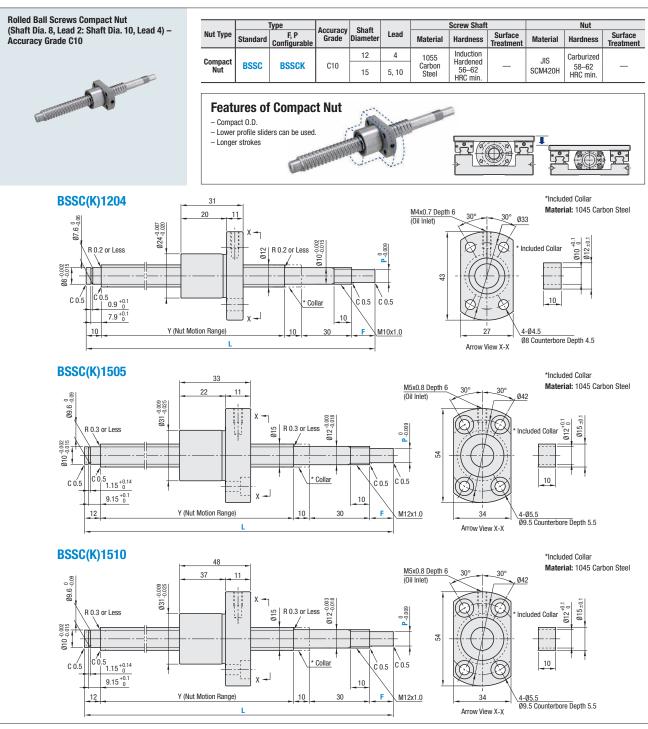
Rolled Ball Screws Compact Nut (Shaft Dia. 12, Lead 4: Shaft Dia. 15, Lead 5 to 10) Accuracy Grade C10



Nut Type	Accuracy Grade	Part Number			1 mm Increment					Ball	Screw		Basic Load Rating					
		Туре	Screw Shaft 0.D.	Lead	L	*F	*P	А	В	Y	Ball Dia.	Center Dia.		Number of Circuits	C (Dynamic) kN	Co (Static) kN		Twisting Direction
	C10	BSSC	40	04	150- 800	15	8	_	_	L-65	2	12.25	(10.4)	4 Turns, 1 Row	2.79 5.2	F 07	0.05 or Less	Right
		BSSCK	12			15-24	5–8			L-(50+F)						5.27		
Compact		BSSC		OF.	150-	15	10	33	22	L-67		15.5	(12.25)	3 Turns, 1 Row 4.25	4.14	7.06	0.10 or Less	
Nút		BSSCK	45	05	1200	15-30	6–10			L-(52+F)	0.475				4.14			
		BSSC	15	10	200-	15	10	48	37	L-67	3.175				4.25	7.45		
		BSSCK		10	1200	15-30	6–10			L-(52+F)						7.45		

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Rolled Ball Screws Compact Nut (Shaft Dia. 12, Lead 4: Shaft Dia. 15, Lead 5 to 10) Accuracy Grade C10, continued



