ISL Products International, Ltd.
www.islproducts.com
(888) 904-9054

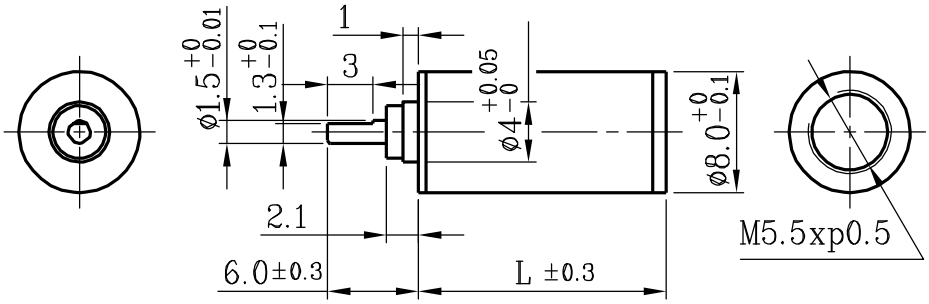
IG-08

Planetary Gear Gearhead Motor Series

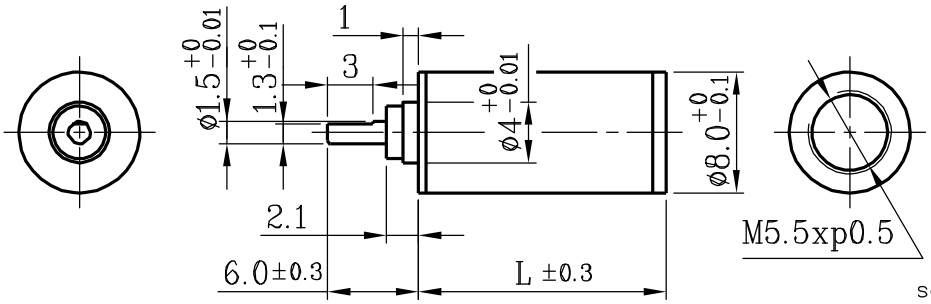
Housing material	metal	Backlash,at no-load	≦ 3°
Bearing at output		Sleeve bearings	Ball bearings
Radial load (5mm from flange)		≦ 80 gf	≦ 150 gf
Shaft axial load		≦ 100 gf	≦ 100 gf
Shaft press fit force,max.		≦ 500 gf	≦ 500 gf
Radial play of shaft		≦ 0.05 mm	≦ 0.04 mm
Thrust play of shaft		≦ 0.2 mm	≦ 0.2 mm

APPEARANCE SIZE

Sleeve bearings (Ⅰ)



Ball bearings (Ⅱ)

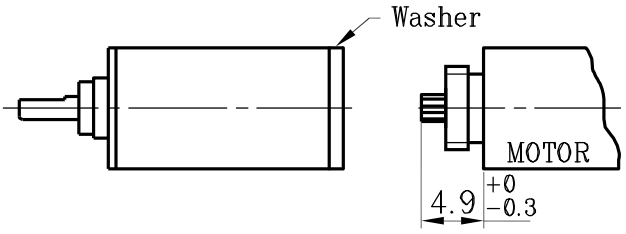


scale: 2:1

PINION SPECIFICATIONS

Module	0.16
No. of teeth	12
Pressure angle	20°
Hole diameter	ø0.99
Reduction ratio	Practicable

MOTOR INSTALLATION



20%~85%RH
Operating relative humidity

−10℃~+60℃
Operating temperature range

GEARBOXES SPECIFICATIONS

Reduction ratio	Exact reduction ratio	Rated tolerance torque	Max momentary tolerance torque	Efficiency	L	Weight (g) Sleeve bearings	Weight (g) Ball bearings
1/4	1/4	50 gf-cm Max.	150 gf-cm	85%	9.6	2.9	2.9
1/16	1/16	100 gf-cm Max.	300 gf-cm	75%	12.3	3.8	3.8
1/64	1/64	200 gf-cm Max.	600 gf-cm	65%	15.0	4.6	4.6
1/256	1/256	300 gf-cm Max.	900 gf-cm	55%	17.7	5.4	5.4
1/1024	1/1024	350 gf-cm Max.	1050 gf-cm	45%	20.4	6.3	6.3
1/4096	1/4096	400 gf-cm Max.	1200 gf-cm	40%	23.1	7.1	7.1