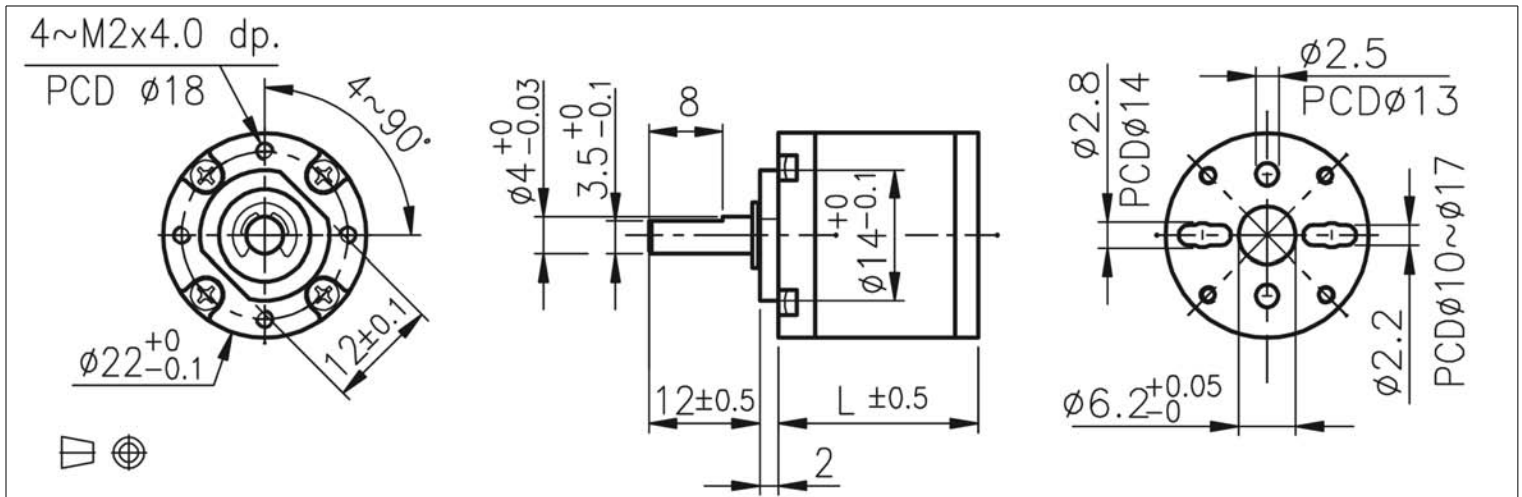


Planetary Gearbox - 22 mm Ø



Economical Sintered Metal Construction - Sleeve

Global Motion Products



Not to Scale - Dimensions in millimeters (mm)

Ratio	Efficiency %	Continuous Torque mNm	Momentary Torque mNm	Length L mm	Mass grams	Direction of Rotation*	Order Part Number
4.38:1	80 %	0.10 Nm	0.29 Nm	14.40	27.0	Same	P220004AS00
14.06:1	70 %	0.15 Nm	0.44 Nm	18.05	31.0	Same	P220014AS00
16.44:1	70 %	0.15 Nm	0.44 Nm	18.05	31.0	Same	P220016AS00
19.22:1	70 %	0.15 Nm	0.44 Nm	18.05	35.0	Same	P220019AS00
61.66:1	60 %	0.20 Nm	0.59 Nm	21.70	35.0	Same	P220062AS00
84.29:1	60 %	0.20 Nm	0.59 Nm	21.70	35.0	Same	P220084AS00
103.81:1	60 %	0.20 Nm	0.59 Nm	21.70	40.0	Same	P220104AS00
231.22:1	50 %	0.25 Nm	0.74 Nm	25.35	40.0	Same	P220231AS00
270.35:1	50 %	0.25 Nm	0.74 Nm	25.35	40.0	Same	P220270AS00
316.10:1	50 %	0.25 Nm	0.74 Nm	25.35	40.0	Same	P220316AS00
369.59:1	50 %	0.25 Nm	0.74 Nm	25.35	40.0	Same	P220370AS00
455.19:1	50 %	0.25 Nm	0.74 Nm	25.35	40.0	Same	P220455AS00
1,013.81:1	40 %	0.29 Nm	0.88 Nm	29.00	44.0	Same	P221014AS00
1,620.53:1	40 %	0.29 Nm	0.88 Nm	29.00	44.0	Same	P221621AS00

Radial Load Rating ≤ 7.8 N
 Radial Load Distance 10 mm
 Axial Load ≤ 5.9 N
 Press Fit Force - Max ≤ 49.0 N

Radial Play ≤ 0.05 mm
 Axial Play ≤ 0.20 mm
 Backlash ≤ 3.0 °

Max Temperature Operating 60°C
 Min Temperature Operating -10°C
 Relative Humidity Operating 20% to 85%
 Bearing Sleeve

Options

The P22-AS Series offers Low Cost Iron Core DC Motors & Low Power 2 Track Magnetic Encoders - 3.5 to 20 V, 5 to 10 mA. Or 3 Channel Optical encoders with current sipping Coreless DC Motors. BLDC Motors including 2 wire are another option. GMP offers gearboxes and gearmotors from 6 mm diameter to 90 mm.

