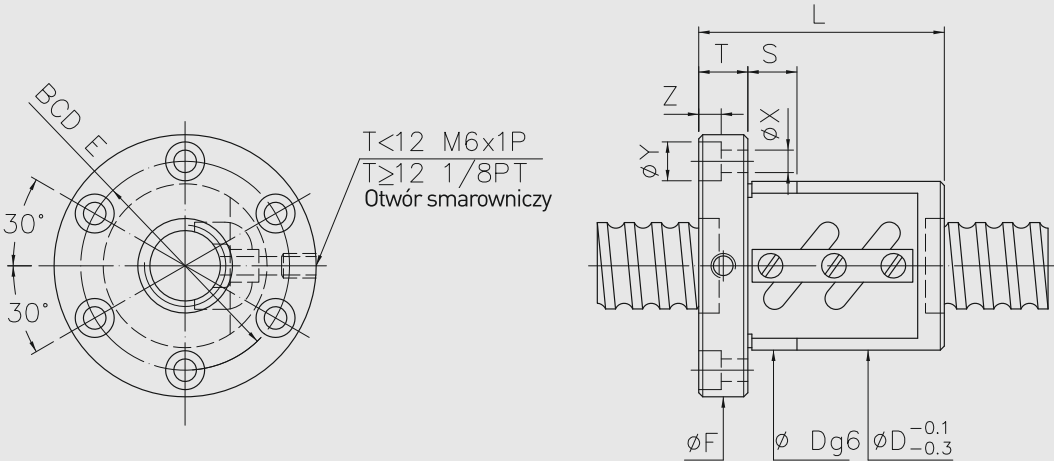


| Model   | Wielkość<br>Ø znam. | Skok<br>gwintu | Ø kulki | Obiegi | Sztynność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |     |     |     | Pasowanie |
|---------|---------------------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-------|-----|-----|-----|-----------|
|         |                     |                |         |        |                       |                                |                                            | D        | L   | F        | T  | BCD-E | X   | Y   | Z   | S         |
| 12-4B1  | 12                  | 4              | 2,381   | 2,5x1  | 80                    | 3830                           | 6380                                       | 30       | 38  | 50       | 10 | 40    | 4,5 | 8   | 4   | 12        |
| 12-4C1  |                     |                |         | 3,5x1  | 90                    | 5110                           | 8930                                       | 30       | 44  | 50       | 10 | 40    | 4,5 | 8   | 4   | 12        |
| 12-5B1  |                     | 5              | 2,381   | 2,5x1  | 80                    | 3830                           | 6380                                       | 30       | 40  | 50       | 10 | 40    | 4,5 | 8   | 4   | 12        |
| 14-5B1  | 14                  | 5              | 3,175   | 2,5x1  | 100                   | 7100                           | 12160                                      | 34       | 40  | 57       | 11 | 45    | 5,5 | 9,5 | 5,5 | 12        |
| 15-10A1 | 15                  | 10             | 3,175   | 1,5x1  | 90                    | 4740                           | 7810                                       | 34       | 48  | 57       | 11 | 45    | 5,5 | 9,5 | 5,5 | 12        |
| 15-20A1 |                     | 20             | 3,175   | 1,5x1  | 90                    | 4740                           | 7810                                       | 34       | 62  | 58       | 12 | 45    | 5,5 | 9,5 | 9,5 | 12        |
| 16-4B1  | 16                  | 4              | 2,381   | 2,5x1  | 140                   | 4390                           | 8700                                       | 34       | 38  | 57       | 11 | 45    | 5,5 | 9,5 | 5,5 | 12        |
| 16-5B1  |                     | 5              | 3,175   | 2,5x1  | 160                   | 7630                           | 14000                                      | 40       | 45  | 64       | 12 | 51    | 5,5 | 9,5 | 5,5 | 12        |
| 16-5B2  |                     |                |         | 2,5x2  | 330                   | 13850                          | 27990                                      | 40       | 60  | 64       | 12 | 51    | 5,5 | 9,5 | 5,5 | 12        |
| 16-5C1  |                     | 5              | 3,175   | 3,5x1  | 220                   | 10130                          | 19460                                      | 40       | 50  | 64       | 12 | 51    | 5,5 | 9,5 | 5,5 | 12        |
| 20-5B1  | 20                  | 5              | 3,175   | 2,5x1  | 190                   | 8370                           | 17330                                      | 44       | 45  | 68       | 12 | 55    | 5,5 | 9,5 | 5,5 | 12        |
| 20-5B2  |                     |                |         | 2,5x2  | 390                   | 15190                          | 34650                                      | 44       | 60  | 68       | 12 | 55    | 5,5 | 9,5 | 5,5 | 12        |
| 20-6B1  |                     | 6              | 3,969   | 2,5x1  | 200                   | 11370                          | 21870                                      | 48       | 48  | 72       | 12 | 59    | 5,5 | 9,5 | 5,5 | 12        |
| 20-6C1  |                     |                |         | 3,5x1  | 280                   | 15120                          | 30410                                      | 48       | 66  | 72       | 12 | 59    | 5,5 | 9,5 | 5,5 | 12        |
| 25-4B2  | 25                  | 4              | 2,381   | 2,5x2  | 380                   | 9760                           | 27760                                      | 46       | 48  | 69       | 11 | 57    | 5,5 | 9,5 | 5,5 | 12        |
| 25-5B2  |                     | 5              | 3,175   | 2,5x2  | 460                   | 17040                          | 44170                                      | 50       | 60  | 74       | 12 | 62    | 5,5 | 9,5 | 5,5 | 12        |
| 25-5C1  |                     |                |         | 3,5x1  | 350                   | 12520                          | 30850                                      | 50       | 50  | 74       | 12 | 62    | 5,5 | 9,5 | 5,5 | 12        |
| 25-6B1  |                     | 6              | 3,969   | 2,5x1  | 240                   | 12550                          | 27350                                      | 53       | 44  | 76       | 11 | 64    | 5,5 | 9,5 | 5,5 | 12        |
| 25-6B2  |                     | 6              | 3,969   | 2,5x2  | 480                   | 23080                          | 55230                                      | 56       | 68  | 82       | 12 | 69    | 6,6 | 11  | 6,5 | 12        |
| 25-6C1  |                     |                |         | 3,5x1  | 350                   | 16900                          | 38440                                      | 56       | 55  | 82       | 12 | 69    | 6,6 | 11  | 6,5 | 12        |
| 25-10B1 |                     | 10             | 4,763   | 2,5x1  | 250                   | 15920                          | 32370                                      | 60       | 65  | 86       | 16 | 73    | 6,6 | 11  | 6,5 | 12        |
| 25-10B2 |                     | 10             | 4,763   | 2,5x2  | 460                   | 28880                          | 64720                                      | 58       | 97  | 85       | 15 | 71    | 6,6 | 11  | 6,5 | 12        |
| 25-12B1 |                     | 12             | 3,969   | 2,5x1  | 240                   | 12710                          | 27610                                      | 53       | 60  | 78       | 11 | 64    | 6,6 | 11  | 6,5 | 12        |
| 28-5B1  | 28                  | 5              | 3,175   | 2,5x1  | 260                   | 9840                           | 24660                                      | 55       | 45  | 85       | 12 | 69    | 6,6 | 11  | 6,5 | 12        |
| 28-5B2  |                     |                |         | 2,5x2  | 500                   | 17850                          | 49320                                      | 55       | 60  | 85       | 12 | 69    | 6,6 | 11  | 6,5 | 12        |
| 28-6A2  |                     | 6              | 3,175   | 1,5x2  | 290                   | 11500                          | 29600                                      | 55       | 55  | 85       | 12 | 69    | 6,6 | 11  | 6,5 | 12        |
| 28-12B2 |                     | 12             | 4,763   | 2,5x2  | 510                   | 30600                          | 72990                                      | 60       | 110 | 86       | 12 | 73    | 6,6 | 11  | 6,5 | 12        |
| 28-16B1 |                     | 16             | 4,763   | 2,5x1  | 250                   | 16860                          | 36490                                      | 62       | 84  | 89       | 12 | 75    | 6,6 | 11  | 6,5 | 12        |
| 32-5B2  | 32                  | 5              | 3,175   | 2,5x2  | 550                   | 18860                          | 56660                                      | 58       | 60  | 84       | 12 | 71    | 6,6 | 11  | 6,5 | 12        |

# Mechanizmy śrubowo-toczone

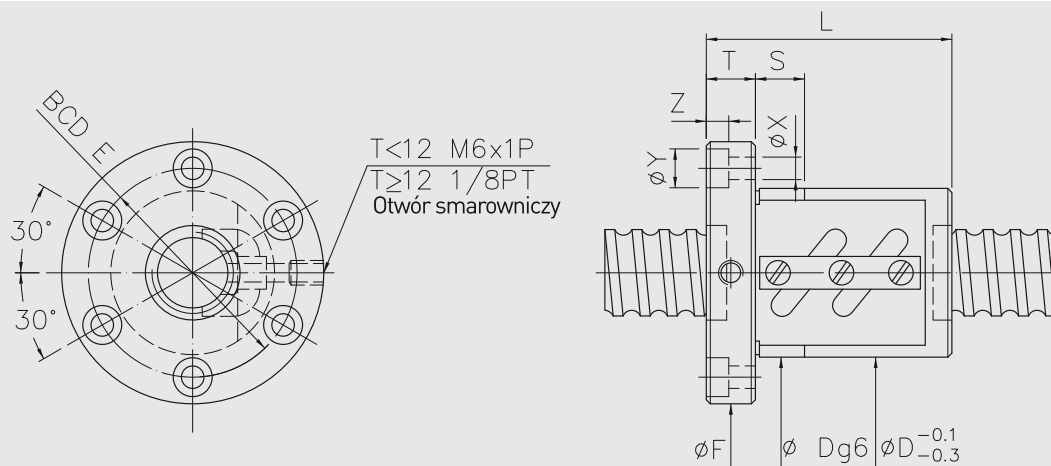
## Szlifowane precyzyjnie

### Typ FSW



| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |     |      |     | Pasowanie |
|---------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|-----|----------|----|-------|-----|------|-----|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      | D        | L   | F        | T  | BCD-E | X   | Y    | Z   | S         |
| 32-5C1  | 32       | 5           | 3,175   | 3,5x1  | 390                | 13880                    | 39670                                | 58       | 50  | 84       | 12 | 71    | 6,6 | 11   | 6,5 | 12        |
| 32-6B2  |          | 6           | 3,969   | 2,5x2  | 560                | 25560                    | 70200                                | 62       | 68  | 88       | 12 | 75    | 6,6 | 11   | 6,5 | 12        |
| 32-6C1  |          |             |         | 3,5x1  | 390                | 18880                    | 49360                                | 62       | 55  | 88       | 12 | 75    | 6,6 | 11   | 6,5 | 12        |
| 32-8B2  |          | 8           | 4,763   | 2,5x2  | 590                | 32840                    | 84530                                | 66       | 86  | 100      | 16 | 82    | 9   | 14   | 8,5 | 15        |
| 32-8C1  |          |             |         | 3,5x1  | 410                | 24280                    | 59480                                | 66       | 70  | 100      | 16 | 82    | 9   | 14   | 8,5 | 15        |
| 32-10B2 |          | 10          | 6,35    | 2,5x2  | 600                | 48100                    | 111990                               | 74       | 98  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-10C1 |          |             |         | 3,5x1  | 440                | 35190                    | 77850                                | 74       | 78  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-12A2 |          | 12          | 6,35    | 1,5x2  | 370                | 30510                    | 66120                                | 74       | 97  | 108      | 18 | 90    | 9   | 14   | 8,5 | 15        |
| 32-12B2 |          | 12          | 6,35    | 2,5x2  | 590                | 48100                    | 111990                               | 74       | 110 | 108      | 18 | 90    | 9   | 14   | 8,5 | 15        |
| 32-16A2 |          | 16          | 6,35    | 1,5x2  | 360                | 30350                    | 65550                                | 74       | 99  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-16B1 |          | 16          | 6,35    | 2,5x1  | 300                | 26500                    | 55990                                | 74       | 94  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-16B2 |          | 16          | 6,35    | 2,5x2  | 590                | 48100                    | 111990                               | 74       | 130 | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-20A2 |          | 20          | 6,35    | 1,5x2  | 370                | 30350                    | 65550                                | 74       | 120 | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 32-20B1 |          | 20          | 6,35    | 2,5x1  | 300                | 26500                    | 55990                                | 74       | 98  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 36-6B1  | 36       | 6           | 3,969   | 2,5x1  | 350                | 14860                    | 39690                                | 65       | 50  | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 12        |
| 36-6B2  |          |             |         | 2,5x2  | 600                | 26960                    | 79370                                | 65       | 68  | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 12        |
| 36-10B2 |          | 10          | 6,35    | 2,5x2  | 680                | 51050                    | 126690                               | 75       | 102 | 125      | 18 | 98    | 11  | 17,5 | 11  | 15        |
| 36-12B2 |          | 12          | 6,35    | 2,5x2  | 650                | 51050                    | 126680                               | 75       | 110 | 125      | 18 | 98    | 11  | 17,5 | 11  | 15        |
| 36-16C1 |          | 16          | 6,35    | 3,5x1  | 460                | 37360                    | 88130                                | 80       | 105 | 120      | 18 | 100   | 11  | 17,5 | 11  | 15        |
| 40-5B2  | 40       | 5           | 3,175   | 2,5x2  | 660                | 20710                    | 71340                                | 68       | 65  | 102      | 16 | 84    | 9   | 14   | 8,5 | 15        |
| 40-6B2  |          | 6           | 3,969   | 2,5x2  | 690                | 28170                    | 88550                                | 70       | 72  | 104      | 16 | 86    | 9   | 14   | 8,5 | 15        |
| 40-8B2  |          | 8           | 4,763   | 2,5x2  | 700                | 36340                    | 106030                               | 74       | 86  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 40-8C1  |          |             |         | 3,5x1  | 490                | 26790                    | 74380                                | 74       | 70  | 108      | 16 | 90    | 9   | 14   | 8,5 | 15        |
| 40-10B2 |          | 10          | 6,35    | 2,5x2  | 740                | 53700                    | 141380                               | 84       | 102 | 125      | 18 | 104   | 11  | 17,5 | 11  | 15        |
| 40-10C1 |          |             |         | 3,5x1  | 510                | 39320                    | 98410                                | 84       | 82  | 125      | 18 | 104   | 11  | 17,5 | 11  | 15        |
| 40-12B1 |          | 12          | 7,144   | 2,5x1  | 360                | 34250                    | 78370                                | 86       | 81  | 128      | 18 | 106   | 11  | 17,5 | 11  | 20        |
| 40-12B2 |          |             |         | 2,5x2  | 720                | 62170                    | 156740                               | 86       | 117 | 128      | 18 | 106   | 11  | 17,5 | 11  | 20        |
| 55-10C1 | 55       | 10          | 6,35    | 3,5x1  | 660                | 45620                    | 136610                               | 100      | 84  | 140      | 18 | 118   | 11  | 17,5 | 11  | 20        |
| 55-12B2 |          | 12          | 7,938   | 2,5x2  | 950                | 83920                    | 243900                               | 105      | 123 | 154      | 22 | 127   | 13  | 20   | 13  | 20        |

### Typ FSW



| Model    | Wielkość<br>Ø znam. | Skok<br>gwintu | Ø kulki | Obiegi | Szytywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |    |      |      | Pasowanie |
|----------|---------------------|----------------|---------|--------|------------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-------|----|------|------|-----------|
|          |                     |                |         |        |                        |                                |                                            | D        | L   | F        | T  | BCD-E | X  | Y    | Z    | S         |
| 60-12B2  | 60                  | 12             | 7,938   | 2,5x2  | 1010                   | 87420                          | 266850                                     | 112      | 135 | 154      | 18 | 132   | 11 | 17,5 | 11   | 20        |
| 63-8A2   | 63                  | 8              | 4,763   | 1,5x2  | 540                    | 28260                          | 101290                                     | 104      | 76  | 146      | 18 | 124   | 11 | 17,5 | 11   | 20        |
| 63-8A3   |                     |                |         | 1,5x3  | 800                    | 40040                          | 151930                                     | 104      | 92  | 146      | 18 | 124   | 11 | 17,5 | 11   | 20        |
| 63-10B2  |                     | 10             | 6,35    | 2,5x2  | 1040                   | 65330                          | 223710                                     | 110      | 107 | 152      | 20 | 130   | 11 | 17,5 | 11   | 20        |
| 63-10B3  |                     |                |         | 2,5x3  | 1540                   | 95280                          | 335560                                     | 110      | 137 | 152      | 20 | 130   | 11 | 17,5 | 11   | 20        |
| 63-12B2  |                     | 12             | 7,938   | 2,5x2  | 1090                   | 89430                          | 280620                                     | 118      | 124 | 166      | 22 | 141   | 13 | 20   | 13   | 20        |
| 63-16B2  |                     | 16             | 9,525   | 2,5x2  | 1410                   | 148620                         | 460090                                     | 124      | 153 | 172      | 22 | 147   | 13 | 20   | 13   | 20        |
| 63-20B2  |                     | 20             | 9,525   | 2,5x2  | 1410                   | 148620                         | 460090                                     | 124      | 176 | 172      | 22 | 147   | 13 | 20   | 13   | 20        |
| 70-10B2  | 70                  | 10             | 6,35    | 2,5x2  | 1150                   | 68430                          | 250110                                     | 124      | 109 | 170      | 20 | 145   | 13 | 20   | 13   | 20        |
| 70-10B3  |                     |                |         | 2,5x3  | 1700                   | 96980                          | 375160                                     | 124      | 139 | 170      | 20 | 145   | 13 | 20   | 13   | 20        |
| 70-12B2  |                     | 12             | 7,938   | 2,5x2  | 1200                   | 93820                          | 312750                                     | 130      | 125 | 178      | 22 | 152   | 13 | 20   | 13   | 20        |
| 70-12B3  |                     |                |         | 2,5x3  | 1700                   | 132960                         | 469120                                     | 130      | 159 | 178      | 22 | 152   | 13 | 20   | 13   | 20        |
| 80-10B2  | 80                  | 10             | 6,35    | 2,5x2  | 1260                   | 72020                          | 285380                                     | 130      | 109 | 178      | 22 | 152   | 13 | 20   | 13   | 20        |
| 80-10B3  |                     |                |         | 2,5x3  | 1860                   | 102070                         | 428070                                     | 130      | 139 | 178      | 22 | 152   | 13 | 20   | 13   | 20        |
| 80-12B2  |                     | 12             | 7,938   | 2,5x2  | 1300                   | 97970                          | 354220                                     | 136      | 125 | 185      | 22 | 159   | 13 | 20   | 13   | 20        |
| 80-12B3  |                     |                |         | 2,5x3  | 1920                   | 138440                         | 531320                                     | 136      | 159 | 185      | 22 | 159   | 13 | 20   | 13   | 20        |
| 80-16B2  |                     | 16             | 9,525   | 2,5x2  | 1710                   | 164850                         | 588510                                     | 145      | 156 | 210      | 28 | 174   | 18 | 26   | 17,5 | 25        |
| 80-16B3  |                     |                |         | 2,5x3  | 2520                   | 233630                         | 882760                                     | 145      | 204 | 210      | 28 | 174   | 18 | 26   | 17,5 | 25        |
| 80-20B2  |                     | 20             | 9,525   | 2,5x2  | 1710                   | 164850                         | 588510                                     | 145      | 185 | 210      | 28 | 174   | 18 | 26   | 17,5 | 25        |
| 80-20B3  |                     |                |         | 2,5x3  | 2520                   | 233630                         | 882760                                     | 145      | 245 | 210      | 28 | 174   | 18 | 26   | 17,5 | 25        |
| 100-12B2 | 100                 | 12             | 7,938   | 2,5x2  | 1560                   | 107610                         | 445960                                     | 160      | 132 | 224      | 24 | 188   | 18 | 26   | 17,5 | 25        |
| 100-12B3 |                     |                |         | 2,5x3  | 2290                   | 152510                         | 668940                                     | 160      | 168 | 224      | 24 | 188   | 18 | 26   | 17,5 | 25        |
| 100-16B2 |                     | 16             | 9,525   | 2,5x2  | 2000                   | 181230                         | 774250                                     | 170      | 162 | 248      | 32 | 205   | 22 | 32   | 21,5 | 30        |
| 100-16B3 |                     |                |         | 2,5x3  | 3050                   | 256840                         | 1116370                                    | 170      | 212 | 248      | 32 | 205   | 22 | 32   | 21,5 | 30        |
| 100-20B2 |                     | 20             | 9,525   | 2,5x2  | 2000                   | 181230                         | 744250                                     | 170      | 190 | 248      | 32 | 205   | 22 | 32   | 21,5 | 30        |
| 100-20B3 |                     |                |         | 2,5x3  | 3050                   | 256840                         | 1116370                                    | 170      | 250 | 248      | 32 | 205   | 22 | 32   | 21,5 | 30        |

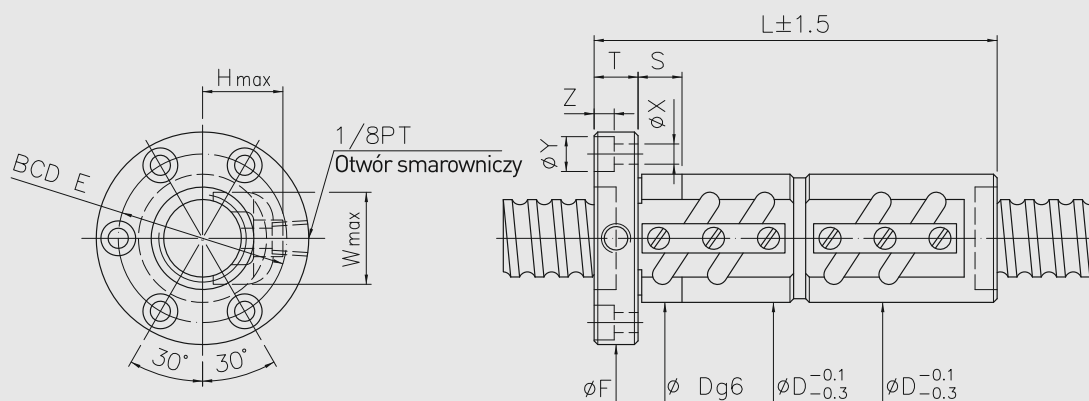
Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulką przy obciążeniu osiowym rzędu 30 % nośności dynamicznej.



# Mechanizmy śrubowo-toczone

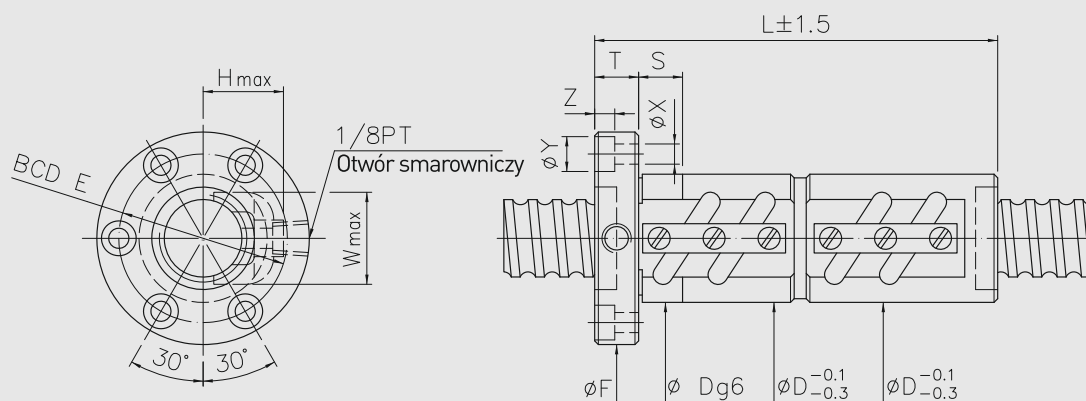
## Szlifowane precyzyjnie

### Typ FDV



| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |     |       | Rurka<br>zwrotna |    | Śruba |     |     | Pasowanie |    |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|-----|-------|------------------|----|-------|-----|-----|-----------|----|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            | D        | L   | F        | T   | BCD-E | W                | H  | X     | Y   | Z   |           | S  |
|         |          |                |         |        |                       |                                |                                            |          |     |          |     |       |                  |    |       |     |     |           |    |
| 16-5B1  | 16       | 5              | 3,175   | 2,5x1  | 320                   | 7630                           | 14000                                      | 31       | 80  | 54       | 12  | 41    | 24               | 22 | 5,5   | 9,5 | 5,5 | 24        |    |
| 16-5B2  |          |                |         | 2,5x2  | 650                   | 13850                          | 27990                                      | 31       | 110 | 54       | 12  | 41    | 24               | 22 | 5,5   | 9,5 | 5,5 | 24        |    |
| 16-5C1  |          |                |         | 3,5x1  | 460                   | 10130                          | 19460                                      | 31       | 90  | 54       | 12  | 41    | 24               | 22 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-5B1  | 20       | 6              | 3,969   | 2,5x1  | 380                   | 8370                           | 17330                                      | 35       | 80  | 58       | 12  | 46    | 27               | 25 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-5B2  |          |                |         | 2,5x2  | 760                   | 15190                          | 34650                                      | 35       | 110 | 58       | 12  | 46    | 27               | 25 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-6B1  |          |                |         | 2,5x1  | 400                   | 11390                          | 21870                                      | 36       | 92  | 60       | 12  | 47    | 28               | 27 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-6C1  |          |                |         | 3,5x1  | 550                   | 15120                          | 30410                                      | 36       | 104 | 60       | 12  | 47    | 28               | 27 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-5B1  | 25       | 5              | 3,175   | 2,5x1  | 460                   | 9390                           | 22090                                      | 40       | 80  | 64       | 12  | 52    | 31               | 26 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-5B2  |          |                |         | 2,5x2  | 900                   | 17040                          | 44170                                      | 40       | 110 | 64       | 12  | 52    | 31               | 26 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-5C1  |          |                |         | 3,5x1  | 680                   | 12520                          | 30850                                      | 40       | 90  | 64       | 12  | 52    | 31               | 26 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-6B2  |          | 6              | 3,969   | 2,5x2  | 940                   | 23080                          | 55230                                      | 42       | 128 | 68       | 12  | 55    | 32               | 28 | 6,6   | 11  | 6,5 | 24        |    |
| 25-6C1  |          |                |         | 3,5x1  | 660                   | 16900                          | 38440                                      | 42       | 104 | 68       | 12  | 55    | 32               | 28 | 6,6   | 11  | 6,5 | 24        |    |
| 25-10B1 |          | 10             | 4,763   | 2,5x1  | 480                   | 15920                          | 32370                                      | 45       | 122 | 72       | 16  | 58    | 34               | 29 | 6,6   | 11  | 6,5 | 24        |    |
| 28-5B1  | 28       | 5              | 3,175   | 2,5x1  | 510                   | 9840                           | 24660                                      | 44       | 80  | 70       | 12  | 56    | 34               | 28 | 6,6   | 11  | 6,5 | 24        |    |
| 28-5B2  |          |                |         | 2,5x2  | 980                   | 17850                          | 49320                                      | 44       | 110 | 70       | 12  | 56    | 34               | 28 | 6,6   | 11  | 6,5 | 24        |    |
| 28-6A2  |          | 6              | 4,763   | 1,5x2  | 590                   | 11500                          | 29600                                      | 44       | 110 | 70       | 12  | 56    | 34               | 28 | 6,6   | 11  | 6,5 | 24        |    |
| 28-8A2  |          | 8              |         | 1,5x2  | 620                   | 19600                          | 43480                                      | 50       | 110 | 75       | 12  | 61    | 38               | 32 | 6,6   | 11  | 6,5 | 15        |    |
| 28-10B2 |          | 10             |         | 2,5x2  | 1020                  | 30600                          | 72990                                      | 54       | 177 | 94       | 15  | 74    | 37               | 32 | 9     | 14  | 8,5 | 30        |    |
| 32-5B1  | 32       | 5              | 3,175   | 2,5x1  | 550                   | 10390                          | 28330                                      | 50       | 80  | 76       | 12  | 63    | 38               | 30 | 6,6   | 11  | 6,5 | 24        |    |
| 32-5B2  |          |                |         | 2,5x2  | 1090                  | 18860                          | 56660                                      | 50       | 110 | 76       | 12  | 63    | 38               | 30 | 6,6   | 11  | 6,5 | 24        |    |
| 32-5C1  |          |                |         | 3,5x1  | 760                   | 13880                          | 39670                                      | 50       | 90  | 76       | 12  | 63    | 38               | 30 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6B1  |          | 6              | 3,969   | 2,5x1  | 570                   | 14090                          | 35100                                      | 52       | 92  | 78       | 12  | 65    | 39               | 32 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6B2  |          |                |         | 2,5x2  | 1120                  | 25560                          | 70200                                      | 52       | 128 | 78       | 12  | 65    | 39               | 32 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6C1  |          |                |         | 3,5x1  | 780                   | 18880                          | 49360                                      | 52       | 104 | 78       | 12  | 65    | 39               | 32 | 6,6   | 11  | 6,5 | 24        |    |
| 32-8B1  |          | 8              | 4,763   | 2,5x1  | 580                   | 18100                          | 42270                                      | 54       | 110 | 88       | 16  | 70    | 40               | 33 | 9     | 14  | 8,5 | 30        |    |
| 32-8B2  |          |                |         | 2,5x2  | 1150                  | 32840                          | 84530                                      | 54       | 158 | 88       | 16  | 70    | 40               | 33 | 9     | 14  | 8,5 | 30        |    |
| 32-8C1  |          |                |         | 3,5x1  | 820                   | 24280                          | 59480                                      | 54       | 126 | 88       | 16  | 70    | 40               | 33 | 9     | 14  | 8,5 | 30        |    |
| 32-10B1 |          | 10             | 6,35    | 2,5x1  | 580                   | 26510                          | 56000                                      | 57       | 122 | 91       | 16  | 73    | 44               | 37 | 9     | 14  | 8,5 | 30        |    |
| 32-10B2 |          |                |         | 2,5x2  | 1180                  | 48100                          | 111990                                     | 57       | 182 | 91       | 16  | 73    | 44               | 37 | 9     | 14  | 8,5 | 30        |    |
| 32-10C1 |          |                |         | 3,5x1  | 860                   | 35190                          | 77850                                      | 57       | 142 | 91       | 16  | 73    | 44               | 37 | 9     | 14  | 8,5 | 30        |    |
| 32-12A2 |          | 12             | 6,35    | 1,5x2  | 720                   | 30350                          | 65550                                      | 62       | 180 | 108      | 16  | 86    | 44               | 38 | 9     | 14  | 8,5 | 15        |    |
| 32-12B1 |          |                |         | 2,5x1  | 620                   | 26500                          | 55990                                      | 62       | 138 | 108      | 16  | 86    | 44               | 38 | 9     | 14  | 8,5 | 20        |    |
| 32-16A2 |          | 16             |         |        | 1,5x2                 | 720                            | 30350                                      | 65550    | 62  | 180      | 108 | 16    | 86               | 44 | 38    | 9   | 14  | 8,5       | 20 |
| 36-6B1  | 36       | 6              | 3,969   | 2,5x1  | 620                   | 14860                          | 39690                                      | 55       | 92  | 82       | 12  | 68    | 42               | 32 | 6,6   | 11  | 6,5 | 24        |    |

### Typ FDV

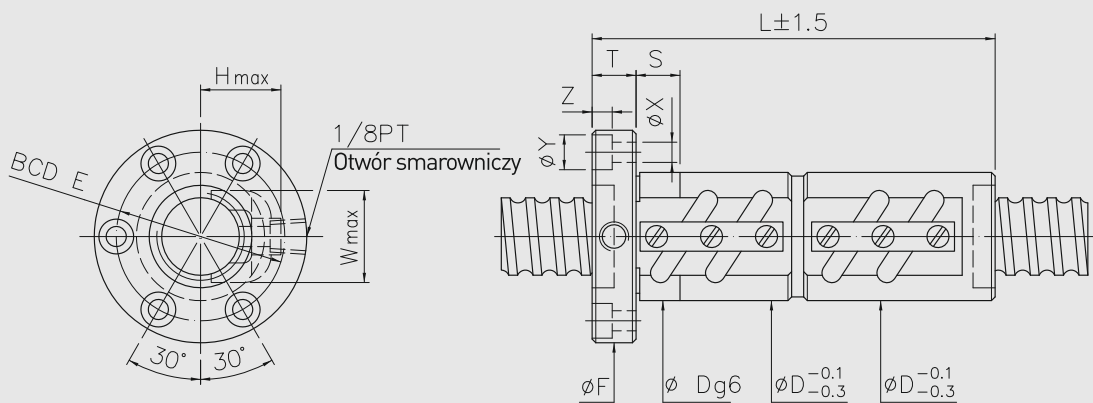


| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |       | Kołnierz |     |       | Rurka<br>zwrotna |    | Śruba |      |      | Pasowanie |     |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-------|----------|-----|-------|------------------|----|-------|------|------|-----------|-----|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            | D        | L     | F        | T   | BCD-E | W                | H  | X     | Y    | Z    |           | S   |
|         |          |                |         |        |                       |                                |                                            |          |       |          |     |       |                  |    |       |      |      |           |     |
| 36-6B2  | 36       | 6              | 3,969   | 2,5x2  | 1210                  | 26960                          | 79370                                      | 55       | 128   | 82       | 12  | 68    | 42               | 32 | 6,6   | 11   | 6,5  | 24        |     |
| 36-10B2 |          | 10             | 6,35    | 2,5x2  | 1320                  | 51050                          | 126690                                     | 62       | 184   | 104      | 18  | 82    | 49               | 40 | 11    | 17,5 | 11   | 30        |     |
| 40-5B1  | 40       | 5              | 3,175   | 2,5x1  | 650                   | 11410                          | 35670                                      | 58       | 84    | 92       | 16  | 72    | 46               | 34 | 9     | 14   | 8,5  | 30        |     |
| 40-5B2  |          |                |         | 2,5x2  | 1320                  | 20710                          | 71340                                      | 58       | 114   | 92       | 16  | 72    | 46               | 34 | 9     | 14   | 8,5  | 30        |     |
| 40-6B2  |          | 6              | 3,969   | 2,5x2  | 1360                  | 28170                          | 88550                                      | 60       | 132   | 94       | 16  | 76    | 47               | 36 | 9     | 14   | 8,5  | 30        |     |
| 40-8B1  |          |                |         | 8      | 4,763                 | 2,5x1                          | 690                                        | 20030    | 53020 | 62       | 110 | 96    | 16               | 78 | 48    | 38   | 9    | 14        | 8,5 |
| 40-8B2  |          | 2,5x2          | 1370    |        |                       | 36340                          | 106030                                     | 62       | 158   | 96       | 16  | 78    | 48               | 38 | 9     | 14   | 8,5  | 30        |     |
| 40-8C1  |          | 3,5x1          | 960     |        |                       | 26790                          | 74380                                      | 62       | 126   | 96       | 16  | 78    | 48               | 38 | 9     | 14   | 8,5  | 30        |     |
| 40-10B1 |          | 10             | 6,35    |        |                       | 2,5x1                          | 720                                        | 29590    | 70690 | 65       | 132 | 106   | 18               | 85 | 52    | 42   | 11   | 17,5      | 11  |
| 40-10B2 |          |                |         | 2,5x2  | 1450                  | 53700                          | 141380                                     | 65       | 192   | 106      | 18  | 85    | 52               | 42 | 11    | 17,5 | 11   | 30        |     |
| 40-10C1 |          |                |         | 3,5x1  | 1020                  | 39320                          | 98410                                      | 65       | 152   | 106      | 18  | 85    | 52               | 42 | 11    | 17,5 | 11   | 30        |     |
| 40-12A2 |          |                |         | 12     | 7,144                 | 1,5x2                          | 880                                        | 34020    | 83160 | 65       | 160 | 106   | 18               | 84 | 52    | 42   | 11   | 17,5      | 11  |
| 40-12B1 |          | 2,5x1          | 700     |        |                       | 34250                          | 78370                                      | 70       | 153   | 112      | 18  | 90    | 55               | 43 | 11    | 17,5 | 11   | 40        |     |
| 40-12B2 |          | 2,5x2          | 1410    |        |                       | 62170                          | 156740                                     | 70       | 225   | 112      | 18  | 90    | 55               | 43 | 11    | 17,5 | 11   | 40        |     |
| 40-12C1 |          | 3,5x1          | 1030    |        |                       | 39320                          | 98410                                      | 65       | 158   | 106      | 18  | 85    | 52               | 42 | 11    | 17,5 | 11   | 30        |     |
| 40-16A2 |          | 16             |         |        | 1,5x2                 | 880                            | 40060                                      | 94040    | 75    | 209      | 117 | 18    | 95               | 53 | 43    | 11   | 17,5 | 11        | 40  |
| 40-16B1 |          |                |         |        | 2,5x1                 | 1180                           | 34250                                      | 78370    | 75    | 153      | 117 | 18    | 95               | 53 | 43    | 11   | 17,5 | 11        | 40  |
| 40-20A1 |          | 20             |         |        |                       | 1,5x1                          | 440                                        | 18740    | 41580 | 65       | 152 | 106   | 18               | 85 | 52    | 42   | 11   | 17,5      | 11  |
| 45-10B1 | 45       | 10             | 6,35    | 2,5x1  | 760                   | 31160                          | 79530                                      | 70       | 134   | 112      | 18  | 90    | 58               | 48 | 11    | 17,5 | 11   | 30        |     |
| 45-10B2 |          |                |         | 2,5x2  | 1560                  | 56550                          | 159050                                     | 70       | 194   | 112      | 18  | 90    | 58               | 48 | 11    | 17,5 | 11   | 30        |     |
| 45-12B2 |          | 12             | 7,938   | 2,5x2  | 1620                  | 76270                          | 197990                                     | 74       | 230   | 122      | 22  | 97    | 60               | 49 | 13    | 20   | 13   | 40        |     |
| 50-5A2  | 50       | 5              | 3,175   | 1,5x2  | 960                   | 14470                          | 53820                                      | 70       | 107   | 104      | 16  | 86    | 56               | 40 | 9     | 14   | 8,5  | 30        |     |
| 50-5A3  |          |                |         | 1,5x3  | 1430                  | 20510                          | 80720                                      | 70       | 127   | 104      | 16  | 86    | 56               | 40 | 9     | 14   | 8,5  | 30        |     |
| 50-5B2  |          |                |         | 2,5x2  | 1530                  | 22450                          | 89690                                      | 70       | 116   | 104      | 16  | 86    | 56               | 40 | 9     | 14   | 8,5  | 30        |     |
| 50-6B2  |          | 6              | 3,969   | 2,5x2  | 1610                  | 30930                          | 111490                                     | 72       | 134   | 106      | 16  | 88    | 57               | 43 | 9     | 14   | 8,5  | 30        |     |
| 50-6B3  |          |                |         | 2,5x3  | 2350                  | 43840                          | 167230                                     | 72       | 170   | 106      | 16  | 88    | 57               | 43 | 9     | 14   | 8,5  | 30        |     |
| 50-8B1  |          | 8              | 4,763   | 2,5x1  | 810                   | 22060                          | 67050                                      | 75       | 112   | 116      | 18  | 95    | 58               | 45 | 11    | 17,5 | 11   | 30        |     |
| 50-8B2  |          |                |         | 2,5x2  | 1650                  | 40040                          | 134090                                     | 75       | 160   | 116      | 18  | 95    | 58               | 45 | 11    | 17,5 | 11   | 30        |     |
| 50-8B3  |          |                |         | 2,5x3  | 2440                  | 56740                          | 201140                                     | 75       | 208   | 116      | 18  | 95    | 58               | 45 | 11    | 17,5 | 11   | 30        |     |
| 50-10B2 |          | 10             | 6,35    | 2,5x2  | 1730                  | 59230                          | 176700                                     | 78       | 194   | 119      | 18  | 98    | 62               | 48 | 11    | 17,5 | 11   | 30        |     |
| 50-10B3 |          |                |         | 2,5x3  | 2550                  | 83940                          | 265050                                     | 78       | 254   | 119      | 18  | 98    | 62               | 48 | 11    | 17,5 | 11   | 30        |     |
| 50-10C1 |          |                |         | 3,5x1  | 1200                  | 43930                          | 124810                                     | 78       | 154   | 119      | 18  | 98    | 62               | 48 | 11    | 17,5 | 11   | 30        |     |
| 50-12B2 |          | 12             | 7,938   | 2,5x2  | 1780                  | 80220                          | 220940                                     | 82       | 232   | 130      | 22  | 105   | 64               | 52 | 13    | 20   | 13   | 40        |     |
| 50-12C1 |          |                |         | 3,5x1  | 1230                  | 58750                          | 153800                                     | 82       | 184   | 130      | 22  | 105   | 64               | 52 | 13    | 20   | 13   | 40        |     |

# Mechanizmy śrubowo-toczone

## Szlifowane precyzyjnie

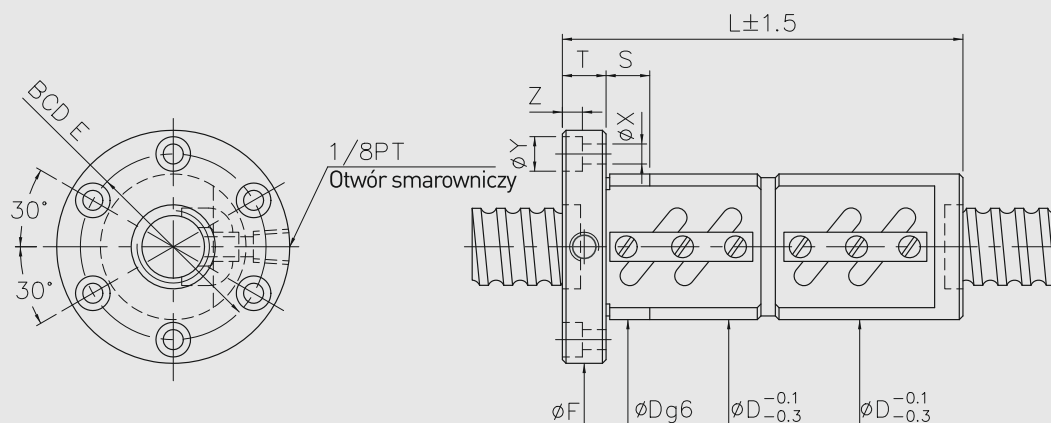
### Typ FDV



| Model    | Wielkość |                | Ø kulki | Obiegi | Sztwywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |     | Rurka<br>zwrotna |     | Śruba |    |      | Pasowanie |    |    |
|----------|----------|----------------|---------|--------|------------------------|--------------------------------|--------------------------------------------|----------|-----|----------|-----|------------------|-----|-------|----|------|-----------|----|----|
|          | Ø znam.  | Skok<br>gwintu |         |        |                        |                                |                                            | D        | L   | F        | T   | BCD-E            | W   | H     | X  | Y    |           | Z  | S  |
|          |          |                |         |        |                        |                                |                                            |          |     |          |     |                  |     |       |    |      |           |    |    |
| 55-10C1  | 55       | 10             | 6,35    | 3,5x1  | 1320                   | 45620                          | 136610                                     | 84       | 154 | 125      | 18  | 103              | 68  | 54    | 11 | 17,5 | 11        | 40 |    |
| 55-12B2  |          | 12             | 7,938   | 2,5x2  | 1850                   | 83920                          | 243900                                     | 88       | 232 | 136      | 22  | 110              | 70  | 56    | 13 | 20   | 13        | 40 |    |
| 63-8A2   | 63       | 8              | 4,763   | 1,5x2  | 1070                   | 28260                          | 101290                                     | 87       | 142 | 129      | 18  | 107              | 70  | 50    | 11 | 17,5 | 11        | 40 |    |
| 63-8A3   |          |                |         | 1,5x3  | 1540                   | 40040                          | 151930                                     | 87       | 171 | 129      | 18  | 107              | 70  | 50    | 11 | 17,5 | 11        | 40 |    |
| 63-10B2  |          | 10             | 6,35    | 2,5x2  | 2060                   | 65330                          | 223710                                     | 90       | 196 | 132      | 20  | 110              | 74  | 53    | 11 | 17,5 | 11        | 30 |    |
| 63-10B3  |          |                |         | 2,5x3  | 3050                   | 92580                          | 335560                                     | 90       | 256 | 132      | 20  | 110              | 74  | 53    | 11 | 17,5 | 11        | 30 |    |
| 63-12B2  |          | 12             | 7,938   | 2,5x2  | 2140                   | 89430                          | 280620                                     | 94       | 232 | 142      | 22  | 117              | 76  | 57    | 13 | 20   | 13        | 40 |    |
| 63-16B2  |          | 16             | 9,525   | 2,5x2  | 2800                   | 148620                         | 460090                                     | 100      | 296 | 150      | 22  | 123              | 78  | 62    | 13 | 20   | 13        | 40 |    |
| 63-20B2  |          |                |         | 20     | 2,5x2                  | 2800                           | 148620                                     | 460090   | 100 | 334      | 150 | 22               | 123 | 78    | 62 | 13   | 20        | 13 | 40 |
| 70-10B2  |          | 70             | 10      | 6,35   | 2,5x2                  | 2280                           | 68430                                      | 250110   | 104 | 196      | 152 | 20               | 128 | 80    | 56 | 13   | 20        | 13 | 40 |
| 70-10B3  | 2,5x3    |                |         |        | 3340                   | 96980                          | 375160                                     | 104      | 256 | 152      | 20  | 128              | 80  | 56    | 13 | 20   | 13        | 40 |    |
| 70-12B2  | 12       |                | 7,938   | 2,5x2  | 2360                   | 93820                          | 312750                                     | 110      | 232 | 159      | 22  | 133              | 82  | 58    | 13 | 20   | 13        | 40 |    |
| 70-12B3  |          |                |         | 2,5x3  | 3360                   | 132960                         | 469120                                     | 110      | 302 | 159      | 22  | 133              | 82  | 58    | 13 | 20   | 13        | 40 |    |
| 80-10B2  | 80       | 10             | 6,35    | 2,5x2  | 2510                   | 72020                          | 285380                                     | 115      | 200 | 163      | 22  | 137              | 90  | 64    | 13 | 20   | 13        | 40 |    |
| 80-10B3  |          |                |         | 2,5x3  | 3680                   | 102070                         | 428070                                     | 115      | 260 | 163      | 22  | 137              | 90  | 64    | 13 | 20   | 13        | 40 |    |
| 80-12B2  |          | 12             | 7,938   | 2,5x2  | 2570                   | 97970                          | 354220                                     | 120      | 232 | 169      | 22  | 143              | 92  | 67    | 13 | 20   | 13        | 40 |    |
| 80-12B3  |          |                |         | 2,5x3  | 3800                   | 138840                         | 531320                                     | 120      | 302 | 169      | 22  | 143              | 92  | 67    | 13 | 20   | 13        | 40 |    |
| 80-16B2  |          | 16             | 9,525   | 2,5x2  | 3400                   | 164850                         | 588510                                     | 125      | 302 | 190      | 28  | 154              | 94  | 70    | 18 | 26   | 17,5      | 50 |    |
| 80-16B3  |          |                |         | 2,5x3  | 4980                   | 233630                         | 882760                                     | 125      | 398 | 190      | 28  | 154              | 94  | 70    | 18 | 26   | 17,5      | 50 |    |
| 80-20B2  |          | 20             |         | 2,5x2  | 3380                   | 164850                         | 588510                                     | 125      | 345 | 190      | 28  | 154              | 94  | 70    | 18 | 26   | 17,5      | 50 |    |
| 80-20B3  |          |                |         | 2,5x3  | 4980                   | 233630                         | 882760                                     | 125      | 470 | 190      | 28  | 154              | 94  | 70    | 18 | 26   | 17,5      | 50 |    |
| 100-12B2 | 100      | 12             | 7,938   | 2,5x2  | 3010                   | 107610                         | 445960                                     | 145      | 240 | 209      | 28  | 173              | 112 | 76    | 18 | 26   | 17,5      | 50 |    |
| 100-12B3 |          |                |         | 2,5x3  | 4520                   | 152510                         | 668940                                     | 145      | 312 | 209      | 28  | 173              | 112 | 76    | 18 | 26   | 17,5      | 50 |    |
| 100-16B2 |          | 16             | 9,525   | 2,5x2  | 4000                   | 181250                         | 744250                                     | 150      | 308 | 228      | 32  | 185              | 114 | 80    | 22 | 32   | 21,5      | 60 |    |
| 100-16B3 |          |                |         | 2,5x3  | 5950                   | 256840                         | 1116370                                    | 150      | 404 | 228      | 32  | 185              | 114 | 80    | 22 | 32   | 21,5      | 60 |    |
| 100-20B2 |          | 20             |         | 2,5x2  | 4000                   | 181230                         | 744250                                     | 150      | 350 | 228      | 32  | 185              | 114 | 80    | 22 | 32   | 21,5      | 60 |    |
| 100-20B3 |          |                |         | 2,5x3  | 5950                   | 256840                         | 1116370                                    | 150      | 475 | 228      | 32  | 185              | 114 | 80    | 22 | 32   | 21,5      | 60 |    |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulką przy naprężeniu wstępnym rzędu 10 % nośności dynamicznej i istniejącym obciążeniu osiowym.

