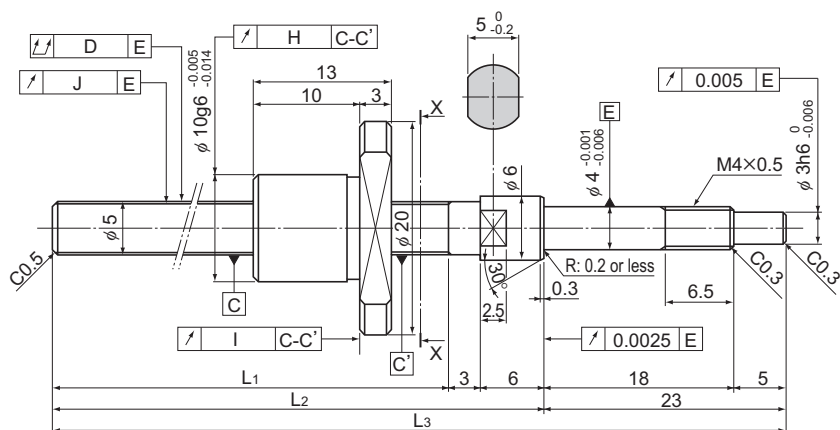


BNK0501-3 Shaft Diameter: 5; Lead: 1

DN value

70,000



Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 0501-3G0+77LC3Y	20	45	54	77
BNK 0501-3G0+77LC5Y				
BNK 0501-3G2+77LC7Y				
BNK 0501-3G0+97LC3Y	40	65	74	97
BNK 0501-3G0+97LC5Y				
BNK 0501-3G2+97LC7Y				
BNK 0501-3G0+127LC3Y	70	95	104	127
BNK 0501-3G0+127LC5Y				
BNK 0501-3G2+127LC7Y				

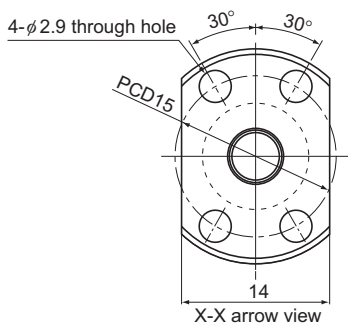
Notes: A stainless steel type is also available for Model BNK0501. When placing an order, add symbol "M" to the end of the model number.

(Example) BNK0501-3G0+77LC3Y M

Symbol for stainless steel type

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

Positioning Ball Screw



Ball screw specifications			
Lead (mm)	1		
BCD (mm)	5.15		
Thread minor diameter (mm)	4.4		
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 C_a (kN)	0.32	0.32	0.32
Basic static load rating C_{0a} (kN)	0.55	0.55	0.55
Preload torque (N·m)	to 9.8×10^{-3}	—	—
Spacer ball	None	None	None
Rigidity value (N/μm)	47		
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 kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹
	D	H	I	J	Representative travel distance error	Fluctuation			
	0.015	0.009	0.008	0.008	±0.008	0.008	0.012	0.11	3,500
	0.025	0.012	0.01	0.01	±0.018	0.018	0.012	0.11	3,500
	0.035	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11	3,500
	0.02	0.009	0.008	0.008	±0.008	0.008	0.012	0.11	3,500
	0.025	0.012	0.01	0.01	±0.018	0.018	0.012	0.11	3,500
	0.035	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11	3,500
	0.025	0.009	0.008	0.008	±0.008	0.008	0.012	0.11	3,500
	0.035	0.012	0.01	0.01	±0.018	0.018	0.012	0.11	3,500
	0.05	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11	3,500