

BDSG-37-40-6V Series



FEATURES

- **DC Brush Gearmotor**
- **Designed for high volume applications**
- **Up to 83 oz-in of continuous torque**
- **37 mm motor body diameter**
- **Custom versions are available**



DESCRIPTION

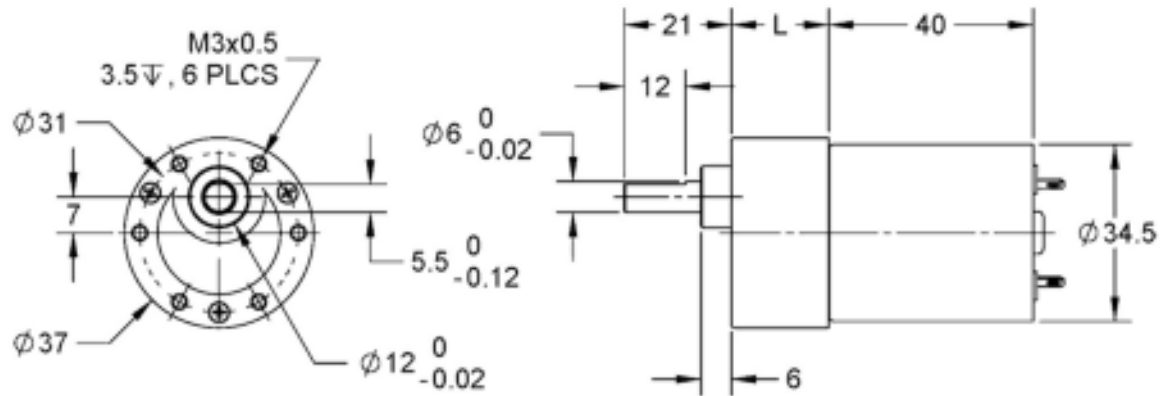
The BDSG-37-40-6V Series was designed for high volume OEM applications with low cost being the primary objective. Available in gear ratios from 6 to 300, the BDSG-37-40-6V Series gearmotor offers continuous torque of up to 83 oz-in. These motors are fully reversible. The BDSG-37-40-6V Series gearmotors 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 Spur gearmotor is needed.

SPECIFICATIONS

Motor Specs	No Load Speed (RPM)	Rated Voltage (V)	No Load Current (mA)	Output Power (W)	Rated Speed (RPM)	Rated Current (mA)	Stall Current (A)
	5000	6	80	4.2	4300	800	1.6

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Weight (lbs)	L Length (mm)
BDSG-37-40-6V-5000-R6	6	833	717	4	42	0.44	19
BDSG-37-40-6V-5000-R10	10	500	430	8	42	0.44	19
BDSG-37-40-6V-5000-R18	18	278	239	14	83	0.48	21.5
BDSG-37-40-6V-5000-R30	30	167	143	24	83	0.48	21.5
BDSG-37-40-6V-5000-R50	50	100	86	36	167	0.48	24
BDSG-37-40-6V-5000-R75	75	67	57	54	167	0.48	24
BDSG-37-40-6V-5000-R100	100	50	43	72	167	0.48	24
BDSG-37-40-6V-5000-R150	150	33	28	83	250	0.49	26.5
BDSG-37-40-6V-5000-R200	200	25	21	83	250	0.49	26.5
BDSG-37-40-6V-5000-R250	250	20	17	83	250	0.49	26.5
BDSG-37-40-6V-5000-R300	300	17	14	83	250	0.49	26.5

L010489



*All units are in mm

Housing Material:	Steel
Operating Temperature:	14° - 104° F
Bearing at Output:	Ball Bearing
Humidity:	90% - 95%