C-VALUE Precision Ball Screws Standard Nut - Shaft Dia. 25; Lead 5, 10, 25

Accuracy Grade C5

Part Number & Spec.Change Printed in Purple

Points of comparison between similar products

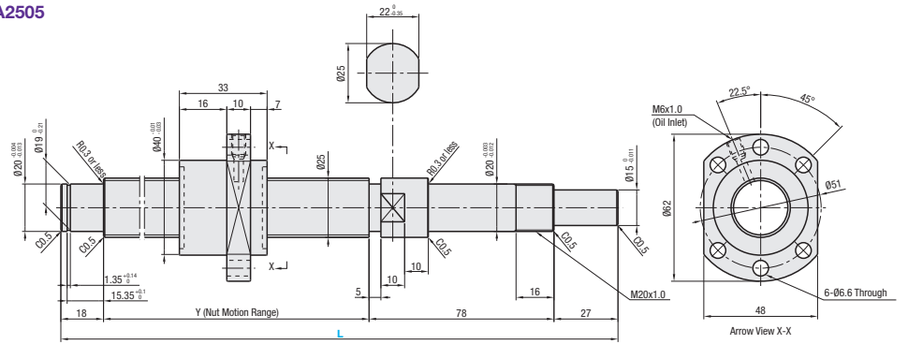
- Due to the difference in load rating and positioning accuracy (lead accuracy + axial play), the price is lower than that of similar products.
- When considering adopting C-VALUE parts, select them by comparing against similar products in the specifications. P. 749 ~ P. 750.

Similar Product Pages P. 749, P. 750

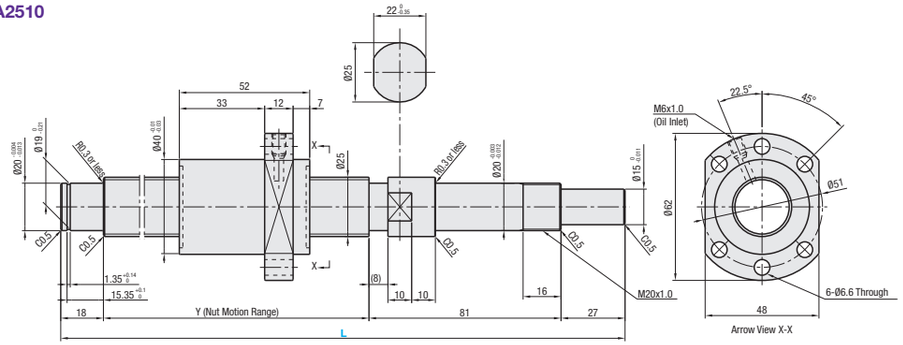
RoHS 10

Nut Type	Type	Accuracy Grade	Shaft Dia.	Lead	Screw Shaft		Nut	
					M Material	H Hardness	M Material	H Hardness
Standard Nut	C-BSSA	C5	25	5, 10, 25	S55C	Induction Hardened 58~62 HRC	SCM415	Carburized 58~62 HRC

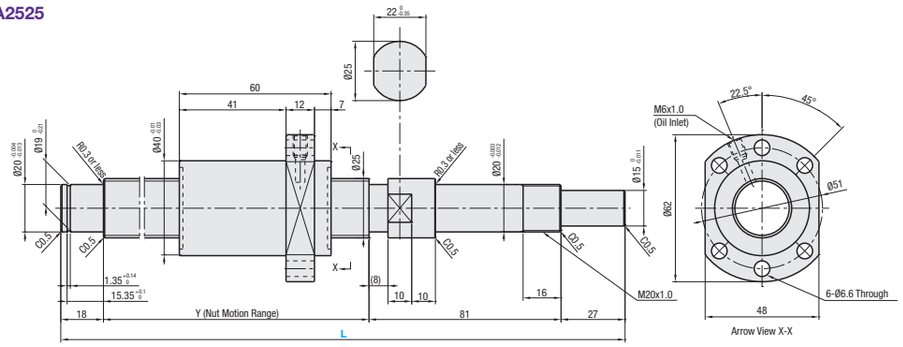
C-BSSA2505



C-BSSA2510



C-BSSA2525



Nut Type	Accuracy Grade	Part Number Type	Part Number Screw Shaft O.D.	Part Number Lead	1 mm Increments L	Y	Ball Dia.	Ball Center Dia.	Screw Root Dia.	Number of Circuits	Basic Load Rating C (Dynamic) kN	Basic Load Rating Co (Static) kN	Axial Clearance	Preload Torque N·cm	Twisting Direction
Standard Nut	C5	C-BSSA	25	05	300~995	L - 123	3.175	26.08	(22.905)	3.8 turns, 1 row	7.8	18.2	0.015 or less	6.0 or less	Right
				10	300~1500	L - 126					11.3	23.4			
				25						1.8 turns, 1 row	7.3	14.1			

kgf = N x 0.101972

Nut Type	Accuracy Grade	Part Number	JPY Unit Price: 1 to 4 pc(s). L300~400	L401~595	L596~600	L601~800	L801~1000	L1001~1200	L1201~1500
Standard Nut	C5	C-BSSA2505						-	-
		C-BSSA2510							
		C-BSSA2525							