### Typ FDW

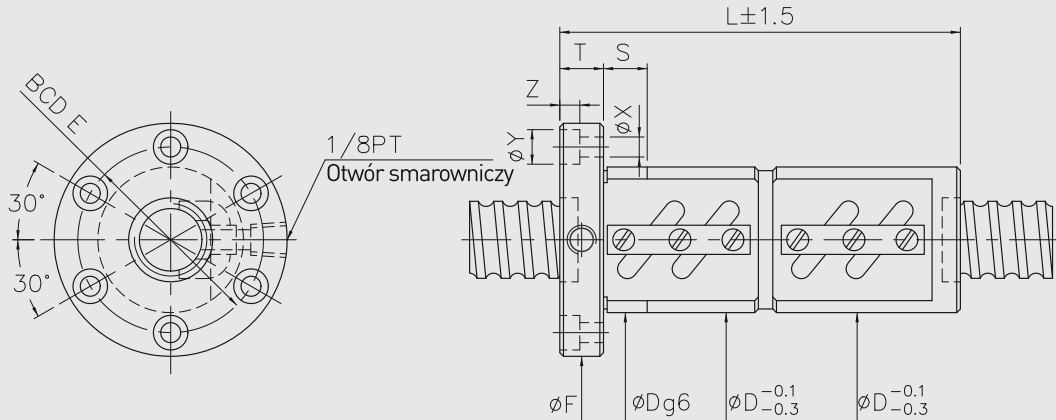


| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    |       | Śruba |     |     | Pasowanie |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-------|-------|-----|-----|-----------|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            | D        | L   | F        | T  | BCD-E | X     | Y   | Z   | S         |
| 16-5B2  | 16       | 5              | 3,175   | 2,5x2  | 650                   | 13850                          | 27990                                      | 40       | 110 | 64       | 12 | 51    | 5,5   | 9,5 | 5,5 | 24        |
| 16-5B1  |          |                |         | 2,5x1  | 320                   | 7630                           | 14000                                      | 40       | 80  | 64       | 12 | 51    | 5,5   | 9,5 | 5,5 | 24        |
| 16-5C1  |          |                |         | 3,5x1  | 460                   | 10130                          | 19460                                      | 40       | 90  | 64       | 12 | 51    | 5,5   | 9,5 | 5,5 | 24        |
| 20-5B1  | 20       | 6              | 3,969   | 2,5x1  | 380                   | 8370                           | 17330                                      | 44       | 80  | 68       | 12 | 55    | 5,5   | 9,5 | 5,5 | 24        |
| 20-5B2  |          |                |         | 2,5x2  | 760                   | 15190                          | 34650                                      | 44       | 110 | 68       | 12 | 55    | 5,5   | 9,5 | 5,5 | 24        |
| 20-6B1  |          |                |         | 2,5x1  | 400                   | 11390                          | 21870                                      | 48       | 92  | 72       | 12 | 59    | 5,5   | 9,5 | 5,5 | 24        |
| 20-6C1  |          |                |         | 3,5x1  | 550                   | 15120                          | 30410                                      | 48       | 104 | 72       | 12 | 59    | 5,5   | 9,5 | 5,5 | 24        |
| 25-5A2  | 25       | 5              | 3,175   | 1,5x2  | 540                   | 10920                          | 26220                                      | 50       | 102 | 73       | 11 | 61    | 5,5   | 9,5 | 5,5 | 24        |
| 25-5B1  |          |                |         | 2,5x1  | 460                   | 9390                           | 22090                                      | 50       | 80  | 74       | 12 | 62    | 5,5   | 9,5 | 5,5 | 24        |
| 25-5B2  |          |                |         | 2,5x2  | 900                   | 17040                          | 44170                                      | 50       | 110 | 74       | 12 | 62    | 5,5   | 9,5 | 5,5 | 24        |
| 25-5C1  |          |                |         | 3,5x1  | 680                   | 12520                          | 30850                                      | 50       | 90  | 74       | 12 | 62    | 5,5   | 9,5 | 5,5 | 24        |
| 25-6B2  |          | 6              | 3,969   | 2,5x2  | 940                   | 23040                          | 55240                                      | 56       | 128 | 82       | 12 | 69    | 6,6   | 11  | 6,5 | 24        |
| 25-6C1  |          |                |         | 3,5x1  | 660                   | 16900                          | 38440                                      | 56       | 104 | 82       | 12 | 69    | 6,6   | 11  | 6,5 | 24        |
| 25-10B1 |          | 10             | 4,763   | 2,5x1  | 480                   | 15920                          | 32370                                      | 60       | 122 | 86       | 16 | 73    | 6,6   | 11  | 6,5 | 24        |
| 28-5B1  | 28       | 5              | 3,175   | 2,5x1  | 510                   | 9840                           | 24660                                      | 55       | 80  | 85       | 12 | 69    | 6,6   | 11  | 6,5 | 24        |
| 28-5B2  |          |                |         | 2,5x2  | 980                   | 17850                          | 49320                                      | 55       | 110 | 85       | 12 | 69    | 6,6   | 11  | 6,5 | 24        |
| 28-6A2  |          | 6              |         |        | 1,5x2                 | 590                            | 11500                                      | 29600    | 55  | 110      | 85 | 12    | 69    | 6,6 | 11  | 6,5       |
| 28-6B2  | 2,5x2    |                |         |        | 980                   | 17760                          | 49800                                      | 55       | 123 | 85       | 12 | 69    | 6,6   | 11  | 6,5 | 24        |
| 32-4B2  | 32       | 4              | 2,381   | 2,5x2  | 910                   | 10710                          | 35820                                      | 54       | 93  | 81       | 12 | 67    | 6,6   | 11  | 6,5 | 24        |
| 32-5B1  |          | 5              | 3,175   | 2,5x1  | 550                   | 10390                          | 28330                                      | 58       | 80  | 84       | 12 | 71    | 6,6   | 11  | 6,5 | 24        |
| 32-5B2  |          |                |         | 2,5x2  | 1090                  | 18860                          | 56660                                      | 58       | 110 | 84       | 12 | 71    | 6,6   | 11  | 6,5 | 24        |
| 32-5C1  |          |                |         | 3,5x1  | 760                   | 13880                          | 39670                                      | 58       | 90  | 84       | 12 | 71    | 6,6   | 11  | 6,5 | 24        |
| 32-6B1  |          | 6              | 3,969   | 2,5x1  | 570                   | 14090                          | 35100                                      | 62       | 92  | 88       | 12 | 75    | 6,6   | 11  | 6,5 | 24        |
| 32-6B2  |          |                |         | 2,5x2  | 1120                  | 25560                          | 70200                                      | 62       | 128 | 88       | 12 | 75    | 6,6   | 11  | 6,5 | 24        |
| 32-6C1  |          |                |         | 3,5x1  | 780                   | 18880                          | 49360                                      | 62       | 104 | 88       | 12 | 75    | 6,6   | 11  | 6,5 | 24        |
| 32-8A2  |          | 8              | 4,763   | 1,5x2  | 700                   | 20820                          | 51510                                      | 66       | 135 | 100      | 15 | 82    | 9     | 14  | 8,5 | 30        |
| 32-8B1  |          |                |         | 2,5x1  | 580                   | 18100                          | 42270                                      | 66       | 110 | 100      | 16 | 82    | 9     | 14  | 8,5 | 30        |
| 32-8B2  |          |                |         | 2,5x2  | 1150                  | 32840                          | 84530                                      | 66       | 158 | 100      | 16 | 82    | 9     | 14  | 8,5 | 30        |
| 32-8B3  |          |                |         | 2,5x3  | 1680                  | 46530                          | 126780                                     | 74       | 205 | 108      | 16 | 90    | 9     | 14  | 8,5 | 30        |
| 32-8C1  |          | 10             | 6,35    | 3,5x1  | 820                   | 24280                          | 59480                                      | 66       | 126 | 100      | 16 | 82    | 9     | 14  | 8,5 | 30        |
| 32-10A2 |          |                |         | 1,5x2  | 720                   | 30510                          | 66120                                      | 74       | 167 | 108      | 15 | 90    | 9     | 14  | 8,5 | 30        |
| 32-10B1 |          |                |         | 2,5x1  | 580                   | 26510                          | 56000                                      | 74       | 122 | 108      | 16 | 90    | 9     | 14  | 8,5 | 30        |
| 32-10B2 |          |                |         | 2,5x2  | 1180                  | 48100                          | 111990                                     | 74       | 182 | 108      | 16 | 90    | 9     | 14  | 8,5 | 30        |
| 32-10C1 |          |                |         | 3,5x1  | 860                   | 35190                          | 77850                                      | 74       | 142 | 108      | 16 | 90    | 9     | 14  | 8,5 | 30        |

# Mechanizmy śrubowo-toczone

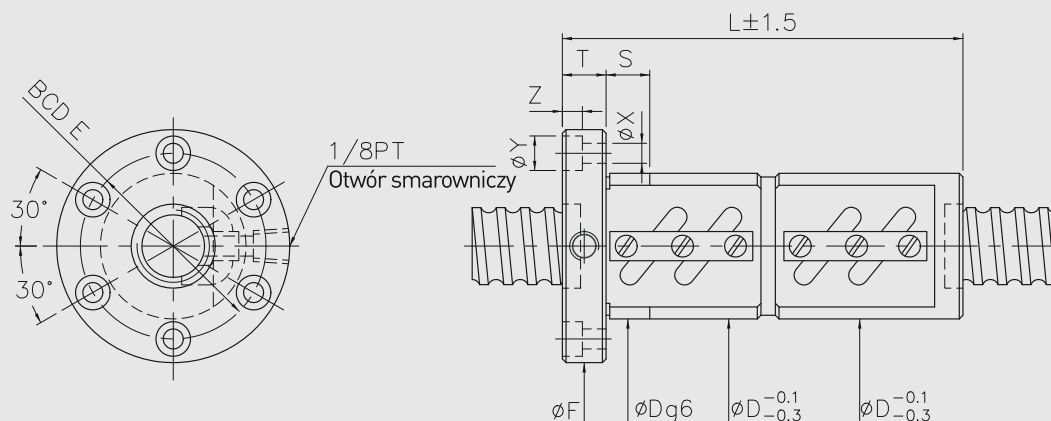
## Szlifowane precyzyjnie

### Typ FDW



| Model   | Wielkość<br>Ø znam. | Skok<br>gwintu | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |     |      |     | Pasowanie |
|---------|---------------------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-------|-----|------|-----|-----------|
|         |                     |                |         |        |                       |                                |                                            | D        | L   | F        | T  | BCD-E | X   | Y    | Z   | S         |
| 32-12B1 | 32                  | 12             | 6,35    | 2,5x1  | 620                   | 26020                          | 55100                                      | 74       | 153 | 108      | 18 | 90    | 9   | 14   | 8,5 | 30        |
| 32-12B2 |                     |                |         | 2,5x2  | 1180                  | 48100                          | 111990                                     | 74       | 232 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 32-12C1 |                     |                |         | 3,5x1  | 840                   | 35180                          | 77840                                      | 74       | 166 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 36-6B1  | 36                  | 6              | 3,969   | 2,5x1  | 620                   | 14860                          | 39690                                      | 65       | 92  | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 24        |
| 36-6B2  |                     |                |         | 2,5x2  | 1210                  | 26960                          | 79370                                      | 65       | 128 | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 24        |
| 36-12A2 |                     | 12             | 4,763   | 1,5x2  | 800                   | 25570                          | 66930                                      | 70       | 155 | 108      | 15 | 90    | 9   | 14   | 8,5 | 30        |
| 36-12B1 |                     |                |         | 2,5x1  | 670                   | 28120                          | 63340                                      | 75       | 126 | 120      | 16 | 98    | 11  | 17,5 | 11  | 30        |
| 36-10B2 |                     | 10             | 6,35    | 2,5x2  | 1320                  | 51050                          | 126690                                     | 75       | 184 | 120      | 18 | 98    | 11  | 17,5 | 11  | 30        |
| 36-12B2 |                     | 12             |         | 2,5x2  | 1300                  | 51050                          | 126680                                     | 75       | 206 | 120      | 18 | 98    | 11  | 17,5 | 11  | 30        |
| 36-8A2  | 36                  | 8              | 4,763   | 1,5x2  | 770                   | 22170                          | 56690                                      | 70       | 135 | 108      | 15 | 90    | 9   | 14   | 8,5 | 30        |
| 36-8B2  |                     |                |         | 2,5x2  | 1260                  | 34890                          | 96060                                      | 70       | 158 | 108      | 15 | 90    | 9   | 14   | 8,5 | 30        |
| 40-5B1  | 40                  | 5              | 3,175   | 2,5x1  | 650                   | 11410                          | 35670                                      | 68       | 84  | 102      | 16 | 84    | 9   | 14   | 8,5 | 30        |
| 40-5B2  |                     |                |         | 2,5x2  | 1320                  | 20710                          | 71340                                      | 68       | 114 | 102      | 16 | 84    | 9   | 14   | 8,5 | 30        |
| 40-6B2  |                     | 6              | 3,969   | 2,5x2  | 1360                  | 28170                          | 88550                                      | 70       | 132 | 104      | 16 | 86    | 9   | 14   | 8,5 | 30        |
| 40-8B1  |                     | 8              | 4,763   | 2,5x1  | 690                   | 20030                          | 53020                                      | 74       | 110 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 40-8B2  |                     |                |         | 2,5x2  | 1370                  | 36340                          | 106030                                     | 74       | 158 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 40-8B3  |                     |                |         | 2,5x3  | 2000                  | 51500                          | 159040                                     | 74       | 210 | 108      | 15 | 90    | 9   | 14   | 8,5 | 30        |
| 40-8C1  |                     |                |         | 3,5x1  | 960                   | 26790                          | 74380                                      | 74       | 126 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 40-10A2 |                     | 10             | 6,35    | 1,5x2  | 870                   | 34180                          | 83980                                      | 82       | 170 | 124      | 18 | 102   | 11  | 17,5 | 11  | 30        |
| 40-10B1 |                     |                |         | 2,5x1  | 720                   | 29590                          | 70690                                      | 84       | 132 | 125      | 18 | 104   | 11  | 17,5 | 11  | 30        |
| 40-10B2 |                     |                |         | 2,5x2  | 1450                  | 53700                          | 141380                                     | 84       | 192 | 125      | 18 | 104   | 11  | 17,5 | 11  | 30        |
| 40-10C1 |                     |                |         | 3,5x1  | 1020                  | 39320                          | 98410                                      | 84       | 152 | 125      | 18 | 104   | 11  | 17,5 | 11  | 30        |
| 40-12A2 |                     | 12             | 7,144   | 1,5x2  | 880                   | 40060                          | 94040                                      | 86       | 160 | 128      | 18 | 106   | 11  | 17,5 | 11  | 30        |
| 40-12B1 |                     |                |         | 2,5x1  | 700                   | 34250                          | 78370                                      | 86       | 153 | 128      | 18 | 106   | 11  | 17,5 | 11  | 40        |
| 40-12B2 |                     |                |         | 2,5x2  | 1410                  | 62170                          | 156740                                     | 86       | 225 | 128      | 18 | 106   | 11  | 17,5 | 11  | 40        |
| 40-12C1 |                     |                |         | 3,5x1  | 1030                  | 46370                          | 111460                                     | 86       | 179 | 128      | 18 | 106   | 11  | 17,5 | 11  | 30        |
| 40-16A2 |                     | 16             | 7,144   | 1,5x2  | 830                   | 40070                          | 94050                                      | 86       | 214 | 128      | 18 | 106   | 11  | 17,5 | 11  | 40        |
| 40-16B1 |                     |                |         | 2,5x1  | 720                   | 34250                          | 78370                                      | 86       | 182 | 128      | 18 | 106   | 11  | 17,5 | 11  | 40        |
| 40-16B2 |                     |                |         | 2,5x2  | 1430                  | 62160                          | 156740                                     | 86       | 272 | 128      | 22 | 106   | 11  | 17,5 | 11  | 30        |
| 45-10B1 | 45                  | 10             | 6,35    | 2,5x1  | 760                   | 31110                          | 79530                                      | 88       | 134 | 132      | 18 | 110   | 11  | 17,5 | 11  | 30        |
| 45-10B2 |                     |                |         | 2,5x2  | 1560                  | 56550                          | 159050                                     | 88       | 194 | 132      | 18 | 110   | 11  | 17,5 | 11  | 30        |
| 45-12B2 |                     | 12             | 7,938   | 2,5x2  | 1620                  | 76270                          | 197990                                     | 96       | 230 | 142      | 22 | 117   | 13  | 20   | 13  | 40        |
| 45-16B2 |                     | 16             | 7,144   | 2,5x2  | 1580                  | 66360                          | 178950                                     | 90       | 278 | 132      | 18 | 110   | 11  | 17,5 | 11  | 30        |
| 50-5A2  | 50                  | 5              | 3,175   | 1,5x2  | 960                   | 14470                          | 53820                                      | 80       | 107 | 114      | 16 | 96    | 9   | 14   | 8,5 | 30        |

### Typ FDW

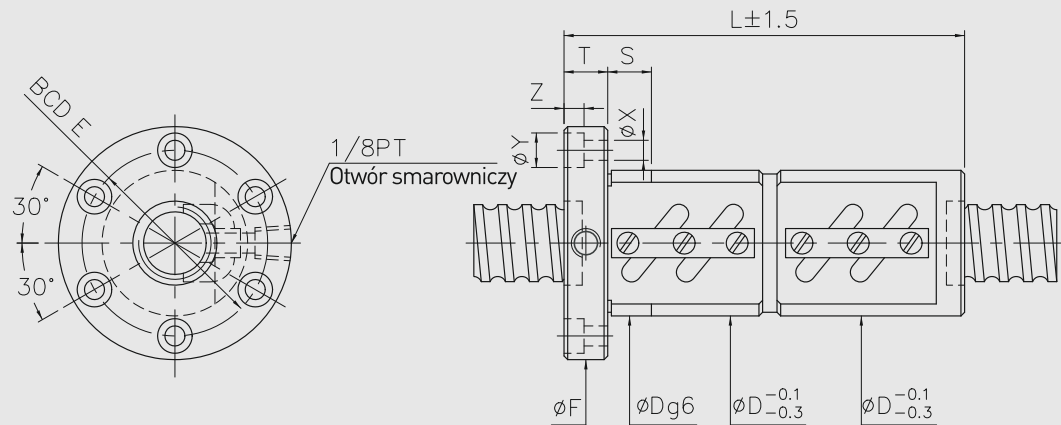


| Model   | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |     |       | Śruba |      |      | Pasowanie |
|---------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|-----|-------|-------|------|------|-----------|
|         | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            | D        | L   | F        | T   | BCD-E | X     | Y    | Z    |           |
| 50-5A3  | 50       | 5              | 3,175   | 1,5x3  | 1430                  | 20510                          | 80720                                      | 80       | 127 | 114      | 16  | 96    | 9     | 14   | 8,5  | 30        |
| 50-6B2  |          | 6              | 3,969   | 2,5x2  | 1610                  | 30930                          | 111490                                     | 84       | 134 | 118      | 16  | 100   | 9     | 14   | 8,5  | 30        |
| 50-6B3  |          |                |         | 2,5x3  | 2350                  | 43840                          | 167230                                     | 84       | 170 | 118      | 16  | 100   | 9     | 14   | 8,5  | 30        |
| 50-8B1  |          | 8              | 4,763   | 2,5x1  | 810                   | 22060                          | 67050                                      | 87       | 112 | 128      | 18  | 107   | 11    | 17,5 | 11   | 30        |
| 50-8B2  |          |                |         | 2,5x2  | 1650                  | 40040                          | 134090                                     | 87       | 160 | 128      | 18  | 107   | 11    | 17,5 | 11   | 30        |
| 50-8B3  |          |                |         | 2,5x3  | 2440                  | 56740                          | 201140                                     | 87       | 208 | 128      | 18  | 107   | 11    | 17,5 | 11   | 30        |
| 50-10B1 |          | 10             | 6,35    | 2,5x1  | 880                   | 32450                          | 89180                                      | 93       | 133 | 135      | 18  | 113   | 11    | 17,5 | 11   | 30        |
| 50-10B2 |          |                |         | 2,5x2  | 1730                  | 59230                          | 176700                                     | 94       | 194 | 135      | 18  | 114   | 11    | 17,5 | 11   | 30        |
| 50-10B3 |          |                |         | 2,5x3  | 2550                  | 83940                          | 265050                                     | 94       | 254 | 135      | 18  | 114   | 11    | 17,5 | 11   | 30        |
| 50-10C1 |          |                |         | 3,5x1  | 1200                  | 43930                          | 124810                                     | 94       | 154 | 135      | 18  | 114   | 11    | 17,5 | 11   | 30        |
| 50-12B1 |          | 12             | 7,938   | 2,5x1  | 900                   | 43670                          | 109180                                     | 100      | 159 | 146      | 22  | 122   | 14    | 20   | 13   | 40        |
| 50-12B2 |          | 12             |         | 2,5x2  | 1780                  | 80220                          | 220940                                     | 102      | 232 | 150      | 22  | 125   | 13    | 20   | 13   | 40        |
| 50-12C1 |          | 3,5x1          |         | 1230   | 58750                 | 153800                         | 102                                        | 184      | 150 | 22       | 125 | 13    | 20    | 13   | 40   |           |
| 50-16B2 |          | 16             |         | 2,5x2  | 1740                  | 79180                          | 218370                                     | 100      | 280 | 146      | 22  | 122   | 14    | 20   | 13   | 40        |
| 50-20B1 |          | 20             |         | 2,5x1  | 900                   | 43670                          | 109180                                     | 100      | 227 | 146      | 28  | 122   | 14    | 20   | 13   | 40        |
| 55-10C1 | 55       | 10             | 6,35    | 3,5x1  | 1320                  | 45620                          | 136610                                     | 100      | 154 | 140      | 18  | 118   | 11    | 17,5 | 11   | 40        |
| 55-12B2 |          | 12             | 7,938   | 2,5x2  | 1850                  | 83920                          | 243900                                     | 105      | 232 | 154      | 22  | 127   | 13    | 20   | 13   | 40        |
| 63-8A2  | 63       | 8              | 4,763   | 1,5x2  | 1070                  | 28260                          | 101290                                     | 104      | 142 | 146      | 18  | 124   | 11    | 17,5 | 11   | 40        |
| 63-8A3  |          |                |         | 1,5x3  | 1540                  | 40040                          | 151930                                     | 104      | 174 | 146      | 18  | 124   | 11    | 17,5 | 11   | 40        |
| 63-10B2 |          | 10             | 6,35    | 2,5x2  | 2060                  | 65330                          | 223710                                     | 110      | 196 | 152      | 20  | 130   | 11    | 17,5 | 11   | 30        |
| 63-10B3 |          |                |         | 2,5x3  | 3050                  | 92580                          | 335560                                     | 110      | 256 | 152      | 20  | 130   | 11    | 17,5 | 11   | 30        |
| 63-12B2 |          | 12             | 7,938   | 2,5x2  | 2140                  | 89430                          | 280620                                     | 118      | 232 | 166      | 22  | 141   | 13    | 20   | 13   | 40        |
| 63-16B2 |          | 16             | 9,525   | 2,5x2  | 2800                  | 148620                         | 460090                                     | 124      | 296 | 172      | 22  | 147   | 13    | 20   | 13   | 40        |
| 63-20B2 |          | 20             |         | 2,5x2  | 2800                  | 148620                         | 460090                                     | 124      | 334 | 172      | 22  | 147   | 13    | 20   | 13   | 40        |
| 70-10B2 | 70       | 10             | 6,35    | 2,5x2  | 2280                  | 68430                          | 250110                                     | 124      | 196 | 170      | 20  | 145   | 13    | 20   | 13   | 40        |
| 70-10B3 |          |                |         | 2,5x3  | 3340                  | 96980                          | 375160                                     | 124      | 256 | 170      | 20  | 145   | 13    | 20   | 13   | 40        |
| 70-12B2 |          | 12             | 7,938   | 2,5x2  | 2360                  | 93820                          | 312750                                     | 130      | 232 | 178      | 22  | 152   | 13    | 20   | 13   | 40        |
| 70-12B3 |          |                |         | 2,5x3  | 3360                  | 132960                         | 469120                                     | 130      | 302 | 178      | 22  | 152   | 13    | 20   | 13   | 40        |
| 70-20B2 |          | 20             | 9,525   | 2,5x2  | 3000                  | 156440                         | 515020                                     | 130      | 325 | 186      | 28  | 158   | 18    | 26   | 17,5 | 60        |
| 80-10B2 | 80       | 10             | 6,35    | 2,5x2  | 2510                  | 72020                          | 285380                                     | 130      | 200 | 178      | 22  | 152   | 13    | 20   | 13   | 40        |
| 80-10B3 |          |                |         | 2,5x3  | 3680                  | 102070                         | 428070                                     | 130      | 260 | 178      | 22  | 152   | 13    | 20   | 13   | 40        |
| 80-12B2 |          | 12             | 7,938   | 2,5x2  | 2570                  | 97970                          | 354220                                     | 136      | 232 | 185      | 22  | 159   | 13    | 20   | 13   | 40        |
| 80-12B3 |          |                |         | 2,5x3  | 3800                  | 138840                         | 531320                                     | 136      | 302 | 185      | 22  | 159   | 13    | 20   | 13   | 40        |
| 80-16B2 |          | 16             | 9,525   | 2,5x2  | 3400                  | 164850                         | 588510                                     | 145      | 302 | 210      | 28  | 174   | 18    | 26   | 17,5 | 50        |

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

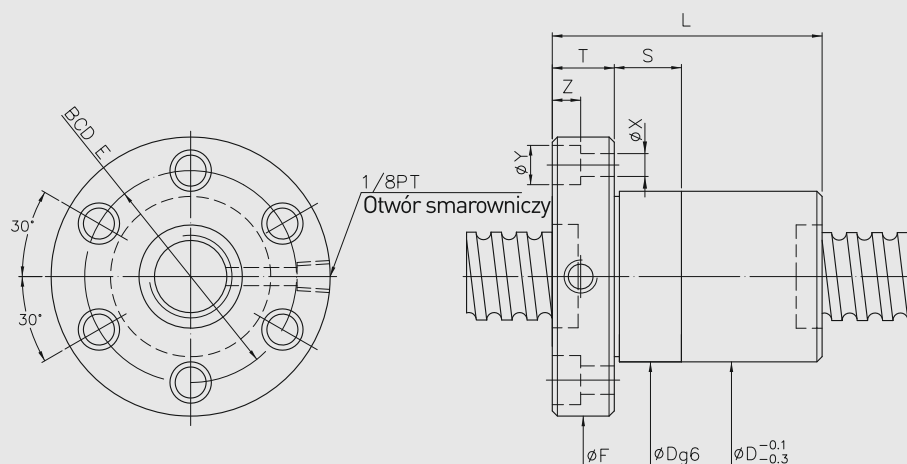
### Typ FDW



| Model    | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kołnierz |    | Śruba |    |    |      | Pasowanie |
|----------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|-----|----------|----|-------|----|----|------|-----------|
|          | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      | D        | L   | F        | T  | BCD-E | X  | Y  | Z    | S         |
| 80-16B3  | 80       | 16          | 9,525   | 2,5x3  | 4980               | 233630                   | 882760                               | 145      | 398 | 210      | 28 | 174   | 18 | 26 | 17,5 | 50        |
| 80-20B2  |          | 20          |         | 2,5x2  | 3380               | 164850                   | 588510                               | 145      | 345 | 210      | 28 | 174   | 18 | 26 | 17,5 | 50        |
| 80-20B3  |          |             |         | 2,5x3  | 4980               | 233630                   | 882760                               | 145      | 470 | 210      | 28 | 174   | 18 | 26 | 17,5 | 50        |
| 100-12B2 | 100      | 12          | 7,938   | 2,5x2  | 3010               | 107610                   | 445960                               | 160      | 240 | 224      | 28 | 188   | 18 | 26 | 17,5 | 50        |
| 100-12B3 |          |             |         | 2,5x3  | 4520               | 152510                   | 668940                               | 160      | 312 | 224      | 28 | 188   | 18 | 26 | 17,5 | 50        |
| 100-16B2 |          | 16          | 9,525   | 2,5x2  | 4000               | 181230                   | 744250                               | 170      | 308 | 248      | 32 | 205   | 22 | 32 | 21,5 | 60        |
| 100-16B3 |          |             |         | 2,5x3  | 5950               | 256840                   | 116370                               | 170      | 404 | 248      | 32 | 205   | 22 | 32 | 21,5 | 60        |
| 100-20B2 |          | 20          |         | 2,5x2  | 4000               | 181230                   | 744250                               | 170      | 350 | 248      | 32 | 205   | 22 | 32 | 21,5 | 60        |
| 100-20B3 |          |             |         | 2,5x3  | 5950               | 256840                   | 116370                               | 170      | 475 | 248      | 32 | 205   | 22 | 32 | 21,5 | 60        |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulką przy naprężeniu wstępnym rzędu 10 % nośności dynamicznej i istniejącym obciążeniu osiowym.

### Typ FSI



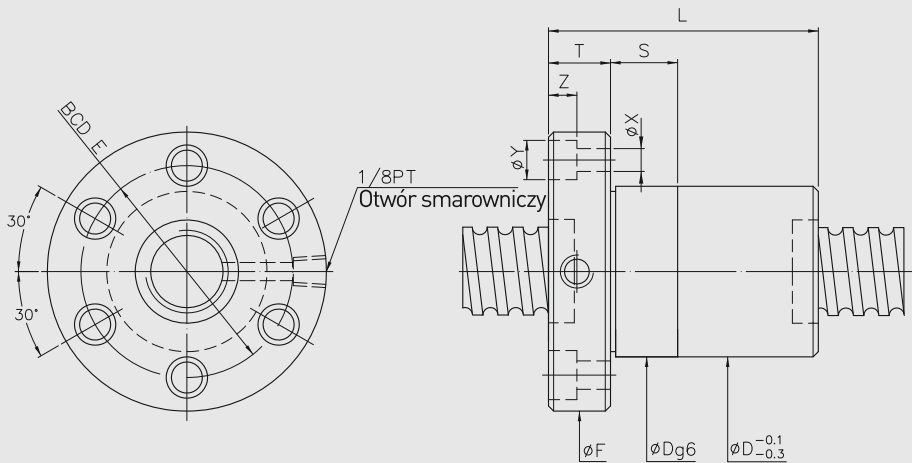
| Model     | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |    |    | Kotnierz |       |     | Śruba |     |     | Pasowanie |
|-----------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|----|----|----------|-------|-----|-------|-----|-----|-----------|
|           | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            |          |    |    |          |       |     |       |     |     |           |
|           |          |                |         |        |                       |                                |                                            | D        | L  | F  | T        | BCD-E | X   | Y     | Z   | S   |           |
| 8-2,5T3   | 8        | 2,5            | 1,5     | 3      | 80                    | 1700                           | 2670                                       | 16       | 18 | 28 | 35       | 5     | 27  | 4,5   | 0   | 0   | 0         |
| 14-2,54T3 | 14       | 2,54           | 2       | 3      | 120                   | 3390                           | 6550                                       | 28       | 30 | 39 | 50       | 10,6  | 40  | 5     | 7   | 5   | 0         |
| 14-4T3    |          | 4              |         | 3      | 120                   | 3390                           | 6550                                       | 24       | 26 | 33 | 48       | 6     | 36  | 5,5   | 9,5 | 5,5 | 0         |
| 16-2T3    | 16       | 2              | 1,5     | 3      | 140                   | 2520                           | 5930                                       | 25       | 27 | 36 | 44       | 10    | 35  | 5,5   | 9,5 | 5,5 | 0         |
| 16-2,5T4  |          | 2,5            |         | 4      | 190                   | 3580                           | 8620                                       | 25       | 27 | 44 | 44       | 10    | 35  | 5,5   | 9,5 | 5,5 | 12        |
| 16-5T3    |          | 5              | 3,175   | 3      | 110                   | 7310                           | 13310                                      | 28       | 30 | 46 | 54       | 12    | 41  | 5,5   | 9,5 | 5,5 | 12        |
| 16-5T4    |          |                |         | 4      | 120                   | 9360                           | 17750                                      | 28       | 30 | 52 | 54       | 12    | 41  | 5,5   | 9,5 | 5,5 | 12        |
| 16-6T4    | 20       | 6              | 1,5     | 4      | 210                   | 9360                           | 17750                                      | 30       | 32 | 58 | 54       | 12    | 42  | 5,5   | 9,5 | 5,5 | 12        |
| 20-2T6    |          | 2              |         | 6      | 320                   | 5180                           | 15510                                      | 30       | 32 | 52 | 52       | 10    | 40  | 5,5   | 9,5 | 5,5 | 12        |
| 20-2T4    |          | 2              | 1,5     | 4      | 360                   | 3990                           | 11120                                      | 30       | 32 | 40 | 52       | 10    | 40  | 5,5   | 9,5 | 5,5 | 12        |
| 20-2,5T5  |          |                |         | 2,5    | 5                     | 280                            | 6370                                       | 16350    | 34 | 36 | 51       | 59    | 12  | 47    | 5,5 | 9,5 | 5,5       |
| 20-2,54T6 |          | 2,54           | 2       | 6      | 330                   | 7450                           | 19620                                      | 34       | 36 | 55 | 59       | 12    | 47  | 5,5   | 9,5 | 5,5 | 12        |
| 20-4T3    |          | 4              |         | 2,381  | 3                     | 170                            | 5090                                       | 11340    | 34 | 36 | 40       | 59    | 10  | 47    | 5,5 | 9,5 | 5,5       |
| 20-5T3    |          | 5              | 3,175   | 3      | 200                   | 8520                           | 17670                                      | 32       | 34 | 46 | 57       | 12    | 45  | 5,5   | 9,5 | 5,5 | 12        |
| 20-5T4    |          |                |         | 4      | 270                   | 10910                          | 23560                                      | 32       | 34 | 53 | 57       | 12    | 45  | 5,5   | 9,5 | 5,5 | 12        |
| 20-6T3    |          | 6              | 3,969   | 3      | 200                   | 10910                          | 20810                                      | 34       | 36 | 51 | 60       | 12    | 48  | 5,5   | 9,5 | 5,5 | 12        |
| 20-6T4    |          |                |         | 4      | 270                   | 13980                          | 27740                                      | 34       | 36 | 61 | 60       | 12    | 48  | 5,5   | 9,5 | 5,5 | 12        |
| 20-10T3   | 25       | 10             | 4,763   | 3      | 200                   | 10910                          | 20800                                      | 33       | 35 | 64 | 57       | 12    | 45  | 5,5   | 9,5 | 5,5 | 12        |
| 25-2T6    |          | 2              |         | 1,5    | 6                     | 390                            | 5600                                       | 19600    | 34 | 36 | 50       | 55    | 10  | 46    | 5,5 | 9,5 | 5,5       |
| 25-2T4    |          |                | 4       |        | 270                   | 3950                           | 13070                                      | 34       | 36 | 40 | 55       | 10    | 46  | 5,5   | 9,5 | 5,5 | 12        |
| 25-2T3    |          | 2,5            | 2       | 3      | 200                   | 3090                           | 9800                                       | 34       | 36 | 35 | 55       | 10    | 46  | 5,5   | 9,5 | 5,5 | 12        |
| 25-2,5T5  |          |                |         | 5      | 340                   | 7160                           | 21170                                      | 38       | 40 | 52 | 62       | 10    | 51  | 6,6   | 11  | 6,5 | 12        |
| 25-4T4    |          | 4              | 2,381   | 4      | 280                   | 7470                           | 19890                                      | 38       | 40 | 53 | 64       | 12    | 51  | 5,5   | 9,5 | 5,5 | 12        |
| 25-5T3    |          | 5              | 3,175   | 3      | 280                   | 9770                           | 23140                                      | 37       | 40 | 46 | 64       | 12    | 52  | 5,5   | 9,5 | 5,5 | 12        |
| 25-5T4    |          |                |         | 4      | 370                   | 12520                          | 30850                                      | 37       | 40 | 53 | 64       | 12    | 52  | 5,5   | 9,5 | 5,5 | 12        |
| 25-5T5    |          |                |         | 5      | 400                   | 15160                          | 38560                                      | 38       | 40 | 56 | 63       | 11    | 51  | 5,5   | 9,5 | 5,5 | 12        |
| 25-5T6    |          |                |         | 6      | 480                   | 17730                          | 46270                                      | 38       | 40 | 65 | 63       | 11    | 51  | 5,5   | 9,5 | 5,5 | 12        |
| 25-6T3    |          | 3,969          | 3       | 280    | 12720                 | 27620                          | 38                                         | 42       | 51 | 65 | 12       | 53    | 5,5 | 9,5   | 5,5 | 12  |           |
| 25-6T4    |          |                | 4       | 370    | 16280                 | 36820                          | 38                                         | 42       | 61 | 65 | 12       | 53    | 5,5 | 9,5   | 5,5 | 12  |           |
| 25-10T3   |          | 10             | 4,763   | 3      | 250                   | 15910                          | 32360                                      | 42       | 45 | 80 | 69       | 15    | 55  | 6,6   | 11  | 6,5 | 12        |
| 25-10T4   |          |                |         | 4      | 330                   | 20380                          | 43150                                      | 42       | 45 | 69 | 69       | 15    | 55  | 6,6   | 11  | 6,5 | 12        |
| 32-5T3    | 32       | 5              | 3,175   | 3      | 330                   | 11170                          | 30810                                      | 44       | 48 | 46 | 74       | 12    | 60  | 6,6   | 11  | 6,5 | 12        |
| 32-5T4    |          |                |         | 4      | 420                   | 14310                          | 41080                                      | 44       | 48 | 53 | 74       | 12    | 60  | 6,6   | 11  | 6,5 | 12        |
| 32-5T6    |          |                |         | 6      | 630                   | 20270                          | 61620                                      | 44       | 48 | 66 | 74       | 12    | 60  | 6,6   | 11  | 6,5 | 12        |



# Mechanizmy śrubowo-toczone

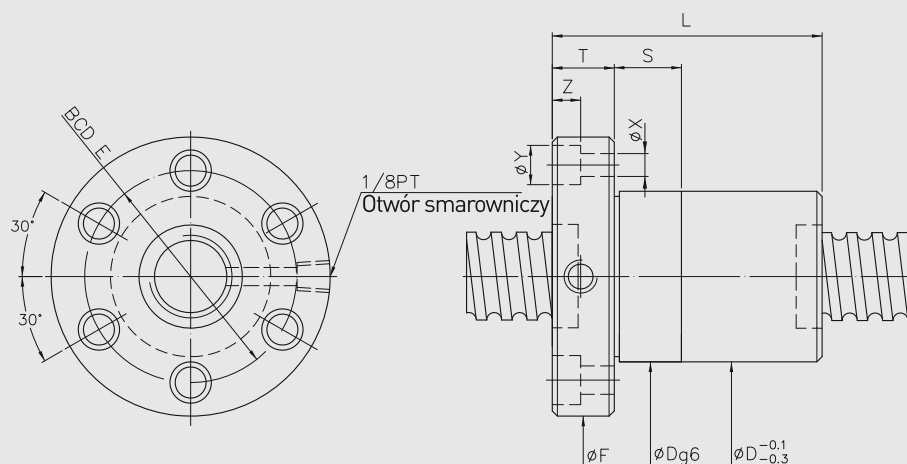
## Szlifowane precyzyjnie

### Typ FSI



| Model     | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |        |     | Kotnierz |       |     | Śruba |      |     | Pasowanie |
|-----------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|--------|-----|----------|-------|-----|-------|------|-----|-----------|
|           | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      |          |        |     |          |       |     |       |      |     |           |
|           |          |             |         |        |                    |                          |                                      | D        | L      | F   | T        | BCD-E | X   | Y     | Z    | S   |           |
| 32-6T3    | 32       | 6           | 3,969   | 3      | 330                | 14460                    | 36200                                | 45       | 50     | 51  | 76       | 12    | 62  | 6,6   | 11   | 6,5 | 12        |
| 32-6T4    |          |             |         | 4      | 430                | 18520                    | 48260                                | 45       | 50     | 61  | 76       | 12    | 62  | 6,6   | 11   | 6,5 | 12        |
| 32-6T6    |          |             |         | 6      | 650                | 26250                    | 72390                                | 45       | 50     | 75  | 76       | 12    | 62  | 6,6   | 11   | 6,5 | 12        |
| 32-8T3    |          | 8           | 4,763   | 3      | 350                | 18100                    | 42270                                | 47       | 52     | 63  | 78       | 16    | 64  | 6,6   | 11   | 6,5 | 12        |
| 32-8T4    |          |             |         | 4      | 470                | 23170                    | 56350                                | 47       | 52     | 74  | 78       | 16    | 64  | 6,6   | 11   | 6,5 | 12        |
| 32-10T3   |          | 10          | 6,35    | 3      | 350                | 25390                    | 53270                                | 51       | 56     | 72  | 82       | 16    | 68  | 6,6   | 11   | 6,5 | 12        |
| 32-10T4   |          |             |         | 4      | 480                | 32520                    | 71020                                | 51       | 56     | 83  | 82       | 16    | 68  | 6,6   | 11   | 6,5 | 12        |
| 40-5T4    | 40       | 5           | 3,175   | 4      | 500                | 15990                    | 52800                                | 51       | 54     | 53  | 80       | 16    | 66  | 6,6   | 11   | 6,5 | 12        |
| 40-5T6    |          |             |         | 6      | 740                | 22650                    | 79190                                | 51       | 54     | 66  | 80       | 16    | 66  | 6,6   | 11   | 6,5 | 12        |
| 40-5,08T6 |          | 5,08        | 6       | 740    | 22650              | 79190                    | 53                                   | 56       | 65     | 90  | 15       | 72    | 9   | 14    | 8,5  | 15  |           |
| 40-6T4    |          | 6           | 3,969   | 4      | 500                | 21360                    | 64200                                | 53       | 56     | 65  | 88       | 16    | 72  | 9     | 14   | 8,5 | 15        |
| 40-6T6    |          |             |         | 6      | 740                | 30280                    | 96300                                | 53       | 56     | 79  | 88       | 16    | 72  | 9     | 14   | 8,5 | 15        |
| 40-8T4    |          | 8           | 4,763   | 4      | 520                | 21320                    | 64210                                | 55       | 60     | 78  | 92       | 16    | 75  | 9     | 14   | 8,5 | 15        |
| 40-8T6    |          |             |         | 6      | 760                | 30210                    | 96320                                | 55       | 60     | 99  | 92       | 16    | 75  | 9     | 14   | 8,5 | 15        |
| 40-10T3   | 10       | 6,35        | 3       | 400    | 29590              | 70690                    | 60                                   | 65       | 76     | 96  | 16       | 80    | 9   | 14    | 8,5  | 15  |           |
| 40-10T4   |          |             | 4       | 510    | 37890              | 94260                    | 60                                   | 65       | 87     | 96  | 16       | 80    | 9   | 14    | 8,5  | 15  |           |
| 50-5T4    | 50       | 5           | 3,175   | 4      | 620                | 17570                    | 67450                                | 62       | 65     | 57  | 96       | 16    | 80  | 9     | 14   | 8,5 | 15        |
| 50-5T6    |          |             |         | 6      | 910                | 24900                    | 101170                               | 62       | 65     | 70  | 96       | 16    | 80  | 9     | 14   | 8,5 | 15        |
| 50-6T4    |          | 6           | 3,969   | 4      | 620                | 23880                    | 82500                                | 64       | 68     | 65  | 100      | 16    | 84  | 9     | 14   | 8,5 | 15        |
| 50-6T6    |          |             |         | 6      | 930                | 33840                    | 123750                               | 64       | 68     | 79  | 100      | 16    | 84  | 9     | 14   | 8,5 | 15        |
| 50-8T4    |          | 8           | 4,763   | 4      | 620                | 29980                    | 95780                                | 65       | 70     | 78  | 102      | 16    | 85  | 9     | 14   | 8,5 | 15        |
| 50-8T6    |          |             |         | 6      | 920                | 42490                    | 143670                               | 65       | 70     | 99  | 102      | 16    | 85  | 9     | 14   | 8,5 | 15        |
| 50-10T3   |          | 10          | 6,35    | 3      | 500                | 33970                    | 92560                                | 69       | 74     | 78  | 114      | 18    | 92  | 11    | 17,5 | 11  | 20        |
| 50-10T4   |          |             |         | 4      | 630                | 43500                    | 123410                               | 69       | 74     | 89  | 114      | 18    | 92  | 11    | 17,5 | 11  | 20        |
| 50-10T6   |          |             |         | 6      | 940                | 61650                    | 185110                               | 69       | 74     | 112 | 114      | 18    | 92  | 11    | 17,5 | 11  | 20        |
| 50-12T3   |          |             |         | 3      | 500                | 44200                    | 110470                               | 73       | 78     | 90  | 118      | 18    | 96  | 11    | 17,5 | 11  | 20        |
| 50-12T4   |          | 12          | 7,938   | 4      | 630                | 56600                    | 147300                               | 73       | 78     | 103 | 118      | 18    | 96  | 11    | 17,5 | 11  | 20        |
| 50-20T4   |          |             |         | 20     | 9,525              | 4                        | 800                                  | 93270    | 239550 | 75  | 78       | 186   | 129 | 28    | 105  | 14  | 20        |
| 63-6T4    | 63       | 6           | 3,969   | 4      | 750                | 26140                    | 105420                               | 78       | 80     | 66  | 119      | 18    | 98  | 11    | 17,5 | 11  | 20        |
| 63-6T6    |          |             |         | 6      | 1130               | 37040                    | 158130                               | 78       | 80     | 81  | 119      | 18    | 98  | 11    | 17,5 | 11  | 20        |
| 63-8T4    |          | 8           | 4,763   | 4      | 770                | 33950                    | 125410                               | 79       | 82     | 80  | 122      | 18    | 100 | 11    | 17,5 | 11  | 20        |
| 63-8T6    |          |             |         | 6      | 1140               | 48120                    | 188110                               | 79       | 82     | 101 | 122      | 18    | 100 | 11    | 17,5 | 11  | 20        |
| 63-10T4   |          | 10          | 6,35    | 4      | 790                | 48600                    | 158580                               | 82       | 88     | 91  | 134      | 20    | 110 | 14    | 20   | 13  | 20        |
| 63-10T6   |          |             |         | 6      | 1150               | 68870                    | 237860                               | 82       | 88     | 114 | 134      | 20    | 110 | 14    | 20   | 13  | 20        |

