

BDSG-37-57-12V Series DC Brush Gearmotor



FEATURES

- **DC Brush Gear motor**
- **Designed for High Volume Applications**
- **Up to 166 oz-in (12 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

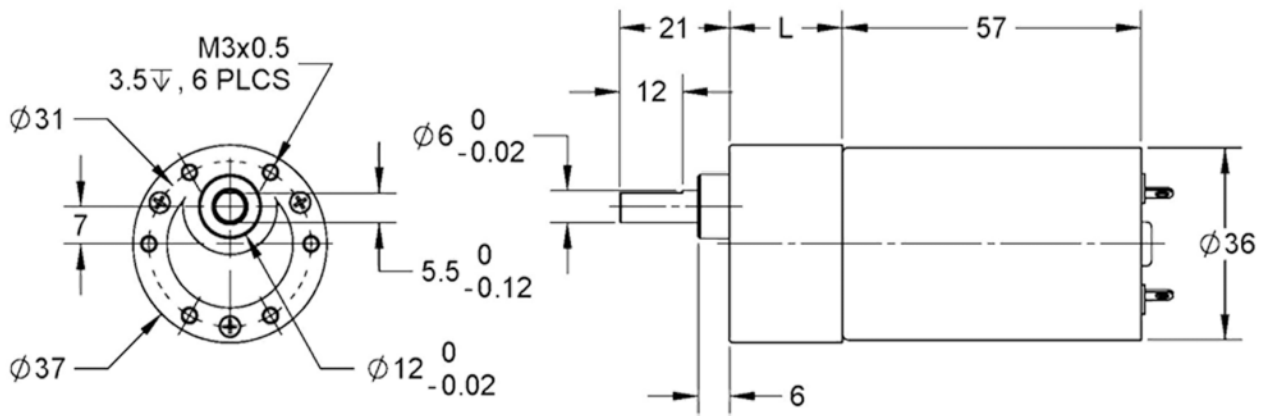
The BDSG-37-57 Series was designed for high volume OEM applications with low cost being the primary objective. Available in ten gear ratios from 3 to 100, the BDSG-37-57 Series gear motor offers continuous torque of up to 83 oz-in. These motors are fully reversible. The BDSG-37-57 Series gear motors 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)	Length "L" (mm)
	4200	3650	12	0.3	7	2	5	57

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	"L" Length (mm)	Rotation Direction
BDSG-37-57-12V-4200-R006	6	700	608	0.9	3	21.5	CCW
BDSG-37-57-12V-4200-R010	10	420	365	1.5	3	21.5	CCW
BDSG-37-57-12V-4200-R018	18	233	202	2.4	6	26.5	CW
BDSG-37-57-12V-4200-R030	30	140	122	4.0	6	26.5	CW
BDSG-37-57-12V-4200-R050	50	84	73	6.0	12	29.0	CCW
BDSG-37-57-12V-4200-R075	75	56	51	6.0	12	29.0	CCW
BDSG-37-57-12V-4200-R100	100	42	39	6.0	12	29.0	CCW

L010329



*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%