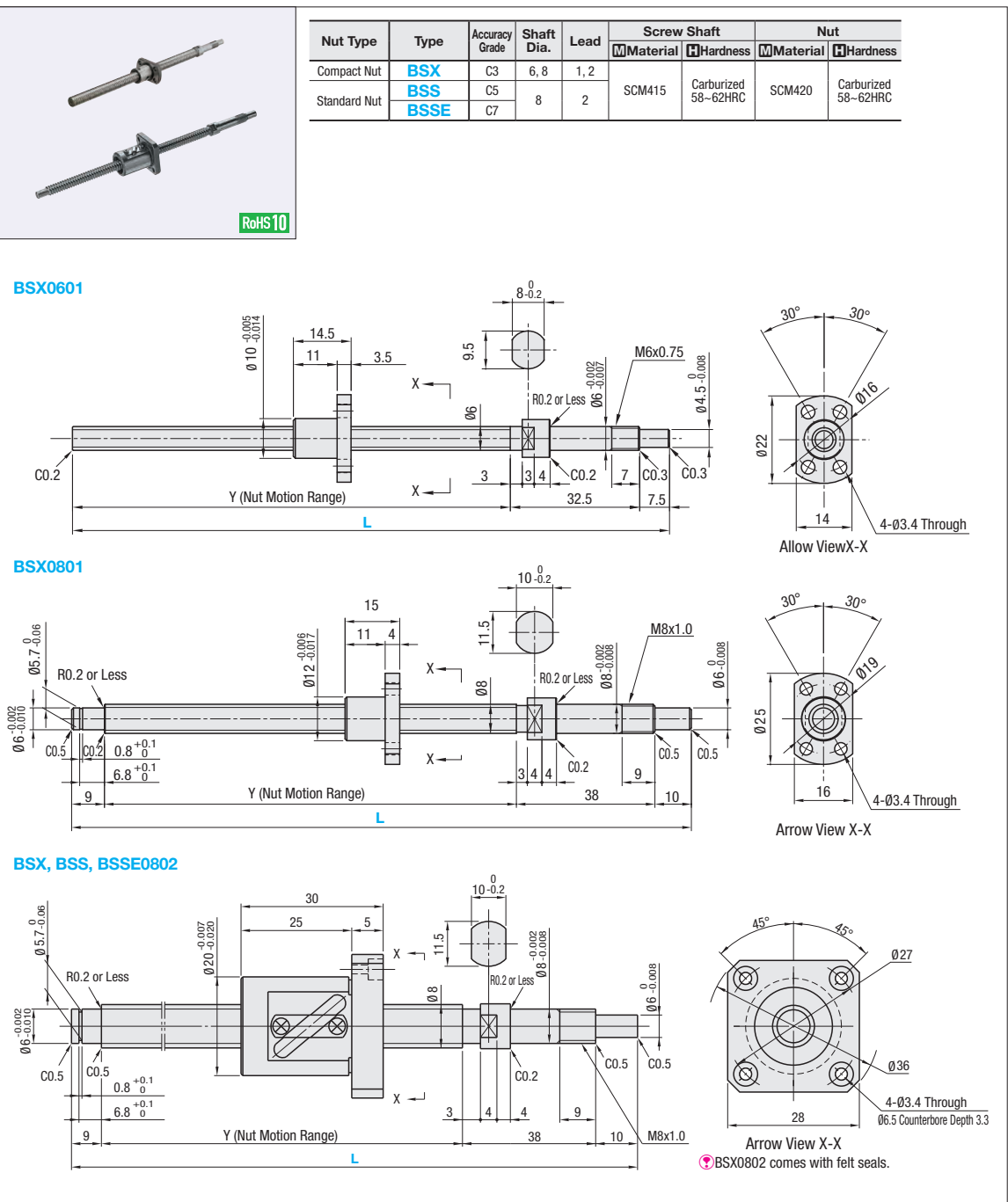


Precision Ball Screws Compact Nut - Shaft Dia. 6, 8, Lead 1, 2

Accuracy Grade C3, C5, C7

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	Accuracy Grade	Part Number			1mm Increment	Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating		Axial Play	Preload Torque N·cm	Twisting Direction
		Type	Screw Shaft O.D.	Lead							C (Dynamic) kN	Co (Static) kN			
Compact Nut	C3	BSX	06	01	80~205	L-40	0.800	6.24	(5.3)	1 turn, 3 rows	0.55	1.15	0 (Preloaded)	1.3 or Less	Right
			08	01	80~255						0.65	1.6		1.8 or Less	
Standard Nut	C5	BSS	08	02	100~240	L-57	1.5875	8.3	(6.6)	2.5 turns, 1 row	1.22	1.3	0.005 or Less	0.3~2.6	
					100~210						1.95	2.6		0.030 or Less	