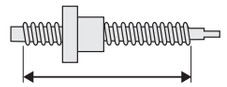
Ordering Example

Part Number	-	L
C-BSSA2510	-	720

Notes

- Filled with lithium soap based grease (Alvania Grease S2 made by Showa Shell Sekiyu K.K.).
- For accuracy of Ball Screws, see **P. 2285**, **2286**.
- For details of Support Units, see **P. 771** ~ **P. 796**.
- 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.
- The collar included with this product should be installed in the same position as indicated with the "* Collar" text on the drawing. In addition, the collar included with the Support Unit product should be installed and tightened on the nut side of the ball screw.
- Note that, when a ball screw shaft or ball screw nut is tilted, it may be fallen out by its own weight.

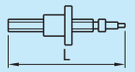
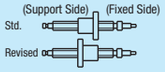
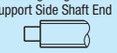
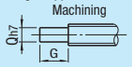
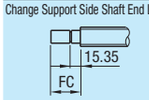
[Do not let a nut overrun]

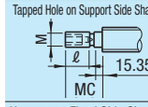
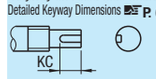
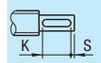
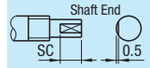
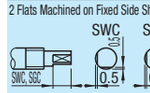


[Do not take a nut off]

Alterations

Part Number	-	L	-	(FC, MC...etc.)
C-BSSA2505	-	789	-	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) Std. / Revised 	RLC	Changes the nut direction. Ordering Code RLC
No Retaining Ring Groove on Support Side Shaft End 	RNC	No retaining ring groove is 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 or 20. G = 1 mm Increments Ordering Code GC - Q10 - G20 ?5 ≤ G ≤ Q x 3 ?Y dimension is shortened. ?No Retaining Ring Groove ⊗Combination with GC is not available.
Change Support Side Shaft End Length 	FC	Changes the length of the support side shaft end. FC = 1 mm Increments Ordering Code FC20 ?19 ≤ FC ≤ 60 ?Y dimension is shortened. ⊗Combination with FC is not available.

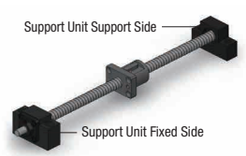
Alterations	Code	Spec.
Tapped Hole on Support Side Shaft End 	MC	Adds a tapped hole on the support side shaft end. MC = 1 mm Increments Ordering Code MC40 (M: M8 x 1.25; ℓ: 20) ?Y dimension is shortened. ?28 ≤ MC ≤ 60
Keyway on Fixed Side Shaft End Detailed Keyway Dimensions P. 684 	KC	Adds a keyway on the fixed side shaft end. KC = 1 mm Increments Ordering Code KC20 ?5 ≤ KC ≤ 26
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 that of KC.) K, S = 1 mm Increments Ordering Code KLC - K20 - S3 ?6 ≤ K + S ≤ 26
Flat Machined on Fixed Side Shaft End 	SC	Adds a flat on the fixed side shaft end. SC = 1 mm Increments Ordering Code SC20 ?5 ≤ SC ≤ 26
2 Flats Machined on Fixed Side Shaft End 	SWC SGC	Adds two flats on the fixed side shaft end. SWC: 90° Position, SGC: 120° Position 1 mm Increments Ordering Code SWC20 ?5 ≤ SWC,SGC ≤ 26

Peripherals: Combination with the following parts is available.

Support Units (Square)

Support Units (Round)

?Nut Brackets for C-Value Ball Screws are not available.



Combination with Support Units

Ball Screw Part Number Type	Screw Shaft O.D.	Lead	Recommended Support Unit Part Number Type	No.	Shape	Fixed Side	Support Side	Page
C-BSSA	25	05	C-BRW	20	Round	○		P. 769
		10	C-BUR				○	P. 770
		25	C-BSW		Square	○		P. 763
			C-BUN				○	P. 764

?Other than the part numbers shown above, a rich variety of Support Units are also available. (**P. 761~P. 780**)