

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.729-P.730.) When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications.

Similar Product Pages P.729~730

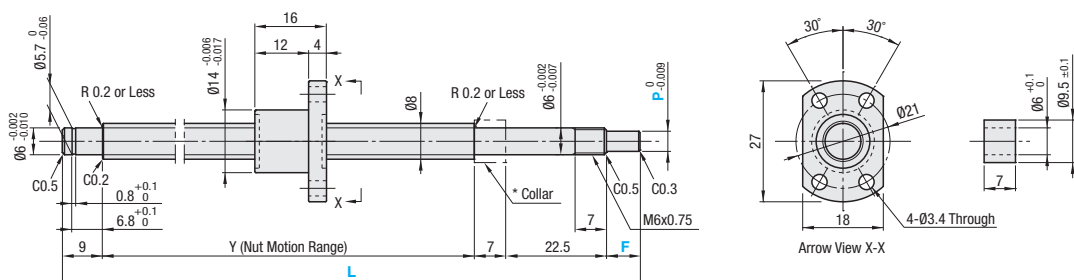


RoHS 10

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-BSST	C-BSSTK	C7	8	2	S55C	Induction Hardened 58 ~ 62HRC	-	SCM415	Carburized 58~62HRC	-
	C-BSSC	C-BSSCK	C10								

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

C-BSST(K), C-BSSC(K)0802



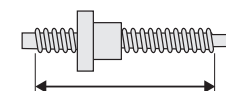
Nut Type	Accuracy Grade	Part Number		1mm Increment			Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play	Twisting Direction	
		Type	Screw Shaft O.D.	L	*F	*P						C (Dynamic) kN	Co (Static) kN			
Standard Nut	C7	C-BSST	8	2	100~400	7.5	4.5	L-46	1.2	8.41	(7.21)	1 turn, 3 rows	1.2	2.1	0.05 or Less	Right
		C-BSSTK				8~13	4, 4.5	L-(38.5+F)								
	C10	C-BSSC				7.5	4.5	L-46								
		C-BSSCK				8~13	4, 4.5	L-(38.5+F)								

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

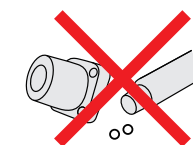
Notes

- 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-BSSC0802 - 280 - - SC5

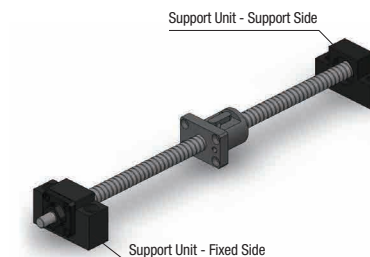
Alterations	Code	Spec.
No Machining on Both Shaft Ends (Annealing Range) 2-C Nut A nut is mounted to the temporary shaft before shipment.	WNC	Does not machine any of the both shaft ends. Ordering Code] WNC-S20-F80 Annealing may lower hardness on the annealed area + 25mm fore and aft. S+F ≤ L/2 L-(S+F) ≥ 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 Length	FC	Changes the length of the support side shaft end. FC=1mm Increment Ordering Code] FC20 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. SWC: 90° Position SGC: 120° Position 1mm Increment Ordering Code] SWC6 5 ≤ SWC, SGC ≤ 12 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	Page
C-BSSC	08	02	C-BSW	6	Square	P.781
			C-BUN	6		P.782
			C-BRW	6	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)



Ordering Example

Part Number - L - F - P
 C-BSSC0802 - 200
 C-BSSCK0802 - 200 - F5 - P4

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

Nut Type	Accuracy Grade	Part Number	Unit Price 1 ~ 4 pc(s).	
			L100~200	L201~400
Standard Nut	C7	C-BSST0802		
	C10	C-BSSC0802		