
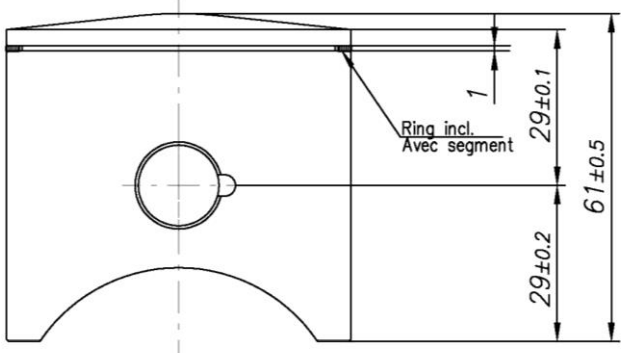
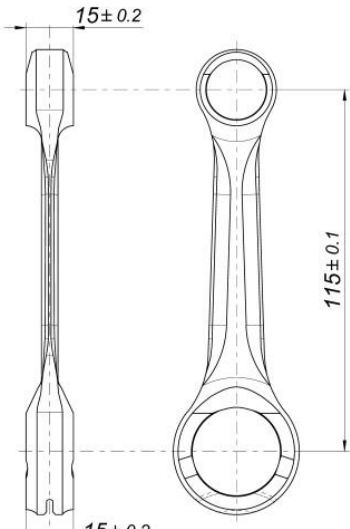
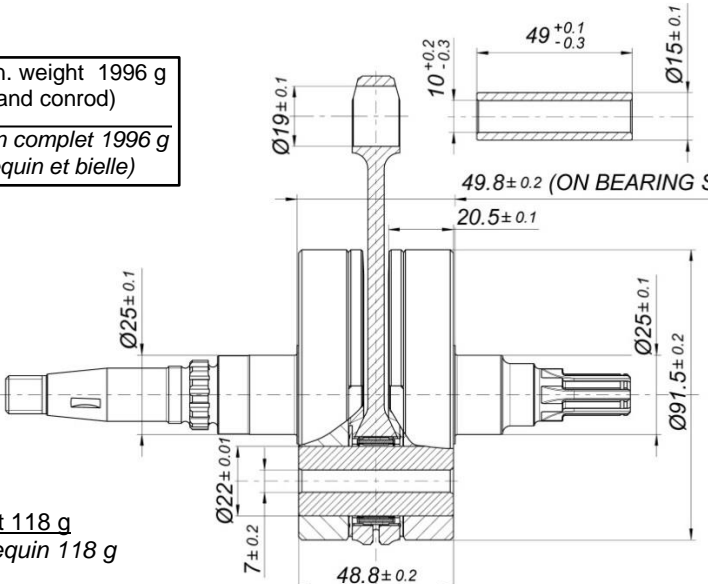


