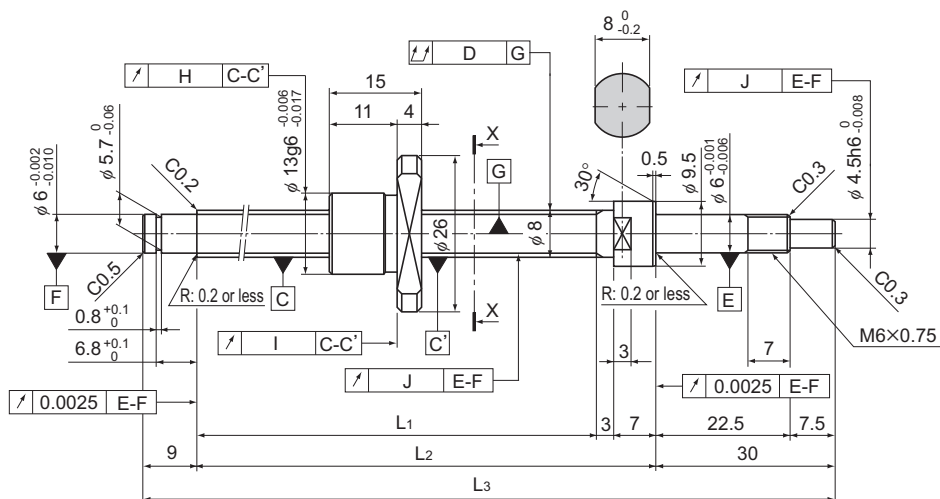


# BNK0801-3 Shaft diameter: 8; lead: 1

DN value	70000
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Model No.	Stroke	Screw shaft length		
		L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
BNK 0801-3G0+115LC3Y	40	66	76	115
BNK 0801-3G0+115LC5Y				
BNK 0801-3G2+115LC7Y				
BNK 0801-3G0+145LC3Y	70	96	106	145
BNK 0801-3G0+145LC5Y				
BNK 0801-3G2+145LC7Y				
BNK 0801-3G0+175LC3Y	100	126	136	175
BNK 0801-3G0+175LC5Y				
BNK 0801-3G2+175LC7Y				
BNK 0801-3G0+225LC3Y	150	176	186	225
BNK 0801-3G0+225LC5Y				
BNK 0801-3G2+225LC7Y				

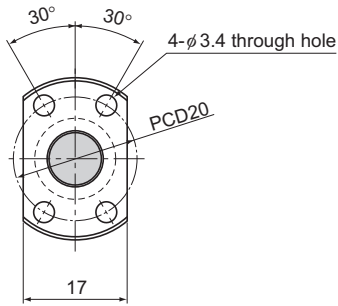
Note) A stainless steel type is also available for model BNK0801. When placing an order, add symbol "M" to the end of the model number.

(Example) BNK0801-3G0+115LC3Y M

Symbol for stainless steel type

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

## Positioning Ball Screw



X-X arrow view

Ball Screw Specifications			
Lead (mm)	1		
BCD (mm)	8.2		
Thread minor diameter (mm)	7.3		
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)	0.64	0.64	0.64
Basic static load rating $C_{0a}$ (kN)	1.4	1.4	1.4
Preload torque (N•m)	to $1.8 \times 10^2$	—	—
Spacer ball	None	None	None
Rigidity value (N/ $\mu$ m)	80		
Circulation method	Deflector		

Unit: mm

	Runout of the screw shaft axis D	Runout of the nut circumference H	Flange mounting surface runout I	Runout of the thread groove surface J	Lead angle accuracy		Nut mass kg	Shaft mass kg/m
					Representative travel distance error	Fluctuation		
	0.025	0.009	0.008	0.008	$\pm 0.008$	0.008	0.024	0.29
	0.025	0.012	0.01	0.01	$\pm 0.018$	0.018	0.024	0.29
	0.035	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.024	0.29
	0.03	0.009	0.008	0.008	$\pm 0.008$	0.008	0.024	0.29
	0.035	0.012	0.01	0.01	$\pm 0.018$	0.018	0.024	0.29
	0.05	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.024	0.29
	0.03	0.009	0.008	0.008	$\pm 0.01$	0.008	0.024	0.29
	0.035	0.012	0.01	0.01	$\pm 0.02$	0.018	0.024	0.29
	0.05	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.024	0.29
	0.035	0.009	0.008	0.008	$\pm 0.01$	0.008	0.024	0.29
	0.05	0.012	0.01	0.01	$\pm 0.02$	0.018	0.024	0.29
	0.065	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.024	0.29

Ball Screw