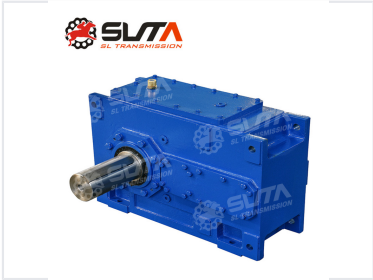


# Parallel Shaft Gearbox for Wind Turbines

This parallel shaft gearbox is designed for wind turbine applications. It provides efficient power transmission and reliable performance in demanding industrial environments.



## ADDITIONAL IMAGES



## Overview

### Professional H-Series Industrial Gearbox

The H-series parallel shaft industrial gearbox is engineered for demanding applications, including wind turbine energy systems. Constructed from high-strength cast iron and alloy steel, this unit ensures reliable power transmission with high torque capacity and efficiency levels ranging from 92% to 98%. It features precision-ground gears and advanced heat treatment processes for extended service life and consistent performance in harsh environments.

## Performance Metrics

### Efficiency

<b>92 %</b> Min Efficiency	<b>98 %</b> Max Efficiency
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### Operating Noise

60-68 dB

## Technical Specifications

### Transmission Ratios

Stage	Ratio Range
BC2	5~18
BC3	12.5~90
BC4	80~400
HC1	1.25~5.6
HC2	6.3~28
HC3	22.4~112
HC4	100~450

Core Materials	HT250 Cast Iron Housing, 20CrMnTi Alloy Steel Gears, 42CrMo Alloy Steel Shafts
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Gear Precision Grade	6~5 Grade
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### Environmental Limits

Max Temperature Rise	40 °C
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Max Oil Temp Rise	50 °C
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### Mechanical Tolerances

Vibration Limit	d20 <del>0</del>
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Backlash	d20Arcmin
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