



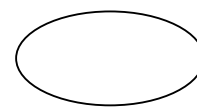
M.R.C. Snc di Merlin Umberto & C
Via Piemonte 2
20070 Vizzolo Predabissi (MI)
ITALY

Constructeur	Manufacturer	M.R.C. Snc
Marque	Make	ATK
Modèle	Model	TAG L01
Type d'admission	Inlet type	REED VALVE
Nombre de pages	Number of pages	7



DESSIN DU MOTEUR
DRAWING OF ENGINE

Signature et tampon de
Signature and stamp of the



INFORMATIONS TECHNIQUES		TECHNICAL INFORMATON	
A	CARACTERISTIQUES	A	CHARACTERISTICS
		Measurement	Tolerances
Volume du cylindre	Volume of cylinder	124.58 cm³	125 cm³
Alésage d'origine	Original bore	54.mm	
Alésage théorique max	Theoretical maximum bore	54.08	
Course	Stroke	54.40	
Systeme de refroidissement	Cooling system	Water cooled	
Nombre de systèmes de carburation	Number of carburation systems	1	
Nombre de canaux de transfert, cylindre/carter	Number of transfer ducts, cylinder / sump	5	
Nombre de lumières / canaux d'échappement	Number of exhaust ports / ducts	3	
Forme de la chambre de combustion	Shape of the combustion chamber	Spherical – with squish	
Longueur(entre-axe) de la bielle	Length between axes of the connecting rod	110	± 0.1 mm
Poids de la bielle	Weight of connecting rod	130 gr	± 10 gr
Volume de la chambre de combustion	Volume of combustion chamber	9 cc	
Type de roulement	Type of bearings	6205 C4	

B	ANGLE D'OUVERTURE	B	OPENING ANGLES
	De l'échappement	Exhaust	175 maximun
C	ACCESSOIRES INCLUS	C	ACCESSORIES INCLUDED
	<i>Carbuateur Dell'Orto Ø 30</i>		<i>Carburetor Dell'Orto Ø 30</i>
	<i>Démarrreur électric</i>		<i>Electric starter</i>
	<i>Batterie</i>		<i>Battery</i>
	<i>Embrayage centrifuge</i>		<i>Centrifugal clutch</i>
	<i>Limiteur electo. 16000 t'</i>		<i>Electron. system 16000 t'</i>

D	MATEIAU	D	MATERIAL
	Cylindre ALUMINIUM		Cylinder ALUMUNIUM AL - SI
	Bielle ACIER		Conrod STEEL NI CT MO
	Vilebrequin ACIER		Crankshaft STEEL NI CR MO
	Calasse ALUMINIUM		Head ALUMUNIUM AL - SI
	Chemise ALUMINIUM + NICASIL		Liner ALUMUNIUM+ NICASIL
	Carter ALUMINIUM		Crankcase ALUMUNIUM AL - SI
	Piston ALUMINIUM		Piston ALUMUNIUM AL - SI
	Segments ACIER		Piston Ring STEEL



**DESSIN DU DEVELOPPEMENT DU
CYLINDRE**

**DRAWING OF THE CYLINDER
DEVELOPMENT**

Lecture cordale
Chord reading

B

52.8 ± 0.2

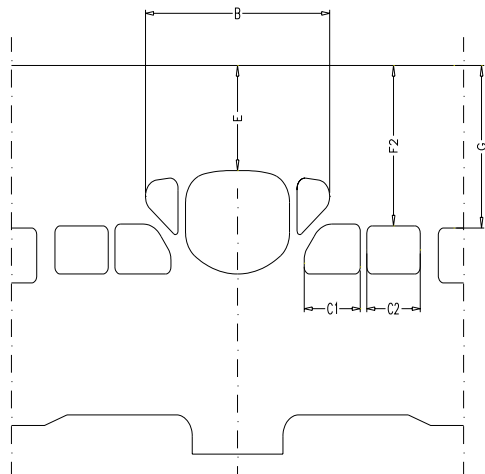
C1=C2

21.8 ± 0.2

Lecture angulaire par insertion d'une cale de 0,2mm
Angular reading by inserting a 0,2mm

