

# BDSG-37-30-12V - DC Motors With Spur Gearboxes



FEATURES

- **DC Brush Gearmotor**
- **Designed for High Volume Applications**
- **Up to 250 oz-in (18 kg-cm) of Peak Torque**
- **Up to 83 oz-in (6kg-cm) of Continuous Torque**
- **37mm Motor Diameter**



DESCRIPTION

The BDSG-37-30 Series was designed for high volume OEM applications with low cost being the primary objective. Available in ten gear ratios from 10 to 3000, the BDSG-37-30 Series gear motor offers continuous torque of up to 83 oz-in. These motors are fully reversible. The BDSG-37-30 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.

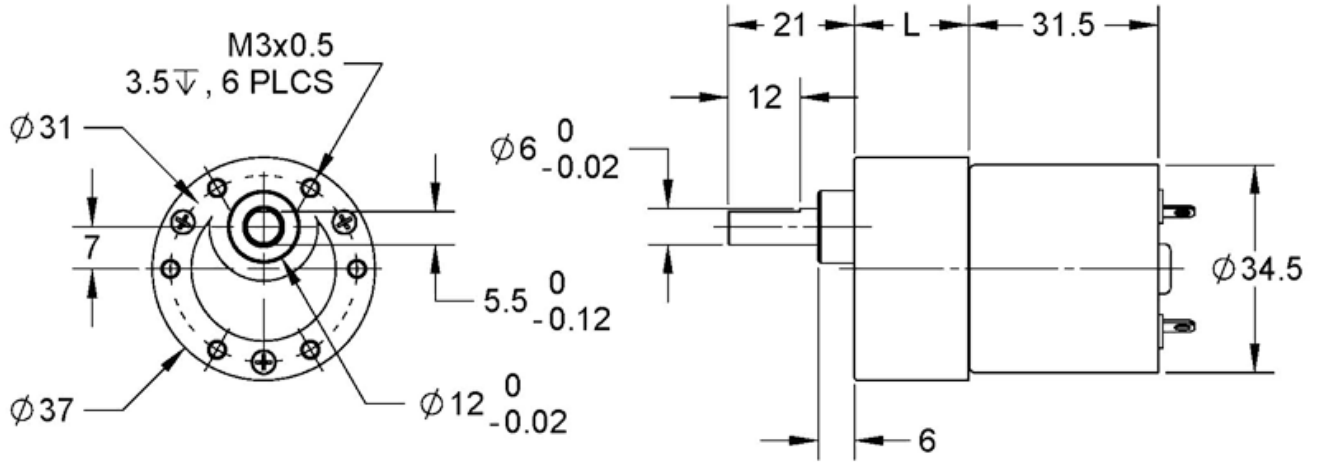
SPECIFICATIONS

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)	Motor Length (mm)
	5000	4300	12	0.11	1.8	0.33	2.2	.40

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	L Length (mm)	Rotation Direction
BDSG-37-30-12V-5000-R10	10	500	430	5.55	41.66	19.0	CCW
BDSG-37-30-12V-5000-R18	18	270	230	6.94	83.32	21.5	CCW
BDSG-37-30-12V-5000-R30	30	160	140	12.5	83.32	21.5	CW
BDSG-37-30-12V-5000-R50	50	100	86	18.05	166.65	24	CW
BDSG-37-30-12V-5000-R75	75	65	57	27.77	166.65	24	CCW
BDSG-37-30-12V-5000-R100	100	50	43	36.11	166.65	24	CCW
BDSG-37-30-12V-5000-R150	150	33	28	48.61	249.97	26.5	CCW
BDSG-37-30-12V-5000-R200	200	25	21	65.27	249.97	26.5	CW
BDSG-37-30-12V-5000-R250	250	20	17	81.94	249.97	26.5	CW
BDSG-37-30-12V-5000-R300	300	16	14	83.32	249.97	26.5	CW
BDSG-37-30-12V-5000-R400	400	12	11.3	83.32	249.97	29	CW
BDSG-37-30-12V-5000-R500	500	10	9.2	83.32	249.97	29	CCW
BDSG-37-30-12V-5000-R750	750	6.6	6.3	83.32	249.97	29	CCW
BDSG-37-30-12V-5000-R1000	1000	5	4.8	83.32	249.97	29	CCW
BDSG-37-30-12V-5000-R1500	1500	3.3	3.3	83.32	249.97	31.5	CW
BDSG-37-30-12V-5000-R3000	3000	1.6	1.6	83.32	249.97	31.5	CW

L011634

DIMENSIONS



SPECIFICATIONS

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