

## KULSKRUV BSH

BSH02004

- Rullformad kulskruv i toleransklass T7 och T5
- Slipad kulskruv i toleransklass T5, T3 samt T1
- Diametrar standard från 6 till 80 mm
- Stigning från 1 till 50 mm
- Kulmuttrar, enkel eller dubbel, med eller utan fläns



### Produktbeskrivning

Kulskruv kan användas i de flesta applikationer som behöver lösa positionering och transportproblem med minsta möjliga friktion. T.ex. till linjärbord, CNC-maskiner, automatiseringsindustrin såväl som inom läkemedels och livsmedelsindustrin. Finns i flera toleransklasser beroende på applikation

Internordic erbjuder ett brett program av kulskruvar i olika stigningar, precisions och spänningsklasser

Rullformade eller slipade beroende på toleransklass

Samt kulmuttrar i tillhörande utförande, enkel eller dubbel mutter med eller utan fläns

Allt i standardstorlekar från 6 mm till 80 mm

Specialstorlekar upp till 125 mm

### Standardprogram

Standardprogram Rullformad Toleransklass 7.

|                         |                  |
|-------------------------|------------------|
| Material:               | Skruv: Ck55      |
|                         | Mutter: 15 CrMo5 |
|                         | Kulor: 100Cr6    |
| Tätningar: Lättglidande |                  |

| Mutter typ |    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
|------------|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|
| Size       | SK |   | CI |   | SC |   | DC |   | SU |   | DU |   | SE |   | SH |   |
|            | R  | L | R  | L | R  | L | R  | L | R  | L | R  | L | R  | L | R  | L |
| 0601       | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 0801       | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 0802       | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 082,5      | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 01002      | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    | X |
| 01004      | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    | X |
| 01202      | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 01204      |    |   |    |   |    |   |    |   | X  |   |    |   |    |   |    | X |
| 01205      |    |   |    |   | X  |   |    |   |    |   |    |   |    |   |    | X |
| 01210      |    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 01402      | X  |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 01604      |    |   | X  |   |    |   |    |   | X  |   | X  |   |    |   |    | X |
| 01605      |    |   | X  | X | X  |   | X  |   | X  | X | X  | X |    |   |    | X |
| 01610      |    |   |    |   | X  |   | X  |   | X  |   | X  |   |    |   |    |   |
| 01616      |    |   |    |   | X  |   |    |   |    |   |    |   | X  |   |    |   |
| 01620      |    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
| 02004      |    |   | X  |   |    |   |    |   | X  |   | X  |   |    |   |    |   |
| 02005      |    |   | X  | X | X  |   | X  |   | X  | X | X  | X |    |   |    | X |
| 02010      |    |   |    |   | X  |   | X  |   |    |   |    |   |    |   |    |   |
| 02020      |    |   |    |   | X  |   |    |   |    |   |    |   | X  |   |    |   |
| 02504      |    |   | X  |   |    |   |    |   | X  |   | X  |   |    |   |    |   |
| 02505      |    |   | X  | X | X  |   | X  |   | X  | X | X  | X |    |   |    | X |

|       |   |   |   |  |   |   |   |   |   |
|-------|---|---|---|--|---|---|---|---|---|
| 02510 | X |   | X |  | X |   | X |   |   |
| 02525 |   |   | X |  |   |   |   |   | X |
| 03204 | X |   |   |  | X |   | X |   |   |
| 03205 | X | X | X |  | X | X | X | X |   |
| 03210 | X |   | X |  | X | X | X | X |   |
| 03220 |   |   | X |  | X |   |   |   |   |
| 03232 |   |   | X |  |   |   |   |   | X |
| 04005 | X | X | X |  | X | X | X | X |   |
| 04010 | X | X | X |  | X | X | X | X |   |
| 04020 |   |   | X |  | X |   |   |   |   |
| 04040 |   |   | X |  |   |   |   |   | X |
| 05005 |   |   |   |  |   |   |   |   |   |
| 05010 | X |   | X |  | X | X | X | X |   |
| 05020 |   |   | X |  | X |   |   |   |   |
| 05050 |   |   | X |  |   |   |   |   | X |
| 06310 | X |   | O |  | X |   | X |   |   |
| 06320 |   |   | O |  | X |   | X |   |   |
| 08010 | X |   | O |  | O | X |   | X |   |
| 08020 |   |   | X |  | X |   | X |   |   |

|    |                                    |
|----|------------------------------------|
| R: | Rullformad, högergånga             |
| L: | Rullformad, vänstergånga           |
| X  | Lagerförd                          |
| X  | Standard                           |
| O  | Ej standard, tas fram på förfrågan |

Specialprogram

Specialprogram, Rullformad eller slipad

Rullformad: Toleransklasser T7 och T5  
Slipad: Toleransklasser T5, T3 och T1  
Utförande: mm och tum  
Diametrar: Från 6 till 125 mm  
Stigning: Från 1 mm till 50 mm

Varianter

- Mutter:
- Med/utan fläns enl DIN/ISO
  - Cylindrisk med gängad sockel
  - Miniatyr
  - Specialmodeller

- Förspänning:
- Max 5 % av dynamisk last (enkel mutter)
  - Max 10 % av dynamisk last (dubbel mutter)

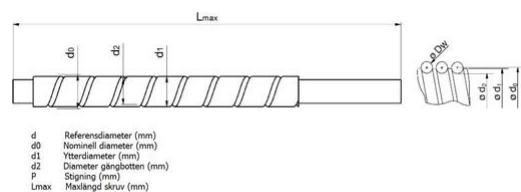
- Material:
- Skruv: Cf53, X90CrMoV5 (Korrosionsbeständig, ex för applikation inom medicinteknik)
  - Mutter: 16MNCr5, Korrosionsbeständigt material på förfrågan
  - Kulor: 100Cr6, X45Cr13 (korrosionsbeständig) Keramiska kulor

- Avstrykare:
- Avstrykare i PTFE, Borstavstrykare, Filtavstrykare etc..

