

# BDSG-37-57-12V - DC Motors With Spur Gearboxes



FEATURES

- **DC Brush Gearmotor**
- **Designed for High Volume Applications**
- **Up to 166 oz-in (12 kg-cm) of Peak Torque**
- **Up to 83 oz-in (6kg-cm) of Continuous Torque**
- **37mm Motor Diameter**



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 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

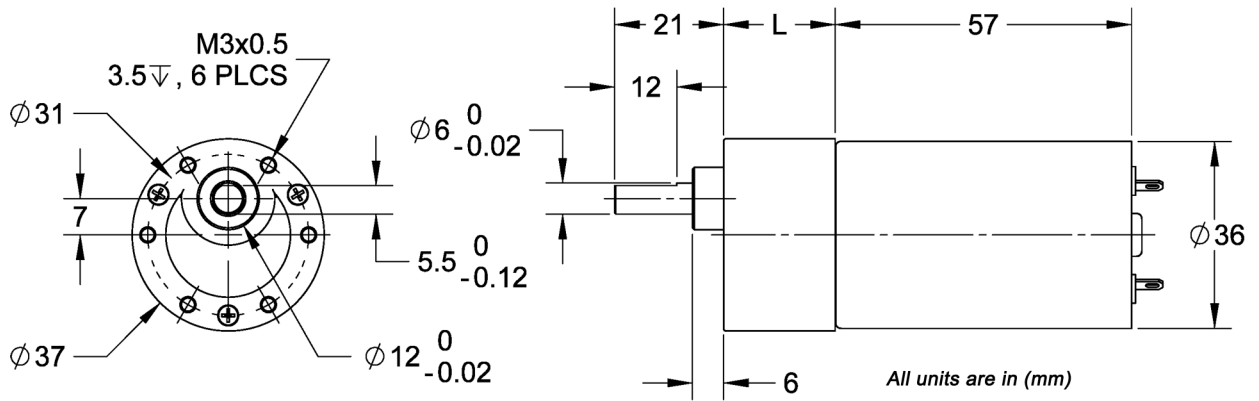
Motor Specs	No Load Speed (RPM)	Rated Speed (RPM)	Rated Voltage (V)	No Load Current (A)	Output Power (W)	Rated Current (A)	Stall Current (A)	"L" Length (mm)
	4200	3650	12	0.3	7	2	5	57

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-R6	6	700	608	12.5	41.66	21.5	CCW
BDSG-37-57-12V-4200-R10	10	420	365	20.83	41.66	21.5	CCW
BDSG-37-57-12V-4200-R18	18	233	202	33.33	83.32	26.5	CW
BDSG-37-57-12V-4200-R30	30	140	122	55.55	83.32	26.5	CW
BDSG-37-57-12V-4200-R50	50	84	73	83.32	166.65	29.0	CCW
BDSG-37-57-12V-4200-R75	75	56	51	83.32	166.65	29.0	CCW
BDSG-37-57-12V-4200-R100	100	42	39	83.32	166.65	29.0	CCW

L010329

DIMENSIONS



SPECIFICATIONS

Housing Material:	Steel
Radial Load:	99lbs - Force
Operating Temperature:	14° - 104° F
Radial Play:	≤ 0.1mm
Bearing at Output:	Ball Bearing
Shaft Press Fit Force, Max:	22lbs
Humidity:	90% - 95%
Axial Play:	≤ 0.35mm