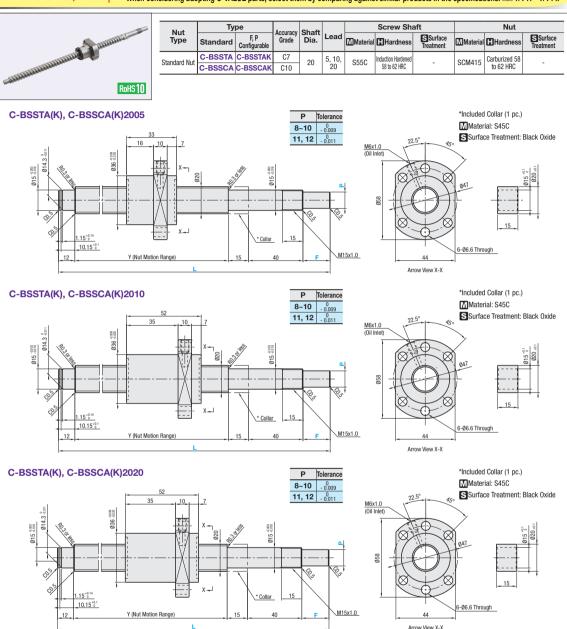
Rolled Ball Screws Standard Nut - Shaft Dia. 20; Lead 5, 10, 20 (RSpecific **Accuracy Grade C7, C10**



· 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. 711 ~ P. 714.



Nut Type	Accuracy Grade	Part Number			1 mm Increments					D-II		Basic Lo		ad Rating		
		Туре	Screw Shaft O.D.	Lead	L	*F	*P	Υ	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	C	Co (Static) kN		Twisting Direction
Standard Nut	C7	C-BSSTA		5	200~2000	20	12	L - 87	3.175	21.08	(17.905)	3.8 turns, 1 row	4.3	10.3	0.10 or less 0.15 or less	- Right
	67	C-BSSTAK				20~36	8~12	L - (67 + F)								
		C-BSSCA				20	12	L - 87								
		C-BSSCAK				20~36	8~12	L - (67 + F)								
		C-BSSTA		20 10	- 250~2000	20	12	L - 87					7.4	15.9		
		C-BSSTAK	20			20~36	8~12	L - (67 + F)								
		C-BSSCA	20			20	12	L - 87								
		C-BSSCAK				20~36	8~12	L - (67 + F)								
		C-BSSTA				20	12	L - 87		20.75	(17.575)	1.8 turns, 1 row	4.3	10.3	0.10 or less	
		C-BSSTAK				20~36	8~12	L - (67 + F)								
		C-BSSCA				20	12	L - 87								
		C-BSSCAK				20~36	8~12	L - (67 + F)								

JPY Unit Price: 1 to 4 pc(s). Accuracy **Part Number** Grade L601~800 L801~1000 L1001~1200 L1201~1500 L1501~2 C7 C-BSSTA2005 C-BSSCA2005 C10 C7 C-BSSTA2010

Similar Product Pages
■ P. 711 - P. 714

For the price of F, P Configurable Type, add JPY1,550 to the standard type price.
E,q.)C-BSSCHK2005 - 300 - F21 - P10 → JPY12,080 + JPY1,550 = JPY13,630

Ordering Example

Part Number C-BSSCA2005 C-BSSCAK2010 - 1284 - F21 - P10

C-BSSCA2010

C-BSSTA2020 C10 C-BSSCA2020

C10

C7

- 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.

 Cautions: Do not let the nuts overrun or remove the nuts from the screw shafts.

Nut Type

Standard Nut

- 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.

FC

Note that, when a ball screw shaft or ball screw nut is tilted, it may be fallen out by its own weight.





Alterations

No Machining on Both Shaft Ends

A nut is mounted to the temporary

shaft before the product is shipped

No Machining on Support Side Shaft End

Ball Nut Orientation Reversed

(Support Side) (FIACU GRAZ)
Standard OCC

Change occident No Retaining Ring Groove on

Change Support Side Shaft End

Machining

Change Support Side Shaft End Length

10.15 FC

Tapped Hole on Support Side

Shaft End

≥ 10.15

MC

(Annealing Range) 4-C

Part Number - L

F - P - (FC, KC...etc.)

CA2005 - 245 -	KC10
Spec.	
Does not machine any of the both shaft ends. $\frac{Codering Code}{Codering Code} \text{WIC-SQD-F80} \\ & \text{Annealing may lower hardness on the annealed area} + 25 \text{ mm fore and aft.} \\ & \text{S} \times \text{F} \times \text{L/2} \\ & \text{On the annealed area} + 25 \text{ mm fore and aft, axis run-out may be larger than indicated by the catalog standard.} \\ & \text{No machining added on the support side shaft end.} \\ & \frac{Codering Code}{Codering Code} \text{NC} \\ & \text{NC} $	Keyway Detailed Ke
Changes the nut direction. Ordering Code RLC	Keyway
No retaining ring groove is machined on the support side shaft end. Ordering Code RNC ◆ Combination with FC is not available.	- Flat M
Changes the machining on the support side. Q is selectable from 10, 12 or 15. G = 1 mm Increments Ordering Code GC - Q10 - G20	٥
• 5 ≤ G ≤ Q x 3 • Y dimension is shortened. • Mo Retaining Ring Groove Combination with FC is not available. Changes the length of the support side shaft end. FC = 1 mm Increments	2 Flats I
Ordering Code] FC20 ①13 ≤ FC ≤ 30 ①7 dimension is shortened. ⊗Combination with GC is not available.	SWC, SGC
Adds a tapped hole on the support side shaft end. MC = 1 mm Increments Ordering Code MC25 M & &	
M6x1.0 15 ••••••••••••••••••••••••••••••••••••	

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 SEF P. 684	КС	Adds a keyway on the fixed side shaft end. KC = 1 mm Increments $\boxed{\text{Ordering Code}}$ $KC15$ $\boxed{•}$ $4 \le KC \le P \times 3$, $KC \le F - 1$
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.) $K,S=1 \text{ mm Increments}$ $\frac{\text{Covering Code}}{5} \text{ KLC} - \text{K7} - \text{S2}$ $\frac{\text{Cys}}{5} \leq \text{K} + \text{S} \leq \text{P} \times 3, \text{K} + \text{S} \leq \text{F} - 1$
Flat Machined on Fixed Side Shaft End SC 0.5	sc	Adds a flat on the fixed side shaft end. $SC = 1 \text{ mm increments}$ $\boxed{\text{Ordering Code}} SC7$ $\boxed{\$ 5 \le SC \le P \times 3, SC \le F - 1}$
2 Flats Machined on Fixed Side Shaft End SWC SGC	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position, SGC: 120° Position 1 mm Increments [Dräering Cote] SWC:10 • 5 ≤ SWC:SGC ≤ P x 3, 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 P. 685.

Combination with Support Units

Ball Scre	w Part Nu	mber	Recommended Support Unit							
Type	Screw	Lead	Part Nur	nber	Shape	Fixed	Support Side	Page		
Type	Shaft O.D.		Type	No.	Onape	Side				
			C-BSW	15	Square	0		P. 763		
C-BSSCA	20	05 10 20	C-BUN				0	P. 764		
C-BSSTA			C-BRW		Round	0		P. 769		
			C-BUR					P. 770		

① Other than the part numbers shown above, a rich variety of Support Units are also available. (P. 761~P. 780)

Support Unit Fixed Side

Support Unit Support Side