



L4 TAG



Manufacturer	MOTORI SEVEN DI BENEDETTI OSCAR
Make	MOTORI SEVEN
Model	L4 TAG
Inlet type	REED VALVE
Number of pages	11

PHOTO OF ENGINE



DRIVE SIDE OF ENGINE

OPPOSITE SIDE OF ENGINE

Official Signature and Stamp

MOTORI SEVEN
di BENEDETTI OSCAR
Via Perticara, 130
47023 CESENA - FC
Part. IVA 03110700403



L4 TAG

TECHNICAL INFORMATION

A	CHARACTERISTICS	
Volume of cylinder	Measurement	Tolerances
124.58 cm ³	125 cm ³	
Original bore	54.00 mm	
Theoretical maximum bore	54.08 mm	
Stroke	54.40 mm	
Cooling system	Water cooled	
Number of carburation system	1	
Number of transfer ports / ducts, cylinder / sump	5	
Number of exhaust ports / ducts	3	
Shape of the combustion chamber	Spherical – with squish	
Length between axes of the connecting rod	110mm	±0,1mm
Minimum weight of connecting	122g	±10g
Volume of combustion chamber	9,5 cc	Minimum

B	MATERIAL
Cylinder	Alluminium AL-SI
Connecting rod	Steel Ni cr mo
Crankshaft	Steel Ni cr mo
Head	Alluminium AL-SI
Crankcase	Alluminium AL-SI

C	OPENING ANGLES
Exhaust	Max 182°



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DRAWING OF THE CYLINDER DEVELOPMENT

