



Constructeur	Manufacturer	M.R.C. Snc
Marque	Make	ATK
Modèle	Model	TAG L01
Type of 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 INFORMATION	
A	CARACTERISTIQUES	A	CHARACTERISTICS
		Measurement	Tolerances
Volume du cylindre	Volume of cylinder	124.58 cm ³	125 cm ³
Alésage d'origine	Original bore	54.00	
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
Carbureteur Dell'Orto Ø 30		Carburetor Dell'Orto Ø 30	
Démarrreur électrique		Electric starter	
Batterie		Battery	
Embrayage centrifuge		Centrifugal clutch	
Limiteur électro. 16000 t'		Electron. system 16000 t'	

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

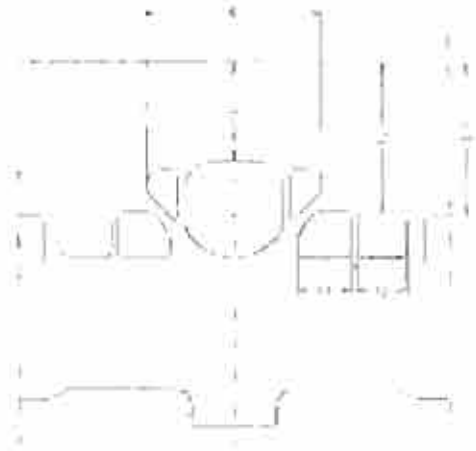
21.8 ± 0.2

Lecture angulaire par insertion d'une cale de 0,2mm

Angular reading by inserting a 0,2mm

E

175° maximum

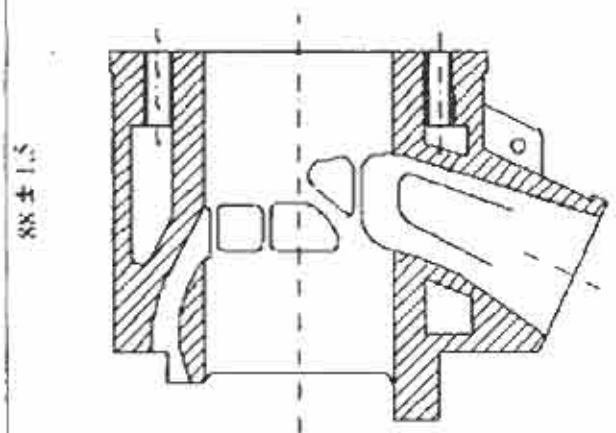
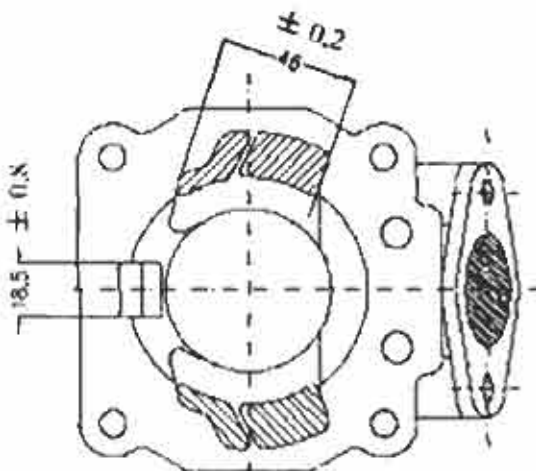