### Typ FSI



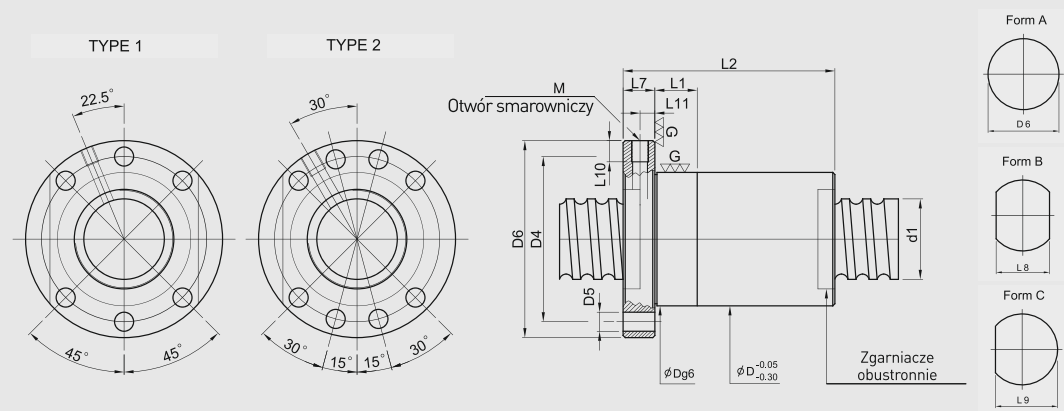
| Model    | Wielkość |                | Ø kulki | Obiegi | Szttywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     |     | Kotnierz |       |     | Śruba |    |      | Pasowanie |
|----------|----------|----------------|---------|--------|------------------------|--------------------------------|--------------------------------------------|----------|-----|-----|----------|-------|-----|-------|----|------|-----------|
|          | Ø znam.  | Skok<br>gwintu |         |        |                        |                                |                                            |          |     |     |          |       |     |       |    |      |           |
|          |          |                |         |        |                        |                                |                                            | D        | L   | F   | T        | BCD-E | X   | Y     | Z  | S    |           |
| 63-12T4  | 63       | 12             | 7,938   | 4      | 780                    | 64790                          | 192930                                     | 86       | 92  | 105 | 138      | 20    | 114 | 14    | 20 | 13   | 20        |
| 63-12T6  |          |                |         | 6      | 1130                   | 91820                          | 289390                                     | 86       | 92  | 133 | 138      | 20    | 114 | 14    | 20 | 13   | 20        |
| 80-10T4  | 80       | 10             | 6,35    | 4      | 960                    | 55590                          | 211180                                     | 99       | 105 | 91  | 152      | 20    | 127 | 14    | 20 | 13   | 20        |
| 80-10T6  |          |                |         | 6      | 1400                   | 78790                          | 316770                                     | 99       | 105 | 114 | 152      | 20    | 127 | 14    | 20 | 13   | 20        |
| 80-12T4  |          | 12             | 7,938   | 4      | 970                    | 74300                          | 256810                                     | 103      | 110 | 109 | 170      | 24    | 138 | 18    | 26 | 17,5 | 25        |
| 80-12T6  |          |                |         | 6      | 1410                   | 105300                         | 385210                                     | 103      | 110 | 137 | 170      | 24    | 138 | 18    | 26 | 17,5 | 25        |
| 80-16T3  |          | 16             | 9,525   | 3      | 950                    | 96630                          | 316220                                     | 108      | 115 | 118 | 174      | 24    | 143 | 18    | 26 | 17,5 | 25        |
| 80-16T4  |          |                |         | 4      | 1300                   | 123750                         | 421620                                     | 108      | 115 | 136 | 174      | 24    | 143 | 18    | 26 | 17,5 | 25        |
| 80-20T3  |          | 20             |         | 3      | 950                    | 96630                          | 316220                                     | 108      | 115 | 138 | 174      | 24    | 143 | 18    | 26 | 17,5 | 25        |
| 80-20T4  |          |                |         | 4      | 1250                   | 123750                         | 421620                                     | 108      | 115 | 161 | 174      | 24    | 143 | 18    | 26 | 17,5 | 25        |
| 100-12T4 | 100      | 12             | 7,938   | 4      | 1050                   | 83060                          | 330010                                     | 123      | 130 | 109 | 190      | 24    | 158 | 18    | 26 | 17,5 | 25        |
| 100-12T6 |          |                |         | 6      | 1750                   | 117720                         | 495020                                     | 123      | 130 | 137 | 190      | 24    | 158 | 18    | 26 | 17,5 | 25        |
| 100-16T4 |          | 16             | 9,525   | 4      | 1070                   | 135690                         | 531610                                     | 125      | 135 | 136 | 194      | 24    | 163 | 18    | 26 | 17,5 | 30        |
| 100-16T6 |          |                |         | 6      | 1400                   | 192300                         | 797410                                     | 125      | 135 | 173 | 194      | 24    | 163 | 18    | 26 | 17,5 | 30        |
| 100-20T4 |          | 20             |         | 4      | 1550                   | 135690                         | 531610                                     | 125      | 135 | 161 | 194      | 24    | 163 | 18    | 26 | 17,5 | 30        |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulą przy obciążeniu osiowym rzędu 30 % nośności dynamicznej.

# Mechanizmy śrubowo-toczone

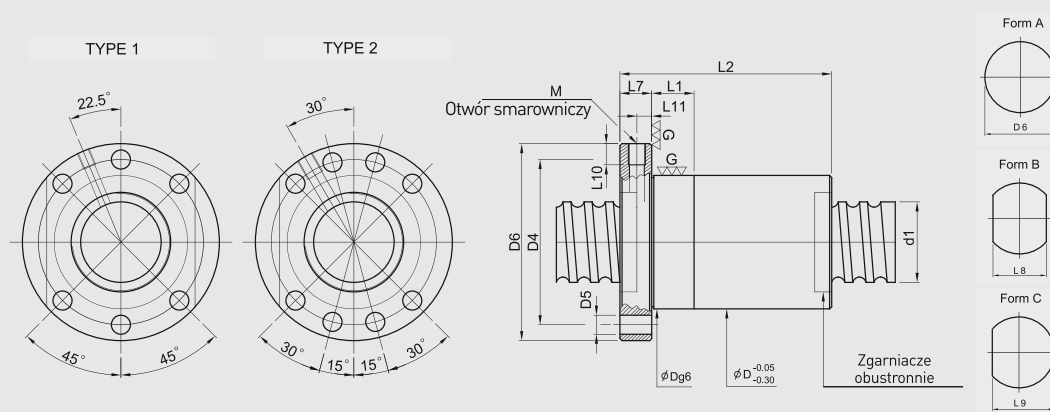
## Szlifowane precyzyjnie

### Typ FSC



| Model   | Ø znam. | Skok gwintu | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C[N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     |     | Kotnierz |              |              |              |      |    |       | Otwór smarowniczy |       |     |
|---------|---------|-------------|---------|--------|--------------------|-------------------------|--------------------------------------|----------|-----|-----|----------|--------------|--------------|--------------|------|----|-------|-------------------|-------|-----|
|         |         |             |         |        |                    |                         |                                      | D        | L1  | L2  | TYP      | Forma A (D6) | Forma B (L8) | Forma C (L9) | L7   | D4 | D5    | M                 | L10   | L11 |
| 20-10K3 | 20      | 10          | 3,175   | K3     |                    | 11340                   | 26600                                | 36       | 16  | 48  | 1        | 58           | 44           | 51           | 12   | 47 | 6,6   | M6×1P             | 8     | 6   |
| 20-20K2 |         | 20          |         | K2     |                    | 7660                    | 17360                                | 36       | 25  | 57  | 1        | 58           | 44           | 51           | 12   | 47 | 6,6   | M6×1P             | 8     | 6   |
| 25-25K2 | 25      | 25          |         | K2     |                    | 8450                    | 21740                                | 40       | 30  | 70  | 1        | 62           | 48           | 55           | 12   | 51 | 6,6   | M6×1P             | 8     | 6   |
| 32-10K5 | 32      | 10          | 6,35    | K5     |                    | 56410                   | 144880                               | 57       | 20  | 77  | 1        | 87           | 69           | 78           | 13   | 72 | 9     | M6×1P             | 8     | 6   |
| 32-12K5 |         | 12          |         | K5     |                    | 56260                   | 144590                               | 57       | 25  | 87  | 1        | 87           | 69           | 78           | 13   | 72 | 9     | M6×1P             | 8     | 6   |
| 32-16K4 |         | 16          |         | K4     |                    | 45730                   | 113900                               | 57       | 20  | 90  | 1        | 87           | 69           | 78           | 13   | 72 | 9     | M6×1P             | 8     | 6   |
| 32-20K3 |         | 20          |         | K3     |                    | 34880                   | 83400                                | 57       | 25  | 87  | 1        | 87           | 69           | 78           | 13   | 72 | 9     | M6×1P             | 8     | 6   |
| 32-20K4 |         |             | K4      |        | 45350              | 113180                  | 57                                   | 25       | 107 | 1   | 87       | 69           | 78           | 13           | 72   | 9  | M6×1P | 8                 | 6     |     |
| 32-20K3 |         |             | 3,969   | K3     |                    | 19040                   | 54380                                | 50       | 25  | 88  | 1        | 80           | 62           | 71           | 13   | 65 | 9     | M6×1P             | 8     | 6   |
| 32-20K4 |         |             |         | K4     |                    | 24760                   | 73800                                | 50       | 25  | 108 | 1        | 80           | 62           | 71           | 13   | 65 | 9     | M6×1P             | 8     | 6   |
| 32-32K2 |         | 32          |         | K2     |                    | 12880                   | 35320                                | 50       | 40  | 88  | 1        | 80           | 62           | 71           | 13   | 65 | 9     | M6×1P             | 8     | 6   |
| 36-10K4 | 36      | 10          | 6,35    | K4     |                    | 49170                   | 130220                               | 61       | 16  | 70  | 2        | 91           | 68           | 79,5         | 15   | 76 | 9     | M8×1P             | 10    | 7   |
| 36-10K5 |         | 12          |         | K5     |                    | 60110                   | 164490                               | 61       | 20  | 80  | 2        | 91           | 68           | 79,5         | 15   | 76 | 9     | M8×1P             | 10    | 7   |
| 36-12K4 |         |             |         | K4     |                    | 49070                   | 130020                               | 61       | 20  | 75  | 2        | 91           | 68           | 79,5         | 15   | 76 | 9     | M8×1P             | 10    | 7   |
| 36-12K5 |         |             |         | K5     |                    | 59980                   | 164230                               | 61       | 25  | 87  | 2        | 91           | 68           | 79,5         | 15   | 76 | 9     | M8×1P             | 10    | 7   |
| 36-36K2 |         | 36          |         |        | K2                 |                         | 25410                                | 65480    | 61  | 40  | 95       | 2            | 91           | 68           | 79,5 | 15 | 76    | 9                 | M8×1P | 10  |
| 40-6K6  | 38      | 6           | 3,969   | K6     |                    | 38520                   | 133200                               | 63       | 10  | 58  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-10K4 |         | 10          |         | K4     |                    | 50560                   | 137980                               | 63       | 16  | 70  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-10K5 |         |             |         | K5     |                    | 61810                   | 174290                               | 63       | 20  | 80  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-10K6 |         |             |         | K6     |                    | 72730                   | 210600                               | 63       | 20  | 90  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-12K4 |         |             |         | 12     | K4                 |                         | 50460                                | 137780   | 63  | 20  | 75       | 2            | 93           | 70           | 81,5 | 15 | 78    | 9                 | M8×1P | 10  |
| 40-12K5 |         | K5          |         |        |                    | 61690                   | 174040                               | 63       | 25  | 87  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-12K6 |         | K6          |         |        |                    | 72600                   | 210300                               | 63       | 25  | 99  | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-16K4 |         | 16          |         |        | K4                 |                         | 50230                                | 137290   | 63  | 20  | 90       | 2            | 93           | 70           | 81,5 | 15 | 78    | 9                 | M8×1P | 10  |
| 40-16K5 |         |             |         | K5     |                    | 61410                   | 173410                               | 63       | 25  | 106 | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-20K4 |         | 20          |         | K4     |                    | 49930                   | 136660                               | 63       | 25  | 108 | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-20K5 |         |             |         | K5     |                    | 61040                   | 172620                               | 63       | 25  | 128 | 2        | 93           | 70           | 81,5         | 15   | 78 | 9     | M8×1P             | 10    | 7   |
| 40-40K2 |         | 40          |         |        | K2                 |                         | 25900                                | 65680    | 63  | 45  | 102      | 2            | 93           | 70           | 81,5 | 15 | 78    | 9                 | M8×1P | 10  |
| 45-6K6  | 45      | 6           | 3,969   | K6     |                    | 41730                   | 160840                               | 68       | 10  | 58  | 2        | 98           | 75           | 86,5         | 15   | 83 | 9     | M8×1P             | 10    | 7   |
| 45-16K4 |         | 16          |         | K4     |                    | 55480                   | 168180                               | 70       | 20  | 93  | 2        | 105          | 80           | 92,5         | 18   | 88 | 11    | M8×1P             | 10    | 9   |
| 45-16K5 |         |             |         | K5     |                    | 67830                   | 212440                               | 70       | 25  | 109 | 2        | 105          | 80           | 92,5         | 18   | 88 | 11    | M8×1P             | 10    | 9   |
| 45-20K4 |         |             |         | 20     | K4                 |                         | 55240                                | 167620   | 70  | 25  | 108      | 2            | 105          | 80           | 92,5 | 18 | 88    | 11                | M8×1P | 10  |

### Typ FSC

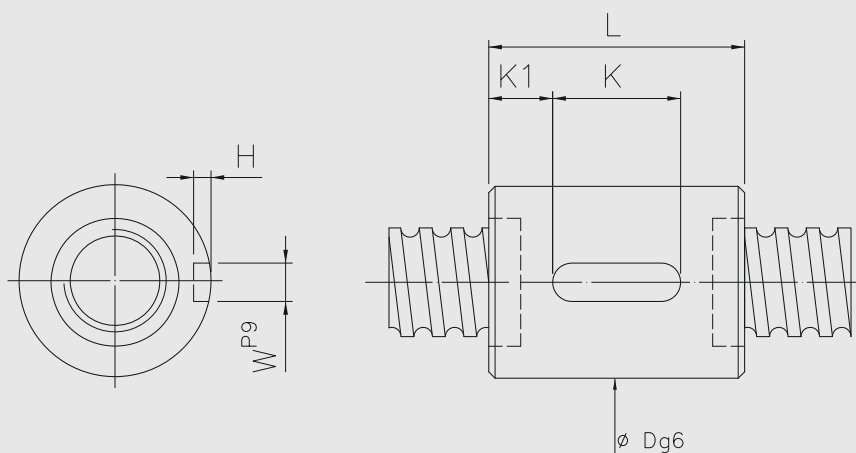


| Model   | Ø znam. | Skok gwintu | Ø kulki | Obiegi | Sztywność K<br>[N/µm] | Nośność dynamiczna<br>C [N] | Nośność statyczna<br>C <sub>0</sub> [N] | Nakrętka |     |     | Kołnierz |              |              |              |     |    |       | Otwór smarowniczy |     |     |
|---------|---------|-------------|---------|--------|-----------------------|-----------------------------|-----------------------------------------|----------|-----|-----|----------|--------------|--------------|--------------|-----|----|-------|-------------------|-----|-----|
|         |         |             |         |        |                       |                             |                                         | D        | L1  | L2  | TYP      | Forma A (D6) | Forma B (L8) | Forma C (L9) | L7  | D4 | D5    | M                 | L10 | L11 |
| 45-20K5 | 45      | 20          | 6,35    | K5     | 67530                 | 211730                      | 70                                      | 25       | 128 | 2   | 105      | 80           | 92,5         | 18           | 88  | 11 | M8×1P | 10                | 9   |     |
| 50-10K4 | 50      | 10          |         | K4     | 57690                 | 184500                      | 75                                      | 16       | 70  | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-10K6 |         |             |         | K6     | 82990                 | 281610                      | 75                                      | 20       | 90  | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-12K4 |         | 12          |         | K4     | 57630                 | 184350                      | 75                                      | 25       | 81  | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-12K6 |         |             |         | K6     | 82900                 | 281380                      | 75                                      | 25       | 105 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-16K4 |         | 16          |         | K4     | 57470                 | 183960                      | 75                                      | 20       | 96  | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-16K6 |         |             |         | K6     | 82670                 | 280780                      | 75                                      | 25       | 128 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-20K4 |         | 20          |         | K4     | 57270                 | 183460                      | 75                                      | 25       | 112 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-20K6 |         |             |         | K6     | 82380                 | 280010                      | 75                                      | 25       | 152 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-25K4 |         | 25          |         | K4     | 56950                 | 182680                      | 75                                      | 30       | 129 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-25K6 |         |             |         | K6     | 81930                 | 278830                      | 75                                      | 30       | 179 | 2   | 110      | 85           | 97,5         | 18           | 93  | 11 | M8×1P | 10                | 9   |     |
| 50-40K2 |         |             |         | 40     | K2                    | 30040                       | 88400                                   | 75       | 45  | 109 | 2        | 110          | 85           | 97,5         | 18  | 93 | 11    | M8×1P             | 10  | 9   |
| 50-40K3 |         |             |         |        | K3                    | 43920                       | 137500                                  | 75       | 45  | 149 | 2        | 110          | 85           | 97,5         | 18  | 93 | 11    | M8×1P             | 10  | 9   |
| 55-6K6  | 55      | 6           | 3,969   | K6     | 45270                 | 197790                      | 102                                     | 10       | 60  | 2   | 144      | 102          | 128          | 18           | 122 | 11 | M8×1P | 10                | 9   |     |

# Mechanizmy śrubowo-toczone

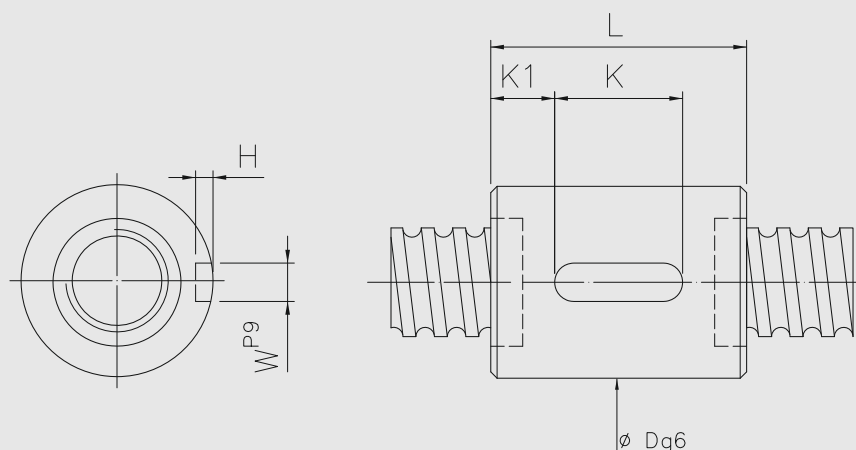
## Szlifowane precyzyjnie

### Typ RSI



| Model   | Wielkość |             | Ø kulki | Obiegi | Sztwywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |    |     | Wpust pasowany |     |      |      |
|---------|----------|-------------|---------|--------|------------------------|--------------------------------|--------------------------------------------|----------|----|-----|----------------|-----|------|------|
|         | Ø znam.  | Skok gwintu |         |        |                        |                                |                                            |          |    |     |                |     |      |      |
|         |          |             |         |        |                        |                                |                                            | D        | L  | K   | W              | H   | K1   |      |
| 16-2T4  | 16       | 2           | 1,5     | 4      | 150                    | 1780                           | 3950                                       | 25       |    | 25  | 20             | 3   | 1,8  | 2,5  |
| 16-5T3  |          | 5           | 3,175   | 3      | 110                    | 7310                           | 13310                                      | 28       | 30 | 40  | 20             | 3   | 1,8  | 10   |
| 16-5T4  |          |             |         | 4      | 120                    | 9360                           | 17750                                      | 28       | 30 | 46  | 20             | 3   | 1,8  | 13   |
| 20-5T3  | 20       | 5           | 3,175   | 3      | 200                    | 8520                           | 17670                                      | 32       | 34 | 41  | 20             | 3   | 1,8  | 10,5 |
| 20-5T4  |          |             |         | 4      | 270                    | 10910                          | 23560                                      | 32       | 34 | 48  | 20             | 3   | 1,8  | 14   |
| 20-6T3  |          | 6           | 3,969   | 3      | 200                    | 10910                          | 20810                                      | 34       | 36 | 46  | 20             | 4   | 2,5  | 13   |
| 20-6T4  |          |             | 4       | 270    | 13980                  | 27740                          | 34                                         | 36       | 56 | 25  | 4              | 2,5 | 15,5 |      |
| 25-5T3  | 25       | 5           | 3,175   | 3      | 280                    | 9770                           | 23140                                      | 37       | 40 | 41  | 20             | 4   | 2,5  | 10,5 |
| 25-5T4  |          |             |         | 4      | 370                    | 12520                          | 30850                                      | 37       | 40 | 48  | 20             | 4   | 2,5  | 14   |
| 25-6T3  |          | 6           | 3,969   | 3      | 280                    | 12720                          | 27620                                      | 38       | 42 | 46  | 20             | 4   | 2,5  | 13   |
| 25-6T4  |          |             | 4       | 370    | 16280                  | 36820                          | 38                                         | 42       | 56 | 25  | 4              | 2,5 | 15,5 |      |
| 32-5T3  | 32       | 5           | 3,175   | 3      | 330                    | 11170                          | 30810                                      | 44       | 48 | 41  | 20             | 4   | 2,5  | 10,5 |
| 32-5T4  |          |             |         | 4      | 420                    | 14310                          | 41080                                      | 44       | 48 | 48  | 20             | 4   | 2,5  | 14   |
| 32-5T6  |          |             |         | 6      | 630                    | 20270                          | 61620                                      | 44       | 48 | 61  | 25             | 4   | 2,5  | 18   |
| 32-6T3  |          | 6           | 3,969   | 3      | 330                    | 14460                          | 36200                                      | 45       | 50 | 46  | 20             | 5   | 3    | 13   |
| 32-6T4  |          |             |         | 4      | 430                    | 18520                          | 48260                                      | 45       | 50 | 56  | 25             | 5   | 3    | 15,5 |
| 32-6T6  |          |             |         | 6      | 650                    | 26250                          | 72390                                      | 45       | 50 | 70  | 32             | 5   | 3    | 19   |
| 32-8T3  |          | 8           | 4,763   | 3      | 350                    | 18100                          | 42270                                      | 47       | 52 | 59  | 25             | 5   | 3    | 17   |
| 32-8T4  |          |             |         | 4      | 470                    | 23170                          | 56350                                      | 47       | 52 | 70  | 25             | 5   | 3    | 22,5 |
| 32-10T3 |          | 10          | 6,35    | 3      | 350                    | 25390                          | 53270                                      | 51       | 56 | 68  | 25             | 6   | 3,5  | 21,5 |
| 32-10T4 | 4        |             |         | 480    | 32520                  | 71020                          | 51                                         | 56       | 79 | 32  | 6              | 3,5 | 23,5 |      |
| 40-5T4  | 40       | 5           | 3,175   | 4      | 500                    | 15990                          | 52800                                      | 51       | 54 | 48  | 20             | 4   | 2,5  | 14   |
| 40-5T6  |          |             |         | 6      | 740                    | 22650                          | 79190                                      | 51       | 54 | 61  | 25             | 4   | 2,5  | 18   |
| 40-6T4  |          | 6           | 3,969   | 4      | 500                    | 21360                          | 64200                                      | 53       | 56 | 56  | 25             | 5   | 3    | 15,5 |
| 40-6T6  |          |             |         | 6      | 740                    | 30280                          | 96300                                      | 53       | 56 | 70  | 32             | 5   | 3    | 19   |
| 40-8T4  |          | 8           | 4,763   | 4      | 520                    | 27280                          | 75960                                      | 55       | 60 | 70  | 25             | 5   | 3    | 22,5 |
| 40-8T6  |          |             |         | 6      | 760                    | 38660                          | 113940                                     | 55       | 60 | 91  | 40             | 5   | 3    | 25,5 |
| 40-10T3 |          | 10          | 6,35    | 3      | 400                    | 29590                          | 70690                                      | 60       | 65 | 68  | 25             | 6   | 3,5  | 21,5 |
| 40-10T4 | 4        |             |         | 510    | 37890                  | 94260                          | 60                                         | 65       | 79 | 32  | 6              | 3,5 | 23,5 |      |
| 50-5T4  | 50       | 5           | 3,175   | 4      | 620                    | 17570                          | 67450                                      | 62       | 65 | 48  | 20             | 4   | 2,5  | 14   |
| 50-5T6  |          |             |         | 6      | 910                    | 24900                          | 101170                                     | 62       | 65 | 61  | 25             | 4   | 2,5  | 18   |
| 50-6T4  |          | 6           | 3,969   | 4      | 620                    | 23880                          | 82500                                      | 64       | 68 | 56  | 25             | 5   | 3    | 15,5 |
| 50-6T6  |          |             |         | 6      | 930                    | 33840                          | 123750                                     | 64       | 68 | 70  | 32             | 5   | 3    | 19   |
| 50-8T4  |          | 8           | 4,763   | 4      | 620                    | 29980                          | 95780                                      | 65       | 70 | 70  | 32             | 5   | 3    | 19   |
| 50-8T6  | 50       | 8           | 4,763   | 6      | 920                    | 42490                          | 143670                                     | 65       | 70 | 91  | 40             | 5   | 3    | 25,5 |
| 50-10T3 |          | 10          | 6,35    | 3      | 500                    | 33970                          | 92560                                      | 69       | 74 | 68  | 32             | 6   | 3,5  | 18   |
| 50-10T4 |          |             |         | 4      | 630                    | 43500                          | 123410                                     | 69       | 74 | 79  | 32             | 6   | 3,5  | 23,5 |
| 50-10T6 |          |             |         | 6      | 940                    | 61650                          | 185110                                     | 69       | 74 | 102 | 40             | 6   | 3,5  | 31   |
| 50-12T3 |          | 12          | 7,938   | 3      | 500                    | 44200                          | 110470                                     | 73       | 78 | 82  | 40             | 6   | 3,5  | 21   |
| 50-12T4 |          |             |         | 4      | 630                    | 56600                          | 147300                                     | 73       | 78 | 95  | 40             | 6   | 3,5  | 27,5 |

### Typ RSI



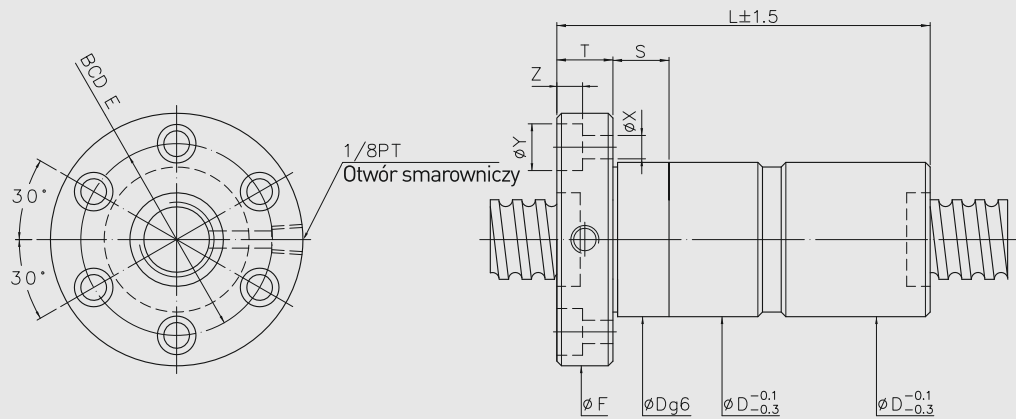
| Model    | Wielkość |             | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     |     | Wpust pasowany |    |     |      |
|----------|----------|-------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|-----|----------------|----|-----|------|
|          | Ø znam.  | Skok gwintu |         |        |                       |                                |                                            |          |     |     |                |    |     |      |
|          |          |             |         |        |                       |                                |                                            | D        | L   | K   | W              | H  | K1  |      |
| 63-6T4   | 63       | 6           | 3,969   | 4      | 750                   | 26740                          | 105420                                     | 78       | 80  | 56  | 25             | 6  | 3,5 | 15,5 |
| 63-6T6   |          |             |         | 6      | 1130                  | 37040                          | 158130                                     | 78       | 80  | 70  | 32             | 6  | 3,5 | 19   |
| 63-8T4   |          | 8           | 4,763   | 4      | 770                   | 33950                          | 125410                                     | 79       | 82  | 70  | 32             | 6  | 3,5 | 19   |
| 63-8T6   |          |             |         | 6      | 1140                  | 48120                          | 188110                                     | 79       | 82  | 91  | 40             | 6  | 3,5 | 25,5 |
| 63-10T4  |          | 10          | 6,35    | 4      | 790                   | 48600                          | 158580                                     | 82       | 88  | 79  | 32             | 8  | 4   | 23,5 |
| 63-10T6  |          |             |         | 6      | 1150                  | 68870                          | 237860                                     | 82       | 88  | 102 | 40             | 8  | 4   | 31   |
| 63-12T4  |          | 12          | 7,938   | 4      | 780                   | 64790                          | 192930                                     | 86       | 92  | 95  | 40             | 8  | 4   | 27,5 |
| 63-12T6  |          |             |         | 6      | 1130                  | 91820                          | 289390                                     | 86       | 92  | 123 | 50             | 8  | 4   | 36,5 |
| 80-10T4  | 80       | 10          | 6,35    | 4      | 960                   | 55590                          | 211180                                     | 99       | 105 | 79  | 32             | 8  | 4   | 23,5 |
| 80-10T6  |          |             |         | 6      | 1400                  | 78790                          | 316770                                     | 99       | 105 | 102 | 40             | 8  | 4   | 62   |
| 80-12T4  |          | 12          | 7,938   | 4      | 970                   | 74300                          | 256810                                     | 103      | 110 | 95  | 40             | 8  | 4   | 27,5 |
| 80-12T6  |          |             |         | 6      | 1410                  | 105300                         | 385210                                     | 103      | 110 | 123 | 50             | 8  | 4   | 36,5 |
| 80-16T3  |          | 16          | 9,525   | 3      | 950                   | 96630                          | 316220                                     | 108      | 115 | 106 | 40             | 10 | 5   | 33   |
| 80-16T4  |          |             |         | 4      | 1300                  | 123750                         | 421620                                     | 108      | 115 | 124 | 50             | 10 | 5   | 37   |
| 80-20T3  |          | 20          | 9,525   | 3      | 950                   | 96630                          | 316220                                     | 108      | 115 | 126 | 50             | 10 | 5   | 38   |
| 80-20T4  |          |             |         | 4      | 1250                  | 123750                         | 421620                                     | 108      | 115 | 149 | 63             | 10 | 5   | 43   |
| 100-12T4 | 100      | 12          | 7,938   | 4      | 1050                  | 83060                          | 330010                                     | 123      | 130 | 95  | 40             | 8  | 4   | 27,5 |
| 100-12T6 |          |             |         | 6      | 1750                  | 117720                         | 495020                                     | 123      | 130 | 123 | 50             | 8  | 4   | 36,5 |
| 100-16T4 |          | 16          | 9,525   | 4      | 1070                  | 135690                         | 531610                                     | 125      | 135 | 124 | 50             | 10 | 5   | 37   |
| 100-16T6 |          |             |         | 6      | 1400                  | 192300                         | 797410                                     | 125      | 135 | 161 | 63             | 10 | 5   | 49   |
| 100-20T4 |          | 20          | 9,525   | 4      | 1550                  | 135690                         | 531610                                     | 125      | 135 | 149 | 63             | 10 | 5   | 43   |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulą przy obciążeniu osiowym rzędu 30 % nośności dynamicznej.

# Mechanizmy śrubowo-toczone

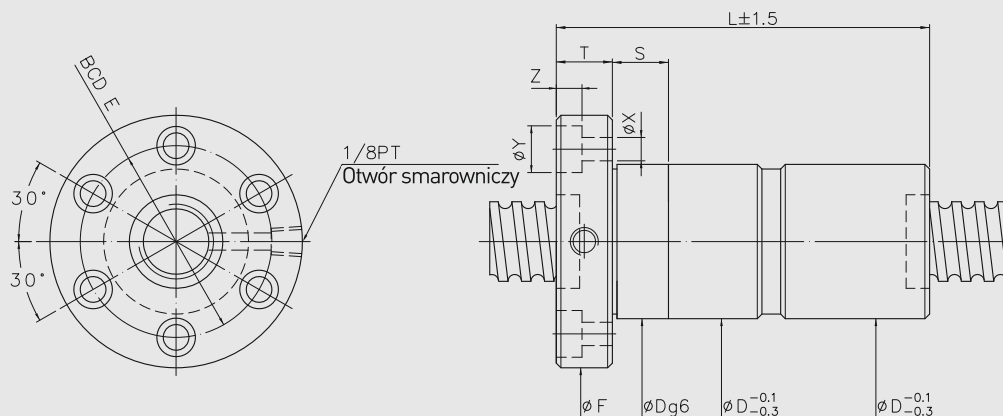
## Szlifowane precyzyjnie

### Typ FDI



| Model     | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |    | Kotnierz |    |       |    | Śruba |     |     | Pasowanie |    |
|-----------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|----|----------|----|-------|----|-------|-----|-----|-----------|----|
|           | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      |          |    |          |    |       |    |       |     |     |           |    |
|           |          |             |         |        |                    |                          |                                      | D        | L  | F        | T  | BCD-E | X  | Y     | Z   | S   |           |    |
| 16-5T3    | 16       | 5           | 3,175   | 3      | 200                | 7310                     | 13310                                | 28       | 30 | 78       | 54 | 12    | 41 | 5,5   | 9,5 | 5,5 | 24        |    |
| 16-5T4    |          |             |         | 4      | 230                | 9360                     | 17750                                | 28       | 30 | 90       | 54 | 12    | 41 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-5T3    | 20       |             |         | 3,969  | 3                  | 390                      | 8520                                 | 17670    | 32 | 34       | 78 | 57    | 12 | 45    | 5,5 | 9,5 | 5,5       | 24 |
| 20-5T4    |          |             |         |        | 4                  | 540                      | 10910                                | 23560    | 32 | 34       | 92 | 57    | 12 | 45    | 5,5 | 9,5 | 5,5       | 24 |
| 20-6T3    |          | 6           | 3       |        | 390                | 10910                    | 20810                                | 34       | 36 | 89       | 60 | 12    | 48 | 5,5   | 9,5 | 5,5 | 24        |    |
| 20-6T4    |          |             | 4       |        | 540                | 13980                    | 27740                                | 34       | 36 | 109      | 60 | 12    | 48 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-2,5T5  | 25       | 2,5         | 2       | 5      | 660                | 7160                     | 21170                                | 35       | 40 | 87       | 65 | 10    | 51 | 6,6   | 11  | 6,5 | 24        |    |
| 25-5T3    |          | 5           | 3,175   | 3      | 550                | 9770                     | 23140                                | 37       | 40 | 78       | 64 | 12    | 52 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-5T4    |          |             |         | 4      | 730                | 12520                    | 30850                                | 37       | 40 | 96       | 64 | 12    | 52 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-6T3    |          | 6           | 3,969   | 3      | 560                | 12720                    | 27620                                | 38       | 42 | 89       | 65 | 12    | 53 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-6T4    |          |             |         | 4      | 750                | 16280                    | 36820                                | 38       | 42 | 109      | 65 | 12    | 53 | 5,5   | 9,5 | 5,5 | 24        |    |
| 25-10T3   |          | 10          | 4,763   | 3      | 490                | 16430                    | 32650                                | 47       | 51 | 140      | 74 | 15    | 60 | 6,6   | 11  | 6,5 | 24        |    |
| 28-5T5    | 28       | 5           | 3,175   | 5      | 860                | 16190                    | 44040                                | 45       | 50 | 110      | 74 | 12    | 62 | 5,5   | 9,5 | 5,5 | 24        |    |
| 28-10T4   |          | 10          | 4,763   | 4      | 700                | 21990                    | 49690                                | 45       | 50 | 150      | 74 | 12    | 61 | 6,6   | 11  | 6,5 | 24        |    |
| 32-2,5T6  | 32       | 2,5         | 2       | 6      | 970                | 9280                     | 33390                                | 45       | 51 | 106      | 74 | 12    | 62 | 5,5   | 9,5 | 5,5 | 24        |    |
| 32-5T3    | 32       | 5           | 3,175   | 3      | 640                | 11170                    | 30810                                | 44       | 48 | 78       | 74 | 12    | 60 | 6,6   | 11  | 6,5 | 24        |    |
| 32-5T4    |          |             |         | 4      | 820                | 14310                    | 41080                                | 44       | 48 | 96       | 74 | 12    | 60 | 6,6   | 11  | 6,5 | 24        |    |
| 32-5T6    |          |             |         | 6      | 1210               | 20270                    | 61620                                | 44       | 48 | 118      | 74 | 12    | 60 | 6,6   | 11  | 6,5 | 24        |    |
| 32-5,08T4 |          | 5,08        | 3,969   | 4      | 820                | 14300                    | 41080                                | 44       | 48 | 96       | 74 | 12    | 60 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6T3    |          | 6           |         | 3      | 650                | 14460                    | 36200                                | 45       | 50 | 89       | 76 | 12    | 62 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6T4    |          |             |         | 4      | 840                | 18520                    | 48260                                | 45       | 50 | 109      | 76 | 12    | 62 | 6,6   | 11  | 6,5 | 24        |    |
| 32-6T6    |          |             |         | 6      | 1250               | 26250                    | 72390                                | 45       | 50 | 137      | 76 | 12    | 62 | 6,6   | 11  | 6,5 | 24        |    |
| 32-8T3    |          | 8           | 4,763   | 3      | 680                | 18100                    | 42270                                | 47       | 52 | 110      | 78 | 16    | 64 | 6,6   | 11  | 6,5 | 24        |    |
| 32-8T4    |          |             |         | 4      | 820                | 23170                    | 56350                                | 47       | 52 | 136      | 78 | 16    | 64 | 6,6   | 11  | 6,5 | 24        |    |
| 32-10T3   |          | 10          | 6,35    | 3      | 680                | 25390                    | 53270                                | 51       | 56 | 129      | 82 | 16    | 68 | 6,6   | 11  | 6,5 | 24        |    |
| 32-10T4   |          |             |         | 4      | 820                | 32520                    | 71020                                | 51       | 56 | 155      | 82 | 16    | 68 | 6,6   | 11  | 6,5 | 24        |    |
| 40-5T4    | 40       | 5           | 3,175   | 4      | 990                | 15990                    | 52800                                | 51       | 54 | 96       | 80 | 16    | 66 | 6,6   | 11  | 6,5 | 24        |    |
| 40-5T6    |          |             |         | 6      | 1460               | 22650                    | 79190                                | 51       | 54 | 122      | 80 | 16    | 66 | 6,6   | 11  | 6,5 | 24        |    |
| 40-6T4    |          | 6           | 3,969   | 4      | 1000               | 21360                    | 64200                                | 53       | 56 | 113      | 88 | 16    | 72 | 9     | 14  | 8,5 | 30        |    |
| 40-6T6    |          |             |         | 6      | 1480               | 30280                    | 96300                                | 53       | 56 | 141      | 88 | 16    | 72 | 9     | 14  | 8,5 | 30        |    |
| 40-8T4    |          | 8           | 4,763   | 4      | 1020               | 27280                    | 75960                                | 55       | 60 | 136      | 92 | 16    | 75 | 9     | 14  | 8,5 | 30        |    |
| 40-8T6    |          |             |         | 6      | 1500               | 38660                    | 113940                               | 55       | 60 | 178      | 92 | 16    | 75 | 9     | 14  | 8,5 | 30        |    |
| 40-10T3   |          | 10          | 6,35    | 3      | 760                | 29590                    | 70690                                | 60       | 65 | 133      | 96 | 16    | 80 | 9     | 14  | 8,5 | 30        |    |
| 40-10T4   |          |             |         | 4      | 1010               | 37890                    | 94260                                | 60       | 65 | 155      | 96 | 16    | 80 | 9     | 14  | 8,5 | 30        |    |

