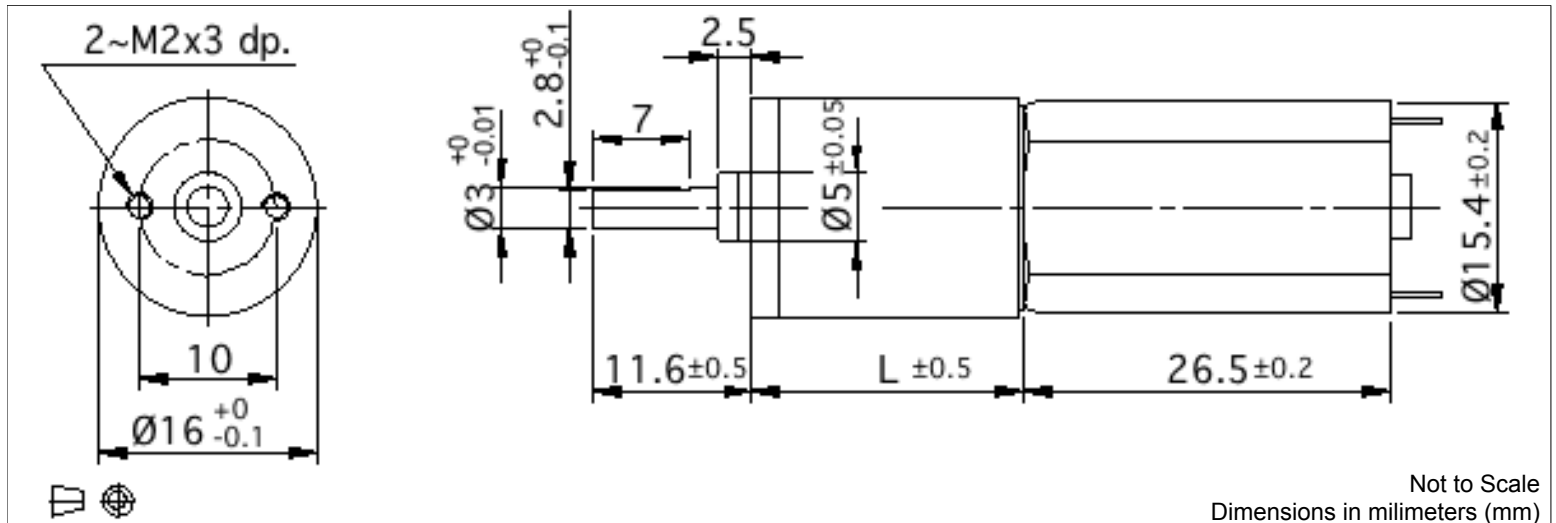


Planetary Gearmotor - 16 mm Ø



A16 •••• AS00

Global Motion Products



Ratio	Voltage Volts	Gearbox Efficiency %	No Load Speed rpm	Gearmotor No Load Current A	Stall Torque Nm	Continuous Torque Nm	Length L mm	Gearmotor Mass grams	Direction of Rotation*	Order Part Number
4:1	3 Volts	80 %	2,038 rpm	0.100 Amp	0.01 Nm		15.1 mm	37.0 grams	Same	A160004GM00
14:1	3 Volts	70 %	582 rpm	0.100 Amp	0.03 Nm		18.7 mm	41.0 grams	Same	A160014GM00
19:1	3 Volts	70 %	429 rpm	0.100 Amp	0.05 Nm		18.7 mm	41.0 grams	Same	A160019GM00
29:1	3 Volts	60 %	281 rpm	0.100 Amp	0.06 Nm		22.4 mm	45.0 grams	Same	A160029GM00
62:1	3 Volts	60 %	132 rpm	0.100 Amp	0.13 Nm		22.4 mm	45.0 grams	Same	A160062GM00
72:1	3 Volts	60 %	113 rpm	0.100 Amp	0.15 Nm		22.4 mm	45.0 grams	Same	A160072GM00
84:1	3 Volts	60 %	97 rpm	0.100 Amp	0.18 Nm		22.4 mm	45.0 grams	Same	A160084GM00
104:1	3 Volts	60 %	78 rpm	0.100 Amp	0.22 Nm		22.4 mm	45.0 grams	Same	A160104GM00
128:1	3 Volts	60 %	64 rpm	0.100 Amp	0.27 Nm		22.4 mm	45.0 grams	Same	A160128GM00
157:1	3 Volts	60 %	52 rpm	0.100 Amp	0.33 Nm		22.4 mm	45.0 grams	Same	A160157GM00
231:1	3 Volts	50 %	35 rpm	0.100 Amp	0.41 Nm		26.0 mm	49.0 grams	Same	A160231GM00
316:1	3 Volts	50 %	26 rpm	0.100 Amp	0.56 Nm		26.0 mm	49.0 grams	Same	A160316GM00
370:1	3 Volts	50 %	22 rpm	0.100 Amp	0.66 Nm		26.0 mm	49.0 grams	Same	A160370GM00

Radial Load Rating	≤ 4.9 N	Radial Play	≤ 0.05 mm	Max Temperature Oper.	60°C
Radial Load Distance	10 mm	Thrust Play	≤ 0.20 mm	Min Temperature Oper.	-10°C
Axial Load	≤ 4.9 N	Backlash	≤ 3.0 °	Relative Humidity Oper.	20% to 85%
Press Fit Force - Max	≤ 14.7 N	Options	Bearing	Sleeve	
CAUTION. Stall Torque is a theoretical calculation- NOT a rating/maximum value. Continuous Torque is the lesser of the Gearbox Continuous Torque Rating or the Motor's Continuous Torque Rating at gearbox output shaft.		Magnetic Encoders. Leads. Connectors. Pinion/Gear Mounting. Lubricants. Motor Windings. Gear material. Shaft modifications and component mounting.			

