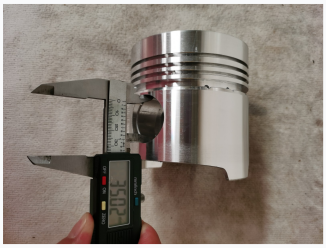
Internal Combustion Engine Piston

The piston withstands gas pressure within the engine. It drives the crankshaft to rotate via the piston pin and forms part of the combustion chamber.

ADDITIONAL IMAGES



Product Overview

Precision-Engineered Piston

This internal combustion engine piston is meticulously engineered to withstand extreme operating conditions, including high temperatures, pressures, and rapid reciprocating speeds. Constructed from high-strength aluminum alloy, it features a precision-machined crown and ring grooves for optimal combustion efficiency and sealing. Designed for durability and performance, this component ensures reliable operation and extended engine life under the most demanding mechanical stresses.

Technical Specifications

Model Type	K4100
Part Number	C8126987456438

Operating Metrics

Performance Metrics

2500 K	700 K	12 m/s
Instantaneous Gas Temp	Max Piston Top Temp	Max Reciprocating Speed

Pressure Ratings

Engine Type	Max Pressure
Gasoline Engine	3-5 MPa
Diesel Engine	6-9 MPa

Engineering & Design

Key Features

- High-strength aluminum alloy construction
- Precision-machined ring grooves
- Meticulously machined crown
- Honed piston pin bore
- Polished skirt for minimal friction