DESSIN DU PIED DU CYLINDRE

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



34 ± 0.5

Volume chambre combustion = 9 cc min

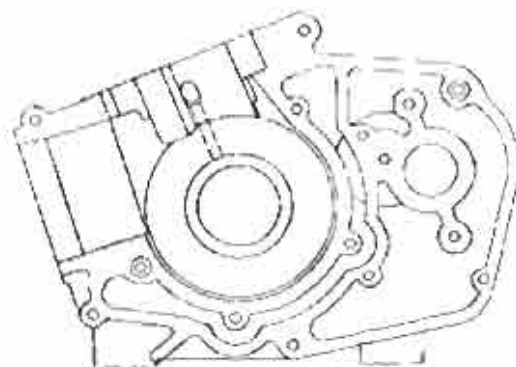
Combustion chamber volume = 9 cc min

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

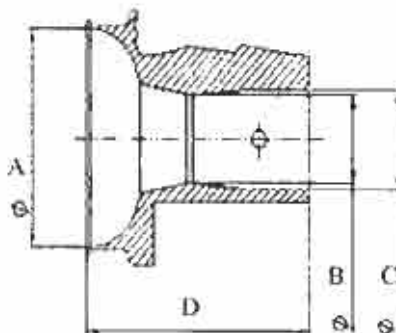


DIMENSION DU CARBURATEUR

CARBURATOR DIMENSION

Tolerance = ± 0.20

A = 58.5 B=30 C=30 D=88.5



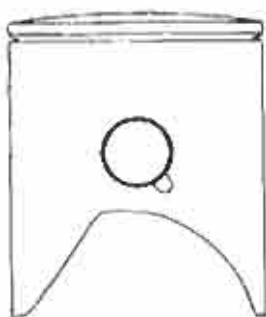
DELL'ORTO

PISTON

PISTON

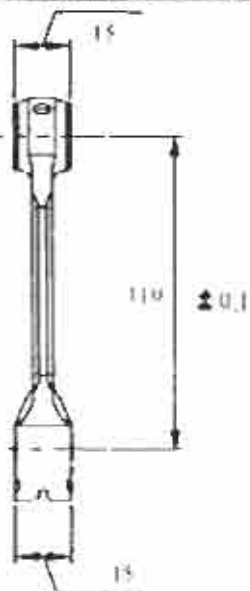
ENTRE AXE DE LA BIELLE

DISTANCE BETWEEN CONROD CENTERS



Poids/Weight= 116 gr

Tolerance= ± 5 gr



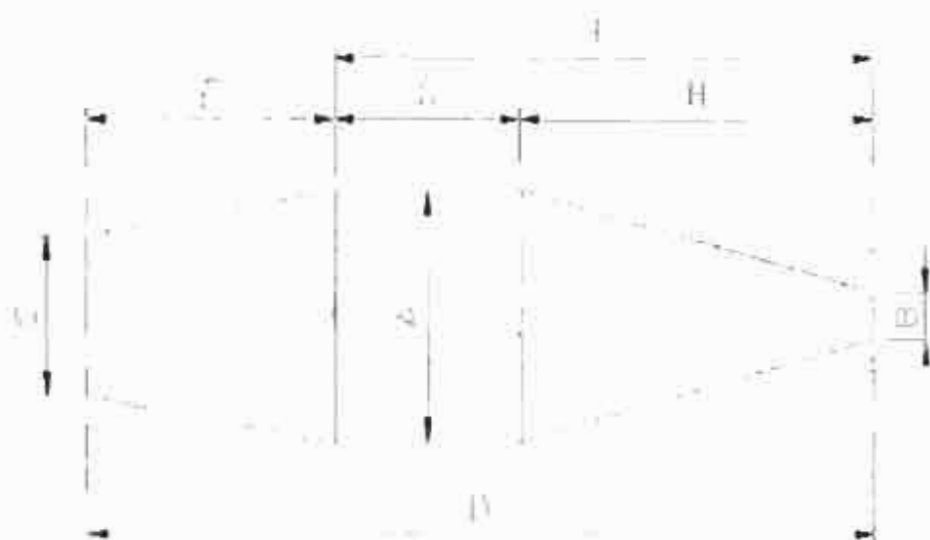
Poids/Weight= 130 gr

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 42.4
- E 133.5
- F 290.3
- G 100
- H 190.3

TOI ERANCES

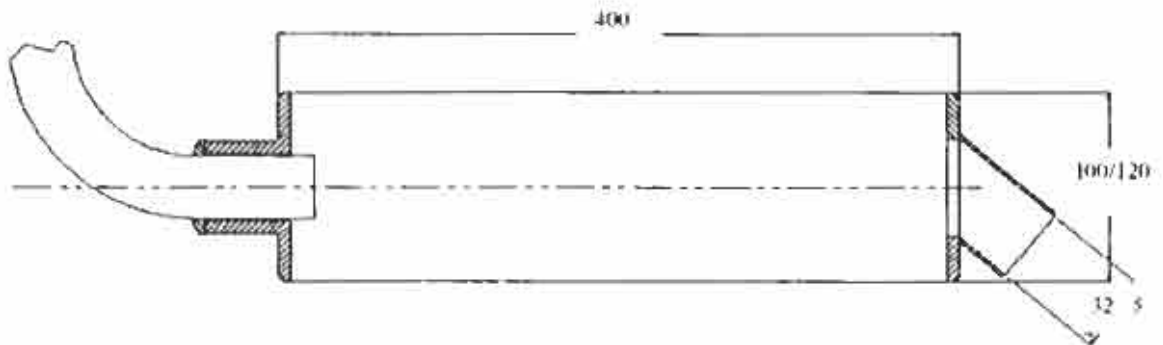
Cotes brutes / Rough dimensions

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



DESSIN DU SILENCIUX

DRAWING OF THE SILENCER

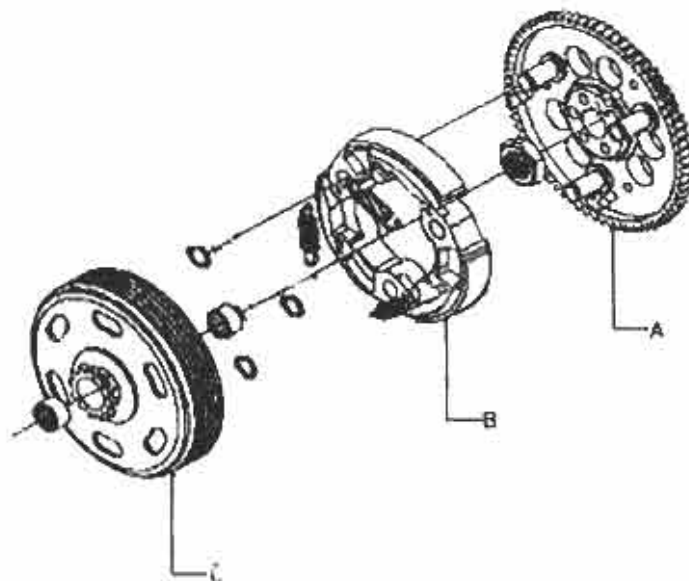


DESSIN DU EMBRAYAGE

DRAWING OF THE CLUTCH

Poids
Weight
Tolerance

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





SCHEMA ELECTRIQUE BATTERIE

BATTERY'S ELECTRICAL SCHEME