kgf=Nx0.101972

Nut Type	Accuracy Grade	Part Number	Unit Price 1 ~ 4 pc(s).				
			L80~99	L100~160	L161~205	L206~210	L211~240
Compact Nut	C3	BSX0601				-	-
		BSX0801				-	-
Standard Nut	C5	BSX0802	-				-
		BSS0802	-				-
	C7	BSSE0802	-				-

Ordering Example	Part Number	-	L
	BSX0601	-	185
	BSS0802	-	200
	BSS0802L	-	210 (L Type Greased)
	BSS0802G	-	210 (G Type Greased)

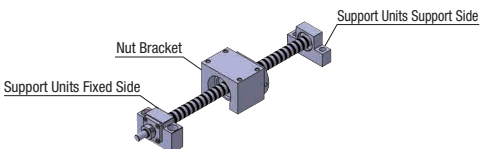
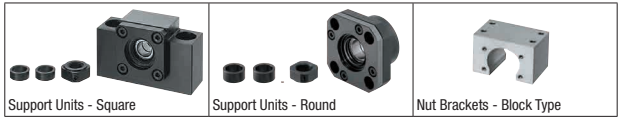
Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.) (BSX is filled with Multemp Grease PS2 made by Kyodo Yushi Co., Ltd.)
- Cautions: 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.
- Various grease options are available. For price and specifications, see P.686. BSX is not applicable.
- For accuracy of Ball Screws, see P.2223 and P.2224.
- For details of Support Units, see P.753~P.778.
- Use one of the support unit accessory collars on the fastening nut side.

Alterations	Part Number	-	L	-	(FC, KC ... etc.)
	BSS0802	-	190	-	KC3

Alterations	Code	Spec.	Alterations	Code	Spec.
No Machining on Support Side Shaft End	NC	No machining added on the support side shaft end. Ordering Code NC BSX0601 is not applicable.	Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P.684	KC	Adds a keyway on the fixed side shaft end. KC=1mm Increment Ordering Code KC6 3≤KC≤9 BSX0601 is not applicable.
Ball Nut Orientation Reversed (Support Side) (Fixed Side)	RLC	Changes the nut direction. Ordering Code RLC	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-K5-S1 4≤K+S≤9 BSX0601 is not applicable.
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. BSX0601 is not applicable.	Flat Machined on Fixed Side Shaft End	SC	Adds a flat on the fixed side shaft end. SC=1mm Increment Ordering Code SC7 5≤SC≤6 (BSX0601) 5≤SC≤9 (BSX0801, 0802)
Change Support Side Shaft End Length	FC	Changes the length of the support side shaft end. FC=1mm Increment Ordering Code FC20 10≤FC≤20 Y dimension is shortened. BSX0601 and 0801 are not applicable.	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≤SWC, SGC≤6 (BSX0601) 5≤SWC, SGC≤9 (BSX0801, 0802)

Peripherals: Combination of the following parts is 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
BSX BSS BSSE	06	01	BRW	6	Round	○
			BSW	6	Square	○
			BRW	8	Round	○
			BUR	6	Round	○
	08	01	BSW	8	Round	○
			BUN	8	Square	○
			BUN	8	Square	○
			BUN	8	Square	○

Other than the part numbers shown above, Support Units with various configurations and surface treatments are also available. (P.761~P.778)

Combination with Nut Brackets

Ball Screw Part Number			Recommended Nut Bracket		
Type	Screw Shaft O.D.	Lead	Part Number		Page
			Type	No.	
BSX BSS BSSE	06	01	-	-	-
	08	01	BNFB BNFM BNFR BNFA	801X	P.780
		02		802S	P.780

A variety of materials and surface treatments for Nut Brackets are available. (P.780)