X30 CODASUR 175CC

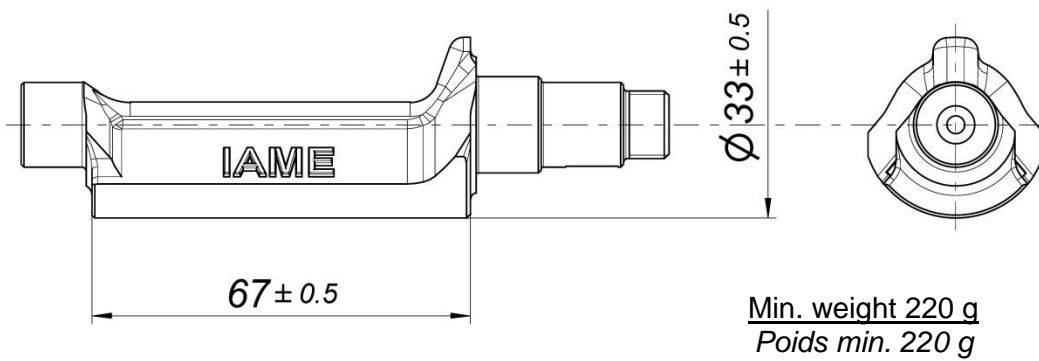
		FEATURES - CARACTERISTIQUES	
		Cylinder volume <i>Volume du cylindre</i>	174.46 cm ³ (Max 176.6 cm³)
		Bore <i>Alésage</i>	63.89 mm
		Max. theoretical bore <i>Alésage théorique max.</i>	64.26 mm
		Stroke <i>Course</i>	54.40 mm
		Cooling system <i>Système de refroidissement</i>	Water <i>A' Eau</i>
		Inlet system <i>Système d' admission</i>	Reed valve <i>A' Clapet</i>
Carburettor <i>Carburateur</i>	Tillotson HW-22B (Ø24mm)	Cylinder/crankcase transfers n° <i>N° de canaux cylindre / carter</i>	5 / 3
Number of piston rings <i>Nombre de segments</i>	1	Inlet / exhaust ports number <i>N° lumières admiss. / échapp.</i>	5 / 3
Crankshaft bearing diam. <i>Diamètre palier du vilebrequin</i>	25x52x15 (2Pc.)	Combustion chamber shape <i>Forme chambre de combustion</i>	Spherical <i>Spherique</i>
Big end conrod bearing diam. <i>Diamètre palier tête de bielle</i>	22x28x15	Ignition PVL <i>Allumage PVL</i>	Digital 684 600
Small end conrod bearing diam. <i>Diamètre palier pied de bielle</i>	15x19x20	RPM limiter <i>Limiteur de vitesse</i>	Yes <i>Oui</i>
Distance between conrod centers <i>Longueur (entre axe) de la bielle</i>	115 mm	Balancing shaft <i>Arbre d' equilibration de vilebr.</i>	Yes <i>Oui</i>

DESCRIPTION OF THE MATERIAL DESCRIPTION DES MATERIAUX		PISTON	
Conrod material <i>Matériel de la bielle</i>	Steel <i>Acier</i>		 <p>Min. weight 155 g Poids Min. 155 g</p>
Crankshaft material <i>Matériel du vilebrequin</i>	Steel <i>Acier</i>		
Balancing shaft material <i>Matériel de l'arbre d'équilibrage</i>	Steel <i>Acier</i>		
Gears material <i>Matériel des engrenages</i>	Steel <i>Acier</i>		
Cylinder head material <i>Matériel de la culasse</i>	Aluminium		
Cylinder material <i>Matériel du cylindre</i>	Aluminium	DISTANCE BETWEEN CONROD CENTERS <i>ENTRE AXE DE LA BIELLE</i>	
Liner material <i>Matériel de la chemise</i>	Cast iron <i>Fonte</i>	 <p>Min. weight 117 g Poids Min. 117 g</p>	
Crankcase material <i>Matériel du carter</i>	Aluminium		
Piston material <i>Matériel du piston</i>	Aluminium		
Piston ring material <i>Matériel du segment</i>	Steel <i>Acier</i>		
Exhaust muffler material <i>Matériel du pot d'échappement</i>	Sheet-steel <i>Tôle acier</i>		

