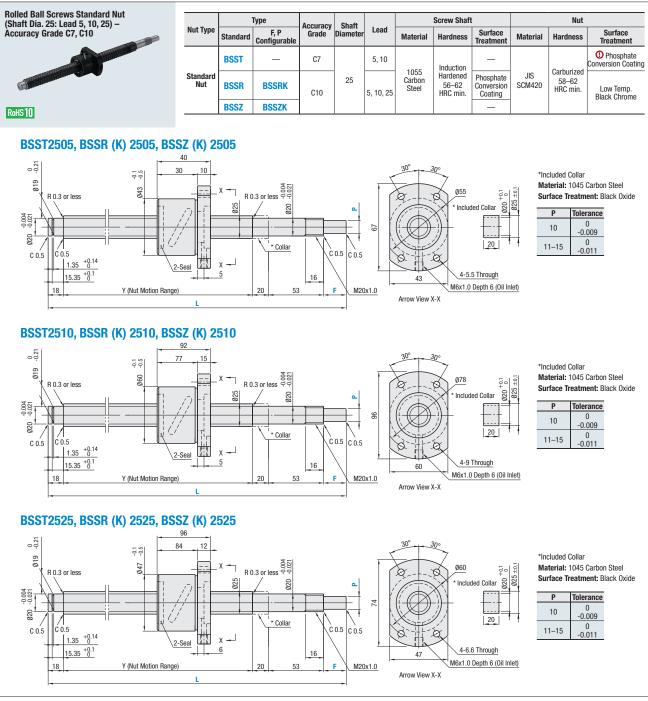
Rolled Ball Screws Standard Nut (Shaft Dia. 25: Lead 5, 10, 25)

Accuracy Grade C7, C10



Nut	Accuracy	Part Number			1 mm	1 mm Increment		v	Ball	Ball	Screw	Number	Basic Load Rating		Axial	Twisting
Type	Grade	Туре	Screw Shaft 0.D.	Lead	L	*F	*P	'	Dia.	Center Dia.	Root Dia.	of Circuits	C (Dynamic) kN	Co (Static) kN	Play	Direction
	C7	BSST	05 25 10		İ										0.03 or Less	
		BSSR			27	15	L-118				2.5 Turns					
	C10 -	BSSZ		05	200-2000			3.175	3.175	5 25.8	(21.8)	1 Row	6.6	18.7	0.10 or Less	
		BSSRK					10-15	L-(91+F)								
		BSSZK				27 40		2 (0111)								
	C7	BSST		10		27 15 0									0.07 or Less	S
Standard	C10 -	BSSR					L-118		35 26.8	(20.3)	2.5 Turns 2 Rows	27.5	76.3	0.20 or Less	Right	
Nut		BSSZ			300-2000			6.35								
		BSSRK				27_45	10_15	L-(91+F)				Z NUWS			0.20 of Less	
		BSSZK		25		21-43	10-13	L-(31+1)								
		BSSR			300–2000	27	15	L-118 3.969	2 060	25.8	(21.5)	2.5 Turns	9.3	22.7	0.10 or l occ	
		BSSZ					13									
		BSSRK BSSZK					10–15		25.0	(21.3)	1 Row	9.3	22.1	0.12 or Less		

*F and P are configurable for BSSRK and BSSZK only.

F≤Px3. kgf=Nx0.101972



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Rolled Ball Screws Standard Nut (Shaft Dia. 25: Lead 5, 10, 25)

Accuracy Grade C7, C10, continued



Part Number] -	L	
BSSR2525L	-	370	L Type Greased
BSSR2505G	-	370	G Type Greased

Part Number | Part Number | - L | - F | - P | - (FC, MC, etc.)

Note:

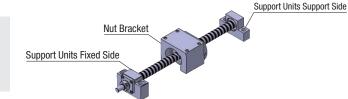
- ① Mounting surface of BSST ball nut flange is not surface-treated.
- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K).
- O Various grease options are available. For specifications, **P.752**.
- For accuracy of Ball Screws, see P.752-754.
- For details of Support 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.
- O 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	R2505	- 700 - RLC
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) (Fixed Side) Standard October (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 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, 20. G = 1 mm Increment Ordering Code: GC-Q10-G20 $0.5 \le G \le Qx$ 3 Y dimension is shortened.
Change Support Side Shaft End Length	FC	Changes the length of the support side shaft end. FC = 1 mm Increment Ordering Code: FC20 \bigcirc 19 \leq FC \leq 60 \bigcirc Y dimension is shortened.
Tapped Hole on Support Side Shaft End	МС	Adds a tapped hole on the support side shaft end. $MC = 1 \text{ mm Increment}$

Alterations	Code	Spec.
Wrench Flats on Fixed Side	SZC	Adds wrench flats on the fixed side shaft end. Ordering Code: SZC Deall bearings will fall out if the ball nut crosses the wrench flats.
Keyway on Fixed Side Shaft End Detailed Kenway Dimensions, See P.752.	KC	Adds a keyway on the fixed side shaft end. KC = 1 mm Increment Ordering Code: KC10 5 \le KC \le Px3 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. (Key groove dim. is the same as KC.) K, S = 1 mm Increment Ordering Code: KLC-K20-S3 \bigcirc 6K+S \leq Px3 K+S \leq F-1
Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. $SC = 1 \ mm \ Increment$ $ \ \ \ \ \ \ \ \ \ \ \ \ \$
2 Flat Machined on Fixed Side Shaft End SWC SGC SWC SGC SWC SGC SWC SGC SWC SWC SGC SWC SWC SWC SWC SWC SWC SWC SWC SWC SW	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position SGC: 120° Position 1 mm Increment Ordering Code: SWC10 ① 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 S	crew Part Nu	mber	Recommended Support Units							
	Туре	Screw Shaft Outer	Lead	Part N	umber	Shape	Fixed Side	Support Side	Page		
		Diameter		Туре	No.						
		25	05 10 20	BRW	20	Round Square Type	0	_	800		
	BSST			BUR	20		_	0	802		
	BSSR BSSZ			BSW	20		0	_	794		
				BUN	20		_	0	798		

① Aside from the part numbers shown above, there are a variety of other Support Units available.

Combination with Nut Brackets

В	all Screw Part Num	nber	Recommended Nut Brackets			
Tuna	Screw	Lood	Part N	D		
Туре	Shaft 0.D.	Lead	Туре	No.	Page	
BSST	25	05	BNFB BNFM BNFR BNFA	2505R	810	
BSSR		10		2510R	810	
BSSZ		25		2525R	810	

⁽R792–802).

O Combination of BSST2510, BSSR2510 and BSSZ2510 Ball Screws with BSW20 Support Unit may cause