

Rolled Ball Screws Standard Nut - Shaft Dia. 25; Lead 5, 10, 25

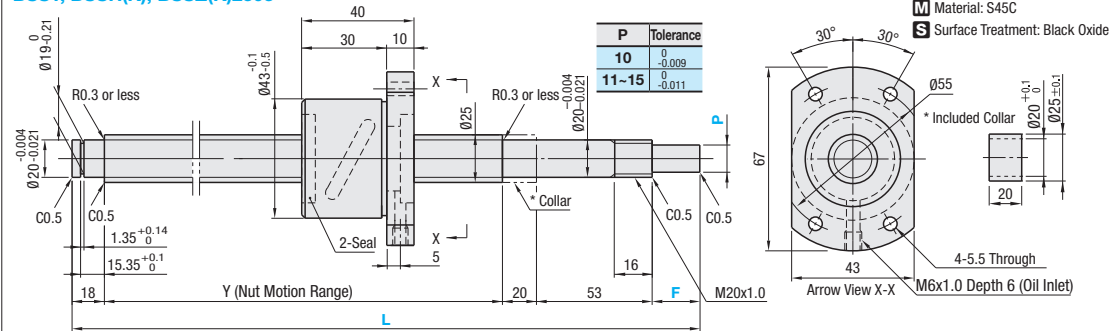
Accuracy Grade C7, C10

Points of comparison between similar products | Consider using this product if the usage environment is a high-load, and high-frequency drive application.

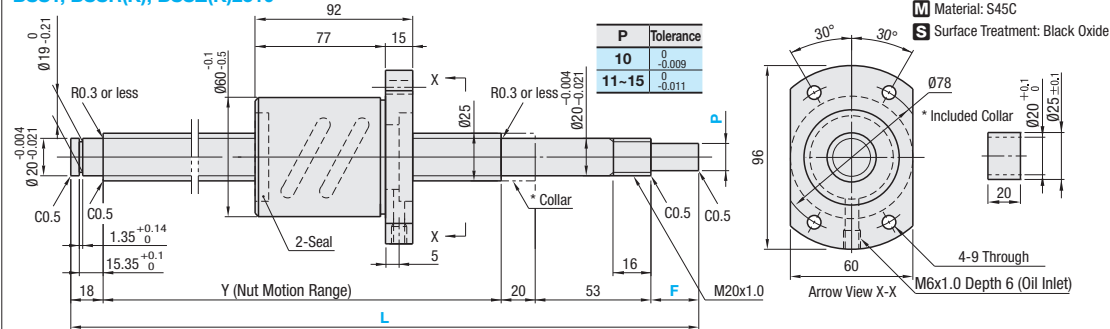


Nut Type	Type	Accuracy Grade	Shaft Dia.	Lead	Screw Shaft			Nut			
					Material	Hardness	Surface Treatment	Material	Hardness	Surface Treatment	
Standard Nut	BSST	F, P Configurable	C7	5, 10	S45C	Induction Hardened 56-62HRC	Phosphate Conversion Coating	SCM420	Carburized 58-62HRC	Phosphate Conversion Coating	Low Temperature Black Chrome
	BSSR		C10	5, 10, 25							
	BSSRK										

