

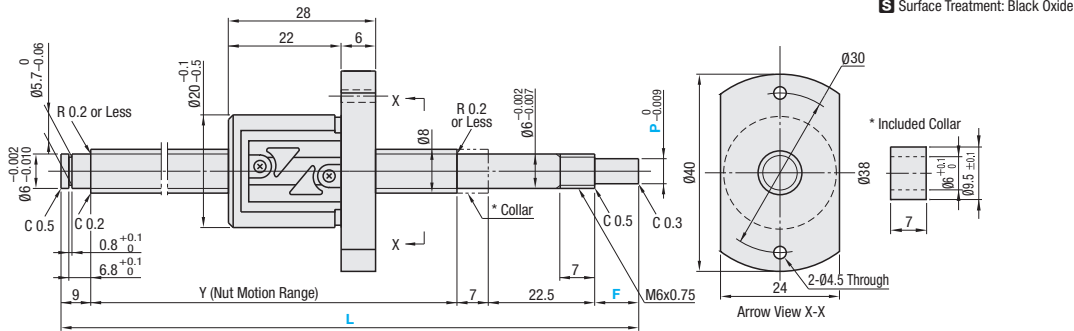
Rolled Ball Screws Standard Nut - Shaft Dia. 8: Lead 2, 4



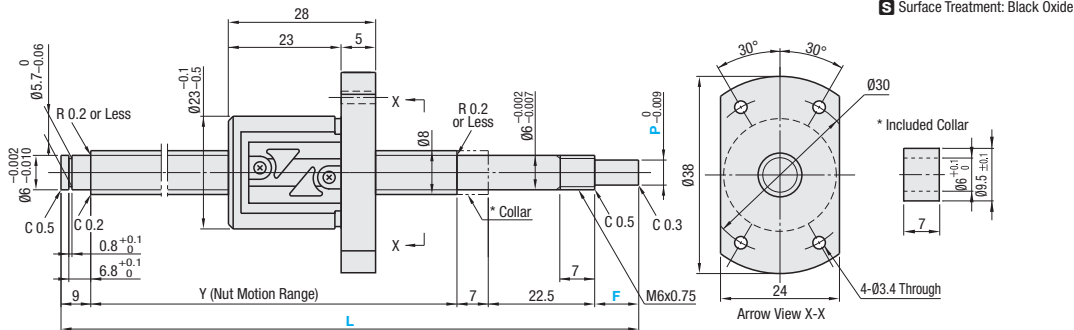
RoHS

Nut Type	Type		Accuracy Grade	Shaft Dia.	Lead	Screw Shaft			Nut			
	Standard	F, P Configurable				Material	Hardness	Surface Treatment	Material	Hardness	Surface Treatment	
Standard Nut	BSST	-	C7	8	2	1055	Induction Hardened	-	JIS SCM420	Carburized 58-62HRC	Phosphate Conversion Coating	
	BSSR	BSSR	C10		2, 4	Carbon Steel	56-62HRC	Phosphate Conversion Coating				
	BSSZ	BSSZK	C10		2			-				

BSST0802, BSSR (K) 0802, BSSZ (K) 0802



BSSR (K) 0804



Nut Type	Accuracy Grade	Part Number			1mm Increment			Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play	Twisting Direction
		Type	Screw Shaft O.D.	Lead	L	*F	*P						C (Dynamic) kN	Co (Static) kN		
Standard Nut	C7	BSST	08	02	100~380	7.5	4.5	L-46	1.5875	8.3	(6.6)	3.5 turns, 1 row	1.8	3.2	0.03 or Less	Right
	BSSR	100~400														
	BSSZ															
	BSSRK															
	BSSZK	8~13		4, 4.5	L-(38.5+F)											
	BSSR	04	100~380	7.5	4.5	L-46	2	8.4	(6.3)	2.5 turns, 1 row	1.9	3.1				
BSSRK	8~13			4, 4.5	L-(38.5+F)											

* F and P are configurable for BSSRK and BSSZK only. $F \leq P \times 3$

$$\text{kgf} = \text{N} \times 0.101972$$
Price **Configure Online**

Nut Type	Accuracy Grade	Part Number	Unit Price 1~4 pc(s).	
			L100~200	L201~400
Standard Nut	C7	BSST0802		
		BSSR0802		
	C10	BSSZ0802		
		BSSR0804		

For orders larger than indicated quantity, please request a quotation.



Ordering Example

Part Number	L	F	P
BSSZ0802	200		
BSSZK0802	370	F12	P4.5
 BSSR0802L	370	(L Type Greased)	
 BSSR0804G	370	(G Type Greased)	



Days to Ship

Configure Online

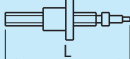
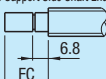
■ Notes

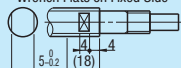
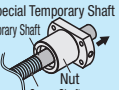
- 🔴 Mounting surface of BSST ball nut flange is not surface-treated.
- 🔴 Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K).
- 🔴 Various grease options are available. For specifications,  **P612**
- 🔴 For accuracy of Ball Screws, see **P612, 614**
- 🔴 For details of Support Units, see **P653~P668**
- 🔴 **Cautions:** Do not let the nuts overrun its stroke or remove the nuts from the screw shafts.
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 since it is required when mating with Support Units.
- 🔴 Do not tilt the ball screw assembly since the nut may rotate off from the shaft due to its own weight.



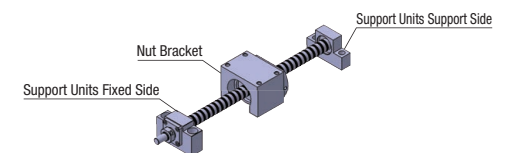
Alterations

 **Part Number** - **L** - **F** - **P** - (FC, MC, etc.)
BSSR0802 - 270 - SC5

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  Change 	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 Length 	FC	Changes the length of the support side shaft end. FC=1mm Increment [Ordering Code] FC20 ⚠ $10 \leq FC \leq 20$ ⚠ Y dimension is shortened.

Alterations	Code	Spec.
Wrench Flats on Fixed Side  Incomplete Hardened Area	SZC	Adds wrench flat on the fixed side shaft end. [Ordering Code] SZC ⚠ A ball bearings will fall out if a ball nut crosses the wrench flat.
Flat Machined on Fixed Side Shaft End  SC	SC	Adds a flat on the fixed side shaft end. SC=1mm Increment [Ordering Code] SC5 ⚠ $5 \leq SC \leq 12$ SC<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 1mm Increment [Ordering Code] SWC6 ⚠ $5 \leq SWC, SGC \leq Px3$ 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. ⚠ For installation method, see P613

■ **Peripherals:** combination of the following parts are available.



■ Combination with Support Units

Ball Screw Part Number			Recommended Support Unit					
Type	Screw Shaft O.D.	Lead	Part Number		Shape	Fixed Side	Support Side	Page
			Type	No.				
BSST BSSR BSSZ	08	02 04	BRW	6	Round	○		P665
			BUR	6			○	P667
			BSW	6	Square	○		P669
			BUN	6			○	P663

❗ Other than the part numbers shown above, a variety of Support Units are also available.
(P.653~P.668)

■ Combination with Nut Brackets

Ball Screw Part Number			Recommended Nut Bracket		
Type	Screw Shaft O.D.	Lead	Part Number		Page
			Type	No.	
BSST BSSR BSSZ	08	02	BNFB BNFM BNFR BNFA	802R	P670
		04			P670
					P670
				804R	P670

⚠ Besides other part numbers, a variety of Nut Brackets are available. (P.670)