

# New

## Complete cylinders I-TECH 4 STROKE

## Piaggio / Vespa 125-150 4T



The new complete cylinders equipped with CDI!

**Force Master** is the innovative CDI which allows to change the injection in order to fit perfectly the new Malossi 4-stroke cylinder kit. This CDI has been scheduled with **different maps** so as to be coupled perfectly with your vehicle whatever its setting is!

### Complete cylinder I-TECH 4 STROKE

- Material: primary aluminium alloy with a high content of hardened and tempered silicon, cylinder liner with silicon carbide coating in a galvanic nickel die and crossed smoothing with two diamond passages with very limited tolerances.
- Machining: on machine tools with high precision numerical control.
- Cylinder-piston connection with an allowance of 0.05 mm.
- Recalculated and upgraded heat exchange surfaces.

### CDI Force Master

- Carburation adjusting
- $\pm 20\%$  at min/medium/max
- RPM limiter : + 1000 RPM  
(Only for Code 3116669)
- 4 different maps



New

Code = **3116550** € 530.45  
Code = **3116669**

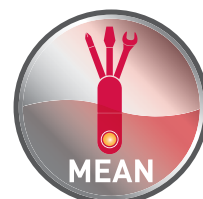
See applications pagg. 2-3

### Piston

- Ultra compact with 3 rings.
- Material: special aluminium alloy with high silicon content, low thermal expansion and a tin facing on the sliding surfaces.
- Machining on machine tools with numerical control.
- Lightened and reinforced.
- Upgraded heat exchange surfaces.

### Piston rings

- Special rings with high sliding ease and very high mechanical resistance.
- I° ring compression in nitrided and chromium steel.
- II° special cast iron ring.
- Three piece scraper ring made of chromiumplated special steel alloy.



# New

## Complete cylinders

## I-TECH 4 STROKE

## Piaggio / Vespa 125-150 4T



### Technical features

Cylinder + CDI	Bore Ø	Stroke mm	Displacement cc	Compression ratio	CDI	MAPS
3116550 € 530.45	63	58,6	182,67	1:11,15	5516549 € 255.84	0 - 125cc with kit Malossi ø63 + Original exhaust system 1 - 125cc with kit Malossi ø63 + Malossi exhaust system with db killer 2 - 150cc with kit Malossi ø63 + Original exhaust system 3 - 150cc with kit Malossi ø63 + Malossi exhaust system with db killer
3116669 € 530.45	63	58,6	182,67	1:11,15	5516670B € 255.84	0 - 125cc with kit Malossi ø63 + Original exhaust system 1 - 125cc with kit Malossi ø63 + Malossi exhaust system with db killer 2 - 150cc with kit Malossi ø63 + Original exhaust system 3 - 150cc with kit Malossi ø63 + Malossi exhaust system with db killer

### Table of applications

3116550		3116669	
<b>VESPA</b>	Sprint 3V 125 ie 4T euro 3 2014	<b>PIAGGIO</b>	NEW FLY 3V 125 ie 4T euro 3 2012>
	Sprint 3V 150 ie 4T euro 3 2014	<b>VESPA</b>	946 3V ABS 125 ie 4T (M801M)
			GTS 3V 125 ie 4T LC euro 3
			GTS 3V 150 ie 4T LC euro 3
			LT 3V 125 ie 4T euro 3
			LT 3V 150 ie 4T euro 3
			S 3V 125 ie 4T euro 3 2012



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## Table of applications



The models listed in the chart here below may have a different **THROTTLE BODY**, depending on the year of production/ country where they are sold. Thus, they need a special cylinder equipped with cdi. When placing your order, please check the following identification numbers: country, frame number and engine number. In case of countries which are not mentioned into below chart, you'll have to check the origin of the vehicle.