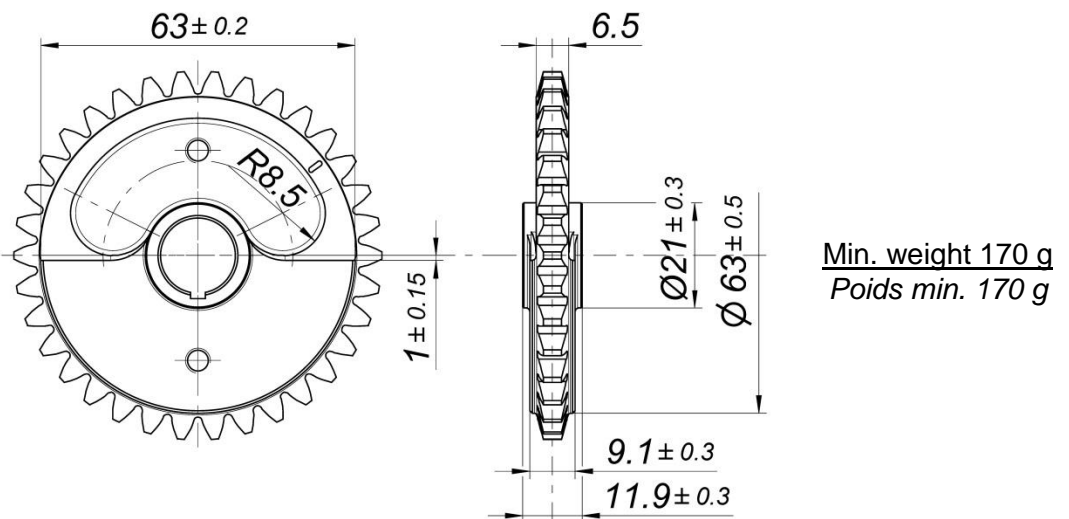
CRANKSHAFT VILEBREQUIN

<div style="border: 1px solid black; padding: 5px;"> <p>Complete crankshaft min. weight 1996 g (included crankpin and conrod) <i>Poids min. du vilebrequin complet 1996 g (inclus axe de vilebrequin et bielle)</i></p> </div>		<p>Piston pin min. weight 34 g <i>Poids min. axe de piston 34 g</i></p>
<p>Crankpin min. weight 118 g <i>Poids min. axe de vilebrequin 118 g</i></p>		

