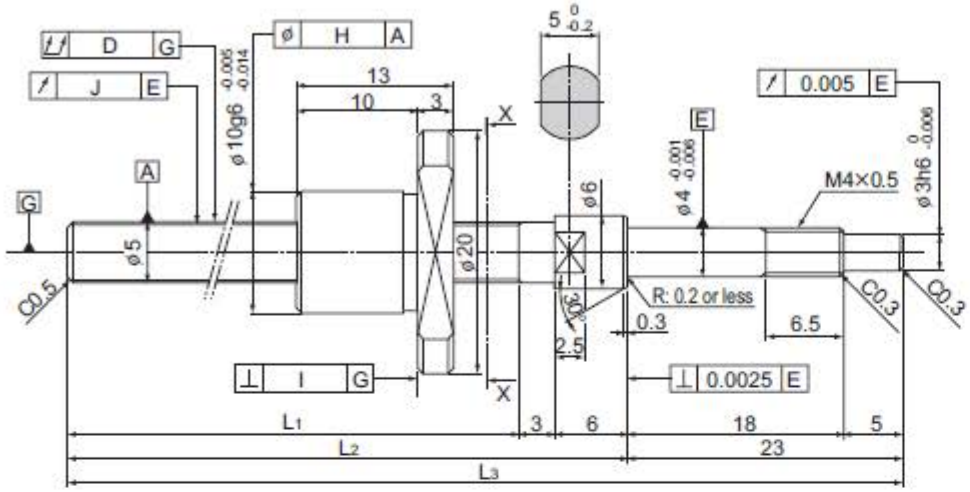
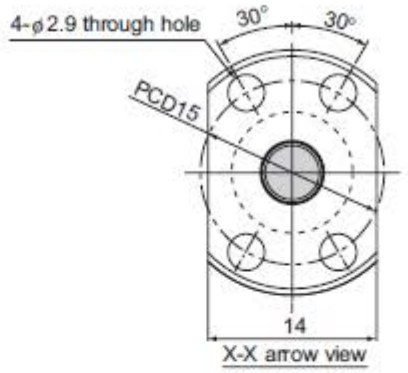
BNK0501-3 Shaft diameter: 5; lead: 1





Ball Screw Specifications			
Lead (mm)	1		
BCD(mm)	5.15		
Thread minor diameter (mm)	4.4		
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 Ca (kN)	0.32	0.32	0.32
Basic static load rating C0a(kN)	0.55	0.55	0.55
Preload torque (N-m)	to 9.8×10^{-3}	—	—
Spacer ball	None	None	None
Rigidity value(N/μm)	47		
Circulation method	Deflector		

Unit: mm

Model No.	Stroke	Screw shaft length			Runout of the screw shaft axis	Runout of the nut circumference	Flange perpendicularity	Runout of the thread groove surface	Lead angle accuracy		Nut mass	Shaft mass
		L_1	L_2	L_3	D	H	I	J	Representative travel distance error	Fluctuation	kg	kg/m
BNK 0501-3G0+77LC3Y	20	45	54	77	0.015	0.009	0.008	0.008	±0.008	0.008	0.012	0.11
BNK 0501-3G0+77LC5Y					0.025	0.012	0.01	0.01	±0.018	0.018	0.012	0.11
BNK 0501-3G2+77LC7Y					0.035	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11
BNK 0501-3G0+97LC3Y	40	65	74	97	0.02	0.009	0.008	0.008	±0.008	0.008	0.012	0.11
BNK 0501-3G0+97LC5Y					0.025	0.012	0.01	0.01	±0.018	0.018	0.012	0.11
BNK 0501-3G2+97LC7Y					0.035	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11
BNK 0501-3G0+127LC3Y	70	95	104	127	0.025	0.009	0.008	0.008	±0.008	0.008	0.012	0.11
BNK 0501-3G0+127LC5Y					0.035	0.012	0.01	0.01	±0.018	0.018	0.012	0.11
BNK 0501-3G2+127LC7Y					0.05	0.02	0.014	0.014	Travel distance: ±0.05/300		0.012	0.11

