



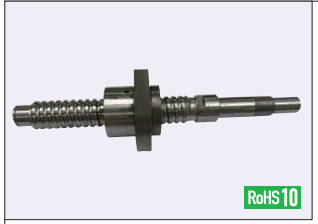
# Precision Ball Screws Standard Nut - Shaft Dia. 12; Lead 5, 10 (C-BSSH) Accuracy Grade C5

For how to select Ball Screws, see P. 2223

Similar Product Pages P. 711, P. 712

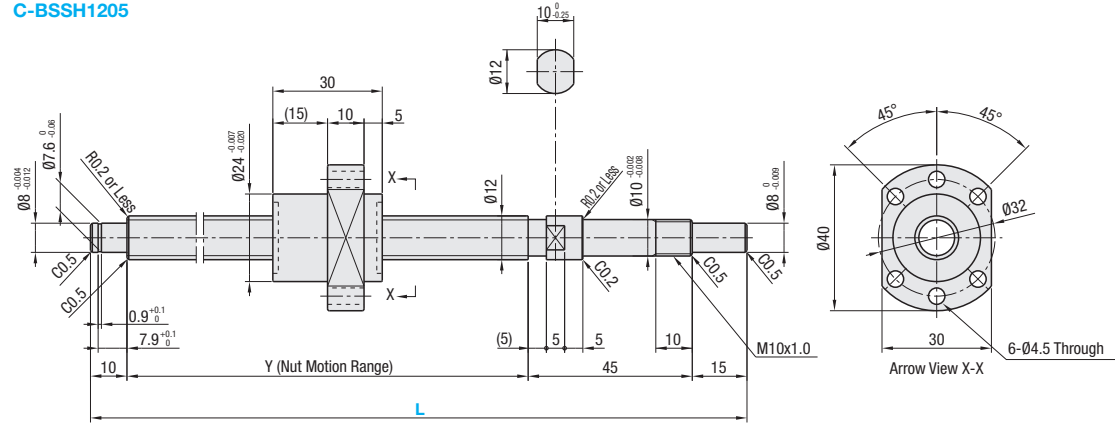
Points of comparison between similar products

Load rating, axial clearance and nut dimensions of C-VALUE products are different from those of similar products. (For details, see P. 771 to P. 712.)  
When opting for C-VALUE products, select them by comparing specifications of similar products.

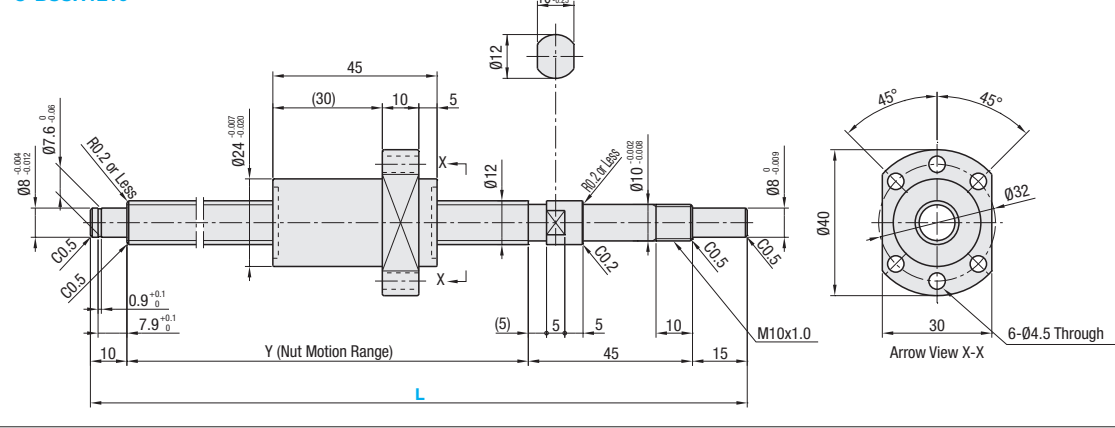


Nut Type	Type	Accuracy Grade	Shaft Dia.	Lead	Screw Shaft		Nut	
					Material	Hardness	Material	Hardness
Standard Nut	C-BSSH	C5	12	5, 10	EN 1.1203 Equiv.	Induction Hardened 58-62 HRC	EN 1.7242 Equiv.	Carburized 58-62 HRC

