

Rhino Planetary Geared Quad Encoder 500RPM 6Kgcm DC Servo Motor

Technical drawing of a 3D printed part showing three views: Top, Side, and Front views.

Top View: A circular part with a central hole of diameter $\phi 6$. The outer diameter is $\phi 32$. The distance from the center to the edge is $R10$. The part has four mounting holes with a diameter of $\phi 20$ and a pitch circle diameter (PCD) of 20 mm. The overall diameter is 18 mm.

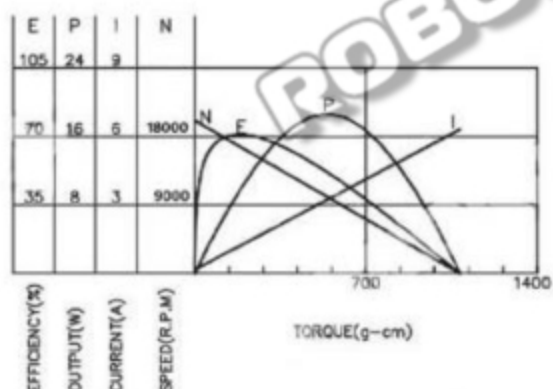
Side View: Shows the profile of the part. The total length is 51 mm. The distance from the center of the mounting holes to the end of the part is 29 mm. The distance from the center of the mounting holes to the center of the main body is 32 mm. The distance from the center of the main body to the end of the part is 12 mm. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$.

Front View: Shows the profile of the part. The total length is 51 mm. The distance from the center of the mounting holes to the end of the part is 29 mm. The distance from the center of the mounting holes to the center of the main body is 32 mm. The distance from the center of the main body to the end of the part is 12 mm. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$. The part has a central hole of diameter $\phi 6$ and a main body diameter of $\phi 32$.

Motor Type	Planetary Geared Motor
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	450RPM
Stall Torque(Kgcm)	22Kgcm
Rated Torque(Kgcm)	6Kgcm
Gear Ratio	1 : 37.7
CPR at Output Shaft of Motor	1960.4
Weight	300gm

Encoder Type	Quad Encoder
Quad Encoder	13 Hall Sensor
Base Motor CPR	13*4=52
Red	EncA
Orange	EncB
Yellow	Motor-
Green	Motor+
Brown	+5V DC
Black	Gnd

Nominal voltage(V)	12V
No-Load Speed (RPM)	18000
Rated Torque (gcm)	151
No-load current (A)	0.8A
Load current(A)	up to 7.5 A(Max)



Base Motor Characteristic Graph

