

BDSGS-90-194 Series



FEATURES

- **DC Brush Gearmotor**
- **Designed for High-Volume Applications**
- **Up to 4166.21 oz-in torque**
- **90 mm Motor Body Diameter**
- **Six Gear Ratios to Choose From**
- **CE Certified and UL Listed**



DESCRIPTION

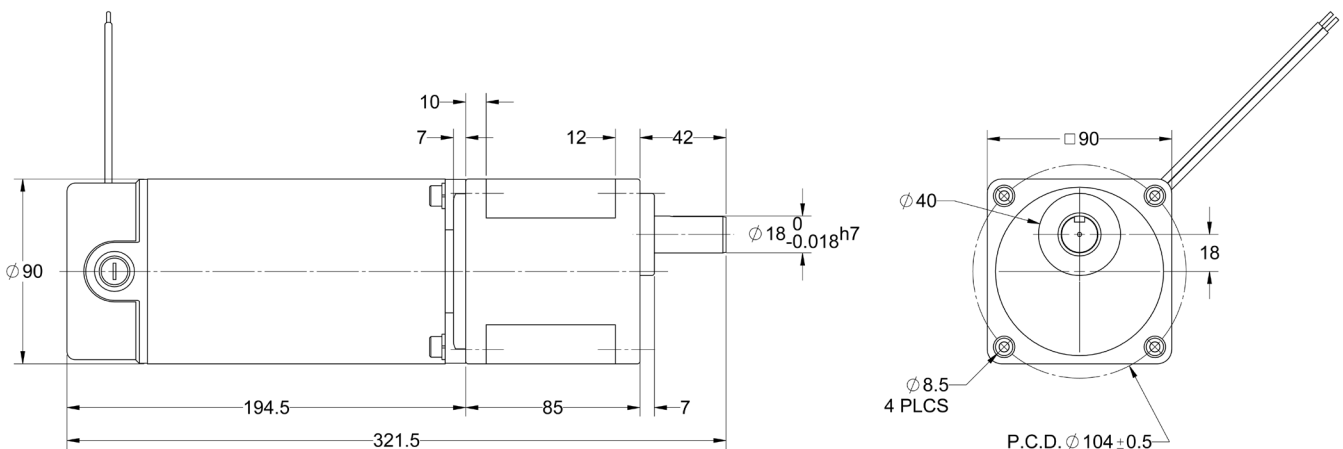
The BDSGS-90-194 Series Brush DC Spur Gearmotor is a high-quality affordable solution for motion control applications such as medical, semiconductor, pumps, robotics, CNC and many more. The 24V BDSGS-90-194 Series has high output and continuous torque of up to 4,166 oz-in and has six different gear ratios available ranging from 3:1 to 200:1. Developed for high-volume OEM applications; the BDSGS-90-194 Brush DC Gearmotor provides cost-effective solutions, never sacrificing quality of system performance.

ORDERING INFORMATION

Motor Specs	No Load Speed (RPM)	Rated Voltage (V)	No Load Current (mA)	Output Power (W)	Rated Speed (RPM)	Rated Current (mA)	Rotor Inertia (kgcm ²)
	3000	24	2.0	300	2500	17.0	13.27

Model #	Rated Speed (RPM)	No Load Speed (RPM)	Rated Torque (oz-in)	Winding Resistance (Ohms)	Line to Line Inductance (mH)	Back EMF Voltage (V/kRPM)	Backlash (arcmins)	Gear Ratio	Weight (lbs)	"L" Length (mm)
BDSGS-90-194-24V-3000-R3	840	1000	389	6-8	5.5	28	30-36	3	11.02	321.5
BDSGS-90-194-24V-3000-R10	252	300	1305	6-8	5.5	28	30-36	10	11.02	321.5
BDSGS-90-194-24V-3000-R25	101	120	2639	6-8	5.5	28	30-36	25	11.02	321.5
BDSGS-90-194-24V-3000-R50	50	60	4166	6-8	5.5	28	30-36	50	11.02	321.5
BDSGS-90-194-24V-3000-R100	25	30	4166	6-8	5.5	28	30-36	100	11.02	321.5
BDSGS-90-194-24V-3000-R200	13	15	4166	6-8	5.5	28	30-36	200	11.02	321.5

DIMENSIONS



L010680

All units are in mm

TORQUE CURVE

