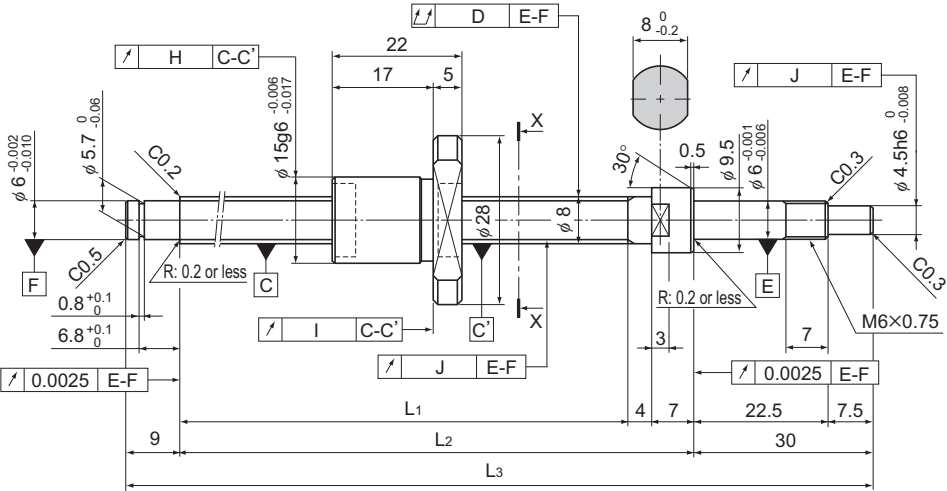


BNK0802-3 Shaft Diameter: 8; Lead: 2

DN value

70,000

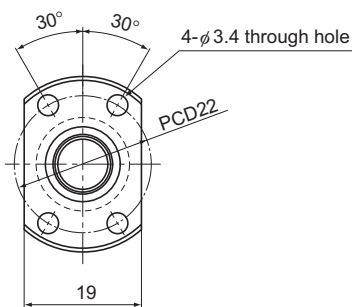


Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 0802-3RRG0+125LC3Y	40	75	86	125
BNK 0802-3RRG0+125LC5Y				
BNK 0802-3RRG2+125LC7Y				
BNK 0802-3RRG0+155LC3Y	70	105	116	155
BNK 0802-3RRG0+155LC5Y				
BNK 0802-3RRG2+155LC7Y				
BNK 0802-3RRG0+185LC3Y	100	135	146	185
BNK 0802-3RRG0+185LC5Y				
BNK 0802-3RRG2+185LC7Y				
BNK 0802-3RRG0+235LC3Y	150	185	196	235
BNK 0802-3RRG0+235LC5Y				
BNK 0802-3RRG2+235LC7Y				

Notes: A stainless steel type is also available for Model BNK0802. When placing an order, add symbol "M" to the end of the model number.

(Example) BNK0802-3RRG0+125LC3Y 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)	8.3		
Thread minor diameter (mm)	7		
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)	1.4	1.4	1.4
Basic static load rating C _{0a} (kN)	2.3	2.3	2.3
Preload torque (N·m)	to 2 × 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
	0.025	0.009	0.008	0.008	±0.008	0.008	0.034	0.27	3,500
	0.025	0.012	0.01	0.01	±0.018	0.018	0.034	0.27	3,500
	0.035	0.02	0.014	0.014	Travel distance: ±0.05/300		0.034	0.27	3,500
	0.03	0.009	0.008	0.008	±0.01	0.008	0.034	0.27	3,500
	0.035	0.012	0.01	0.01	±0.02	0.018	0.034	0.27	3,500
	0.05	0.02	0.014	0.014	Travel distance: ±0.05/300		0.034	0.27	3,500
	0.03	0.009	0.008	0.008	±0.01	0.008	0.034	0.27	3,500
	0.035	0.012	0.01	0.01	±0.02	0.018	0.034	0.27	3,500
	0.05	0.02	0.014	0.014	Travel distance: ±0.05/300		0.034	0.27	3,500
	0.035	0.009	0.008	0.008	±0.01	0.008	0.034	0.27	3,500
	0.05	0.012	0.01	0.01	±0.02	0.018	0.034	0.27	3,500
	0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.034	0.27	3,500