

# Cylindrical Gearbox Z Series

This cylindrical gearbox features gears made of high-strength alloy steel, carburized and quenched for exceptional durability. The gear teeth are precision ground to ensure high accuracy and optimal contact performance.



## Product Overview

### Z Series Cylindrical Gearbox

The Z series cylindrical gearbox is a robust and efficient power transmission solution designed for demanding industrial environments. These units feature high-strength, carburized and quenched alloy steel gears that ensure durability and long-term reliability. Engineered for optimal performance in heavy-duty machinery, they provide high transmission efficiency, low operational noise, and a compact footprint that simplifies integration.

## Performance Metrics

### Transmission Efficiency

**96.5 %**

Single-Stage

**93 %**

Double-Stage

**90 %**

Three-Stage

## Technical Specifications

Construction Materials	Low Carbon Alloy Steel, Carburized, Quenched
Tooth Surface Hardness	60 HRC

## Model Types

### Available Gearbox Types

- ZDY (Single-stage)
- ZLY (Double-stage)
- ZSY (Three-stage)

### Available Sizes by Type

Gearbox Type	Size Options
Single-stage (ZDY)	80, 100, 125, 160, 200, 250, 280, 315, 355, 400, 450, 500, 560
Double-stage (ZLY)	112, 125, 140, 160, 180, 200, 224, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710
Three-stage (ZSY)	160, 180, 200, 224, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710