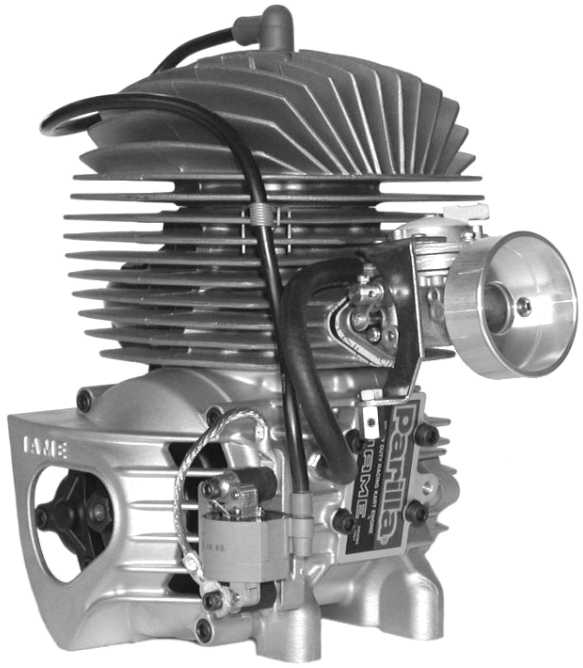
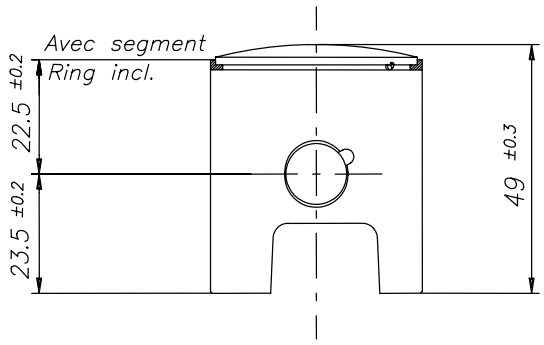
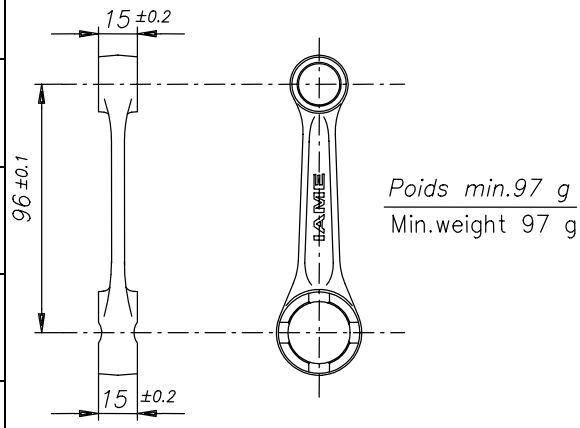
Parilla GAZELLE 60cc TaG - FREE

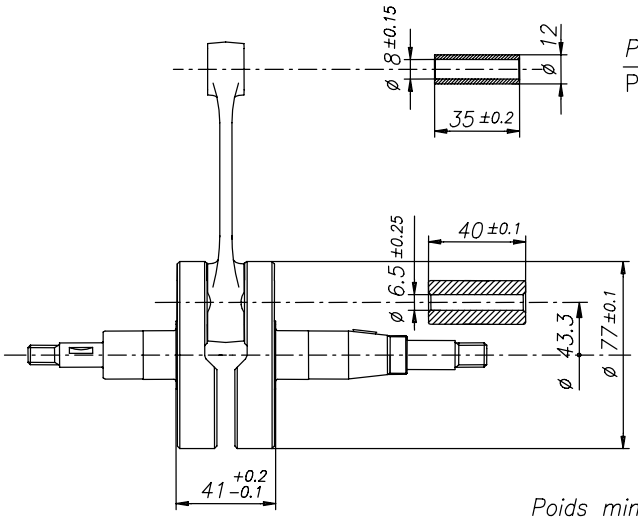


FEATURES - *CARACTERISTIQUES*	
Cylinder volume *Volume du cylindre*	59.42 cm³
Bore *Alésage*	41.80 mm
Max. theoretical bore *Alésage théorique max.*	42 mm
Stroke *Course*	43.30 mm
Cooling system *Système de refroidissement*	Air
Inlet system *Système d' admission*	Piston valve *Jupe de piston*
Number of carbs *Nombre de carburateurs*	1

