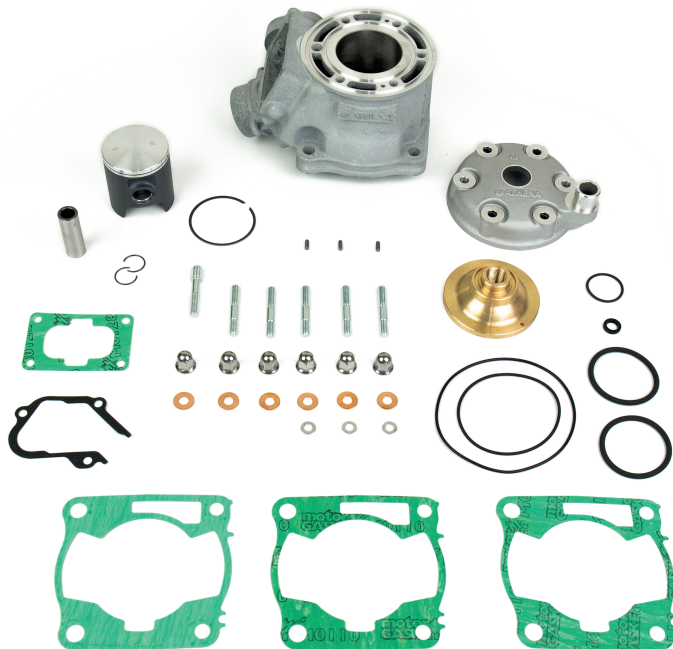


NEW PRODUCT

# CYLINDER KIT Ø 47,5 MM 85 CC

YAMAHA YZ 85 2019/2021



**PRICE:**  
€ 600 (VAT excl.)

**PART NUMBER:**  
P400485100076

- INCLUDED IN THE KIT:**
- Cylinder
  - Cylinder head
  - Central Dome
  - Piston Kit
  - Gasket Kit

Athena presents the **new standard bore cylinder kit** developed for **Yamaha YZ 85 2019/2021**.

This kit stands out from the OE one for some technical **improvements**, result of Athena's experience and know-how. These refinements ensure extreme **reliability** and an **optimal run**.

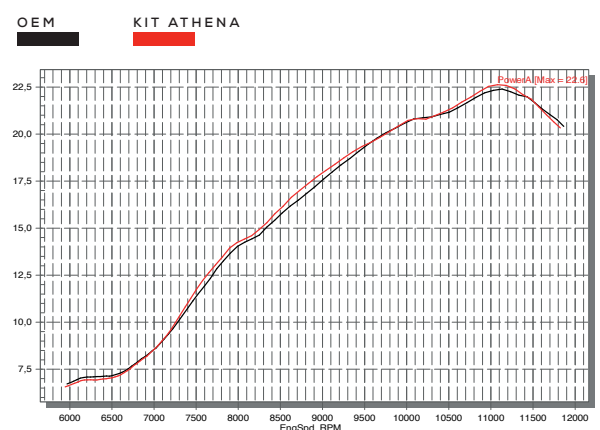
All the components of the kit have been developed to **resist** at the highest **temperatures, pressures** and **stresses** and are perfectly replaceable to the OE ones. The cylinder kit was **also tested on the track and on the dynamic and static bench** to verify performance and quality.

This cylinder kit can be installed **without any crankcase machining**.

## TECHNICAL DATA

	OEM	KIT ATHENA*
DISPLACEMENT	84,7 cm <sup>3</sup>	84,7 cm <sup>3</sup>
BORE	47,5 mm	47,5 mm
STROKE	47,8 mm	47,8 mm
COMPRESSION RATIO	14,9 : 1	14,9 : 1
POWER CURVE	22,4 HP 11.100 RPM	22,6 HP 11.100 RPM

\* Data referred to a bike with a stock setting engine + Athena cylinder kit



## TECHNICAL FEATURES

**Engineered and produced entirely in Italy**, the Yamaha YZ 85 cylinder kit has been revised and developed by Athena technicians to improve engine performance and efficiency:

### CYLINDER WITH 6 STUDS

Compared to the original cylinder head, which includes 4 studs, Athena has studied and developed a head with **6** equally-spaced **hub studs** to **distribute more evenly** the **clamping load**. This improvement avoids leakage which could compromise engine performance.

The **special stud** on the exhaust allows for maximum cooling, **optimal thermal dispersion** and perfect engine efficiency.



### MODULAR CYLINDER HEAD

The OE cylinder head, entirely in aluminum, was revised and engineered by Athena R&D technicians by providing an interchangeable dome, in order to ensure **maximum flexibility in customization** and better performance.

The cylinder head, redesigned for the 6 studs, is made of aluminum, while the **central dome** is manufactured from **bronze**, which ensures better **thermal stability** even at high temperatures.



### PISTON WITH SINTERED COATING

Produced with cutting-edge computer technology, which ensures dimensional tolerances of less than 0.01 mm, **Athena piston** is made from **gravity casting** of high quality materials which guarantee the same **reliability** of the OE piston, while at the same time providing **greater resistance** and **excellent performance**.

The piston has a special **Molybdenum Disulfide** sintered coating to **reduce friction**, while the perfectly smooth profiles ensure a **perfect flame propagation**.



## SPARE PARTS

PART NUMBER	DESCRIPTION	PRICE (VAT EXCL.)
P400485160076	Gasket Kit	€ 20,00
S4C04750005A	Cast Piston Ø 47,45 mm	€ 65,00
S4C04750005B	Cast Piston Ø 47,46 mm	€ 65,00
S410485308035	Cylinder Head	€ 55,00
S410485308032	Central Dome	€ 40,00

The complete application list is available on [shop.athena.eu](https://shop.athena.eu)

## ▶ RELATED PRODUCTS



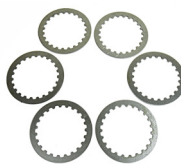
CDI CONTROL UNIT  
(2019/2020)

GK-CDI-0006



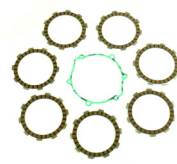
AIR FILTER  
(2002/2020)

S410485200016



STEEL CLUTCH PLATES  
KIT (2002/2020)

P40240059



FRICTION PLATES KIT  
WITH CLUTCH COVER  
GASKET (2002/2020)

P40230107