Rolled Ball Screws Standard Nut - Shaft Dia. 15; Lead 5, 10, 16, 20 **Accuracy Grade C7, C10**



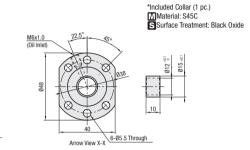
· Due to the difference in load rating and positioning accuracy (lead accuracy + axial play), the price is lower than that of similar products. · When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications. En 705 ~ P. 708.

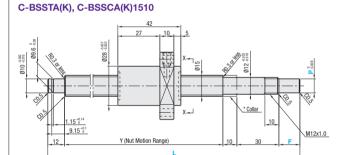


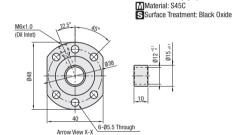
C-BSSTA(K), C-BSSCA(K)1516

Nut	Ту	pe	A	Shaft			Screw Sha	ft		Nut	
Туре	Standard	l FD	Grade	Dia.		Material	Hardness	SSurface Treatment	Material	Hardness	S Surface Treatment
Standard Nut	C-BSSTA	C-BSSTAK	C7	15	5, 10	S55C	Induction Hardened 58 to	_	SCM415	Carburized	
	C-BSSCA	C-BSSCAK	C10	15	16, 20	3330	62 HRC	-	30W413	58 to 62 HRC	-

C-BSSTA(K), C-BSSCA(K)1505

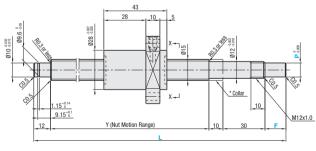


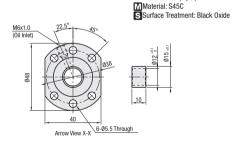


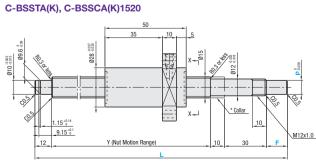


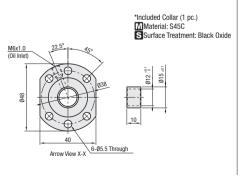
*Included Collar (1 pc.)

*Included Collar (1 pc.)









Similar Product Pages ■ P. 705 ~ P. 708

		Part Number			1 mm Increments					Ball	Screw	Ni	Basic Loa	ad Rating									
Nut Type	Accuracy Grade	Туре	Screw Shaft O.D.	Lead	L	*F	*P	Y	Ball Dia.		Root Dia.	Number of Circuits	C (Dynamic) kN	Co (Static) kN	Axial Play	Twisting Direction							
	C7	C-BSSTA				15	10	L - 67															
	67	C-BSSTAK		5	150~1200	15~30	6~10	L - (52 + F)				3.8 turns,	3.6	7.4									
	C10	C-BSSCA		"	130~1200	15	10	L - 67				1 row											
	010	C-BSSCAK				15~30	6~10	L - (52 + F)															
	C7	C-BSSTA		10									15	10	L - 67					3.0	7.4		
	01	C-BSSTAK			_	15~30	6~10	L - (52 + F)	2.778			2.8 turns,				s Right							
	C10	C-BSSCA				15	10	L - 67			1 rc	1 row											
Standard Nut		C-BSSCAK	15			15~30	6~10	L - (52 + F)		15.672	(12.894)				- 0.10 or less								
Statitual u IVut	C7	C-BSSTA	15	16		15	10	L - 67		13.072 (12.0	(12.054)		3.0	7.1									
	67	C-BSSTAK			200~1200	15~30	6~10	L - (52 + F)															
	C10	C-BSSCA		10	200~1200	15	10	L - 67	1				3.0										
	610	C-BSSCAK				15~30	6~10	L - (52 + F)				1.8 turns,											
	C7	C-BSSTA				15	10	L - 67				1 row											
	67	C-BSSTAK		20		15~30	6~10	L - (52 + F)	1				4.1	9.3									
	C10	C-BSSCA		20		15	10	L - 67	1				4.1	9.3									
	610	C-BSSCAK				15~30	6~10	L - (52 + F)															
*F and P are o	configurat	ole for C-BSSCHK	and C-BS	STHK only	ı. ? F ≤ P x 3 ? Y (I	Nut Motion F	lange) > (Nu	t Overall Lengt	h)						kgf = N	x 0.101972							

Nut	Accuracy	Part		JPY Unit Price: 1 to 4 pc(s).					
Type	Grade	Number	L150~200	L201~400	L401~600	L601~800	L801~900	L901~1200	
	C7	C-BSSTA1505							
	C10	C-BSSCA1505							
	C7	C-BSSTA1510							
Standard Nut	C10	C-BSSCA1510							
Stariuaru ivut	C7	C-BSSTA1516							
	C10	C-BSSCA1516							
	C7	C-BSSTA1520							
	C10	C-BSSCA1520							

For the price of F, P Configurable Type, add JPY1,550 to the standard type price.
 E.g.)C-BSSCAK1505 - 300 - F25 - P9 → JPY11,860 + JPY1,550 = JPY13,410

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.