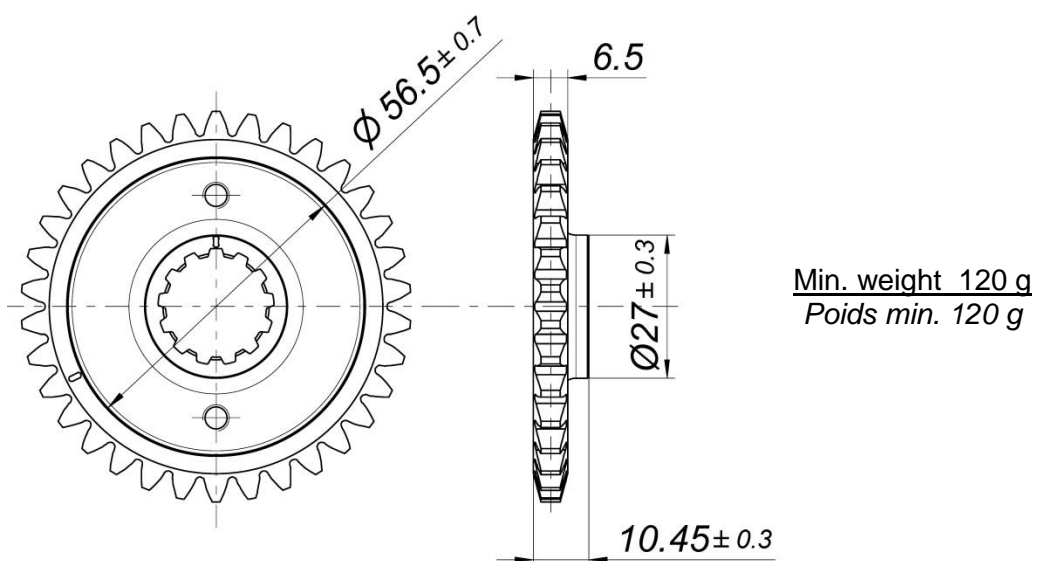
BALANCING SHAFT - ARBRE D' EQUILIBRAGE



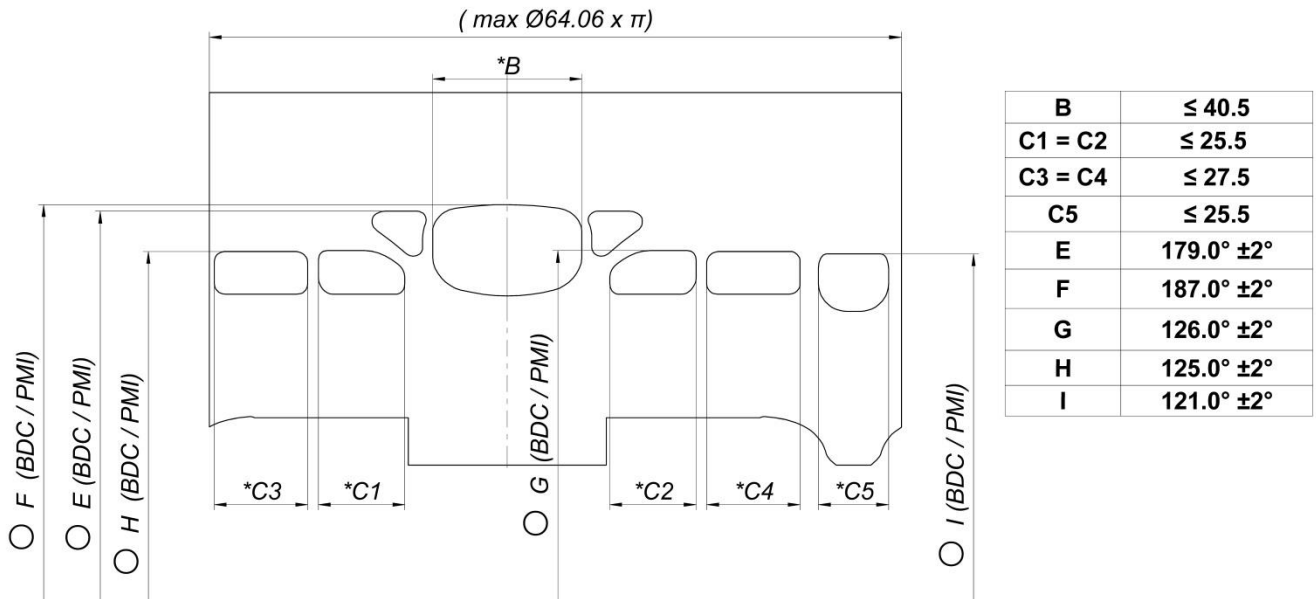
BALANCING SHAFT GEAR - ENGRENAGE ARBRE D' EQUILIBRAGE



