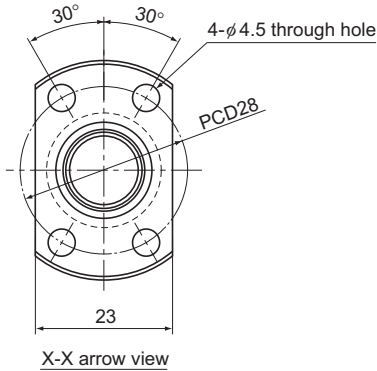


Positioning Ball Screw



Ball screw specifications			
Lead (mm)	2		
BCD (mm)	12.3		
Thread minor diameter (mm)	11		
Threading direction, No. of threaded grooves	Rightward, 1		
No. of circuits	1 turn \times 3 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)	1.7	1.7	1.7
Basic static load rating C_{0a} (kN)	3.6	3.6	3.6
Preload torque (N-m)	4.0×10^3 to 3.4×10^2	—	—
Spacer ball	None	None	None
Rigidity value (N/ μ m)	120		
Circulation method	Deflector		

Unit: mm

	Runout of the screw shaft axis D	Runout of the nut circumference H	Flange mounting surface runout I	Runout of the thread groove surface J	Lead angle accuracy		Nut mass kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹
					Representative travel distance error	Fluctuation			
	0.02	0.01	0.008	0.007	± 0.008	0.008	0.05	0.71	3,500
	0.035	0.012	0.01	0.011	± 0.018	0.018	0.05	0.71	3,500
	0.04	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.05	0.71	3,500
	0.03	0.01	0.008	0.007	± 0.01	0.008	0.05	0.71	3,500
	0.04	0.012	0.01	0.011	± 0.02	0.018	0.05	0.71	3,500
	0.055	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.05	0.71	3,500
	0.03	0.01	0.008	0.007	± 0.01	0.008	0.05	0.71	3,500
	0.04	0.012	0.01	0.011	± 0.02	0.018	0.05	0.71	3,500
	0.055	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.05	0.71	3,500
	0.04	0.01	0.008	0.007	± 0.012	0.008	0.05	0.71	3,500
	0.05	0.012	0.01	0.011	± 0.023	0.018	0.05	0.71	3,500
	0.055	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.05	0.71	3,500
	0.04	0.01	0.008	0.007	± 0.012	0.008	0.05	0.71	3,500
	0.05	0.012	0.01	0.011	± 0.023	0.018	0.05	0.71	3,500
	0.065	0.02	0.014	0.014	Travel distance: $\pm 0.05/300$		0.05	0.71	3,500