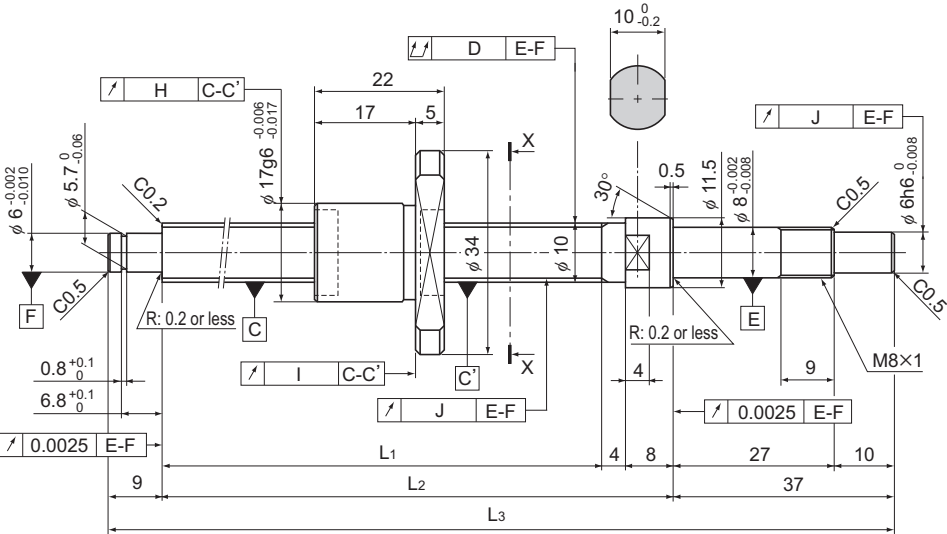


BNK1002-3 Shaft Diameter: 10; Lead: 2

DN value

70,000

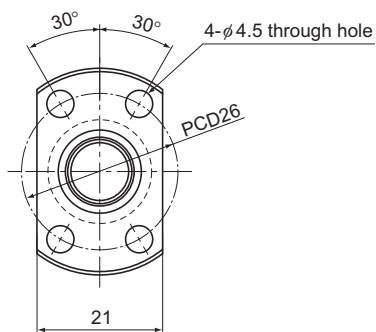


Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 1002-3RRG0+143LC3Y	50	85	97	143
BNK 1002-3RRG0+143LC5Y				
BNK 1002-3RRG2+143LC7Y				
BNK 1002-3RRG0+193LC3Y	100	135	147	193
BNK 1002-3RRG0+193LC5Y				
BNK 1002-3RRG2+193LC7Y				
BNK 1002-3RRG0+243LC3Y	150	185	197	243
BNK 1002-3RRG0+243LC5Y				
BNK 1002-3RRG2+243LC7Y				
BNK 1002-3RRG0+293LC3Y	200	235	247	293
BNK 1002-3RRG0+293LC5Y				
BNK 1002-3RRG2+293LC7Y				

Notes: A stainless steel type is also available for Model BNK1002. When placing an order, add symbol "M" to the end of the model number.

(Example) BNK1002-3RRG0+143LC3Y M
Symbol for stainless steel type

For accuracy grades C3 and C5, GT clearance is also available as standard.



X-X arrow view

Ball screw specifications			
Lead (mm)	2		
BCD (mm)	10.3		
Thread minor diameter (mm)	9		
Threading direction, No. of threaded grooves	Rightward, 1		
No. of circuits	1 turn × 3 rows		
Clearance symbol	G0	GT	G2
Axial clearance (mm)	0	0.005 or less	0.02 or less
Basic dynamic load rating Ca (kN)	1.5	1.5	1.5
Basic static load rating C _{0a} (kN)	2.9	2.9	2.9
Preload torque (N·m)	to 2.5×10 ²	—	—
Spacer ball	None	None	None
Rigidity value (N/μm)	100		
Circulation method	Deflector		

Unit: mm

	Runout of the screw shaft axis	Runout of the nut circumference	Flange mounting surface runout	Runout of the thread groove surface	Lead angle accuracy		Nut mass	Shaft mass	Permissible rotational speed
	D	H	I	J	Representative travel distance error	Fluctuation	kg	kg/m	min ⁻¹
	0.02	0.009	0.008	0.007	±0.008	0.008	0.045	0.47	3,500
	0.035	0.012	0.01	0.011	±0.018	0.018	0.045	0.47	3,500
	0.04	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.01	0.008	0.045	0.47	3,500
	0.035	0.012	0.01	0.011	±0.02	0.018	0.045	0.47	3,500
	0.04	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.01	0.008	0.045	0.47	3,500
	0.04	0.012	0.01	0.011	±0.02	0.018	0.045	0.47	3,500
	0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.012	0.008	0.045	0.47	3,500
	0.04	0.012	0.01	0.011	±0.023	0.018	0.045	0.47	3,500
	0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500