ENGINE GEAR - ENGRENAGE DU MOTEUR



CYLINDER DEVELOPMENT - DEVELOPPEMENT DU CYLINDRE

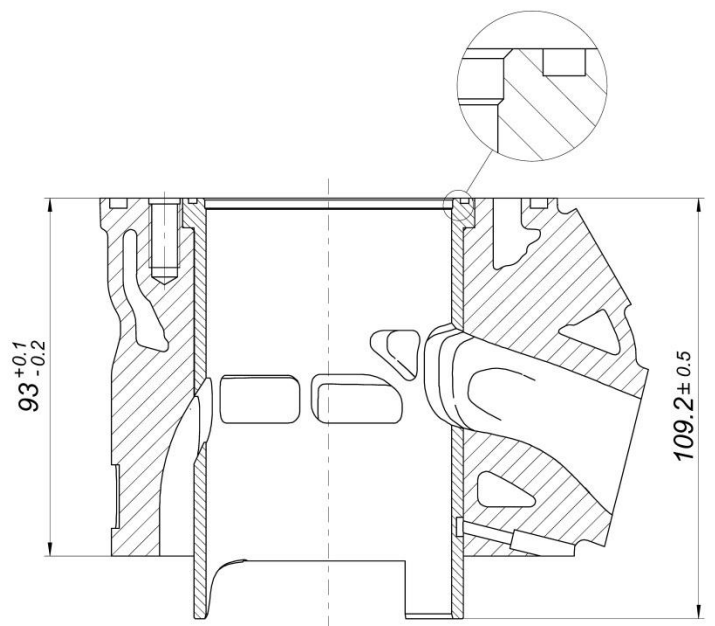
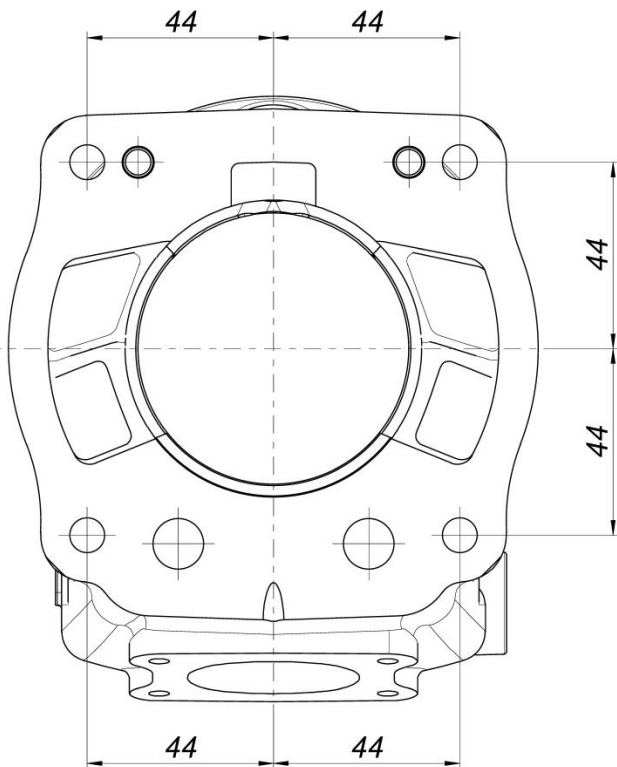


