

Rolled Ball Screws Standard Nut - Shaft Dia. 10; Lead 2, 4

Accuracy Grade C10

Similar parts listed page P.693~P.696

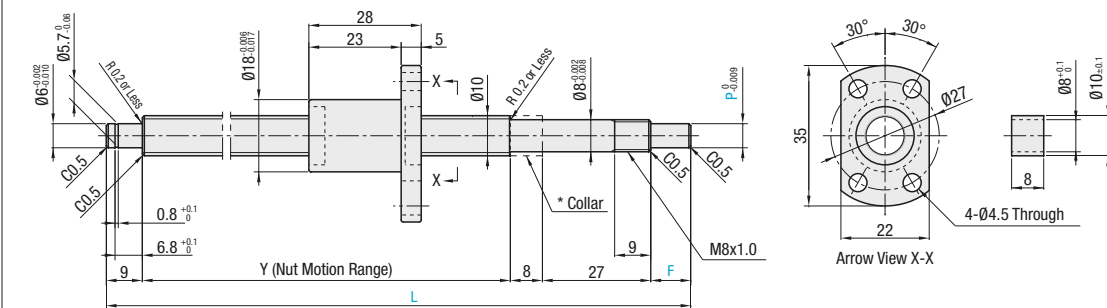
Points of comparison between similar products

C-VALUE parts' load rating and nut dimensions are different from similar parts. (For details, see P.679)
When considering C-VALUE parts, choose by comparing the specifications against similar parts. P.677, 678

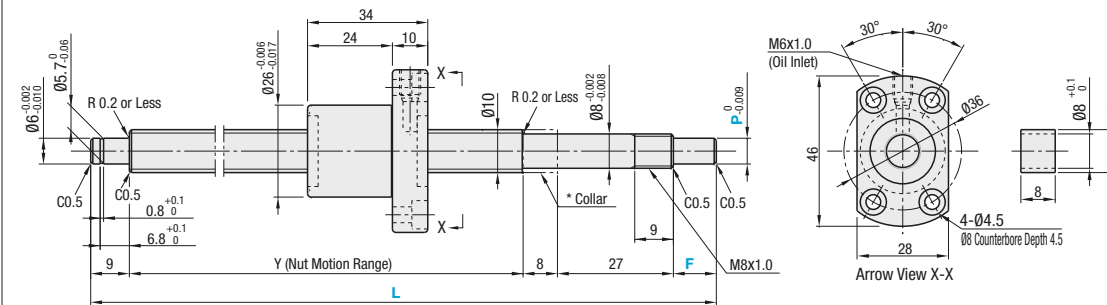


Nut Type	Type		Accuracy Grade	Shaft Dia.	Lead	Screw Shaft			Nut		
	Standard	F, P Configurable				M Material	H Hardness	S Surface Treatment	M Material	H Hardness	S Surface Treatment
Standard Nut	C-BSSC	C-BSSCK	C10	10	2, 4	EN 1.1203 Equiv.	Induction Hardened 58-62HRC	-	EN 1.7242 Equiv.	Carburized 58-62HRC	-

C-BSSC (K) 1002



C-BSSC (K) 1004



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	10	02	150~585	10	6	L-54	1.2	10.41	(9.21)	1 turn, 3 rows	1.2	2.1	0.05 or Less	Right
		C-BSSCK				10~18	5, 6	L-(44+F)								
		C-BSSC		04	150~600	10	6	L-54	1.6	3.4						
		C-BSSCK				10~18	5, 6	L-(44+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).		
			L150~200	L201~400	L401~600
Standard Nut	C10	C-BSSC1002 C-BSSC1004			

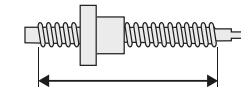


Ordering Example
Part Number - L - F - P
C-BSSC1004 - 500
C-BSSCK1002 - 1284 - F15 - P5

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>



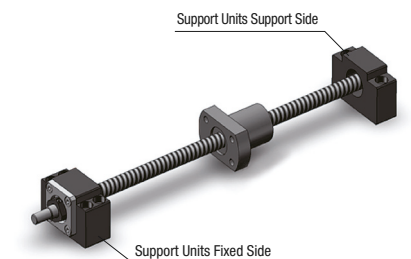
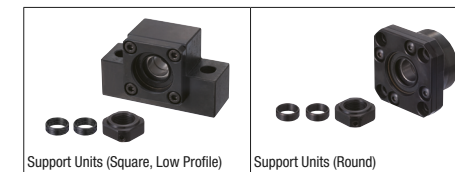
Alterations

Part Number - L - F - P - (FC, SC...etc.)
C-BSSC1004 - 270 - - SC7

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 (Support Side) (Fixed Side)	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	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

Type	Screw Shaft O.D.	Lead	Recommended Support Unit					
			Part Number Type	No.	Shape	Fixed Side	Support Side	Page
C-BSSC	10	02	C-BSW	8S	Square	○	○	P.763
			C-BUN	8		○	○	P.762
			C-BRW	8S	Round	○	○	P.769
			C-BUR	6		○	○	P.770
		04	C-BSW	8S	Square	○	○	P.763
			C-BUN	8S		○	○	P.762
			C-BRW	8S	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)