### Typ FDI



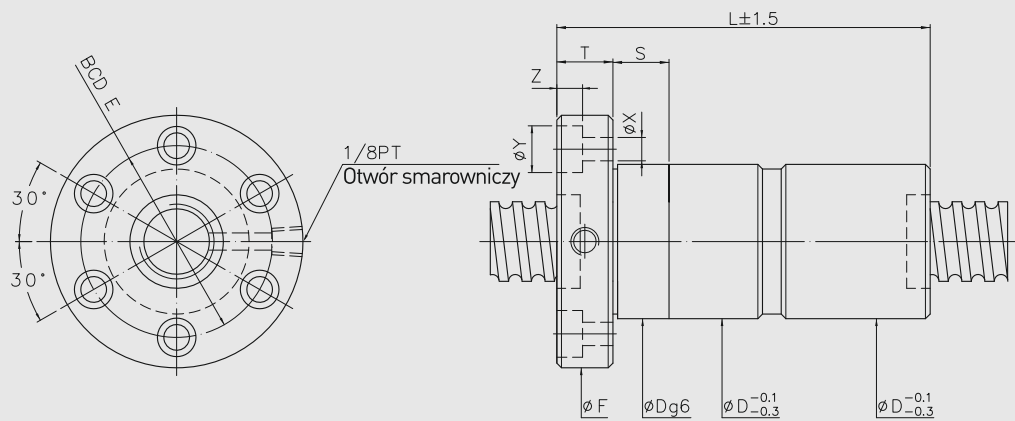
| Model    | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |     |       |     | Śruba |      |      | Pasowanie |  |
|----------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|-----|-------|-----|-------|------|------|-----------|--|
|          | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            |          |     |          |     |       |     |       |      |      |           |  |
|          |          |                |         |        |                       |                                |                                            | D        | L   | F        | T   | BCD-E | X   | Y     | Z    | S    |           |  |
| 40-10T5  | 40       | 10             | 6,35    | 5      | 1190                  | 45900                          | 11780                                      | 60       | 65  | 192      | 96  | 16    | 80  | 9     | 14   | 8,5  | 30        |  |
| 40-12T3  |          | 12             |         | 3      | 730                   | 29580                          | 70690                                      | 58       | 60  | 160      | 96  | 18    | 80  | 9     | 14   | 8,5  | 30        |  |
| 40-12T4  |          |                |         | 4      | 1010                  | 37890                          | 94250                                      | 58       | 60  | 186      | 96  | 18    | 80  | 9     | 14   | 8,5  | 30        |  |
| 45-10T4  | 45       | 10             | 7,144   | 4      | 1080                  | 46830                          | 119300                                     | 68       | 70  | 160      | 110 | 18    | 90  | 11    | 17,5 | 11   | 30        |  |
| 45-12T3  |          | 12             | 6,35    | 3      | 800                   | 31150                          | 79520                                      | 68       | 70  | 183      | 110 | 16    | 90  | 11    | 17,5 | 11   | 30        |  |
| 45-16T3  |          | 16             | 7,144   | 3      | 820                   | 36560                          | 89470                                      | 68       | 70  | 183      | 110 | 16    | 90  | 11    | 17,5 | 11   | 30        |  |
| 50-5T4   | 50       | 5              | 3,175   | 4      | 1210                  | 17570                          | 67450                                      | 62       | 65  | 96       | 96  | 16    | 80  | 9     | 14   | 8,5  | 30        |  |
| 50-5T6   |          |                |         | 6      | 1770                  | 24900                          | 101170                                     | 62       | 65  | 122      | 96  | 16    | 80  | 9     | 14   | 8,5  | 30        |  |
| 50-6T4   |          | 6              | 3,969   | 4      | 1230                  | 23880                          | 82500                                      | 64       | 68  | 113      | 100 | 16    | 84  | 9     | 14   | 8,5  | 30        |  |
| 50-6T6   |          |                |         | 6      | 1790                  | 33840                          | 123750                                     | 64       | 68  | 147      | 100 | 16    | 84  | 9     | 14   | 8,5  | 30        |  |
| 50-8T4   |          | 8              | 4,763   | 4      | 1220                  | 29980                          | 95780                                      | 65       | 70  | 136      | 102 | 16    | 85  | 9     | 14   | 8,5  | 30        |  |
| 50-8T6   |          |                |         | 6      | 1780                  | 42490                          | 143670                                     | 65       | 70  | 178      | 102 | 16    | 85  | 9     | 14   | 8,5  | 30        |  |
| 50-10T3  |          | 10             | 6,35    | 3      | 950                   | 33970                          | 92560                                      | 69       | 74  | 135      | 114 | 18    | 92  | 11    | 17,5 | 11   | 40        |  |
| 50-10T4  |          |                |         | 4      | 1240                  | 43500                          | 123410                                     | 69       | 74  | 157      | 114 | 18    | 92  | 11    | 17,5 | 11   | 40        |  |
| 50-10T6  |          |                |         | 6      | 1840                  | 61650                          | 185110                                     | 69       | 74  | 203      | 114 | 18    | 92  | 11    | 17,5 | 11   | 40        |  |
| 50-12T3  |          | 12             | 7,938   | 3      | 940                   | 44200                          | 110470                                     | 73       | 78  | 158      | 118 | 18    | 96  | 11    | 17,5 | 11   | 40        |  |
| 50-12T4  |          |                |         | 4      | 1240                  | 56600                          | 147300                                     | 73       | 78  | 184      | 118 | 18    | 96  | 11    | 17,5 | 11   | 40        |  |
| 63-6T4   | 63       | 6              | 3,969   | 4      | 1480                  | 26740                          | 105420                                     | 78       | 80  | 115      | 119 | 18    | 98  | 11    | 17,5 | 11   | 40        |  |
| 63-6T6   |          |                |         | 6      | 2200                  | 37040                          | 158130                                     | 78       | 80  | 143      | 119 | 18    | 98  | 11    | 17,5 | 11   | 40        |  |
| 63-8T4   |          | 8              | 4,763   | 4      | 1520                  | 33950                          | 125410                                     | 79       | 82  | 138      | 122 | 18    | 100 | 11    | 17,5 | 11   | 40        |  |
| 63-8T6   |          |                |         | 6      | 2220                  | 48120                          | 188110                                     | 79       | 82  | 180      | 122 | 18    | 100 | 11    | 17,5 | 11   | 40        |  |
| 63-10T4  |          | 10             | 6,35    | 4      | 1580                  | 48600                          | 158580                                     | 82       | 88  | 159      | 134 | 20    | 110 | 14    | 20   | 13   | 40        |  |
| 63-10T6  |          |                |         | 6      | 2280                  | 68870                          | 237860                                     | 82       | 88  | 205      | 134 | 20    | 110 | 14    | 20   | 13   | 40        |  |
| 63-12T4  |          | 12             | 7,938   | 4      | 1520                  | 64790                          | 192930                                     | 86       | 92  | 186      | 138 | 20    | 114 | 14    | 20   | 13   | 40        |  |
| 63-12T6  |          |                |         | 6      | 2240                  | 91820                          | 289390                                     | 86       | 92  | 242      | 138 | 20    | 114 | 14    | 20   | 13   | 40        |  |
| 80-10T4  | 80       | 10             | 6,35    | 4      | 1900                  | 55590                          | 211180                                     | 99       | 105 | 172      | 152 | 20    | 127 | 14    | 20   | 13   | 40        |  |
| 80-10T6  |          |                |         | 6      | 2770                  | 78790                          | 316770                                     | 99       | 105 | 214      | 152 | 20    | 127 | 14    | 20   | 13   | 40        |  |
| 80-12T4  |          | 12             | 7,938   | 4      | 1920                  | 74300                          | 256810                                     | 103      | 110 | 190      | 170 | 24    | 138 | 18    | 26   | 17,5 | 50        |  |
| 80-12T6  |          |                |         | 6      | 2800                  | 105300                         | 385210                                     | 103      | 110 | 246      | 170 | 24    | 138 | 18    | 26   | 17,5 | 50        |  |
| 80-16T3  |          | 16             | 9,525   | 3      | 1880                  | 96630                          | 316220                                     | 108      | 115 | 208      | 174 | 24    | 143 | 18    | 26   | 17,5 | 50        |  |
| 80-16T4  |          |                |         | 4      | 2540                  | 123750                         | 421620                                     | 108      | 115 | 244      | 174 | 24    | 143 | 18    | 26   | 17,5 | 50        |  |
| 80-20T3  |          | 20             |         | 3      | 1890                  | 96630                          | 316220                                     | 108      | 115 | 250      | 174 | 24    | 143 | 18    | 26   | 17,5 | 50        |  |
| 80-20T4  |          |                |         | 4      | 2480                  | 123750                         | 421620                                     | 108      | 115 | 296      | 174 | 24    | 143 | 18    | 26   | 17,5 | 50        |  |
| 100-12T4 | 100      | 12             | 7,938   | 4      | 2060                  | 83060                          | 330010                                     | 123      | 130 | 190      | 190 | 24    | 158 | 18    | 26   | 17,5 | 50        |  |



# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

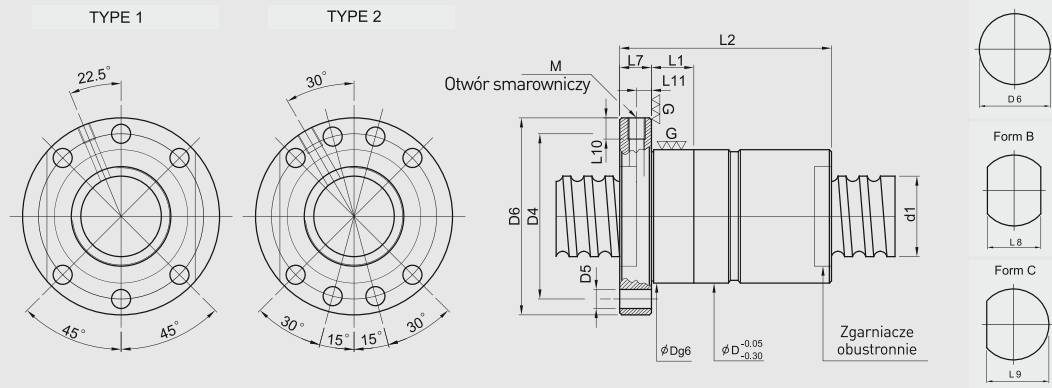
### Typ FDI



| Model    | Wielkość |                | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     |       | Kotnierz |     |     | Śruba |      |      | Pasowanie |
|----------|----------|----------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|-------|----------|-----|-----|-------|------|------|-----------|
|          | Ø znam.  | Skok<br>gwintu |         |        |                       |                                |                                            |          |     |       |          |     |     |       |      |      |           |
|          | D        | L              |         |        |                       |                                |                                            | F        | T   | BCD-E | X        | Y   | Z   | S     |      |      |           |
| 100-12T6 | 100      | 12             | 7,938   | 6      | 3430                  | 117720                         | 495020                                     | 123      | 130 | 246   | 190      | 24  | 158 | 18    | 26   | 17,5 | 50        |
| 100-16T4 |          | 16             | 9,525   | 4      | 2120                  | 135690                         | 531610                                     | 125      | 135 | 244   | 194      | 24  | 163 | 18    | 26   | 17,5 | 60        |
| 100-16T6 |          |                |         | 6      | 2760                  | 192300                         | 797410                                     | 125      | 135 | 318   | 194      | 24  | 163 | 18    | 26   | 17,5 | 60        |
| 100-20T4 |          | 20             | 4       | 3000   | 135690                | 531610                         | 125                                        | 135      | 296 | 194   | 24       | 163 | 18  | 26    | 17,5 | 60   |           |

Wskazówka! Podane wartości sztywności bazują na teoretycznie obliczonym odkształceniu elastycznym między bieżnią toczną a kulką przy naprężeniu wstępnym rzędu 10 % nośności dynamicznej i istniejącym obciążeniu osiowym.

### Typ FDC

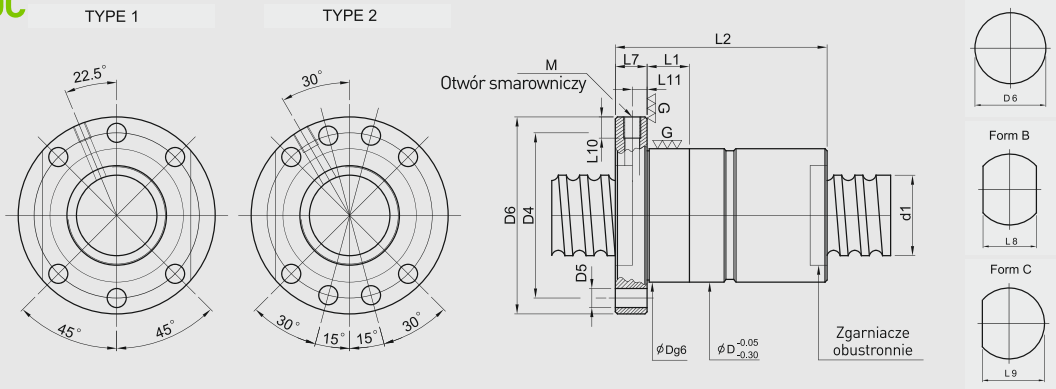


| Model   | Ø znam. | Skok gwintu | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dyna-<br>miczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     |     | Kotnierz |              |              |              |    |    |       | Otwór smarowniczy |     |     |
|---------|---------|-------------|---------|--------|--------------------|-------------------------------|--------------------------------------|----------|-----|-----|----------|--------------|--------------|--------------|----|----|-------|-------------------|-----|-----|
|         |         |             |         |        |                    |                               |                                      | D        | L1  | L2  | TYP      | Forma A (D6) | Forma B (L8) | Forma C (L9) | L7 | D4 | D5    | M                 | L10 | L11 |
| 20-10K3 | 20      | 10          | 3,175   | K3     |                    | 11340                         | 26600                                | 36       | 16  | 99  | 1        | 58           | 44           | 51           | 12 | 47 | 6,6   | M6×1P             | 8   | 6   |
| 20-20K2 |         | 20          |         | K2     |                    | 7660                          | 17360                                | 36       | 25  | 117 | 1        | 58           | 44           | 51           | 12 | 47 | 6,6   | M6×1P             | 8   | 6   |
| 25-25K2 | 25      | 25          |         | K2     |                    | 8450                          | 21740                                | 40       | 30  | 143 | 1        | 62           | 48           | 55           | 12 | 51 | 6,6   | M6×1P             | 8   | 6   |
| 32-10K5 | 32      | 10          | 6,35    | K5     |                    | 56410                         | 144880                               | 57       | 20  | 158 | 1        | 87           | 69           | 78           | 13 | 72 | 9     | M6×1P             | 8   | 6   |
| 32-12K5 |         | 12          |         | K5     |                    | 56260                         | 144590                               | 57       | 25  | 178 | 1        | 87           | 69           | 78           | 13 | 72 | 9     | M6×1P             | 8   | 6   |
| 32-16K4 |         | 16          |         | K4     |                    | 45730                         | 113900                               | 57       | 20  | 184 | 1        | 87           | 69           | 78           | 13 | 72 | 9     | M6×1P             | 8   | 6   |
| 32-20K3 |         | 20          |         | K3     |                    | 34880                         | 83400                                | 57       | 25  | 178 | 1        | 87           | 69           | 78           | 13 | 72 | 9     | M6×1P             | 8   | 6   |
| 32-20K4 |         |             | K4      |        | 45350              | 113180                        | 57                                   | 25       | 218 | 1   | 87       | 69           | 78           | 13           | 72 | 9  | M6×1P | 8                 | 6   |     |
| 32-20K3 |         |             | 3,969   | K3     |                    | 19040                         | 54380                                | 50       | 25  | 180 | 1        | 80           | 62           | 71           | 13 | 65 | 9     | M6×1P             | 8   | 6   |
| 32-20K4 |         |             |         | K4     |                    | 24760                         | 73800                                | 50       | 25  | 220 | 1        | 80           | 62           | 71           | 13 | 65 | 9     | M6×1P             | 8   | 6   |
| 32-32K2 |         | 32          | K2      |        | 12880              | 35320                         | 50                                   | 40       | 180 | 1   | 80       | 62           | 71           | 13           | 65 | 9  | M6×1P | 8                 | 6   |     |
| 36-10K4 | 36      | 10          | 6,35    | K4     |                    | 49170                         | 130220                               | 61       | 16  | 144 | 2        | 91           | 68           | 79,5         | 15 | 76 | 9     | M8×1P             | 10  | 7   |
| 36-10K5 |         | 12          |         | K5     |                    | 60110                         | 164490                               | 61       | 20  | 164 | 2        | 91           | 68           | 79,5         | 15 | 76 | 9     | M8×1P             | 10  | 7   |
| 36-12K4 |         |             |         | K4     |                    | 49070                         | 130020                               | 61       | 20  | 154 | 2        | 91           | 68           | 79,5         | 15 | 76 | 9     | M8×1P             | 10  | 7   |
| 36-12K5 |         |             |         | K5     |                    | 59980                         | 164230                               | 61       | 25  | 178 | 2        | 91           | 68           | 79,5         | 15 | 76 | 9     | M8×1P             | 10  | 7   |
| 36-36K2 |         | 36          | K2      |        | 25410              | 65480                         | 61                                   | 40       | 194 | 2   | 91       | 68           | 79,5         | 15           | 76 | 9  | M8×1P | 10                | 7   |     |
| 40-6K6  | 38      | 6           | 3,969   | K6     |                    | 38520                         | 133200                               | 63       | 10  | 120 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-10K4 |         | 10          | 6,35    | K4     |                    | 50560                         | 137980                               | 63       | 16  | 144 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-10K5 |         |             |         | K5     |                    | 61810                         | 174290                               | 63       | 20  | 164 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-10K6 |         |             |         | K6     |                    | 72730                         | 210600                               | 63       | 20  | 184 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-12K4 |         | 12          |         | K4     |                    | 50460                         | 137780                               | 63       | 20  | 154 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-12K5 |         |             |         | K5     |                    | 61690                         | 174040                               | 63       | 25  | 178 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-12K6 |         |             |         | K6     |                    | 72600                         | 210300                               | 63       | 25  | 202 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-16K4 |         | 16          |         | K4     |                    | 50230                         | 137290                               | 63       | 20  | 184 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-16K5 |         |             |         | K5     |                    | 61410                         | 173410                               | 63       | 25  | 216 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-20K4 |         | 20          |         | K4     |                    | 49930                         | 136660                               | 63       | 25  | 220 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-20K5 |         |             |         | K5     |                    | 61040                         | 172620                               | 63       | 25  | 260 | 2        | 93           | 70           | 81,5         | 15 | 78 | 9     | M8×1P             | 10  | 7   |
| 40-40K2 |         | 40          | K2      |        | 25900              | 65680                         | 63                                   | 45       | 208 | 2   | 93       | 70           | 81,5         | 15           | 78 | 9  | M8×1P | 10                | 7   |     |
| 45-6K6  | 45      | 6           | 3,969   | K6     |                    | 41730                         | 160840                               | 68       | 10  | 120 | 2        | 98           | 75           | 86,5         | 15 | 83 | 9     | M8×1P             | 10  | 7   |
| 45-16K4 |         | 16          | 6,35    | K4     |                    | 55480                         | 168180                               | 70       | 20  | 190 | 2        | 105          | 80           | 92,5         | 18 | 88 | 11    | M8×1P             | 10  | 9   |
| 45-16K5 |         |             |         | K5     |                    | 67830                         | 212440                               | 70       | 25  | 222 | 2        | 105          | 80           | 92,5         | 18 | 88 | 11    | M8×1P             | 10  | 9   |
| 45-20K4 |         | 20          |         | K4     |                    | 55240                         | 167620                               | 70       | 25  | 220 | 2        | 105          | 80           | 92,5         | 18 | 88 | 11    | M8×1P             | 10  | 9   |

# Mechanizmy śrubowo-toczone

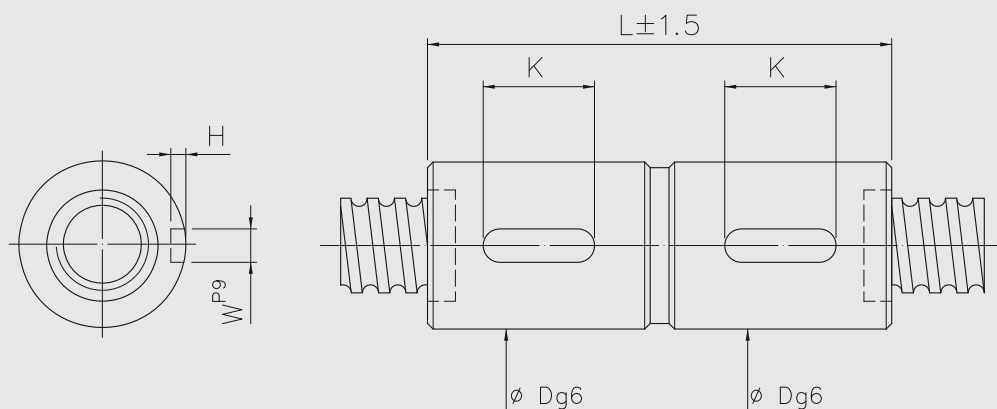
## Szlifowane precyzyjnie

### Typ FDC



| Model   | Ø znam. | Skok gwintu | Ø kulki | Obiegi | Szywność K [N/µm] | Nośność dyna-<br>miczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |    |     | Kotnierz |              |              |              |      |       |    | Otwór smarowniczy |       |     |
|---------|---------|-------------|---------|--------|-------------------|-------------------------------|--------------------------------------|----------|----|-----|----------|--------------|--------------|--------------|------|-------|----|-------------------|-------|-----|
|         |         |             |         |        |                   |                               |                                      | D        | L1 | L2  | TYP      | Forma A (D6) | Forma B (L8) | Forma C (L9) | L7   | D4    | D5 | M                 | L10   | L11 |
| 45-20K5 | 45      | 20          | 6,35    | K5     |                   | 67530                         | 211730                               | 70       | 25 | 260 | 2        | 105          | 80           | 92,5         | 18   | 88    | 11 | M8×1P             | 10    | 9   |
| 50-10K4 | 50      | 10          |         | K4     |                   | 57690                         | 184500                               | 75       | 16 | 144 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-10K6 |         | 12          |         | K6     |                   | 82990                         | 281610                               | 75       | 20 | 184 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-12K4 |         |             |         | K4     |                   | 57630                         | 184350                               | 75       | 25 | 166 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-12K6 |         |             |         | K6     |                   | 82900                         | 281380                               | 75       | 25 | 214 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-16K4 |         |             |         | 16     | K4                |                               | 57470                                | 183960   | 75 | 20  | 196      | 2            | 110          | 85           | 97,5 | 18    | 93 | 11                | M8×1P | 10  |
| 50-16K6 |         | K6          |         |        |                   | 82670                         | 280780                               | 75       | 25 | 260 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-20K4 |         | 20          |         | K4     |                   | 57270                         | 183460                               | 75       | 25 | 228 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-20K6 |         |             |         | K6     |                   | 82380                         | 280010                               | 75       | 25 | 308 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-25K4 |         | 25          |         | K4     |                   | 56950                         | 182680                               | 75       | 30 | 262 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-25K6 |         |             |         | K6     |                   | 81930                         | 278830                               | 75       | 30 | 362 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-40K2 |         | 40          |         | K2     |                   | 30040                         | 88400                                | 75       | 45 | 222 | 2        | 110          | 85           | 97,5         | 18   | 93    | 11 | M8×1P             | 10    | 9   |
| 50-40K3 | K3      |             |         | 43920  | 137500            | 75                            | 45                                   | 302      | 2  | 110 | 85       | 97,5         | 18           | 93           | 11   | M8×1P | 10 | 9                 |       |     |
| 55-6K6  | 55      | 6           | 3,969   | K6     |                   | 45270                         | 197790                               | 102      | 10 | 124 | 2        | 144          | 102          | 128          | 18   | 122   | 11 | M8×1P             | 10    | 9   |

### Typ RDI

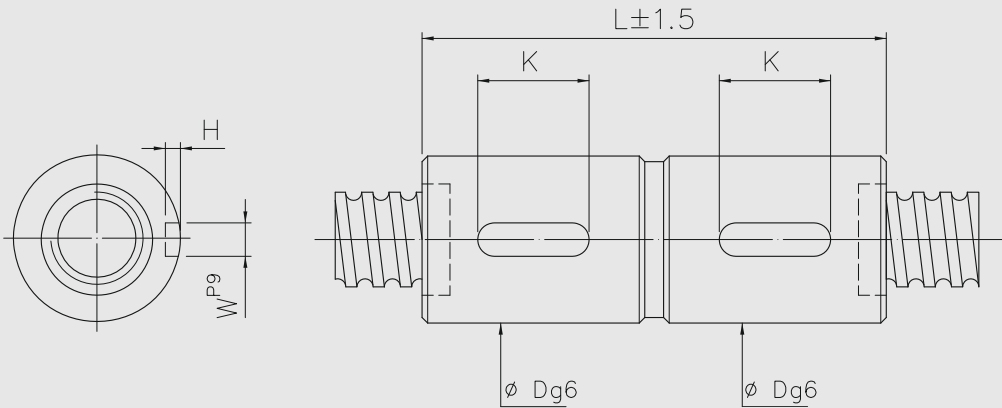


| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dyna-<br>miczna C [N] | Nośność sta-<br>tyczna C <sub>0</sub> [N] | Nakrętka |    |     | Wpust pasowany |    |     |     |
|---------|----------|-------------|---------|--------|--------------------|-------------------------------|-------------------------------------------|----------|----|-----|----------------|----|-----|-----|
|         | Ø znam.  | Skok gwintu |         |        |                    |                               |                                           | D        | L  | K   | W              | H  |     |     |
| 16-5T3  | 16       | 5           | 3,175   | 3      | 200                | 7310                          | 13310                                     | 28       | 30 | 72  | 20             | 3  | 1,8 |     |
| 16-5T4  |          |             |         | 4      | 230                | 9360                          | 17750                                     | 28       | 30 | 85  | 20             | 3  | 1,8 |     |
| 20-5T3  | 20       |             |         | 3,969  | 3                  | 390                           | 8520                                      | 17670    | 32 | 34  | 75             | 20 | 3   | 1,8 |
| 20-5T4  |          |             |         |        | 4                  | 540                           | 10910                                     | 23560    | 32 | 34  | 85             | 20 | 3   | 1,8 |
| 20-6T3  |          | 6           | 3       |        | 390                | 10910                         | 20810                                     | 34       | 36 | 87  | 20             | 4  | 2,5 |     |
| 20-6T4  |          |             | 4       |        | 540                | 13980                         | 27740                                     | 34       | 36 | 103 | 25             | 4  | 2,5 |     |
| 25-5T3  | 25       | 5           | 3,175   | 3      | 550                | 9770                          | 23140                                     | 37       | 40 | 75  | 20             | 4  | 2,5 |     |
| 25-5T4  |          |             |         | 4      | 730                | 12520                         | 30850                                     | 37       | 40 | 85  | 20             | 4  | 2,5 |     |
| 25-6T3  |          | 6           | 3,969   | 3      | 560                | 12720                         | 27620                                     | 38       | 42 | 87  | 20             | 4  | 2,5 |     |
| 25-6T4  |          |             |         | 4      | 750                | 16280                         | 36820                                     | 38       | 42 | 103 | 25             | 4  | 2,5 |     |
| 32-5T3  | 32       | 5           | 3,175   | 3      | 640                | 11170                         | 30810                                     | 44       | 48 | 75  | 20             | 4  | 2,5 |     |
| 32-5T4  |          |             |         | 4      | 820                | 14310                         | 41080                                     | 44       | 48 | 85  | 20             | 4  | 2,5 |     |
| 32-5T6  |          |             |         | 6      | 1210               | 20270                         | 61620                                     | 44       | 48 | 105 | 25             | 4  | 2,5 |     |
| 32-6T3  |          | 6           | 3,969   | 3      | 650                | 14460                         | 36200                                     | 45       | 50 | 87  | 20             | 5  | 3   |     |
| 32-6T4  |          |             |         | 4      | 840                | 18520                         | 48260                                     | 45       | 50 | 103 | 25             | 5  | 3   |     |
| 32-6T6  |          |             |         | 6      | 1250               | 26250                         | 72390                                     | 45       | 50 | 127 | 32             | 5  | 3   |     |
| 32-8T3  |          | 8           | 4,763   | 3      | 680                | 18100                         | 42270                                     | 47       | 52 | 109 | 25             | 5  | 3   |     |
| 32-8T4  |          |             |         | 4      | 820                | 23170                         | 56350                                     | 47       | 52 | 127 | 25             | 5  | 3   |     |
| 32-10T3 |          | 10          | 6,35    | 3      | 680                | 25390                         | 53270                                     | 51       | 56 | 135 | 25             | 6  | 3,5 |     |
| 32-10T4 |          |             |         | 4      | 820                | 32520                         | 71020                                     | 51       | 56 | 155 | 32             | 6  | 3,5 |     |
| 40-5T4  | 40       | 5           | 3,175   | 4      | 990                | 15990                         | 52800                                     | 51       | 54 | 85  | 20             | 4  | 2,5 |     |
| 40-5T6  |          |             |         | 6      | 1460               | 22650                         | 79190                                     | 51       | 54 | 105 | 25             | 4  | 2,5 |     |
| 40-6T4  |          | 6           | 3,969   | 4      | 1000               | 21360                         | 64200                                     | 53       | 56 | 103 | 25             | 5  | 3   |     |
| 40-6T6  |          |             |         | 6      | 1480               | 30280                         | 96300                                     | 53       | 56 | 127 | 32             | 5  | 3   |     |
| 40-8T4  |          | 8           | 4,763   | 4      | 1020               | 27280                         | 75960                                     | 55       | 60 | 127 | 25             | 5  | 3   |     |
| 40-8T6  |          |             |         | 6      | 1500               | 38660                         | 113940                                    | 55       | 60 | 161 | 40             | 5  | 3   |     |
| 40-10T3 |          | 10          | 6,35    | 3      | 760                | 29590                         | 70690                                     | 60       | 65 | 135 | 25             | 6  | 3,5 |     |
| 40-10T4 |          |             |         | 4      | 1010               | 37890                         | 94260                                     | 60       | 65 | 155 | 32             | 6  | 3,5 |     |
| 50-5T4  | 50       | 5           | 3,175   | 4      | 1210               | 17570                         | 67450                                     | 62       | 65 | 85  | 20             | 4  | 2,5 |     |
| 50-5T6  |          |             |         | 6      | 1770               | 24900                         | 101170                                    | 62       | 65 | 105 | 25             | 4  | 2,5 |     |
| 50-6T4  |          | 6           | 3,969   | 4      | 1230               | 23880                         | 82500                                     | 64       | 68 | 103 | 25             | 5  | 3   |     |
| 50-6T6  |          |             |         | 6      | 1790               | 33840                         | 123750                                    | 64       | 68 | 127 | 32             | 5  | 3   |     |
| 50-8T4  |          | 8           | 4,763   | 4      | 1220               | 29980                         | 95780                                     | 65       | 70 | 127 | 32             | 5  | 3   |     |
| 50-8T6  |          |             |         | 6      | 1780               | 42490                         | 143670                                    | 65       | 70 | 161 | 40             | 5  | 3   |     |

# Mechanizmy śrubowo-toczone

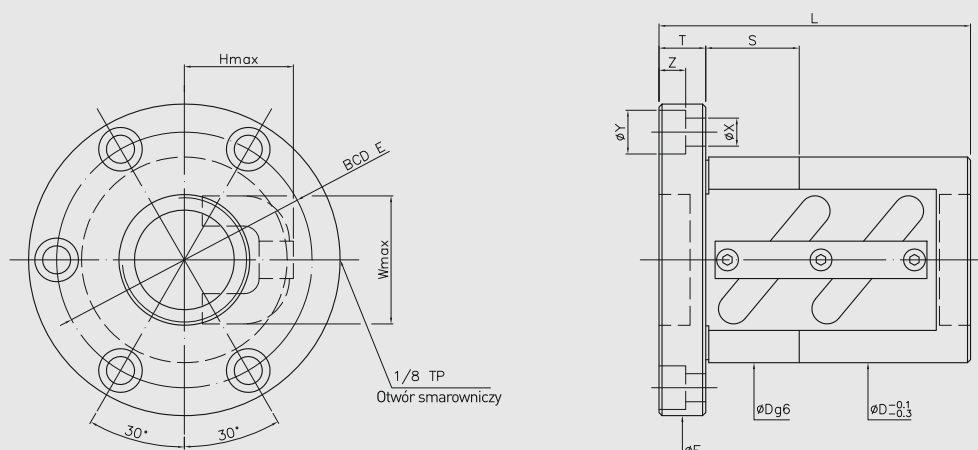
## Szlifowane precyzyjnie

### Typ RDI



| Model    | Wielkość |             | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność dyna-<br>miczna<br>C [N] | Nośność sta-<br>tyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Wpust pasowany |     |    |     |
|----------|----------|-------------|---------|--------|-----------------------|----------------------------------|----------------------------------------------|----------|-----|----------------|-----|----|-----|
|          | Ø znam.  | Skok gwintu |         |        |                       |                                  |                                              |          |     |                |     |    |     |
|          |          |             |         |        |                       |                                  |                                              | D        | L   | K              | W   | H  |     |
| 50-10T3  | 50       | 10          | 6,35    | 3      | 950                   | 33970                            | 92560                                        | 69       | 74  | 135            | 32  | 6  | 3,5 |
| 50-10T4  |          |             |         | 4      | 1240                  | 43500                            | 123410                                       | 69       | 74  | 155            | 32  | 6  | 3,5 |
| 50-10T6  |          |             |         | 6      | 1840                  | 61650                            | 185110                                       | 69       | 74  | 197            | 40  | 6  | 3,5 |
| 50-12T3  |          | 12          | 7,938   | 3      | 940                   | 44200                            | 110470                                       | 73       | 78  | 161            | 40  | 6  | 3,5 |
| 50-12T4  |          |             |         | 4      | 1240                  | 56600                            | 147300                                       | 73       | 78  | 185            | 40  | 6  | 3,5 |
| 63-6T4   | 63       | 6           | 3,969   | 4      | 1480                  | 26140                            | 105420                                       | 78       | 80  | 106            | 25  | 6  | 3,5 |
| 63-6T6   |          |             |         | 6      | 2200                  | 37040                            | 158130                                       | 78       | 80  | 130            | 32  | 6  | 3,5 |
| 63-8T4   |          | 8           | 4,763   | 4      | 1520                  | 33950                            | 125410                                       | 79       | 82  | 131            | 32  | 6  | 3,5 |
| 63-8T6   |          |             |         | 6      | 2220                  | 48120                            | 188110                                       | 79       | 82  | 165            | 40  | 6  | 3,5 |
| 63-10T4  |          | 10          | 6,35    | 4      | 1580                  | 48600                            | 158580                                       | 82       | 88  | 160            | 32  | 8  | 4   |
| 63-10T6  |          |             |         | 6      | 2280                  | 68870                            | 237860                                       | 82       | 88  | 202            | 40  | 8  | 4   |
| 63-12T4  |          | 12          | 7,938   | 4      | 1520                  | 64790                            | 192930                                       | 86       | 92  | 185            | 40  | 8  | 4   |
| 63-12T6  |          |             |         | 6      | 2240                  | 91820                            | 289390                                       | 86       | 92  | 238            | 50  | 8  | 4   |
| 63-20T4  |          | 63          | 20      | 9,525  | 4                     | 1890                             | 106570                                       | 312510   | 90  | 95             | 260 | 50 | 8   |
| 80-10T4  | 80       | 10          | 6,35    | 4      | 1900                  | 55590                            | 211180                                       | 99       | 105 | 160            | 32  | 8  | 4   |
| 80-10T6  |          |             |         | 6      | 2770                  | 78790                            | 316770                                       | 99       | 105 | 202            | 40  | 8  | 4   |
| 80-12T4  |          | 12          | 7,938   | 4      | 1920                  | 74300                            | 256810                                       | 103      | 110 | 185            | 40  | 8  | 4   |
| 80-12T6  |          |             |         | 6      | 2800                  | 105300                           | 385210                                       | 103      | 110 | 238            | 50  | 8  | 4   |
| 80-16T3  |          | 16          | 9,525   | 3      | 1880                  | 96630                            | 316220                                       | 108      | 115 | 200            | 40  | 10 | 5   |
| 80-16T4  |          |             |         | 4      | 2540                  | 123750                           | 421620                                       | 108      | 115 | 236            | 50  | 10 | 5   |
| 80-20T3  |          | 20          |         | 3      | 1890                  | 96630                            | 316220                                       | 108      | 115 | 245            | 50  | 10 | 5   |
| 80-20T4  |          |             |         | 4      | 2480                  | 123750                           | 421620                                       | 108      | 115 | 289            | 63  | 10 | 5   |
| 100-12T4 | 100      | 12          | 7,938   | 4      | 2060                  | 83060                            | 330010                                       | 123      | 130 | 185            | 40  | 8  | 4   |
| 100-12T6 |          |             |         | 6      | 3430                  | 117720                           | 495020                                       | 123      | 130 | 238            | 50  | 8  | 4   |
| 100-16T4 |          | 16          | 9,525   | 4      | 2120                  | 135690                           | 531610                                       | 125      | 135 | 236            | 50  | 10 | 5   |
| 100-16T6 |          |             |         | 6      | 2760                  | 192300                           | 797410                                       | 125      | 135 | 310            | 63  | 10 | 5   |
| 100-20T4 |          | 20          |         | 4      | 3000                  | 135690                           | 531610                                       | 125      | 135 | 289            | 63  | 10 | 5   |

### Typ OFSV



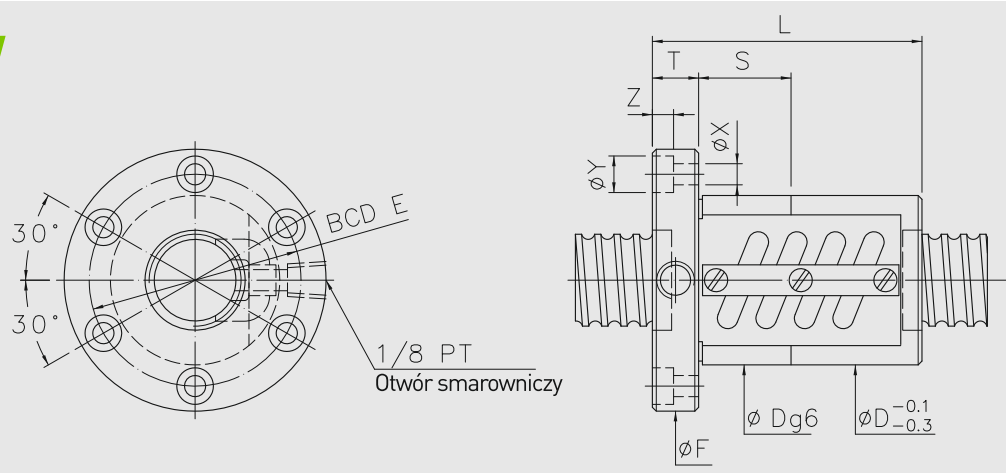
| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    |       | Rurka zwrotna |    | Śruba |      |     | Pasowanie |
|---------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|-----|----------|----|-------|---------------|----|-------|------|-----|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      |          |     |          |    |       |               |    |       |      |     |           |
|         |          |             |         |        |                    |                          |                                      | D        | L   | F        | T  | BCD-E | W             | H  | X     | Y    | Z   | S         |
| 32-10B1 | 32       | 10          | 6,35    | 2,5x1  | 610                | 26500                    | 55990                                | 66       | 100 | 100      | 15 | 82    | 43            | 37 | 9     | 14   | 8,5 | 30        |
| 32-12B1 |          | 12          |         | 2,5x1  | 610                | 26500                    | 55990                                | 66       | 117 | 100      | 18 | 82    | 43            | 37 | 9     | 14   | 8,5 | 30        |
| 32-15B1 |          | 15          | 7,144   | 2,5x1  | 610                | 30350                    | 61650                                | 60       | 130 | 87       | 15 | 73    | 45            | 40 | 6,5   | 11   | 6,5 | 30        |
| 40-8B1  | 40       | 8           | 4,763   | 2,5x1  | 700                | 20020                    | 53010                                | 62       | 86  | 96       | 16 | 78    | 49            | 39 | 9     | 14   | 8,5 | 30        |
| 50-10B1 | 50       | 10          | 6,35    | 2,5x1  | 880                | 32630                    | 88350                                | 84       | 107 | 128      | 22 | 106   | 61            | 48 | 11    | 17,5 | 11  | 30        |

Wskazówka! Podana klasa sztywności bazuje na teoretycznie wyliczonej elastycznej deformacji między bieżnią toczną a kulą przy naprężeniu wstępnym 10 % nośności dynamicznej i istniejącym obciążeniu wzdłużnym.

# Mechanizmy śrubowo-toczne

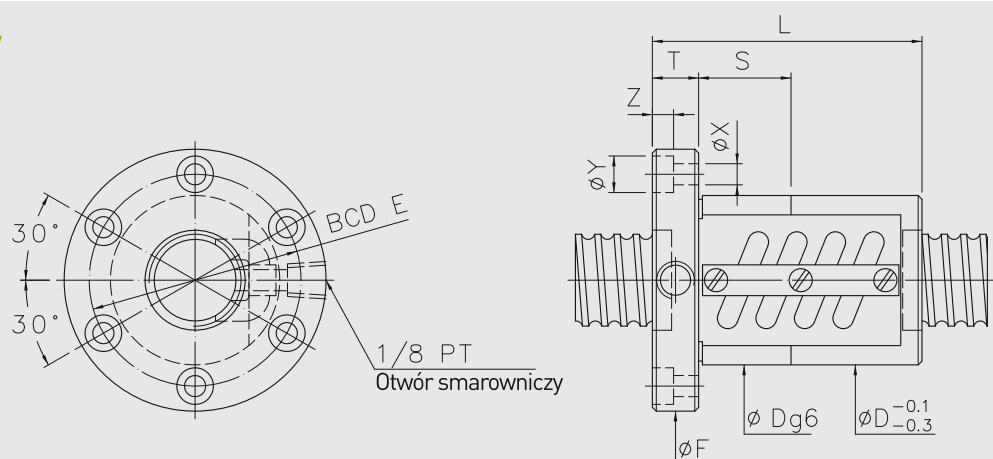
## Szlifowane precyzyjnie

### Typ OFSW



| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |     |      |     | Pasowanie |
|---------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|-----|----------|----|-------|-----|------|-----|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      | D        | L   | F        | T  | BCD-E | X   | Y    | Z   | S         |
| 16-5B1  | 16       | 5           | 3,175   | 2,5x1  | 320                | 7630                     | 14000                                | 40       | 58  | 64       | 12 | 51    | 5,5 | 9,5  | 5,5 | 24        |
| 16-5A1  |          |             |         | 1,5x1  | 200                | 4820                     | 8200                                 | 40       | 50  | 64       | 12 | 51    | 5,5 | 9,5  | 5,5 | 24        |
| 20-5B1  | 20       | 5           | 3,175   | 2,5x1  | 380                | 8370                     | 17330                                | 44       | 60  | 68       | 12 | 55    | 5,5 | 9,5  | 5,5 | 24        |
| 20-5A2  |          |             |         | 1,5x2  | 460                | 9790                     | 20790                                | 44       | 70  | 68       | 12 | 55    | 5,5 | 9,5  | 5,5 | 24        |
| 20-6B1  | 20       | 6           | 3,969   | 2,5x1  | 400                | 11390                    | 21870                                | 48       | 69  | 72       | 12 | 59    | 5,5 | 9,5  | 5,5 | 24        |
| 25-4B1  | 25       | 4           | 2,381   | 2,5x1  | 380                | 5440                     | 13760                                | 46       | 48  | 69       | 11 | 57    | 5,5 | 9,5  | 5,5 | 12        |
| 25-4B2  |          |             |         | 2,5x2  | 740                | 9880                     | 27520                                | 46       | 72  | 69       | 11 | 57    | 5,5 | 9,5  | 5,5 | 12        |
| 25-5B1  |          | 5           | 3,175   | 2,5x1  | 460                | 9390                     | 22090                                | 50       | 60  | 74       | 12 | 62    | 5,5 | 9,5  | 5,5 | 24        |
| 25-5A2  |          |             |         | 1,5x2  | 480                | 10780                    | 25940                                | 50       | 70  | 74       | 12 | 62    | 5,5 | 9,5  | 5,5 | 24        |
| 25-5C1  |          | 6           | 3,969   | 3,5x1  | 680                | 12520                    | 30850                                | 50       | 72  | 74       | 12 | 62    | 5,5 | 9,5  | 5,5 | 24        |
| 25-6A2  |          |             |         | 1,5x2  | 560                | 14620                    | 32490                                | 56       | 82  | 82       | 12 | 69    | 6,6 | 11   | 6,5 | 24        |
| 25-6C1  |          | 10          | 4,763   | 3,5x1  | 660                | 16900                    | 38440                                | 56       | 81  | 82       | 12 | 69    | 6,6 | 11   | 6,5 | 24        |
| 25-10A1 |          |             |         | 1,5x1  | 290                | 10190                    | 19270                                | 60       | 81  | 86       | 16 | 73    | 6,6 | 11   | 6,5 | 24        |
| 28-5B1  | 28       | 5           | 3,175   | 2,5x1  | 510                | 9840                     | 24660                                | 55       | 60  | 85       | 12 | 69    | 6,6 | 11   | 6,5 | 24        |
| 28-5B2  |          |             |         | 2,5x2  | 980                | 17850                    | 49320                                | 55       | 96  | 85       | 12 | 69    | 6,6 | 11   | 6,5 | 24        |
| 28-6A2  | 28       | 6           | 3,969   | 1,5x2  | 590                | 11500                    | 29600                                | 55       | 80  | 85       | 12 | 69    | 6,6 | 11   | 6,5 | 24        |
| 32-5B1  | 32       | 5           | 3,175   | 2,5x1  | 550                | 10390                    | 28330                                | 58       | 62  | 84       | 12 | 71    | 6,6 | 11   | 6,5 | 24        |
| 32-5A2  |          |             |         | 1,5x2  | 650                | 12160                    | 34000                                | 58       | 70  | 84       | 12 | 71    | 6,6 | 11   | 6,5 | 24        |
| 32-5C1  |          |             |         | 3,5x1  | 760                | 13880                    | 39670                                | 58       | 72  | 84       | 12 | 71    | 6,6 | 11   | 6,5 | 24        |
| 32-6B1  |          | 6           | 3,969   | 2,5x1  | 570                | 14090                    | 35100                                | 62       | 70  | 88       | 12 | 75    | 6,6 | 11   | 6,5 | 24        |
| 32-6A2  |          |             |         | 1,5x2  | 670                | 16330                    | 41680                                | 62       | 81  | 88       | 12 | 75    | 6,6 | 11   | 6,5 | 24        |
| 32-6C1  |          |             |         | 3,5x1  | 780                | 18880                    | 49360                                | 62       | 83  | 88       | 12 | 75    | 6,6 | 11   | 6,5 | 24        |
| 32-8B1  |          | 8           | 4,763   | 2,5x1  | 580                | 18100                    | 42270                                | 66       | 92  | 100      | 16 | 82    | 9   | 14   | 8,5 | 30        |
| 32-8A2  |          |             |         | 1,5x2  | 690                | 20940                    | 50090                                | 66       | 106 | 100      | 16 | 82    | 9   | 14   | 8,5 | 30        |
| 32-8C1  |          |             |         | 3,5x1  | 820                | 24280                    | 59480                                | 66       | 108 | 100      | 16 | 82    | 9   | 14   | 8,5 | 30        |
| 32-10B1 |          | 10          | 6,35    | 2,5x1  | 580                | 26510                    | 56000                                | 74       | 110 | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 32-10A1 |          |             |         | 1,5x1  | 360                | 16730                    | 32780                                | 74       | 90  | 108      | 16 | 90    | 9   | 14   | 8,5 | 30        |
| 32-12A1 |          |             |         | 1,5x1  | 370                | 16720                    | 32780                                | 74       | 97  | 108      | 18 | 90    | 9   | 14   | 8,5 | 15        |
| 32-12B1 |          | 12          | 6,35    | 2,5x1  | 610                | 26500                    | 55990                                | 74       | 117 | 108      | 18 | 90    | 9   | 14   | 8,5 | 15        |
| 36-6B1  | 36       | 6           | 3,175   | 2,5x1  | 620                | 14860                    | 39690                                | 65       | 68  | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 24        |
| 36-6B2  |          |             |         | 2,5x2  | 1210               | 26960                    | 79370                                | 65       | 103 | 100      | 12 | 82    | 6,6 | 11   | 6,5 | 24        |
| 36-10A1 |          | 10          | 6,35    | 1,5x1  | 400                | 17790                    | 37180                                | 75       | 90  | 120      | 18 | 98    | 11  | 17,5 | 11  | 30        |
| 36-16B1 |          | 16          | 6,35    | 2,5x1  | 670                | 28120                    | 63340                                | 74       | 136 | 114      | 18 | 90    | 9   | 14   | 8,5 | 15        |
| 40-5B1  | 40       | 5           | 3,175   | 2,5x1  | 650                | 11410                    | 35670                                | 68       | 65  | 102      | 16 | 84    | 9   | 14   | 8,5 | 30        |

### Typ OFSW



| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    |     | Śruba |      |     | Pasowanie |
|---------|----------|-------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-----|-------|------|-----|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                       |                                |                                            |          |     |          |    |     |       |      |     |           |
| 40-5B2  | 40       | 5           | 3,175   | 2,5x2  | 1320                  | 20710                          | 71340                                      | 68       | 95  | 102      | 16 | 84  | 9     | 14   | 8,5 | 30        |
| 40-6B2  |          | 6           | 3,969   | 2,5x2  | 1360                  | 28170                          | 88550                                      | 70       | 109 | 104      | 16 | 86  | 9     | 14   | 8,5 | 30        |
| 40-8B1  |          | 8           | 4,763   | 2,5x1  | 690                   | 20030                          | 53020                                      | 74       | 90  | 108      | 16 | 90  | 9     | 14   | 8,5 | 30        |
| 40-8C1  |          |             |         | 3,5x1  | 960                   | 26790                          | 74380                                      | 74       | 108 | 108      | 16 | 90  | 9     | 14   | 8,5 | 30        |
| 40-10B1 |          | 10          | 6,35    | 2,5x1  | 720                   | 29590                          | 70690                                      | 84       | 110 | 125      | 18 | 104 | 11    | 17,5 | 11  | 30        |
| 40-10C1 |          |             |         | 3,5x1  | 1020                  | 39320                          | 98410                                      | 84       | 132 | 125      | 18 | 104 | 11    | 17,5 | 11  | 30        |
| 40-12B1 |          | 12          | 7,144   | 2,5x1  | 720                   | 34250                          | 78370                                      | 86       | 117 | 128      | 18 | 106 | 11    | 17,5 | 11  | 40        |
| 40-16A1 |          | 16          |         | 1,5x1  | 460                   | 22080                          | 47030                                      | 86       | 117 | 128      | 18 | 106 | 11    | 17,5 | 11  | 40        |
| 45-10B1 | 45       | 10          | 6,35    | 2,5x1  | 760                   | 31110                          | 79530                                      | 88       | 110 | 132      | 18 | 110 | 11    | 17,5 | 11  | 30        |
| 45-12B1 |          | 12          | 7,938   | 2,5x1  | 810                   | 42020                          | 99000                                      | 96       | 132 | 142      | 22 | 117 | 13    | 20   | 13  | 40        |
| 50-5A2  | 50       | 5           | 3,175   | 1,5x2  | 960                   | 14470                          | 53820                                      | 80       | 74  | 114      | 16 | 96  | 9     | 14   | 8,5 | 30        |
| 50-5A3  |          |             |         | 1,5x3  | 1430                  | 20510                          | 80720                                      | 80       | 103 | 114      | 16 | 96  | 9     | 14   | 8,5 | 30        |
| 50-6B2  |          | 6           | 3,969   | 2,5x2  | 1610                  | 30930                          | 111490                                     | 84       | 110 | 118      | 16 | 100 | 9     | 14   | 8,5 | 30        |
| 50-8B1  |          | 8           | 4,763   | 2,5x1  | 810                   | 22060                          | 67050                                      | 87       | 92  | 128      | 18 | 107 | 11    | 17,5 | 11  | 30        |
| 50-8B2  |          |             |         | 2,5x2  | 1650                  | 40040                          | 134090                                     | 87       | 140 | 128      | 18 | 107 | 11    | 17,5 | 11  | 30        |
| 50-10B2 |          | 10          | 6,35    | 2,5x2  | 1730                  | 59230                          | 176700                                     | 94       | 170 | 135      | 18 | 114 | 11    | 17,5 | 11  | 30        |
| 50-10C1 |          |             |         | 3,5x1  | 1200                  | 43930                          | 124810                                     | 94       | 130 | 135      | 18 | 114 | 11    | 17,5 | 11  | 30        |
| 50-12B1 |          | 12          | 7,938   | 2,5x1  | 1230                  | 44200                          | 110470                                     | 102      | 132 | 150      | 22 | 125 | 13    | 20   | 13  | 40        |
| 55-10C1 | 55       | 10          | 6,35    | 3,5x1  | 1320                  | 45620                          | 136610                                     | 100      | 130 | 140      | 18 | 118 | 11    | 17,5 | 11  | 40        |
| 55-12B1 |          | 12          | 7,938   | 2,5x1  | 1280                  | 46240                          | 121950                                     | 105      | 132 | 154      | 22 | 127 | 13    | 20   | 13  | 40        |
| 63-8A2  | 63       | 8           | 4,763   | 1,5x2  | 1070                  | 28260                          | 101290                                     | 104      | 108 | 146      | 18 | 124 | 11    | 17,5 | 11  | 40        |
| 63-10B2 |          | 10          | 6,35    | 2,5x2  | 2060                  | 65330                          | 223710                                     | 110      | 172 | 152      | 20 | 130 | 11    | 17,5 | 11  | 40        |
| 63-12B1 |          | 12          | 7,938   | 2,5x1  | 1070                  | 49270                          | 140310                                     | 118      | 135 | 166      | 22 | 141 | 13    | 20   | 13  | 40        |
| 63-16B1 |          | 16          | 9,525   | 2,5x1  | 1400                  | 81890                          | 230050                                     | 124      | 158 | 172      | 22 | 147 | 13    | 20   | 13  | 40        |
| 63-20A1 |          | 20          |         | 1,5x1  | 840                   | 53060                          | 138900                                     | 124      | 147 | 172      | 22 | 147 | 13    | 20   | 13  | 40        |
| 70-10B1 | 70       | 10          | 6,35    | 2,5x1  | 1140                  | 37700                          | 125060                                     | 124      | 112 | 170      | 20 | 145 | 13    | 20   | 13  | 40        |
| 70-12B1 |          | 12          | 7,938   | 2,5x1  | 1180                  | 51690                          | 156380                                     | 130      | 132 | 178      | 22 | 152 | 13    | 20   | 13  | 40        |

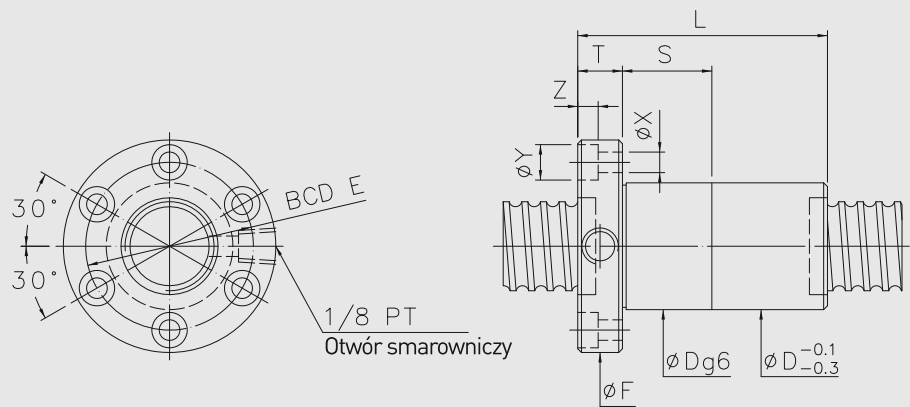
Wskazówka! Podana klasa sztywności bazuje na wyliczonej teoretycznie elastycznej deformacji między bieżnią toczną a kulką przy naprężeniu wstępnym 10 % nośności dynamicznej i istniejącym obciążeniu wzdłużnym.