* **CHORDAL READING**
LECTURE CORDALE

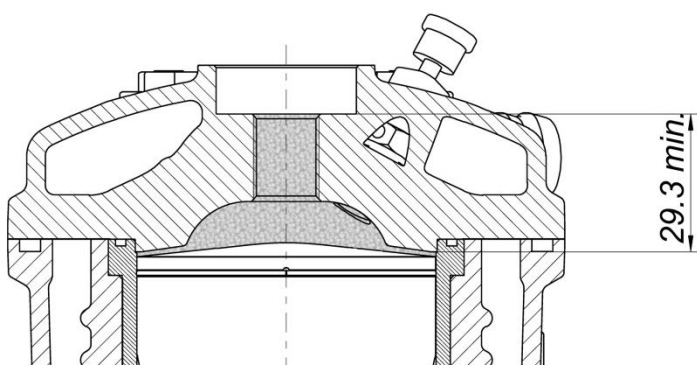
○ **ANGULAR READING BY INSERTING A 0.2x5 mm GAUGE**
LECTURE ANGULAIRE PAR INSERTION D'UNE CALE DE 0.2x5 mm

CYLINDER BASE VIEW
VUE DE LA BASE DU CYLINDRE

CYLINDER CROSS SECTION VIEW
VUE EN SECTION DU CYLINDRE



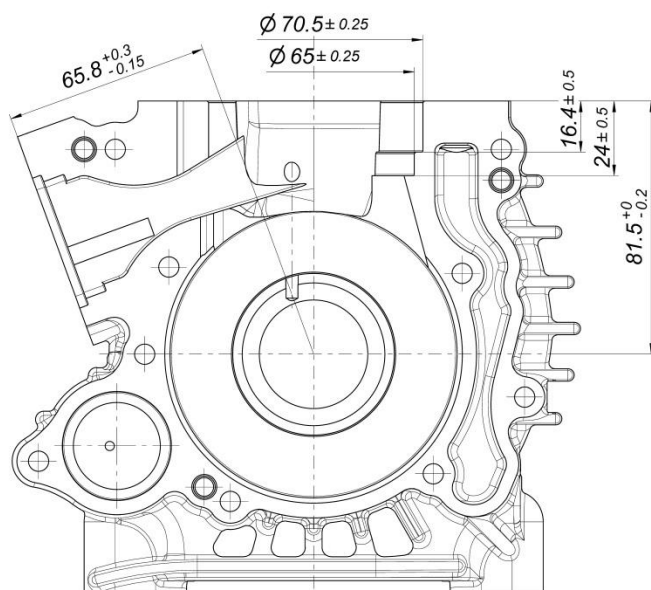
COMBUSTION CHAMBER VIEW
VUE DE LA CHAMBRE DE COMBUSTION



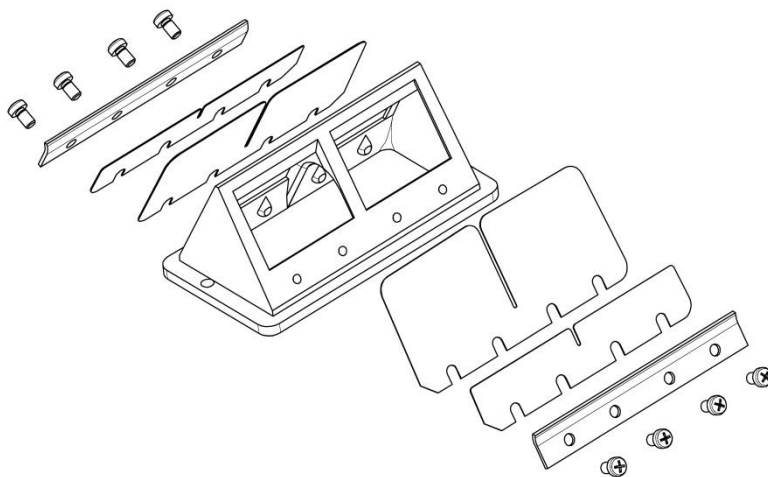
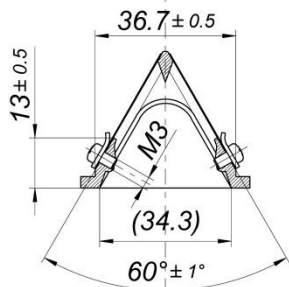
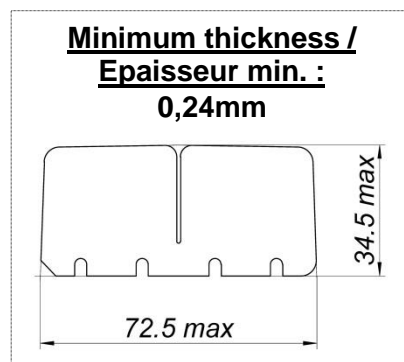
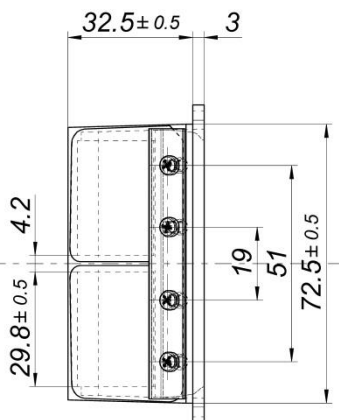
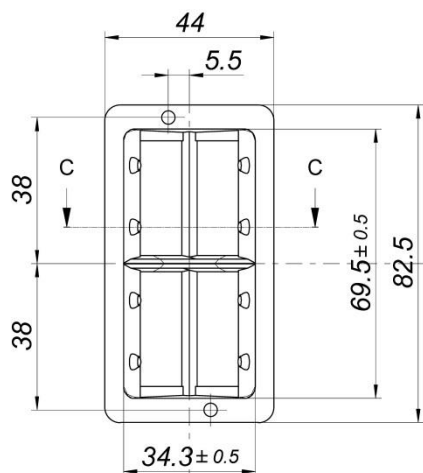
COMBUSTION CHAMBER VOLUME TOT. = 14.2 cm³ min.
VOLUME CHAMBRE COMBUSTION TOT. = 14.2 cm³ min.

ATT.: SQUISH MIN. = 0.80mm
 (measured with Ø1.5mm TIN - mesurée avec de l'étain Ø1.5mm)