Chord reading $\pm 0,3\text{mm}$

B = 52.8 mm

C1 = 21.7 mm

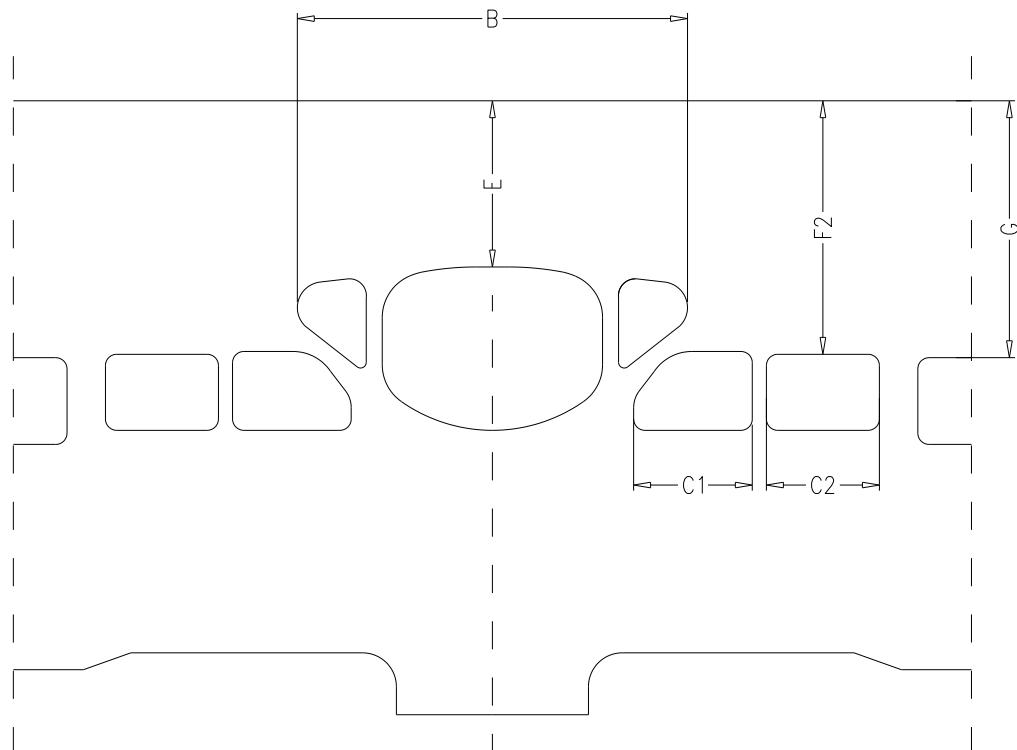
C2 = 21.7 mm

Angular reading by inserting a 0.2mm gauge

E = 33.2 mm MAX

F = 44.3 mm MAX

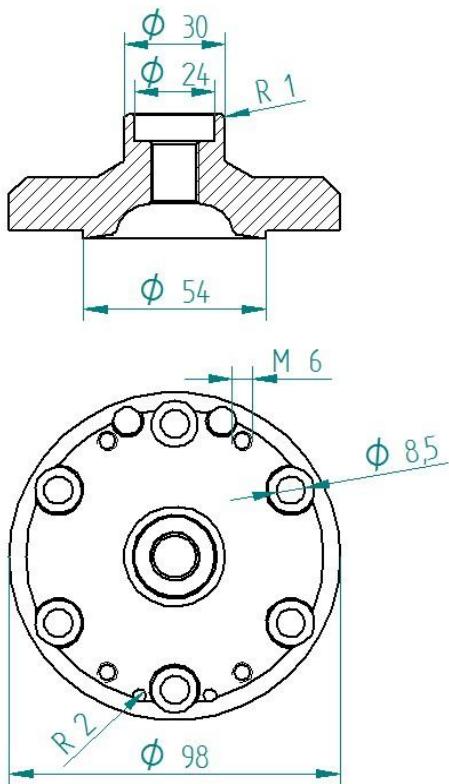