# Mechanizmy śrubowo-toczne

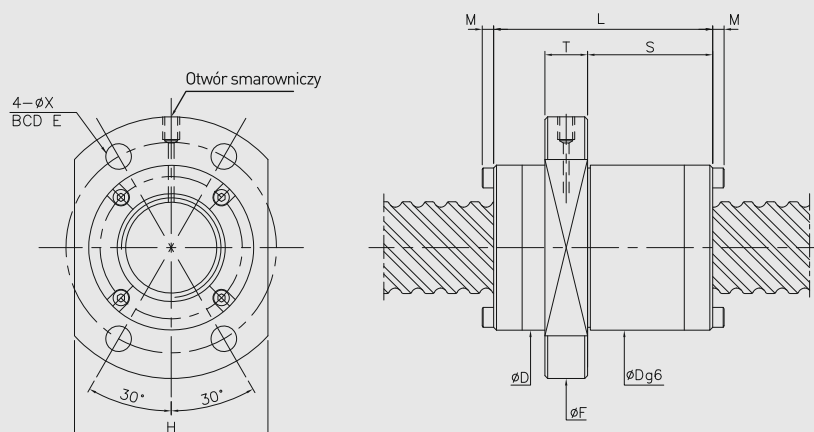
## Szlifowane precyzyjnie

### Typ OFSI



| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność K [N/µm] | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    | Śruba |     |      |     | Pasowanie |
|---------|----------|-------------|---------|--------|--------------------|--------------------------|--------------------------------------|----------|-----|----------|----|-------|-----|------|-----|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                    |                          |                                      | D        | L   | F        | T  | BCD-E | X   | Y    | Z   |           |
| 20-5T3  | 20       | 5           | 3,175   | 3x2    | 390                | 8520                     | 17670                                | 34       | 67  | 57       | 12 | 45    | 5,5 | 9,5  | 5,5 | 24        |
| 20-6T3  |          | 6           | 3,969   | 3x2    | 390                | 10910                    | 20810                                | 36       | 77  | 60       | 12 | 48    | 5,5 | 9,5  | 5,5 | 24        |
| 25-5T3  | 25       | 5           | 3,175   | 3x2    | 550                | 9770                     | 23140                                | 40       | 67  | 64       | 12 | 52    | 5,5 | 9,5  | 5,5 | 24        |
| 25-6T3  |          | 6           | 3,969   | 3x2    | 560                | 12720                    | 27620                                | 42       | 77  | 65       | 12 | 53    | 5,5 | 9,5  | 5,5 | 24        |
| 32-5T3  | 32       | 5           | 3,175   | 3x2    | 640                | 11170                    | 30810                                | 48       | 67  | 74       | 12 | 60    | 6,5 | 11   | 6,5 | 24        |
| 32-5T4  |          |             |         | 4x2    | 820                | 14310                    | 41080                                | 48       | 77  | 74       | 12 | 60    | 6,5 | 11   | 6,5 | 24        |
| 32-6T3  |          | 6           | 3,969   | 3x2    | 650                | 14460                    | 36200                                | 50       | 67  | 76       | 12 | 62    | 6,5 | 11   | 6,5 | 24        |
| 32-6T4  |          |             |         | 4x2    | 840                | 18520                    | 48260                                | 50       | 90  | 76       | 12 | 62    | 6,5 | 11   | 6,5 | 24        |
| 32-8T3  |          | 8           | 4,763   | 3x2    | 680                | 18100                    | 42270                                | 52       | 100 | 78       | 16 | 64    | 6,6 | 11   | 6,5 | 24        |
| 32-8T4  |          |             |         | 4x2    | 820                | 23170                    | 56350                                | 52       | 117 | 78       | 16 | 64    | 6,6 | 11   | 6,5 | 24        |
| 32-10T3 |          | 10          | 6,35    | 3x2    | 680                | 25390                    | 53270                                | 56       | 120 | 82       | 16 | 68    | 6,6 | 11   | 6,5 | 24        |
| 36-8T4  | 36       | 8           | 4,763   | 4      | 880                | 25310                    | 66140                                | 56       | 116 | 86       | 15 | 70    | 9   | 14   | 8,5 | 25        |
| 40-5T4  | 40       | 5           | 3,175   | 4x2    | 990                | 15990                    | 52800                                | 54       | 81  | 80       | 16 | 66    | 6,6 | 11   | 6,5 | 24        |
| 40-5T6  |          |             |         | 6x2    | 1460               | 22650                    | 79190                                | 54       | 102 | 80       | 16 | 66    | 6,6 | 11   | 6,5 | 24        |
| 40-6T4  |          | 6           | 3,969   | 4x2    | 1000               | 21360                    | 64200                                | 56       | 94  | 88       | 16 | 72    | 9   | 14   | 8,5 | 30        |
| 40-6T6  |          |             |         | 6x2    | 1480               | 30280                    | 96300                                | 56       | 119 | 88       | 16 | 72    | 9   | 14   | 8,5 | 30        |
| 40-8T4  |          | 8           | 4,763   | 4x2    | 1020               | 27280                    | 75960                                | 60       | 117 | 92       | 16 | 75    | 9   | 14   | 8,5 | 30        |
| 40-10T3 |          |             |         | 3x2    | 760                | 29590                    | 70690                                | 65       | 123 | 96       | 16 | 80    | 9   | 14   | 8,5 | 30        |
| 40-10T4 |          | 10          | 6,35    | 4x2    | 1010               | 37890                    | 94260                                | 65       | 143 | 96       | 16 | 80    | 9   | 14   | 8,5 | 30        |
| 50-5T4  | 50       | 5           | 3,175   | 4x2    | 1210               | 17570                    | 67450                                | 65       | 81  | 96       | 16 | 80    | 9   | 14   | 8,5 | 30        |
| 50-5T6  |          |             |         | 6x2    | 1770               | 24900                    | 101170                               | 65       | 102 | 96       | 16 | 80    | 9   | 14   | 8,5 | 30        |
| 50-6T4  |          | 6           | 3,969   | 4x2    | 1230               | 23880                    | 82500                                | 68       | 94  | 100      | 16 | 84    | 9   | 14   | 8,5 | 30        |
| 50-6T6  |          |             |         | 6x2    | 1790               | 33840                    | 123750                               | 68       | 119 | 100      | 16 | 84    | 9   | 14   | 8,5 | 30        |
| 50-8T4  |          | 8           | 4,763   | 4x2    | 1220               | 29980                    | 95780                                | 70       | 120 | 102      | 16 | 85    | 9   | 14   | 8,8 | 30        |
| 50-10T3 |          |             |         | 3x2    | 950                | 33970                    | 92560                                | 74       | 123 | 114      | 18 | 92    | 11  | 17,5 | 11  | 40        |
| 50-10T4 |          | 10          | 6,35    | 4x2    | 1240               | 43500                    | 123410                               | 74       | 143 | 114      | 18 | 92    | 11  | 17,5 | 11  | 40        |
| 50-12T3 |          | 12          | 7,938   | 3x2    | 940                | 44200                    | 110470                               | 78       | 147 | 118      | 18 | 96    | 11  | 17,5 | 11  | 40        |
| 63-6T4  | 63       | 6           | 3,969   | 4x2    | 1480               | 26140                    | 105420                               | 80       | 96  | 119      | 18 | 98    | 11  | 17,5 | 11  | 40        |
| 63-6T3  |          |             |         | 3x2    | 2200               | 37040                    | 158130                               | 80       | 121 | 119      | 18 | 98    | 11  | 17,5 | 11  | 40        |
| 63-8T4  |          | 8           | 4,763   | 4x2    | 1520               | 33950                    | 125410                               | 82       | 119 | 122      | 18 | 100   | 11  | 17,5 | 11  | 40        |
| 63-10T4 |          |             |         | 4x2    | 1580               | 48600                    | 158580                               | 88       | 147 | 134      | 20 | 110   | 14  | 20   | 13  | 40        |
| 63-12T3 |          | 12          | 7,938   | 3x2    | 1140               | 50590                    | 144700                               | 92       | 150 | 138      | 20 | 114   | 14  | 20   | 13  | 40        |

### Typ FSH



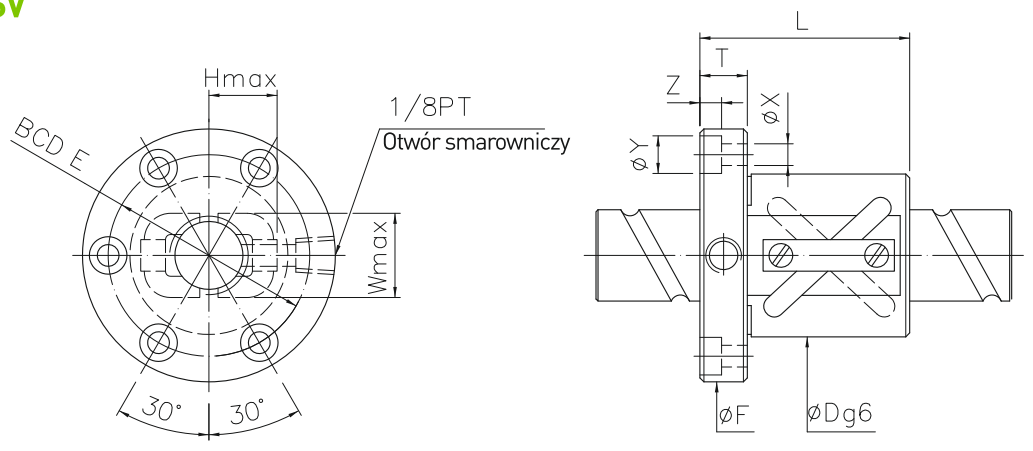
| Model   | Wielkość |             | Ø kulki | Obiegi | Sztywność<br>K [N/µm] | Nośność<br>dynamiczna<br>C [N] | Nośność<br>statyczna<br>C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    |       | Śruba |     |      | Pasowanie |
|---------|----------|-------------|---------|--------|-----------------------|--------------------------------|--------------------------------------------|----------|-----|----------|----|-------|-------|-----|------|-----------|
|         | Ø znam.  | Skok gwintu |         |        |                       |                                |                                            |          |     |          |    |       |       |     |      |           |
|         |          |             |         |        |                       |                                |                                            | D        | L   | F        | T  | BCD-E | X     | Y   | Z    | S         |
| 15-20S1 | 15       | 20          | 3,175   | 1,8x1  | 180                   | 5430                           | 9170                                       | 34       | 45  | 55       | 10 | 45    | 36    | 5,5 | 24   | 0         |
| 16-16S2 | 16       | 16          | 3,175   | 1,8x2  | 350                   | 8600                           | 16900                                      | 32       | 48  | 53       | 10 | 42    | 38    | 4,5 | 26   | 0         |
| 16-16S4 |          |             |         | 1,8x4  | 680                   | 15700                          | 33700                                      | 33       | 48  | 58       | 10 | 45    | 38    | 6,6 | 26   | 0         |
| 16-16S2 |          |             |         | 1,8x2  | 350                   | 8600                           | 16900                                      |          |     |          |    |       |       |     |      |           |
| 16-16S4 |          |             |         | 1,8x4  | 680                   | 15700                          | 33700                                      |          |     |          |    |       |       |     |      |           |
| 20-20S2 | 20       | 20          | 3,175   | 1,8x2  | 420                   | 9700                           | 21200                                      | 39       | 48  | 62       | 10 | 50    | 46    | 5,5 | 27,5 | 0         |
| 20-20S2 |          |             |         | 1,8x2  | 420                   | 9700                           | 21200                                      | 38       | 58  | 62       | 10 | 50    | 46    | 5,5 | 32,5 | 3         |
| 20-20S4 |          |             |         | 1,8x4  | 810                   | 17600                          | 42400                                      |          |     |          |    |       |       |     |      |           |
| 25-25S2 | 25       | 25          | 3,969   | 1,8x2  | 530                   | 14700                          | 34100                                      | 47       | 67  | 74       | 12 | 60    | 56    | 6,6 | 39,5 | 3         |
| 25-25S4 |          |             |         | 1,8x4  | 1050                  | 26700                          | 68300                                      |          |     |          |    |       |       |     |      |           |
| 32-32S2 | 32       | 32          | 4,762   | 1,8x2  | 660                   | 20900                          | 52000                                      | 58       | 85  | 92       | 15 | 74    | 68    | 9   | 48   | 0         |
| 32-32S4 |          |             |         | 1,8x4  | 1280                  | 38000                          | 104000                                     |          |     |          |    |       |       |     |      |           |
| 40-40S2 | 40       | 40          | 6,35    | 1,8x2  | 820                   | 34200                          | 87400                                      | 72       | 102 | 114      | 17 | 93    | 84    | 11  | 60   | 0         |
| 40-40S4 |          |             |         | 1,8x4  | 1590                  | 62200                          | 174800                                     |          |     |          |    |       |       |     |      |           |
| 50-50S2 | 50       | 50          | 7,938   | 1,8x2  | 1000                  | 50300                          | 132800                                     | 90       | 125 | 135      | 20 | 112   | 104   | 14  | 83,5 | 0         |
| 50-50S4 |          |             |         | 1,8x4  | 1930                  | 91100                          | 265600                                     |          |     |          |    |       |       |     |      |           |

Wskazówka! Podana klasa sztywności bazuje na wyliczonej teoretycznie elastycznej deformacji między bieżnią toczną a kulką przy naprężeniu wstępnym 5 % nośności dynamicznej i istniejącym obciążeniu wzdłużnym.

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

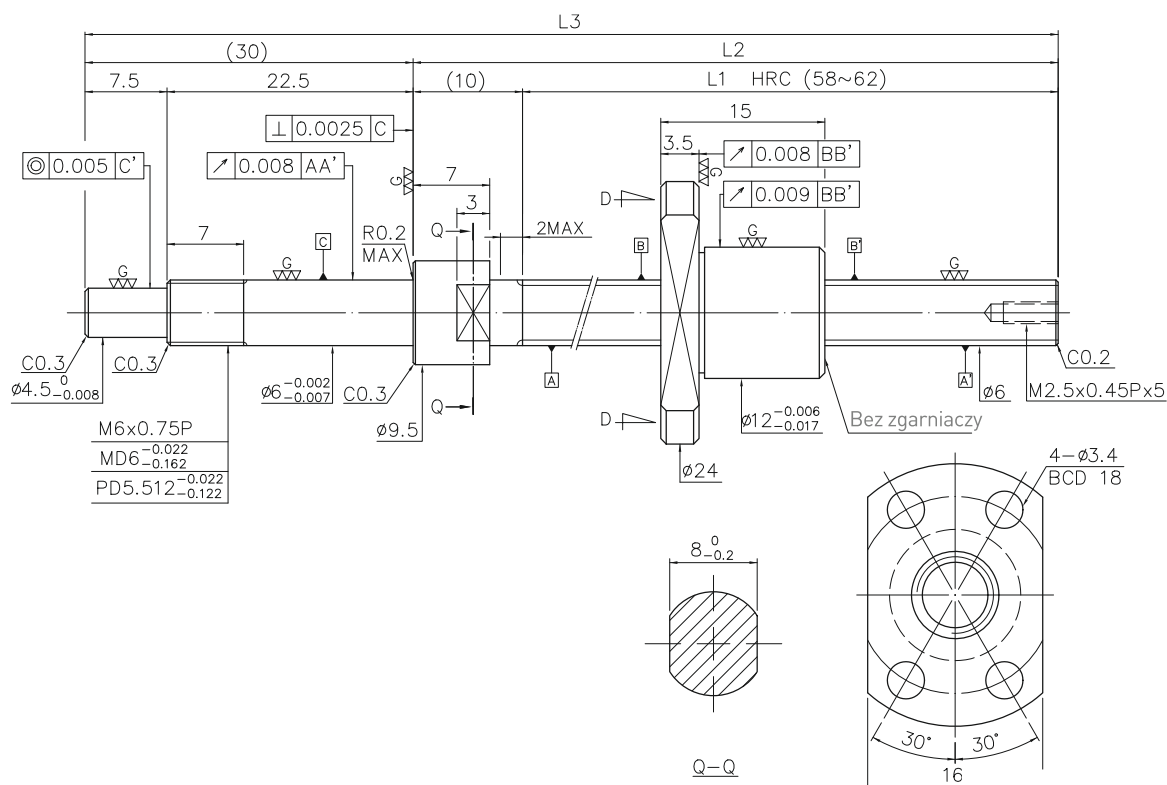
### Typ DFSV



| Model   | Wielkość |             | Ø kulki | Obiegi | Nośność dynamiczna C [N] | Nośność statyczna C <sub>0</sub> [N] | Nakrętka |     | Kotnierz |    |    | Rurka zwrotna |    | Śruba |      |     |
|---------|----------|-------------|---------|--------|--------------------------|--------------------------------------|----------|-----|----------|----|----|---------------|----|-------|------|-----|
|         | Ø znam.  | Skok gwintu |         |        |                          |                                      |          |     |          |    |    |               |    |       |      |     |
|         | D        | L           |         |        |                          |                                      | F        | T   | BCD-E    | W  | H  | X             | Y  | Z     |      |     |
| 16-16A2 | 16       | 16          | 3,175   | 1,5x2  | 7040                     | 13760                                | 32       | 50  | 55       | 12 | 43 | 22            | 22 | 5,5   | 9,5  | 5,5 |
| 20-20A2 | 20       | 20          |         | 1,5x2  | 7930                     | 17450                                | 36       | 59  | 60       | 12 | 47 | 28            | 27 | 5,5   | 9,5  | 5,5 |
| 25-25A2 | 25       | 25          | 3,969   | 1,5x2  | 11740                    | 27300                                | 42       | 69  | 70       | 12 | 55 | 32            | 28 | 6,6   | 11   | 6,5 |
| 32-32A2 | 32       | 32          | 4,763   | 1,5x2  | 16820                    | 42080                                | 54       | 84  | 100      | 15 | 80 | 40            | 37 | 9     | 14   | 8,5 |
| 40-40A2 | 40       | 40          | 6,350   | 1,5x2  | 28060                    | 72220                                | 65       | 105 | 106      | 18 | 85 | 52            | 42 | 11    | 17,5 | 11  |

### Typ FSI

(średnica 6, skok gwintu 1.0)

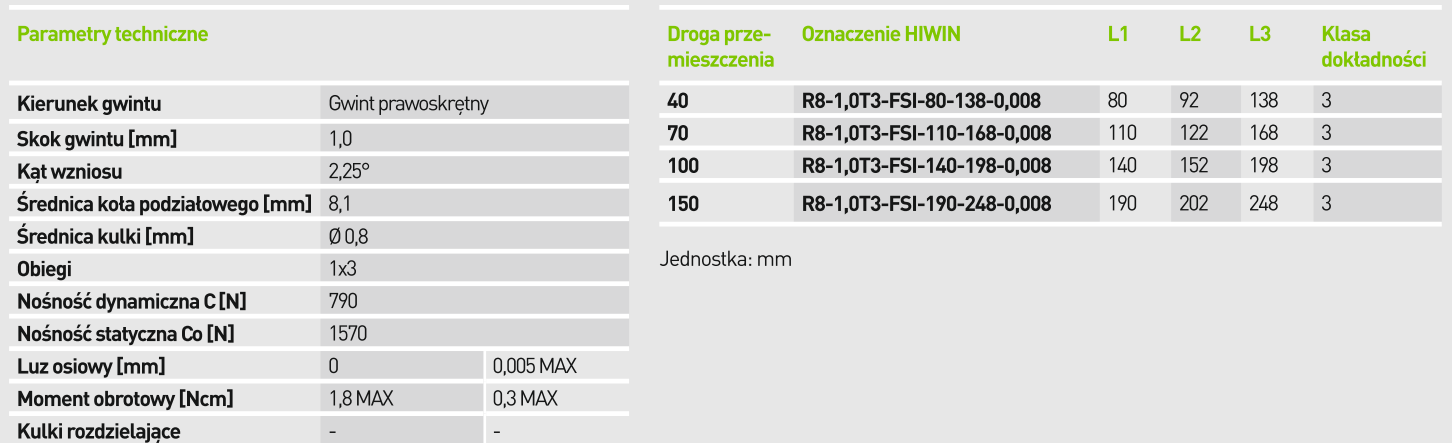


| Parametry techniczne mechanizmu śrubowo-tocznego |                    |           | Droga prze-<br>mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa<br>dokładności |
|--------------------------------------------------|--------------------|-----------|----------------------------|----------------------------|-----|-----|-----|----------------------|
| Kierunek gwintu                                  | Gwint prawoskrętny |           | 40                         | R6-1,0T3-FSI-65-105-0,008  | 65  | 75  | 105 | 3                    |
| Skok gwintu [mm]                                 | 1,0                |           | 70                         | R6-1,0T3-FSI-95-135-0,008  | 95  | 105 | 135 | 3                    |
| Kąt wzniosu                                      | 2,99°              |           | 100                        | R6-1,0T3-FSI-125-165-0,008 | 125 | 135 | 165 | 3                    |
| Ø koła podziałowego (mm)                         | 6,1                |           |                            |                            |     |     |     |                      |
| Średnica kulki [mm]                              | Ø 0,8              |           |                            |                            |     |     |     |                      |
| Obiegi                                           | 1x3                |           |                            |                            |     |     |     |                      |
| Nośność dynamiczna C [N]                         | 660                |           |                            |                            |     |     |     |                      |
| Nośność statyczna Co [N]                         | 1110               |           |                            |                            |     |     |     |                      |
| Luz osiowy [mm]                                  | 0                  | 0,005 MAX |                            |                            |     |     |     |                      |
| Moment obrotowy [Ncm]                            | 1,3 MAX            | 0,3 MAX   |                            |                            |     |     |     |                      |
| Kulki rozdzielające                              | -                  | -         |                            |                            |     |     |     |                      |

Jednostka: mm

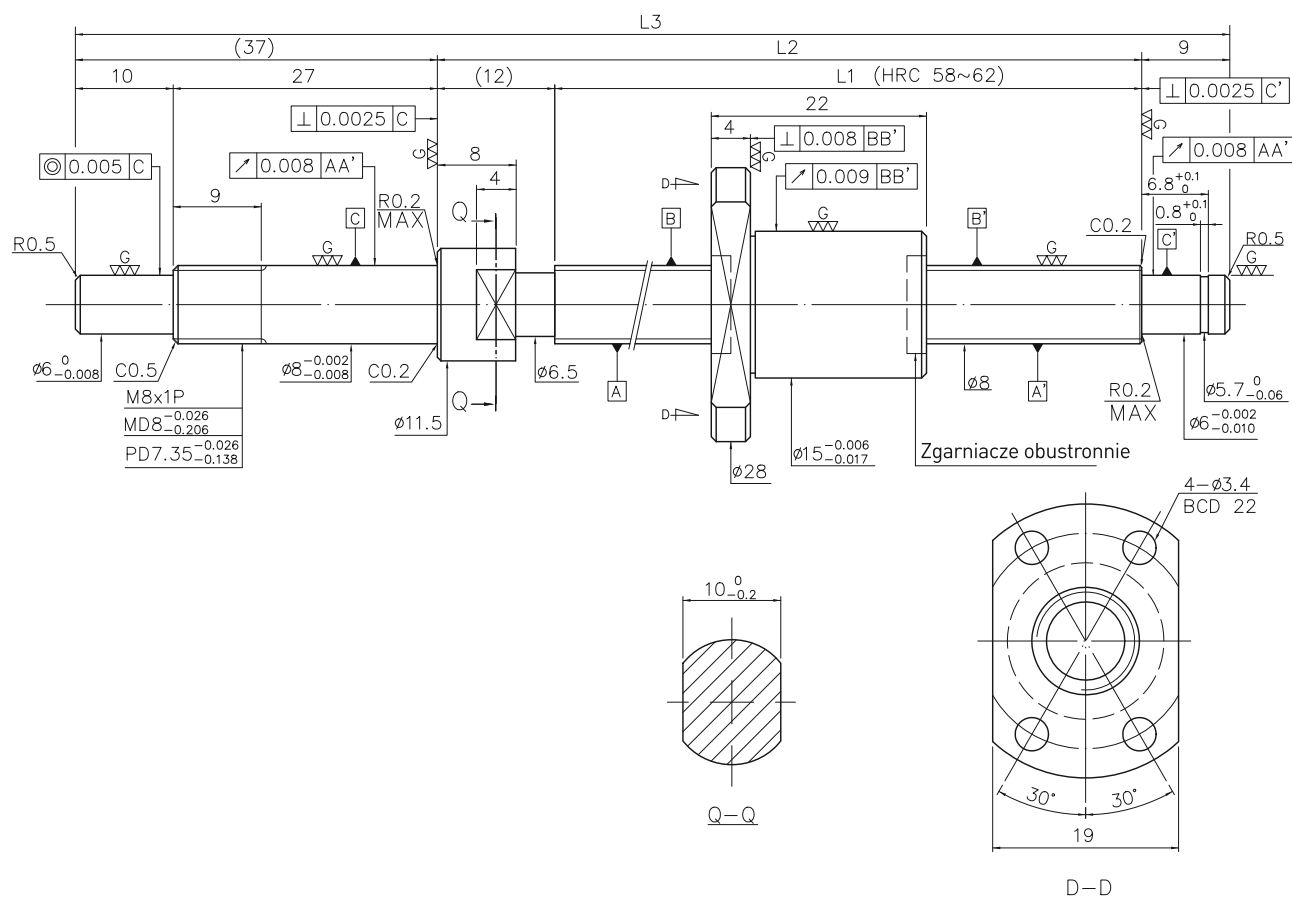
## Szlifowane precyzyjnie

(średnica 8, skok gwintu 1.0)



### Typ FSI

(średnica 8, skok gwintu 1.5)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 1,5                |           |
| Kąt wzniosu                     | 3,37°              |           |
| Średnica koła podziałowego [mm] | 8,1                |           |
| Średnica kulki [mm]             | Ø 1                |           |
| Obiegi                          | 1x3                |           |
| Nośność dynamiczna C [N]        | 1050               |           |
| Nośność statyczna Co [N]        | 1910               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 2 MAX              | 0,5 MAX   |
| Kulki rozdzielające             | -                  | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa dokładności |
|------------------------|----------------------------|-----|-----|-----|-------------------|
| 40                     | R8-1,5T3-FSI-80-138-0,008  | 80  | 92  | 138 | 3                 |
| 70                     | R8-1,5T3-FSI-110-168-0,008 | 110 | 122 | 168 | 3                 |
| 100                    | R8-1,5T3-FSI-140-198-0,008 | 140 | 152 | 198 | 3                 |
| 150                    | R8-1,5T3-FSI-190-248-0,008 | 190 | 202 | 248 | 3                 |

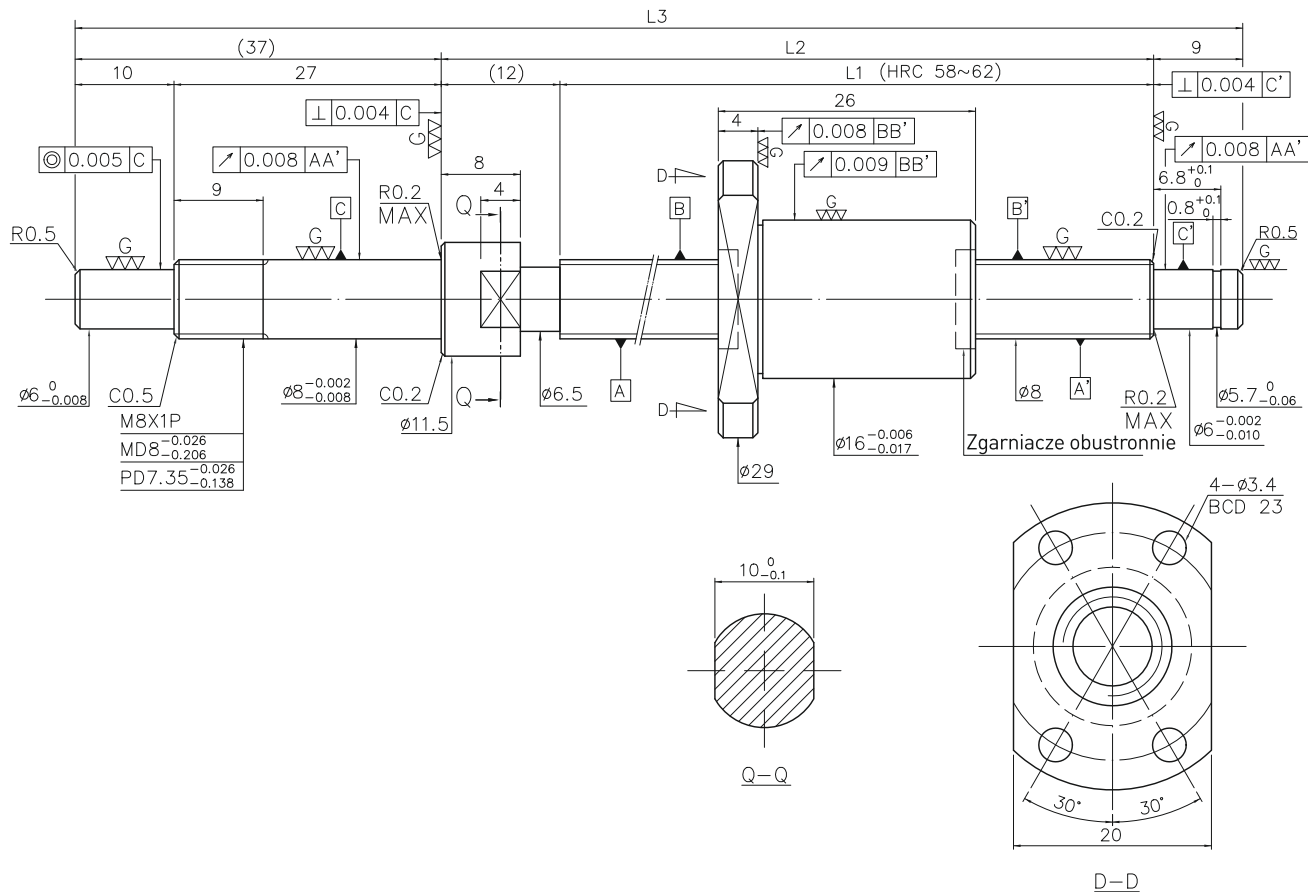
Jednostka: mm

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSI

(średnica 8, skok gwintu 2)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2                  |           |
| Kąt wzniosu                     | 4,44°              |           |
| Średnica koła podziałowego [mm] | 8,2                |           |
| Średnica kulki [mm]             | Ø 1,5              |           |
| Obiegi                          | 1x3                |           |
| Nośność dynamiczna C [N]        | 1700               |           |
| Nośność statyczna Co [N]        | 2670               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 2 MAX              | 0,5 MAX   |
| Kulki rozdzielające             | -                  | -         |

#### Droga prze-mieszczenia

#### Oznaczenie HIWIN

#### L1

#### L2

#### L3

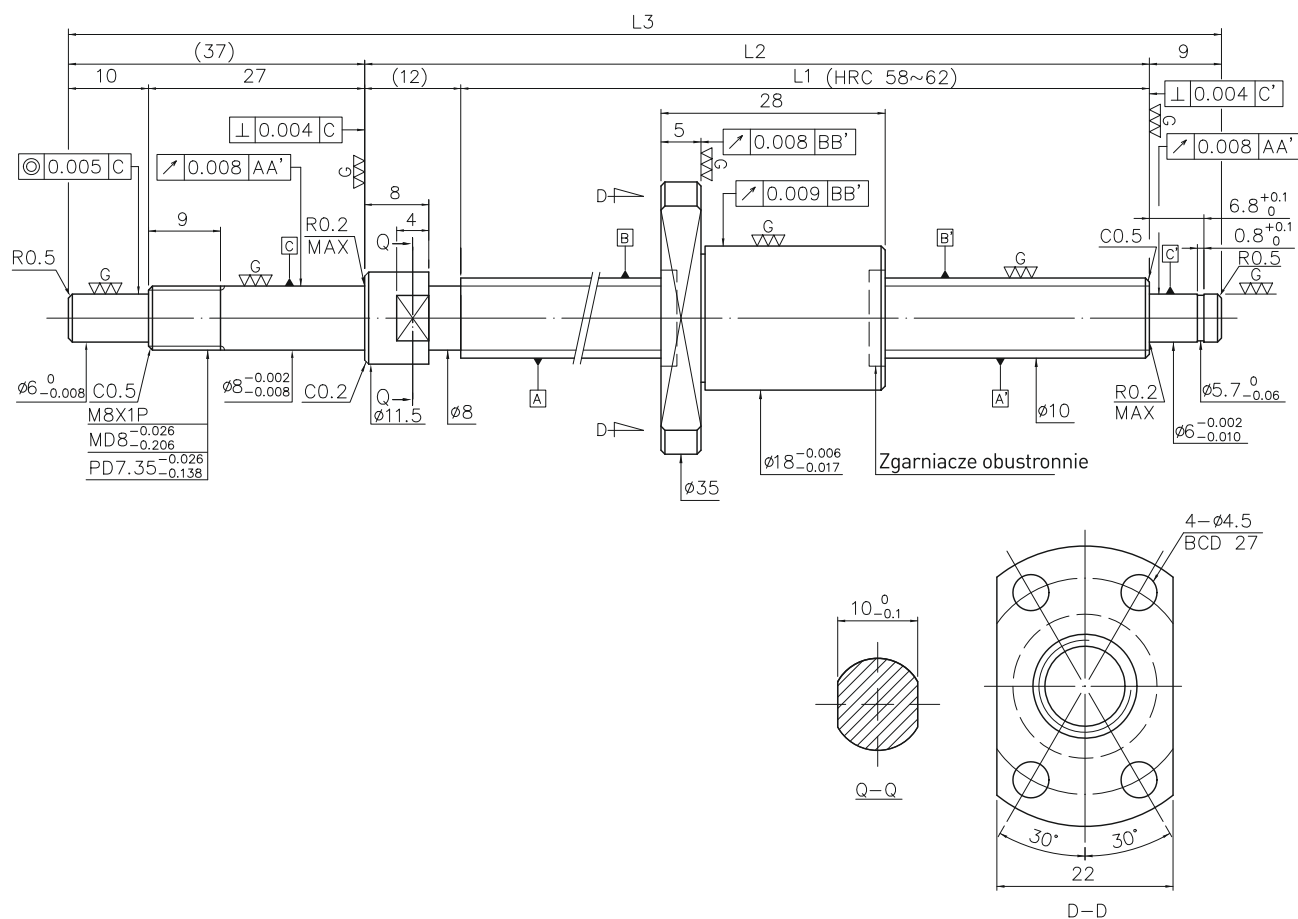
#### Klasa dokładności

|     |                          |     |     |     |   |
|-----|--------------------------|-----|-----|-----|---|
| 40  | R8-2T3-FSI-80-138-0,008  | 80  | 92  | 138 | 3 |
| 70  | R8-2T3-FSI-110-168-0,008 | 110 | 122 | 168 | 3 |
| 100 | R8-2T3-FSI-140-198-0,008 | 140 | 152 | 198 | 3 |
| 150 | R8-2T3-FSI-190-248-0,008 | 190 | 202 | 248 | 3 |

Jednostka: mm

### Typ FSI

(średnica 10, skok gwintu 2)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2                  |           |
| Kąt wzniosu                     | 3,57°              |           |
| Średnica koła podziałowego [mm] | 10,2               |           |
| Średnica kulki [mm]             | Ø 1,5              |           |
| Obiegi                          | 1x3                |           |
| Nośność dynamiczna C [N]        | 1960               |           |
| Nośność statyczna Co [N]        | 3480               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 1 ~ 2,5            | 0,5 MAX   |
| Kulki rozdzielające             | -                  | -         |

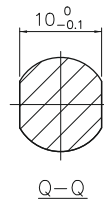
| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 50                     | R10-2T3-FSI-100-158-0,008 | 100 | 112 | 158 | 3                 |
| 100                    | R10-2T3-FSI-150-208-0,008 | 150 | 162 | 208 | 3                 |
| 150                    | R10-2T3-FSI-200-258-0,008 | 200 | 212 | 258 | 3                 |
| 200                    | R10-2T3-FSI-250-308-0,008 | 250 | 262 | 308 | 3                 |

Jednostka: mm



## Szlifowane precyzyjnie

(średnica 10, skok gwintu 2.5)

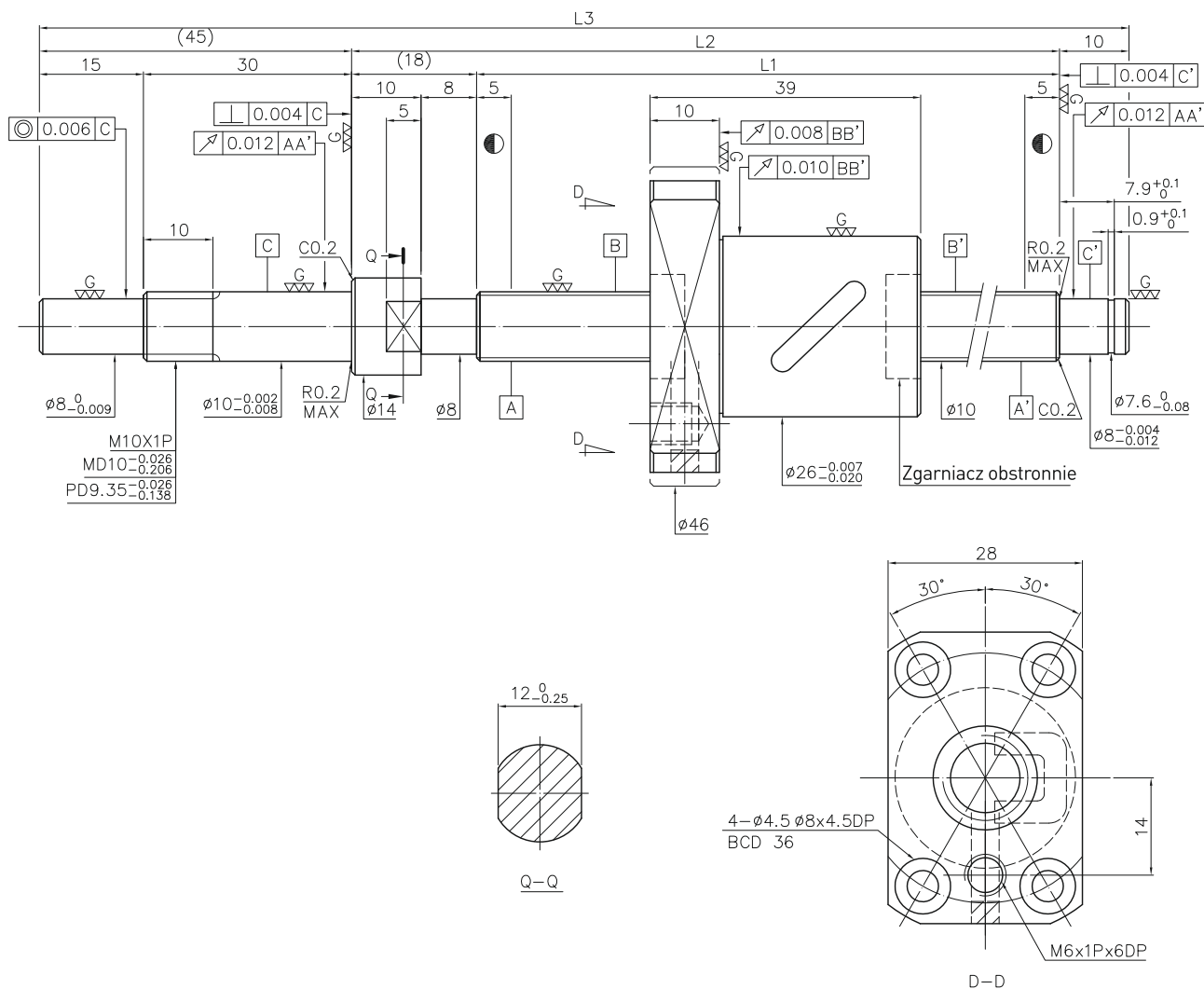


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2,5                |           |
| Kąt wzniosu                     | 4,46°              |           |
| Średnica koła podziałowego [mm] | 10,2               |           |
| Średnica kulki [mm]             | Ø 2                |           |
| Obiegi                          | 1x3                |           |
| Nośność dynamiczna C [N]        | 2740               |           |
| Nośność statyczna Co [N]        | 4380               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 0,2 ~ 3            | 0,5 MAX   |
| Kulki rozdzielające             | -                  | -         |

Jednostka: mm

### Typ FSB

(średnica 10, skok gwintu 10)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 10                 |           |
| Kąt wzniosu                     | 16,71°             |           |
| Średnica koła podziałowego [mm] | 10,6               |           |
| Średnica kulki [mm]             | φ 3,175            |           |
| Obiegi                          | 1,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 2230               | 3540      |
| Nośność statyczna Co [N]        | 2450               | 4890      |
| Moment obrotowy [Ncm]           | 1 ~ 5              | -         |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa dokładności |
|------------------------|----------------------------|-----|-----|-----|-------------------|
| 100                    | R10-10A1-FSV-167-240-0,008 | 167 | 185 | 240 | 3                 |
| 150                    | R10-10A1-FSV-217-290-0,008 | 217 | 235 | 290 | 3                 |
| 200                    | R10-10A1-FSV-267-340-0,008 | 267 | 285 | 340 | 3                 |
| 250                    | R10-10A1-FSV-317-390-0,008 | 317 | 335 | 390 | 3                 |
| 300                    | R10-10A1-FSV-367-440-0,008 | 367 | 385 | 440 | 3                 |

