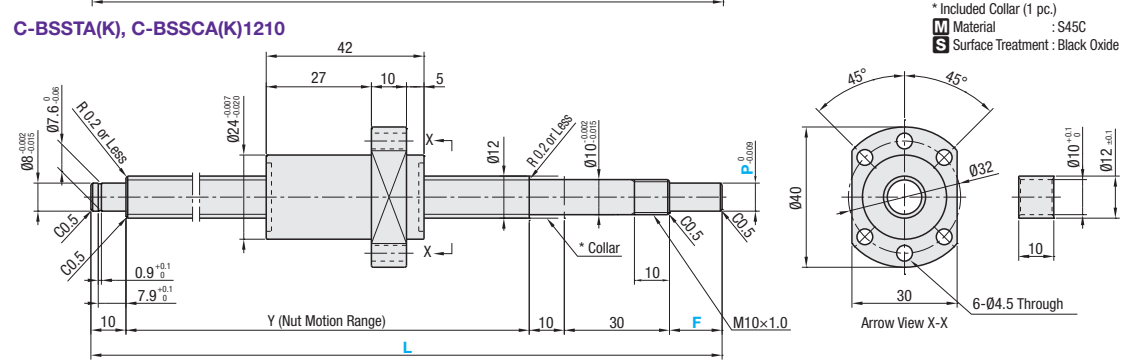
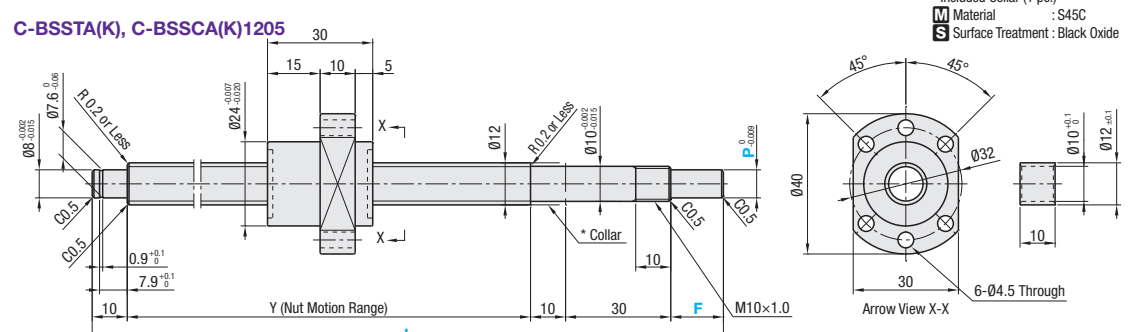
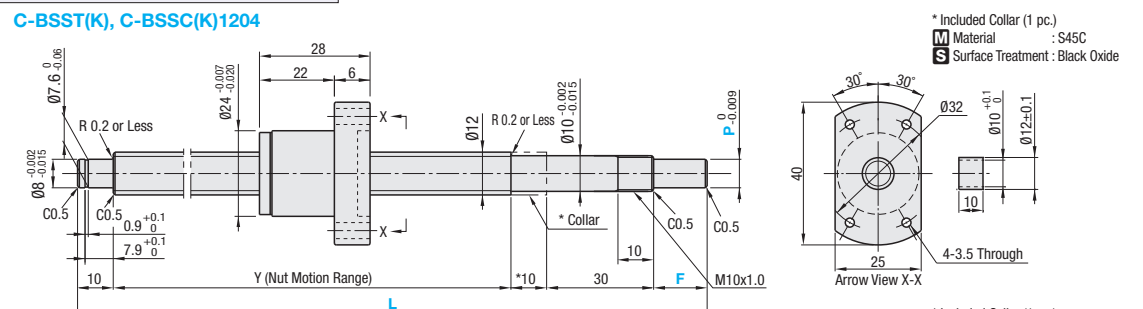


**Points of comparison against similar products** • Due to the difference in load rating and positioning accuracy (lead accuracy + axial play), the price is lower than that of similar products. • When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications. P. 701 - P. 702

Similar Product Pages P.701~P.702

Nut Type	Type		Accuracy Grade	Shaft Dia.	Lead	Screw Shaft			Nut		
	Standard	F, P Configurable				Material	Hardness	Surface Treatment	Material	Hardness	Surface Treatment
Standard Nut	C-BSST	C-BSSTK	C7	12	4	S55C	Induction Hardened 58-62HRC		SCM415	Carburized 58-62HRC	
	C-BSSC	C-BSSCK	C10								
	C-BSSTA	C-BSSTAK	C7	5, 10							
	C-BSSCA	C-BSSCAK	C10								



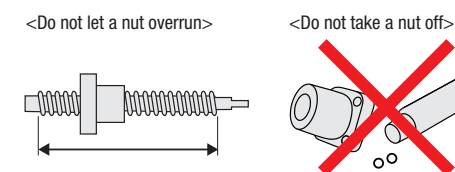
Nut Type	Accuracy Grade	Part Number Type	1mm Increment			Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play Clearance	Twist Direction
			L	*F	*P						C (Dynamic) kN	Co (Static) kN		
Standard Nut	C7	C-BSST	12	4	150-800	15	8	L-65	1.8	4.1	0.05 or Less	Right		
		C-BSSTK				15~24	5~8	L-(50+F)						
	C-BSSC	15				8	L-65							
	C-BSSCK	15~24				5~8	L-(50+F)							
	C-BSSTA	15				8	L-65							
	C-BSSTAK	15~24				5~8	L-(50+F)							
	C10	C-BSSCA	12	5	150-800	15	8	L-65	2.8 turns 1 row	2	3.5	0.10 or Less		
		C-BSSCAK				15~24	5~8	L-(50+F)						
	C-BSSTA	15				8	L-65							
	C-BSSTAK	15~24				5~8	L-(50+F)							
	C-BSSCA	15				8	L-65							
	C-BSSCAK	15~24				5~8	L-(50+F)							

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-BSSTA1205			
	C10	C-BSSCA1205			
	C7	C-BSSTA1210			
	C10	C-BSSCA1210			

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-BSSCA1205 - 600  
 C-BSSCAK1205 - 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 P.2285, 2286.
  - For details of Support Units, see P.771 - P.796.
  - 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.
  - 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-BSSCA1205 - 270 - SC7

Alterations	Code	Spec.
No Machining on Both Shaft Ends	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.
(Annealing Range) 4-C Nut	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 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-Q8-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.

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.
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P.700	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	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	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	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	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 P.701.

**Combination with Support Units**

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

Other than the part numbers shown above, a rich variety of Support Units are also available. (P.761~P.780)

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



Support Unit - Square, Low Profile Support Unit - Round  
 \*Any nut bracket is not available as the product compatible with C-VALUE Ball Screws.