

# Engine Crankshaft for Power Transmission

This is a rotating component that serves as the main power transmission part of an engine. It ensures optimal lubrication to critical bearing surfaces, extending the lifespan and reliability of the engine.



## ADDITIONAL IMAGES



## Overview

### Precision-Engineered Crankshaft

This crankshaft is a critical component designed to convert the reciprocating motion of connecting rods into rotational movement, serving as the primary power source for engines and mechanical systems. Constructed from high-strength materials like carbon structural steel or ductile iron, it ensures durability and reliability under demanding conditions. Featuring precision-machined journals and balanced counterweights, this component minimizes vibration and optimizes power delivery for diesel engines and generator sets.

## Technical Specifications

### Key Dimensions

**130.2 mm**

Journal Dimension

### Design Features

- Main journal for cylinder block installation
- Connecting rod journal for piston linkage
- Machined oil passages for lubrication
- Hardened journals
- Optimized counterweights for balance
- Integrated keyway for secure power transmission

### Material

Carbon Structural Steel, Ductile Iron, High-Strength Alloy Steel

## Application

### Suitable Applications

Internal Combustion Engines • Diesel Engines • Generator Sets • Industrial Machinery