Jednostka: mm

## Szlifowane precyzyjnie

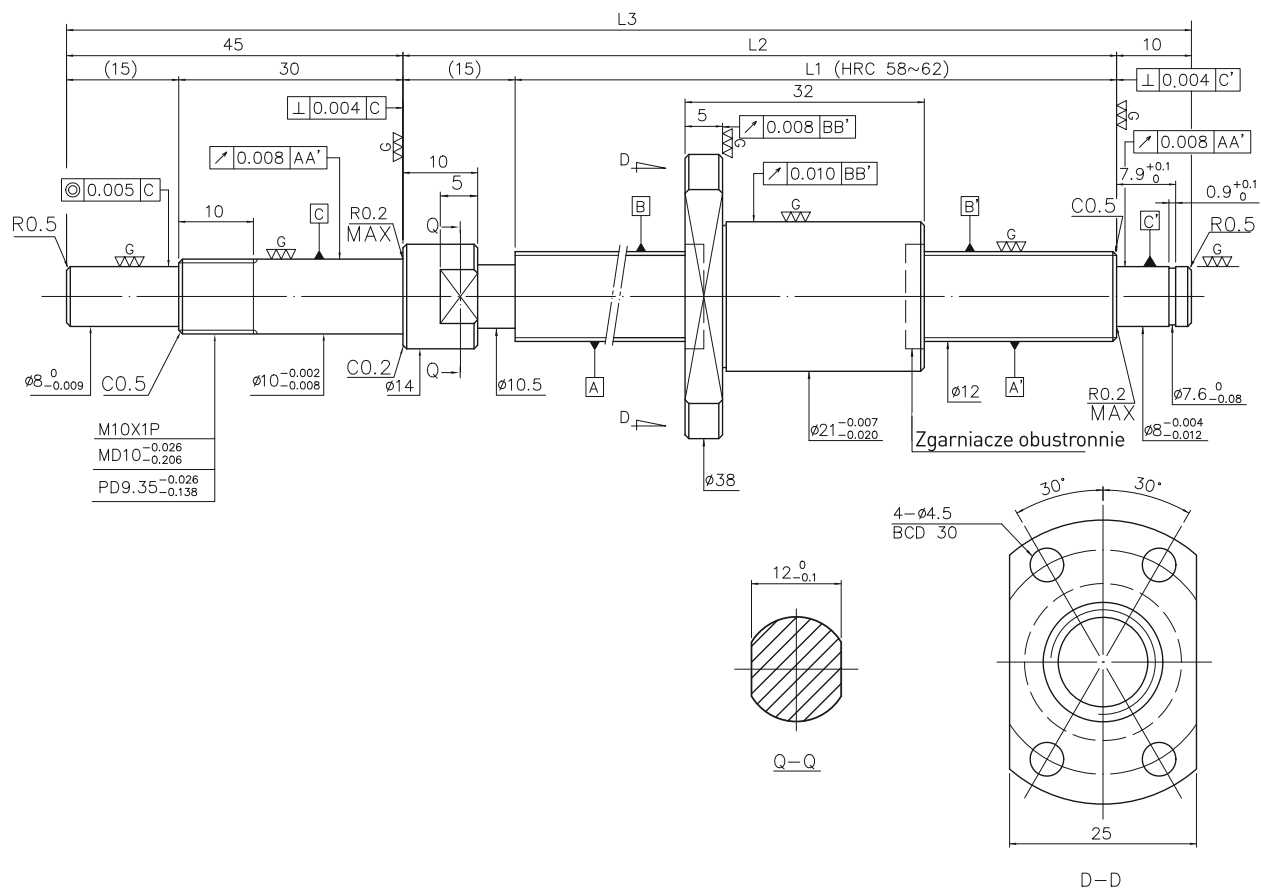
(średnica 12, skok gwintu 2)



| Droga prze-<br>mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa<br>dokładności |
|----------------------------|---------------------------|-----|-----|-----|----------------------|
| 50                         | R12-2T3-FSI-110-180-0,008 | 110 | 125 | 180 | 3                    |
| 100                        | R12-2T3-FSI-160-230-0,008 | 160 | 175 | 230 | 3                    |
| 150                        | R12-2T3-FSI-210-280-0,008 | 210 | 225 | 280 | 3                    |
| 200                        | R12-2T3-FSI-260-330-0,008 | 260 | 275 | 330 | 3                    |
| 250                        | R12-2T3-FSI-310-380-0,008 | 310 | 325 | 380 | 3                    |

Jednostka: mm

(średnica 12, skok gwintu 2.5)



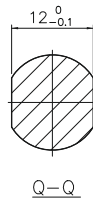
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2,5                |           |
| Kąt wzniosu                     | 3,73°              |           |
| Średnica koła podziatowego [mm] | 12,2               |           |
| Średnica kulki [mm]             | Ø 1,5              |           |
| Obiegi                          | 1x3                |           |
| Nośność dynamiczna C [N]        | 2170               |           |
| Nośność statyczna Co [N]        | 4300               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 0,4 ~ 4            | 1 MAX     |
| Kulki rozdzielające             | -                  | -         |

| Droga prze-<br>mieszczenia | Oznaczenie HIWIN            | L1  | L2  | L3  | Klasa<br>dokładności |
|----------------------------|-----------------------------|-----|-----|-----|----------------------|
| 50                         | R12-2,5T3-FSI-110-180-0,008 | 110 | 125 | 180 | 3                    |
| 100                        | R12-2,5T3-FSI-160-230-0,008 | 160 | 175 | 230 | 3                    |
| 150                        | R12-2,5T3-FSI-210-280-0,008 | 210 | 225 | 280 | 3                    |
| 200                        | R12-2,5T3-FSI-260-330-0,008 | 260 | 275 | 330 | 3                    |
| 250                        | R12-2,5T3-FSI-310-380-0,008 | 310 | 325 | 380 | 3                    |

81

## Szlifowane precyzyjnie

(średnica 12, skok gwintu 5)

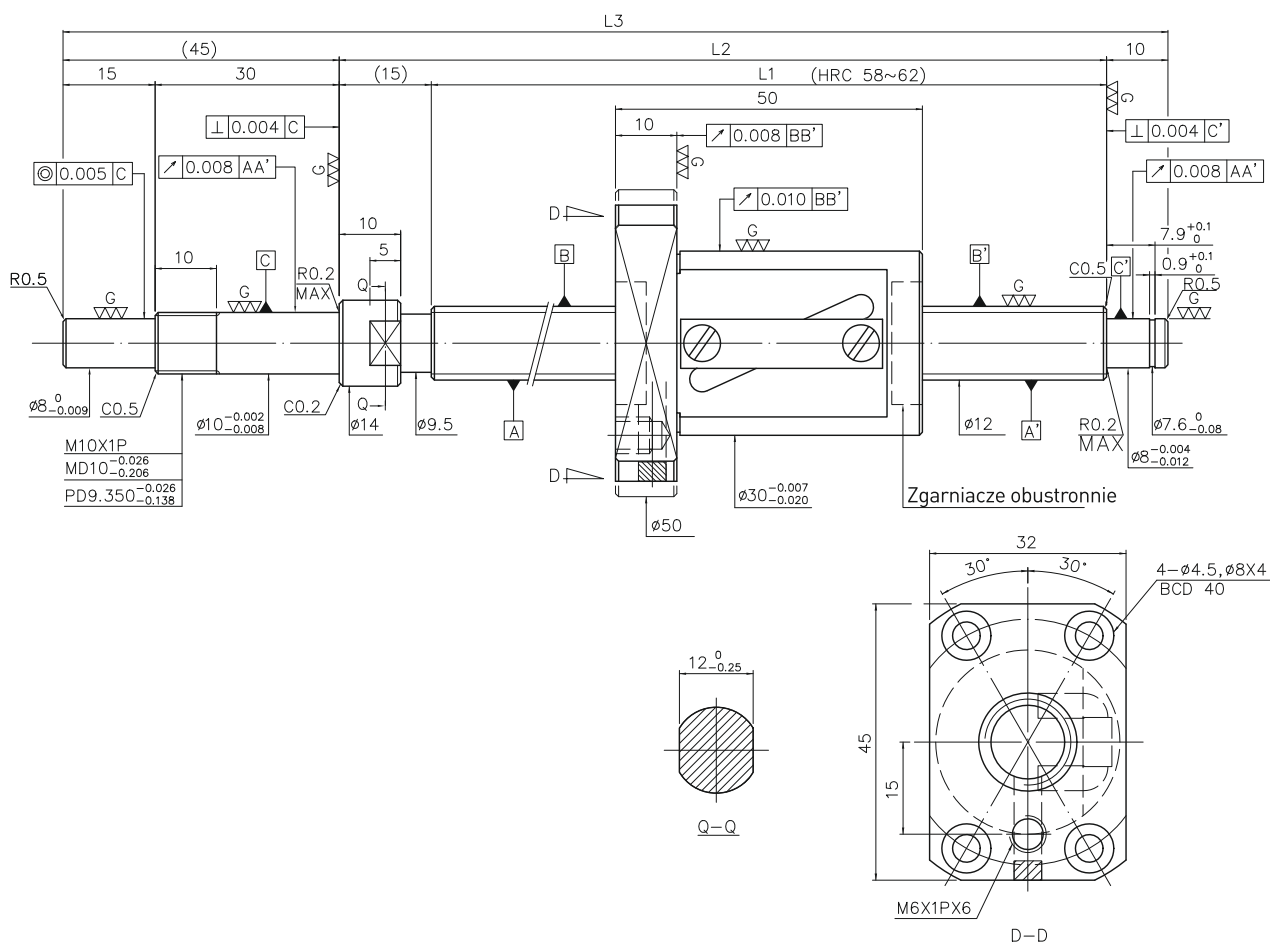


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 5                  |           |
| Kąt wzniosu                     | 7,4°               |           |
| Średnica koła podziałowego [mm] | 12,25              |           |
| Średnica kulki [mm]             | Ø 2,381            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 2410               | 3820      |
| Nośność statyczna Co [N]        | 3190               | 6370      |
| Moment obrotowy [Ncm]           | 1 ~ 4,6            | 1 MAX     |
| Kulki rozdzielające             | -                  | -         |

Jednostka: mm

### Typ FSW

(średnica 12, skok gwintu 10)



#### Parametry techniczne mechanizmu śrubowo-tocznego

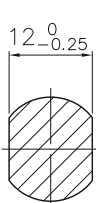
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 10                 |           |
| Kąt wzniosu                     | 14,57°             |           |
| Średnica koła podziałowego [mm] | 12,25              |           |
| Średnica kulki [mm]             | ø 2,381            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 2410               | 3820      |
| Nośność statyczna Co [N]        | 3190               | 6370      |
| Moment obrotowy [Ncm]           | 1 ~ 5              | 1,5 MAX   |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa dokładności |
|------------------------|----------------------------|-----|-----|-----|-------------------|
| 100                    | R12-10B1-FSW-160-230-0,008 | 160 | 175 | 230 | 3                 |
| 150                    | R12-10B1-FSW-210-280-0,008 | 210 | 225 | 280 | 3                 |
| 250                    | R12-10B1-FSW-310-380-0,008 | 310 | 325 | 380 | 3                 |
| 350                    | R12-10B1-FSW-410-480-0,008 | 410 | 425 | 480 | 3                 |
| 450                    | R12-10B1-FSW-510-580-0,008 | 510 | 525 | 580 | 3                 |

Jednostka: mm

## Szlifowane precyzyjnie

(średnica 14, skok gwintu 2)

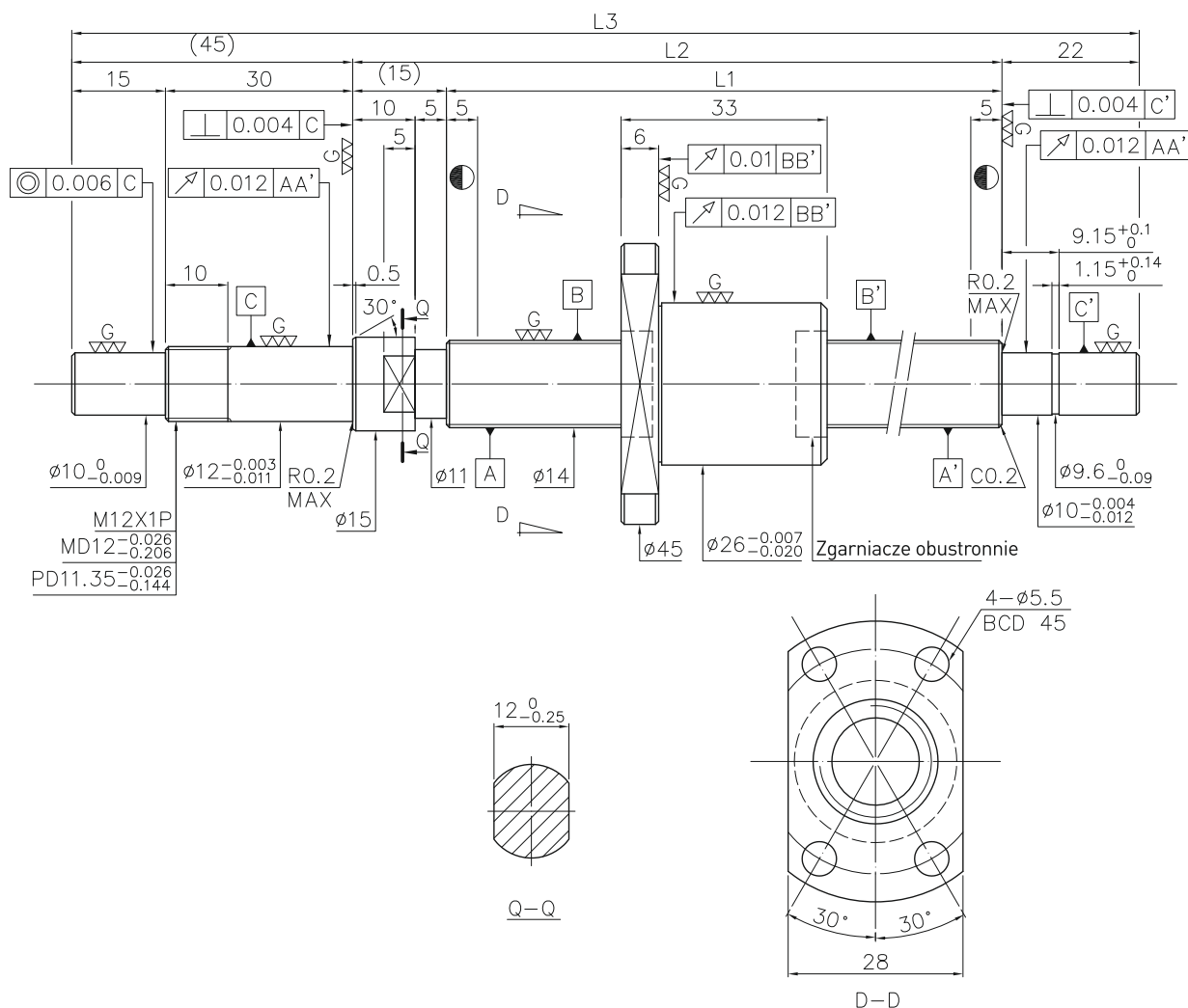


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2                  |           |
| Kąt wzniosu                     | 2,57°              |           |
| Średnica koła podziałowego [mm] | 14,2               |           |
| Średnica kulki [mm]             | Ø 1,5              |           |
| Obiegi                          | 1x3                |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 2360               | 2360      |
| Nośność statyczna Co [N]        | 5110               | 5110      |
| Moment obrotowy [Ncm]           | 0,5 ~ 5            | -         |
| Kulki rozdzielające             | -                  | -         |

Jednostka: mm

### Typ FSI

(średnica 14, skok gwintu 4)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 4                  |           |
| Kąt wzniosu                     | 5,11°              |           |
| Średnica koła podziałowego [mm] | 14,25              |           |
| Średnica kulki [mm]             | ø 2,381            |           |
| Obiegi                          | 1x3                |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 4030               | 4030      |
| Nośność statyczna Co [N]        | 7250               | 72050     |
| Moment obrotowy [Ncm]           | 1 ~ 7              | -         |
| Kulki rozdzielające             | -                  | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 50                     | R14-4T3-FSI-85-166-0,008  | 85  | 99  | 166 | 3                 |
| 100                    | R14-4T3-FSI-135-216-0,008 | 135 | 149 | 216 | 3                 |
| 150                    | R14-4T3-FSI-185-266-0,008 | 185 | 199 | 266 | 3                 |
| 200                    | R14-4T3-FSI-235-316-0,008 | 235 | 249 | 316 | 3                 |
| 300                    | R14-4T3-FSI-335-416-0,008 | 335 | 349 | 416 | 3                 |

Jednostka: mm

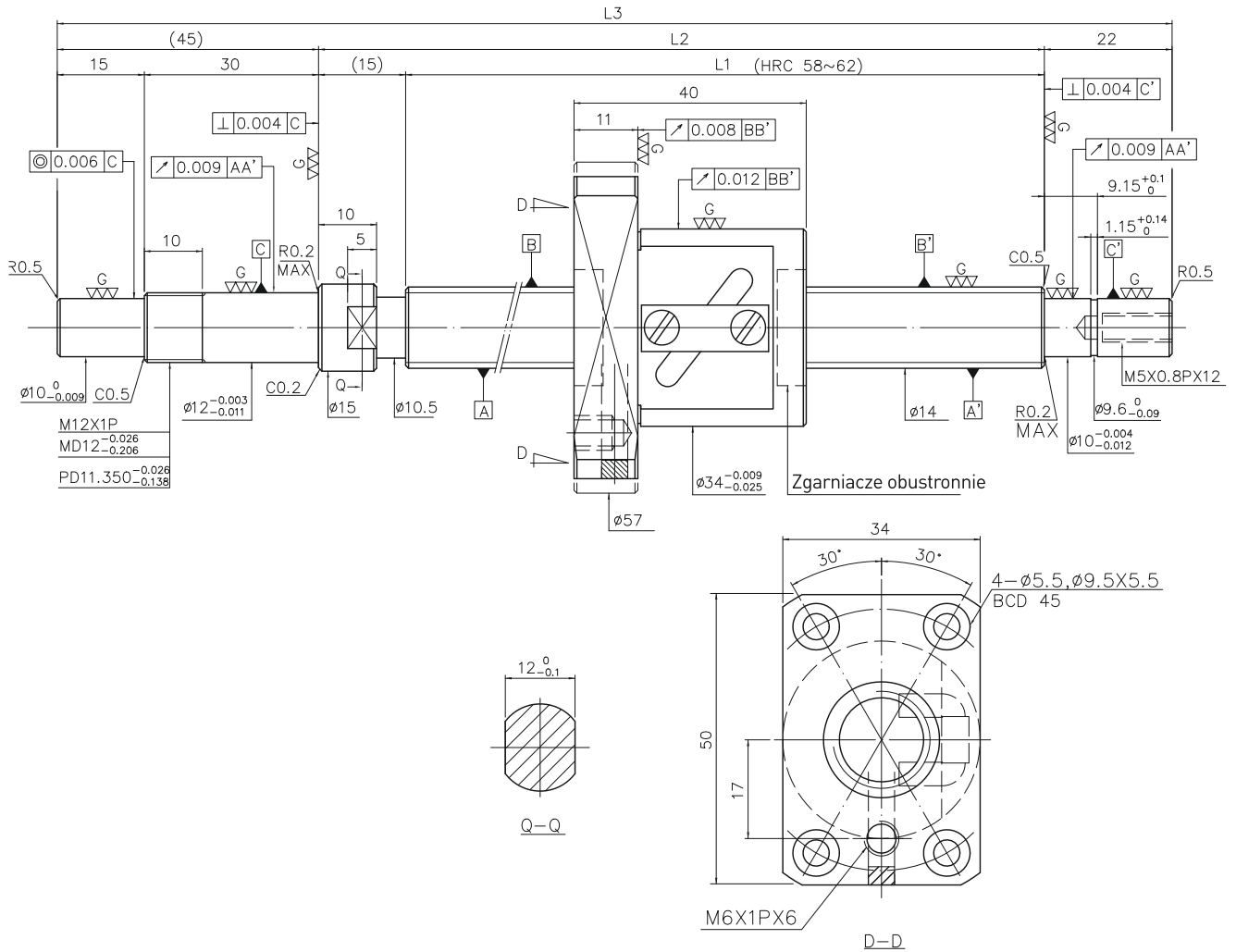


# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSW

(średnica 14, skok gwintu 5)



#### Parametry techniczne mechanizmu śrubowo-tocznego

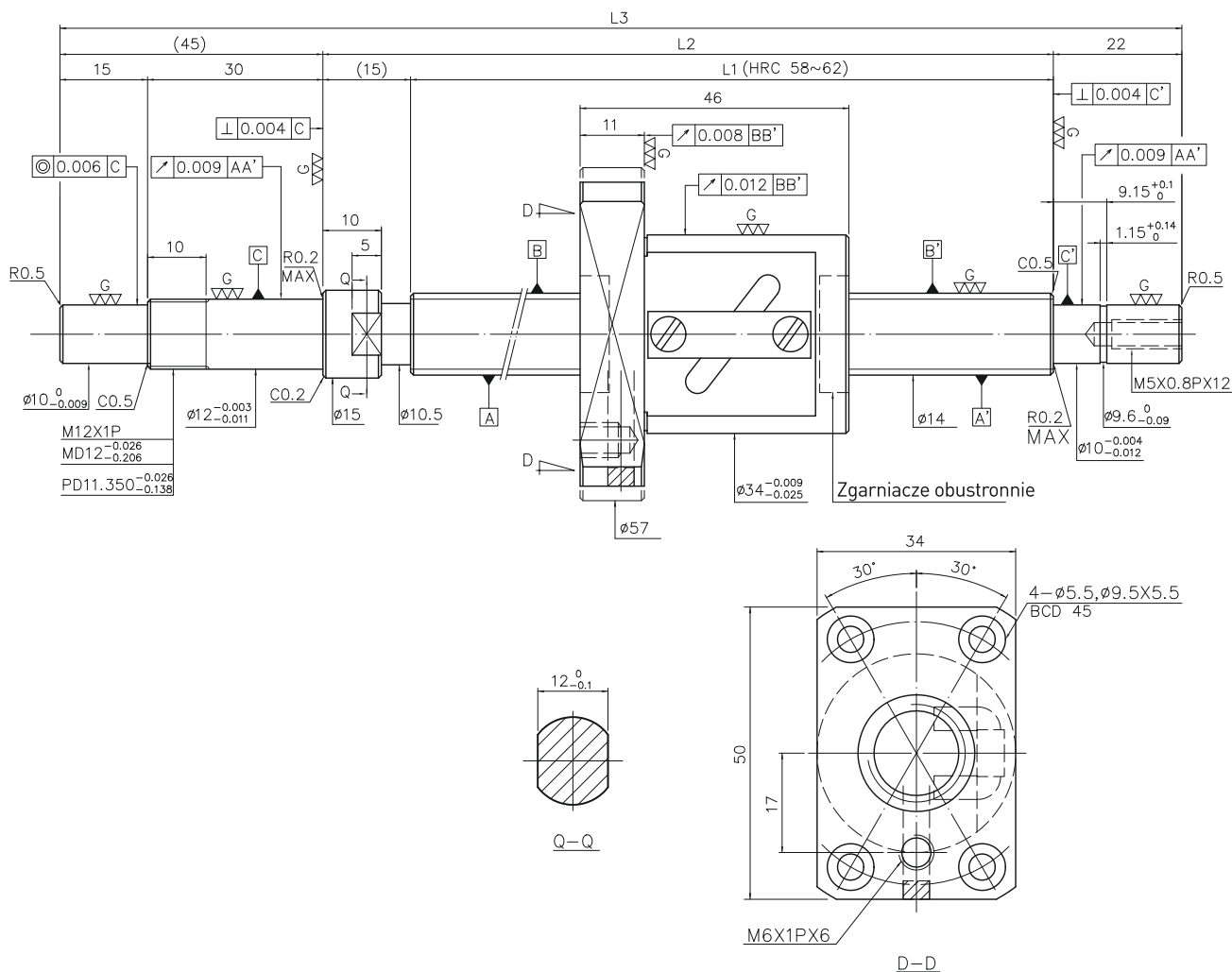
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 5                  |           |
| Kąt wzniosu                     | 6,22°              |           |
| Średnica koła podziałowego [mm] | 14,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 4480               | 7100      |
| Nośność statyczna Co [N]        | 6080               | 12150     |
| Moment obrotowy [Ncm]           | 1 ~ 7              | 2 MAX     |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 100                    | R14-5B1-FSW-189-271-0,008 | 189 | 204 | 271 | 3                 |
| 150                    | R14-5B1-FSW-239-321-0,008 | 239 | 254 | 321 | 3                 |
| 250                    | R14-5B1-FSW-339-421-0,008 | 339 | 354 | 421 | 3                 |
| 350                    | R14-5B1-FSW-439-521-0,008 | 439 | 454 | 521 | 3                 |
| 450                    | R14-5B1-FSW-539-621-0,008 | 539 | 554 | 621 | 3                 |
| 600                    | R14-5B1-FSW-689-771-0,008 | 689 | 704 | 771 | 3                 |

Jednostka: mm

### Typ FSW

(średnica 14, skok gwintu 8)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 8                  |           |
| Kąt wzniosu                     | 9,89°              |           |
| Średnica koła podziałowego [mm] | 14,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 4480               | 7100      |
| Nośność statyczna Co [N]        | 6080               | 12150     |
| Moment obrotowy [Ncm]           | 1 ~ 7              | 2,4 MAX   |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 100                    | R14-8B1-FSW-189-271-0,008 | 189 | 204 | 271 | 3                 |
| 150                    | R14-8B1-FSW-239-321-0,008 | 239 | 254 | 321 | 3                 |
| 200                    | R14-8B1-FSW-289-371-0,008 | 289 | 304 | 371 | 3                 |
| 250                    | R14-8B1-FSW-339-421-0,008 | 339 | 354 | 421 | 3                 |
| 300                    | R14-8B1-FSW-389-471-0,008 | 389 | 404 | 471 | 3                 |
| 350                    | R14-8B1-FSW-439-521-0,008 | 439 | 454 | 521 | 3                 |
| 400                    | R14-8B1-FSW-489-571-0,008 | 489 | 504 | 571 | 3                 |
| 450                    | R14-8B1-FSW-539-621-0,008 | 539 | 554 | 621 | 3                 |
| 500                    | R14-8B1-FSW-589-671-0,008 | 589 | 604 | 671 | 3                 |
| 550                    | R14-8B1-FSW-639-721-0,008 | 639 | 654 | 721 | 3                 |
| 600                    | R14-8B1-FSW-689-771-0,008 | 689 | 704 | 771 | 3                 |
| 700                    | R14-8B1-FSW-789-871-0,008 | 789 | 804 | 871 | 3                 |

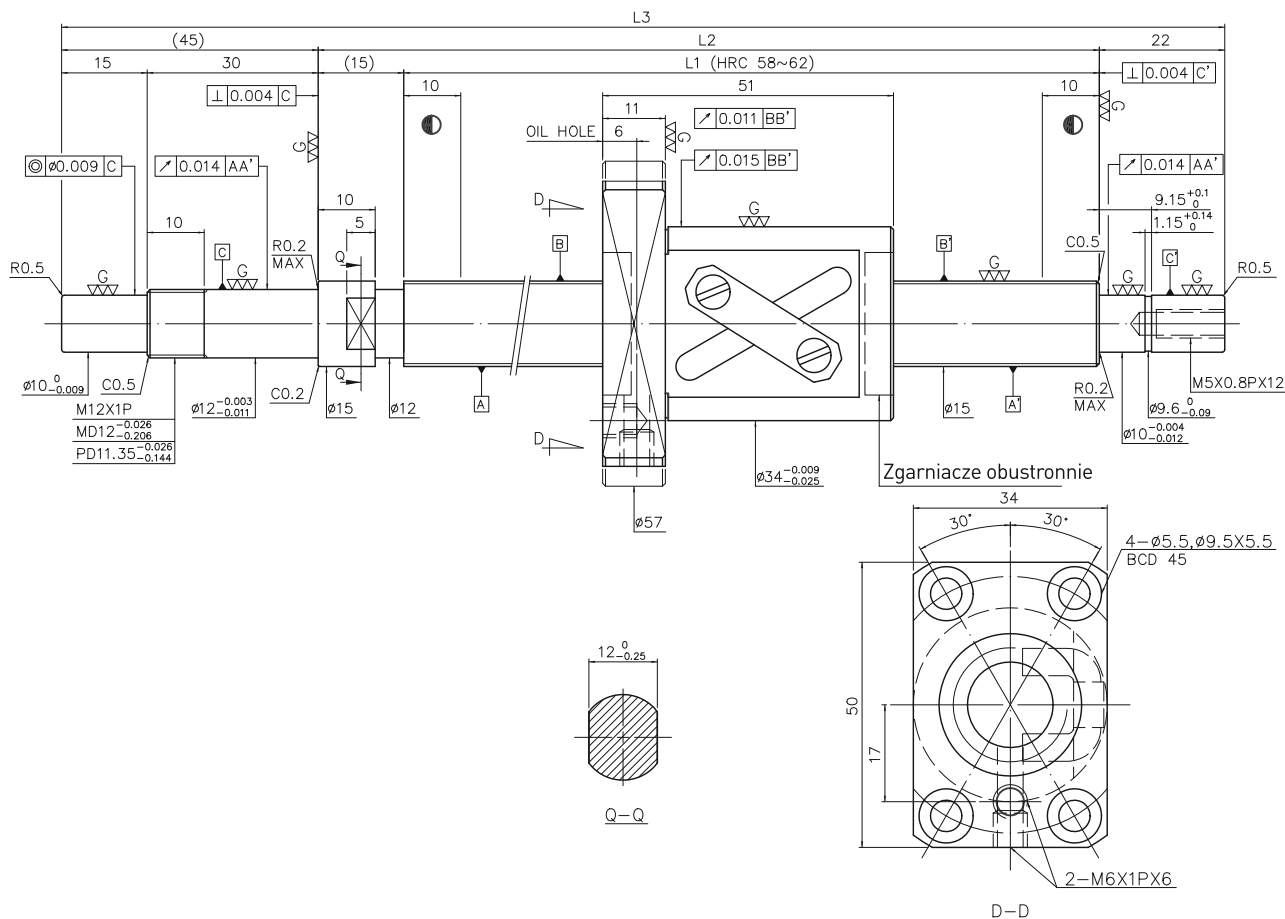
Jednostka: mm

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSW

[średnica 15, skok gwintu 10]

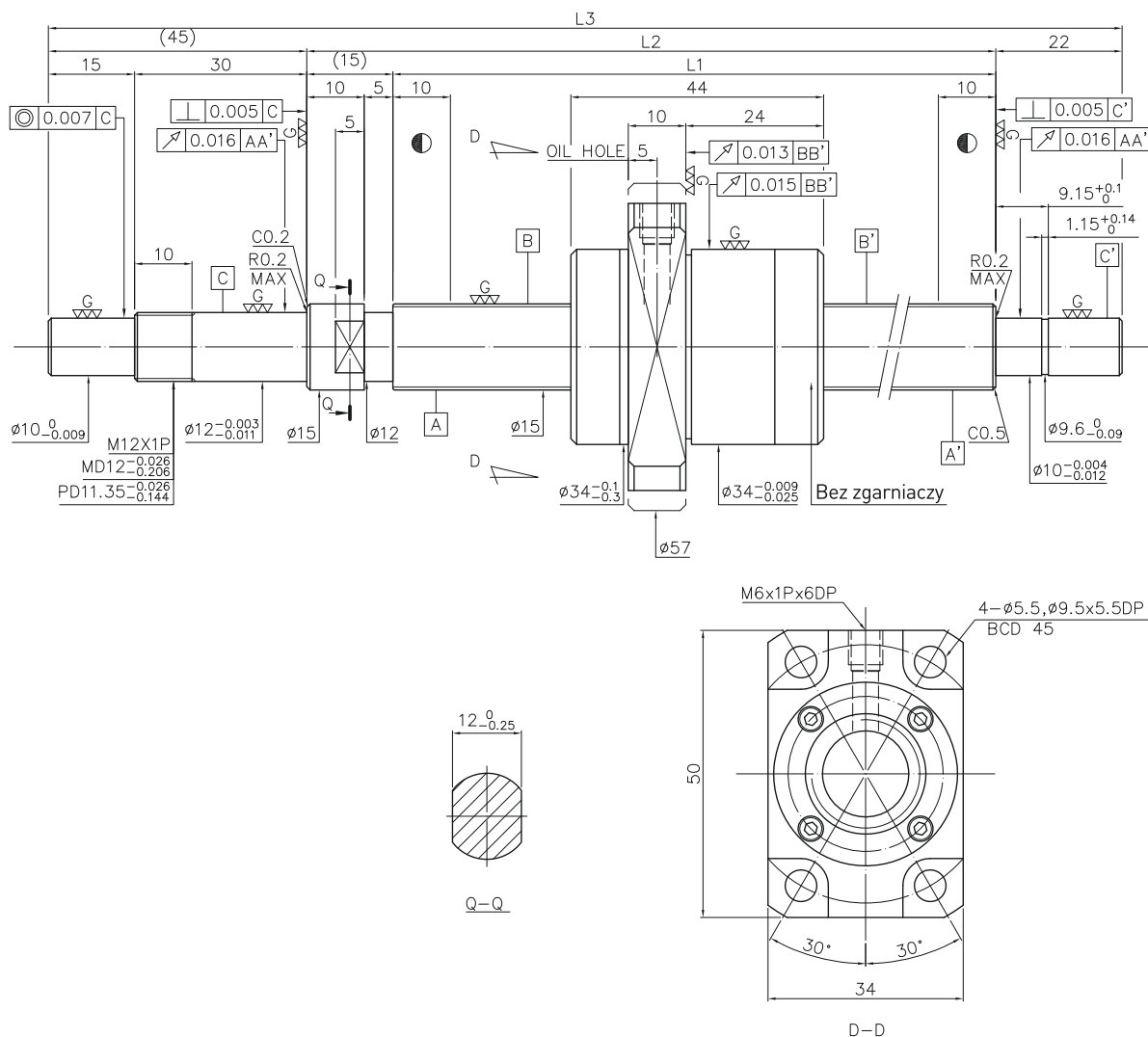


| Parametry techniczne mechanizmu śrubowo-tocznego |                    |           | Droga prze-mieszczenia |  | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|--------------------------------------------------|--------------------|-----------|------------------------|--|------------------------------|------|------|------|-------------------|
| Kierunek gwintu                                  | Gwint prawoskrętny |           | 100                    |  | R15-10B1-FSW-189-271-0,018   | 189  | 204  | 271  | 5                 |
| Skok gwintu [mm]                                 | 10                 |           | 150                    |  | R15-10B1-FSW-239-321-0,018   | 239  | 254  | 321  | 5                 |
| Kąt wzniosu                                      | 11,53°             |           | 200                    |  | R15-10B1-FSW-289-371-0,018   | 289  | 304  | 371  | 5                 |
| Średnica koła podziałowego [mm]                  | 15,6               |           | 250                    |  | R15-10B1-FSW-339-421-0,018   | 339  | 354  | 421  | 5                 |
| Średnica kulki [mm]                              | Ø 3,175            |           | 300                    |  | R15-10B1-FSW-389-471-0,018   | 389  | 404  | 471  | 5                 |
| Obiegi                                           | 2,5x1              |           | 350                    |  | R15-10B1-FSW-439-521-0,018   | 439  | 454  | 521  | 5                 |
| Luz osiowy [mm]                                  | 0                  | 0,005 MAX | 400                    |  | R15-10B1-FSW-489-571-0,018   | 489  | 504  | 571  | 5                 |
| Nośność dynamiczna C [N]                         | 4600               | 7290      | 450                    |  | R15-10B1-FSW-539-621-0,018   | 539  | 554  | 621  | 5                 |
| Nośność statyczna Co [N]                         | 6450               | 12900     | 500                    |  | R15-10B1-FSW-589-671-0,018   | 589  | 604  | 671  | 5                 |
| Moment obrotowy [Ncm]                            | 2 ~ 8              | 2,4 MAX   | 550                    |  | R15-10B1-FSW-639-721-0,018   | 639  | 654  | 721  | 5                 |
| Kulki rozdzielające                              | 1:1                | -         | 600                    |  | R15-10B1-FSW-689-771-0,018   | 689  | 704  | 771  | 5                 |
|                                                  |                    |           | 700                    |  | R15-10B1-FSW-789-871-0,018   | 789  | 804  | 871  | 5                 |
|                                                  |                    |           | 800                    |  | R15-10B1-FSW-889-971-0,018   | 889  | 904  | 971  | 5                 |
|                                                  |                    |           | 1000                   |  | R15-10B1-FSW-1089-1171-0,018 | 1089 | 1104 | 1171 | 5                 |

Jednostka: mm

### Typ FSH

(średnica 15, skok gwintu 10)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 10                 |           |
| Kąt wzniosu                     | 11,53°             |           |
| Średnica koła podziałowego [mm] | 15,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 2,8x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 7760               | 12310     |
| Nośność statyczna Co [N]        | 12440              | 24870     |
| Moment obrotowy [Ncm]           | 2 – 10             | -         |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa dokładności |
|------------------------|----------------------------|-----|-----|-----|-------------------|
| 150                    | R15-10U2-FSH-239-321-0,018 | 239 | 254 | 321 | 5                 |
| 200                    | R15-10U2-FSH-289-371-0,018 | 289 | 304 | 371 | 5                 |
| 250                    | R15-10U2-FSH-339-421-0,018 | 339 | 354 | 421 | 5                 |
| 300                    | R15-10U2-FSH-389-471-0,018 | 389 | 404 | 471 | 5                 |
| 350                    | R15-10U2-FSH-439-521-0,018 | 439 | 454 | 521 | 5                 |
| 400                    | R15-10U2-FSH-489-571-0,018 | 489 | 504 | 571 | 5                 |
| 450                    | R15-10U2-FSH-539-621-0,018 | 539 | 554 | 621 | 5                 |
| 500                    | R15-10U2-FSH-589-671-0,018 | 589 | 604 | 671 | 5                 |
| 550                    | R15-10U2-FSH-639-721-0,018 | 639 | 654 | 721 | 5                 |
| 600                    | R15-10U2-FSH-689-771-0,018 | 689 | 704 | 771 | 5                 |
| 700                    | R15-10U2-FSH-789-871-0,018 | 789 | 804 | 871 | 5                 |
| 800                    | R15-10U2-FSH-889-971-0,018 | 889 | 904 | 971 | 5                 |

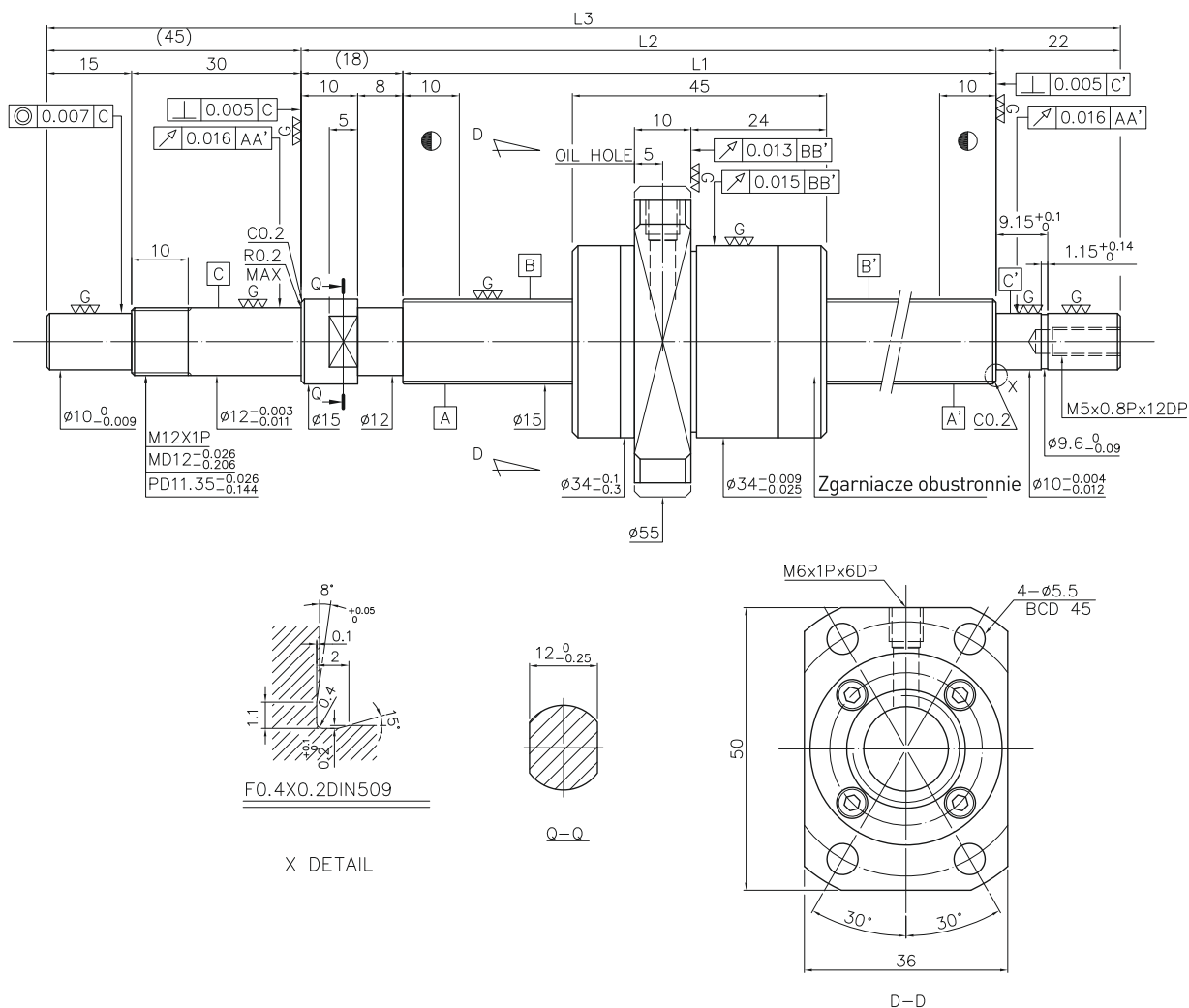
Jednostka: mm

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSH

(średnica 15, skok gwintu 20)



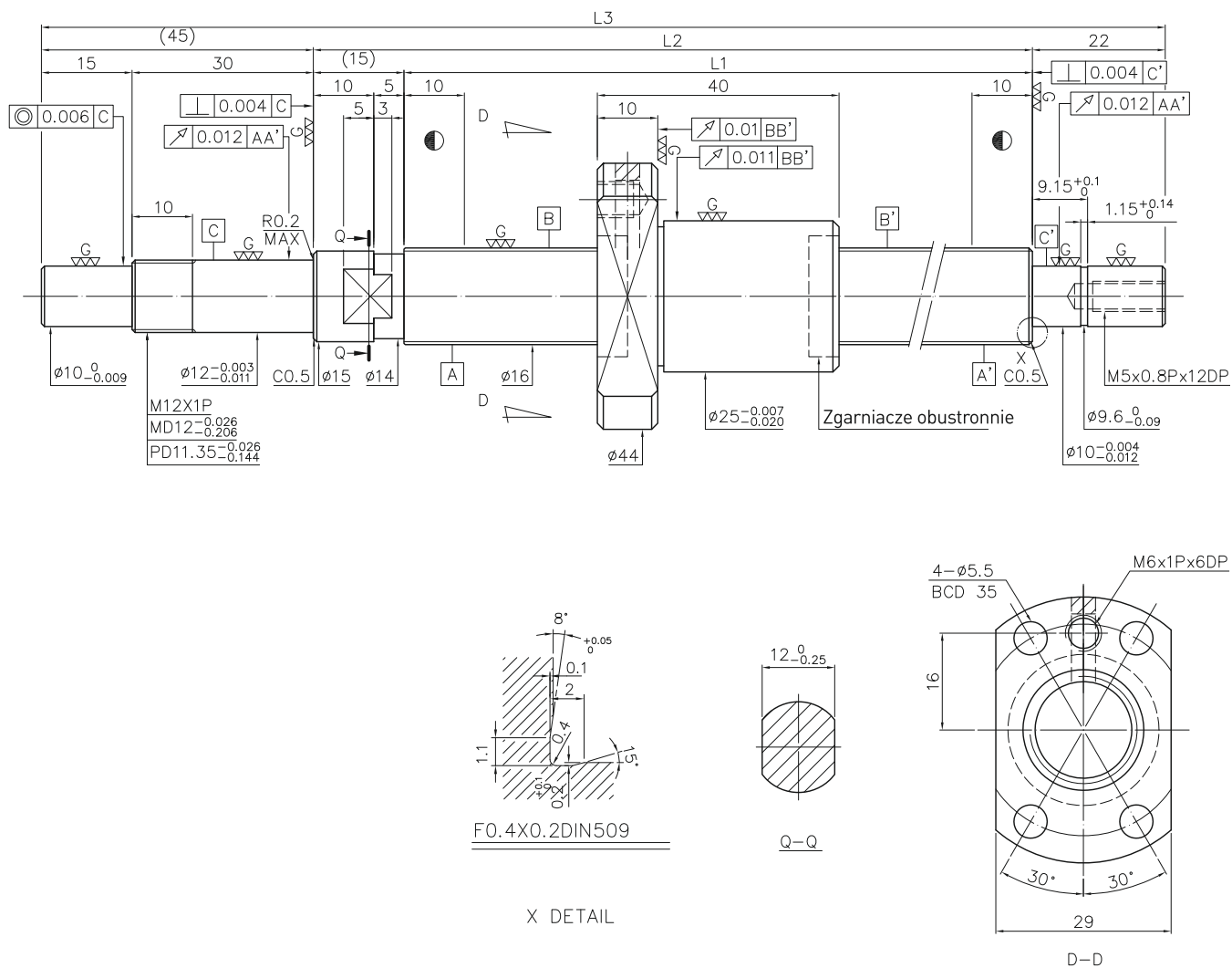
| Parametry techniczne mechanizmu śrubowo-tocznego |                    |           |
|--------------------------------------------------|--------------------|-----------|
| Kierunek gwintu                                  | Gwint prawoskrętny |           |
| Skok gwintu [mm]                                 | 20                 |           |
| Kąt wzniosu                                      | 22,2°              |           |
| Średnica koła podziałowego [mm]                  | 15,6               |           |
| Średnica kulki [mm]                              | Ø 3,175            |           |
| Obiegi                                           | 1,8x1              |           |
| Luz osiowy [mm]                                  | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]                         | 3420               | 5430      |
| Nośność statyczna Co [N]                         | 4590               | 9170      |
| Moment obrotowy [Ncm]                            | 1,5 ~ 8            | - 2,4     |
| Kulki rozdzielające                              | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 100                    | R15-20S1-FSH-186-271-0,018   | 186  | 204  | 271  | 5                 |
| 150                    | R15-20S1-FSH-236-321-0,018   | 236  | 254  | 321  | 5                 |
| 200                    | R15-20S1-FSH-286-371-0,018   | 286  | 304  | 371  | 5                 |
| 250                    | R15-20S1-FSH-336-421-0,018   | 336  | 354  | 421  | 5                 |
| 300                    | R15-20S1-FSH-386-471-0,018   | 386  | 404  | 471  | 5                 |
| 350                    | R15-20S1-FSH-436-521-0,018   | 436  | 454  | 521  | 5                 |
| 400                    | R15-20S1-FSH-486-571-0,018   | 486  | 504  | 571  | 5                 |
| 450                    | R15-20S1-FSH-536-621-0,018   | 536  | 554  | 621  | 5                 |
| 500                    | R15-20S1-FSH-586-671-0,018   | 586  | 604  | 671  | 5                 |
| 550                    | R15-20S1-FSH-636-721-0,018   | 636  | 654  | 721  | 5                 |
| 600                    | R15-20S1-FSH-686-771-0,018   | 686  | 704  | 771  | 5                 |
| 700                    | R15-20S1-FSH-786-871-0,018   | 786  | 804  | 871  | 5                 |
| 800                    | R15-20S1-FSH-886-971-0,018   | 886  | 904  | 971  | 5                 |
| 1000                   | R15-20S1-FSH-1086-1171-0,018 | 1086 | 1104 | 1171 | 5                 |

