



suitable for:

YAMAHA YZ 250

2003-2012

CYLINDER, PISTON, GASKET KIT

BIG BORE Ø 72 mm / 294 cc



P/N: **P400485100042**

New **BIG BORE** cylinder kit for **YAMAHA YZ 250**. This kit includes a nickel coated cylinder with bigger water jackets, a High Performance forged piston with special domed and the top end gasket set.

Thanks to the new production method of CNC machines, the cylinder kit guarantees an unbeatable quality-price ratio.

- **S4F07200006A** Forged piston Ø71.95;
- **S4F07200006B** Forged piston Ø71.96;
- **S41316257** Rings;
- **P400485160183** Gasket kit;



OEM

CYLINDER BORE	72 mm	66.4 mm
STROKE	72 mm	72 mm
DISPLACEMENT	293.2 cc	249 cc
COMPRESSION RATIO	15:1	15:1
WHEEL POWER	33.8 kW / 45.3 HP / 7600 rpm	30.6 kW / 41.0 HP / 8700 rpm



ATHENA [33.8 kW / 45.3 HP]
 Test made with:
 - ATHENA cylinder kit Ø 72 mm.

OEM [30.6 kW / 41.0 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.

P400485850267 Complete Gasket kit	P400485400035 Oil seal kit	R4856-267 Race Kit 99-12	FPS11-2SYZ250-L Radiator SX	FPS11-2SYZ250-R Radiator DX	S410485200022 Air filter	P400485444038 Crankshaft Reb. Kit	GK-C1-0001 Hour Meter

Rely on premium motorcycle engine parts by Athena if you're looking for quality and efficiency.