

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

Accuracy Grade C10

Similar parts listed page P.687~690

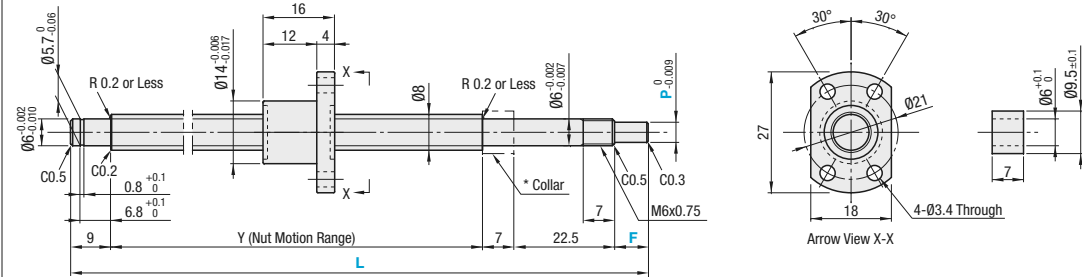
Points of comparison between similar products | C-VALUE parts' load rating and nut dimensions are different from similar parts. (For details, see P.677~P.679) | When considering C-VALUE parts, choose by comparing the specifications against similar parts.



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	-

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

C-BSSC (K) 0802



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						*F	*P			C (Dynamic) kN	Co (Static) kN
Standard Nut	C10	C-BSSC	08	02	100~400	7.5	4.5	L-46	1.2	8.41	(7.21)	1 turn, 3 rows	1.2	2.1	0.05 or Less	Right
		C-BSSCK				8~13	4, 4.5	L-(38.5+F)								

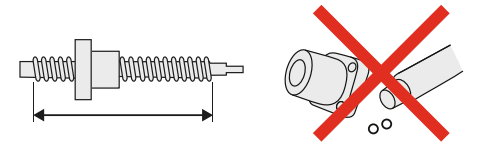
* F and P are configurable for C-BSSCK only. F≤Px3 kgf=Nx0.101972

Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- For accuracy of Ball Screws, see P.2223 and P.2224.
- For details of Support Units, see P.753 ~ P.778.
- Caution: 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>

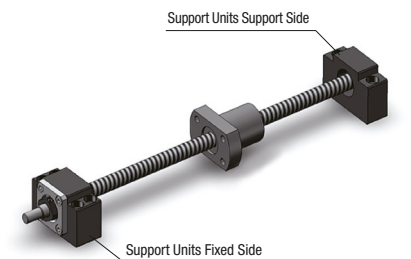
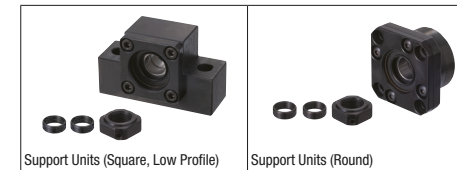


Alterations Part Number - L - F - P - (FC, SC--etc.)
 C-BSSC0802 - 280 - - - SC5

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

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

Peripherals: Combination of the following parts is available.



Combination with Support Units

Ball Screw Part Number	Recommended Support Unit							
	Type	Screw Shaft O.D.	Lead	Part Number Type	Shape	Fixed Side	Support Side	Page
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)

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