ATC-Beläggning, ex för användning i korrosionsfrämjande miljö, Livsmedelsindustri  
ATC-beläggningen är en extremt hård, sprickfri och tunn beläggning med hög kromhalt, 98%

Kulskruv SC, DC

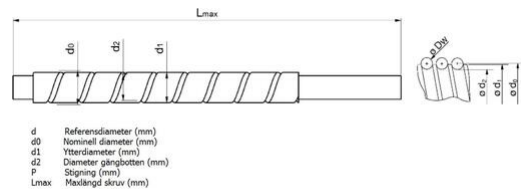
Rullformad skruv (toleransklass 7) för mutter (Typ SC/DC)



| Art. Nr  | Dimensioner (mm) |       |    |    |       |       | Tröghetsmoment        | Vikt  |
|----------|------------------|-------|----|----|-------|-------|-----------------------|-------|
|          | d                | do    | P  | d1 | d2    | L max | kgxm2/m               | kg/m  |
| BSH01205 | 12               | 12,3  | 5  | 12 | 9,8   | 1000  | 7,64X10 <sup>-6</sup> | 0,61  |
| BSH01210 | 12               | 12,3  | 10 | 12 | 9,8   | 1000  | 1,42X10 <sup>-5</sup> | 0,83  |
| BSH01605 | 16               | 15,67 | 5  | 15 | 12,89 | 3000  | 3,17X10 <sup>-5</sup> | 1,24  |
| BSH01610 | 16               | 15,67 | 10 | 15 | 12,89 | 3000  | 3,54X10 <sup>-5</sup> | 1,32  |
| BSH01616 | 16               | 15,67 | 16 | 15 | 12,89 | 2900  | 3,45X10 <sup>-5</sup> | 1,3   |
| BSH01620 | 16               | 15,67 | 20 | 15 | 12,89 | 3000  | 3,54X10 <sup>-5</sup> | 1,32  |
| BSH02005 | 12               | 21,08 | 5  | 20 | 17,9  | 3000  | 1,04X10 <sup>-4</sup> | 2,25  |
| BSH02010 | 20               | 21,08 | 10 | 20 | 17,9  | 3000  | 1,14X10 <sup>-4</sup> | 2,36  |
| BSH02020 | 20               | 20,75 | 20 | 20 | 17,6  | 3000  | 1,12X10 <sup>-4</sup> | 2,34  |
| BSH02505 | 25               | 26,08 | 5  | 25 | 22,9  | 5800  | 2,62X10 <sup>-4</sup> | 3,59  |
| BSH02510 | 25               | 26,08 | 10 | 25 | 22,9  | 5800  | 2,82X10 <sup>-4</sup> | 3,72  |
| BSH02525 |                  | 26,08 | 25 | 25 | 22,9  | 5500  | 2,62X10 <sup>-4</sup> | 3,59  |
| BSH03205 | 32               | 33,08 | 5  | 32 | 29,9  | 6000  | 7,24X10 <sup>-4</sup> | 5,97  |
| BSH03210 | 32               | 32,35 | 10 | 31 | 28,38 | 5600  | 6,54X10 <sup>-4</sup> | 5,97  |
| BSH03220 | 32               | 32,35 | 20 | 31 | 28,38 | 5500  | 6,54X10 <sup>-4</sup> | 5,67  |
| BSH03232 | 32               | 32,35 | 32 | 31 | 28,38 | 5000  | 6,76X10 <sup>-4</sup> | 5,77  |
| BSH04005 | 40               | 41,08 | 5  | 40 | 37,9  | 6000  | 1,8X10 <sup>-3</sup>  | 9,44  |
| BSH04010 | 40               | 39,52 | 10 | 38 | 33,17 | 6000  | 1,29X10 <sup>-3</sup> | 7,93  |
| BSH04020 | 40               | 39,52 | 20 | 38 | 33,17 | 6000  | 1,29X10 <sup>-3</sup> | 7,93  |
| BSH04040 | 40               | 39,52 | 40 | 38 | 33,17 | 5000  | 1,45X10 <sup>-3</sup> | 8,42  |
| BSH05005 | 50               | 51,09 | 5  | 50 | 47,92 | 6000  | 4,49X10 <sup>-3</sup> | 14,88 |
| BSH05010 | 50               | 51,09 | 10 | 48 | 43,81 | 6000  | 3,54X10 <sup>-3</sup> | 13,18 |
| BSH05020 | 50               | 50,16 | 20 | 48 | 43,81 | 6000  | 3,54X10 <sup>-3</sup> | 13,18 |
| BSH05050 | 50               | 50,16 | 50 | 48 | 43,81 | 600   | 3,87X10 <sup>-3</sup> | 13,8  |
| BSH06310 | 63               | 63,16 | 10 | 61 | 56,81 | 7000  | 9,22X10 <sup>-3</sup> | 21,64 |
| BSH06320 | 63               | 63,43 | 20 | 61 | 56,29 | 7000  | 9,51X10 <sup>-3</sup> | 21,29 |
| BSH08010 | 80               | 79,16 | 10 | 77 | 72,8  | 7000  | 2,47X10 <sup>-2</sup> | 34,92 |
| BSH08020 | 80               | 80,24 | 20 | 77 | 70,71 | 7000  | 2,45X10 <sup>-2</sup> | 34,72 |

