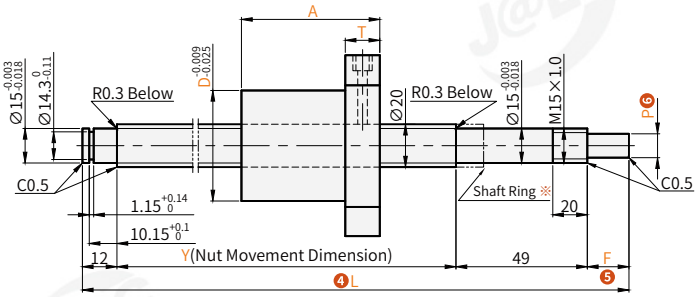
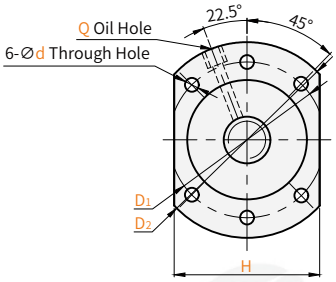
Order guide

B	SU	F	-	C7	-	20	-	5	-	L100	-	F20	-	P8	-	JA
Major category	Category	Series		1 Accuracy Grade		2 Shaft Diameter		3 Lead		4 Length		5 End Distance		6 Rod Diameter		7 Optional Machining

◉Please refer to the series code to select the type and parameters for ordering.

Code	Nut Shape	Accuracy Grade 1	Material		Heat Treatment		Hardness	
			Screw	Nut	Screw	Nut	Screw	Nut
BSUF-C7-20	SFUR Nut Type	C7	S55C	SCM415H	High Frequency	Carburizing and Quenching	56~62HRC	56~62HRC





P	Tolerance
8~10	0 -0.009
11~12	0 -0.011

Visual standards: first perspective

◉※Please use the shaft ring supplied with the matching ball screw support assembly; the ball screw support assemblies in this catalog are supplied with shaft rings.

Model			L 4	F 5	P 6	Thread Direction	Y	D
Code	Shaft Diameter 2	Lead 3	Min.Unit 1					
BSUF-C7-20	20	5	100~1500	20~36	8~12	Right-Hand Thread	L-(61+F)	36

Model			A	T	D1	D2	H	d	E	Q	Basic Rated Load(KN)	
Code	Shaft Diameter 2	Lead 3									C(Dynamic)	Co(Static)
BSUF-C7-20	20	5	51	10	47	58	44	6.6	—	M6	15.2	37.97

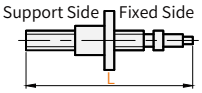
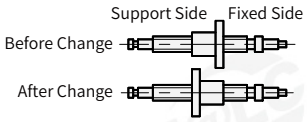
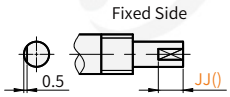
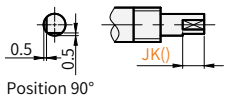
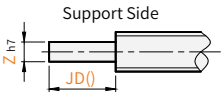
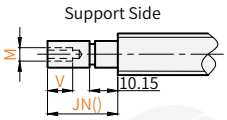
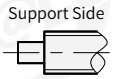
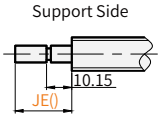
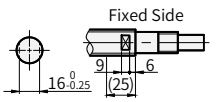
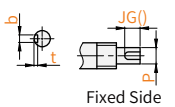
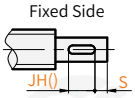
○Recommended Combinations of Rolled Ball Screws and Ball Screw Support Assemblies

Code	Shaft Diameter	Lead	Support Shape	Recommended Ball Screw Fixed Supports	Recommended Ball Screw Support Units
BSUF-C7-20	20	5	Round Flange	FK-C5-15	BJSE-E1-15
			Square	BJSG-E1-15	BJSK-E1-15
				BJSM-E1-15	

○Combination of Rolled Ball Screw and Nut Support

Model			Nut Support	
Code	Shaft Diameter	Lead	Code	Specification
BSUF-C7-20	20	10	BJTM-E1-Y BJTM-N1-Y BJTM-H1-Y	2010
		20		2020

Optional Machining

Code ❼	Optional Illustration	Selection Method
JA	Do Not Machine the Shaft End on the Support Side 	JA
JB	Change Nut Orientation 	JB
JJ()	Add Flat on Shaft End at Fixed Side (1 Location) 	JJ5 • Min.Unit 1
JK()	Add Flats on Shaft End at Fixed Side (2 Locations) 	JK4 • Min.Unit 1 • JK Value Range：5 Below
JD()	Modify Machining on Support Side 	JD20-Z10 • Min.Unit 1 • Dimension Z15 Changed to Z10 and Z12
JN()	Add Threaded Hole on Shaft End at Support Side 	JN20 • Min.Unit 1 • JN Value Range: 21–30 • Total Length L Remains Unchanged; Y Dimension Reduced M: M6×1.0, V: 15
JC	Do Not Machine Snap Ring Groove on Shaft End at Support Side 	JC • Cannot Be Used Together with JE
JE()	Modify Shaft End Length at Support Side 	JE20 • Min.Unit 1 • JE Value Range：13~30。 • Total Length L Remains Unchanged; Y Dimension Reduced
JF	Add Wrench Flats on Shaft End at Fixed Side 	JF
JG()	Add Keyway on Shaft End at Fixed Side 	JG15 • Min.Unit 1 • Keyway Width＜JG Value≤F Value P Value: 8~10, b: 3, t: 1.8; 11~12, b: 4, t: 2.5
JH()	Add Keyway on Shaft End at Fixed Side 	JH7-S2 • Min.Unit 1