Jednostka: mm

### Typ FSI

(średnica 16, skok gwintu 2)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 2                  |           |
| Kąt wzniosu                     | 2,25°              |           |
| Średnica koła podziałowego [mm] | 16,2               |           |
| Średnica kulki [mm]             | Ø 1,5              |           |
| Obiegi                          | 1*4                |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 3230               | 3230      |
| Nośność statyczna Co [N]        | 7900               | 7900      |
| Moment obrotowy [Ncm]           | 0,5 ~ 5            | ~1,5      |
| Kulki rozdzielające             | -                  | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 50                     | R16-2T4-FSI-139-221-0,008 | 139 | 154 | 221 | 3                 |
| 100                    | R16-2T4-FSI-189-271-0,008 | 189 | 204 | 271 | 3                 |
| 150                    | R16-2T4-FSI-239-321-0,008 | 239 | 254 | 321 | 3                 |
| 200                    | R16-2T4-FSI-289-371-0,008 | 289 | 304 | 371 | 3                 |
| 300                    | R16-2T4-FSI-389-471-0,008 | 389 | 404 | 471 | 3                 |

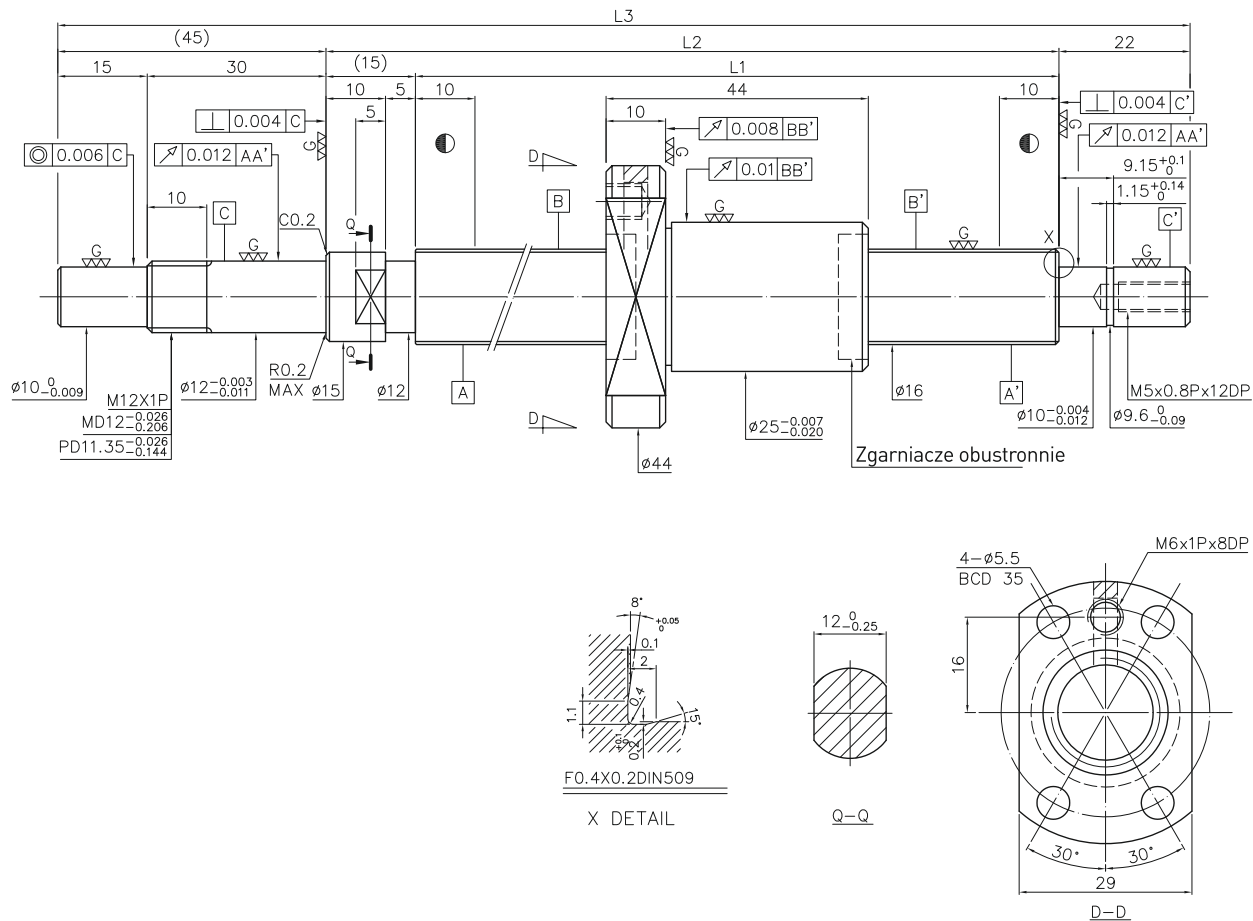
Jednostka: mm

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSI

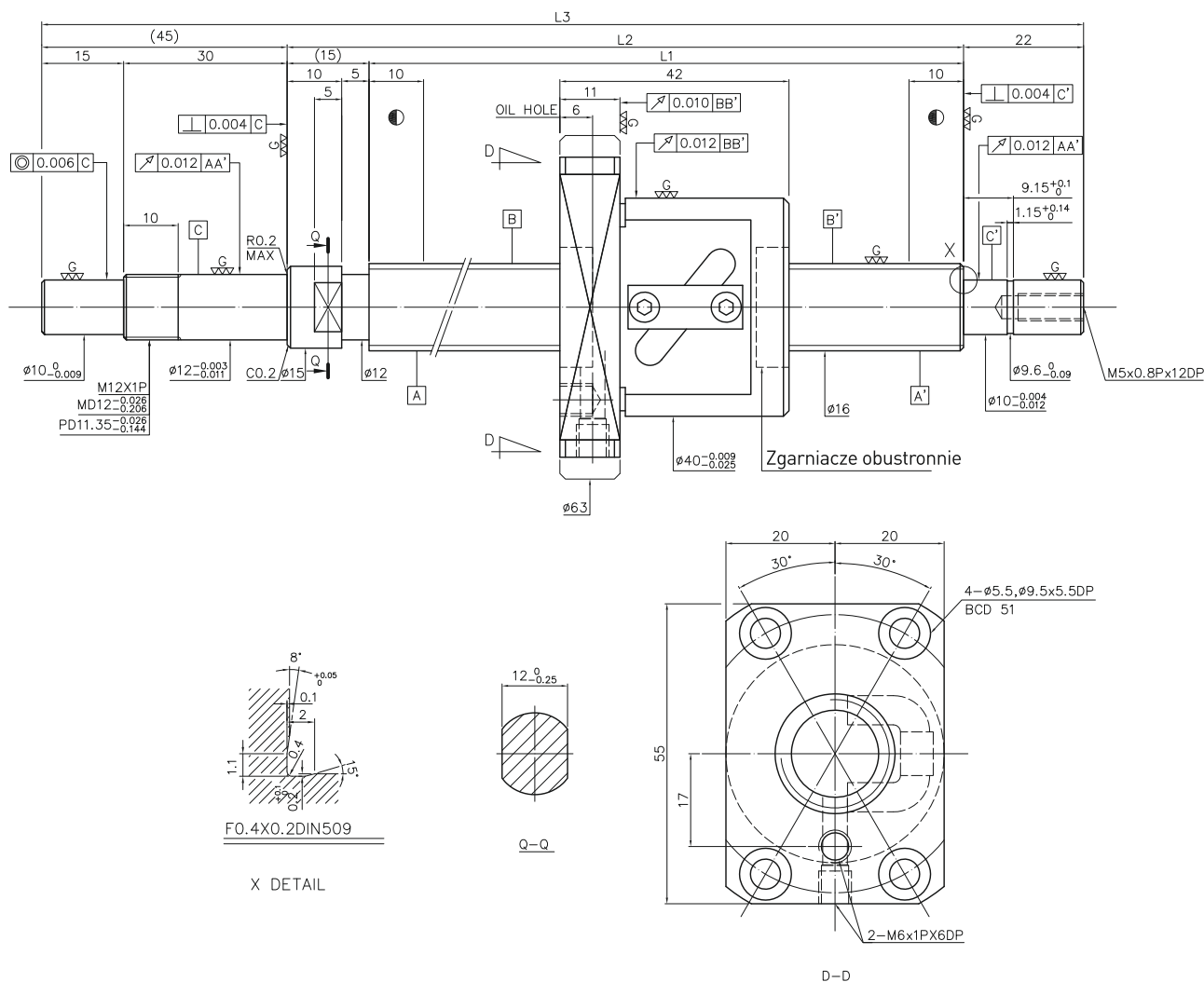
(średnica 16, skok gwintu 2.5)



| Parametry techniczne mechanizmu śrubowo-tocznego |                    |           | Droga prze-<br>mieszczenia |                             |     |     |                      |   |
|--------------------------------------------------|--------------------|-----------|----------------------------|-----------------------------|-----|-----|----------------------|---|
|                                                  |                    |           | Oznaczenie HIWIN           | L1                          | L2  | L3  | Klasa<br>dokładności |   |
| Kierunek gwintu                                  | Gwint prawoskrętny |           | 50                         | R16-2,5T4-FSI-139-221-0,008 | 139 | 154 | 221                  | 3 |
| Skok gwintu [mm]                                 | 2,5                |           | 100                        | R16-2,5T4-FSI-189-271-0,008 | 189 | 204 | 271                  | 3 |
| Kąt wzniosu                                      | 2,81°              |           | 150                        | R16-2,5T4-FSI-239-321-0,008 | 239 | 254 | 321                  | 3 |
| Średnica koła podziałowego [mm]                  | 16,2               |           | 200                        | R16-2,5T4-FSI-289-371-0,008 | 289 | 304 | 371                  | 3 |
| Średnica kulki [mm]                              | Ø 1,5              |           | 300                        | R16-2,5T4-FSI-389-471-0,008 | 389 | 404 | 471                  | 3 |
| Obiegi                                           | 1x4                |           | Jednostka: mm              |                             |     |     |                      |   |
| Luz osiowy [mm]                                  | 0                  | 0,005 MAX |                            |                             |     |     |                      |   |
| Nośność dynamiczna C [N]                         | 3230               | 3230      |                            |                             |     |     |                      |   |
| Nośność statyczna Co [N]                         | 7900               | 7900      |                            |                             |     |     |                      |   |
| Moment obrotowy [Ncm]                            | 0,5 ~ 5            | - 1,5     |                            |                             |     |     |                      |   |
| Kulki rozdzielające                              | -                  | -         |                            |                             |     |     |                      |   |

### Typ FSW

(średnica 16, skok gwintu 5)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 5                  |           |
| Kąt wzniosu                     | 5,48°              |           |
| Średnica koła podziałowego [mm] | 16,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 4810               | 7630      |
| Nośność statyczna Co [N]        | 6700               | 13990     |
| Moment obrotowy [Ncm]           | 1,5 ~ 8            | - 2 MAX   |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 100                    | R16-5B1-FSW-189-271-0,018 | 189 | 204 | 271 | 5                 |
| 200                    | R16-5B1-FSW-289-371-0,018 | 289 | 304 | 371 | 5                 |
| 300                    | R16-5B1-FSW-389-471-0,018 | 389 | 404 | 471 | 5                 |
| 400                    | R16-5B1-FSW-489-571-0,018 | 489 | 504 | 571 | 5                 |
| 600                    | R16-5B1-FSW-689-771-0,018 | 689 | 704 | 771 | 5                 |
| 800                    | R16-5B1-FSW-889-971-0,018 | 889 | 904 | 971 | 5                 |

Jednostka: mm

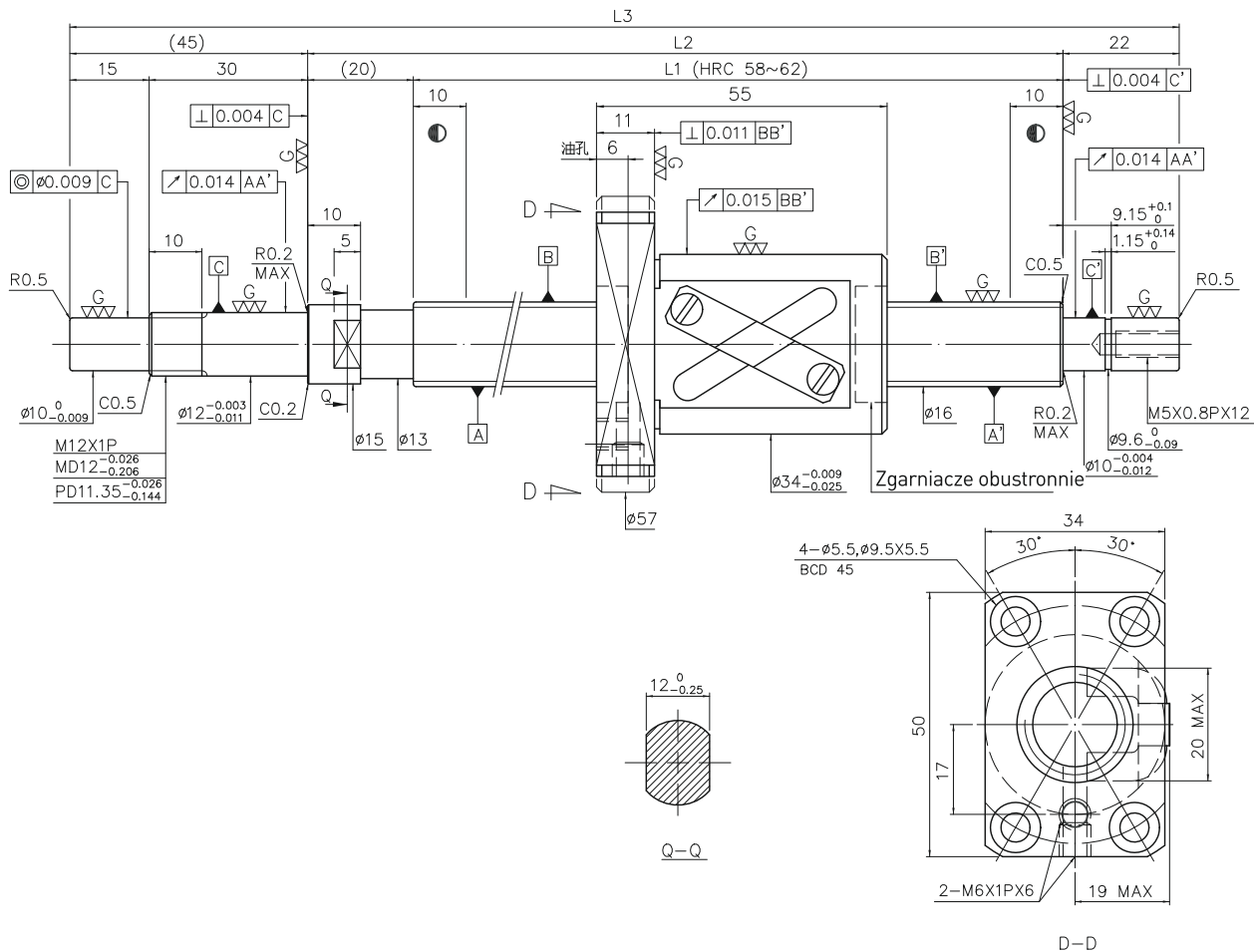


# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ FSV

(średnica 16, skok gwintu 16)



#### Parametry techniczne mechanizmu śrubowo-tocznego

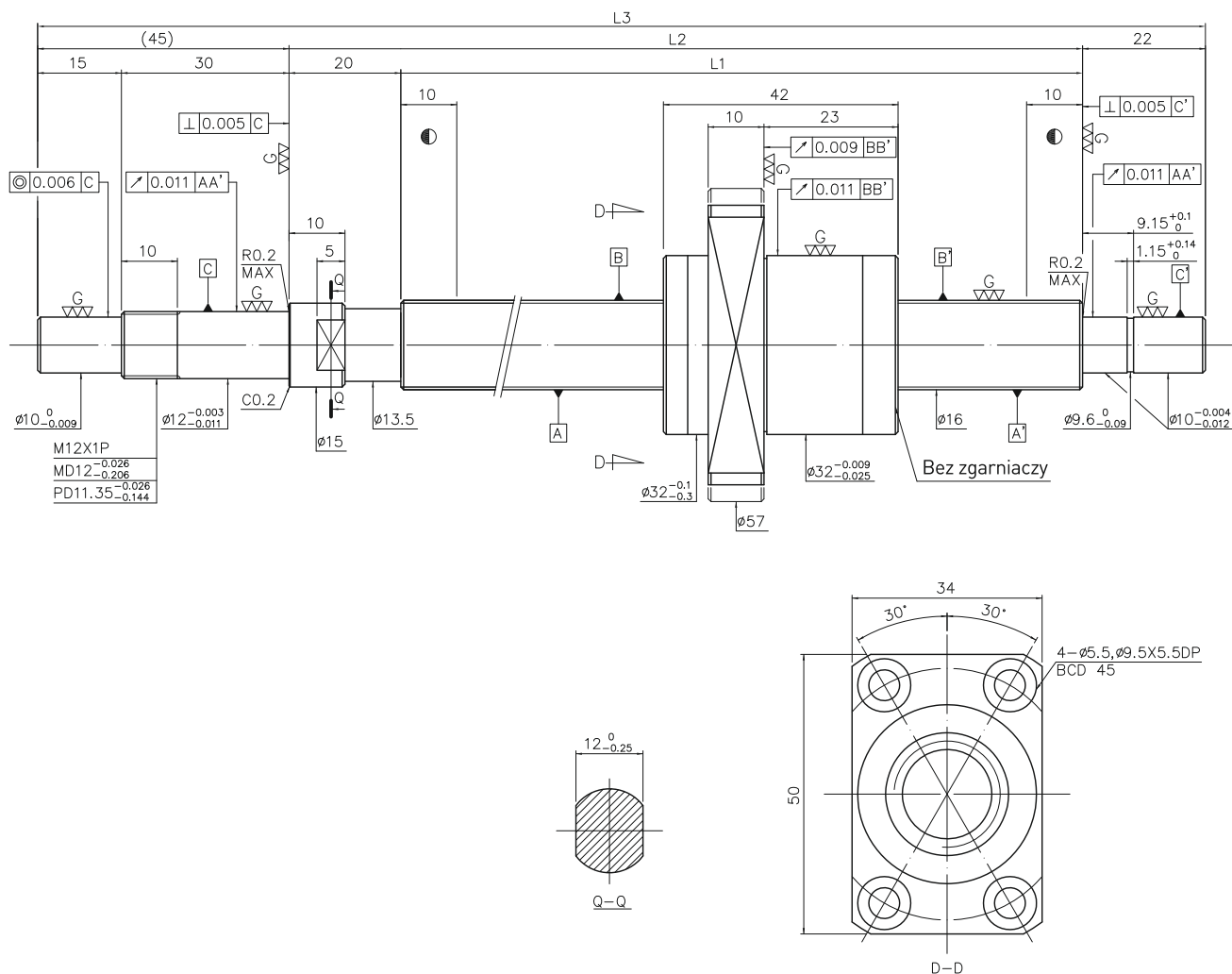
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 16                 |           |
| Kąt wzniosu                     | 17,05°             |           |
| Średnica koła podziałowego [mm] | 16,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 1,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 3040               | 4810      |
| Nośność statyczna Co [N]        | 4100               | 8190      |
| Moment obrotowy [Ncm]           | 2~8                | 2,4 MAX   |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 100                    | R16-16A1-FSV-184-271-0,018   | 184  | 204  | 271  | 5                 |
| 150                    | R16-16A1-FSV-234-321-0,018   | 234  | 254  | 321  | 5                 |
| 200                    | R16-16A1-FSV-284-371-0,018   | 284  | 304  | 371  | 5                 |
| 250                    | R16-16A1-FSV-334-421-0,018   | 334  | 354  | 421  | 5                 |
| 300                    | R16-16A1-FSV-384-471-0,018   | 384  | 404  | 471  | 5                 |
| 350                    | R16-16A1-FSV-434-521-0,018   | 434  | 454  | 521  | 5                 |
| 400                    | R16-16A1-FSV-484-571-0,018   | 484  | 504  | 571  | 5                 |
| 450                    | R16-16A1-FSV-534-621-0,018   | 534  | 554  | 621  | 5                 |
| 500                    | R16-16A1-FSV-584-671-0,018   | 584  | 604  | 671  | 5                 |
| 550                    | R16-16A1-FSV-634-721-0,018   | 634  | 654  | 721  | 5                 |
| 600                    | R16-16A1-FSV-684-771-0,018   | 684  | 704  | 771  | 5                 |
| 700                    | R16-16A1-FSV-784-871-0,018   | 784  | 804  | 871  | 5                 |
| 800                    | R16-16A1-FSV-884-971-0,018   | 884  | 904  | 971  | 5                 |
| 1000                   | R16-16A1-FSV-1084-1171-0,018 | 1084 | 1104 | 1171 | 5                 |

Jednostka: mm

### Typ FSH

[średnica 16, skok gwintu 16]



#### Parametry techniczne mechanizmu śrubowo-tocznego

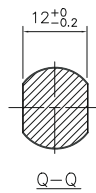
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 16                 |           |
| Kąt wzniosu                     | 17,06°             |           |
| Średnica koła podziałowego [mm] | 16,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 1,8x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 5440               | 8630      |
| Nośność statyczna Co [N]        | 8430               | 16850     |
| Moment obrotowy [Ncm]           | 2 ~ 10             | -         |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN           | L1  | L2  | L3  | Klasa dokładności |
|------------------------|----------------------------|-----|-----|-----|-------------------|
| 150                    | R16-16S2-FSH-234-321-0,018 | 234 | 254 | 321 | 5                 |
| 200                    | R16-16S2-FSH-284-371-0,018 | 284 | 304 | 371 | 5                 |
| 250                    | R16-16S2-FSH-334-421-0,018 | 334 | 354 | 421 | 5                 |
| 300                    | R16-16S2-FSH-384-471-0,018 | 384 | 404 | 471 | 5                 |
| 350                    | R16-16S2-FSH-434-521-0,018 | 434 | 454 | 521 | 5                 |
| 400                    | R16-16S2-FSH-484-571-0,018 | 484 | 504 | 571 | 5                 |
| 450                    | R16-16S2-FSH-534-621-0,018 | 534 | 554 | 621 | 5                 |
| 500                    | R16-16S2-FSH-584-671-0,018 | 584 | 604 | 671 | 5                 |
| 550                    | R16-16S2-FSH-634-721-0,018 | 634 | 654 | 721 | 5                 |
| 600                    | R16-16S2-FSH-684-771-0,018 | 684 | 704 | 771 | 5                 |
| 700                    | R16-16S2-FSH-784-871-0,018 | 784 | 804 | 871 | 5                 |
| 800                    | R16-16S2-FSH-884-971-0,018 | 884 | 904 | 971 | 5                 |

Jednostka: mm

## Szlifowane precyzyjnie

(średnica 16, skok gwintu 32)

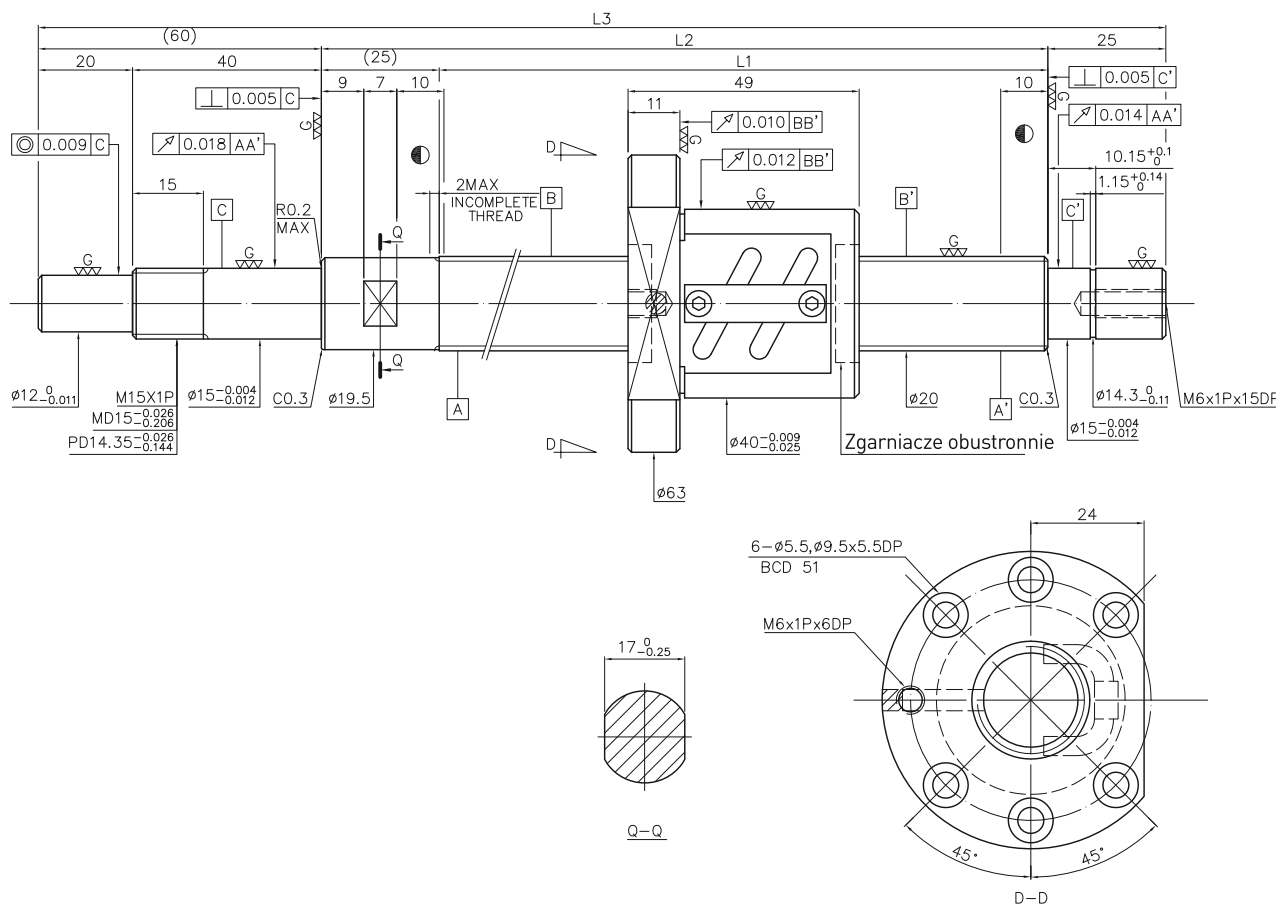


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 32                 |           |
| Kąt wzniosu                     | 31,53°             |           |
| Średnica koła podziałowego [mm] | 16,6               |           |
| Średnica kulki [mm]             | Ø 3,175            |           |
| Obiegi                          | 0,7x2              |           |
| Nośność dynamiczna C [N]        | 4320               |           |
| Nośność statyczna Co [N]        | 7550               |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Moment obrotowy [Ncm]           | 0,5 ~ 10           | 2,4 MAX   |
| Kulki rozdzielające             | -                  | -         |

Jednostka: mm

### Typ FSW

(średnica 20, skok gwintu 4)



#### Parametry techniczne mechanizmu śrubowo-tocznego

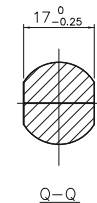
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 4                  |           |
| Kąt wzniosu                     | 3,6°               |           |
| Średnica koła podziałowego [mm] | 20,25              |           |
| Średnica kulki [mm]             | Ø 2,381            |           |
| Obiegi                          | 2,5x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 5610               | 8898      |
| Nośność statyczna Co [N]        | 10850              | 17208     |
| Moment obrotowy [Ncm]           | 1,2 - 6,8          | 2,5 MAX   |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN          | L1  | L2  | L3  | Klasa dokładności |
|------------------------|---------------------------|-----|-----|-----|-------------------|
| 150                    | R20-4B2-FSW-225-335-0,018 | 225 | 250 | 335 | 5                 |
| 200                    | R20-4B2-FSW-275-385-0,018 | 275 | 300 | 385 | 5                 |
| 300                    | R20-4B2-FSW-375-485-0,018 | 375 | 400 | 485 | 5                 |
| 400                    | R20-4B2-FSW-475-585-0,018 | 475 | 500 | 585 | 5                 |
| 500                    | R20-4B2-FSW-575-685-0,018 | 575 | 600 | 685 | 5                 |
| 600                    | R20-4B2-FSW-675-785-0,018 | 675 | 700 | 785 | 5                 |

Jednostka: mm

## Szlifowane precyzyjnie

(średnica 20, skok gwintu 10)



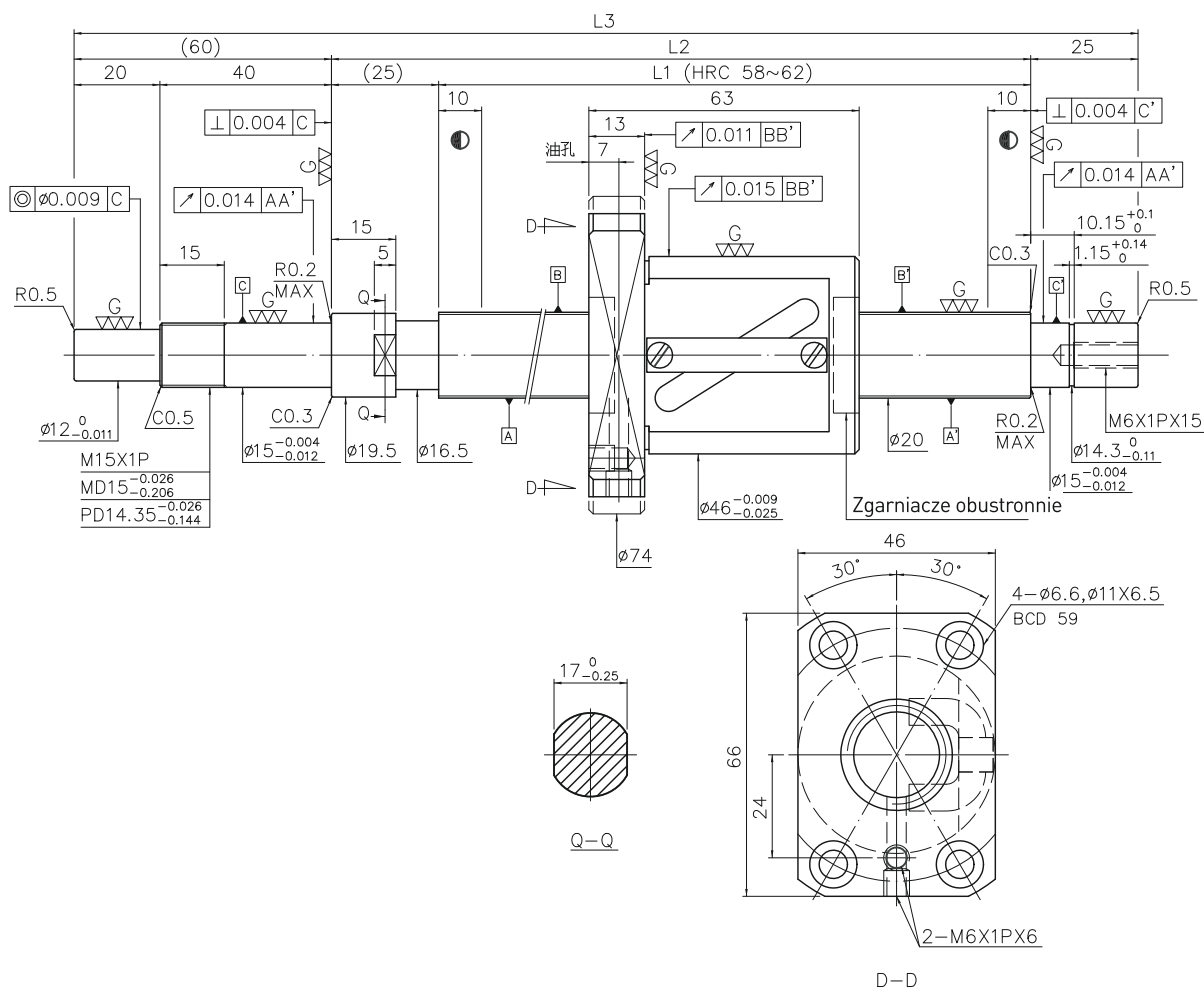
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 10                 |           |
| Kąt wzniosu                     | 8,7°               |           |
| Średnica koła podziałowego [mm] | 20,8               |           |
| Średnica kulki [mm]             | Ø 3,969            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 7180               | 11390     |
| Nośność statyczna Co [N]        | 10940              | 21870     |
| Moment obrotowy [Ncm]           | 2 ~ 12             | 3 MAX     |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-<br>mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa<br>dokładności |
|----------------------------|------------------------------|------|------|------|----------------------|
| 200                        | R20-10B1-FSW-289-399-0,018   | 289  | 314  | 399  | 5                    |
| 300                        | R20-10B1-FSW-389-499-0,018   | 389  | 414  | 499  | 5                    |
| 400                        | R20-10B1-FSW-489-599-0,018   | 489  | 514  | 599  | 5                    |
| 500                        | R20-10B1-FSW-589-699-0,018   | 589  | 614  | 699  | 5                    |
| 600                        | R20-10B1-FSW-689-799-0,018   | 689  | 714  | 799  | 5                    |
| 700                        | R20-10B1-FSW-789-899-0,018   | 789  | 814  | 899  | 5                    |
| 800                        | R20-10B1-FSW-889-999-0,018   | 889  | 914  | 999  | 5                    |
| 900                        | R20-10B1-FSW-989-1099-0,018  | 989  | 1014 | 1099 | 5                    |
| 1000                       | R20-10B1-FSW-1089-1199-0,018 | 1089 | 1114 | 1199 | 5                    |
| 1100                       | R20-10B1-FSW-1189-1299-0,018 | 1189 | 1214 | 1299 | 5                    |
| 1200                       | R20-10B1-FSW-1289-1399-0,018 | 1289 | 1314 | 1399 | 5                    |

98

### Typ FSW

(średnica 20, skok gwintu 20)



#### Parametry techniczne mechanizmu śrubowo-tocznego

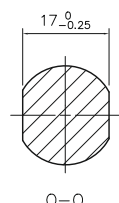
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 20                 |           |
| Kąt wzniosu                     | 17,01°             |           |
| Średnica koła podziałowego [mm] | 20,8               |           |
| Średnica kulki [mm]             | Ø 3,969            |           |
| Obiegi                          | 1,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 4530               | 7190      |
| Nośność statyczna Co [N]        | 6410               | 12800     |
| Moment obrotowy [Ncm]           | 2 – 12             | 3 MAX     |
| Kulki rozdzielające             | 1:1                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 200                    | R20-20A1-FSW-310-420-0,018   | 310  | 335  | 420  | 5                 |
| 300                    | R20-20A1-FSW-410-520-0,018   | 410  | 435  | 520  | 5                 |
| 400                    | R20-20A1-FSW-510-620-0,018   | 510  | 535  | 620  | 5                 |
| 500                    | R20-20A1-FSW-610-720-0,018   | 610  | 635  | 720  | 5                 |
| 600                    | R20-20A1-FSW-710-820-0,018   | 710  | 735  | 820  | 5                 |
| 700                    | R20-20A1-FSW-810-920-0,018   | 810  | 835  | 920  | 5                 |
| 800                    | R20-20A1-FSW-910-1020-0,018  | 910  | 935  | 1020 | 5                 |
| 900                    | R20-20A1-FSW-1010-1120-0,018 | 1010 | 1035 | 1120 | 5                 |
| 1000                   | R20-20A1-FSW-1110-1220-0,018 | 1110 | 1135 | 1220 | 5                 |
| 1100                   | R20-20A1-FSW-1210-1320-0,018 | 1210 | 1235 | 1320 | 5                 |
| 1200                   | R20-20A1-FSW-1510-1620-0,018 | 1510 | 1535 | 1620 | 5                 |

Jednostka: mm



(średnica 20, skok gwintu 40)

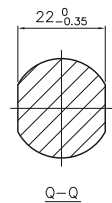


Jednostka: mm



## Szlifowane precyzyjnie

(średnica 25, skok gwintu 4)

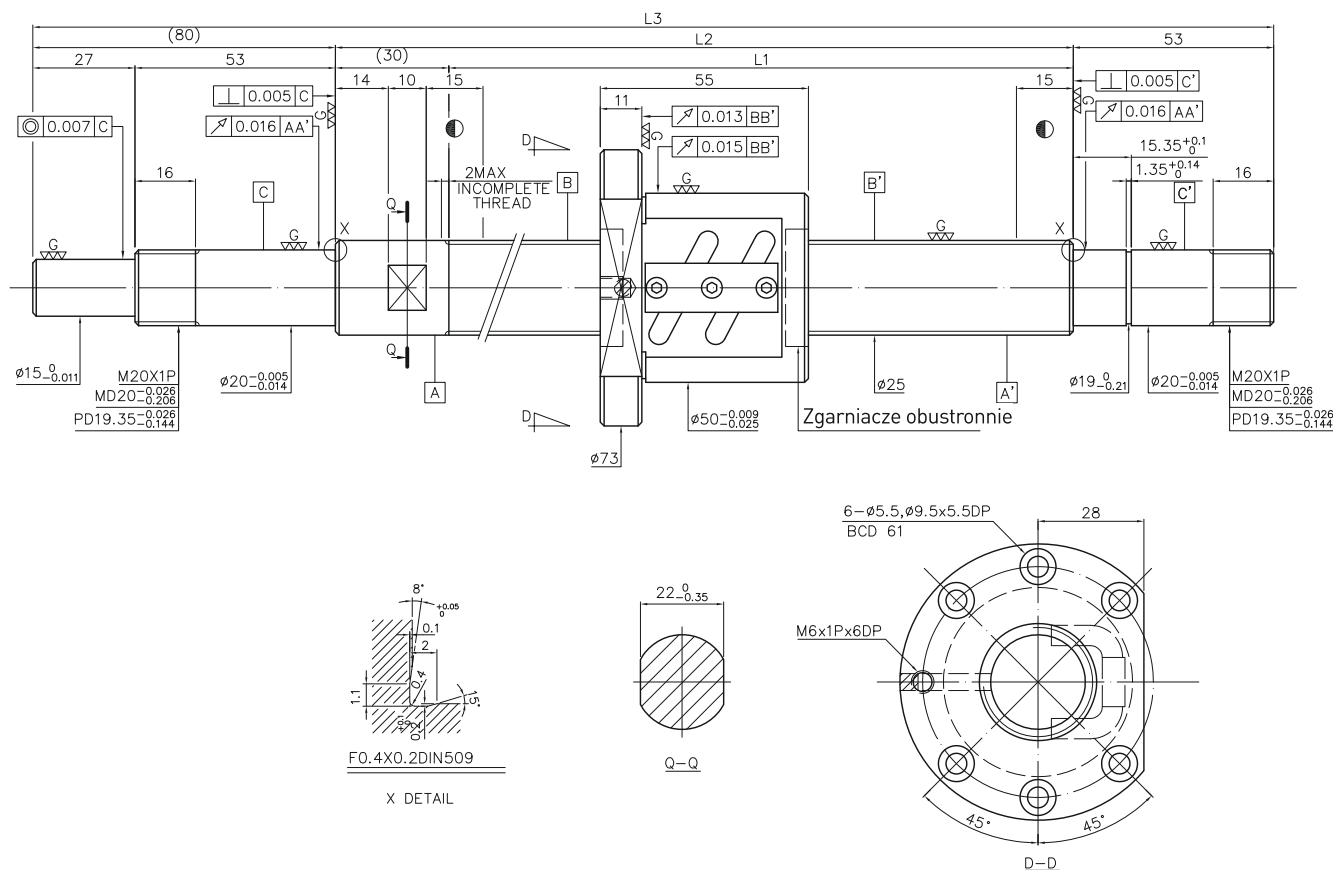


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 4                  |           |
| Kąt wzniosu                     | 2,89°              |           |
| Średnica koła podziałowego [mm] | 25,25              |           |
| Średnica kulki [mm]             | Ø 2,381            |           |
| Obiegi                          | 2,5x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 6220               | 9865      |
| Nośność statyczna Co [N]        | 13760              | 21823     |
| Moment obrotowy [Ncm]           | 1,5 ~ 8,5          | 3 MAX     |
| Kulki rozdzielające             | Tak                | -         |

Jednostka: mm

### Typ FSW

(średnica 25, skok gwintu 5)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 5                  |           |
| Kąt wzniosu                     | 3,56°              |           |
| Średnica koła podziałowego [mm] | 25,6               |           |
| Średnica kulki [mm]             | ø 3,175            |           |
| Obiegi                          | 2,5x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 10730              | 17040     |
| Nośność statyczna Co [N]        | 22090              | 44170     |
| Moment obrotowy [Ncm]           | 3,6 ~ 14,4         | 5 MAX     |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN            | L1   | L2   | L3   | Klasa dokładności |
|------------------------|-----------------------------|------|------|------|-------------------|
| 150                    | R25-5B2-FSW-220-349-0,018   | 220  | 250  | 349  | 5                 |
| 200                    | R25-5B2-FSW-270-399-0,018   | 270  | 300  | 399  | 5                 |
| 300                    | R25-5B2-FSW-370-499-0,018   | 370  | 400  | 499  | 5                 |
| 400                    | R25-5B2-FSW-470-599-0,018   | 470  | 500  | 599  | 5                 |
| 500                    | R25-5B2-FSW-570-733-0,018   | 570  | 600  | 733  | 5                 |
| 600                    | R25-5B2-FSW-670-833-0,018   | 670  | 700  | 833  | 5                 |
| 700                    | R25-5B2-FSW-770-933-0,018   | 770  | 800  | 933  | 5                 |
| 900                    | R25-5B2-FSW-970-1133-0,018  | 970  | 1000 | 1133 | 5                 |
| 1000                   | R25-5B2-FSW-1170-1333-0,018 | 1170 | 1200 | 1333 | 5                 |

Jednostka: mm

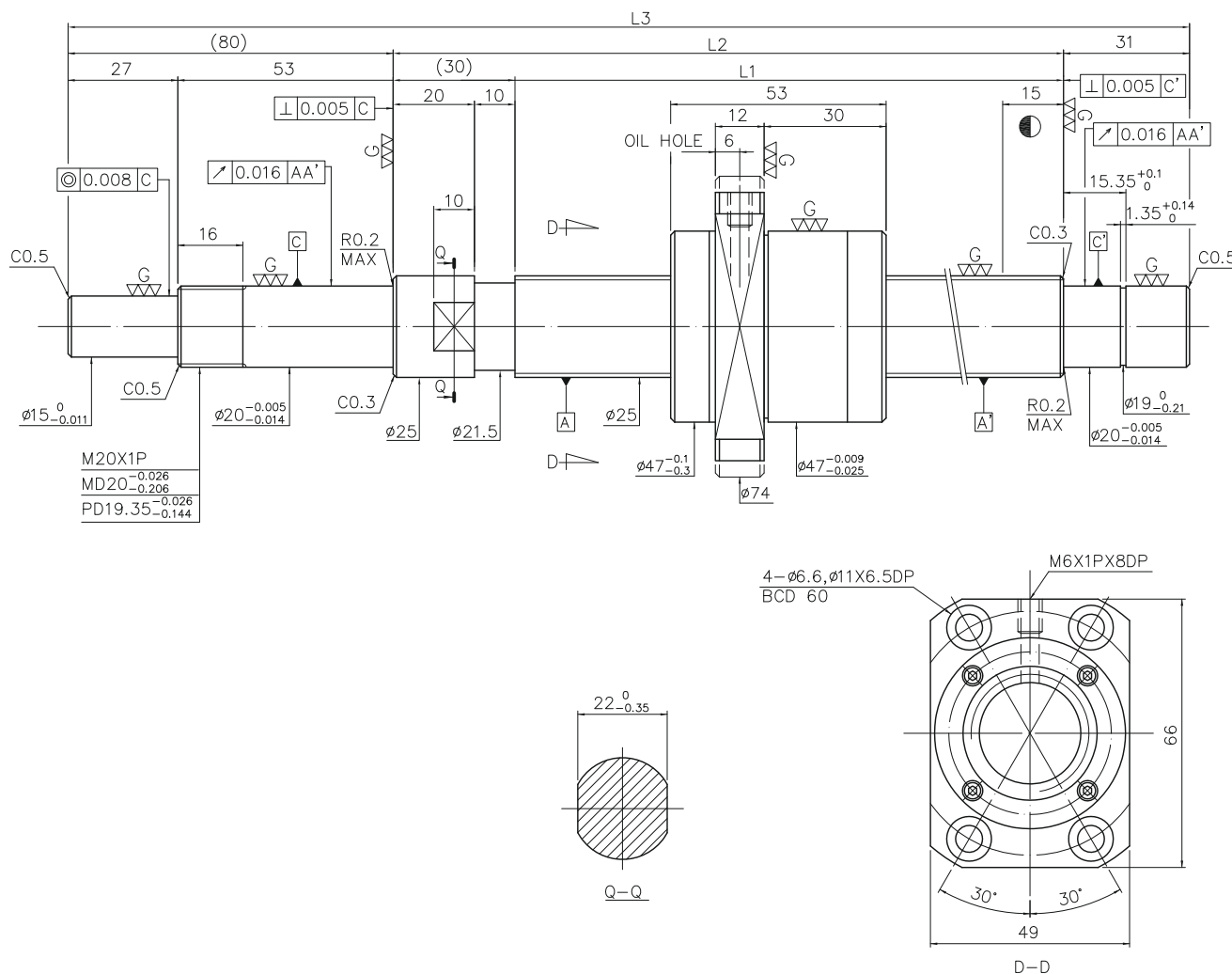
## Szlifowane precyzyjnie

(średnica 25, skok gwintu 20)



