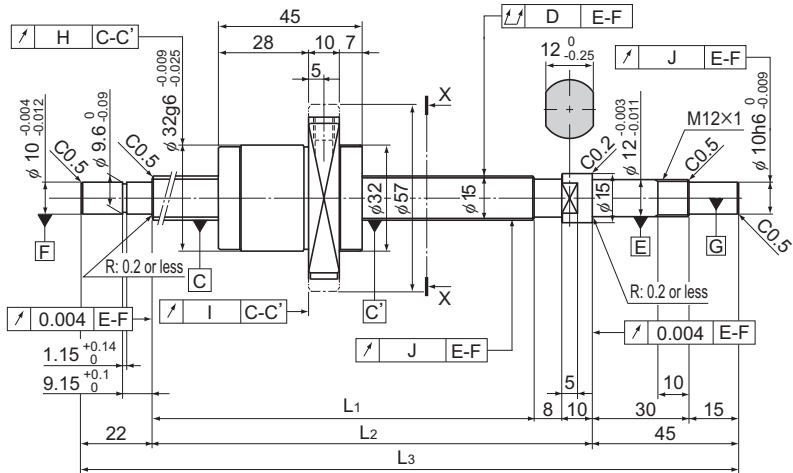


BNK1520-3 Shaft diameter: 15; lead: 20

DN value

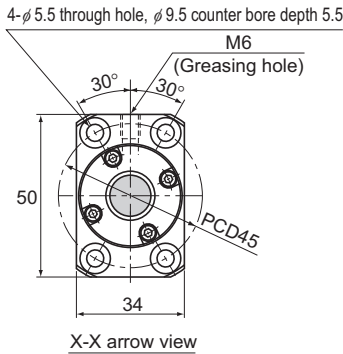
70000



Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 1520-3G0+321LC5Y	150	236	254	321
BNK 1520-3G2+321LC7Y				
BNK 1520-3G0+371LC5Y	200	286	304	371
BNK 1520-3G2+371LC7Y				
BNK 1520-3G0+421LC5Y	250	336	354	421
BNK 1520-3G2+421LC7Y				
BNK 1520-3G0+471LC5Y	300	386	404	471
BNK 1520-3G2+471LC7Y				
BNK 1520-3G0+521LC5Y	350	436	454	521
BNK 1520-3G2+521LC7Y				
BNK 1520-3G0+571LC5Y	400	486	504	571
BNK 1520-3G2+571LC7Y				
BNK 1520-3G0+621LC5Y	450	536	554	621
BNK 1520-3G2+621LC7Y				
BNK 1520-3G0+671LC5Y	500	586	604	671
BNK 1520-3G2+671LC7Y				
BNK 1520-3G0+721LC5Y	550	636	654	721
BNK 1520-3G2+721LC7Y				
BNK 1520-3G0+771LC5Y	600	686	704	771
BNK 1520-3G2+771LC7Y				
BNK 1520-3G0+871LC5Y	700	786	804	871
BNK 1520-3G2+871LC7Y				
BNK 1520-3G0+971LC5Y	800	886	904	971
BNK 1520-3G2+971LC7Y				

Note) For accuracy grade C5, clearance GT is also standardized.

Positioning Ball Screw



Ball Screw Specifications			
Lead (mm)	20		
BCD (mm)	15.75		
Thread minor diameter (mm)	12.5		
Threading direction, No. of threaded grooves	Rightward, 2		
No. of circuits	1.5 turns \times 2 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)	5.1	8	8
Basic static load rating C_{0a} (kN)	7.9	15.8	15.8
Preload torque (N·m)	2×10^2 to 8.8×10^2	—	—
Spacer ball	1 : 1	None	None
Rigidity value (N/ μ m)	110	200	
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 kg	Shaft mass kg/m
					Representative travel distance error	Fluctuation		
	D	H	I	J				
	0.035	0.015	0.011	0.012	± 0.023	0.018	0.32	1.05
	0.055	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.035	0.015	0.011	0.012	± 0.023	0.018	0.32	1.05
	0.055	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.04	0.015	0.011	0.012	± 0.025	0.02	0.32	1.05
	0.06	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.04	0.015	0.011	0.012	± 0.025	0.02	0.32	1.05
	0.06	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.05	0.015	0.011	0.012	± 0.027	0.02	0.32	1.05
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.05	0.015	0.011	0.012	± 0.027	0.02	0.32	1.05
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.05	0.015	0.011	0.012	± 0.03	0.023	0.32	1.05
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.065	0.015	0.011	0.012	± 0.03	0.023	0.32	1.05
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.065	0.015	0.011	0.012	± 0.035	0.025	0.32	1.05
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.065	0.015	0.011	0.012	± 0.035	0.025	0.32	1.05
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.085	0.015	0.011	0.012	± 0.035	0.025	0.32	1.05
	0.12	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05
	0.085	0.015	0.011	0.012	± 0.04	0.027	0.32	1.05
	0.12	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.32	1.05