1	Part Number	Part Number] -	L] -	F] -	Р	- (FC, KC,	eto

Alterations	Code	Spec.
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) Standard OCCOMBON (Fixed Side) Changed OCCOMBON (Fixed Side)	RLC	Changes the nut direction. Ordering Code: RLC
No Retaining Ring Groove on Support Side Shaft End	RNC	Retaining ring groove in not machined on the support side shaft end. Ordering Code: RNC O Combination with FC is not available.
Change Support Side Shaft End Machining	GC	Changes the machining on the support side. For Screw Shaft 12, Q is selectable from 6, 8; for Screw 15, Q is selectable from 8, 10, and 12. $G = 1 \text{ mm lncrement}$ Ordering Code: GC-Q8-G20 $5 \le G \le 0.03$ V dimension is shortened.
Change Support Side Shaft End Length	FC	$ \begin{array}{c c} \text{Changes the length of the support side shaft end.} \\ \text{FC} = 1 \text{ mm Increment} & & & & \text{Shaft Dia.} & & \\ \hline & & & 12 & 7.9 \\ \hline \text{Ordering Code: } \text{FC20} & & 15 & 9.15 \\ \hline \textbf{0} 13 \leq \text{FC} \leq 30 \text{ (BSSC(K)} 2005, 2010)} \\ \hline \textbf{0} 19 \leq \text{FC6-0} \text{ (BSSC(K)} 2005)} \\ \hline \textbf{0} Y \text{ dimension is shortened.} \\ \end{array} $
Tapped Hole on Support Side Shaft End	MC	Adds a tapped hole on the support side shaft end. $ \begin{array}{c c} MC = 1 \text{ mm Increment} \\ \hline \textbf{Ordering Code: } MC20 \\ \hline \textbf{M} & \ell & \textbf{0} \\ \hline M5 \times 0.8 & 12 \\ \hline \end{array} \begin{array}{c c} \textbf{18} \leq MC \leq 30 \\ \textbf{O} \text{ Y dimension is shortened.} \\ \hline \end{array} $

Note:

- 0 Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K).
- For accuracy of Ball Screws, see P.752–754.
- O For details of Support Units, see P.792-802.
- O Caution: Do not remove any nuts from their screw shafts or allow nuts to overrun the stroke. It may cause the balls to fall out or damage the ball recirculation parts
- Included Collar is packaged together with main body of Ball Screws.
 Store this Included Collar with care. It is required when mating with Support Units.
- ① Do not tilt the ball screw assembly. Due to its weight, the nut may rotate off of the shaft.

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. Screw Shaft A B (C) 12 8 5 20 15 10 7 22							
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P.752 .	KC	Adds a keyway on the fixed side shaft end. № P=5 is not applicable. KC = 1 mm Increment Ordering Code: KC10 ① 3≤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. (Key groove dim. is the same as KC.) ⊗ P = 5 is not applicable. K, S = 1 mm Increment Ordering Code: KLC-K5-S2 U 4K+S≤Px3 K+S≤F-1							
Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. $SC = 1 \text{ mm Increment}$							
2 Flats on Fixed Side Shaft End SWC SGC SMC.SGC 0.51 0.51	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position SGC: 120° Position 1 mm Increment Ordering Code: SWC7 ○ 5≤SWC, SGC≤Px3 SWC, SGC≤F-1							
Installing Special Temporary Shaft Temporary Shaft Nut Screw Shaft	TAS	Special Temporary Shaft used for installing Ball Screw Nut. Always use Special Temporary Shaft when removing or installing Ball Screw Nut.							

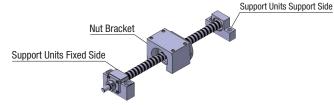
Peripherals: Combination of the following parts are available



Combination with Support Units

Ball	Screw Part Nu	mber	Recommended Support Units							
Time	Screw Shaft	Lead	Part N	umber	Shape	Fixed	Support	Page		
Type	Outer Dia.	Leau	Туре	No.	Snape	Side	Side			
			BSV	108	Square	0	_	796		
	12	04	BUV	10	Low Profile	_	0	799		
	"-		BRW	108	Round	0	_	800		
BSSC			BUR	10		_	0	802		
D000		05 10	BSV	12	Square	0	_	796		
	15		BUV	12	Low Profile	_	0	799		
	.0		BSW	12	Daward	0	_	794		
			BUN	12	Round	_	0	798		

O Aside from the part numbers shown above, there are a variety of other Support Units available. (P.792-802)



Combination with Nut Brackets

Ва	III Screw Part Num	ber	Recommended Nut Brackets				
Tuno	Screw Shaft	Lead	Part N	Down			
Туре	Outer Diameter	Leau	Type No.		Page		
	40	04	BNFB	1204C	810		
BSSC	12	05	BNFM BNFR	1505R	810		
	15	10	BNFA	1510C	810		