### Typ FSH

(średnica 25, skok gwintu 20)



#### Parametry techniczne mechanizmu śrubowo-tocznego

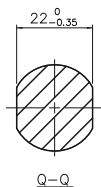
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 20                 |           |
| Kąt wzniosu                     | 13,76°             |           |
| Średnica koła podziałowego [mm] | 26                 |           |
| Średnica kulki [mm]             | Ø 4,763            |           |
| Obiegi                          | 1,8x2              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 11460              | 18190     |
| Nośność statyczna Co [N]        | 19680              | 39360     |
| Moment obrotowy [Ncm]           | 2 ~ 10             | -         |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 500                    | R25-20S2-FSH-610-751-0,018   | 610  | 640  | 751  | 5                 |
| 600                    | R25-20S2-FSH-710-851-0,018   | 710  | 740  | 851  | 5                 |
| 800                    | R25-20S2-FSH-910-1051-0,018  | 910  | 940  | 1051 | 5                 |
| 1000                   | R25-20S2-FSH-1110-1251-0,018 | 1110 | 1140 | 1251 | 5                 |
| 1200                   | R25-20S2-FSH-1310-1451-0,018 | 1310 | 1340 | 1451 | 5                 |
| 1400                   | R25-20S2-FSH-1510-1651-0,018 | 1510 | 1540 | 1651 | 5                 |
| 1600                   | R25-20S2-FSH-1710-1851-0,018 | 1710 | 1740 | 1851 | 5                 |

Jednostka: mm

## Szlifowane precyzyjnie

(średnica 25, skok gwintu 25)

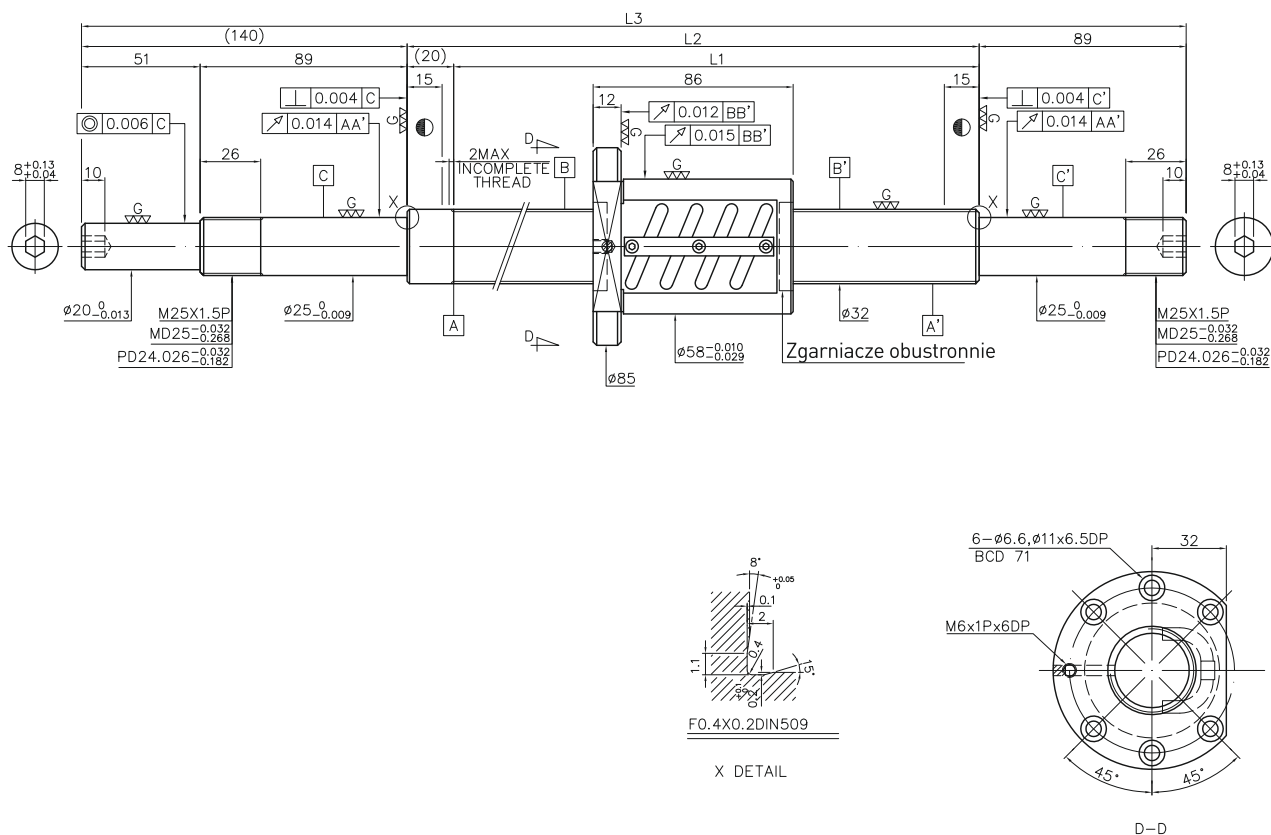


|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 25                 |           |
| Kąt wzniosu                     | 17,01°             |           |
| Średnica koła podziałowego [mm] | 26                 |           |
| Średnica kulki [mm]             | Ø 4,763            |           |
| Obiegi                          | 1,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 6420               | 10180     |
| Nośność statyczna Co [N]        | 9640               | 19260     |
| Moment obrotowy [Ncm]           | 4 ~ 25             | 5 MAX     |
| Kulki rozdzielające             | 1:1                | -         |

Jednostka: mm

### Typ OFSW

(średnica 32, skok gwintu 5)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 5                  |
| Kąt wzniosu                     | 2,79°              |
| Średnica koła podziałowego [mm] | 32,6               |
| Średnica kulki [mm]             | Ø 3,175            |
| Obiegi                          | 2,5x2              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 18860              |
| Nośność statyczna Co [N]        | 56660              |
| Moment obrotowy [Ncm]           | 12 ~ 36            |
| Kulki rozdzielające             | -                  |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 150                    | R32-5B2-OFSW-280-460-0,018   | 280  | 300  | 460  | 5                 |
| 250                    | R32-5B2-OFSW-380-560-0,018   | 380  | 400  | 560  | 5                 |
| 350                    | R32-5B2-OFSW-480-660-0,018   | 480  | 500  | 660  | 5                 |
| 450                    | R32-5B2-OFSW-580-760-0,018   | 580  | 600  | 760  | 5                 |
| 550                    | R32-5B2-OFSW-680-929-0,018   | 680  | 700  | 929  | 5                 |
| 650                    | R32-5B2-OFSW-780-1029-0,018  | 780  | 800  | 1029 | 5                 |
| 850                    | R32-5B2-OFSW-980-1229-0,018  | 980  | 1000 | 1229 | 5                 |
| 1050                   | R32-5B2-OFSW-1180-1429-0,018 | 1180 | 1200 | 1429 | 5                 |
| 1350                   | R32-5B2-OFSW-1480-1729-0,018 | 1480 | 1500 | 1729 | 5                 |

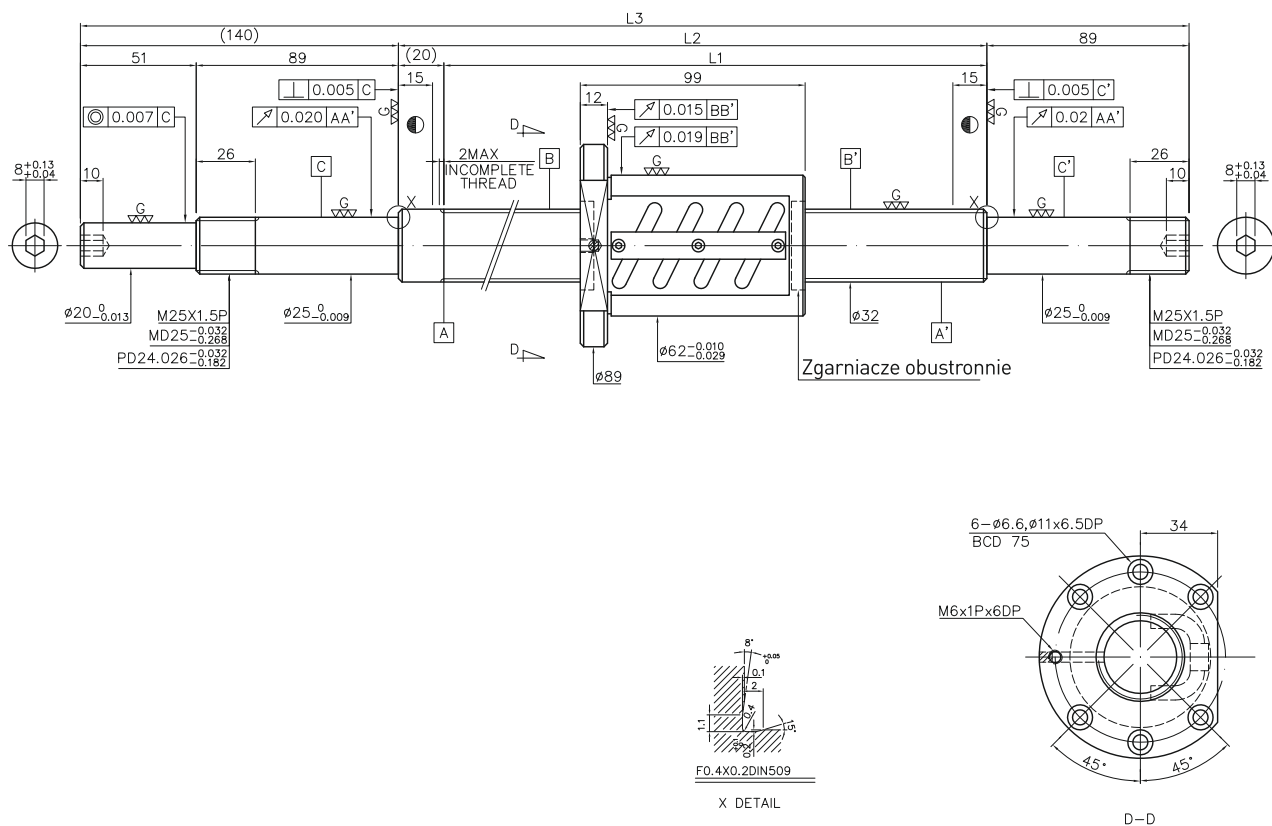
Jednostka: mm

# Mechanizmy śrubowo-toczone

## Wymiary

### Typ OFSW

(średnica 32, skok gwintu 6)



#### Parametry techniczne mechanizmu śrubowo-tocznego

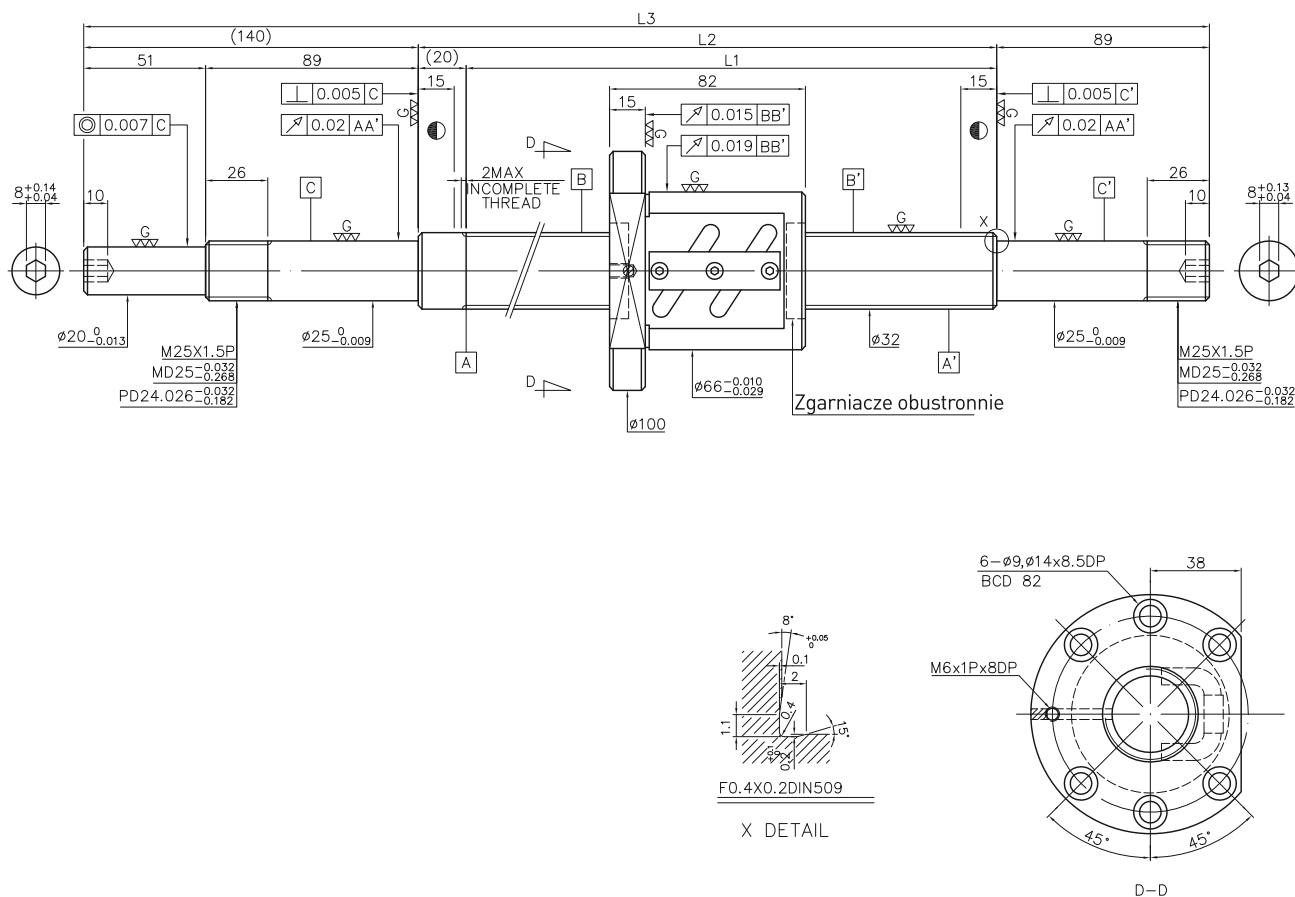
|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 6                  |
| Kąt wzniosu                     | 3,33°              |
| Średnica koła podziałowego [mm] | 32,8               |
| Średnica kulki [mm]             | Ø 3,175            |
| Obiegi                          | 2,5x2              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 25560              |
| Nośność statyczna Co [N]        | 70190              |
| Moment obrotowy [Ncm]           | 23,2 ~ 48,2        |
| Kulki rozdzielające             | -                  |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 250                    | R32-6B2-OFSW-380-560-0,018   | 380  | 400  | 560  | 5                 |
| 450                    | R32-6B2-OFSW-580-760-0,018   | 580  | 600  | 760  | 5                 |
| 650                    | R32-6B2-OFSW-780-1029-0,018  | 780  | 800  | 1029 | 5                 |
| 850                    | R32-6B2-OFSW-980-1229-0,018  | 980  | 1000 | 1229 | 5                 |
| 1050                   | R32-6B2-OFSW-1180-1429-0,018 | 1180 | 1200 | 1429 | 5                 |
| 1350                   | R32-6B2-OFSW-1480-1729-0,018 | 1480 | 1500 | 1729 | 5                 |

Jednostka: mm

## Typ OFSW

(średnica 32, skok gwintu 8)



### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 8                  |
| Kąt wzniosu                     | 4,41°              |
| Średnica koła podziałowego [mm] | 33                 |
| Średnica kulki [mm]             | Ø 4,763            |
| Obiegi                          | 2,5x1              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 26500              |
| Nośność statyczna Co [N]        | 55990              |
| Moment obrotowy [Ncm]           | 12,6 ~ 50,6        |
| Kulki rozdzielające             | -                  |

## Droga prze- mieszczenia

### Oznaczenie HIWIN

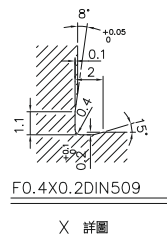
| Droga prze-<br>mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa<br>dokładności |
|----------------------------|------------------------------|------|------|------|----------------------|
| 250                        | R32-8B1-OFSW-380-560-0,018   | 380  | 400  | 560  | 5                    |
| 450                        | R32-8B1-OFSW-580-760-0,018   | 580  | 600  | 760  | 5                    |
| 650                        | R32-8B1-OFSW-780-1029-0,018  | 780  | 800  | 1029 | 5                    |
| 850                        | R32-8B1-OFSW-980-1229-0,018  | 980  | 1000 | 1229 | 5                    |
| 1350                       | R32-8B1-OFSW-1480-1729-0,018 | 1480 | 1500 | 1729 | 5                    |

Jednostka: mm



## Szlifowane precyzyjnie

(średnica 32, skok gwintu 10)

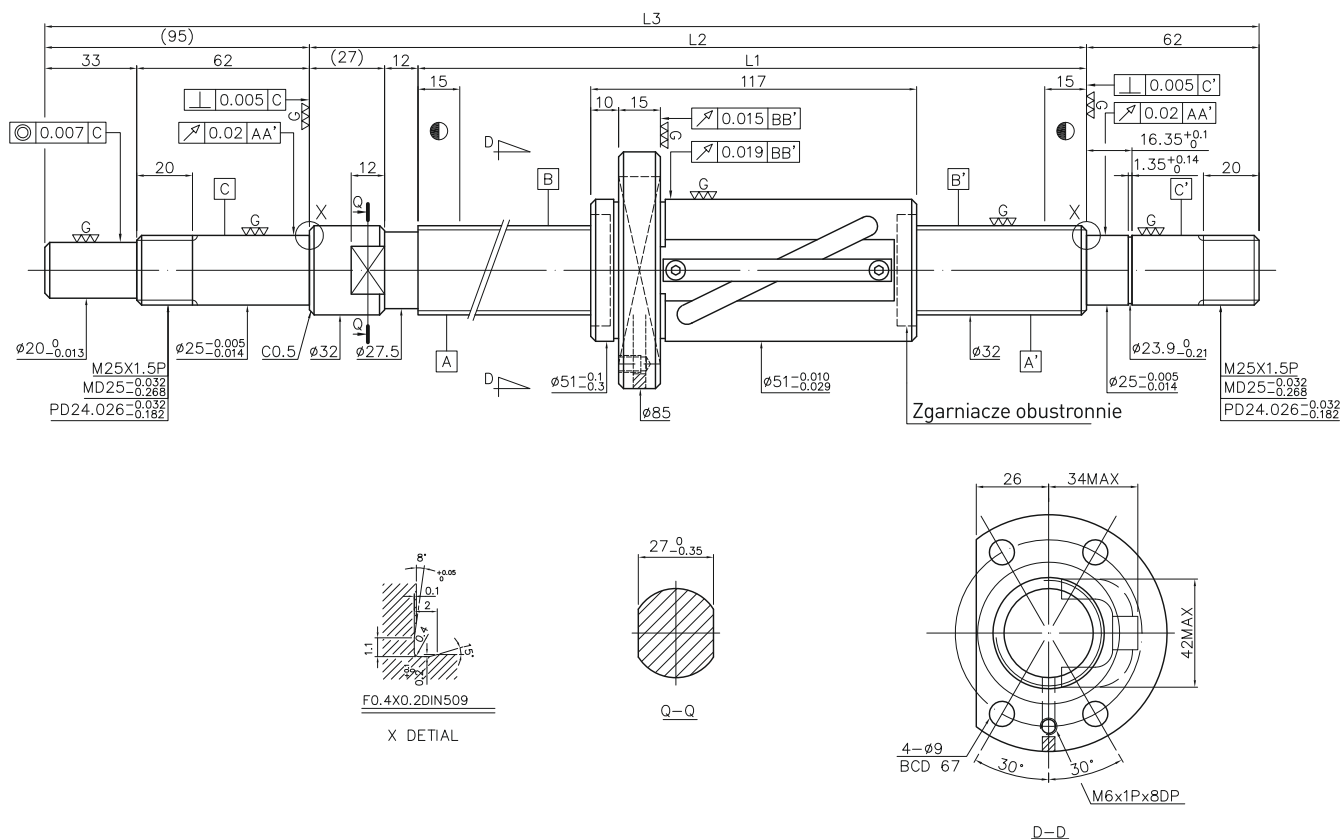


|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 10                 |
| Kąt wzniosu                     | 5,44°              |
| Średnica koła podziałowego [mm] | 33,4               |
| Średnica kulki [mm]             | Ø 6,35             |
| Obiegi                          | 2,5x1              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 26500              |
| Nośność statyczna Co [N]        | 55990              |
| Moment obrotowy [Ncm]           | 35,8 ~ 74,4        |
| Kulki rozdzielające             | -                  |

Jednostka: mm

### Typ FSV

(średnica 32, skok gwintu 25)



#### Parametry techniczne mechanizmu śrubowo-tocznego

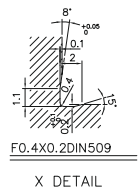
|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 25                 |           |
| Kąt wzniosu                     | 13,65°             |           |
| Średnica koła podziałowego [mm] | 33                 |           |
| Średnica kulki [mm]             | Ø 4,763            |           |
| Obiegi                          | 2,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 11400              | 18090     |
| Nośność statyczna Co [N]        | 21130              | 42260     |
| Moment obrotowy [Ncm]           | 6,9 ~ 32,1         | -8        |
| Kulki rozdzielające             | Tak                | -         |

| Droga prze-mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa dokładności |
|------------------------|------------------------------|------|------|------|-------------------|
| 1000                   | R32-25B1-FSV-1180-1376-0,018 | 1180 | 1219 | 1376 | 5                 |
| 1500                   | R32-25B1-FSV-1680-1876-0,018 | 1680 | 1719 | 1876 | 5                 |
| 2000                   | R32-25B1-FSV-2180-2376-0,018 | 2180 | 2219 | 2376 | 5                 |
| 2600                   | R32-25B1-FSV-2780-2976-0,018 | 2780 | 2819 | 2976 | 5                 |

Jednostka: mm

## Szlifowane precyzyjnie

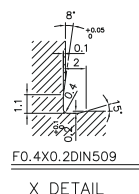
(średnica 32, skok gwintu 32)



|                                 |                    |           |
|---------------------------------|--------------------|-----------|
| Kierunek gwintu                 | Gwint prawoskrętny |           |
| Skok gwintu [mm]                | 32                 |           |
| Kąt wzniosu                     | 17,15°             |           |
| Średnica koła podziałowego [mm] | 33                 |           |
| Średnica kulki [mm]             | Ø 4,763            |           |
| Obiegi                          | 1,5x1              |           |
| Luz osiowy [mm]                 | 0                  | 0,005 MAX |
| Nośność dynamiczna C [N]        | 7260               | 11530     |
| Nośność statyczna Co [N]        | 12530              | 25040     |
| Moment obrotowy [Ncm]           | 7 ~ 32,1           | -8        |
| Kulki rozdzielające             | Tak                | -         |

Jednostka: mm

(średnica 40, skok gwintu 5)

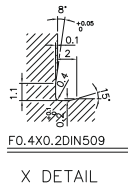


|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 5                  |
| Kąt wzniosu                     | 2,24°              |
| Średnica koła podziałowego [mm] | 40,6               |
| Średnica kulki [mm]             | Ø 3,175            |
| Obiegi                          | 2,5x2              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 20700              |
| Nośność statyczna Co [N]        | 71340              |
| Moment obrotowy [Ncm]           | 18,1 ~ 42,1        |
| Kulki rozdzielające             | -                  |

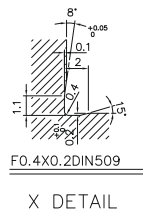
Jednostka: mm

## Szlifowane precyzyjnie

(średnica 40, skok gwintu 8)

114

(średnica 40, skok gwintu 10)



|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 10                 |
| Kąt wzniosu                     | 4,4°               |
| Średnica koła podziałowego [mm] | 41,4               |
| Średnica kulki [mm]             | Ø 6,35             |
| Obiegi                          | 2,5x1              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 29580              |
| Nośność statyczna Co [N]        | 70690              |
| Moment obrotowy [Ncm]           | 45,7 ~ 84,9        |
| Kulki rozdzielające             | -                  |

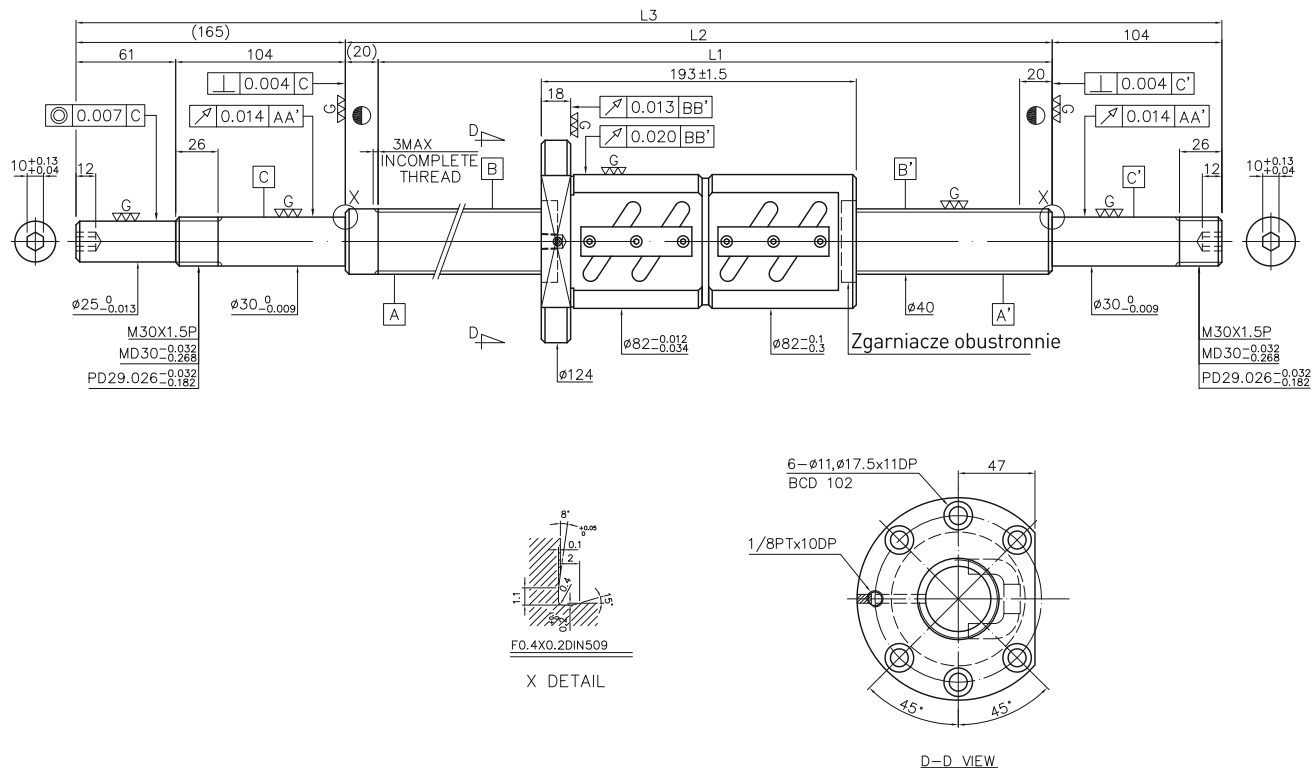
Jednostka: mm

# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

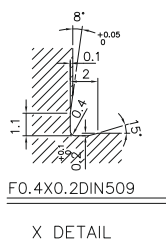
### Typ OFSW

(średnica 40, skok gwintu 10)



| Parametry techniczne mechanizmu śrubowo-tocznego |                    | Droga prze-<br>mieszczenia | Oznaczenie HIWIN             | L1   | L2   | L3   | Klasa<br>dokładności |
|--------------------------------------------------|--------------------|----------------------------|------------------------------|------|------|------|----------------------|
| Kierunek gwintu                                  | Gwint prawoskrętny | 250                        | R40-10B2-FDW-480-687-0,018   | 480  | 500  | 687  | 5                    |
| Skok gwintu [mm]                                 | 10                 | 350                        | R40-10B2-FDW-580-787-0,018   | 580  | 600  | 787  | 5                    |
| Kąt wzniosu                                      | 4,4°               | 450                        | R40-10B2-FDW-680-887-0,018   | 680  | 700  | 887  | 5                    |
| Średnica koła podziałowego [mm]                  | 41,4               | 550                        | R40-10B2-FDW-780-1069-0,018  | 780  | 800  | 1069 | 5                    |
| Średnica kulki [mm]                              | Ø 6,35             | 750                        | R40-10B2-FDW-980-1269-0,018  | 980  | 1000 | 1269 | 5                    |
| Obiegi                                           | 2,5x2              | 950                        | R40-10B2-FDW-1180-1469-0,018 | 1180 | 1200 | 1469 | 5                    |
| Luz osiowy [mm]                                  | 0                  | 1150                       | R40-10B2-FDW-1380-1669-0,018 | 1380 | 1400 | 1669 | 5                    |
| Nośność dynamiczna C [N]                         | 53690              | 1350                       | R40-10B2-FDW-1580-1869-0,018 | 1580 | 1600 | 1869 | 5                    |
| Nośność statyczna Co [N]                         | 141380             | 1550                       | R40-10B2-FDW-1780-2069-0,018 | 1780 | 1800 | 2069 | 5                    |
| Moment obrotowy [Ncm]                            | 82,6 ~ 137,8       | 2150                       | R40-10B2-FDW-2380-2669-0,018 | 2380 | 2400 | 2669 | 5                    |
| Kulki rozdzielające                              | -                  |                            |                              |      |      |      |                      |

(średnica 40, skok gwintu 12)



|                                        |                    |
|----------------------------------------|--------------------|
| <b>Kierunek gwintu</b>                 | Gwint prawoskrętny |
| <b>Skok gwintu [mm]</b>                | 12                 |
| <b>Kąt wzniosu</b>                     | 5,25°              |
| <b>Średnica koła podziałowego [mm]</b> | 41,6               |
| <b>Średnica kulki [mm]</b>             | Ø 7,144            |
| <b>Obiegi</b>                          | 2,5x1              |
| <b>Luz osiowy [mm]</b>                 | 0                  |
| <b>Nośność dynamiczna C [N]</b>        | 34250              |
| <b>Nośność statyczna Co [N]</b>        | 78370              |
| <b>Moment obrotowy [Ncm]</b>           | 59,3 ~ 110,1       |
| <b>Kulki rozdzielające</b>             | -                  |

Jednostka: mm

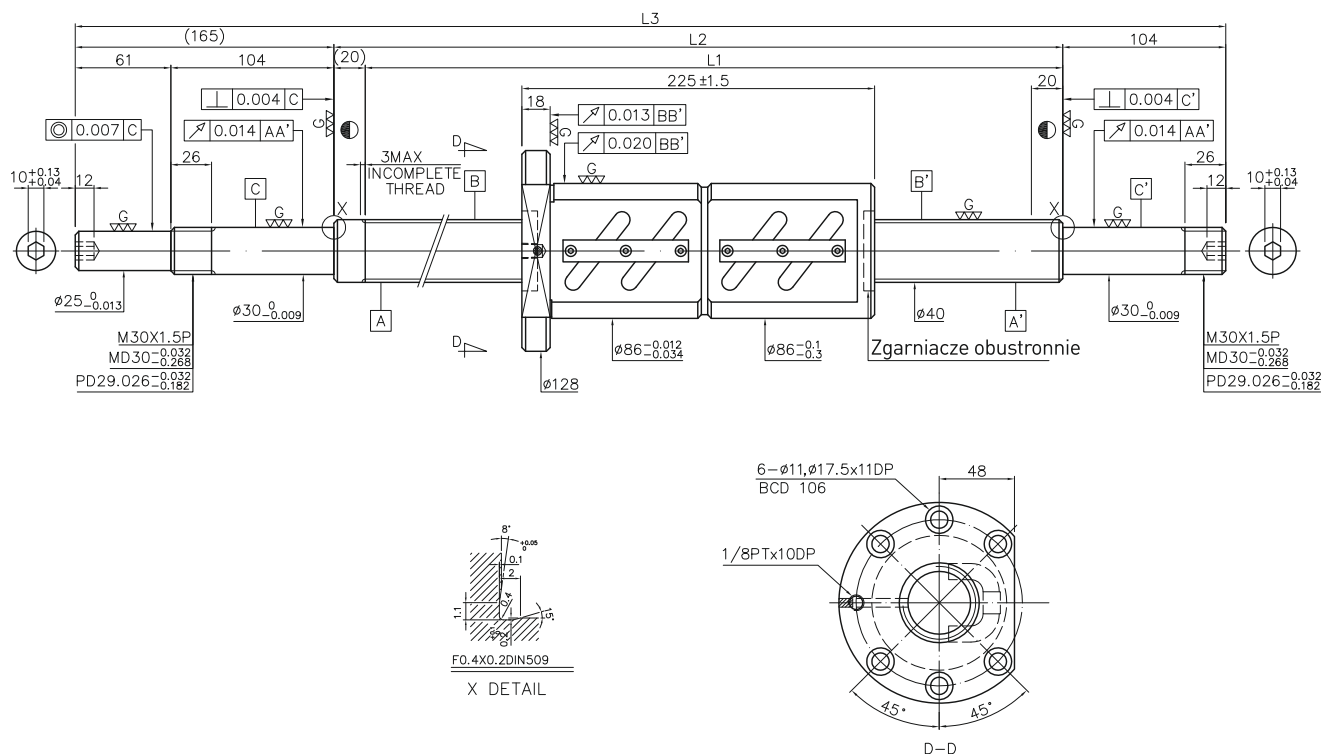


# Mechanizmy śrubowo-toczne

## Szlifowane precyzyjnie

### Typ OFSW

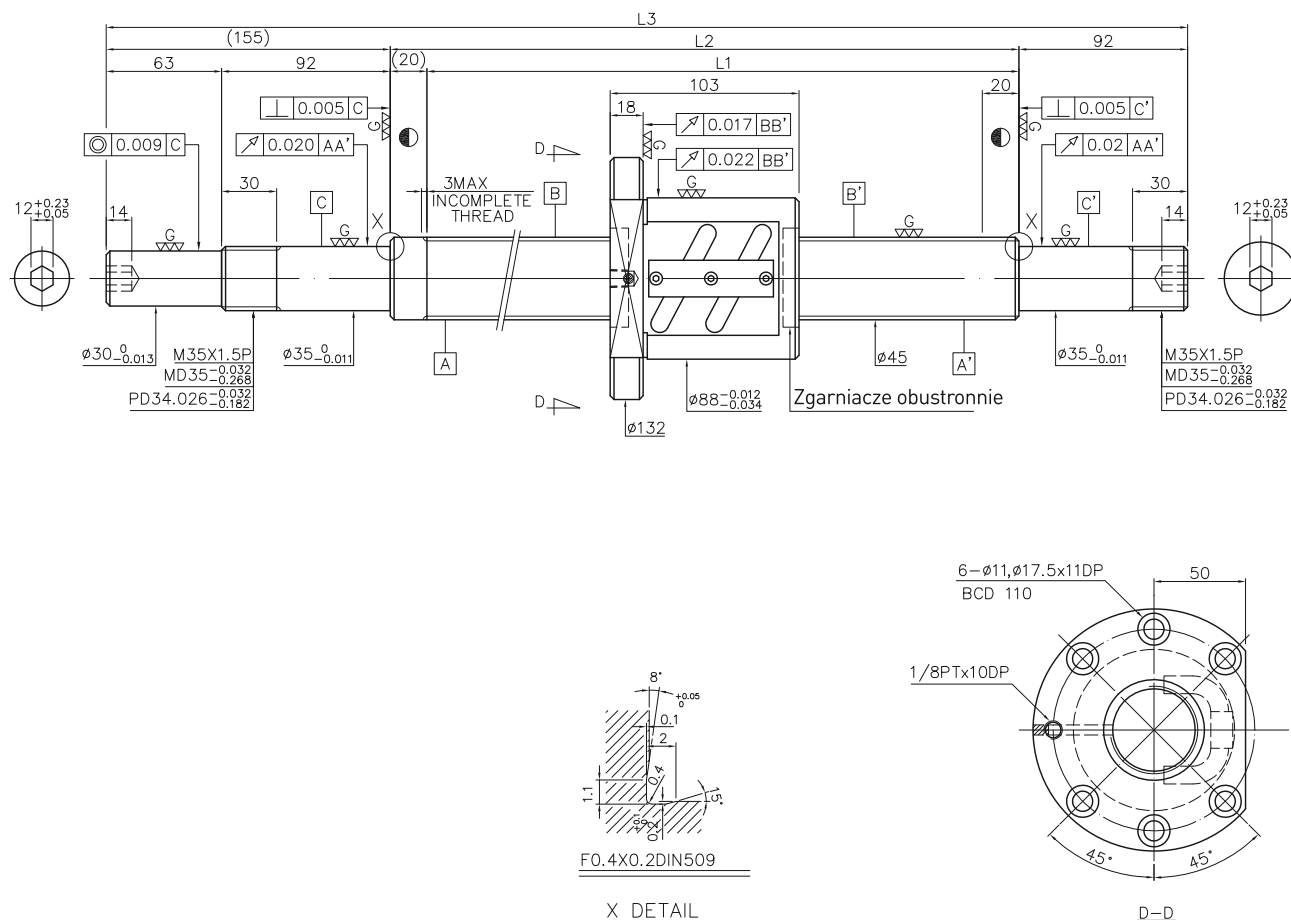
[średnica 40, skok gwintu 12]



| Parametry techniczne mechanizmu śrubowo-tocznego |                    | Droga prze-mieszczenia |                              |      |      |                   |   |
|--------------------------------------------------|--------------------|------------------------|------------------------------|------|------|-------------------|---|
|                                                  |                    | Oznaczenie HIWIN       | L1                           | L2   | L3   | Klasa dokładności |   |
| Kierunek gwintu                                  | Gwint prawoskrętny | 400                    | R40-12B2-FDW-680-969-0,018   | 680  | 700  | 969               | 5 |
| Skok gwintu [mm]                                 | 12                 | 700                    | R40-12B2-FDW-980-1269-0,018  | 980  | 1000 | 1269              | 5 |
| Kąt wzniosu                                      | 5,25°              | 1100                   | R40-12B2-FDW-1380-1669-0,018 | 1380 | 1400 | 1669              | 5 |
| Średnica koła podziałowego [mm]                  | 41,6               | 1500                   | R40-12B2-FDW-1780-2069-0,018 | 1780 | 1800 | 2069              | 5 |
| Średnica kulki [mm]                              | Ø 7,144            | 2200                   | R40-12B2-FDW-2480-2769-0,018 | 2480 | 2500 | 2769              | 5 |
| Obiegi                                           | 2,5x2              | Jednostka: mm          |                              |      |      |                   |   |
| Luz osiowy [mm]                                  | 0                  |                        |                              |      |      |                   |   |
| Nośność dynamiczna C [N]                         | 62160              |                        |                              |      |      |                   |   |
| Nośność statyczna Co [N]                         | 156140             |                        |                              |      |      |                   |   |
| Moment obrotowy [Ncm]                            | 97,9 ~ 181,7       |                        |                              |      |      |                   |   |
| Kulki rozdzielające                              | -                  |                        |                              |      |      |                   |   |

### Typ OFSW

(średnica 45, skok gwintu 10)



#### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 10                 |
| Kąt wzniosu                     | 3,92°              |
| Średnica koła podziałowego [mm] | 46,4               |
| Średnica kulki [mm]             | Ø 6,35             |
| Obiegi                          | 2,5x1              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 31150              |
| Nośność statyczna Co [N]        | 79520              |
| Moment obrotowy [Ncm]           | 45,8 ~ 95          |
| Kulki rozdzielające             | -                  |

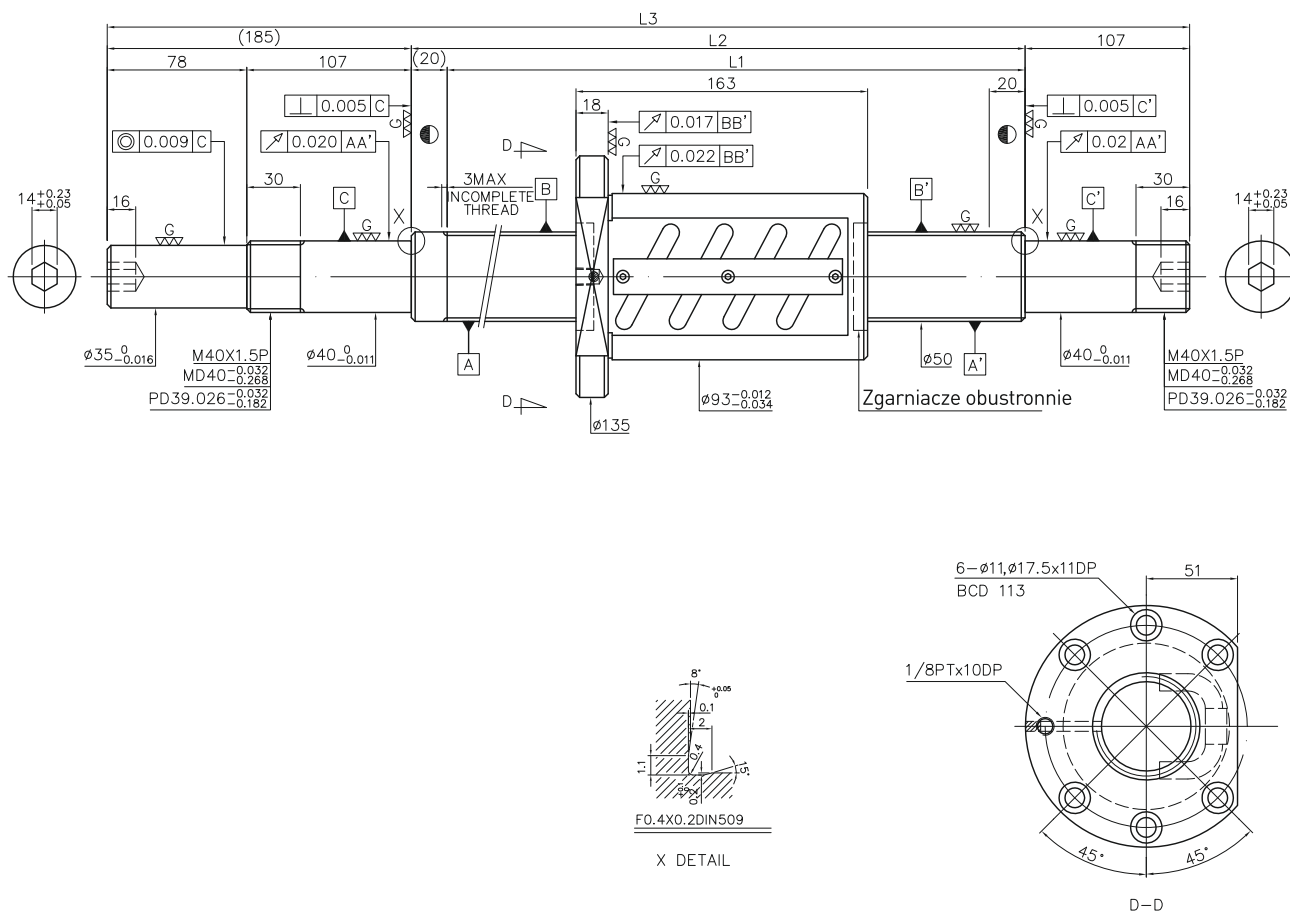
| Droga prze-mieszczenia | Oznaczenie HIWIN              | L1   | L2   | L3   | Klasa dokładności |
|------------------------|-------------------------------|------|------|------|-------------------|
| 550                    | R45-10B1-OFSW-680-947-0,018   | 680  | 700  | 947  | 5                 |
| 850                    | R45-10B1-OFSW-980-1247-0,018  | 980  | 1000 | 1247 | 5                 |
| 1250                   | R45-10B1-OFSW-1380-1647-0,018 | 1380 | 1400 | 1647 | 5                 |
| 1650                   | R45-10B1-OFSW-1780-2047-0,018 | 1780 | 1800 | 2047 | 5                 |
| 2350                   | R45-10B1-OFSW-2480-2747-0,018 | 2480 | 2500 | 2747 | 5                 |

Jednostka: mm



## Typ OFSW

(średnica 50, skok gwintu 10)



### Parametry techniczne mechanizmu śrubowo-tocznego

|                                 |                    |
|---------------------------------|--------------------|
| Kierunek gwintu                 | Gwint prawoskrętny |
| Skok gwintu [mm]                | 10                 |
| Kąt wzniosu                     | 3,54°              |
| Średnica koła podziałowego [mm] | 51,4               |
| Średnica kulki [mm]             | Ø 6,35             |
| Obiegi                          | 2,5x2              |
| Luz osiowy [mm]                 | 0                  |
| Nośność dynamiczna C [N]        | 59230              |
| Nośność statyczna Co [N]        | 176700             |
| Moment obrotowy [Ncm]           | 104,8 ~ 174,8      |
| Kulki rozdzielające             | -                  |

| Droga prze-<br>mieszczenia | Oznaczenie HIWIN              | L1   | L2   | L3   | Klasa<br>dokładności |
|----------------------------|-------------------------------|------|------|------|----------------------|
| 350                        | R50-10B2-OFSW-580-892-0,018   | 580  | 600  | 892  | 5                    |
| 550                        | R50-10B2-OFSW-780-1092-0,018  | 780  | 800  | 1092 | 5                    |
| 750                        | R50-10B2-OFSW-980-1292-0,018  | 980  | 1000 | 1292 | 5                    |
| 950                        | R50-10B2-OFSW-1180-1492-0,018 | 1180 | 1200 | 1492 | 5                    |
| 1250                       | R50-10B2-OFSW-1480-1792-0,018 | 1480 | 1500 | 1792 | 5                    |
| 1750                       | R50-10B2-OFSW-1980-2292-0,018 | 1980 | 2000 | 2292 | 5                    |
| 2350                       | R50-10B2-OFSW-2580-2892-0,018 | 2580 | 2600 | 2892 | 5                    |

Jednostka: mm