## Kulskruv SK, CI, SU, DU, SE

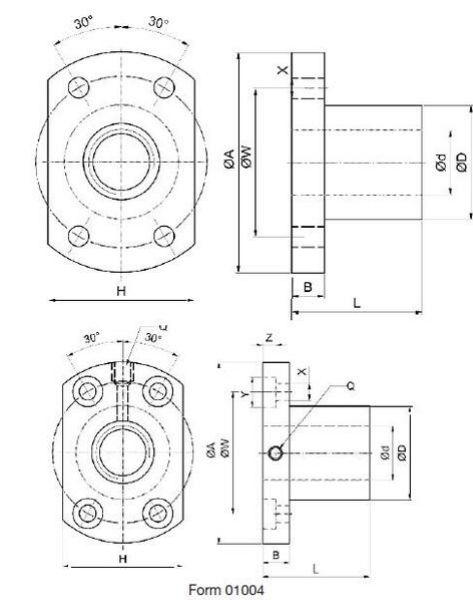
Rullformad skruv (toleransklass 7) för mutter (Typ SK, CI, SU, DU, SE)



| Art. Nr   | Dimensioner (mm) |       |     |    |       |       | Tröghetsmoment        | Vikt |
|-----------|------------------|-------|-----|----|-------|-------|-----------------------|------|
|           | d                | do    | P   | d1 | d2    | L max | kgxm2/m               | kg/m |
| BSH00601  | 6                | 6,27  | 1   | 6  | 5,47  | 900   | 0,83x10 <sup>-7</sup> | 0,2  |
| BSH00801  | 8                | 8,2   | 1   | 8  | 7,4   | 1200  | 2,67x10 <sup>-6</sup> | 0,36 |
| BSH00802  | 8                | 8,41  | 2   | 8  | 7,21  | 1000  | 2,71x10 <sup>-6</sup> | 0,36 |
| BSH0082,5 | 8                | 8,41  | 2,5 | 10 | 7,21  | 1000  | 2,8x10 <sup>-6</sup>  | 0,37 |
| BSH01002  | 10               | 10,41 | 2   | 10 | 9,21  | 1200  | 5,11x10 <sup>-6</sup> | 0,58 |
| BSH01004  | 10               | 10,68 | 4   | 12 | 8,68  | 1200  | 6,53x10 <sup>-6</sup> | 0,57 |
| BSH01202  | 12               | 12,41 | 2   | 12 | 11,21 | 1200  | 1,07x10 <sup>-5</sup> | 0,62 |
| BSH01204  | 12               | 12,3  | 4   | 12 | 9,8   | 1000  | 1,51x10 <sup>-5</sup> | 0,86 |
| BSH01205  | 12               | 12,3  | 5   | 12 | 9,8   | 1000  | 7,64x10 <sup>-6</sup> | 0,78 |

|          |    |       |    |    |       |      |                       |       |
|----------|----|-------|----|----|-------|------|-----------------------|-------|
| BSH01402 | 14 | 14,41 | 2  | 14 | 13,21 | 1200 | 2,01x10 <sup>-5</sup> | 0,85  |
| BSH01604 | 16 | 16,82 | 4  | 16 | 14,4  | 3000 | 4,35x10 <sup>-5</sup> | 1,46  |
| BSH01605 | 16 | 17,08 | 5  | 16 | 13,9  | 3000 | 4,45x10 <sup>-5</sup> | 1,41  |
| BSH01610 | 16 | 17,08 | 10 | 16 | 12,9  | 3000 | 4,36x10 <sup>-5</sup> | 1,46  |
| BSH01616 | 16 | 15,67 | 16 | 16 | 12,9  | 3000 | 3,34x10 <sup>-5</sup> | 1,27  |
| BSH02004 | 20 | 20,82 | 4  | 20 | 18,4  | 3000 | 1,09x10 <sup>-4</sup> | 2,32  |
| BSH02005 | 20 | 21,08 | 5  | 20 | 17,9  | 3000 | 1,12x10 <sup>-4</sup> | 2,35  |
| BSH02010 | 20 | 21,08 | 10 | 20 | 17,9  | 3000 | 1,18x10 <sup>-4</sup> | 2,41  |
| BSH02020 | 20 | 20,76 | 20 | 20 | 17,6  | 3000 | 1x10 <sup>-4</sup>    | 2,21  |
| BSH02504 | 25 | 25,82 | 4  | 25 | 23,4  | 6000 | 2,73x10 <sup>-4</sup> | 3,65  |
| BSH02505 | 25 | 26,08 | 5  | 25 | 22,9  | 5800 | 2,62x10 <sup>-4</sup> | 3,59  |
| BSH02510 | 25 | 27,15 | 10 | 25 | 20,8  | 5800 | 2,94x10 <sup>-4</sup> | 3,81  |
| BSH02525 | 25 | 26,09 | 25 | 25 | 22,9  | 5000 | 2,6x10 <sup>-4</sup>  | 3,64  |
| BSH03204 | 32 | 32,82 | 4  | 32 | 30,4  | 6000 | 7,48x10 <sup>-4</sup> | 6,08  |
| BSH03205 | 32 | 33,08 | 5  | 32 | 29,9  | 6000 | 7,25x10 <sup>-4</sup> | 5,98  |
| BSH03210 | 32 | 34,15 | 10 | 32 | 27,8  | 5900 | 7,69x10 <sup>-4</sup> | 6,16  |
| BSH03220 | 32 | 33,35 | 20 | 32 | 29,38 | 6000 | 7,76x10 <sup>-4</sup> | 6,37  |
| BSH03232 | 32 | 32,35 | 32 | 32 | 28,4  | 5000 | 6,89x10 <sup>-4</sup> | 5,81  |
| BSH04005 | 40 | 41,08 | 5  | 40 | 37,9  | 6000 | 1,81x10 <sup>-3</sup> | 9,44  |
| BSH04010 | 40 | 42,15 | 10 | 40 | 35,8  | 6000 | 1,66x10 <sup>-3</sup> | 9,02  |
| BSH04040 | 40 | 39,52 | 40 | 38 | 33,2  | 5500 | 1,43x10 <sup>-3</sup> | 8,29  |
| BSH05010 | 50 | 52,15 | 10 | 50 | 45,8  | 6000 | 4,19x10 <sup>-3</sup> | 14,35 |
| BSH05020 | 50 | 53,58 | 20 | 50 | 44,05 | 6000 | 4,45x10 <sup>-3</sup> | 14,82 |
| BSH05050 | 50 | 52,25 | 50 | 50 | 44,31 | 6000 | 4,33x10 <sup>-3</sup> | 14,59 |
| BSH06310 | 63 | 65,15 | 10 | 63 | 58,8  | 7000 | 1,09x10 <sup>-2</sup> | 23,12 |
| BSH06320 | 63 | 66,24 | 20 | 63 | 56,72 | 7000 | 1,15x10 <sup>-2</sup> | 23,83 |
| BSH08010 | 80 | 82,15 | 10 | 80 | 75,8  | 7000 | 2,89x10 <sup>-2</sup> | 37,76 |
| BSH08020 | 80 | 83,25 | 20 | 80 | 73,72 | 7000 | 2,87x10 <sup>-2</sup> | 37,56 |

