

G-SERIES GEARED MOTOR RANGE



GF – OFFSET INLINE HELICAL

POWER RANGE: 0.12KW~200KW

OUTPUT SPEED: 0.1RPM – 752RPM

OUTPUT TORQUE: 130NM – 18000NM



GR – INLINE HELICAL

POWER RANGE: 0.09KW~160KW

OUTPUT SPEED: 0.05RPM – 1829RPM

OUTPUT TORQUE: 50NM – 18000NM



GK – RIGHT ANGLED HELICAL BEVEL

POWER RANGE: 0.12KW~200KW

OUTPUT SPEED: 0.1RPM-522RPM

OUTPUT TORQUE: 200NM-50000NM



GS – RIGHT ANGLED HELICAL WORM

POWER RANGE: 0.12KW~22KW

OUTPUT SPEED: 0.1RPM-397RPM

OUTPUT TORQUE: 70NM-4200NM

DESIGN FEATURES

G-SERIES GEARED MOTOR RANGE.

- FOLLOWING EUROPEAN MARKET STANDARD FOOTPRINT ALLOWING COMMON DESIGN INTERCHANGEABILITY
- HIGH-QUALITY CAST-IRON HOUSING WITH HARDENED AND GROUND GEARING FOR ACCURATE AND SMOOTH OPERATION
- RIGHT ANGLE & INLINE VARIANTS
- LARGE POWER & TORQUE RANGE 0.09Kw – 200Kw / 85Nm – 50000Nm
- SOLID SHAFT, HOLLOW SHAFT & SHRINK DISK OUTPUT OPTIONS.
- FOOT, FACE, FLANGE, & TORQUE ARM MOUNTING OPTIONS.
- GEARBOX ONLY OR GEARED MOTOR COMBINATIONS.
- LOW NOISE AND LONG SERVICE LIFE.
- BRAKE, ENCODER & FORCE VENT OPTIONS

APPLICATIONS AND ADVANTAGES

The Versatility of Helical Servo Gearboxes in Motion Control and Industrial Automation

In the realm of motion control and industrial automation, the demand for precision, torque, and efficiency reigns supreme. Enter helical servo gearboxes, the unsung heroes powering a multitude of applications across various industries. These high-efficiency hypoid servo gear units have carved their niche in critical scenarios where accuracy and reliability are non-negotiable.

Industrial Automation stands as the cornerstone of their application spectrum. From robotics to CNC machinery, assembly lines to material handling equipment, helical servo gear units orchestrate precise positioning, conveying, and handling tasks with unparalleled finesse.

Packaging Machinery witnesses their prowess, ensuring seamless operations in form-fill-seal machines, cartoners, and case packers. These gear units facilitate the smooth and precise movement of crucial components, enhancing the efficiency of packaging processes.

Machine Tools owe their precision and power to these gearboxes, serving as integral components in milling machines, lathes, and grinding machines. Whether it's cutting, shaping, or finishing operations, helical servo gear units deliver the torque and accuracy required for optimal performance.

Printing Equipment embraces their capabilities for precise paper handling, ink distribution, and registration control. From printing presses to digital printers, these gear units ensure accurate positioning and smooth operation, even at high speeds.

Medical Devices rely on them for precise motion control in imaging devices, diagnostic equipment, and surgical robots. With the utmost efficiency and reliability, helical servo gear units facilitate intricate movements critical for medical procedures.

Renewable Energy systems such as wind turbines and solar tracking systems harness their potential to convert variable motion into consistent rotational energy. This optimization enhances energy production while maintaining reliability.

Automotive Manufacturing benefits from their precision in tasks like welding, painting, and component placement along assembly lines. These gear units ensure accurate positioning of robotic arms and tools, streamlining production processes.

Aerospace and Defense applications demand their precision, reliability, and compactness. From radar antennas to satellite dish positioning mechanisms, helical servo gear units play a vital role in ensuring mission success.

In the Food and Beverage Industry, where hygiene and precision are paramount, these gear units excel in tasks like mixing, portioning, and packaging, enhancing efficiency while maintaining sanitary standards.

Material Handling operations in warehouses, distribution centres, and logistics operations leverage their efficiency and precision in conveyors, lifts, and automated storage systems, ensuring seamless movement of goods.

Overall, the versatility of helical servo gearboxes transcends industries, making them indispensable components in applications where precision motion control is paramount. With their high efficiency, precision, and reliability, these gear units continue to drive innovation and efficiency in industrial and commercial sectors worldwide.