

Engine Piston

This is a piston, a crucial component in an internal combustion engine. It is a cylindrical part that moves reciprocally within the cylinder bore.



Overview

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This engine piston is a critical component designed to withstand the intense gas pressure generated during the combustion cycle. It functions by converting the force of expanding gases into mechanical motion, transferring energy to the crankshaft via the connecting rod. The piston crown serves as an integral part of the combustion chamber, engineered to handle high temperatures and pressures efficiently.

Technical Details

Material	Aluminum Alloy
Key Features	High Heat Dissipation, Lightweight, Reciprocating Motion, Pressure Resistant

Design Features

Design Components

- Piston Ring Grooves
- Piston Pin Bore
- Reinforced Crown
- Stabilizing Skirt