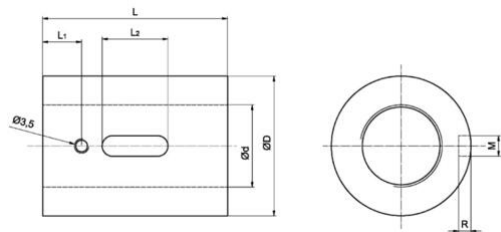
Mutter typ SK-CI



| Storlek | Gänga | Dimensioner (mm) |     |       |      |    |     |    |    |       |     |   |     | Nr* | Belastning (kn) |                     | förspänning K (N/µm) |                      |
|---------|-------|------------------|-----|-------|------|----|-----|----|----|-------|-----|---|-----|-----|-----------------|---------------------|----------------------|----------------------|
|         |       | D                | p   | Kul-Ø | D g6 | A  | B   | L  | W  | H±0,1 | X   | Y | Z   |     | Q               | dyn. C <sub>a</sub> |                      | Stat.C <sub>a0</sub> |
| 00601   | R     | 6                | 1   | 0,8   | 12   | 24 | 3,5 | 15 | 18 | 16    | 3,4 | - | -   | -   | 3               | 1,09                | 2,19                 | 88                   |
| 00801   | R     | 8                | 1   |       | 14   | 27 | 4   | 16 | 21 | 18    |     | - | -   | -   | 4               | 1,58                | 3,95                 | 137                  |
| 00802   | R     |                  | 2   | 1,2   |      |    |     |    |    |       |     | - | -   | -   | 3               | 2,17                | 4,49                 | 127                  |
| 0082,5  | R     |                  | 2,5 |       | 16   | 29 |     | 26 | 23 | 20    |     | - | -   | -   |                 |                     |                      |                      |
| 01002   | R     | 10               | 2   |       | 18   | 35 | 5   | 28 | 27 | 22    | 4,5 | - | -   | -   |                 | 2,38                | 5,58                 | 147                  |
| 01004   | R     |                  | 4   | 2     | 26   | 46 | 10  | 34 | 36 | 28    |     | 8 | 4,5 | M6  |                 | 4,59                | 8,88                 | 167                  |
| 01202   | R     | 12               | 2   | 1,2   | 20   | 37 | 5   | 28 | 29 | 24    |     | - | -   | -   | 4               | 3,28                |                      | 216                  |
| 01402   | R     | 14               | 2   |       | 21   | 40 | 6   | 23 | 31 | 26    | 5,5 | - | -   | -   |                 | 3,48                | 10,3                 | 235                  |