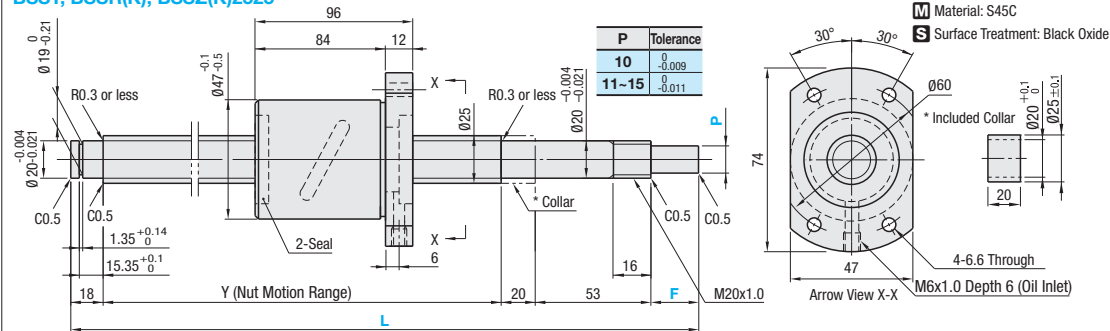
BSST, BSSR(K), BSSZ(K)2505



BSST, BSSR(K), BSSZ(K)2510



BSST, BSSR(K), BSSZ(K)2525



Nut Type	Accuracy Grade	Part Number		1mm Increment			Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating C (Dynamic) (kN)	Axial Play	Twisting Direction														
		Type	Lead	L	*F	*P																						
Standard Nut	C7	BSST	25	05	200-2000	27	15	L-118	3.175	25.8	(21.8)	2.5 turns, 1 row	6.6	18.7	0.03 or Less													
																BSSR	10	300-2000	27	15	L-118	6.35	26.8	(20.3)	2.5 turns, 2 rows	27.5	76.3	0.20 or Less
		BSSRK	27-45	10-15	L-(91+F)																							
						BSSZK	27-45	10-15	L-(91+F)																			
										BSSR	25	05	200-2000	27	15	L-118	3.175	25.8	(21.8)	2.5 turns, 1 row	6.6	18.7	0.10 or Less					
	BSSZ	10	300-2000	27	15																			L-118	6.35	26.8	(20.3)	2.5 turns, 2 rows
						BSSRK	27-45	10-15	L-(91+F)																			
										BSSZK	27-45	10-15	L-(91+F)															

Nut Type	Accuracy Grade	Part Number	Unit Price 1 ~ 4 pc(s).						
			L200-400	L401-600	L601-800	L801-1000	L1001-1200	L1201-1500	L1501-2000
Standard Nut	C7	BSST2505							
		BSSR2505							
	C10	BSSZ2505							
		BSSRK2505							
	C7	BSST2510							
		BSSR2510							
C10	BSSZ2510								
	BSSR2525								
		BSSZ2525							

Ordering Example: Part Number - L - F - P
 BSSC2505 - 300 - F30 - P12
 BSSZK2510 - 370 (L Type Greased)
 BSSR2525L - 370 (L Type Greased)
 BSSR2505G - 370 (G Type Greased)

Notes

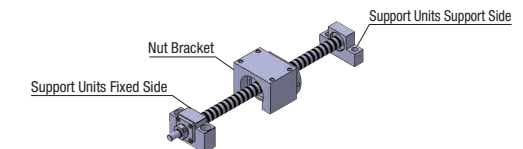
- Mounting surface of BSST ball nut flange is not surface-treated.
- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- Various grease options are available. For price and specifications, see P686.
- For accuracy of Ball Screws, see P2223 and P2224.
- For details of Support Units, see P753 - P778.
- 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.
- Use the "collar" position in the diagram for the accessory collar. Use one of the support unit accessory collars on the fastening nut side.
- Do not tilt the ball screw assembly since the nut may spin off from the shaft due to its own weight.

Alterations Example: Part Number - L - F - P - (FC, MC, etc.)
 BSSR2505 - 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)	RLC	Changes the nut direction. Ordering Code: RLC
No Retaining Ring Groove on Support Side Shaft End	RNC	No Retaining Ring Groove on 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. G is selectable from 10, 12, 15 and 20. G=1mm Increment Ordering Code: GC-010-G20 5≤G≤Qx3, Y dimension is shortened.
Change Support Side Shaft End Length	FC	Changes the length of the support side shaft end. FC=1mm Increment Ordering Code: FC20 19≤FC≤60 Y dimension is shortened.
Tapped Hole on Support Side Shaft End	MC	Adds a tapped hole on the support side shaft end. MC=1mm Increment Ordering Code: MC40 M Z M8x1.25 20 28≤MC≤60

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 see P684)	KC	Adds a keyway on the fixed side shaft end. KC=1mm Increment Ordering Code: KC20 5≤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. (Keyway dim. is same as KC.) K, S=1mm Increment Ordering Code: KLC-K20-S3 6≤K+S≤Px3, K+S≤F-1
Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. SC=1mm Increment Ordering Code: SC20 5≤SC≤Px3, SC≤F-1
2 Flats Machined on Fixed Side Shaft End (SWC 90° Position, SGC 120° Position)	SWC, SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position, SGC: 120° Position 1mm Increment Ordering Code: SWC10 5≤SWC, SGC≤Px3, SWC, SGC≤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 P685.

Peripherals: Combination of the following parts is available.



Combination with Support Units

Ball Screw Part Number	Type	Screw Shaft O.D.	Lead	Recommended Support Unit				
				Part Number	Shape	Fixed Side	Support Side	
BSST BSSR BSSZ	25	05	10	BRW	20	Round	○	P.767
				BUR	20			
				BSW	20	Square	○	P.761
				BUN	20			

Combination with Nut Brackets

Ball Screw Part Number	Type	Screw Shaft O.D.	Lead	Recommended Nut Bracket		
				Part Number	Type	Page
BSST BSSR BSSZ	25	05	10	BNFB	2505R	P.780
				BNFM	2510R	P.780
				BNFA	2525R	P.780

Other than the part numbers shown above, a wide variety of Support Units are also available. (P.761 - P.778)
 Combination of Ball Screw BSST2510, BSSR2510 or BSSZ2510 with Support Unit BSW20 may cause the nut to come in contact with the bottom surfaces.

Other than the part numbers shown above, a wide variety of Nut Brackets are also available. (P.780)