E

175° maximum

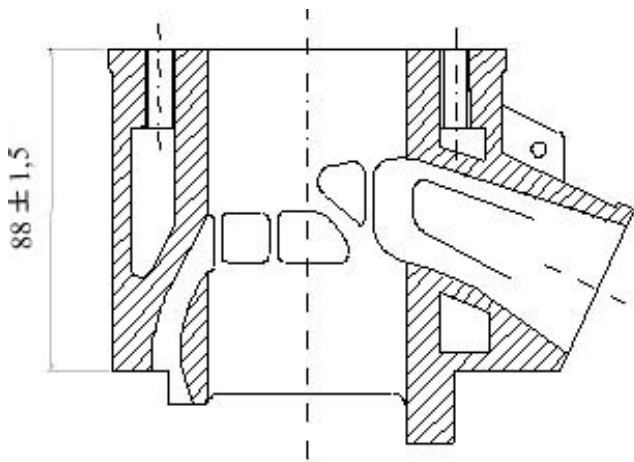
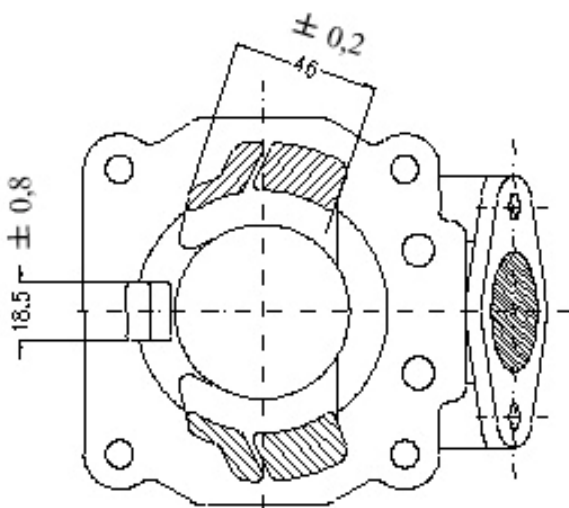


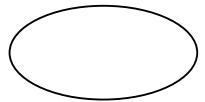
**DESSIN DU PIED DU
CYLINDRE**

**DRAWING OF THE
CYLINDER BASE**

**VUE EN SECTION DU
CYLINDRE**

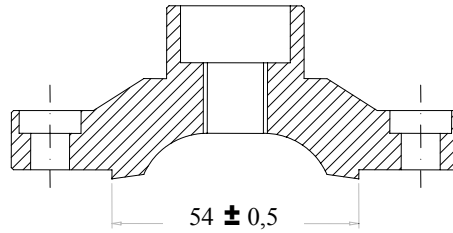
**CYLINDER SECTION
VIEW**





DESSIN DE LA CULASSE ET DE LA CHAMBRE DE COMBUSTION

DRAWING OF THE CYLINDER HEAD AND THE COMBUSTION CHAMBER



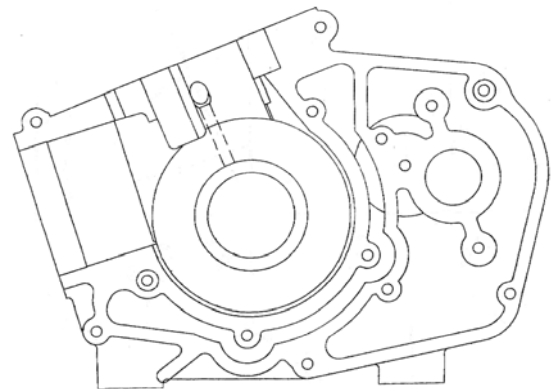
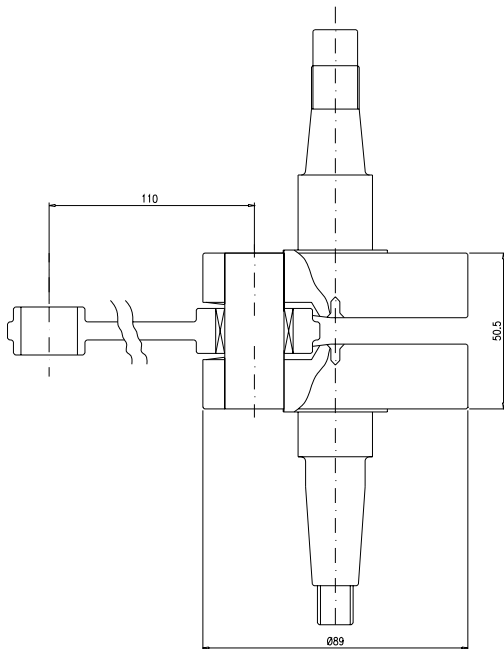
Volume chambre combustion = 9 cc min
Combustion chamber volume = 9 cc. min

