

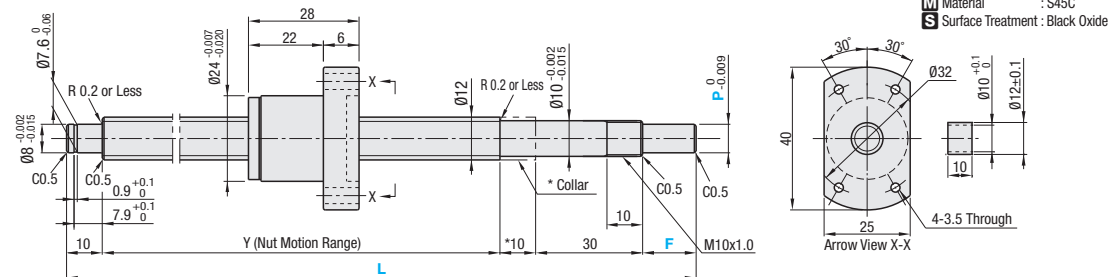
Points of comparison against similar products

For Load Rating and Nut dim., C-VALUE components are different from the similar products. (For details, see P742~P743.)
When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications.

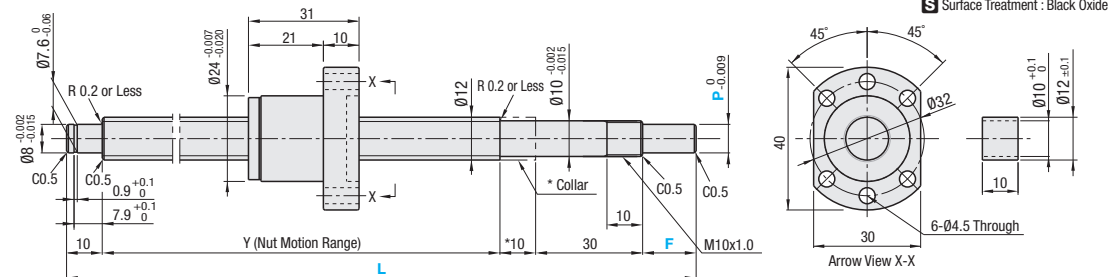
Similar Product Pages [P742~P743](#)



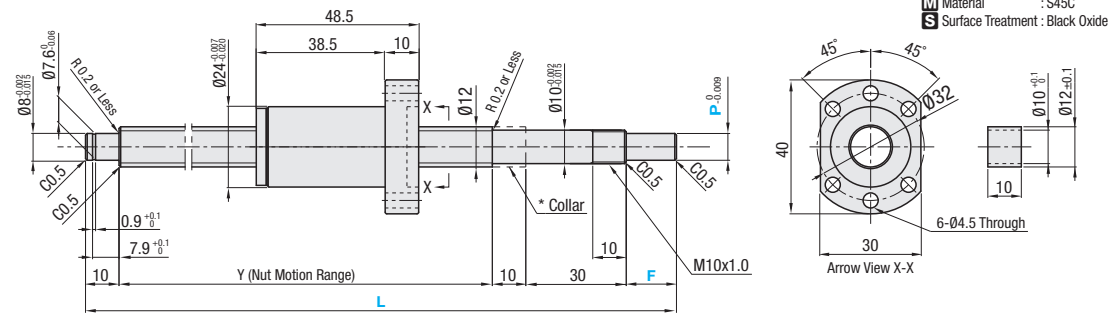
C-BSST(K), C-BSSC(K)1204



C-BSST(K), C-BSSC(K)1205



C-BSST(K), C-BSSC(K)1210



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 Clearance	Twist Direction					
		Type	Screw Shaft O.D.	Lead	L	*F	*P						C (Dynamic) kN	Co (Static) kN							
Standard Nut	C7	C-BSST	12	4	150~800	15	8	L-65	2.5	12.7	(10.2)	1 turn 3 rows	1.8	4.1	0.05 or Less	Right					
		C-BSSTK				15~24	5~8	L-(50+F)													
		C-BSSC				15	8	L-65													
	C-BSSCK	15~24				5~8	L-(50+F)														
	C10	C-BSST				15	8	L-65			12.3						(9.8)	2.8 turns 1 row	2	3.5	0.10 or Less
		C-BSSTK				15~24	5~8	L-(50+F)													
		C-BSSC				15	8	L-65													
	C7	C-BSSCK		5		15~24	5~8	L-(50+F)													
		C-BSST				15	8	L-65													
		C-BSSTK				15~24	5~8	L-(50+F)													
	C10	C-BSSC				15	8	L-65													
		C-BSSCK				15~24	5~8	L-(50+F)													
		C7		C-BSST		10		15		8		L-65									
	C-BSSTK			15~24				5~8		L-(50+F)											
	C-BSSC			15				8		L-65											
	C10	C-BSSCK		15~24				5~8		L-(50+F)											
C-BSST		15	8	L-65																	
C-BSSTK		15~24	5~8	L-(50+F)																	

