

## FEATURES

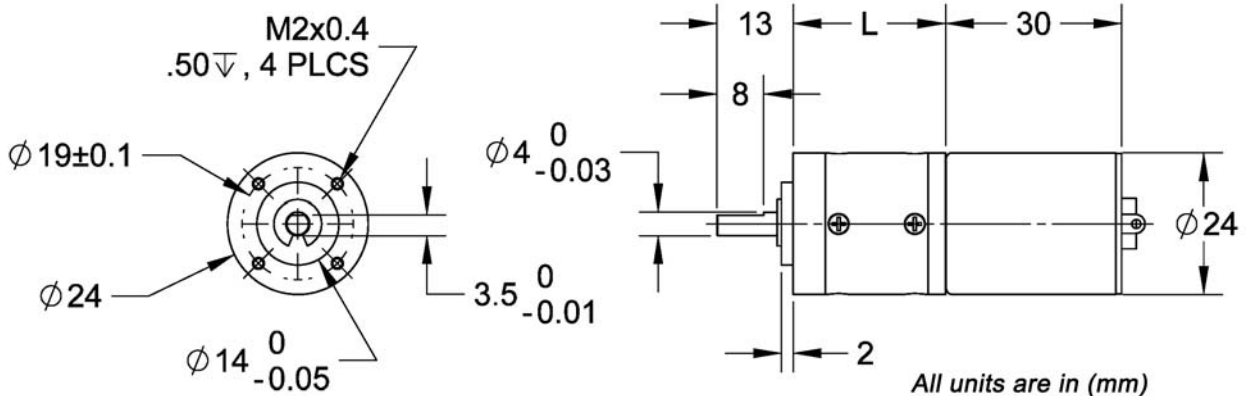
- **DC Brush Planetary Gearmotor**
- **Designed for High-Volume Applications**
- **Up to 69.44 oz-in of Continuous Torque**
- **24mm Motor Body Diameter**
- **Custom Versions are Available**



## DESCRIPTION

The BDPG-24-30 Series was designed for high-volume OEM applications with low cost being the primary objective. They come in variety of power levels, sizes, and will be sure to fit your Brush DC Planetary Gearmotor requirements. These motors are fully reversible. The BDPG-24-30 Series motors are a cost-effective solution to manage motion control in many rotary applications including medical, semiconductor, pumps, robotics, CNC, or any other situation when a low cost Brush DC Planetary Gearmotor is needed.

## DIMENSIONS



## SPECIFICATIONS

Housing Material:	Metal	Radial Play of Shaft:	0.08mm
Bearing at Output:	Sleeve Bearings	Thrust Play at Shaft:	0.3mm
Radial Load:	1kg	Backlash, at No-Load:	3°
Shaft Axial Load:	0.6kg	Shaft Press Fit Force, Max:	5kg
Humidity:	20-85%	Operating Temperature	-10°C to +80°C

L010458

Motor Specs	No Load Speed (RPM)	Rated Voltage (V)	Output Power (W)	Rated Current (A)	Stall Current (A)
	3000	12	0.5	0.09	0.3

Model #	Voltage (V)	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Weight (lbs)	L Length (mm)
BDPG-24-30-12V-3000-R51	12	51	58	47	12	111	0.20	32.0
BDPG-24-30-12V-3000-R71	12	71	42	34	17	111	0.22	32.0
BDPG-24-30-12V-3000-R100	12	100	30	24	24	111	0.22	32.0
BDPG-24-30-12V-3000-R139	12	139	21	17	32	111	0.22	32.0
BDPG-24-30-12V-3000-R189	12	189	15	12	42	167	0.22	36.5
BDPG-24-30-12V-3000-R264	12	264	11	9.1	60	167	0.22	36.5
BDPG-24-30-12V-3000-R369	12	369	7.1	6.5	69	167	0.28	36.5
BDPG-24-30-12V-3000-R516	12	516	5.8	4.6	69	167	0.28	36.5
BDPG-24-30-12V-3000-R720	12	720	4.1	3.8	69	167	0.28	36.5
BDPG-24-30-12V-3000-R981	12	981	3.0	2.8	69	208	0.30	41.0
BDPG-24-30-12V-3000-R1370	12	1370	2.1	2.1	69	208	0.30	41.0
BDPG-24-30-12V-3000-R1913	12	1913	1.5	1.5	69	208	0.33	41.0
BDPG-24-30-12V-3000-R2671	12	2671	1.1	1.1	69	208	0.33	41.0
BDPG-24-30-12V-3000-R3730	12	3730	0.8	0.8	69	208	0.33	41.0

Motor Specs	No Load Speed (RPM)	Rated Voltage (V)	Output Power (W)	Rated Current (A)	Stall Current (A)
	6000	12	1.5	0.24	1.0

Model #	Voltage (V)	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Weight (lbs)	L Length (mm)
BDPG-24-30-12V-6000-R3.7	12	3.7	1622	1297	1	42	0.20	26.0
BDPG-24-30-12V-6000-R5.2	12	5.2	1154	960	2	42	0.20	26.0
BDPG-24-30-12V-6000-R14	12	14	429	342	5	83	0.20	28.0
BDPG-24-30-12V-6000-R19	12	19	316	253	7	83	0.20	28.0
BDPG-24-30-12V-6000-R27	12	27	222	178	10	83	0.20	28.0
BDPG-24-30-12V-6000-R51	12	51	118	94	18	111	0.20	32.5
BDPG-24-30-12V-6000-R71	12	71	85	67	22	111	0.22	32.5
BDPG-24-30-12V-6000-R100	12	100	60	48	35	111	0.22	32.5
BDPG-24-30-12V-6000-R139	12	139	43	35	49	111	0.22	32.5
BDPG-24-30-12V-6000-R189	12	189	32	25	64	167	0.22	37.5
BDPG-24-30-12V-6000-R264	12	264	23	18	69	167	0.22	37.5
BDPG-24-30-12V-6000-R369	12	369	16	13	69	167	0.28	37.5
BDPG-24-30-12V-6000-R516	12	516	12	9.3	69	167	0.28	37.5
BDPG-24-30-12V-6000-R720	12	720	8.3	6.7	69	167	0.28	37.5