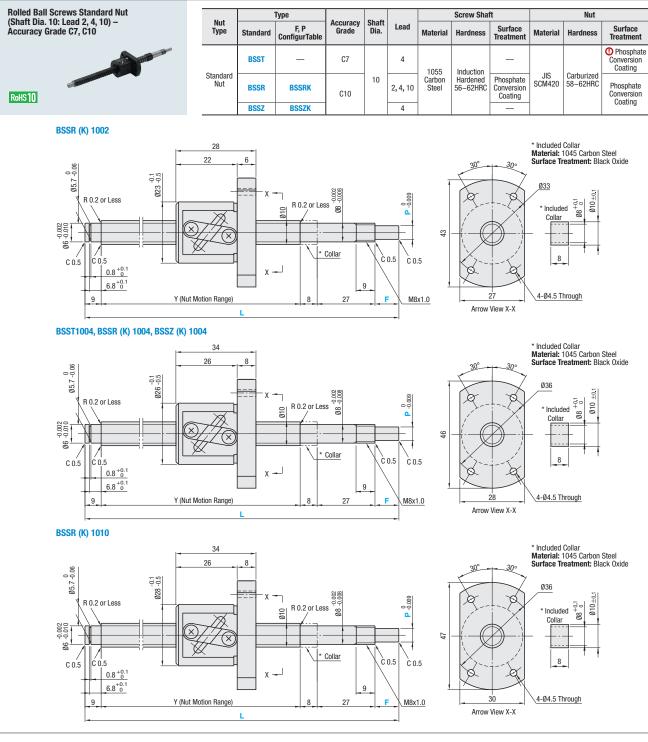
# Rolled Ball Screws Standard Nut (Shaft Dia. 10: Lead 2, 4, 10)

Accuracy Grade C7, C10



Nut Type	Accuracy Grade	Part Number		1mm Increment				Ball	Screw	Number	Basic Load Rating			Twisting		
		Туре	Screw Shaft 0.D.	Lead	L	*F	*P	Y	Ball Dia.	Center Dia.		of Circuits	C (Dynamic) kN	Co (Static) kN	Axial Play	Direction
	C10	BSSR		02	150-585	10	6	L-54	1.5875	10.3	(9.4)	(8.4)	1.7 3	3	0.05 or Less	or Less
		BSSRK	] [			10-18	5, 6	L-(44+F)	1.0070	10.5	(0.4)		1.7	3	0.00 01 Less	
	C7	BSST	] [		]							0.54			0.03 or Less	
04	C10	BSSR	1 1	04	150-600	10 6	6	L-54 L-(44+F)	2.3812	10.6	(7.8)	2.5 turns, 1 row	2.3	4.8		
Standard Nut		BSSZ	10													Right
Nut		BSSRK	1			10–18	5. 6								0.05 or Less	
		BSSZK				10-10	3, 0	L-(44+F)							0.00 01 Less	
		BSSR	] [	10	150-585	10	6	L-54		10.6	(7.8)	1.5 turns, 1 row	1.85 3.	2.2		
		BSSRK	]	10		10-18	5, 6	L-(44+F)						3.2		
Fand P are configurable for BSSRK and BSSZK only. ① F≤Px3 kgf=Nx0.101972																

There's more on the web: misumiusa.com

### **MISUMI**

## Rolled Ball Screws Standard Nut (Shaft Dia. 10: Lead 2, 4, 10)

Accuracy Grade C7, C10, continued

Nut Type	Accuracy	Part Number	Available Types				
Nut Type	Grade	rait Nullibei	L150~200	L201~400	L401~600		
	C10	BSSR1002	•	•	•		
	C7	BSST1004	•	•	•		
Standard Nut		BSSR1004	•	•	•		
	C10	BSSZ1004	•	•	•		
		BSSR1010	•	•	•		



Part Number

**Alterations** 

RSS7K1004 370

BSSR1004L - 370 (L Type Greased) BSSR1004G - 370 (G Type Greased)

Part Number L - F (FC, KC, etc.) SC7

L

### No Machining on Support No machining added on the support side shaft end. Ordering Code: NC **Ball Nut Orientation Reversed** Changes the nut direction. (Support Side) (Fixed Side) No Retaining Ring Groove on Support Side Shaft End Retaining ring groove in not machined on the support side shaft end. Ordering Code: RNC (1) Combination with FC is not available Change Support Side Shaft End Length Changes the length of the support side shaft end. FC=1mm Incremen Ordering Code: FC20 ① 11≤FC≤20 6.8 FC 1 Y dimension is shortened. Wrench Flats on Fixed Side Adds wrench flat on the fixed side shaft end Ordering Code: SZC A ball bearings will fall out if a ball nut crosses 8-02 (20)

Alterations	Code	Spec.
Keyway on Fixed Side Shaft End	KC	Adds a keyway on the fixed side shaft end.  ⊗ P=5 is not applicable. KC=1 mm Increment Ordering Code: KC5  1 2≤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.)  ⊗ P=5 is not applicable. K, S=1mm Increment Ordering Code: KLC-K5-S2  ① 3≤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: SC7 ① 5≤SC≤Px3 SC≤F-1
2 Flats Machined on Fixed Side	SWC	Adds two flats on the fixed side shaft end.

SWC: 90° Position SGC: 120° Position

① 5≤SWC, SGC≤Px3 SWC, SGC≤F-1

Special Temporary Shaft used for installing Ball Screw Nut. Always use Special Temporary Shaft when removing or installing Ball Screw Nut.

1 mm Incremen

Ordering Code: SWC7

Mounting surface of BSST ball nut flange is not surface-treated.

① Various grease options are available. For specifications, **P.752**.

with care since it is required when mating with Support Units.

① For accuracy of Ball Screws, see P.752-754.

Tor details of Support Units, see P.792-802.

1 Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K).

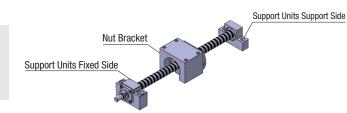
① Cautions: Do not let the nuts overrun its stroke or remove the nuts from the screw shafts It may cause the balls to fall out or damage the ball recirculation parts.

1 Included Collar is packaged together with main body of Ball Screws. Store this Included Collar

① Do not tilt the ball screw assembly since the nut may rotate off from the shaft due to its own weight.

### Peripherals: Combination of the following parts are available





SGC

Installing Special Temporary Shaft

#### **Combination with Support Units**

Incomplete Hardened Area

	Ball S	crew Part N	umber	Recommended Support Units							
	Time	Screw Shaft 0.D.	Lead	Part N	umber	Shape	Fixed Side	Support Side	Page		
	Type			Туре	No.						
		10	02 04 10	BRW	88	Round	0	_	P.800		
	BSST			BUR	6		_	0	P.802		
	BSSR BSSZ			BSW	88		0	_	P.794		
				BUN	8		_	$\bigcirc$	P.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**

Ba	II Screw Part Num	iber	Recommended Nut Bracket				
_	Screw Shaft		Part N	_			
Туре	O.D.	Lead	Туре	No.	Page		
BSST	10	02	BNFB BNFM BNFR	1002R	P.810		
BSSR		04		1004R	P.810		
BSSZ		10	BNFA	1010R	P.810		