

Planetary Gearboxes PM Series

# PM24

This is a group of planetary gearbox or planetary gearhead of PJ series, precision series.

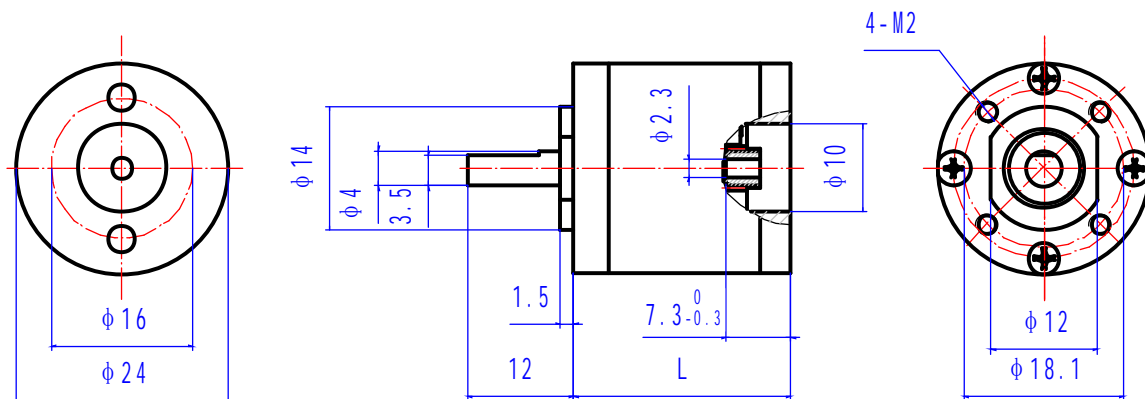
Its diameter is  $\varnothing 24$  mm. It has 5 stages, 5 length, and 20 models for your selection.

It is for DC, step or servo motor that the power is less than 5 W. The continuous output torque is 0.15-0.85 Nm.



Table 1: Features

Stages	Length (mm / in.)	Efficiency (%)	Weight (g / oz)
1	17.0 / 0.67	90	40 / 1.06
2	20.8 / 0.82	81	50 / 1.32
3	24.6 / 0.97	73	60 / 1.59
4	30.4 / 1.20	65	70 / 1.85
5	34.2 / 1.35	59	80 / 2.11



**Table 2: Material and load**

Items	Description
Shell Material	Carbon steel
Gear Materiel	First stage plastic, rest steel, hard gear surface
Output Shaft Materiel	Carbon steel
Flange Materiel	Aluminum
Bearing on Output End	Rolling bearing
Max. Input Speed	6,000 rpm
Max. Radial Load	8 N
Max. Axial Load	8 N
Max. Install Force	100 N
Radial Clearance	0.04 mm
Axial Clearance	0.04 mm
Operating Temperature	-10 to 85 , (14, to 185°F)

**Table 3: Ratio and output torque**

Model #	Ratio	Output Torque (Nm)		Stages
		Continuous	Intermittent	
1324001	3.57	0.15	0.2	1
1324003	4.60			
1324005	12.75	0.25	0.35	2
1324008	16.42			
1324011	21.16			
1324015	45.52	0.5	0.75	3
1324018	58.63			
1324023	75.54			
1324028	97.34			
1324035	162.50	0.85	1.36	4
1324038	209.30			
1324044	269.68			
1324051	347.49			
1324059	447.75			
1324070	580.12	0.85	1.5	5
1324073	747.19			
1324079	962.77			
1324088	1240.54	0.85	1.5	5
1324099	1598.45			
1324109	2059.63			

For more information about our planetary gearboxes in PJ series, PH series and PM series, please visit our website [www.broadwaygear.com](http://www.broadwaygear.com). Thanks!