G = 44.3 mm MAX





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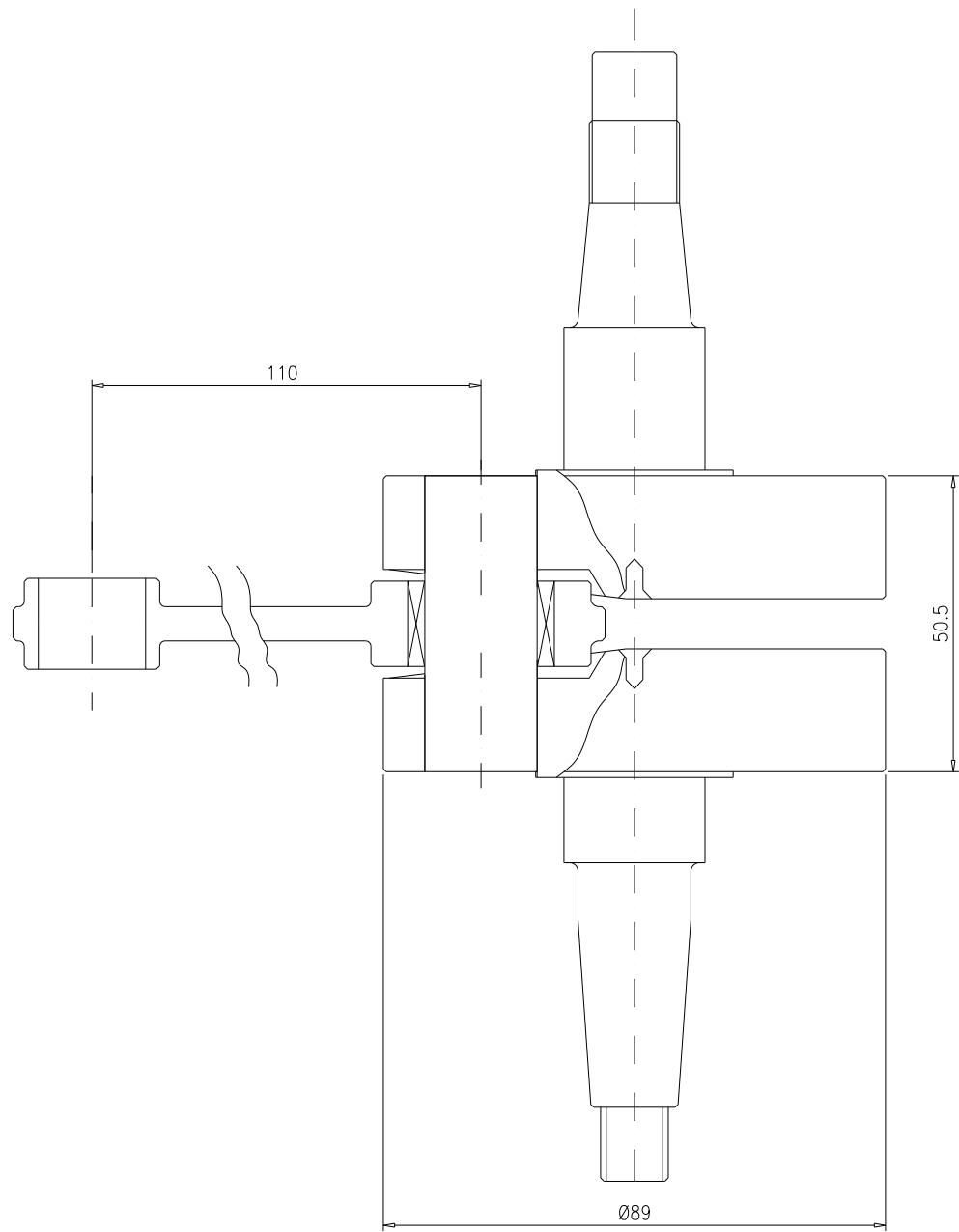
DRAWING OG THE CYLINDER HEAD AND THE COMBUSTION CHAMBER ($\pm 0,3\text{mm}$)





