



P300 Series Gearmotors



DC SCR 90V and
Low Voltage (12V) Output Torque
44-353 In-lbs

- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance.
- Precision machined in-line steel gears with a first stage steel helical gear followed by spur-type gears.
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage.
- Output shafts have needle bearings for high load capacities.

PE350 Series Gearmotors



DC SCR 90V and
Low Voltage (12V) Output Torque
25-341 In-lbs

- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance.
- Precision machined in-line steel gears with a first stage steel helical gear followed by spur-type gears.
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage.
- Output shafts have needle bearings for high load capacities.

Right-Angle 13 Series Gearmotors



DC SCR 90V and
Low Voltage (12V) Output Torque
50-135 In-lbs

- Gearbox output shafts are 303 stainless steel.
- This worm type right angle gearing features hardened steel worm with bronze worm wheel for long life and quiet operation.
- Lubrication is permanent synthetic oil.
- Output shafts have ball bearings for carrying maximum thrust loads.



Enhanced Performance in Wet and Humid Areas

These new units are designed and manufactured to provide enhanced performance in wet and humid areas. This product offering is a perfect addition to LEESON's market-leading WASHGUARD motors, known to "shed water like a duck." Both the motors and gearmotors meet IP55 environmental conditions.

The gearmotor styles include both parallel and right-angle output shaft configurations. The parallel units have ratio options from 5:1 up to 336:1 with full load torque ratings exceeding 300 in-lbs. The right-angle ratio options range from 5:1 up to 60:1 (all single stage) and full load torques up to 135 in-lbs. All the WASHGUARD gearmotor mounting dimensions have "drop-in" dimensions that match LEESON's current stock offerings for easy direct interchange to the WASHGUARD units. LEESON's WASHGUARD gearmotor critical mounting dimensions "match-up" exactly with several major competitors like Bison, Bodine and WWG.



Features

- 300 Series stainless steel output shafts on the right-angle gearmotors for long, rust-free life.
- Parallel shaft gearmotors have Mirolon 3300 fortified Teflon with ceramic coating on the output shaft to provide similar rust-free life.
- Double O-rings to prevent water entrance at the threaded brush covers on 12-volt units.
- Spring-loaded lip seals used on gearbox output shafts.
- Immersion-proof breather to allow water vapor from condensation to be vented.
- Sealed bearings in the motors.
- All units are white-epoxy painted.

Applications

LEESON WASHGUARD motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Typical applications are in material handling (conveyors, auger and pumps), food processing and packaging (conveyors, stretch wrap machines).

Application Notes

- WASHGUARD motors retard the entrance of water. Extra protection for the motor's interior prevents rust and corrosion build-up and releases trapped moisture to insure a longer life than possible with a standard motor.
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out.
- Conduit box cover is made from 304 stainless steel.
- One-way stainless steel vapor vent is provided for any condensation that may accumulate inside the motor.
- All hardware is stainless steel.
- Motor is painted with white epoxy for superior corrosion resistance and protection.
- Machined fits between the endbells and motor frame are sealed with gaskets.
- Thru-bolt heads and nuts sealed with fiber washers.
- O-rings are under each threaded brush cover.

