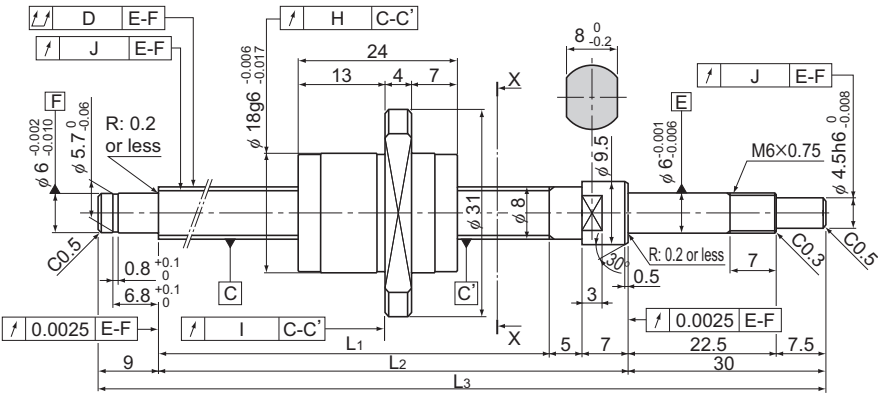
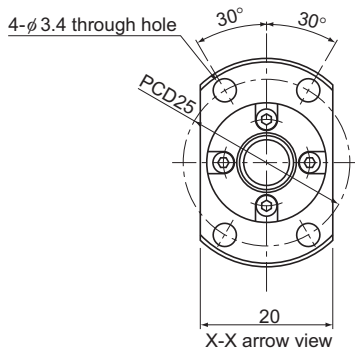


BNK0810-3 Shaft Diameter: 8; Lead: 10

DN value	70,000
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Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 0810-3GT+205LC5Y	100	154	166	205
BNK 0810-3G2+205LC7Y				
BNK 0810-3GT+255LC5Y	150	204	216	255
BNK 0810-3G2+255LC7Y				
BNK 0810-3GT+305LC5Y	200	254	266	305
BNK 0810-3G2+305LC7Y				
BNK 0810-3GT+355LC5Y	250	304	316	355
BNK 0810-3G2+355LC7Y				
BNK 0810-3GT+405LC5Y	300	354	366	405
BNK 0810-3G2+405LC7Y				



Ball screw specifications		
Lead (mm)	10	
BCD (mm)	8.4	
Thread minor diameter (mm)	6.7	
Threading direction, No. of threaded grooves	Rightward, 2	
No. of circuits	1.5 turns × 2 rows	
Clearance symbol	GT	G2
Axial clearance (mm)	0.005 or less	0.02 or less
Basic dynamic load rating Ca (kN)	2.16	2.16
Basic static load rating C _{0a} (kN)	3.82	3.82
Preload torque (N·m)	—	—
Spacer ball	None	None
Rigidity value (N/μm)	100	
Circulation method	End cap	

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
	0.05	0.012	0.01	0.01	±0.02	0.018	0.049	0.3	3,500
	0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.049	0.3	3,500
	0.05	0.012	0.01	0.01	±0.023	0.018	0.049	0.3	3,500
	0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.049	0.3	3,500
	0.05	0.012	0.01	0.01	±0.023	0.018	0.049	0.3	3,500
	0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.049	0.3	3,500
	0.06	0.012	0.01	0.01	±0.023	0.018	0.049	0.3	3,500
	0.075	0.02	0.014	0.014	Travel distance: ±0.05/300		0.049	0.3	3,500
	0.07	0.012	0.01	0.01	±0.025	0.018	0.049	0.3	3,500
	0.09	0.02	0.014	0.014	Travel distance: ±0.05/300		0.049	0.3	3,500