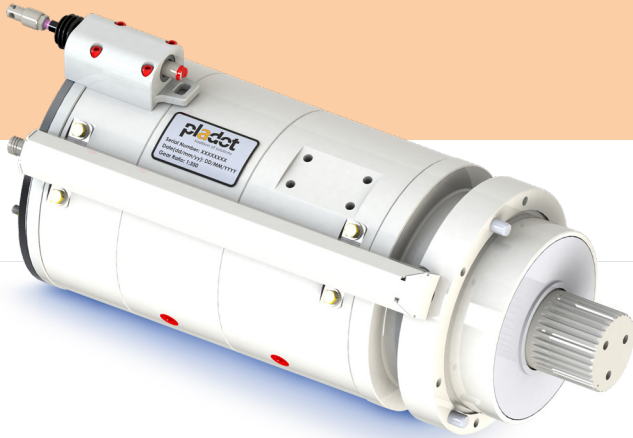


Planetary Gearbox for Electric Ramp Door

gevasol Ping

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- Harsh Environment
- Heavy Loads
- High Impact

A Compact, Efficient and Reliable Torque Transmission System

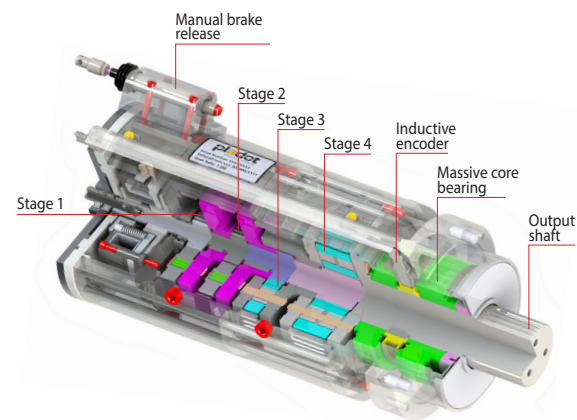
Gevasol Motion Systems' planetary gearbox ensures high torque, durability, and compliance with military standards for seamless ramp door operation.

Features

- A 1:350 gear ratio efficiently generate the necessary torque for lifting and lowering heavy-duty ramp doors.
- Continuous torque of 4,000 Nm, with intermittent capability up to 12,000 Nm, ensures heavy load capacity.
- Designed with a safety factor of 5, it withstands breaking torques exceeding 20,000 Nm.
- The 12 VDC brake provides 40 Nm holding torque and includes a manual release option for emergency operation.
- Complies with MIL-STD-810G, ensuring resistance to shocks, vibrations, sand, dust, water, salt mist, and humidity.
- IP67-rated sealing guarantees impermeability to water and contaminants.
- Operates reliably within a temperature range of -10 °C to 70 °C.
- An integrated inductive encoder enables precise position feedback.
- Massive core bearings enhance load distribution and durability.

Built to need, we design, adapt, and integrate our solutions to the customer requests and beyond..

Contact us: marketing@gevasol.com



Main Specifications

Gear:

Input Speed: 1200 RPM
Gear Ratio: 1:350
Weight: 107 Kg

Torque:

Continuous Output: 4,000 Nm
Intermittent Peak: 12,000 Nm
Safety Factor: 5 (Breaking Torque > 20,000 Nm)

Brake:

Operating Voltage: 12 VDC
Holding Torque: 40 Nm
Manual Release for Emergency Use

Environmental Conditions:

Sealing: IP67
Temperature Range: -10°C to 70°C
MIL-STD-810G Compliance:
Shock Resistance
Sand, Dust, and Water Impermeability
Salt Mist and Humidity Resistance
Durability for Diesel Fuel