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 2	Part Number] -	L	-	F	-	Р	-	(FC, KCetc.)
Alterations —	C-BSSCA1505	٠.	350					٠.	KC10

Ordering Part Number - L - F - P

C-BSSCAK1505 - 1084 - F15 - P6

Alterations	Code	Spec.
No Machining on Both Shaft Ends (Annealing Range) 4-C Nut S L F Stat (*A nut is mounted to the temporary shaft before the product is shipped.	WNC	Does not machine any of the both shaft ends. [<u>Ordering Code</u>] WNC-S20-F80 **PAnnealing may lower hardness on the annealed area + 25 mm fore and aft. **PS + F \leq L/2 **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) Standard Change	RLC	Changes the nut direction.
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 Length	FC	Changes the length of the support side shaft end. FC = 1 mm Increments [Didering Gode] FC20 (1) 3 ∈ FC ≤ 30 (2) Y dimension is shortened. ⊗Combination with 60 is not available.
Change Support Side Shaft End Machining	GC	Changes the machining on the support side. 0 is selectable from 8, 10 or 12. 6 = 1 mm Increments $\frac{\text{Ordering Codel}}{\text{CF}} \text{ (SC} - 0.3 - 6.20)$ $\frac{\text{CF}}{\text{CF}} \le \text{G} \le \text{Q} \times 3 \text{(Y) d'imension is shortened.}$ $\frac{\text{CF}}{\text{VN}} \text{ Netalining Ring Groove}$ $\frac{\text{Combination with FC is not available.}}{\text{CF}}$
Tapped Hole on Support Side Shaft End	MC	$\begin{array}{lll} \mbox{Adds a tapped hole on the support side shaft end.} \\ \mbox{MC} = 1 & mm & \mbox{Increments} \\ \mbox{(C = 1$ mm } & \mbox{MC} \\ \mbox{(C = 1$)} & \mbox{MS} & \mbox{0.8} \\ \mbox{MS} & \mbox{0.8} & \mbox{12} \\ \mbox{(W = 1$)} & \mbox{12} \\ \mbox{(W = 1$)} & \mbox{13} & \mbox{12} \\ \mbox{(W = 1$)} & \mbox{($W$ = 1$)} & \mbox{($W$ = 1$)} & \mbox{($W$ = 1$)} \\ \mbox{($W$ = 1$)} & \mbo$

Combin	ation	with	Supp	ort Units	

Ball Scre	w Part Nu	ımber	Recommended Support Unit						П
	Screw	Screw Part Number		Fixed	Support	_	i		
Type	Shaft O.D.	Lead	Type	No.	Shape	Side	Side	Page	
		05	C-BSW		C	0		P. 763	-
C-BSSCA	15	10	C-BUN	12	Square		0	P. 764	(
C-BSSTA		16	C-BRW	12	Round	0		P. 769	-
		20	C-BUR	1	nounu			D 770	_

Alterations	Code	Spec.
Wrench Flats on Fixed Side	SZC	Adds wrench flats on the fixed side shaft end. [Ordering Tode] SZC Ball bearings will fall out if the ball nut crosses the wrench flats.
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions PP 684	КС	Adds a keyway on the fixed side shaft end. KC=1 mm Increments $\boxed{\text{Ordering Code}}$ $\ket{KC10}$ $\bigcirc{\mathfrak{P}}3 \leq KC \leq P \times 3$, $KC \leq F - 1$
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 $\frac{ \nabla d \cdot d }{ \nabla d \cdot d } \text{ KLC} - K5 - S3} $ $\frac{\langle \nabla}{3} \le K + S \le F - 3$
Flat Machined on Fixed Side Shaft End Sc 0.5	SC	Adds a flat on the fixed side shaft end. $SC = 1 \ mm \ Increments$
2 Flats Machined on Fixed Side Shaft End SWC SGC SGC SGC SGC SGC SGC SGC SGC SGC SG	SWC	Adds two flats on the fixed side shaft end. SWC: 90° Position, SGC: 120° Position 1 mm Increments
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.

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