

**500 RPM, 12 VDC
Gearmotor****ITEM 500831**
\$15.95

- New, permanent magnet, right angle, worm gear reduction gearmotor. Built for seat back adjustment in vehicles. Cast aluminum gear housing with steel motor frame. Hollow square thru-drive output shaft. Two bolt rubber isolation mount. Two pin male integral Packard Power Connection.

SPECIFICATIONS

- Speed 500 RPM no load
- Speed 220 RPM at rated torque
- Voltage 12 DC
- Amperage 22 Amps at rated torque
- Torque 16 in-lbs

- Rotation reversible
- Duty intermittent
- Enclosure TENV
- Mount $\frac{3}{8}$ " dia. two bolt on 2.2" centers
- Hollow thru-shaft $\frac{5}{16}$ " (4 mm)
- Size $5\frac{1}{2}$ " x $3\frac{1}{8}$ " x $2\frac{1}{2}$ "
- Shpg. 3 lbs.

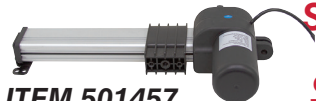
**500 RPM, 12 VDC
Gearmotor****ITEM 500658**
\$9.99

- New, permanent magnet, right angle gearmotor. Cast aluminum gear housing with steel motor frame. Hollow square thru-drive output shaft. Two bolt rubber isolation mount.

SPECIFICATIONS

- Speed: 500 RPM no load
- 250 RPM at rated torque
- Voltage 12 DC
- Amperage 16 Amps
- Torque 8.5 in-lbs
- Rotation reversible

- Duty intermittent
- Enclosure TENV
- Mount $\frac{3}{8}$ " dia. two bolt on 2.2" centers
- Hollow thru-shaft $\frac{5}{16}$ " (4 mm)
- Size $5\frac{1}{2}$ " x $3\frac{1}{8}$ " x $2\frac{1}{2}$ "
- Shpg. 3 lbs.

**8" Stroke 12 VDC 150 LB.
Linear Actuator w/ Limit
Switches****ITEM 501457**
\$59.95

- New, PROGRESSIVE AUTOMOTIONS model PA-18 linear actuator. Linear track sliding block motion design for applications with fixed mounting points. ACME screw drive. Limit switches at each end of travel.

SPECIFICATIONS

- Stroke 8"
- Voltage 12 DC
- Push/Pull Rating Dynamic 150 lbs. max
- Extension Speed: No Load 1.50 in/sec
- Max Load 0.98 in/sec
- Amps: No Load 2.5
- Full Load 8.0
- Duty 20%
- Base End Clevis Pin Hole 0.400"
- Enclosure IP20

- Rod End Bracket Mount Four 0.260" holes
- Sliding Block Mount 1 tapped hole M10-1.5 and 2 tapped holes M6-1.0 on each side
- Sliding Block Dimensions 2.60" x 1.780"
- Retracted Length Base to Mounting Block Center 5.875"
- Mounting Holes Length 15.68"
- Size $17\frac{1}{8}$ " x $7\frac{1}{4}$ " x $3\frac{3}{8}$ "
- Shpg. 7 lbs.

**44 RPM, 6 VDC
Gearmotor****ITEM 500740**
\$8.95

- New, BUEHLER Model 1.61.065.305 inline permanent magnet design. Very compact and powerful.

SPECIFICATIONS

- Voltage 6 DC
- Amperage 280 mA (no load)
- Speed 44 RPM (no load)
- Performance 34 RPM w/1.3 in.lb. torque
- 0.28 amps
- Rotation Reversible

- Enclosure TENV
- Duty Continuous
- Mount 3 tapped holes on face
- Shaft 2.5mm dia. x 10mm w/flat
- Size 29mm x 40mm x 28mm
- Shpg. 1 lb.

Toy Car Drive Gearmotors

- New Take-Offs, gearmotor made for use in kid's vehicles. High output torque. Output is $2\frac{1}{2}$ " diameter 6 lug wheel drive hub that rotates around a fixed center spindle with an inside hole for axle. Comes in white, black, red, blue and pink.

