

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