Tillotson HL Carb. *Carburateur Tillotson HL*	334 B	Cylinder/crankcase transfers n° *N° de canaux cylindre/carter*	2
Number of piston rings *Nombre de segments*	1	Inlet/exhaust ports number *N° lumières admiss./échapp.*	1 / 2
Big end conr. ball-bearing diam. *Diamètre palier tête de bielle*	18x24x15	Combustion chamber shape *Forme chambre de combustion*	Spherical *Spherique*
Crankshaft ball-bearing diam. *Diamètre palier du vilebrequin*	20x47x14	Selettra ignition *Allumage Selettra*	4 poles *4 pôles*
Small end conr. ball-bearing diam. *Diamètre palier pied de bielle*	12x16x16	Distance between Conrod centers *Longueur (entre axe) de la bielle*	96 mm

DESCRIPTION OF THE MATERIAL *DESCRIPTION DES MATERIAUX*		PISTON
Conrod material *Matériel de la bielle*	Steel *Acier*	
Crankshaft material *Matériel du vilebrequin*	Steel *Acier*	
Head material *Matériel de la culasse*	Aluminium	
Cylinder material *Matériel du cylindre*	Aluminium	
Liner material *Matériel de la chemise*	Iron *Fonte*	DISTANCE BETWEEN CONROD CENTERS *ENTRE AXE DE LA BIELLE*
Crankcase material *Matériel du carter*	Aluminium	
Piston material *Matériel du piston*	Aluminium	
Piston rings material *Matériel des segments*	Iron *Fonte*	
Exhaust muffler material *Matériel du pot d' échappement*	Sheet-steel *Tôle acier*	
Ball-bearings *Roulements*	6204 type	

