DC GEAR MOTORS

SMALL 3-12VDC GEAR MOTOR
Mini DC gear motor, ideal for robotics. Light weight, high torque, low RPM. 1.0" long gearhead motor with all metal gears. 1:10 reduction ratio. Rated 3-12Vdc. 100 RPM @ 6Vdc/0.07A. 80 RPM with load.
- Overall Dimensions: 26 x 12 x 10mm
- Shaft: 3 x 10mm
- Rated Torque: 2 kg/cm
- Stall Torque: 16 kg/cm
- Stall Current: 1A
CAT# DCM-497 $5.00 each

85 RPM 12 VDC GEAR MOTOR
33JPF-15380.50. Quality 12Vdc gear-motor runs 85rpm @ 42mA (no-load), but has input voltage range from 2 - 20 Vdc. At 12 Vdc draws about 160mA typical under load. Overall length excluding shaft - 50mm. Overall dia. - 33mm. Flatted shaft length 6.5mm, shaft diameter 4.0mm. Solder lugs. Ideal for robotics, modelers, hobby projects.
CAT# DCM-416 $5.50 each
10 for $4.50 each

SMALL 3V 20 RPM DC GEAR MOTOR
New gear head motor prepped with an arm that rotates an offset axle in a 1" circle. Can be used to facilitate reciprocating action. Motor is 1.45" D x 3.00" L. No-load specs: 25RPM @ 6Vdc, 150mA. Prepped with wire leads and drive arm. Includes a custom mounting bracket and slotted metal link rod.
CAT# DCM-470 $4.75 each
10 for $4.25 each • 100 for $3.75 each

12 VDC MOTOR
Buehler# EC775596
12 Vdc 200 mA, 5600 RPM. 34mm dia. x 55mm long, 3mm dia shaft with pulley.
CAT# DCM-455 $2.00 each

6 - 24 VDC HIGH-SPEED MOTOR
Buehler# 13.65.36
High-speed permanent magnet motor 6-24 VDC with tach output. 7,000 RPM @ 12Vdc, 100mA (no-load). 34mm dia. x 55mm long, 3mm dia shaft with pulley. Four 90° leads with 4-pin female connector (0.1").
CAT# DCM-408 $2.00 each

6 VDC, 25 RPM GEAR MOTOR
New gear head motor prepped with an arm that rotates an offset axle in a 1" circle. Can be used to facilitate reciprocating action. Motor is 1.45" D x 3.00" L. No-load specs: 25RPM @ 6Vdc, 150mA. Prepped with wire leads and drive arm. Includes a custom mounting bracket and slotted metal link rod.
CAT# DCM-470 $4.75 each
10 for $4.25 each • 100 for $3.75 each

6 VDC GEAR MOTOR
Power Electric Distribution 21267-000 Rev.B. 6 Vdc gear motor. No-load rating: 80 RPM @ 6Vdc, 110mA. Works well down to 1.5Vdc (12RPM). 61mm L x 20mm D. 4mm diameter x 11mm flatted shaft. 280mm leads with 2-pin female connector.
CAT# DCM-365 $5.95 each

6-24 VDC GEAR MOTOR, 1:84 RATIO
Hennkwell# PZ22GR0120R-084BBH.
Good quality 22mm diameter planetary gear brush motor. Smooth, quiet operation.
Wide operating range, 6-24Vdc.
Dual ball bearings. Rated 142RPM @ 24Vdc, no-load. 113 RPM with load, 6mm diameter x 14mm shaft with hole. 2mm diameter shaft at rear of motor. Overall length of motor and gearbox, 60mm. Solder lug terminals.
CAT# DCM-9120 $7.95 each

24 VDC MOTOR
Operates on 18-30 Vdc. 24 Vdc, 0.2A no-load rating. 36mm dia. x 57mm long. 3mm dia. x 20mm long shaft. Solder/pc terminals and shaft on the same end.
CAT# DCM-461 $1.25 each
10 for $1.00 each

24 VDC GEAR MOTOR
Hennkwell# PZ22G9120R-084BB.
Good quality 22mm diameter planetary gear brush motor. Smooth, quiet operation.
Wide operating range, 6-24Vdc.
Dual ball bearings. Rated 142RPM @ 24Vdc, no-load. 113 RPM with load, 6mm diameter x 14mm shaft with hole. 2mm diameter shaft at rear of motor. Overall length of motor and gearbox, 60mm. Solder lug terminals.
CAT# DCM-9120 $7.95 each

85 RPM 12 VDC GEAR MOTOR
33JPF-15380.50. Quality 12Vdc gear-motor runs 85rpm @ 42mA (no-load), but has input voltage range from 2 - 20 Vdc. At 12 Vdc draws about 160mA typical under load. Overall length excluding shaft - 50mm. Overall dia. - 33mm. Flatted shaft length 6.5mm, shaft diameter 4.0mm. Solder lugs. Ideal for robotics, modelers, hobby projects.
CAT# DCM-416 $5.50 each
10 for $4.50 each

SMALL 3V 20 RPM DC GEAR MOTOR
Mini DC motor w/ plastic/nylon gear assembly. 20 RPM @ 3Vdc, no load. Plastic gear housing, nylon gears. Body dimensions 42mm x 42mm x 17mm. 2mm shaft with square shaped expansion. Overall shaft dimensions 36mm L x 5mm diameter.
CAT# DCM-454 $3.00 each

