

# BDSG-24-30 - DC Motors With Spur Gearboxes



FEATURES

- **DC Brush Spur Gearmotor**
- **Designed for High Volume Applications**
- **Up to 41.66 oz-in of Continuous Torque**
- **24mm Motor Diameter**



DESCRIPTION

The BDSG-24-30 Series was designed for high-volume OEM applications with low cost being the primary objective. Available in gear ratios from 11 to 450, the BDSG-24-30 Series gearmotor offers continuous torque of up to 41.66 oz-in. These motors are fully reversible. The BDSG-24-30 Series gearmotors are a cost-effective solution to manage motion control in many rotary applications including medical, semiconductor, pumps, robotics, CNC, or any other situations when a low-cost Brush DC Spur gearmotor is needed.

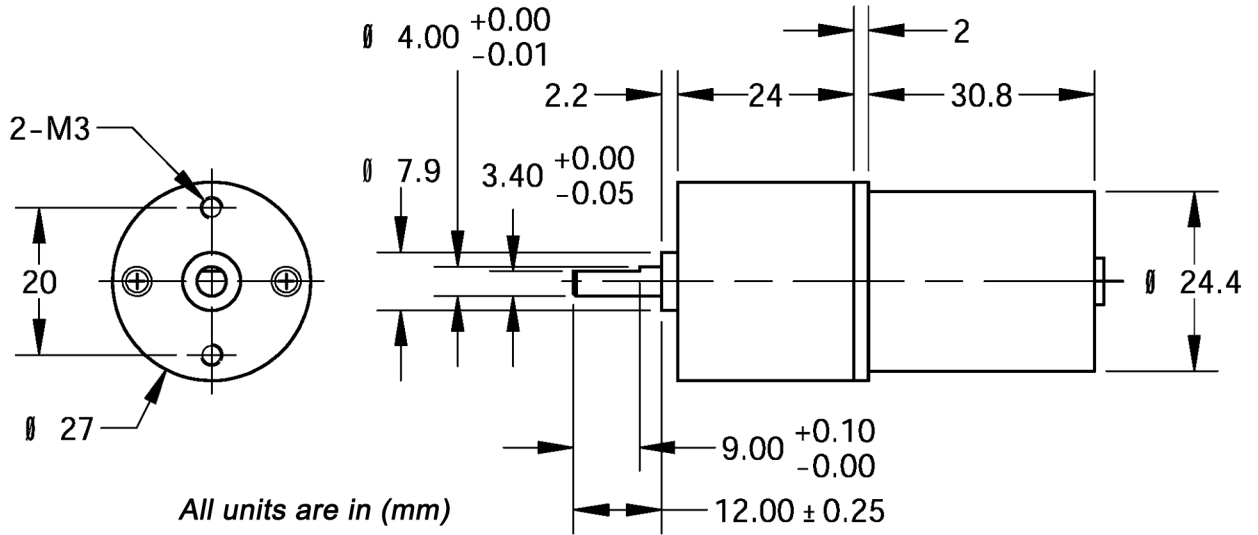
SPECIFICATIONS

Motor Specs	No Load Speed (RPM)	Rated Voltage (V)	No Load Current (A)	Output Power (W)	Rated Speed (RPM)	Rated Current (A)	Stall Current (A)
	5500	12	0.5	1.2	4000	0.22	0.8

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Weight (lbs)	L Length (mm)
BDSG-24-30-12V-5500-R11	11	500	364	3.06	27.77	0.21	51
BDSG-24-30-12V-5500-R23	23	239	174	5.69	27.77	0.21	51
BDSG-24-30-12V-5500-R27	27	204	148	6.80	27.77	0.21	51
BDSG-24-30-12V-5500-R52	52	106	77	11.53	55.55	0.21	53
BDSG-24-30-12V-5500-R60	60	92	67	13.19	55.55	0.21	53
BDSG-24-30-12V-5500-R69	69	80	58	15.28	55.55	0.21	53
BDSG-24-30-12V-5500-R81	81	68	49	18.05	55.55	0.21	53
BDSG-24-30-12V-5500-R113	113	49	35	22.22	83.32	0.21	55
BDSG-24-30-12V-5500-R132	132	42	30	25	83.32	0.21	55
BDSG-24-30-12V-5500-R153	153	36	26	29.16	83.32	0.21	55
BDSG-24-30-12V-5500-R178	178	31	22	33.33	83.32	0.21	55
BDSG-24-30-12V-5500-R210	210	26	19	40.27	83.32	0.21	55
BDSG-24-30-12V-5500-R250	250	22	16	41.66	83.32	0.21	57
BDSG-24-30-12V-5500-R290	290	19	14	41.66	83.32	0.21	57
BDSG-24-30-12V-5500-R350	350	16	11	41.66	83.32	0.21	57
BDSG-24-30-12V-5500-R390	390	14	10	41.66	83.32	0.21	57
BDSG-24-30-12V-5500-R450	450	12	9	41.66	83.32	0.21	57

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DIMENSIONS



SPECIFICATIONS

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