\* Antal kanaler

P= Stigning

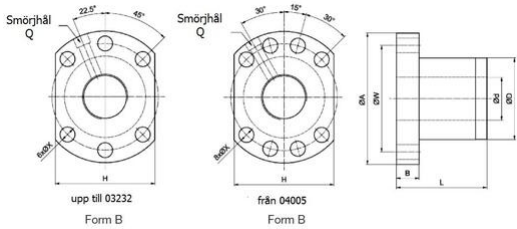


| Storlek | Gänga | Dimensioner (mm) |    |       |      |    |    |    |   |       |     | Nr* | Belastning (kn)     |                       | förspänning K (N/µm) |
|---------|-------|------------------|----|-------|------|----|----|----|---|-------|-----|-----|---------------------|-----------------------|----------------------|
|         |       | d                | p  | Kul-Ø | D g6 | L  | L1 | L2 | M |       | R   |     | dyn. C <sub>a</sub> | Stat. C <sub>a0</sub> |                      |
| 01604-4 | R     | 16               | 4  | 2,381 | 30   | 40 | 9  | 15 | 3 | ±0,05 | 1,5 | 4   | 9,54                | 23,59                 | 314                  |
| 01605-4 | R/L   |                  | 5  | 3,175 |      | 45 |    | 20 | 5 | ±0,05 | 3   |     | 13,53               | 29,93                 | 324                  |
| 02004-4 | R     | 20               | 4  | 2,381 | 34   | 40 |    | 15 | 3 | ±0,05 | 1,5 |     | 10,15               | 29,29                 | 363                  |
| 02005-4 | R/L   |                  | 5  | 3,175 |      | 45 |    | 20 | 5 | ±0,05 | 3   |     | 15,2                | 38                    | 382                  |
| 02504-4 | R     | 25               | 4  | 2,381 | 40   | 40 |    | 15 | 3 | ±0,05 | 1,5 |     | 11,58               | 37,22                 | 422                  |
| 02505-4 | R/L   |                  | 5  | 3,175 |      | 45 |    | 20 | 5 | ±0,05 | 3   |     | 16,91               | 48,09                 | 441                  |
| 02510-4 | R     |                  | 10 | 4,762 | 46   | 85 | 13 | 30 |   | ±0,05 |     |     | 28,96               | 71,54                 | 500                  |
| 03204-4 | R     | 32               | 4  | 2,381 |      | 40 | 9  | 15 | 3 | ±0,05 | 1,5 |     | 12,71               | 47,44                 | 481                  |
| 03205-4 | R/L   |                  | 5  | 3,175 |      | 45 |    | 20 | 5 | ±0,05 | 3   |     | 18,85               | 62,21                 | 510                  |
| 03210-4 | R     |                  | 10 | 6,35  | 54   | 85 | 13 | 30 |   | ±0,05 |     |     | 47,12               | 119,72                | 608                  |
| 04005-4 | R/L   | 40               | 5  | 3,175 | 56   | 45 | 9  | 20 |   | ±0,05 |     |     | 20,69               | 78,34                 | 579                  |
| 04010-4 | R/L   |                  | 10 | 6,35  | 62   | 85 | 13 | 30 |   | ±0,05 |     |     | 52,95               | 152                   | 706                  |
| 05010-4 | R     | 50               |    |       | 72   |    |    |    |   | ±0,05 |     |     | 58,88               | 192,35                | 814                  |
| 06310-4 | R     | 63               |    |       | 85   |    |    |    | 6 | ±0,05 | 3,5 |     | 56,89               | 248,58                | 932                  |
| 08010-4 | R     | 80               |    |       | 105  |    |    |    | 8 | ±0,10 | 4,5 |     | 72,04               | 313,36                | 1069                 |

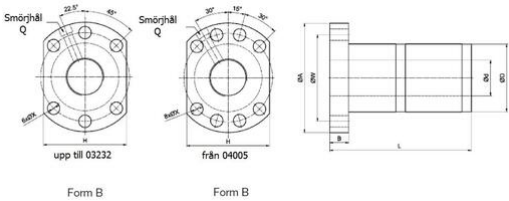
\* Antal kanaler

P= Stigning

Mutter typ SC-DC



| Storlek         | Gånga | Dimensioner (mm) |    |           |         |     |    |     |    |    |       |     |       | Nr*   | Belastning (kn)     |                      | förspänning<br>K (N/µm) |
|-----------------|-------|------------------|----|-----------|---------|-----|----|-----|----|----|-------|-----|-------|-------|---------------------|----------------------|-------------------------|
|                 |       | D                | p  | Kul-<br>Ø | D<br>g6 | A   | B  | L   | W  | H  |       | X   | Q     |       | dyn. C <sub>a</sub> | Stat.C <sub>a0</sub> |                         |
| 01205-2,8       | R     | 12               | 5  | 2,5       | 24      | 40  | 10 | 31  | 32 | 30 | ±0,1  | 4,5 | -     | 2,8x1 | 6,49                | 12,9                 | 186                     |
| 01605-3,8       | R     | 15               |    | 2,778     | 28      | 48  |    | 38  | 38 | 40 | ±0,15 | 5,5 | M6x1P | 3,8x1 | 10,9                | 24,59                | 294                     |
| 01610-2,8       | R     |                  | 10 |           |         |     |    | 47  |    |    |       |     |       | 2x8x1 | 8,23                | 17,86                | 226                     |
| 01616-1,8       | R     |                  | 16 |           |         |     |    | 45  |    |    |       |     |       | 1,8x1 | 5,42                | 11,15                | 137                     |
| 01616-2,8       | R     |                  |    |           |         |     |    | 61  |    |    |       |     |       | 2,8x1 | 7,92                | 17,34                | 216                     |
| 01620-1,8       | R     |                  | 20 |           |         |     |    | 57  |    |    |       |     |       | 1,8x1 | 5,43                | 11,47                | 137                     |
| 02005-3,8       | R     | 20               | 5  | 3,175     | 36      | 58  |    | 40  | 47 | 44 |       | 6,6 |       | 3,8x1 | 15,55               | 36,1                 | 363                     |
| 02010-3,8       | R     |                  | 10 |           |         |     |    | 60  |    |    |       |     |       |       | 14,87               | 37,59                | 392                     |
| 02020-1,8       | R     |                  | 20 |           |         |     |    | 57  |    |    |       |     |       | 1,8x1 | 7,96                | 17,24                | 186                     |
| 02020-2,8       | R     |                  |    |           |         |     |    | 77  |    |    |       |     |       | 2,8x1 | 10,96               | 26,81                | 284                     |
| 02505-3,8       | R     | 25               | 5  |           | 40      | 62  |    | 40  | 51 | 48 |       |     |       | 3,8x1 | 16,18               | 45,68                | 422                     |
| 02510-3,8       | R     |                  | 10 |           |         |     | 12 | 62  |    |    |       |     |       |       | 16,06               | 45,43                | 441                     |
| 02525-1,8       | R     |                  | 25 |           |         |     |    | 70  |    |    |       |     |       | 1,8x1 | 8,26                | 21,57                | 2156                    |
| 02525-2,8       | R     |                  |    |           |         |     |    | 95  |    |    |       |     |       | 2,8x1 | 12,08               | 33,55                | 333                     |
| 03205-3,8       | R     | 32               | 5  |           | 50      | 80  |    | 42  | 65 | 62 |       | 9   |       | 3,8x1 | 18,03               | 59,1                 | 500                     |
| 03210-3,8       | R     | 21               | 10 | 3,969     |         |     | 13 | 62  |    |    |       |     |       |       | 24,13               | 71,15                | 539                     |
| 03220-2,8       | R     |                  | 20 |           |         |     | 12 | 80  |    |    |       |     |       | 2,8x1 | 18,7                | 53,76                | 422                     |
| 03232-1,8       | R     |                  | 32 |           |         |     | 13 | 84  |    |    |       |     |       | 1,8x1 | 12,33               | 33,6                 | 265                     |
| 03232-2,8       | R     |                  |    |           |         |     |    | 116 |    |    |       |     |       | 2,8x1 | 18,02               | 52,3                 | 412                     |
| 04005-3,8       | R     | 40               | 5  | 3,175     | 63      | 93  | 15 | 45  | 78 | 70 |       |     | M8x1P | 3,8x1 | 19,8                | 74,42                | 588                     |
| 04010-3,8       | R     | 38               | 10 | 6,35      |         |     | 14 | 63  |    |    |       |     |       |       | 49,37               | 136,73               | 657                     |
| 04020-2,8       | R     |                  | 20 |           |         |     |    | 82  |    |    |       |     |       | 2,8x1 | 38,82               | 105,08               | 533                     |
| 04040-1,8       | R     |                  | 40 |           |         |     | 15 | 105 |    |    |       |     |       | 1,8x1 | 25,35               | 65,19                | 333                     |
| 04040-2,8       | R     |                  |    |           |         |     |    | 145 |    |    |       |     |       | 2,8x1 | 37,07               | 101,41               | 510                     |
| 05005-3,8       | R     | 50               | 5  | 3,175     | 75      | 110 | 45 | 93  | 85 |    | 11    |     |       | 3,8x1 | 21,65               | 93,58                | 667                     |
| 05010-3,8       | R     | 48               | 10 | 6,35      |         |     | 18 | 68  |    |    |       |     |       |       | 55,29               | 175,07               | 775                     |
| 05020-3,8       | R     |                  | 50 |           |         |     |    | 108 |    |    |       |     |       |       | 56,38               | 181,27               | 853                     |
| * Antal kanaler |       |                  |    |           |         |     |    |     |    |    |       |     |       |       |                     |                      |                         |
| P= Stigning     |       |                  |    |           |         |     |    |     |    |    |       |     |       |       |                     |                      |                         |



