

# Hardened Steel Pinion Shaft with Splined and Gear Sections

This high-precision pinion shaft is manufactured for demanding industrial applications. It features hardened steel construction, a splined section for secure torque transmission, and a gear section with precision-cut teeth.



## Product Overview

### High-Precision Transmission Component

This hardened steel pinion shaft is engineered for demanding industrial power transmission applications. Featuring a robust design with both splined and precision-cut gear sections, it ensures secure torque transmission and optimal meshing with minimal backlash. Its case-hardened surface treatment provides exceptional durability and wear resistance, making it an ideal choice for gearboxes and transmission systems.

## Technical Specifications

### Surface Treatment

Case Hardened

### Material

Hardened Steel

## Application & Usage

### Primary Applications

Gearbox, Transmission, Power Transmission Systems

## Design Features

### Key Design Elements

- Splined section for secure torque transmission
- Precision-cut gear teeth for optimal meshing
- Minimal backlash design