* F and P are configurable for C-BSSCTK, C-BSSCK only. *Y (Nut Motion Range) > (Nut Overall Length)

kgf=Nx0.101972

Nut Type	Accuracy Grade	Part Number	Unit Price 1 ~ 4 pc(s).		
			L150~400	L401~600	L601~800
Standard Nut	C7	C-BSST1204			
	C10	C-BSSC1204			
	C7	C-BSST1205			
	C10	C-BSSC1205			
	C7	C-BSST1210			
	C10	C-BSSC1210			

* For the price of F, P Configurable Type, add the relevant surcharge to the standard type price.



Ordering Example

Part Number	-	L	-	F	-	P
C-BSSC1205	-	600				
C-BSSCK1205	-	1284	-	F20	-	P8

Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- For accuracy of Ball Screws, see P2285, 2286.
- For details of Support Units, see P771~P796.
- 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.
- The collar included with this product should be installed in the same position as indicated with the "" Collar" text on the drawing. In addition, the collar included with the Support Unit product should be installed and tightened on the nut side of the ball screw.
- Note that, when a ball screw shaft or ball screw nut is tilted, it may be fallen out by its own weight.



Alterations

Part Number	-	L	-	F	-	P	-	(FC, KC...etc.)
C-BSSC1205	-	270						SC7

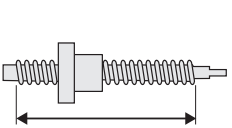
Alterations	Code	Spec.
No Machining on Both Shaft Ends (Annealing Range) 4-C Nut Temp Shaft	WNC	Does not machine any of the both shaft ends. (Ordering Code) WNC-S20-F80 * Annealing may lower hardness on the annealed area + 25mm fore and aft. * S+F≤L/2 * L-(S+F)≤Y+50 * On the annealed area + 25mm fore and aft, axis run-out may be larger than indicated by the Catalog standard.
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) Standard Change	RLC	Changes the nut direction. (Ordering Code) RLC
No Retaining Ring Groove on Support Side Shaft End	RNC	No Retaining Ring Groove on 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. G=1mm Increment (Ordering Code) GC-08-G20 * 5≤G≤Qx3 * Y dimension is shortened. * 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=1mm Increment (Ordering Code) FC20 * 11≤FC≤20 * Y dimension is shortened. * Combination with GC is not available.

Combination with Support Units

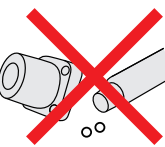
Ball Screw Part Number			Recommended Support Unit			
Type	Screw Shaft O.D.	Lead	Part Number Type No.	Shape	Fixed Side	Support Side Page
C-BSSC	12	05 10	C-BSW 10S	Square	○	P781
			C-BUN 10		○	P782
			C-BRW 10S	Round	○	P787
			C-BUR 10		○	P788

* Other than the part numbers shown above, a rich variety of Support Units are also available. (P779~P796)

<Do not let a nut overrun>

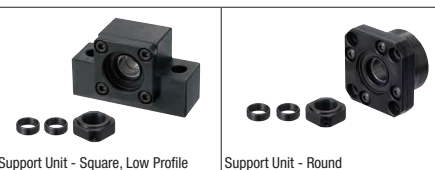


<Do not take a nut off>



Alterations	Code	Spec.
Wrench Flats on Fixed Side 8-8.2	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.
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P700	KC	Adds a keyway on the fixed side shaft end. * Not applicable when P=5. KC=1mm Increment (Ordering Code) KC10 * 3≤KC≤Px3 KC≤F-1
Keyway on Fixed Side Shaft End K S	KLC	Adds a keyway at a customer specified area on the fixed side shaft end. (Keyway dim. is same as that of KC.) * Not applicable when P=5. K, S=1mm Increment (Ordering Code) KLC-K5-S2 * 4≤K+S≤Px3 K+S≤F-1
Flat Machined on Fixed Side Shaft End SC 0.5	SC	Adds a flat on the fixed side shaft end. SC=1mm Increment (Ordering Code) SC7 * 5≤SC≤Px3 SC≤F-1
2 Flats Machined on Fixed Side Shaft End SWC SGC 0.5	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position SGC: 120° Position 1mm Increment (Ordering Code) SWC7 * 5≤SWC, SGC≤Px3 SWC, SGC≤F-1
Installing Special Temporary Shaft Temporary Shaft Nut Screw Shaft	TAS	Special Temporary Shafts suitable with Ball Screws are installed. When removing Nut from Screw Shaft, always use Special Temporary Shaft. * For installation method, see P701.

Peripherals: Combination of the following parts is available.



* Any nut bracket is not available as the product compatible with C-VALUE Ball Screws.