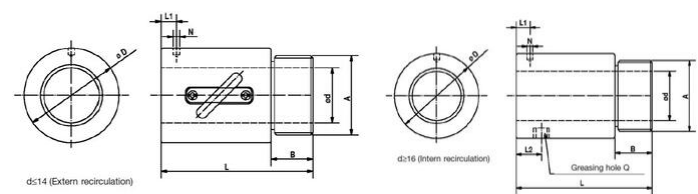


| Storlek         | Gånga | Dimensioner (mm) |    |       |      |     |     |       |       |        |       |        |        | Nr*    | Belastning (kn)     |                      | förspänning K (N/µm) |
|-----------------|-------|------------------|----|-------|------|-----|-----|-------|-------|--------|-------|--------|--------|--------|---------------------|----------------------|----------------------|
|                 |       | D                | p  | Kul-Ø | D g6 | A   | B   | L     | W     | H      |       | X      | Q      |        | dyn. C <sub>a</sub> | Stat.C <sub>a0</sub> |                      |
| 01604-4         | R     | 16               | 4  | 2,381 | 28   | 48  | 10  | 80    | 38    | 40     | ±0,15 | 5,5    | M6     | 4      | 9,54                | 23,59                | 421                  |
| 01605-4         | R/L   |                  | 5  | 3,175 |      |     |     | 100   | 13,53 | 29,93  |       |        |        |        | 431                 |                      |                      |
| 01610-3         | R     |                  | 10 | 118   |      |     |     | 10,82 | 23,55 | 343    |       |        |        |        |                     |                      |                      |
| 02004-4         | R     | 20               | 4  | 2,381 | 36   | 58  |     | 80    | 47    | 44     |       | 6,6    |        | 4      | 10,45               | 29,29                | 500                  |
| 02005-4         | R/L   |                  | 5  | 3,175 |      |     |     | 101   | 15,21 | 38     |       |        |        |        | 519                 |                      |                      |
| 02504-4         | R     | 25               | 4  | 2,381 | 40   | 62  |     | 80    | 51    | 48     |       |        |        |        | 11,58               | 37,22                | 588                  |
| 02505-4         | R/L   |                  | 5  | 3,175 |      |     |     | 101   | 16,91 | 48,09  |       |        |        |        | 608                 |                      |                      |
| 02510-4         | R     |                  | 10 | 4,762 |      |     |     | 12    | 145   | 28,96  |       |        |        |        | 71,54               | 657                  |                      |
| 03204-4         | R     | 32               | 4  | 2,381 | 50   | 80  |     | 80    | 65    | 62     |       | 9      |        |        | 12,71               | 47,44                | 696                  |
| 03205-4         | R/L   |                  | 5  | 3,175 |      |     |     | 102   | 18,85 | 62,21  |       |        |        |        | 725                 |                      |                      |
| 03210-4         | R/L   |                  | 10 | 6,35  |      |     |     | 162   | 47,12 | 119,72 |       |        |        |        | 804                 |                      |                      |
| 04005-4         | R/L   | 40               | 5  | 3,175 | 63   | 93  | 14  | 105   | 78    | 70     |       |        |        |        | 20,69               | 78,34                | 853                  |
| 04010-4         | R/L   |                  | 10 | 6,35  |      |     |     | 165   | 52,95 | 152    |       |        |        |        | 970                 |                      |                      |
| 05010-4         | R/L   | 50               |    |       | 75   | 110 | 16  | 171   | 93    | 85     |       | 11     |        |        | 59,88               | 192,35               | 1147                 |
| 06310-4         | R     | 63               |    |       | 90   | 125 | 18  | 182   | 108   | 95     |       |        |        |        | 65,89               | 248,68               | 1362                 |
| 06320-4         | R     |                  | 20 | 9,525 | 95   | 135 | 20  | 290   | 115   | 100    | 13,5  | 112,23 | 359,44 | 1490   |                     |                      |                      |
| 08010-4         | R     |                  | 80 | 10    | 6,35 | 105 | 145 |       | 182   | 125    | 110   |        | 72,04  | 313,36 | 1529                |                      |                      |
| 08020-4         | R     |                  | 20 | 9,525 | 125  | 165 | 25  | 295   | 145   | 130    | ±0,20 |        |        |        | 126,61              | 468,24               | 1833                 |
| * Antal kanaler |       |                  |    |       |      |     |     |       |       |        |       |        |        |        |                     |                      |                      |
| P= Stigning     |       |                  |    |       |      |     |     |       |       |        |       |        |        |        |                     |                      |                      |

