

Points of comparison against similar products

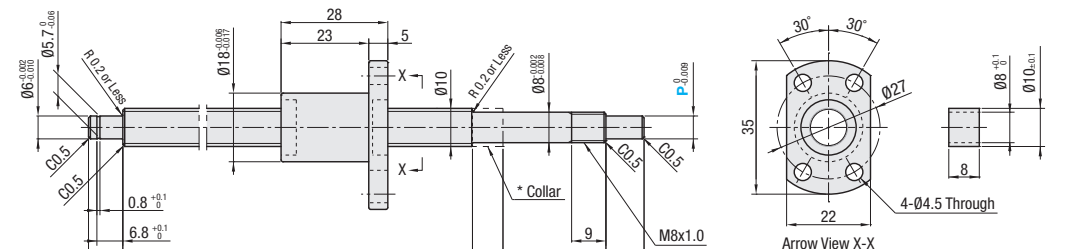
For Load Rating and Nut dim., C-VALUE components are different from the similar products. (For details, see P.735-P.736.) When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications.

Similar Product Pages P.729-P.730



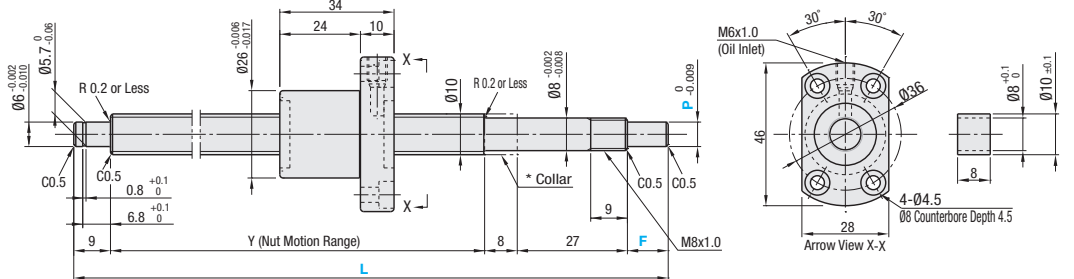
Nut Type	Type		Accuracy Grade	Shaft Dia.	Lead	Screw Shaft			Nut		
	Standard	F, P Configurable				Material	Hardness	Surface Treatment	Material	Hardness	Surface Treatment
Standard Nut	C-BSST	C-BSSTK	C7	10	2, 4	S55C	Induction Hardened 58 - 62HRC	-	SCM415	Carburized 58-62HRC	-
	C-BSSC	C-BSSCK	C10								

C-BSST(K), C-BSSC(K)1002



* Included Collar (1 pc.)
M Material : S45C
S Surface Treatment : Black Oxide

C-BSST(K), C-BSSC(K)1004



* Included Collar (1 pc.)
M Material : S45C
S Surface Treatment : Black Oxide

Nut Type	Accuracy Grade	Part Number		1mm Increment			Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play	Twisting Direction
		Type	Screw Shaft O.D.	L	*F	*P					Y	C (Dynamic) kN		
Standard Nut	C7	C-BSST	10	2	150~585	10	6	L-54	1 turn, 3 rows	1.2	2.1	0.05 or Less	Right	
		C-BSSTK				10~18	5, 6	L-(44+F)						
	C-BSSC	10				6	L-54							
	C-BSSCK	10~18				5, 6	L-(44+F)							
	C10	4		150~600	10	6	L-54							
					C-BSST	10~18	5, 6	L-(44+F)						
	C-BSSTK				10	6	L-54							
	C-BSSCK				10~18	5, 6	L-(44+F)							

* F and P are configurable for C-BSSTK, C-BSSCK only. F≤Px3 Y (Nut Motion Range) > (Nut Overall Length) kgf=Nx0.101972

Nut Type	Accuracy Grade	Part Number	Unit Price 1 ~ 4 pc(s).		
			L150~200	L201~400	L401~600
Standard Nut	C7	C-BSST1002			
	C10	C-BSSC1002			
	C7	C-BSST1004			
	C10	C-BSSC1004			

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

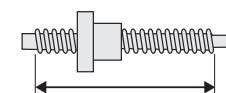


Part Number - L - F - P
C-BSSC1004 - 500
C-BSSCK1002 - 1284 - F15 - P5

Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- For accuracy of Ball Screws, see P.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.

<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 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 Nut Change Nut	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 Length	FC	Changes the length of the support side shaft end. FC=1mm Increment Ordering Code FC20 11≤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.
Keyway on Fixed Side Shaft End	KC	Adds a keyway on the fixed side shaft end. P=5 is not applicable. KC=1mm Increment Ordering Code KC5 2≤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.) P=5 is not applicable. K, S=1mm Increment Ordering Code KLC-K5-S2 3≤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.

Peripherals: Combination of the following parts is available.

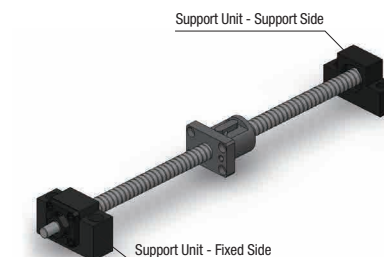


Support Unit - Square, Low Profile Support Unit - Round
Any nut bracket is not available as the product compatible with C-VALUE Ball Screws.

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.781
			C-BUN	8			○	P.782
			C-BRW	8S	Round	○		P.787
			C-BUR	6			○	P.788
		04	C-BSW	8S	Square	○		P.781
			C-BUN	8			○	P.782
			C-BRW	8S	Round	○		P.787
			C-BUR	6			○	P.788

Other than the part numbers shown above, a rich variety of Support Units are also available. (P.779-P.796)



Support Unit - Fixed Side