36-24 VDC GEAR MOTOR, 1:84 RATIO
Hennkwell# PZ22GR0120R-084BBH.
Good quality 22mm diameter planetary gear brush motor. Smooth, quiet operation.
Wide operating range, 6-24Vdc.
Dual ball bearings. Rated 142RPM @ 24Vdc, no-load. 113 RPM with load, 6mm diameter x 14mm shaft with hole. 2mm diameter shaft at rear of motor. Overall length of motor and gearbox, 60mm. Solder lug terminals.
CAT# DCM-9120 $7.95 each

45 RPM @ 24 Vdc, 60mA - operates at 12Vdc at 1/2 speed.
Mabuchi motor RS-380SH 1.1" dia. x 1.67". Molon gearbox# CHM-2435-1 2.75" x 3.00" x 0.57"
CAT# DCM-351 $9.75 each

ORDER TOLL FREE 1-800-826-5432 87
6-12 VDC 40 RPM GEAR MOTOR WITH SWITCH
Gear motor with 1/4" shaft. 40 RPM @ 12Vdc. 20 RPM @ 6Vdc. Gear box contains a micro switch that switches on briefly every revolution. 3.0" x 2.4" x 0.70" plastic gear box.
CAT# DCM-493 $4.50 each

GEARMOTOR & WHEEL ASSEMBLY
4.5 - 10 Vdc gear motor with a 2.75" diameter x 1" wide hard plastic wheel and rubber tire. Wheel can be attached to either side of motor. Motor with gearbox is 2.5" long x 0.75" x 0.9" not including axle or wheel. Low current consumption, 120 RPM @ 6 Vdc, 100Ma (no-load rating).
CAT# AC-32 $3.75  $3.00 each

3 AMP DC MOTOR SPEED CONTROLLER
Controls the speed of a DC motor using Pulse-Width-Modulation. An efficient method of changing the speed of a DC motor without changing voltage. Has a potentiometer with on-off switch and a four-position screw-terminal strip for easy connection to motor and power source. Can be used as a lighting dimmer and similar applications with DC loads up to 3A.
CAT # MSC-35 $7.50 each

STEPPER MOTORS

STEPPER / SPINDLE MOTOR
Seagate 73192-193MCCMAS. 45mm diameter x 20mm high stepper motor. 5mm diameter 10mm long shaft with aluminum bearing. 54mm mounting centers. Six 3" wire leads terminate to 6-pin socket.
CAT# SMT-379 50¢ ea. • 10 for 50¢ ea.

STEPPER MOTOR & DRIVER BOARD
Includes our driver board, CAT# ME-16 (see below) and a 5-wire stepper motor that plugs directly into the board. Ideal for beginning robotics projects. Motor is a 4-phase, unipolar stepper, #28BYJ-48.
CAT# ME-125 $5.35 each

STEPPER MOTOR DRIVER BOARD
Four LEDs indicate the status of the stepper. Jumper for 5V / 12V use. 5-contact header mates with connector on some standard stepper motors. 32 x 34 x 11mm.
CAT# ME-16 $2.50 each

STEPPER W/ WORM GEAR & LEAD SCREW
For converting rotary to linear motion. 0.25" dia. x 0.80" long worm gear with nylon lead screw. Lead screw is 0.25" thick with arms that extend in both directions, 1.4" overall length.
CAT# SMT-387 $5.75 each

STEPPER WITH ROTATING MAGNET
Attached to the shaft is a small 6.3mm dia. x 6.3mm long cylindrical neodymium magnet. Ideal for applications that use hall effect sensors.
CAT# SMT-388 $3.50 each

Both the above motors are Portescap #26MO48T29. Mini 5V 7.5º 20Ω coil stepper motor. 48 steps per revolution. 26mm dia. x 13mm excluding shaft. Six 5" wire leads with 6-pin connector, 2mm spacing. Mounting flanges with 35mm centers.

STEPPER MOTOR DRIVER
Dual H-Bridge driver using L298N chip. 5V logic. Operates on 5-35Vdc. 25W max power. 43 x 43 x 26mm.
CAT# SMD-298 $5.95 each

STEPPER / SERVO MOTOR CONTROLLER,
DK Electronics V1.0. Arduino compatible motor shield. The board has two STMicroelectronics L293D Motor H-Bridge IC's which can drive up to 4 DC motors (or up to 2 stepper motors) with 0.6 A per bridge (1.2 A peak). 70 x 54 x 13mm.
CAT# SMD-293 $6.95 each

MICRO STEPPER W/ WORM SCREW
Tiny 2-phase, 4-wire stepper motor with worm screw. 3-5 Vdc. Working current: 200-350 mA. Step angle: 22.5° (16 pulses to a circle). Dimensions including mounting bracket, 65 x 14 x 5mm. Length of worm screw, 48mm. Does not have a drive sleeve.
CAT# SMT-597 $1.00 ea. • 5 for 85¢ ea.

12 VDC MOTOR-DRIVE ACTUATOR FOR AUTO DOOR LOCKS
Nylon plunger moves 0.75". Push or pull, depending on polarity. Includes mounting hardware and a 10" metal extension rod which fits through the hole in the end of the plunger. Overall dimensions of actuator assembly (retracted): 8.42" x 2.35" x 1.15". Rubber boot protects against moisture and dust. Pigtail leads.
CAT # DLA-1 $5.50 each