

# Helical Worm Speed Gearbox 15-3400Nm

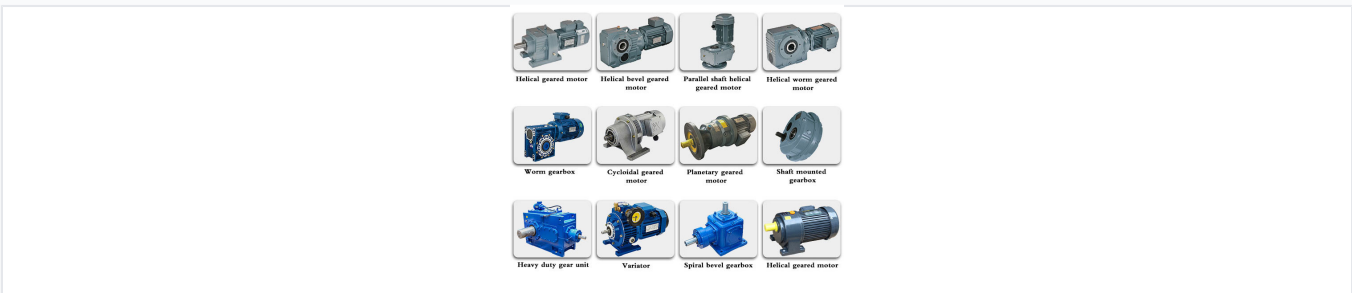
Helical gearmotors represent a new generation of hard teeth face helical gear reducers based on a modularized design. These gearboxes offer compact construction, great transmission torque, low noise, and high mechanical efficiency, making them suitable for various industrial applications.



## 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
-------------------------	----------

## 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
------------------------	--------------------------------------