

Helical Worm Speed Gearbox 15-3400Nm

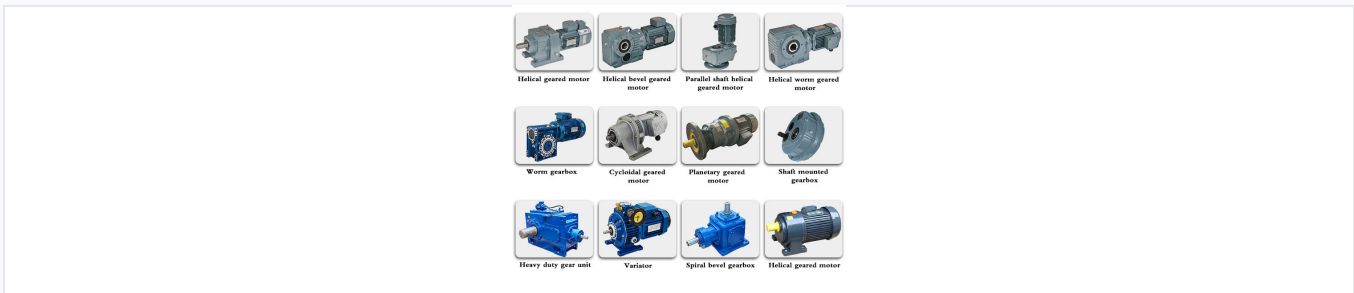
Helical gearmotors represent a new generation of hard teeth face helical gear reducers based on a modularized design. These gearboxes offer compact construction, great transmission torque, low noise, and high mechanical efficiency, making them suitable for various industrial applications.



ADDITIONAL IMAGES



Product Overview



Comprehensive range of high-performance gear units, including helical, worm, and planetary configurations for diverse industrial applications.

High-Performance Helical Gear Reducer

This new generation of hard-tooth face helical gear reducers features a modularized design for compact construction and high transmission torque. Engineered with precision-ground 20CrMnTi alloy steel gears, these units deliver exceptional mechanical efficiency and quiet operation. They are widely utilized across demanding industries including metallurgy, mining, chemical processing, and automated machinery.

Performance Metrics

Torque Range

15 Nm

Min Torque

3400 Nm

Max Torque

Efficiency

95 %

Noise Level

60-68 dB

Technical Specifications

Construction Materials

Component	Material
Housing	HT250 High-strength cast iron
Gears	20CrMnTi Alloy steel
Shafts	42CrMo Alloy steel

Machining Precision

Grade 6-5 • Accurate grinding

Gear Hardness (Surface)	HRC58-62
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Operational Limits

Max Temperature Rise

- Ambient: 40°C
- Oil: 50°C

Precision Limits

- Backlash: d20 Arcmin
- Vibration: d20 µm

Maintenance

Recommended Lubricants	GB L-CKC220-460, Shell Omala 220-460
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