

# PARTS AND ENGINES

## Genuine DEUTZ Piston

**DEUTZ SERVICE.** We care. We support. We deliver.

### Perfect interaction

The complex geometry of DEUTZ pistons is precisely matched to the DEUTZ engine. The result is long and trouble-free operation.



DEUTZ  
PRECISION  
PARTS FOR  
YOUR ENGINE!

All pistons are not the same: Only DEUTZ Genuine Pistons offer the specific design that is required for optimum engine performance. Even minimal deviations of material and production quality can lead to increased wear and loss of engine performance.

The engine company.



A genuine DEUTZ piston has undergone a long development process with elaborate test runs - no wonder in view of the extreme loads that await it in operation: At 1800 revolutions per minute, a piston changes direction more than 5 million times in 24 hours, covering a distance of more than 500 km. All this at a combustion pressure of up to 160 bar and temperatures of up to 2000 °C!



- 1 Piston crown
- 2 Combustion chamber bowl
- 3 Head land (top land)
- 4 Compression ring
- 5 Oil scraper ring
- 6 Piston pin bushing

## The benefits of buying DEUTZ

### Piston

- High-alloy cast iron ring insert protects first piston ring groove from wear
- Hard anodizing prevents thermal and mechanical overload and cracks to the bowl edge and crown.
- A special combustion trough helps to achieve the perfect combustion process in every DEUTZ engine.

### Piston rings

- Optimized frictional resistance and fit prevent increased wear and loss of engine performance
- High resistance against wear from thermo-mechanical stress chemicals allow for a long life time and operational safety

### A perfect match

- Perfect fit of cylinder liner, piston and piston rings minimizes noise emissions and reduces fuel and oil consumption.



## Scope of supply

- Piston fitted with piston rings
- Piston pin and pin circlip

**Available at your local DEUTZ Service Partner and at [www.deutz-serviceportal.com](http://www.deutz-serviceportal.com)!**

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