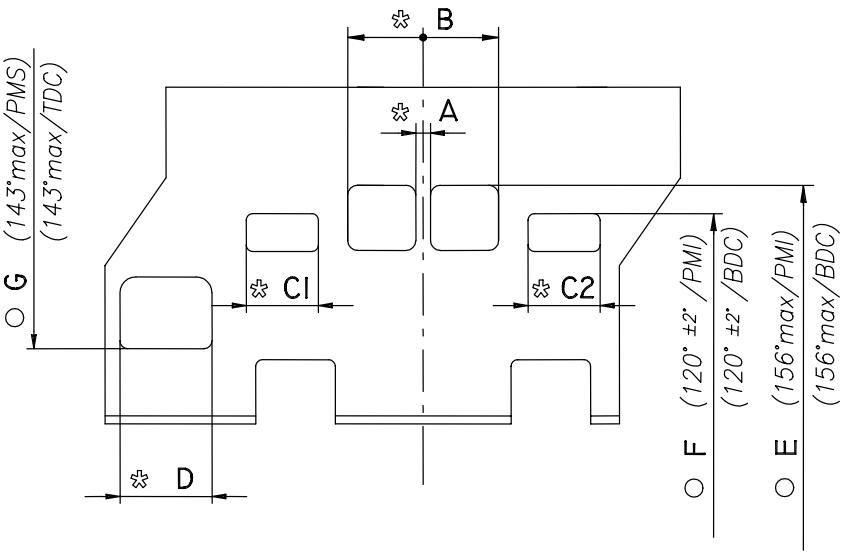
CRANKSHAFT - *VILEBREQUIN*



Poids min. de l'axe de piston 15.5 g
Piston pin min. weight 15.5 g

Poids min. du vilebrequin complet 1280 g
Complete crankshaft min. weight 1280 g

CYLINDER DEVELOPMENT - *DEVELOPPEMENT DU CYLINDRE*

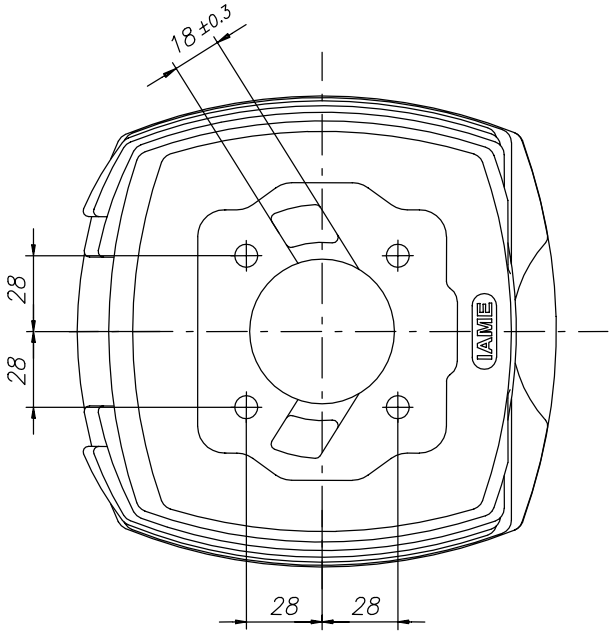


A	≥ 3.8 mm
B	≤ 34.5 mm
C1 = C2	≤ 18.5 mm
D	≤ 25.5 mm
E	156° max
F	120° ± 2°
G	143° max

