

# Helical Bevel Gear Reducer

This helical bevel gear reducer provides efficient mechanical power transmission for heavy-duty industrial applications. Its helical bevel gear set ensures high torque capacity and smooth, quiet performance.



## Product Overview

### High-Performance Helical Bevel Gear Reducer

This modular helical bevel gear reducer is engineered for heavy-duty industrial applications, offering exceptional power transmission efficiency and reliability. Featuring a sound-absorbing cast iron housing and advanced gear grinding processes, it delivers high torque capacity with minimal noise and temperature rise. Designed for versatility, the unit supports multiple mounting configurations and output shaft options to seamlessly integrate into demanding machinery like conveyors and crushers.

## Technical Performance

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

## Construction & Materials

Housing Material	High-strength casting iron HT250
Gear Material	Low-carbon alloy steel 20CrMnTi
Output Shaft Material	Low-carbon alloy steel 40Cr
Bearing Options	Standard High-Quality, SKF, NSK, FAG

## Configuration & Design

### Mounting Options

- Horizontal mounting
- Vertical mounting

### Output Shaft Types

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

## Quality Assurance

### Testing Protocol

100% Tested • Carburizing & Quenching • Fine Profile Grinding • Double-lip Oil Seal