Lubes. Bearings. Coreless, Iron Core, & BLDC Motors. Plastic or metal gear first stage. Motors w/ encoders. Connectors, Custom wiring harness. Special Shafts. For Low Backlash, Ball Bearings, & Hardened Stainless Steel Shafts refer to our highly refined 0.5° backlash all metal P22 Series.
 * 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

Manufactured under a Certified ISO 9001 :
 2008 Quality System and ISO 14001
 Environmental Management System.

RoHS Compliant

D - March 2014

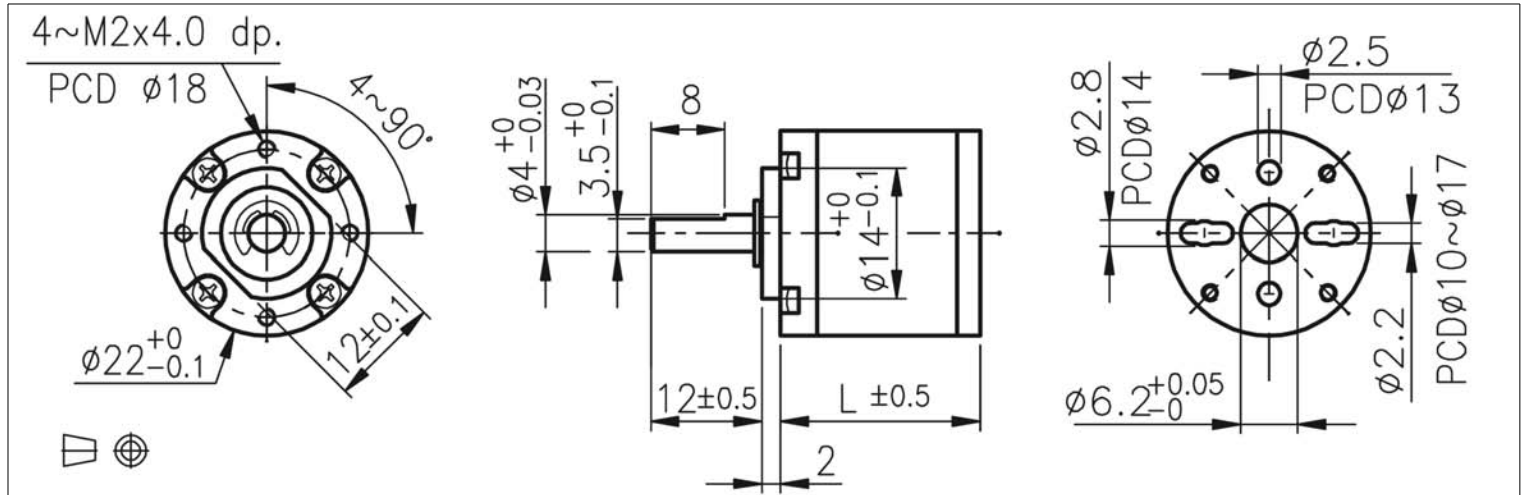
Specifications Subject to change without notice

Planetary Gearbox - 22 mm Ø



Global Motion Products

Economical Sintered Metal Construction - Sleeve



Not to Scale - Dimensions in millimeters (mm)

Ratio	Efficiency %	Continuous Torque mNm	Momentary Torque mNm	Length L mm	Mass grams	Direction of Rotation*	Order Part Number
1,995.81:1	40 %	0.29 Nm	0.88 Nm	29.00	44.0	Same	P221996AS00
3,027.22:1	40 %	0.29 Nm	0.88 Nm	29.00	44.0	Same	P223027AB00

Radial Load Rating	≤ 7.8 N	Radial Play	≤ 0.05 mm	Max Temperature Operating	60°C
Radial Load Distance	10 mm	Axial Play	≤ 0.20 mm	Min Temperature Operating	-10°C
Axial Load	≤ 5.9 N	Backlash	≤ 3.0 °	Relative Humidity Operating	20% to 85%
Press Fit Force - Max	≤ 49.0 N			Bearing	Sleeve

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