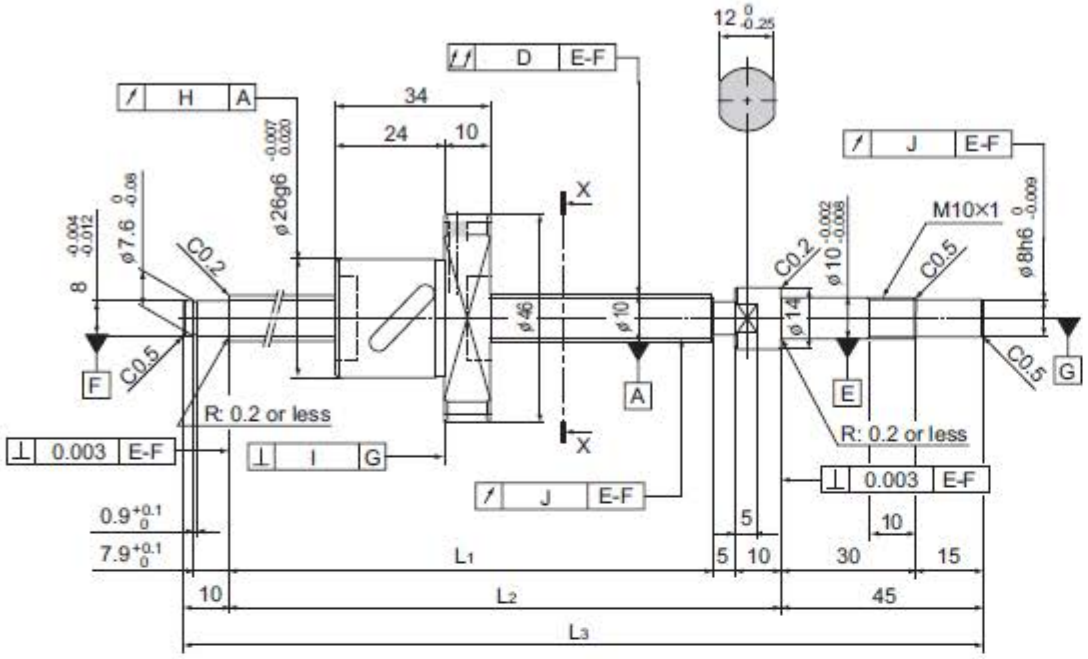
Note) A stainless steel type is also available for model BNK0501. When placing an order, add symbol "M" to the end of the model number.

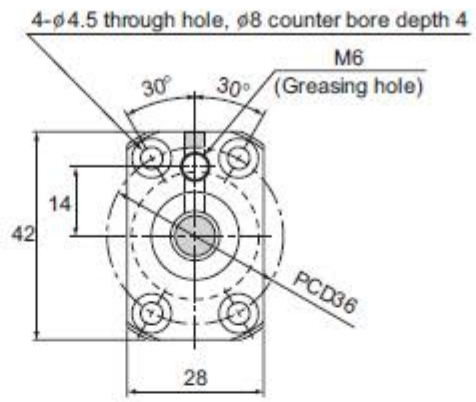
(Example) BNK0501-3G0+77LC3Y M
Symbol for stainless steel type

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

Description of Each Option⇒A-815 Dimensions⇒B-777

BNK1004-2.5 Shaft diameter: 10; lead: 4





X-X arrow view

Ball Screw Specifications			
Lead (mm)	4		
BCD(mm)	10.5		
Thread minor diameter (mm)	7.8		
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)	2.1	3.4	3.4
Basic static load rating C0a(kN)	2.7	5.4	5.4
Preload torque (N-m)	9.8×10^{-3} to 4.9×10^{-2}	—	—
Spacer ball	1 : 1	None	None
Rigidity value(N/μm)	50	100	
Circulation method	Return pipe		

