

BDSG-37-40-24V Series DC Brush Gearmotor



FEATURES

- **DC Brush Gear motor**
- **Designed for High Volume Applications**
- **Up to 250 oz-in (18 kg-cm) of Peak torque**
- **Up to 83 oz-in (6 kg-cm) of Continuous torque**
- **37 mm Motor Body Diameter**
- **Custom Versions are Available**



DESCRIPTION

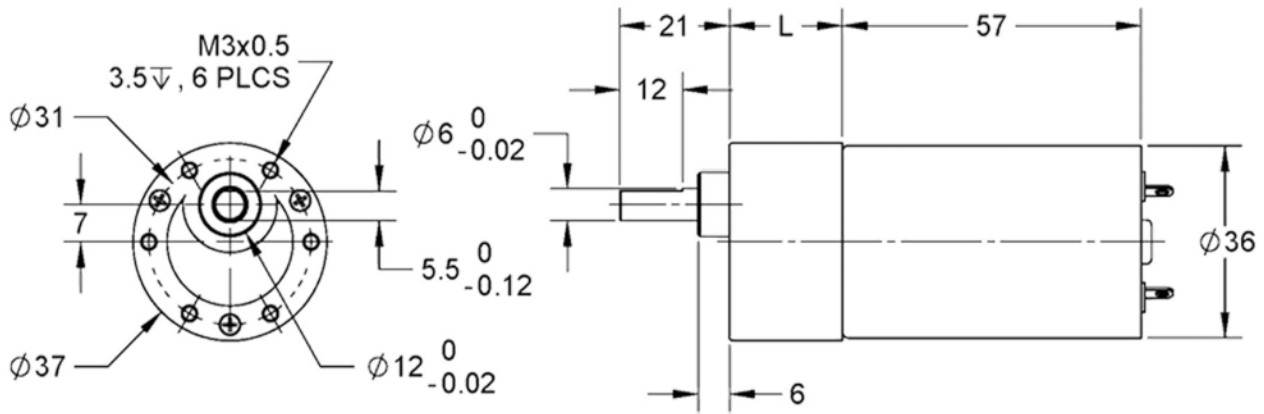
The BDSG-37-40 Series was designed for high volume OEM applications with low cost being the primary objective. Available in ten gear ratios from 3 to 100, the BDSG-37-40 Series gear motor offers continuous torque of up to 83 oz-in. These motors are fully reversible. The BDSG-37-40 Series gear motors 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 gear motor is needed.

SPECIFICATIONS

Motor Specs	No Load Speed (RPM)	Rated Speed (RPM)	Rated Voltage (V)	No Load Current (A)	Output Power (W)	Rated Current (A)	Stall Current (A)
	5000	3600	24	0.06	3.7	0.38	1.2

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	"L" Length (mm)	Rotation Direction
BDSG-37-40-24V-5000-R006	6	830	600	0.5	3.0	19.0	CCW
BDSG-37-40-24V-5000-R010	10	500	360	0.8	3.0	19.0	CCW
BDSG-37-40-24V-5000-R018	18	270	200	1.3	6.0	21.5	CW
BDSG-37-40-24V-5000-R030	30	160	120	2.2	6.0	21.5	CW
BDSG-37-40-24V-5000-R050	50	100	72	3.3	12.0	24.0	CCW
BDSG-37-40-24V-5000-R075	75	65	48	5.0	12.0	24.0	CCW
BDSG-37-40-24V-5000-R100	100	50	36	6.0	12.0	24.0	CCW
BDSG-37-40-24V-5000-R150	150	33	24	6.0	18.0	26.5	CW
BDSG-37-40-24V-5000-R200	200	25	18	6.0	18.0	26.5	CW
BDSG-37-40-24V-5000-R250	250	20	14	6.0	18.0	26.5	CW
BDSG-37-40-24V-5000-R300	300	16	12	6.0	18.0	26.5	CW

L010370



*All units are in mm

Housing Material:	Steel	Bearing at Output:	Ball Bearing
Radial Load:	99 lbs - Force	Shaft Press Fit Force, Max:	22 lbs
Operating Temperature:	14° - 104° F	Humidity:	90% - 95%