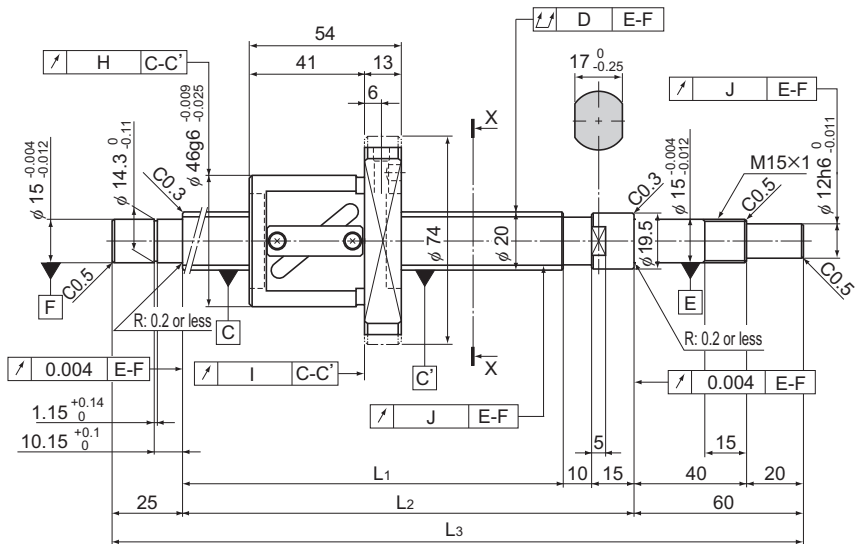


BNK2010-2.5 Shaft Diameter: 20; Lead: 10

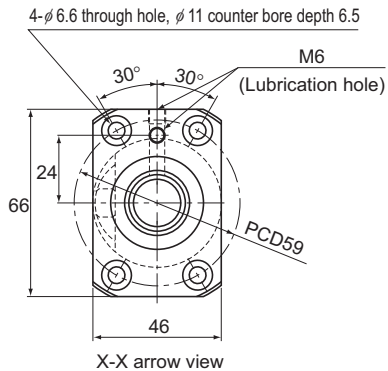
DN value

70,000



Model No.	Stroke	Screw shaft length		
		L ₁	L ₂	L ₃
BNK 2010-2.5RRG0+499LC5Y	300	389	414	499
BNK 2010-2.5RRG2+499LC7Y				
BNK 2010-2.5RRG0+599LC5Y	400	489	514	599
BNK 2010-2.5RRG2+599LC7Y				
BNK 2010-2.5RRG0+699LC5Y	500	589	614	699
BNK 2010-2.5RRG2+699LC7Y				
BNK 2010-2.5RRG0+799LC5Y	600	689	714	799
BNK 2010-2.5RRG2+799LC7Y				
BNK 2010-2.5RRG0+899LC5Y	700	789	814	899
BNK 2010-2.5RRG2+899LC7Y				
BNK 2010-2.5RRG0+999LC5Y	800	889	914	999
BNK 2010-2.5RRG2+999LC7Y				
BNK 2010-2.5RRG0+1099LC5Y	900	989	1,014	1,099
BNK 2010-2.5RRG2+1099LC7Y				
BNK 2010-2.5RRG0+1199LC5Y	1,000	1,089	1,114	1,199
BNK 2010-2.5RRG2+1199LC7Y				
BNK 2010-2.5RRG0+1299LC5Y	1,100	1,189	1,214	1,299
BNK 2010-2.5RRG2+1299LC7Y				

Notes: For accuracy grade C5, GT clearance is also standardized.



Ball screw specifications			
Lead (mm)	10		
BCD (mm)	21		
Thread minor diameter (mm)	16.4		
Threading direction, No. of threaded grooves	Rightward, 1		
No. of circuits	2.5 turns × 1 row		
Clearance symbol	G0	GT	G2
Axial clearance (mm)	0	0.005 or less	0.02 or less
Basic dynamic load rating Ca (kN)	7	11.1	11.1
Basic static load rating C _{0a} (kN)	11	22	22
Preload torque (N·m)	2×10 ⁻² to 9.8×10 ⁻²	—	—
Spacer ball	1 : 1	None	None
Rigidity value (N/μm)	110	210	
Circulation method	Return pipe		

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
	0.04	0.015	0.011	0.012	±0.025	0.02	0.58	1.81	3,330
	0.06	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.05	0.015	0.011	0.012	±0.027	0.02	0.58	1.81	3,330
	0.075	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.065	0.015	0.011	0.012	±0.03	0.023	0.58	1.81	3,330
	0.09	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.065	0.015	0.011	0.012	±0.035	0.025	0.58	1.81	3,330
	0.09	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.085	0.015	0.011	0.012	±0.035	0.025	0.58	1.81	3,330
	0.12	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.085	0.015	0.011	0.012	±0.04	0.027	0.58	1.81	3,330
	0.12	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.11	0.015	0.011	0.012	±0.04	0.027	0.58	1.81	3,330
	0.15	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.11	0.015	0.011	0.012	±0.046	0.03	0.58	1.81	3,330
	0.15	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330
	0.15	0.015	0.011	0.012	±0.046	0.03	0.58	1.81	3,330
	0.19	0.03	0.018	0.014	Travel distance: ±0.05/300		0.58	1.81	3,330