

Helical Gear Speed Reducer

This helical gear speed reducer offers a transmission ratio of 1.25-450. It provides an output speed of 1-1200 r/min and output torque up to 952000 N.m.



Product Overview

High-Performance Helical Gear Unit

This modular helical gear speed reducer is engineered for demanding industrial applications requiring reliable torque amplification and speed reduction. Built with high-strength cast iron housing and precision-ground alloy steel gears, the unit offers exceptional load-bearing capacity and durability. Its advanced design features noise-reduction housing and optimized cooling systems, ensuring efficient operation even in rigorous environments.

Technical Performance

Efficiency per Stage	98 %
Noise Level	<70-80dB
Temperature Rise	<40-50
Precision Grade	ISO1328 Grade 6 or better

Construction & Materials

Housing Material	HT250 High-strength Casting Iron
Gear & Shaft Material	20CrMnTi Alloy Steel, 40Cr Alloy Steel
Sealing System	Double-lip oil seal

Mounting & Configuration

Mounting Configurations

- Horizontal mounting
- Vertical mounting

Output Shaft Options

- Solid output shaft
- Hollow output shaft
- Hollow shaft with shrink disc

Quality Assurance

Quality Control

100% Tested • Carburized & Quenched Gears • Stress-Relieved Housing