**ITEM 501110** white**ITEM 501111** black**ITEM 501109** red**ITEM 501113** blue**ITEM 501112** pink**\$9.99****SPECIFICATIONS**

- Speed 70 RPM
- Voltage 12 VDC
- Amperage 0.7 Amps no load
- Rotation Reversible

- Duty Intermittent
- Shaft $2\frac{1}{2}$ " diameter 6 lug hub
- Spindle Bore $\frac{3}{8}$ "
- Size $6\frac{1}{2}$ " x $3\frac{3}{8}$ " x 3"
- Shpg. 2 lbs

SPECIFICATIONS

- Speed 75 RPM no load
- Voltage 12 VDC
- Amperage 1.2 Amps no load
- Rotation Reversible

- Duty Intermittent
- Shaft $2\frac{1}{2}$ " diameter 6 lug hub
- Spindle Bore $\frac{1}{2}$ "
- Size $7\frac{3}{8}$ " x $4\frac{1}{4}$ " x $3\frac{3}{8}$ "
- Shpg. 3 lbs

ITEM 501107**ITEM 501108****\$12.99****37 RPM
90 VDC
Gear Motor****ITEM 501490**
\$89.95

- New, BISON, model EP-16535-1. Inline permanent magnet gearmotor. Externally accessible brushes.

SPECIFICATIONS

- Speed 37 RPM
- Voltage 90 DC
- Amperage 0.62
- Power $\frac{1}{2}$ 0 HP
- Torque 74 in.lbs.
- Gear Ratio 49:1
- Rotation Reversible

- Duty Continuous
- Enclosure TENV
- Mount 4 holes #10-24 TPI on face ($2\frac{5}{8}$ " sq.)
- Shaft $\frac{5}{16}$ " dia. x $\frac{3}{4}$ " w/ flat
- Size $8\frac{3}{4}$ " x $3\frac{3}{8}$ " x $3\frac{3}{8}$ "
- Shpg. 8.2 lbs.

**1080 RPM
12 VDC
Gearmotor****ITEM 501290**
\$8.95

- New, GLOBE MOTORS model 415A431 compact inline gearmotor. Operates on 12-24 VDC.

SPECIFICATIONS

- Speed 1080 RPM (no load)
- Voltage 24 DC
- Amperage 0.07 A (no load)
- Torque 8 in.oz.
- Gear Ratio 6.3:1

- Rotation Reversible
- Duty Continuous
- Mount 3 holes on face M3
- Shaft 0.186" dia. x 0.69" w/flat
- Size 1.375" dia. x 2.75"
- Shpg. $\frac{1}{2}$ lb.

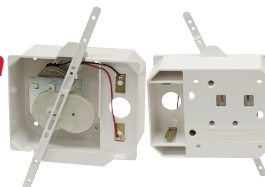
**140 RPM
4.5 VDC
Gearmotor****ITEM 500763**
\$9.95

- New, SOURCE ENGINEERING inline permanent magnet gearmotor. Low voltage and compact size.

SPECIFICATIONS

- Speed 140 RPM
- Voltage 4.5 DC
- Amperage 0.21 Amps
- Torque 12 in. oz.
- Rotation reversible

- Duty continuous
- Mount four M3 holes face
- Shaft 6mm dia. x 15mm w/flat
- Size $2\frac{1}{4}$ " dia. x $1\frac{1}{2}$ "
- Shpg. 1 lb.

**1.5 VDC
Animation
Motor****ITEM 500607**
\$3.99

- New, HANKSCRAFT MOTORS, battery operated motor with gear reduction driving a pivoting arm. Holes to mount hanging lightweight objects at each end of arm. Great for animation. Low torque output. Should be mounted flat. Operates on 1 D cell battery. Geartrain and battery exposed, no power switch (runs when battery is in place).

SPECIFICATIONS

- Voltage 1.5 VDC
- Cycles/minute 33
- Arm length. $7\frac{5}{8}$ "
- Rotation reversible
- Arm rotation 45°

- Arm travel $3\frac{3}{8}$ " side 1
- $1\frac{1}{8}$ " side 2
- Size $4\frac{3}{4}$ " x $4\frac{5}{8}$ " x $1\frac{1}{8}$ "
- Shpg. $\frac{1}{2}$ lb.