

Spiral Bevel Gearbox for Construction and Agricultural Machinery

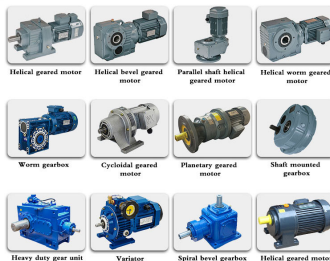
This spiral bevel gearbox is designed for use in construction and agricultural machinery. It features precision-engineered gears and a durable housing for reliable power transmission.



ADDITIONAL IMAGES



Product Overview



A wide variety of industrial power transmission components including spiral bevel gearboxes.

T-Series High-Performance Gearbox

The T-series spiral bevel gearbox is a robust mechanical power transmission solution engineered for high-demand construction and agricultural machinery. Featuring high-strength cast iron housing and precision-ground 20CrMnTi alloy steel gears, this unit offers exceptional durability and efficiency up to 98%. Designed for smooth operation in heavy-duty applications, it ensures minimal noise and vibration even under demanding industrial conditions.

Technical Performance

Key Performance Indicators

98 % Efficiency	68 dB Max Noise Level	20 Arcmin Max Backlash
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Materials and Build

Material Composition

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

Hardness Specifications

- Housing Hardness: HBS190-240
- Gear Surface Hardness: HRC58-62
- Gear Core Hardness: HRC33-40
- Shaft Hardness: HRC25-30

Operating Environment

Temperature and Maintenance

- Max Temperature Rise: 40°C
- Max Oil Temperature Rise: 50°C
- Vibration Limit: d20µm
- Recommended Oil: GB L-CKC220-460 or Shell Omala220-460

Components

Compatible Bearing and Seal Brands

HRB, LYC, ZWZ, NSK, NAK