



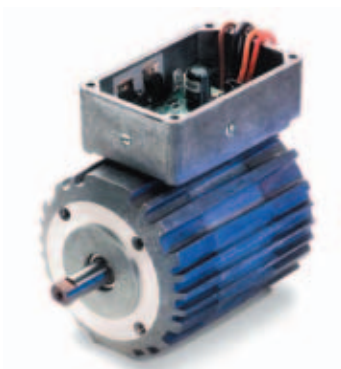
Up to 1,000 lb-in.

Bodine's type CG gearbox is available with either AC or DC motors and has continuous torque ratings up to 1,000 lb-in in gear ratios up to 72:1.



Low Cost 34B0 BLDC Motors and Gearmotors

for high-volume OEM applications. Matched-system BLDC controls available. Applications: Medical and laboratory equipment, blowers, and paper handling.



Type 34B/FV BLDC motors and gearmotors with built-in custom speed controls.

Easy operation and connections, PWM speed signal, 24-36 VDC, 5 VDC logic signal, and tach pulse output.

Bodine Custom Solutions

Let us modify almost any AC, DC or Brushless DC product to perfectly fit your OEM application

Controls:

When you use our built-to-order or stock controls, you'll get the best performance from your Bodine motors. A variety of enclosures, cables and interfaces are available for our AC, DC and Brushless products. For more information about our custom controls, see pages 22 and 102.

Cables

Choose from specially designed cables, connectors, and terminals, as well as custom terminal boxes, watertight strain relieves (PG fittings), and color-coded or labeled motor leads.

Add-On Options

Brakes and encoders mount to the end-shield. Or for economical 30PPR feedback we will supply internal encoders. Depending on the duty cycle, cooling fans can be added or omitted from most designs. And who says it must be black? Almost all Bodine products can be supplied either unpainted or with custom paint. We also offer special nameplates with your logo or part numbers.

Windings

Bodine stocks motors and gearmotors with all the typical voltage and frequency ratings for North American and International markets. Other ratings include inverter duty, intermittent duty, dual voltage, and dual frequency ratings with voltages ranging from 12VDC to 575VAC. We also offer custom winding designs for OEM application requirements and thermal overload protectors with manual and automatic reset.

Rotor/Armature

We offer an array of specially balanced, high-speed rotors and armatures and high-grade ball bearings. Ask about special bearings for high radial and axial load requirements.



For over 100 years of developing and designing motion control solutions, we not only know how to engineer an infinite variety of designs but very well may be tooled to build it.

If you get us involved early in the design or re-design process, we'll assist you in defining your requirements. We'll design a high value added, yet affordable, product specifically to meet your exact needs.

Mounting

Custom flange-, foot-, or base-mount designs are available. All motor and gearmotor designs can be provided with metric shafts, metric mounting holes and other metric features (terminal blocks, cables, nameplates, etc).

Gearing

Choose from a large selection of gears and gear ratios. Bodine gears provide high torque, quiet operation and long life. And because we make your prototypes in-house, you'll see your designs faster.

Gearboxes

Our parallel shaft or right angle, leak-free, integral, unvented gearhousings provide highest torque and the smallest possible package. Wide temperature-range synthetic lubricants are available, as are custom-placed vent-holes for non-standard mounting positions. We will even customize the gearhousing for high-volume OEM applications.

Output Shaft

Choose the material, the shape, the length and the diameter... Bodine driveshafts can be made just about any way you want. Here are just some of the options: steel, stainless steel, hardened, or fatigue proof materials; flats, slots, keyways, hex, double flats, cross-holes, retaining rings, and center holes. Many built-to-order hollow shafts, right-angle gearhead designs are available.

Seals

Tough environments demand tough seals. Our products already meet the highest leak protection requirements in the industry. Most Bodine gearheads are built with double helix, lip-type seals on motor and drive shafts and hardened seal journals for zero leakage. But if you demand even more protection, call us. We'll build it.

Built-in Encoders

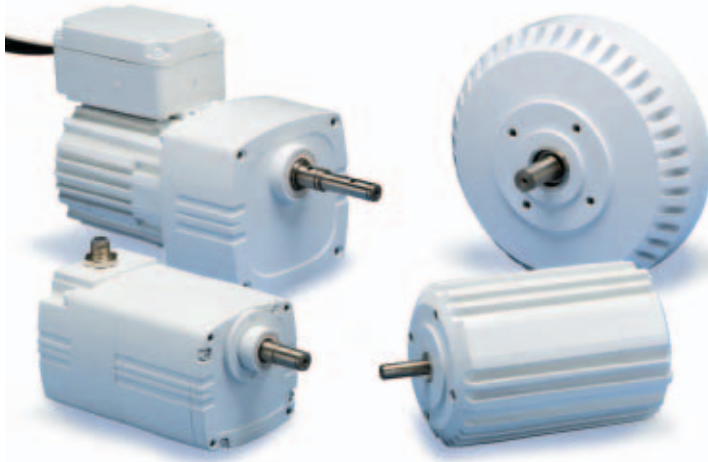
Encoders inside motors are protected from harsh environments and don't take up additional space. The magnetic encoders are powered by 4.5 – 12 volts and are available with one or two hall sensor output signals in resolutions of 2, 4, 8, and 30 pulses/revolution. They work with a digital tachometer or other electronic device to measure speed, distance, and direction. Bodine offers these built-in encoders as a custom option in our DC and Brushless DC motors. OEM applications include commercial ovens, guided vehicles, metering equipment, door openers, conveyors, and mobility equipment.

INcodermotor

NEW
FROM BODINE!



Liqui-Duty™ Motors and Gearmotors



Our new built-to-order Liqui-Duty™ motors and gearmotors are custom engineered to meet unusual environmental challenges. While Liqui-Duty™ modifications vary from application to application, they include items such as: sealed bearings, specially sealed motor and gear housings, stainless steel shafts, special paint, cords, connectors, food-grade lubricants and many other customer-specified components. Bodine matched speed controls are also available.

Custom Controls

Bodine understands that one size doesn't fit all. If our standard control enclosure doesn't suit an application, we design a custom one. We can put a different style switch, or knob, or fuse holder on the panel. We have created custom screen printed graphics. With our in-house electronics engineering capability, we can even create custom printed circuit boards for different voltage levels, or speed ranges, or higher output power. And we can tailor analog or digital interfaces to make our controls compatible with other devices.