DESSIN DU VILEBREQUIN

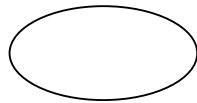
DRAWING OF THE CRANKSHAFT

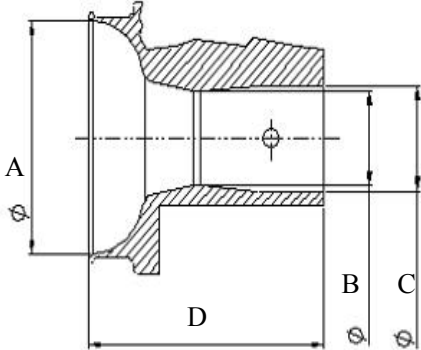
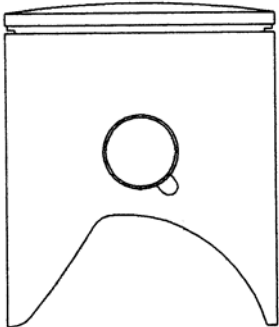
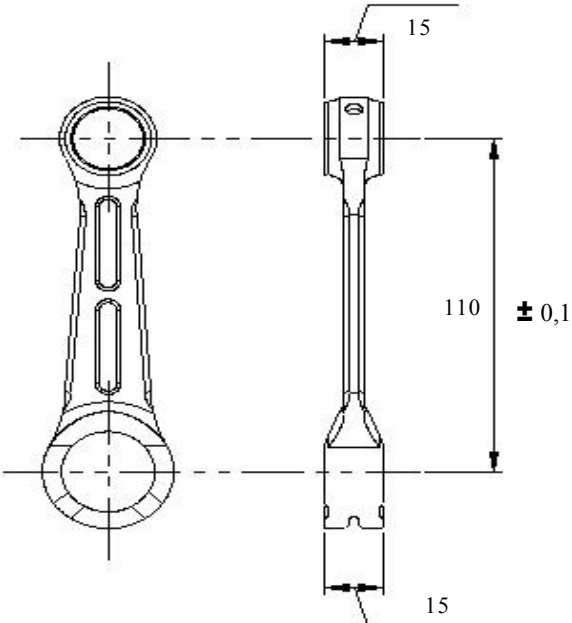
DESSIN INTERIEUR DU CARTER

