



suitable for:

SUZUKI RM-Z 250

2010-2011

CYLINDER, PISTON, GASKET KIT

BIG BORE Ø 83 mm / 290 cc



Bolt On

P/N: **P400510100020**

SUGGESTED RETAIL PRICE

€756.00

VAT INCLUDED

TECHNICAL CHARACTERISTICS

ATHENA presents its new **BIG BORE** Kit for the **SUZUKI RM-Z 250**, tested on tracks and on dynamometric bench. Contrary to the competitors **ATHENA** is the only one producing this cylinder in a **BOLT-ON** version, in other words it can be installed on the engine without any crankcase modifications. **ATHENA** have matched the **cylinder** with a **forged piston** which has a higher compression ratio than that of the OE, we intended to reach the best performances ever. The **gaskets** have been developed using last generation technologies; in particular the **multilayers head gasket** has been redesigned to be suitable to the new dimensions and performance of the **BIG BORE** cylinder kit.

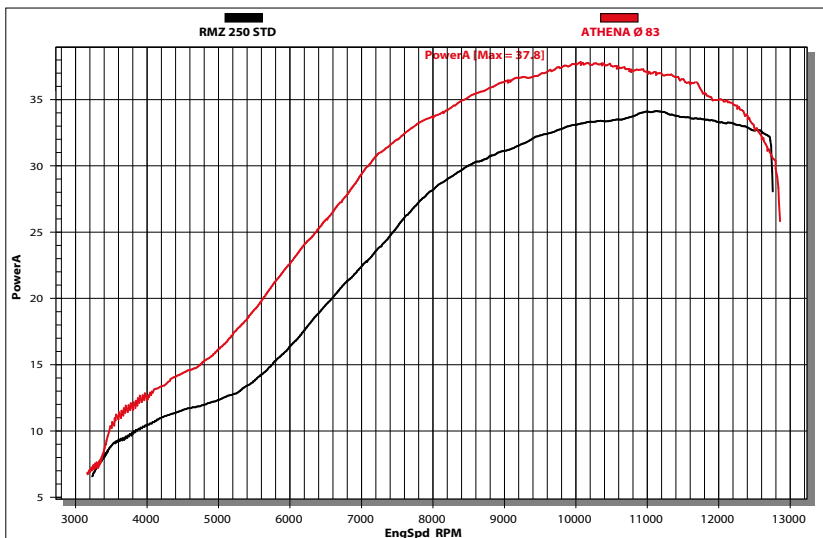
SPARE PARTS

- S4F08300007A Forged piston Ø 82.95;
- S4F08300007B Forged piston Ø 82.96;
- P400510160018 Gasket kit;

TECHNICAL DATA

	ATHENA	OEM
CYLINDER BORE	83 mm	77 mm
STROKE	53.6 mm	53.6 mm
DISPLACEMENT	289.7 cc	249 cc
COMPRESSION RATIO	13.6:1	13.4:1
WHEEL POWER	28.2 kW / 37.8 HP / 10100 rpm	25.5 kW / 34.2 HP / 11200 rpm

POWER CURVES



ATHENA (28.2 kW / 37.8 HP)
 Test made with:
 - ATHENA Cylinder kit ATHENA Ø 83 mm.

OEM (25.5 kW / 34.2 HP)
 Test made with stock engine.

STRENGTH POINTS

1. Projects use 3D Solid Modelling software creating virtual simulation and verification of mechanical stresses.
2. Aluminium cylinder cast in steel moulds and manufactured by CNC machines to assure millesimal tolerances during all manufacturing phases.
3. Redesigned water jackets to increase capacity
4. Cylinder liner with a special silicon carbide and nickel coating mixture to grant the best fluidity of the piston and durability of the cylinder.
5. Lapping performed in rooms with indoor temperatures of around 20 degrees, in order to have an excellent control of the boring and of each cylinder quality.
6. Cylinder support surfaces are perfectly parallels in order to eliminate any matching inaccuracy.

OPTIONAL

ATHENA SUGGESTS TO USE ALSO:

- FFC017 Oil filter (not included);
- S410510200019 Air filter (not included);
- P400510850076 Complet kit (not included);
- P400510400050 Engine oil seal kit (not included).