MODEL	COUNTRY	FRAME NUMBER	ENGINE NUMBER	Complete cylinders I-TECH 4 Stroke	
				Version with cdi integrated into the throttle body	Version without cdi integrated into the throttle body
<b>PIAGGIO</b>					
LIBERTY 3V 2013 - 2014 125	EUROPA	RP8M73400 - RP8M73401 < 01 - 2014	M737M - M739M	3116669	---
LIBERTY 3V 2013 - 2014 125	EUROPA	RP8M73400 - RP8M73401 > 01 - 2014	M737M - M739M	---	3116550
LIBERTY 3V 2013 - 2014 125	VIETNAM	RP8M73400 - RP8M73401 < 05 - 2013	M737M - M739M	3116669	---
LIBERTY 3V 2013 - 2014 125	VIETNAM	RP8M73400 - RP8M73401 > 05 - 2013	M737M - M739M	---	3116550
LIBERTY 3V 2013 - 2014 150	EUROPA	RP8M73500 - RP8M73501 < 01 - 2014	M738M - M73AM	3116669	---
LIBERTY 3V 2013 - 2014 150	EUROPA	RP8M73500 - RP8M73501 > 01 - 2014	M738M - M73AM	3116669	---
LIBERTY 3V 2013 - 2014 150	VIETNAM	RP8M73500 - RP8M73501 < 01 - 2014	M738M - M73AM	3116669	---
LIBERTY 3V 2013 - 2014 150	VIETNAM	RP8M73500 - RP8M73501 > 01 - 2014	M738M - M73AM	---	3116550
<b>VESPA</b>					
LX 3V 2012-2013 125	EUROPA	ZAPM68300 - ZAPM68303 < 06 - 2013	M687M - M68AM	3116669	---
LX 3V 2012-2013 125	EUROPA	ZAPM68300 - ZAPM68303 > 06 - 2013	M687M - M68AM	---	3116550
LX 3V 2013 125	TAIWAN	RP8M68300	M689M	3116669	---
LX 3V 2012-2013 125	VIETNAM	RP8M66500	M669M	3116669	---
LXV 3V 2013-2014 125	VIETNAM	RP8M66502 - RP8M66302	M669M - M689M	3116669	---
LX 3V 2012-2013 150	EUROPA	ZAPM68400 < 06 - 2013	M688M	3116669	---
LX 3V 2012-2013 150	EUROPA	ZAPM68400 > 06 - 2013	M688M	---	3116550
LX 3V 2012-2013 150	VIETNAM	RP8M66600	M66AM	3116669	---
LXV 3V 2013-2014 150	VIETNAM	RP8M66602	M66AM	3116669	---
PRIMAVERA 3V 125	EUROPA	ZAPM81100 - ZAPM81101	M811M	---	3116550
PRIMAVERA 3V 125	VIETNAM	RP8M2821 - RP8M82100	M100M - M821M	3116669	---
PRIMAVERA 3V 150	EUROPA	ZAPM81200 - ZAPM81201	M812M	---	3116550
PRIMAVERA 3V 150	USA	ZAPM818G	M812M	---	3116550
PRIMAVERA 3V 150	VIETNAM	RP8M82200 - RPM828F	M822M - M815M	3116669	---

Below pictures show the difference between the two throttle bodies.