L4 TAG

DRAWING OF THE CRANKSHAFT



Complete weight = 2430g. \pm 100g.



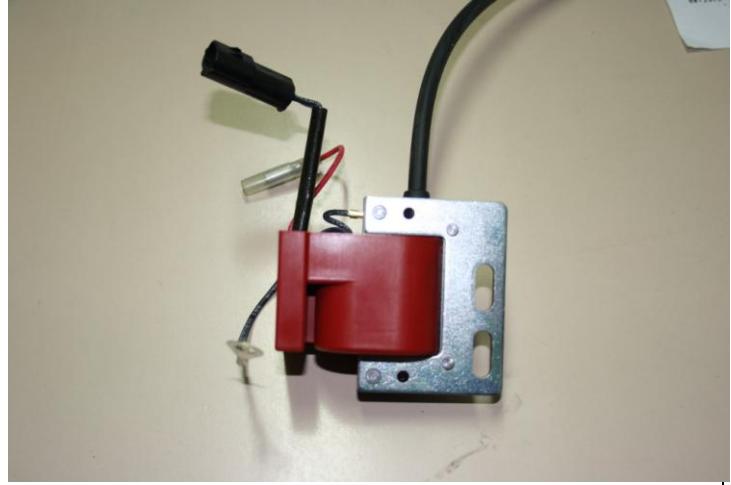
L4 TAG

IGNITION

Manufacture : PVL

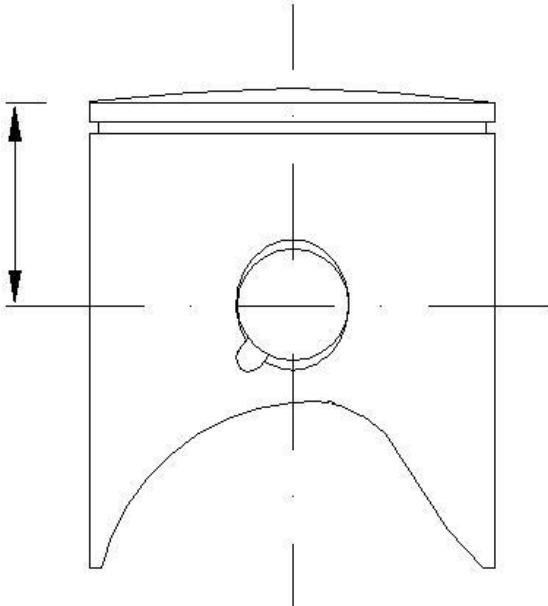
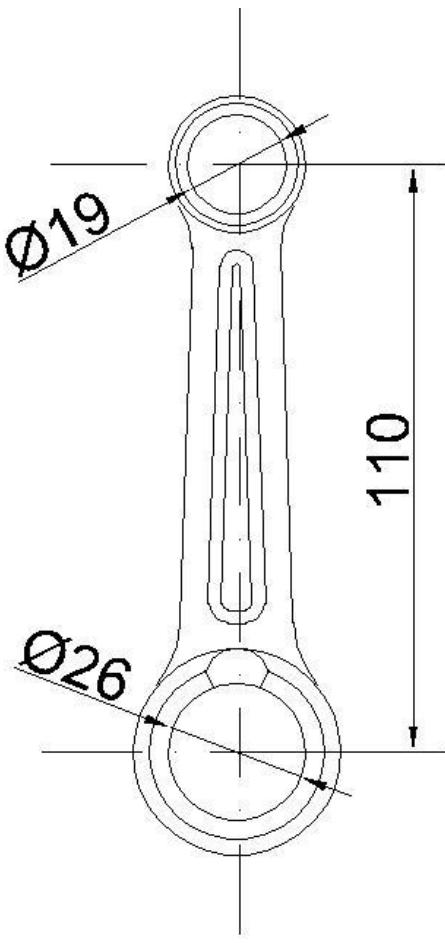
ROTOR: 950 STATOR: 1011

IGNITION: 105 458 / 500 178 / 500 118





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PISTON	CONNECTING ROD
 <p>27</p> <p>Weight= 120 g ± 10 g</p>	 <p>Ø19</p> <p>110</p> <p>Ø26</p> <p>Weight= 124 g ± 10 g</p>



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PHOTO OF THE BASE OF THE CYLINDER

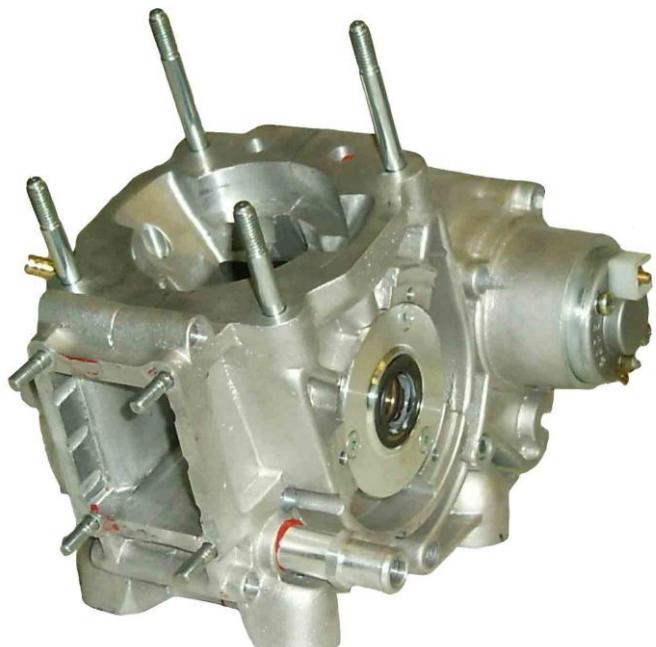


PHOTO OF COMBUSTION CHAMBER



PHOTO OF THE SUMP (GASKETS FACE)

PHOTO OF THE INTERNAL PART OF THE SUMP





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PHOTO OF THE BACK OF THE ENGINE