## C-BSSH1205



## C-BSSH1210



Nut Type	Accuracy Grade	Part Number		1 mm Increments	Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play	Preload Torque N-cm	Twisting Direction
		Type	Screw Shaft O.D.							C (Dynamic) kN	Co (Static) kN			
Standard Nut	C5	C-BSSH	12	05	L-70	2.5	12.3	(9.8)	2.8 turns 1 row	4.2	6.9	0.008 or less	1.0 or less 2.0 or less	Right
				10						200~600	2.7			

kgf = N x 0.101972

Nut Type	Accuracy Grade	Part Number	JPY Unit Price: 1 to 4 pc(s).				
			L150~200	L201~295	L296~400	L401~450	L451~600
Standard Nut	C5	C-BSSH1205					
		C-BSSH1210					

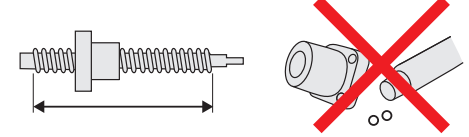
Ordering Example  
Part Number - L  
C-BSSH1205 - 200

### 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 to P. 778.
- 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.
- Note that, when a ball screw shaft or ball screw nut is tilted, it may fall out due to its own weight.
- The collar included with the Support Unit product should be installed and tightened on the nut side of the ball screw.

[Do not let a nut overrun]

[Do not take a nut off]

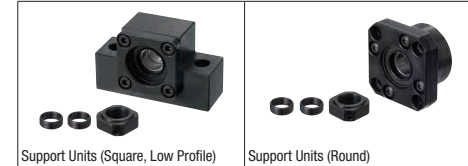


Alterations  
Part Number - L - (FC, KC...etc.)  
C-BSSH1205 - 386 - SWC13

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	No retaining ring groove is machined on the support side shaft end. Ordering Code: RNC Combination with FC is not available.									
Change Support Side Shaft End Machining	GC	Changes the machining on the support side. Q is selectable from 6 or 8. Y dimension is shortened. G = 1 mm Increments Ordering Code: GC-Q8-G20 5 ≤ G ≤ Q x 3 No Retaining Ring Groove Combination with FC is not available.									
Change Support Side Shaft End Length	FC	Changes the length of the support side shaft end. FC = 1 mm Increments Ordering Code: FC20 <table border="1"> <thead> <tr> <th>Size</th> <th>ℓ</th> <th>FC Range</th> </tr> </thead> <tbody> <tr> <td>1205</td> <td>7.9</td> <td>11 ≤ FC ≤ 20</td> </tr> <tr> <td>1210</td> <td></td> <td></td> </tr> </tbody> </table> Y dimension is shortened. Combination with GC is not available.	Size	ℓ	FC Range	1205	7.9	11 ≤ FC ≤ 20	1210		
Size	ℓ	FC Range									
1205	7.9	11 ≤ FC ≤ 20									
1210											

Alterations	Code	Spec.
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P. 684	KC	Adds a keyway on the fixed side shaft end. KC = 1 mm Increments Ordering Code: KC10 3 ≤ KC ≤ 14
Keyway on Fixed Side Shaft End	KLC	Adds a keyway at a customer specified area on the fixed side shaft end. (Keyway dim. is same as that of KC.) K, S = 1 mm Increments Ordering Code: KLC-K5-S1 4 ≤ K + S ≤ 14
Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. SC = 1 mm Increments Ordering Code: SC7 5 ≤ SC ≤ 14
2 Flats Machined on Fixed Side Shaft End	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position, SGC: 120° Position 1 mm Increments Ordering Code: SWC10 5 ≤ SWC/SGC ≤ 14

Peripherals: Combination with the following parts is available.



Combination with Support Units

Type	Screw Shaft O.D.	Lead	Ball Screw Part Number		Recommended Support Unit			
			Part Number	No.	Shape	Fixed Side	Support Side	Page
C-BSSH	12	05 10	C-BRW	10S	Round	○	○	P. 769
			C-BUR	10				P. 770
			C-BSW	10S	Square	○	○	P. 763
			C-BUN	10				P. 764

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

