

**NEW**



**MHR**  
MALOSI HYPER RACING

# Aluminium cylinder kit Ø 57.5

## THE NEW LEGEND

Cylinder Kit MHR Ø 57,5 aluminium  
pin Ø 15  
Piston with one rectangular ring

**3115829 € 340.00**

VESPA ET3 Primavera 125 2T  
ETS 125  
PK 125  
PK XL 125



<b>3115829</b>	<b>Ø 57,5 mm</b>
Use	Sport / racing
Power range	18 / 25
Level of elaboration	easy
Carburettor recommended	Phbl 25/ vhsst 28
Stroke	51
Compression ratio	1:12,5
N° piston rings	1
N° ports	7
Head	Hemispheric
Spark plug	Centre iw f 27



**ATTENTION:**  
In order to fit the cylinder kit it is necessary to modify the crankcase - and to fit also Malossi ignition VESpower or similar

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Malossi is proud to introduce to its public the total renewal of a real legend, one of the most long-lived and successful projects ever linked to our trade mark: the new and amazing cylinder for Vespa 125. This time **wholly aluminium made**.

The story of this cylinder kit starts in 1982 when, for the first time in a cast iron cylinder with this ring, an **oring** oring is used as seal gasket between head and cylinder: a refined solution representing so far the state of the art.

Malossi has taken a blank paper to redesign its project, drawing it up **new from the roots**, renewing and releasing a cylinder which rightfully joins the famous range of **MHR** cylinder kits.

**Aluminium** replaced cast iron and the reed valve seat has been totally redesigned, a real revolution able to fill the gaps of the original Vespa intake already since 1982 and now equipped with a centre support in order to grant a higher stability to the piston ring.

Displacement increases to **130 cc**, whereas the six ports are the result of the know-how and technology gained during decades of scooter races. Now, **for the first time in the history, they are fitted on a Vespa cylinder** which can reach very high horse powers and revolutions up to 11.000 rpm.

## TECHNICAL FEATURES

### ALUMINIUM CYLINDER

- Cylinders obtained by gravity die-casting in permanent steel moulds.
- Material: hardened and tempered high silicon content primary aluminium alloy.
- Machining: on numerically controlled high precision machine tools.
- Cylinder liner with silicon carbide metalspray coating on a galvanic nickel matrix, cross-honed with passes with diamonds for very tight tolerances.
- Recalculated and increased heat exchange surfaces.
- Exhaust and transfer ports designed and tested for maximum thermodynamic performance.
- Dimensional and surface finish quality control performed according to Malossi's internal specifications.
- Cylinder and piston selected for a fit of 0.005 mm.

Products to be used exclusively for racing in places specially designed for such activity according to the regulations of the competent sporting authorities. We accept no liability resulting from improper use.

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# Reed-valve carburettor kits for Malossi cylinder 3115829



Malossi philosophy concerning carburettor kits has always been to supply a "plug and play", complete and powerful kit. Therefore, the total new edition of the reed-valve blocks specific for this cylinder kit couldn't miss.

Thanks to a considerable number of studies and fluid dynamics simulations created using futuristic softwares, manifolds have been perfectly machined so as to obtain an almost straight system able to ensure the optimal passage from carburettor to intake, *while perfectly remaining inside the Vespa body.*

Carburettor kit **PHBL 25 BS**

**1616561 € 330.00**

VESPA ET3 Primavera 125 2T



Reed intake manifold kit to Malossi cylinder 3115829 for carburettor kits Ø 22-25

**2016547 € 185.00**

VESPA ET3 Primavera 125



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# Reed-valve carburettor kits for Malossi cylinder 3115829

Carburettor kit *VHST 28*

**1616309 € 399.00**

VESPA ET3 Primavera 125 2T



Reed intake manifold kit to Malossi cylinder 3115829 for carburettor kits Ø 28-30

**2016319 € 185.00**

VESPA ET3 Primavera 125



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