Code = **3116669**

Version **with** cdi integrated into the throttle body



Code = **3116550**

Version **without** cdi integrated into the throttle body



Technical data Complete cylinders I-TECH 4 STROKE							
Models	Cylinder + CDI	Bore Ø	Stroke mm	Displacement cc	Compression ratio	CDI	
						MAPS	
APRILIA DERBI	3115325 € 576.80	67	47	166	12:1	5515327 € 255.84	0 - Original cylinder - Malossi exhaust system with db killer - Original filter - Original camshaft 1 - Malossi cylinder - Original exhaust system - Original filter - Original camshaft 2 - Malossi cylinder - Malossi exhaust system with db killer - Original filter - Original camshaft 3 - Malossi cylinder - Malossi exhaust system with db killer - Malossi filter - Original camshaft
APRILIA GILERA PIAGGIO	3116090 € 520.00	75,5	48,6	218	12,5:1	5516089 € 255.84	0 - Malossi cylinder - Original exhaust system - Original camshaft - Testa originale 1 - Malossi cylinder - Original exhaust system - Malossi camshaft - Testa originale 2 - Malossi cylinder - Original exhaust system - Malossi camshaft - Malossi head 3 - Malossi cylinder - Tuned exhaust system - Malossi camshaft - Malossi head
VESPA							0 - Malossi cylinder - Tuned exhaust system - Malossi camshaft - Malossi head
HONDA	3116038 € 525.00	67	47,2	166,4	11,4:1	5516012 € 255.84	0 - Original cylinder - Malossi exhaust system with db killer - Original camshaft 1 - Malossi cylinder - Original exhaust system - Original camshaft 2 - Malossi cylinder - Malossi exhaust system with db killer - Original camshaft 3 - Malossi cylinder - Malossi exhaust system without db killer - Original camshaft
MBK YAMAHA	3114443 € 530.45	63	58,6	182,58	10,6:1	5514234 € 232.86	1 - Malossi cylinder - Original exhaust system 2 - Malossi cylinder - Tuned exhaust system 3 - Malossi cylinder - Tuned exhaust system - Malossi camshaft 0 - Adjustment values zeroed out
MBK YAMAHA	3113792 € 510.00	58	57,9	152,9	12:1	5513705 € 339.00	1 - Original cylinder - Original exhaust system 2 - Malossi cylinder - Original exhaust system 3 - Malossi cylinder - Tuned exhaust system 4 - Adjustment values zeroed out
VESPA	3114621 € 509.85	70	48,6	187,6	11,5:1	5514620 € 232.86	0 - 125cc - Malossi cylinder - Original exhaust system - Original camshaft 1 - 125cc - Malossi cylinder - Original exhaust system with lambda emulator - Original camshaft 2 - 150cc - Malossi cylinder - Original exhaust system - Malossi camshaft 3 - 150cc - Malossi cylinder - Original exhaust system with lambda emulator - Original camshaft
PIAGGIO VESPA	3116550 € 530.45	63	58,6	182,67	11,15:1	5516549 € 255.84	0 - 125cc with kit Malossi 063 + Original exhaust system 1 - 125cc with kit Malossi 063 + Malossi exhaust system with db killer 2 - 150cc with kit Malossi 063 + Original exhaust system 3 - 150cc with kit Malossi 063 + Malossi exhaust system with db killer
PIAGGIO VESPA	3116669 € 530.45	63	58,6	182,67	11,15:1	5516670B € 255.84	0 - 125cc with kit Malossi 063 + Original exhaust system 1 - 125cc with kit Malossi 063 + Malossi exhaust system with db killer 2 - 150cc with kit Malossi 063 + Original exhaust system 3 - 150cc with kit Malossi 063 + Malossi exhaust system with db killer
YAMAHA	3113864 € 470.00	44	43,6	66,30	12:1	5513863 € 232.86	1 - Malossi cylinder - Original exhaust system 2 - Malossi cylinder - Scarico Modificato 3 - CDI excluded
YAMAHA	3114349 € 530.45 3116732 € 540.00	63	58,6	182,58	10,6:1	5514233 € 232.86 5516731B € 255.84	1 - Malossi cylinder - Original exhaust system 2 - Malossi cylinder - Tuned exhaust system - Malossi filter 3 - Malossi cylinder - Tuned exhaust system - Malossi filter - Malossi camshaft 0 - Adjustment values zeroed out
YAMAHA	3114268 € 556.20	74	66,8	287,29	11:1	5514235 € 232.86	1 - Malossi cylinder - Original exhaust system 2 - Malossi cylinder - Tuned exhaust system 3 - Malossi cylinder - Tuned exhaust system - Malossi camshaft 0 - Adjustment values zeroed out
YAMAHA	3114945 € 530.45	63	58,7	183	10,6:1	5515741 € 255.84	0 - Original cylinder - Malossi exhaust system with db killer - Original camshaft 1 - Malossi cylinder - Original exhaust system - Original camshaft 2 - Malossi cylinder - Malossi exhaust system with db killer - Original camshaft 3 - Malossi cylinder - Malossi exhaust system with db killer - Original camshaft
YAMAHA	3115707 € 530.45	63	58,7	183	10,6:1	5515708 € 255.84	0 - Original cylinder - Malossi exhaust system with db killer - Original camshaft 1 - Malossi cylinder - Original exhaust system - Original camshaft 2 - Malossi cylinder - Malossi exhaust system with db killer - Original camshaft 3 - Malossi cylinder - Malossi exhaust system with db killer - Malossi camshaft

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