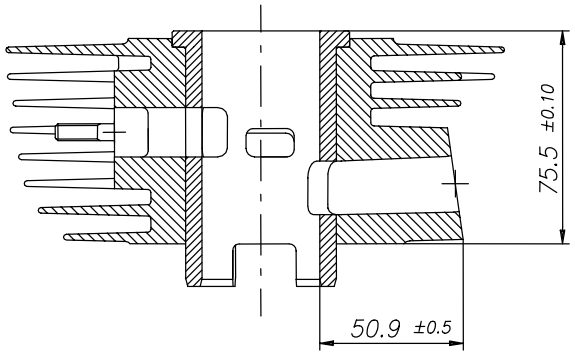
✲ *LECTURE CORDALE* / CHORDAL READING

○ *LECTURE ANGULAIRE PAR INSERTION D'UNE CALE DE 0.2 mm* / ANGULAR READING BY INSERTING A 0.2 mm GAUGE

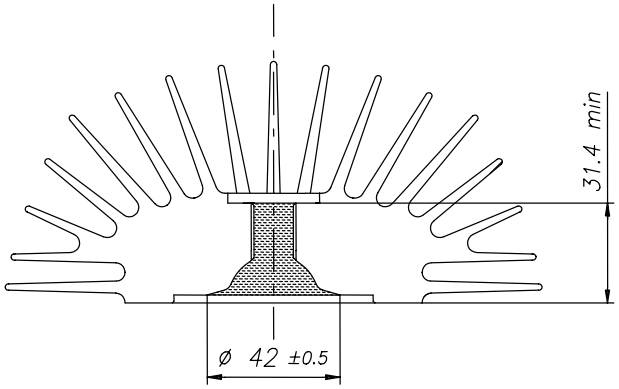
CYLINDER BASE VIEW / *VUE DE LA BASE DU CYLINDRE*



CYLINDER CROSS SECTION VIEW / *VUE EN SECTION DU CYLINDRE*



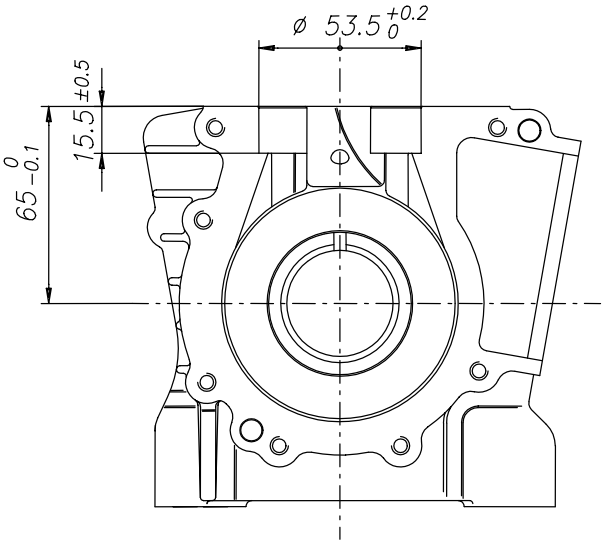
COMBUSTION CHAMBER VIEW
VUE DE LA CHAMBRE DE COMPRESSION



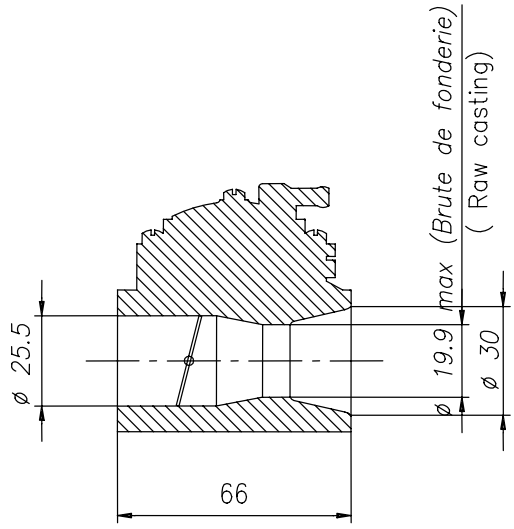
VOLUME CHAMBRE COMBUSTION = 7.7 cm3 min.

COMBUSTION CHAMBER VOLUME = 7.7 cm3 min.

