



MISUMI
C-VALUE

Rolled Ball Screws Standard Nut - Shaft Dia. 32; Lead 5, 10 (C-BSSCH(K), C-BSSTH(K)) Accuracy Grade C7, C10

For how to select Ball Screws, see P. 2223

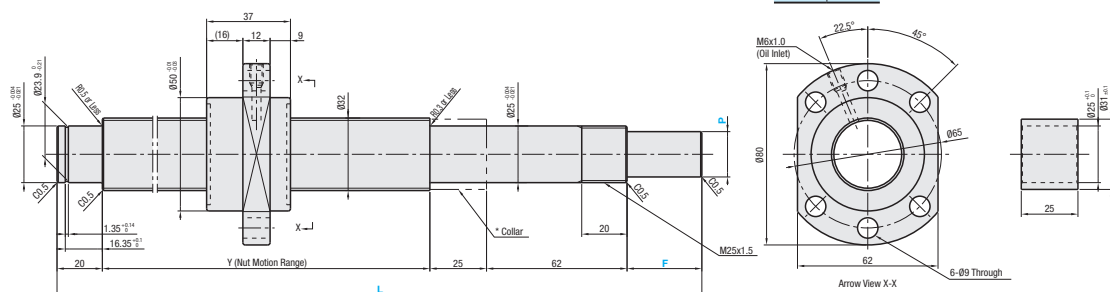
Points of comparison
between similar products

Load rating and nut dimensions of C-VALUE products are different from those of similar products. (For details, see P. 763 to P. 764.)
When opting for C-VALUE products, select them by comparing specifications of similar products.

Similar Product Pages P. 763 - P. 764

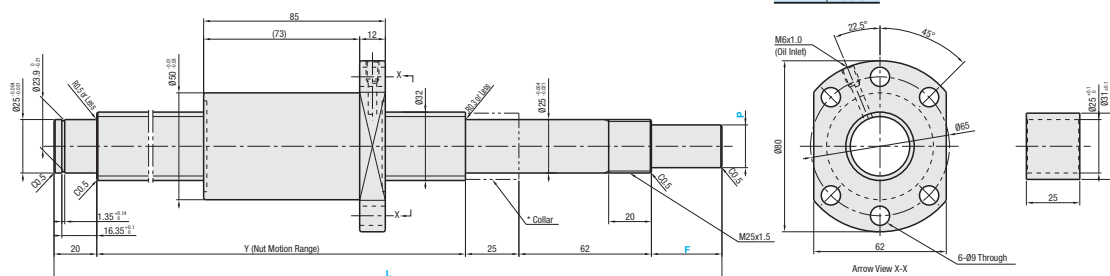


C-BSSCH(K), C-BSSTH(K) 3205



P	Tolerance	*Included Collar (1 pc.)
11~18	0 -0.011	M Material: S45C
19, 20	0 -0.013	S Surface Treatment: Black Oxide

C-BSSCH(K), C-BSSTH(K) 3210



P	Tolerance	*Included Collar (1 pc.)
11~18	0 -0.011	M Material: S45C
19, 20	0 -0.013	S Surface Treatment: Black Oxide

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	Twisting Direction
		Type	Screw Shaft O.D.	Lead	L	*F	*P					C (Dynamic) kN	Co (Static) kN		
Standard Nut	C7	C-BSSTH	32	5	250~2000	33	20	L - 140	3.175	33.08	(29.91)	3.8 turns, 1 row	6.3	20.7	0.10 or less
		C-BSSTHK				33~60	11~20								
	C10	C-BSSCH				33	20								
		C-BSSCHK				33~60	11~20								
	C7	C-BSSTH			300~2000	33	20	L - 140	6.350	34.15	(27.80)	1 turn, 4 rows	23.0	60.7	0.14 or less
		C-BSSTHK				33~60	11~20								
		C-BSSCH				33	20								
		C-BSSCHK				33~60	11~20								

*F and P are configurable for C-BSSCHK and C-BSSTHK only. $F \leq P \times 3$ Y (Nut Motion Range) $>$ (Nut Overall Length)

kgf = N x 0.101972

Nut Type	Accuracy Grade	Part Number	JPY Unit Price: 1 to 4 pc(s).					
			L200~400	L401~600	L601~800	L801~1000	L1001~1200	L1201~1500
Standard Nut	C7	C-BSSTH3205						
	C10	C-BSSCH3205						
	C7	C-BSSTH3210						
	C10	C-BSSCH3210						

For the price of F, P Configurable Type, add JPY2,080 to the standard type price. E.g.)C-BSSCHK3205 - 300 - F30 - P12 → JPY20,390 + JPY2,080 = JPY22,470



Part Number	-	L	-	F	-	P
C-BSSCH3205	-	600				
C-BSSCHK3210	-	888	-	F40	-	P15

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.
- 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 on the drawing by "Collar." 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 fall out due to its own weight.

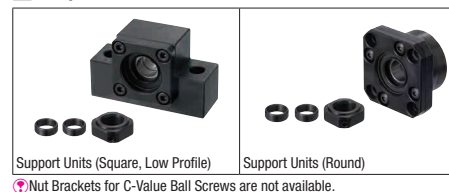


Part Number	-	L	-	F	-	P	-	(FC, KC...etc.)
C-BSSTH3205	-	680						KC10

Alterations	Code	Spec.
No Machining on Both Shaft Ends (Annealing Range) 4-C Nut	WNC	Does not machine any of the both shaft ends. Ordering Code WNC-S20-F80 Annealing may lower hardness on the annealed area + 25 mm fore and aft. $S + F \leq L/2$ $L - (S + F) \leq Y + 50$ On the annealed area + 25 mm 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)	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 10, 12, 15 or 25. G = 1 mm Increments Ordering Code GC - Q10 - G20 $5 \leq G \leq Q \times 3$ 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 = 1 mm Increments Ordering Code FC20 $21 \leq FC \leq 60$ Y dimension is shortened. Combination with GC is not available.
Tapped Hole on Support Side Shaft End	MC	Adds a tapped hole on the support side shaft end. MC = 1 mm Increments Ordering Code MC40 M8 x 1.25 20 $28 \leq MC \leq 60$ 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 Detailed Keyway Dimensions P. 684	KC	Adds a keyway on the fixed side shaft end. KC = 1 mm Increments Ordering Code KC20 $6 \leq KC \leq P \times 3$, $KC \leq F - 1$
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.) K, S = 1 mm Increments Ordering Code KLC - K20 - S3 $7 \leq K + S \leq P \times 3$, $K + S \leq F - 1$
Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. SC = 1 mm Increments Ordering Code SC20 $5 \leq SC \leq P \times 3$, $SC \leq F - 1$
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 1 mm Increments Ordering Code SWC10 $5 \leq SWC/SGC \leq P \times 3$, $SWC/SGC \leq F - 1$
Installing Special 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. 685.

Peripherals: Combination with the following parts is available.



Nut Brackets for C-Value Ball Screws are 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
C-BSSCH C-BSSTH	32	05 10	C-BRW	25	Square	○	P. 787
			C-BUR				P. 788
			C-BSW		Round	○	P. 781
			C-BUN				P. 782

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