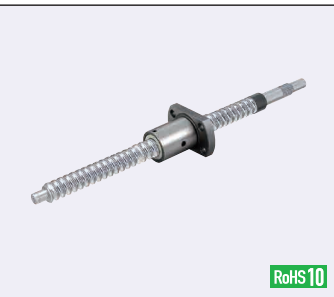


# Rolled Ball Screws Standard Nut - Shaft Dia. 8; Lead 2

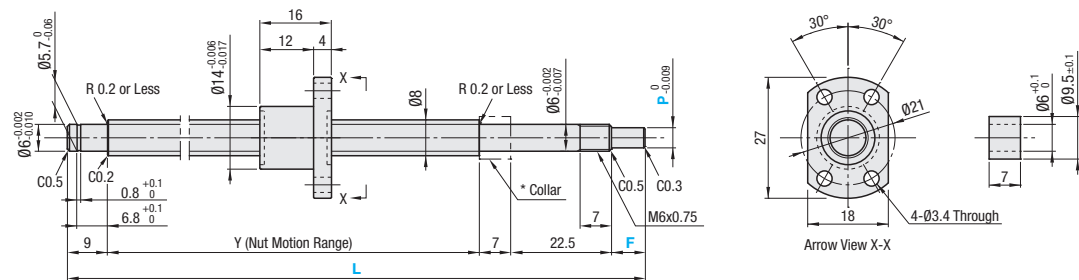
## Accuracy Grade C10

**Points of comparison between similar products** | C-VALUE parts' load rating and nut dimensions are different from similar parts. (For details, see **P677~P679**)  
When considering C-VALUE parts, choose by comparing the specifications against similar parts.



| Nut Type     | Type     |                   | Accuracy Grade | Shaft Dia. | Lead | Screw Shaft      |                             |                     | Nut              |                     |                     |
|--------------|----------|-------------------|----------------|------------|------|------------------|-----------------------------|---------------------|------------------|---------------------|---------------------|
|              | Standard | F, P Configurable |                |            |      | M Material       | H Hardness                  | S Surface Treatment | M Material       | H Hardness          | S Surface Treatment |
| Standard Nut | C-BSSC   | C-BSSCK           | C10            | 8          | 2    | EN 1.1203 Equiv. | Induction Hardened 58~62HRC | -                   | EN 1.7242 Equiv. | Carburized 58~62HRC | -                   |

C-BSSC (K) 0802



\* Included Collar (1 pc.)  
M Material: EN 1.1191 Equiv.  
S Surface Treatment: Black Oxide

| Nut Type     | Accuracy Grade | Part Number |                  | 1mm Increment |         | Y          | Ball Dia. | Ball Center Dia. | Screw Root Dia. | Number of Circuits | Basic Load Rating |                | Axial Play   | Twisting Direction |
|--------------|----------------|-------------|------------------|---------------|---------|------------|-----------|------------------|-----------------|--------------------|-------------------|----------------|--------------|--------------------|
|              |                | Type        | Screw Shaft O.D. | Lead          | L       |            |           |                  |                 |                    | C (Dynamic) kN    | Co (Static) kN |              |                    |
| Standard Nut | C10            | C-BSSC      | 08               | 02            | 100~400 | L-46       | 1.2       | 8.41             | (7.21)          | 1 turn, 3 rows     | 1.2               | 2.1            | 0.05 or Less | Right              |
|              |                | C-BSSCK     |                  |               |         | L-(38.5+F) |           |                  |                 |                    |                   |                |              |                    |

\* F and P are configurable for C-BSSCK only.  $F \leq P \times 3$  kgf=Nx0.101972

| Nut Type     | Accuracy Grade | Part Number | Unit Price 1 ~ 4 pc(s). |          |
|--------------|----------------|-------------|-------------------------|----------|
|              |                |             | L100~200                | L201~400 |
| Standard Nut | C10            | C-BSSC0802  |                         |          |

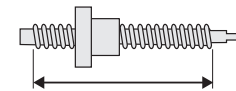
**Ordering Example**  
Part Number - L - F - P  
C-BSSC0802 - 200  
C-BSSCK0802 - 200 - FS - P4

