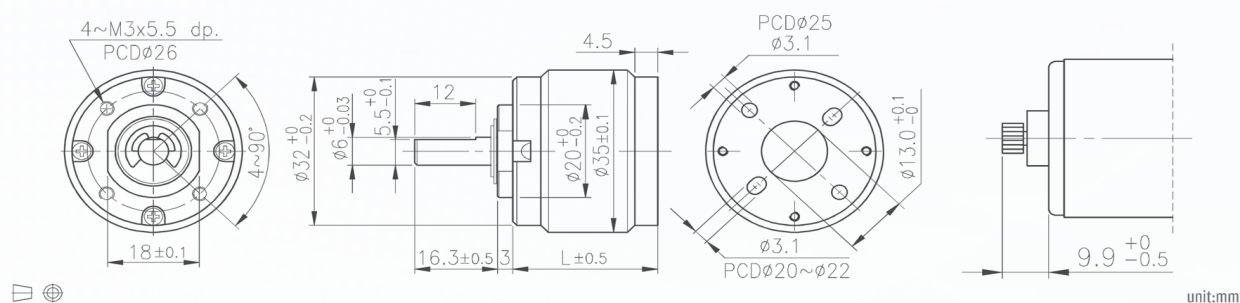




PLANETARY GEARBOX

35mm

P/N: MGD-1410S000



Housing material	Bearing at output	Radial load (10mm from flange)	Shaft axial load	Shaft press fit force, max.	Radial play of shaft	Thrust play of shaft	Backlash, at no-load
Powder Metal	Sleeve bearings	≤ 3 kgf	≤ 2.5 kgf	≤ 10 kgf	≤ 0.08 mm	≤ 0.3 mm	$\leq 2.5^\circ$
Powder Metal	Ball bearings	≤ 3.5 kgf	≤ 2.5 kgf	≤ 10 kgf	≤ 0.05 mm	≤ 0.3 mm	$\leq 2.5^\circ$

Module	No. of teeth	Pressure angle	Hole diameter	Reduction ratio
0.5	11	20°	ϕ 2.28, ϕ 2.48, ϕ 2.98, ϕ 3.16	1/5, 1/19, 1/27, 1/71, 1/100, 1/139, 1/264, 1/516, 1/721
0.5	17	20°	ϕ 2.28, ϕ 2.48, ϕ 2.98, ϕ 3.16	1/4, 1/14, 1/51, 1/189

Reduction ratio	1/4	1/5	1/14	1/19	1/2	1/51	1/71	1/100	1/139	1/189	1/264	1/516	1/721
Rated tolerance torque	2.0	2.0	4.0	4.0	6.0	8.0	8.0	10.0	1.0	12.0	12.0	12.0	12.0
Max momentary tolerance torque	6.0	6.0	12.0	12.0	18.0	24.0	24.0	30.0	30.0	36.0	36.0	36.0	36.0
Efficiency	80%	80%	70%	70%	70%	60%	60%	60%	60%	50%	50%	50%	50%
Length (L)	22.1	22.1	28.5	28.5	28.5	34.9	34.9	34.9	34.9	41.3	41.3	41.3	41.3
Weight (g) /Sleeve bearings	109	109	143	143	143	177	177	177	177	211	211	211	211
Weight (g) /Ball bearings	108	108	142	142	142	176	176	176	176	210	210	210	210

Operating relative humidity 20%~85%RH Operating temperature range -10°C ~ +60°C