* Rotational Sense of Gearbox Output Shaft to Motor Shaft

Global Motion Products
Distributed by:
Precision Motion Distributors: (925) 803-9565
Technical Support: (760) 451-2723
<http://www.gmpwebsite.com> Email: info@gmpwebsite.com

PRELIMINARY

Specifications Subject to change without notice

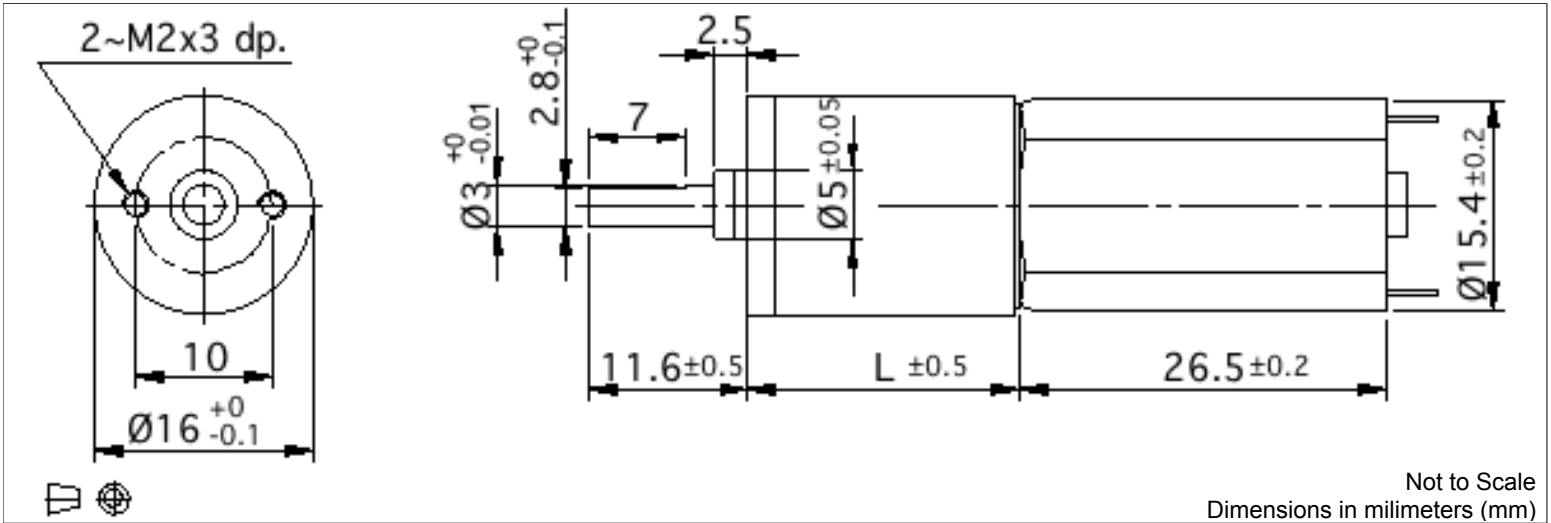
RoHS Compliant

Planetary Gearmotor - 16 mm Ø



A16 •••• AS00

Global Motion Products



Ratio	Voltage Volts	Gearbox Efficiency %	No Load Speed rpm	Gearmotor No Load Current A	Stall Torque Nm	Continuous Torque Nm	Length L mm	Gearmotor Mass grams	Direction of Rotation*	Order Part Number
455:1	3 Volts	50 %	18 rpm	0.100 Amp	0.81 Nm		26.0 mm	49.0 grams	Same	A160455GM00
561:1	3 Volts	50 %	15 rpm	0.100 Amp	0.99 Nm		26.0 mm	49.0 grams	Same	A160561GM00
690:1	3 Volts	50 %	12 rpm	0.100 Amp	1.22 Nm		26.0 mm	49.0 grams	Same	A160690GM00
1,014:	3 Volts	40 %	8 rpm	0.100 Amp	1.44 Nm		29.6 mm	53.0 grams	Same	A161014GM00
1,621:	3 Volts	40 %	5 rpm	0.100 Amp	2.30 Nm		29.6 mm	53.0 grams	Same	A161621GM00
1,996:	3 Volts	40 %	4 rpm	0.100 Amp	2.83 Nm		29.6 mm	53.0 grams	Same	A161996GM00
3,027:	3 Volts	40 %	3 rpm	0.100 Amp	4.29 Nm		29.6 mm	53.0 grams	Same	A163027GM00

Radial Load Rating	≤ 4.9 N	Radial Play	≤ 0.05 mm	Max Temperature Oper.	60°C
Radial Load Distance	10 mm	Thrust Play	≤ 0.20 mm	Min Temperature Oper.	-10°C
Axial Load	≤ 4.9 N	Backlash	≤ 3.0 °	Relative Humidity Oper.	20% to 85%
Press Fit Force - Max	≤ 14.7 N	Options	Bearing	Sleeve	

CAUTION. Stall Torque is a theoretical calculation- NOT a rating/maximum value. Continuous Torque is the lesser of the Gearbox Continuous Torque Rating or the Motor's Continuous Torque Rating at gearbox output shaft.

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