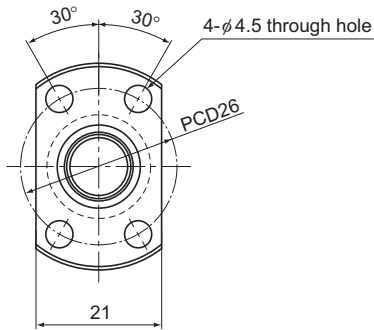


Positioning Ball Screw



X-X arrow view

Ball screw specifications			
Lead (mm)	2		
BCD (mm)	10.3		
Thread minor diameter (mm)	9		
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 C_a (kN)	1.5	1.5	1.5
Basic static load rating C_{0a} (kN)	2.9	2.9	2.9
Preload torque (N·m)	to 2.5×10^2	—	—
Spacer ball	None	None	None
Rigidity value (N/μm)	100		
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	0.009	0.008	0.007	±0.008	0.008	0.045	0.47	3,500
	0.035	0.012	0.01	0.011	±0.018	0.018	0.045	0.47	3,500
	0.04	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.01	0.008	0.045	0.47	3,500
	0.035	0.012	0.01	0.011	±0.02	0.018	0.045	0.47	3,500
	0.04	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.01	0.008	0.045	0.47	3,500
	0.04	0.012	0.01	0.011	±0.02	0.018	0.045	0.47	3,500
	0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500
	0.03	0.009	0.008	0.007	±0.012	0.008	0.045	0.47	3,500
	0.04	0.012	0.01	0.011	±0.023	0.018	0.045	0.47	3,500
	0.055	0.02	0.014	0.014	Travel distance: ±0.05/300		0.045	0.47	3,500