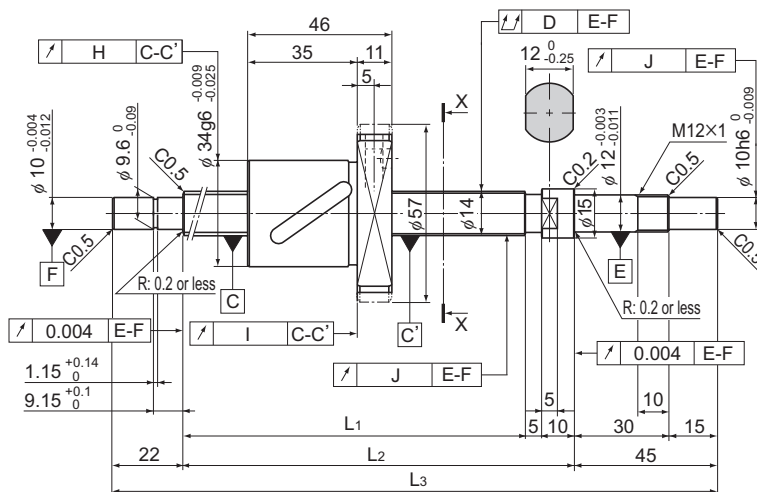


# BNK1408-2.5 Shaft diameter: 14; lead: 8

DN value

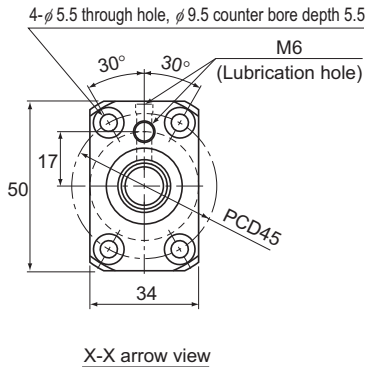
70000



Model No.	Stroke	Screw shaft length		
		L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
BNK 1408-2.5RRG0+321LC5Y	150	239	254	321
BNK 1408-2.5RRG2+321LC7Y				
BNK 1408-2.5RRG0+371LC5Y	200	289	304	371
BNK 1408-2.5RRG2+371LC7Y				
BNK 1408-2.5RRG0+421LC5Y	250	339	354	421
BNK 1408-2.5RRG2+421LC7Y				
BNK 1408-2.5RRG0+471LC5Y	300	389	404	471
BNK 1408-2.5RRG2+471LC7Y				
BNK 1408-2.5RRG0+521LC5Y	350	439	454	521
BNK 1408-2.5RRG2+521LC7Y				
BNK 1408-2.5RRG0+571LC5Y	400	489	504	571
BNK 1408-2.5RRG2+571LC7Y				
BNK 1408-2.5RRG0+621LC5Y	450	539	554	621
BNK 1408-2.5RRG2+621LC7Y				
BNK 1408-2.5RRG0+671LC5Y	500	589	604	671
BNK 1408-2.5RRG2+671LC7Y				
BNK 1408-2.5RRG0+721LC5Y	550	639	654	721
BNK 1408-2.5RRG2+721LC7Y				
BNK 1408-2.5RRG0+771LC5Y	600	689	704	771
BNK 1408-2.5RRG2+771LC7Y				
BNK 1408-2.5RRG0+871LC5Y	700	789	804	871
BNK 1408-2.5RRG2+871LC7Y				

Note) For accuracy grade C5, clearance GT is also standardized.  
 Plug the unused lubrication hole before using the product.

## Positioning Ball Screw



Ball Screw Specifications			
Lead (mm)	8		
BCD (mm)	14.75		
Thread minor diameter (mm)	11.2		
Threading direction, No. of threaded grooves	Rightward, 1		
No. of circuits	2.5 turns $\times$ 1 row		
Clearance symbol	G0	GT	G2
Axial clearance (mm)	0	0.005 or less	0.02 or less
Basic dynamic load rating $C_a$ (kN)	4.3	6.9	6.9
Basic static load rating $C_{0a}$ (kN)	5.8	11.5	11.5
Preload torque (N·m)	$2 \times 10^2$ to $7.8 \times 10^2$	—	—
Spacer ball	1 : 1	None	None
Rigidity value (N/ $\mu$ m)	80	150	
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 kg	Shaft mass kg/m
					Representative travel distance error	Fluctuation		
	D	H	I	J				
	0.035	0.015	0.011	0.012	$\pm 0.023$	0.018	0.29	0.84
	0.055	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.035	0.015	0.011	0.012	$\pm 0.023$	0.018	0.29	0.84
	0.055	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.04	0.015	0.011	0.012	$\pm 0.025$	0.02	0.29	0.84
	0.06	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.04	0.015	0.011	0.012	$\pm 0.025$	0.02	0.29	0.84
	0.06	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.05	0.015	0.011	0.012	$\pm 0.027$	0.02	0.29	0.84
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.05	0.015	0.011	0.012	$\pm 0.027$	0.02	0.29	0.84
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.05	0.015	0.011	0.012	$\pm 0.03$	0.023	0.29	0.84
	0.075	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.065	0.015	0.011	0.012	$\pm 0.03$	0.023	0.29	0.84
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.065	0.015	0.011	0.012	$\pm 0.035$	0.025	0.29	0.84
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.065	0.015	0.011	0.012	$\pm 0.035$	0.025	0.29	0.84
	0.09	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84
	0.085	0.015	0.011	0.012	$\pm 0.035$	0.025	0.29	0.84
	0.12	0.03	0.018	0.014	Travel distance: $\pm 0.05/300$		0.29	0.84