CRANKCASE INSIDE VIEW
VUE A' L' INTERIEUR DU CARTER



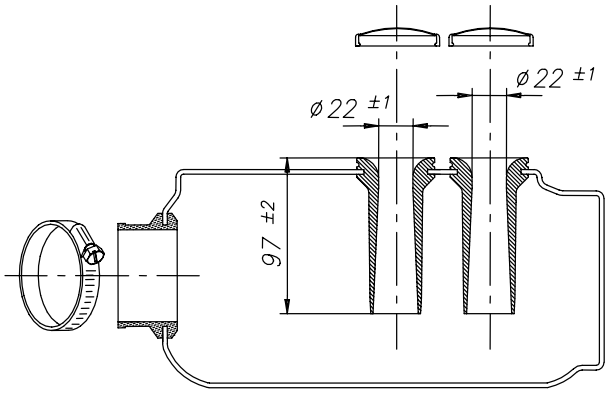
VENTURI CARB. DIMENSIONS
DIMENSIONS DU VENTURI DU CARBURATEUR



TILLOTSON mod. HL–334 B exclusivement

TILLOTSON mod. HL–334 B only

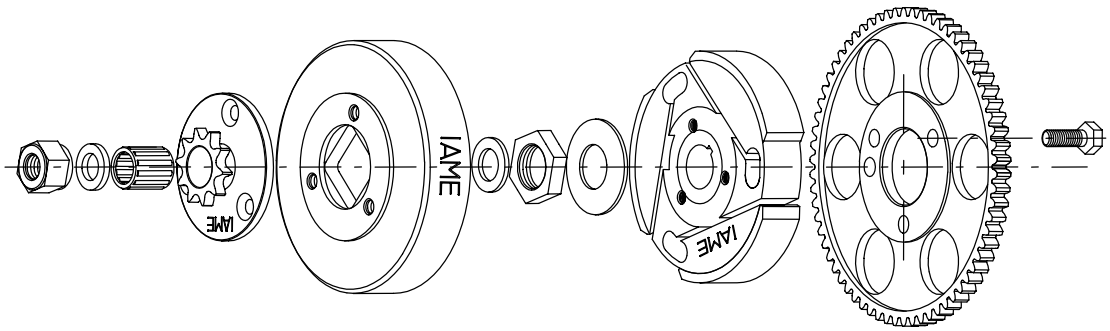
INLET SILENCER
SILENCIEUX D' ASPIRATION

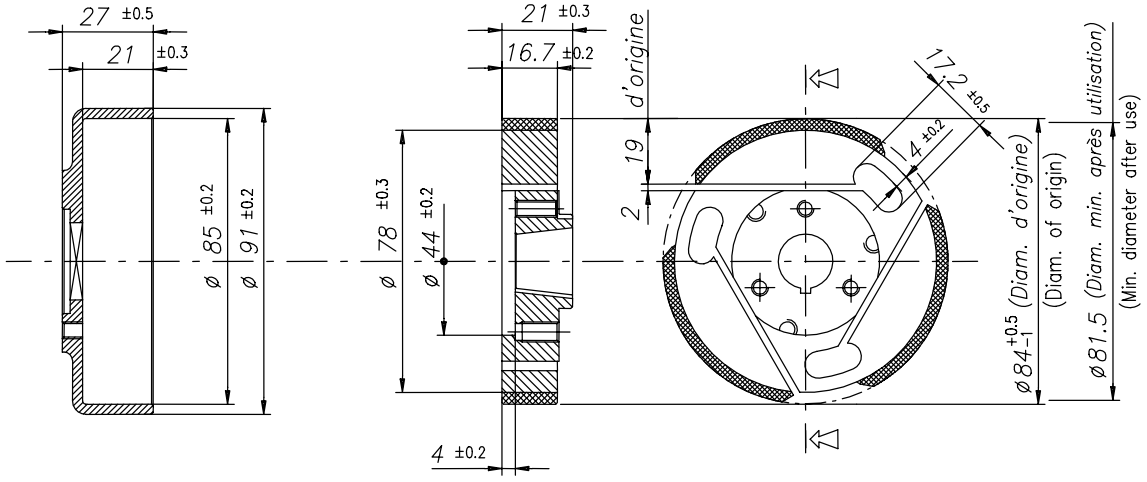


FREE LINE mod. AL–22–PS exclusivement

FREE LINE mod. AL–22–PS only

DESCRIPTION OF THE CLUTCH - *DESCRIPTION DE L' EMBRAYAGE*

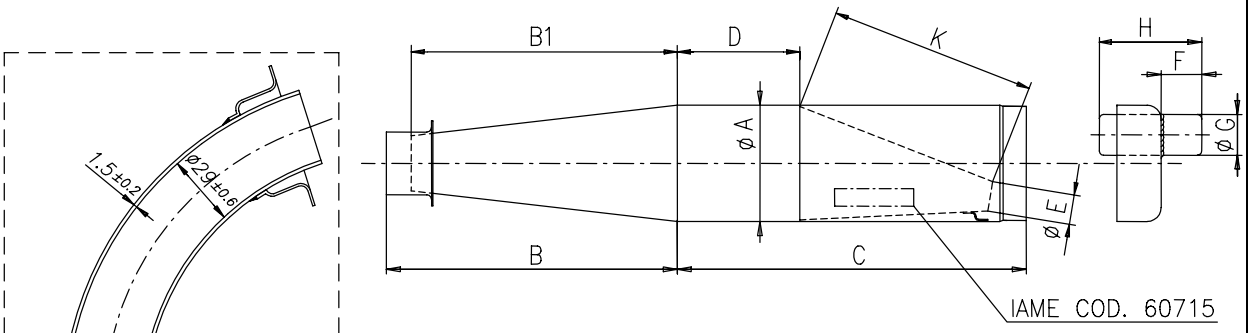




Poids min. 292 g
Min. weight 292 g

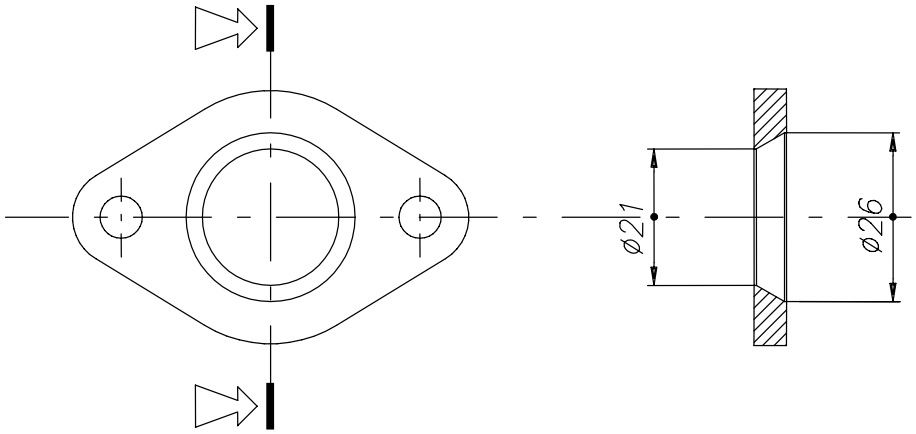
Poids min. 450 g
Min. weight 450 g

EXHAUST MUFFLER VIEW AND DIMENSIONS
VUE ET DIMENSIONS DU SILENCIEUX D' ECHAPPEMENT



A:	90 ±1	C:	260 ±3	F:	39 ±2		
B:	230 ±5	D:	47 ±5	G:	35 ±1		
B1:	211 ±3	E:	20 ±1	H:	80 ±3	K:	190 ±5

THERMIC INLET SPACER - *JOINT THERMIQUE D' ADMISSION*



- THE GAZELLE 60cc ENGINE, IN THE "FREE" VERSION, IS PROVIDED, AT THE ORIGIN, EXCLUSIVELY, WITH THE THERMIC SPACER, WHOSE DIMENSIONS ARE SHOWN ON THE ABOVE DRAWING.

- *LE MOTEUR GAZELLE 60cc, MODELE "FREE", EST EQUIPE, A L' ORIGINE, EXCLUSIVEMENT, DU JOINT THERMIQUE, DONT LES DIMENSIONS SONT INDIQUEES SUR LE DESSIN.*

IAME/Parilla 60cc Gazelle TaG (Free)

Displacement: 59.42 cm3, Bore 41.80mm, Stroke 43.30mm.

Cylinder: Cylinder is of aluminium with iron liner. All ports must be of intended design, conforming to drawings supplied by manufacturer. No modification or grinding permitted.

Cylinder Head: Cylinder head is aluminium and shall conform to drawing supplied by manufacturer. No modification allowed.