Similar parts listed page **P.687~690**

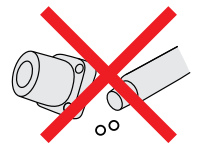
### Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- For accuracy of Ball Screws, see **P2223** and **P2224**.
- For details of Support Units, see **P753 ~ P778**.
- Cautions:** Do not let the nuts overrun or remove the nuts from the screw shafts.  
It may cause the balls to fall out or damage the ball recirculation parts.
- Use the "\*" collar" position in the diagram for the accessory collar.  
Use one of the support unit accessory collars on the fastening nut side.
- Do not tilt the ball screw assembly since the nut may spin off from the shaft due to its own weight.

<Do not let a nut overrun>



<Do not take a nut off>



Alterations

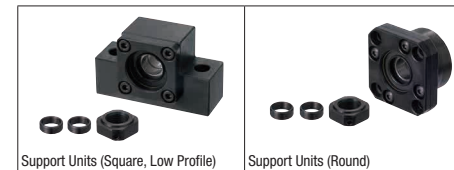


Part Number - L - F - P - (FC, SC...etc.)  
C-BSSC0802 - 280 - SC5

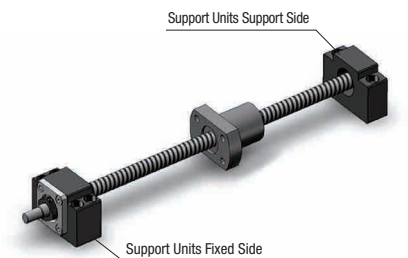
| Alterations  | Code | Spec.   |
|--|------|---|
| No Machining on Support Side Shaft End<br>   | NC   | No machining added on the support side shaft end.<br>Ordering Code NC   |
| Ball Nut Orientation Reversed<br>Std. (Support Side) (Fixed Side)<br>Revised (Fixed Side) (Support Side)<br> | RLC  | Changes the nut direction.<br>Ordering Code RLC   |
| No Retaining Ring Groove on Support Side Shaft End<br>   | RNC  | Retaining ring groove is not machined on the support side shaft end.<br>Ordering Code RNC<br>Combination with FC is not available.                            |
| Change Support Side Shaft End Length<br>   | FC   | Changes the length of the support side shaft end.<br>FC=1mm Increment<br>Ordering Code EN-JL 1030 Equiv.<br>$10 \leq FC \leq 20$<br>Y dimension is shortened. |

| Alterations                                  | Code    | Spec.  |
|--|---------|--|
| Wrench Flats on Fixed Side Shaft End<br>     | SZC     | Adds wrench flats on the fixed side shaft end.<br>Ordering Code SZC<br>Ball bearings will fall out if the ball nut crosses the wrench flats.                             |
| Flat Machined on Fixed Side Shaft End<br>    | SC      | Adds a flat on the fixed side shaft end.<br>SC=1mm Increment<br>Ordering Code SC5<br>$5 \leq SC \leq 12$ SC=F-1  |
| 2 Flats Machined on Fixed Side Shaft End<br> | SWC SGC | Adds two flats on the fixed side shaft end.<br>JIS-SWC: 90° Position SGC: 120° Position<br>1mm Increment<br>Ordering Code SWC6<br>$5 \leq SWC, SGC \leq 12$ SWC, SGC=F-1 |

**Peripherals:** Combination of the following parts is available.



Support Units (Square, Low Profile) Support Units (Round)



**Combination with Support Units**

| Ball Screw Part Number |                  |      | Recommended Support Unit |     |        |            |              |
|------------------------|------------------|------|--------------------------|-----|--------|------------|--------------|
| Type                   | Screw Shaft O.D. | Lead | Part Number Type         | No. | Shape  | Fixed Side | Support Side |
| C-BSSC                 | 08               | 02   | C-BSW                    | 6   | Square | ○          | P.763        |
|                        |                  |      | C-BUV                    | 6   |        | ○          | P.772        |
|                        |                  |      | C-BRW                    | 6   | Round  | ○          | P.769        |
|                        |                  |      | C-BUR                    | 6   |        | ○          | P.770        |

Other than the part numbers shown above, a wide variety of Support Units are also available. (P.761~P.778)