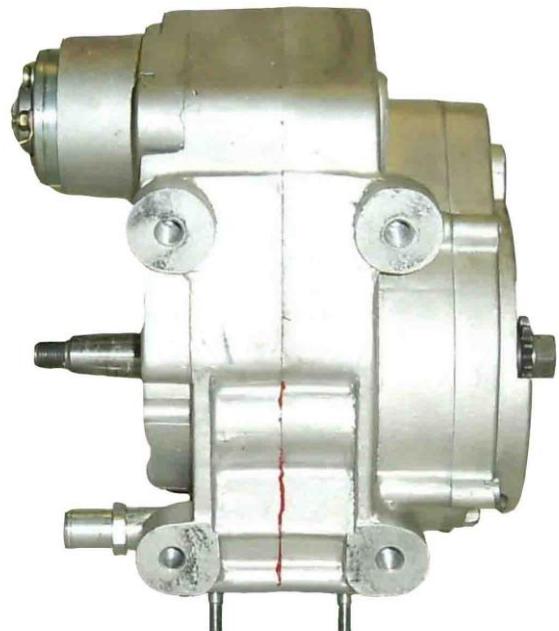
PHOTO OF THE FRONT OF ENGINE



PHOTO OF THE ENGINE TAKEN FROM ABOVE



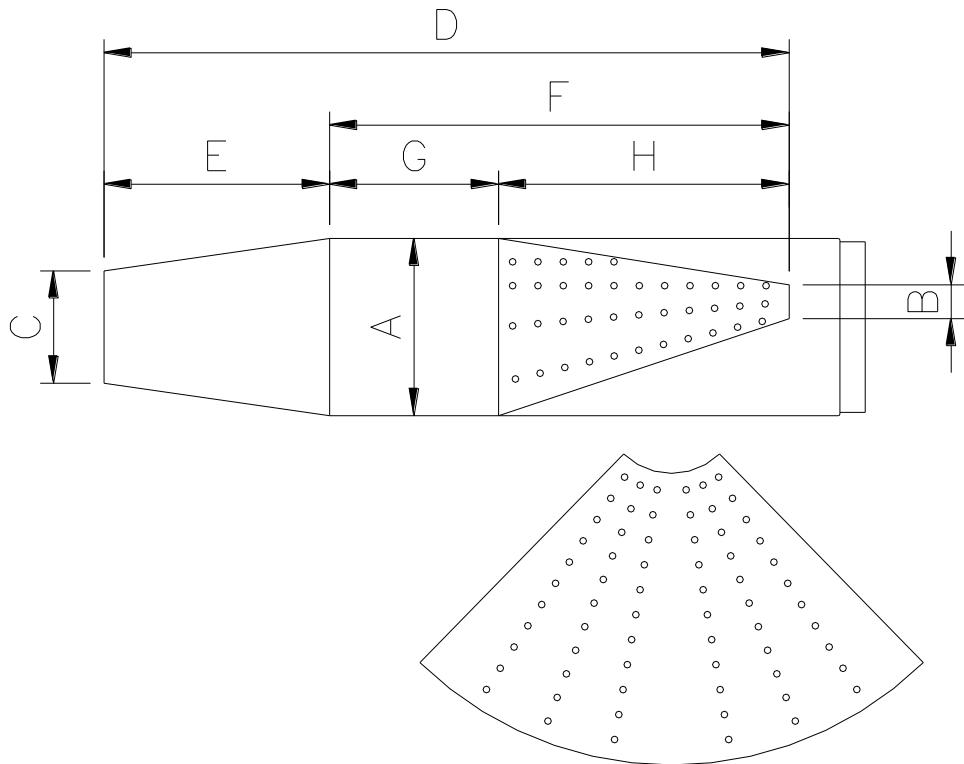
PHOTO OF THE ENGINE TAKEN FROM BELOW





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DRAWING OF THE SILENCER AND IT'S COMPONENTS