Crankcase: Crankcase is aluminium and shall conform to drawing supplied by manufacturer.

Crankshaft and Conrod: Crankshaft and conrod are of steel and shall be of original manufacture. Parts will conform to drawings supplied by manufacturer. No modification allowed.

Ball Bearings: Upper conrod 12x16x16
Lower conrod 18x24x15
Crankshaft 20x47x14

Piston: Piston is aluminium, supplied by IAME and conforms to drawing supplied by manufacturer. No modification allowed.

Piston Ring: Must be magnetic material.

Clutch: Dry centrifugal in design, supplied by IAME as specified in manufacturer's drawings. Drive sprocket is a non-tech item. No modification allowed.

Carburetor: Tillotson model HL-334B, specifications included in drawing supplied by manufacturer.

Ignition: Selletra 4 pole, incorporating included charging system, is supplied by IAME as original equipment.

Header: Header is as supplied and as shown in the drawing.

Muffler: Muffler is as supplied by IAME, specifications included in drawing supplied by manufacturer.

Flex: The Max flex length is 425mm. Measured using the outside radius, from the base of the header to the first expansion weld on the muffler (shown on the drawing as the right side of dimension B).

Induction Silencer: The induction silencer shall conform to the manufacturer's drawings. No modification allowed.

Parts: All parts to be original as supplied by IAME. No grinding or polishing of any part allowed.

Ages: Suggested class ages 8 - 12

Class Weight: Suggested class weight 225 lbs