## Mutter typ SE-SH

| Storlek         | Gänga | Dimensioner (mm) |    |       |      |     |      |    |     |     |    |       |     |    | Nr*   | Belastning (kn)     |                      | förspänning K (N/µm) |
|-----------------|-------|------------------|----|-------|------|-----|------|----|-----|-----|----|-------|-----|----|-------|---------------------|----------------------|----------------------|
|                 |       | D                | p  | Kul-Ø | D g6 | A   | E    | B  | L   | W   | H  |       | X   | Q  |       | dyn. C <sub>a</sub> | Stat.C <sub>a0</sub> |                      |
| 01616-3         | R     | 16               | 16 | 2,778 | 32   | 53  | 10,1 | 10 | 38  | 42  | 34 | ±0,15 | 4,5 | M6 | 1,7x2 | 10,01               | 23,62                | 284                  |
| 01616-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 18,18               | 47,25                | 559                  |
| 02020-3         | R     | 20               | 20 | 3,175 | 39   | 62  | 12   |    | 47  | 50  | 41 |       | 5,5 |    | 1,7x2 | 12,95               | 32,56                | 343                  |
| 02020-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 23,51               | 65,12                | 657                  |
| 02525-3         | R     | 25               | 25 | 3,969 | 47   | 74  | 14   | 12 | 57  | 60  | 49 |       | 6,6 |    | 1,7x2 | 19,36               | 50,88                | 421                  |
| 02525-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 35,14               | 101,76               | 813                  |
| 03232-3         | R     | 32               | 32 | 4,762 | 58   | 92  | 17   |    | 71  | 74  | 60 |       | 9   |    | 1,7x2 | 28,21               | 80,48                | 529                  |
| 03232-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 51,93               | 160,96               | 1039                 |
| 04040-3         | R     | 40               | 40 | 6,35  | 73   | 114 | 19,5 | 15 | 89  | 93  | 75 |       | 11  |    | 1,7x2 | 45,11               | 130,24               | 647                  |
| 04040-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 81,87               | 260,48               | 1254                 |
| 05050-3         | R     | 50               | 50 | 7,938 | 90   | 135 | 21,5 | 20 | 107 | 112 | 92 |       | 14  |    | 1,7x2 | 63,86               | 190,54               | 784                  |
| 05050-6         | R     |                  |    |       |      |     |      |    |     |     |    |       |     |    | 1,7x4 | 115,92              | 381,08               | 1519                 |
| * Antal kanaler |       |                  |    |       |      |     |      |    |     |     |    |       |     |    |       |                     |                      |                      |
| P= Stigning     |       |                  |    |       |      |     |      |    |     |     |    |       |     |    |       |                     |                      |                      |



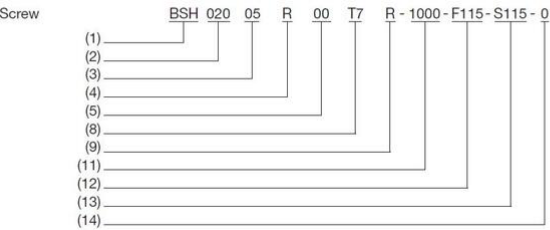
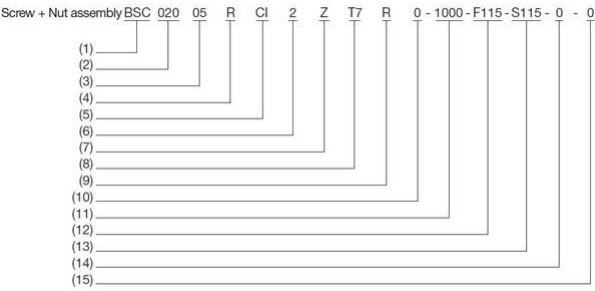


