

# YZ450F 2020-22 Big Bore and stock replacement cylinder kits

Big Bore cylinder kit



Once again, Athena has surpassed itself with these new Big Bore and Standard Bore kits for Yamaha YZ450F 2020-2022, designed and manufactured in Italy for "performance, reliability and endurance".

"Tested on the bench and on the track, both kits can be installed without having to make any changes to the motorbike crankcase, and include the forged piston designed by Athena, the aluminium cylinder with self-lubricating and anti-seizure coating on the barrel and the corresponding range of gaskets made using Athena's 40 plus years of gasket manufacturing experience".

The new Athena Big Bore cylinder boasts excellent torque and power performance, delivering 6 hp more than the original set-up. To achieve this, Athena says that its engineers "designed top-quality, high-precision components".

"The aluminium cylinder in this cylinder kit features 102 mm bore, which provides a significant increase in torque and power at low, medium and high revs. The forged piston included in the kit was designed by

Athena engineers together with the cylinder to create a system that performs even better than the original. The results obtained from bench and track tests also demonstrated an increase in the compression ratio". Athena has also researched and re-engineered the Standard Bore cylinder kit. It ensures the same durability and reliability as the original kit, and at the same time maintains the new features of the YZ450 F 2020-2022 engine.

Athena's new aluminium cylinder has been heat-treated to improve its mechanical properties and to ensure maximum resistance even at high temperatures; the included forged piston has a molybdenum disulphide coating on the shell - which further reduces friction and improves the sliding.

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Standard Bore cylinder kit