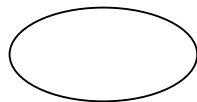
DRAWING OF THE INSIDE OF SUMP



Poids complet/ Complete weight = Kg 2,2230
Tolerance = ± gr 100

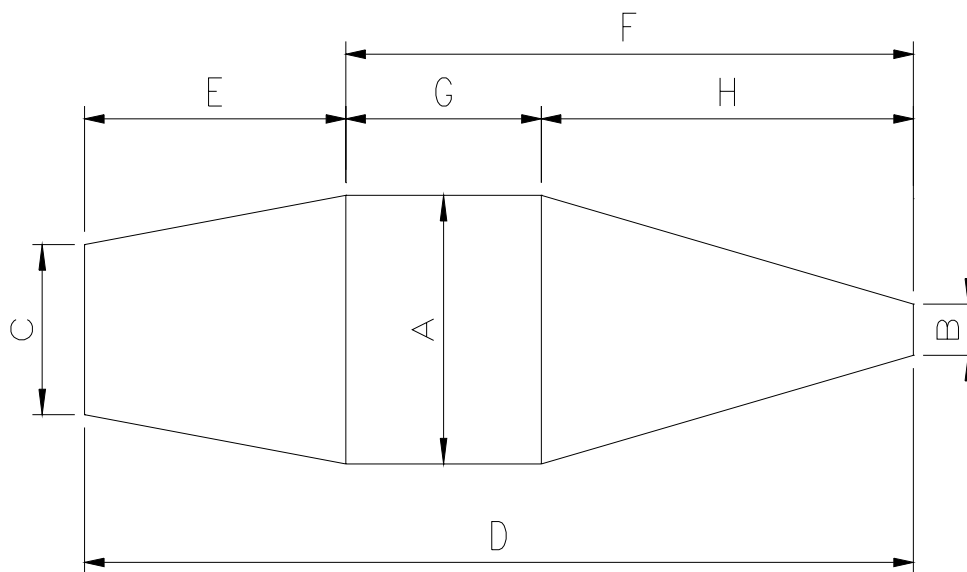


DIMENSION DU CARBURATEUR		CARBURATOR DIMENSION	
Tolerance = ± 0.20 A = 58,5 B=30 C=30 D=88.5			
			
DELL'ORTO			
PISTON	PISTON	ENTRE AXE DE LA BIELLE	DISTANCE BETWEEN CONROD CENTERS
			
Poids/Weight= 116 gr	Tolerance= ± 5 gr	<u>Poids/Weight= 130 gr</u>	Tolerance= ± 10 gr



DESSIN DU SILENCIEUX ET DES SES ELEMENTS

DRAWING OF THE SILENCER AND IT'S COMPONENTS



Les parties terminales du silencieux doivent présenter deux paires d'anneaux soudés (une en haut et une en bas), pour retenir le sceau en plomb fixé par l'Organisateur pour que le silencieux ne puisse pas être ouvert pendant la compétition.

The end parts of the silencer must have two soldered pairs of lugs (one pair at the top and one pair at the bottom) to allow for fixing of seals by the Organizer so that the silencer may be opened during the competition

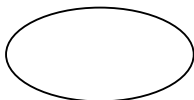
Cotes / Readings:

- A: 115
- B: 20
- C: 66.5
- D: 424
- E: 133.5
- F: 290.3
- G: 100
- H: 190.3

TOLERANCES

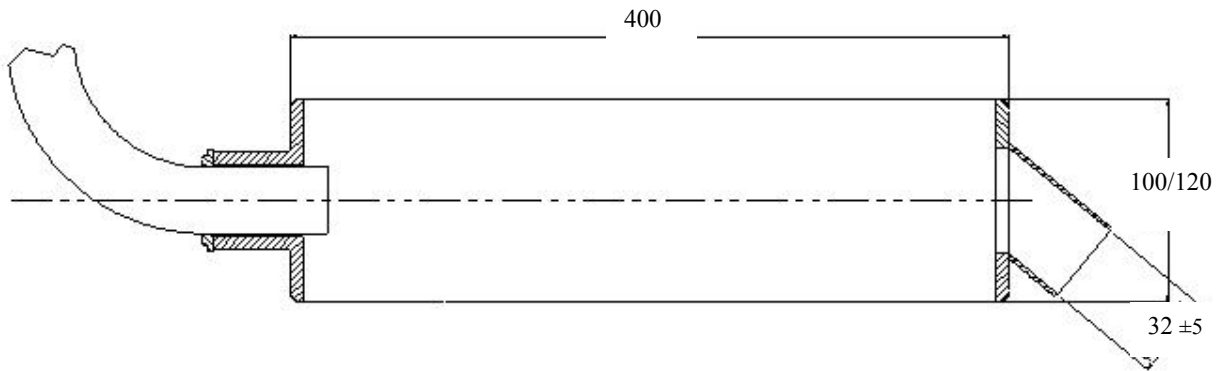
Cotes brutes / Rough dimensions

- Jusque – Up to 25mm \pm 1mm
- De à – From to 26-60mm \pm 1.5mm
- Plus que – More than 60mm \pm 3mm



DESSIN DU SILENCIUX

DRAWING OF THE SILENCER



DESSIN DU EMBRAYAGE

DRAWING OF THE CLUTCH

Poids
Weight
Tolerance
Poids / Weight A = 127 B = 105.5 C = 114