| Storlek         | Gånga | Dimensioner (mm) |     |       |      |          |     |      |       | Nr*   |     |   |    | Belastning (kn) |       | förspänning K (N/μm) |     |
|-----------------|-------|------------------|-----|-------|------|----------|-----|------|-------|-------|-----|---|----|-----------------|-------|----------------------|-----|
|                 |       | D                | p   | Kul-Ø | D    | A        | B   | L    | L1    |       |     |   |    | N               | L2    |                      | Q   |
| 0082,5          | R     | 8                | 2,5 | 1,2   | 17,5 | M15x1P   | 7,5 | 23,5 | ±0,15 | 10    | 3   | - | -  | 2,5x1           | 1,85  | 3,73                 | 108 |
| 01002           | R     | 10               | 2   |       | 19,5 | M17x1P   |     | 22   |       | 3     | 3,2 | - | -  | 3,5x1           | 2,72  | 6,51                 | 167 |
| 01004           | R     |                  | 4   | 2     | 25   | M20x1P   | 10  | 34   |       | 3     | 3   | - | -  | 2,5x1           | 3,92  | 7,39                 | 137 |
| 01204           | R     | 12               |     | 2,5   | 25,5 |          |     |      |       | 13    |     | - | -  | 3,5x1           | 7,88  | 16,16                | 226 |
| 01205           | R     |                  | 5   |       |      |          |     | 39   |       | 16,25 |     | - | -  |                 | 7,85  | 16,11                | 235 |
| 01404           | R     | 14               | 4   | 2,381 | 32,1 | M25x1,5P |     | 35   |       | 13    |     | - | -  |                 | 7,88  | 17,67                | 255 |
| 01604           | R     |                  | 16  |       | 29   | M22x1,5P | 8   | 32   |       | 4     | 3,2 | - | -  | 3x1             | 7,44  | 17,68                | 235 |
| 01605           | R     |                  | 5   | 3,175 | 32,5 | M26x1,5P | 12  | 42   |       | 19,25 | 3   | - | -  |                 | 10,56 | 22,43                | 245 |
| 02005           | R     |                  | 20  |       | 38   | M35x1,5P | 15  | 45   |       | 20,3  |     | - | -  |                 | 11,87 | 28,48                | 294 |
| 02505           | R     |                  | 25  |       | 43   | M40x1,5P | 19  | 69   |       | 32,11 |     | 8 | M6 | 4x1             | 16,89 | 48,06                | 363 |
| * Antal kanaler |       |                  |     |       |      |          |     |      |       |       |     |   |    |                 |       |                      |     |
| P= Stigning     |       |                  |     |       |      |          |     |      |       |       |     |   |    |                 |       |                      |     |

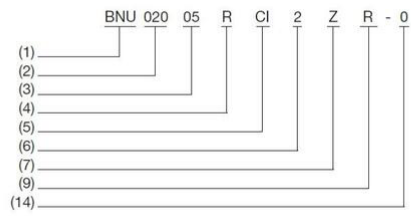
## Guide beställningsnummer

|   |                                         |                                              |
|---|-----------------------------------------|----------------------------------------------|
| 1 | Typ                                     |                                              |
|   | BSC                                     |                                              |
|   | BSH                                     |                                              |
|   | BNU                                     |                                              |
| 2 | Nominell diameter (mm)                  |                                              |
| 3 | Stigning                                |                                              |
| 4 | Stigning                                |                                              |
|   | R= Höger                                |                                              |
|   | L= Vänster                              |                                              |
| 5 | Typ av mutter                           |                                              |
|   | CI                                      | Enkel cylindrisk mutter                      |
|   | SK                                      | Enkel mutter med fläns, mini                 |
|   | SE                                      | Enkel mutter med fläns (stor stigning)       |
|   | SC                                      | Enkel mutter med fläns kompakt enl DIN69051  |
|   | DC                                      | Dubbel mutter med fläns kompakt enl DIN69051 |
|   | SU                                      | Enkel mutter med fläns enl DIN69051          |
|   | DU                                      | Dubbel mutter med fläns enl DIN69051         |
|   | SH                                      | Enkel gängad mutter                          |
|   | Typkod endast kulkruv                   |                                              |
|   | Kulkruv för kompakt mutter enl DIN std. |                                              |
|   | Kulkruv för specialmutter               |                                              |
| 6 | Antal kulkretsar                        |                                              |
| 7 | Typ av fläns                            |                                              |
|   | A                                       | DIN69051 sektion 5 form A                    |
|   | B                                       | DIN69051 sektion 5 form B                    |
|   | C                                       | DIN69051 sektion 5 form C                    |
|   | Z                                       | Cylindrisk mutter                            |

|                                           |                                                        |                                                        |
|-------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
|                                           |                                                        |                                                        |
| 8                                         | Precisionsklass                                        |                                                        |
| T0, T1, T2, T3, T4, T5, T7 (i lager), T10 |                                                        |                                                        |
|                                           |                                                        |                                                        |
| 9                                         | Typ                                                    |                                                        |
|                                           | G                                                      | Slipad skruv                                           |
|                                           | R                                                      | Rullformad skruv                                       |
|                                           |                                                        |                                                        |
| 10                                        | Förspänningsklass                                      |                                                        |
|                                           | 0                                                      | Standard axiellt spel                                  |
|                                           | 1                                                      | Utan axiellt spel                                      |
|                                           | 2                                                      | Låg förspänning                                        |
|                                           | 3                                                      | Medium förspänning                                     |
|                                           | 4                                                      | Hög förspänning                                        |
|                                           |                                                        |                                                        |
| 11                                        | Totallängd (mm)                                        |                                                        |
|                                           |                                                        |                                                        |
| 12                                        | Utförande höger skruvände                              |                                                        |
|                                           | F, S                                                   | Form F, S (X enl kundritning , (0 utan ändbearbetning) |
|                                           | 1, 2                                                   | Modell enl std                                         |
|                                           | 6...60                                                 | Diameter lageryta                                      |
|                                           |                                                        |                                                        |
| 13                                        | Utförande vänster skruvände, se nr 12, höger skruvände |                                                        |
|                                           |                                                        |                                                        |
| 14                                        | Smörjning                                              |                                                        |
|                                           | 0                                                      | Standard                                               |
|                                           | 1                                                      | Korrosionsförebyggande                                 |
|                                           | 2                                                      | Enl kund std                                           |
|                                           |                                                        |                                                        |
| 15                                        | Special                                                |                                                        |
|                                           | 0                                                      | Ej special, standard                                   |
|                                           | 1                                                      | Med beaktning av vridmoment                            |
|                                           | 2                                                      | Med beaktning av stigningsfel                          |
|                                           |                                                        |                                                        |



Nut



## Cad

För cadfiler, se [Tracepartsonline.net](http://Tracepartsonline.net)