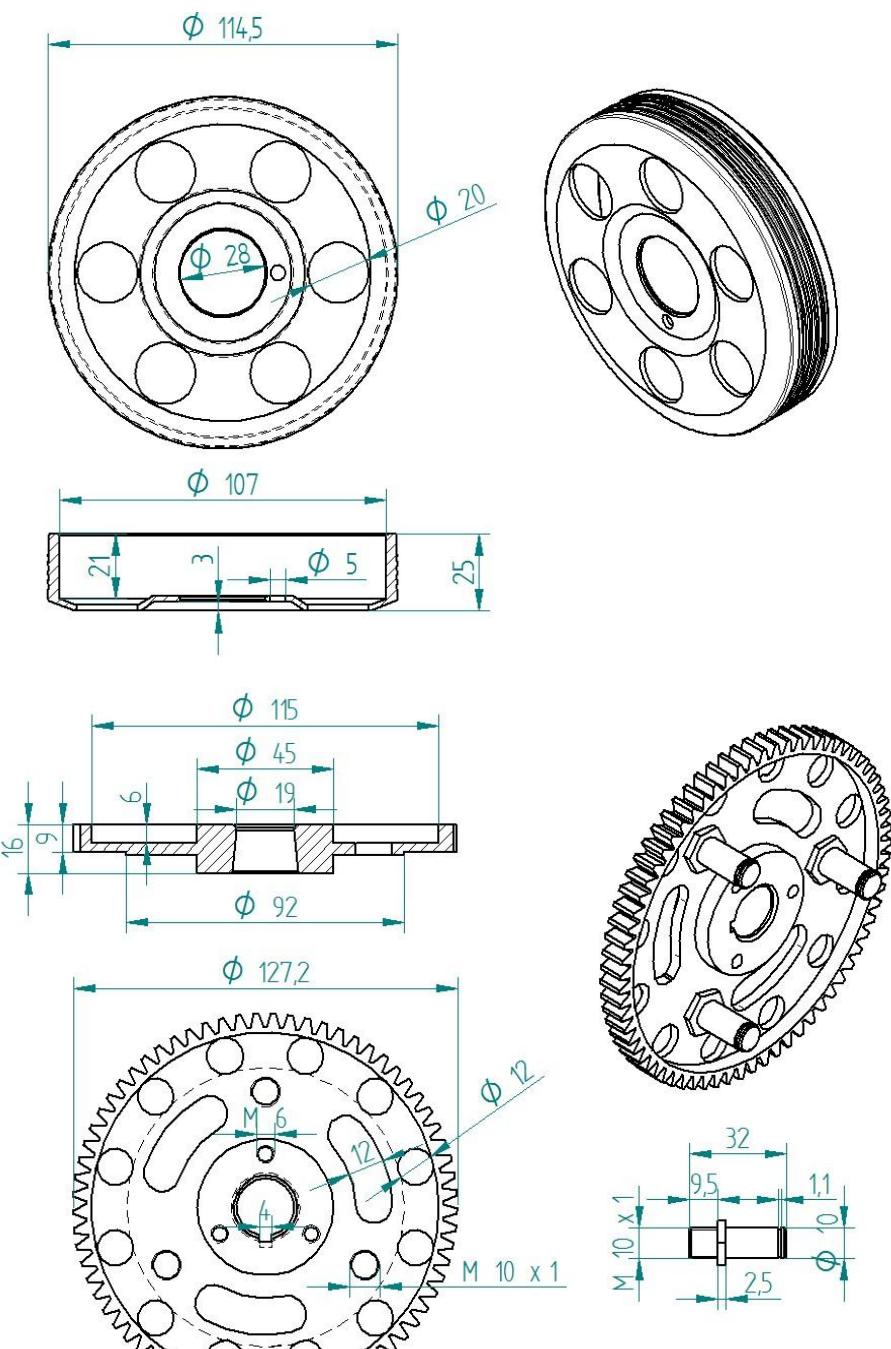
MEASUREMENTS: mm - tolerances $\pm 1\text{mm}$

A: 115
B: 20
C: 66.5
D: 405.5
E: 133.5
F: 272
G: 100
H: 172



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DRAWING OF THE CLUTCH





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DRAWING OF THE CLUCTH 2013