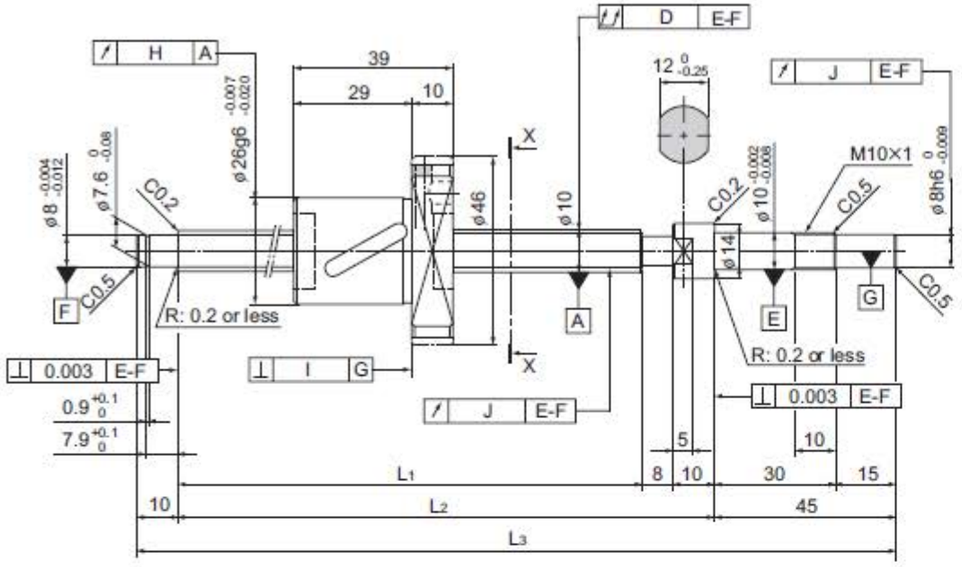
Unit: mm

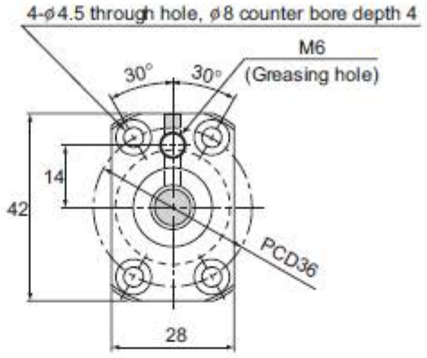
Model No.	Stroke	Screw shaft length			Runout of the screw shaft axis	Runout of the nut circumference	Flange perpendicularity	Runout of the thread groove surface	Lead angle accuracy		Nut mass	Shaft mass
		L_1	L_2	L_3	D	H	I	J	Representative travel distance error	Fluctuation	kg	kg/m
BNK 1004-2.5RRG0+180LC3Y	50	110	125	180	0.02	0.009	0.008	0.008	±0.01	0.008	0.15	0.32
BNK 1004-2.5RRG0+180LC5Y					0.035	0.012	0.01	0.011	±0.02	0.018	0.15	0.32
BNK 1004-2.5RRG2+180LC7Y					0.04	0.02	0.014	0.014	Travel distance: ±0.05/300		0.15	0.32
BNK 1004-2.5RRG0+230LC3Y	100	160	175	230	0.03	0.009	0.008	0.008	±0.01	0.008	0.15	0.32
BNK 1004-2.5RRG0+230LC5Y					0.04	0.012	0.01	0.011	±0.02	0.018	0.15	0.32
BNK 1004-2.5RRG2+230LC7Y					0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.15	0.32
BNK 1004-2.5RRG0+280LC3Y	150	210	225	280	0.03	0.009	0.008	0.008	±0.012	0.008	0.15	0.32
BNK 1004-2.5RRG0+280LC5Y					0.04	0.012	0.01	0.011	±0.023	0.018	0.15	0.32
BNK 1004-2.5RRG2+280LC7Y					0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.15	0.32
BNK 1004-2.5RRG0+330LC3Y	200	260	275	330	0.04	0.009	0.008	0.008	±0.012	0.008	0.15	0.32
BNK 1004-2.5RRG0+330LC5Y					0.05	0.012	0.01	0.011	±0.023	0.018	0.15	0.32
BNK 1004-2.5RRG2+330LC7Y					0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.15	0.32
BNK 1004-2.5RRG0+380LC3Y	250	310	325	380	0.04	0.009	0.008	0.008	±0.012	0.008	0.15	0.32
BNK 1004-2.5RRG0+380LC5Y					0.05	0.012	0.01	0.011	±0.023	0.018	0.15	0.32
BNK 1004-2.5RRG2+380LC7Y					0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.15	0.32

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

Description of Each Option⇒A-815 Dimensions⇒B-777

BNK1010-1.5 Shaft diameter: 10; lead: 10





X-X arrow view

Ball Screw Specifications			
Lead (mm)	10		
BCD(mm)	10.5		
Thread minor diameter (mm)	7.8		
Threading direction, No. of threaded grooves	Rightward, 1		
No. of circuits	1.5 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)	1.3	2.1	2.1
Basic static load rating C0a(kN)	1.6	3.1	3.1
Preload torque (N-m)	9.8×10^{-3} to 4.9×10^{-2}	—	—
Spacer ball	1 : 1	None	None
Rigidity value(N/μm)	70	140	
Circulation method	Return pipe		

Unit: mm

Model No.	Stroke	Screw shaft length			Runout of the screw shaft axis	Runout of the nut circumference	Flange perpendicularity	Runout of the thread groove surface	Lead angle accuracy		Nut mass	Shaft mass
		L_1	L_2	L_3	D	H	I	J	Representative travel distance error	Fluctuation	kg	kg/m
BNK 1010-1.5RRG0+240LC5Y	100	167	185	240	0.04	0.012	0.01	0.011	±0.02	0.018	0.17	0.5
BNK 1010-1.5RRG2+240LC7Y					0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.17	0.5
BNK 1010-1.5RRG0+290LC5Y	150	217	235	290	0.04	0.012	0.01	0.011	±0.023	0.018	0.17	0.5
BNK 1010-1.5RRG2+290LC7Y					0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.17	0.5
BNK 1010-1.5RRG0+340LC5Y	200	267	285	340	0.05	0.012	0.01	0.011	±0.023	0.018	0.17	0.5
BNK 1010-1.5RRG2+340LC7Y					0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.17	0.5
BNK 1010-1.5RRG0+390LC5Y	250	317	335	390	0.05	0.012	0.01	0.011	±0.025	0.02	0.17	0.5
BNK 1010-1.5RRG2+390LC7Y					0.065	0.02	0.014	0.014	Travel distance: ±0.05/300		0.17	0.5
BNK 1010-1.5RRG0+440LC5Y	300	367	385	440	0.065	0.012	0.01	0.011	±0.025	0.02	0.17	0.5
BNK 1010-1.5RRG2+440LC7Y					0.08	0.02	0.014	0.014	Travel distance: ±0.05/300		0.17	0.5

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

Description of Each Option⇒A-815 Dimensions⇒B-777