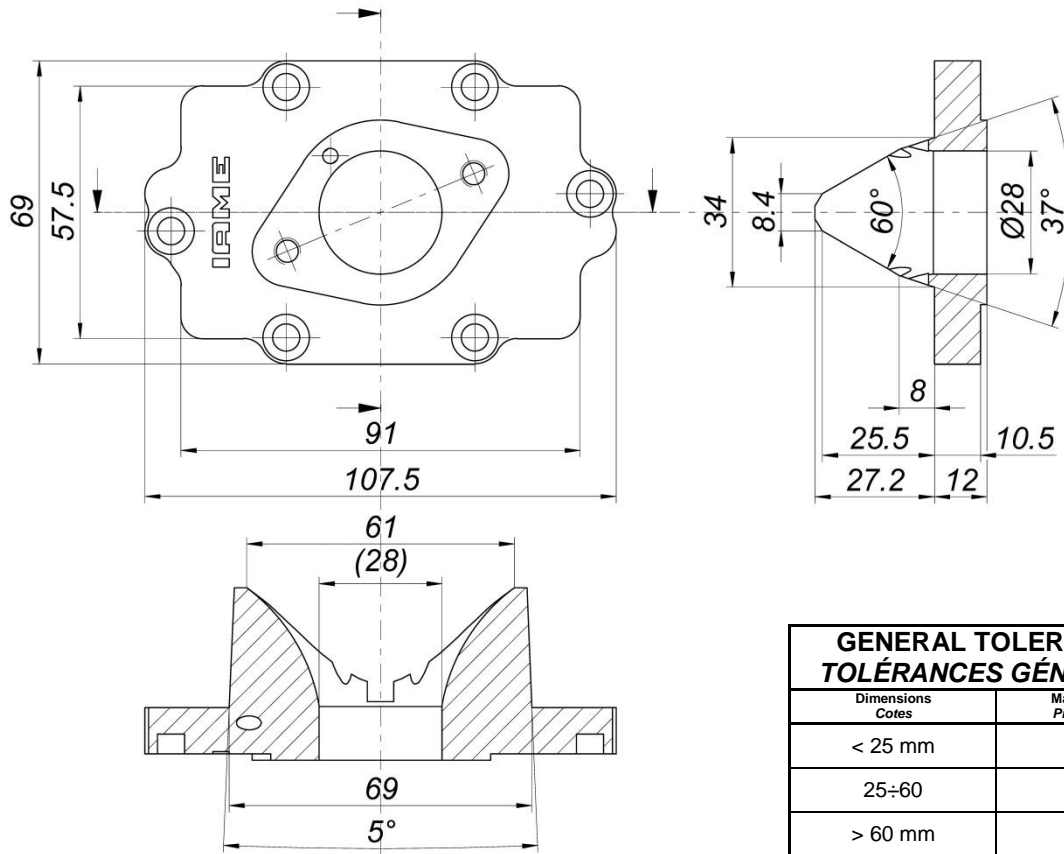
CRANKCASE INSIDE VIEW
VUE A' L' INTERIEUR DU CARTER



REEDS GROUP & REEDS DIMENSIONS – PYRAMIDE DE CLAPETS & CLAPETS



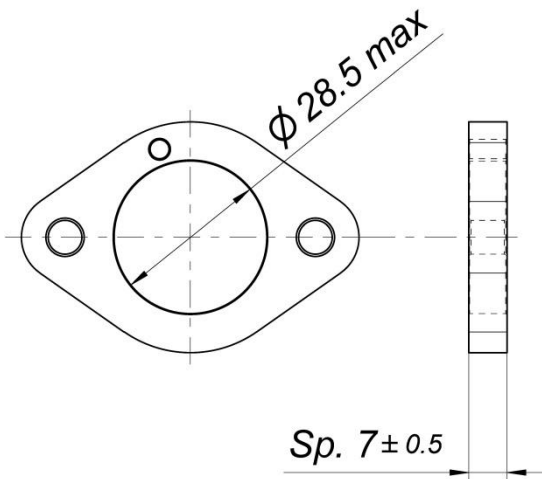
INLET CONVEYOR - CONVOYEUR D'ADMISSION



GENERAL TOLERANCES TOLÉRANCES GÉNÉRALES	
Dimensions Cotes	Machined parts Pièces usinées
< 25 mm	±0.5
25-60	±0.8
> 60 mm	±1.5

INLET SPACER - RACCORD D'ADMISSION

PART N° cod. F1NG31001



VENTURI CARB. DIMENSIONS
DIMENSIONS DU VENTURI DU CARB.

Tillotson HW-22B



PHOTO OF CARBURETTOR TILLOTSON HW-22B WITH IAME MARKING
PHOTO DU CARBURATEUR HW-22B AVEC MARQUAGE "IAME"

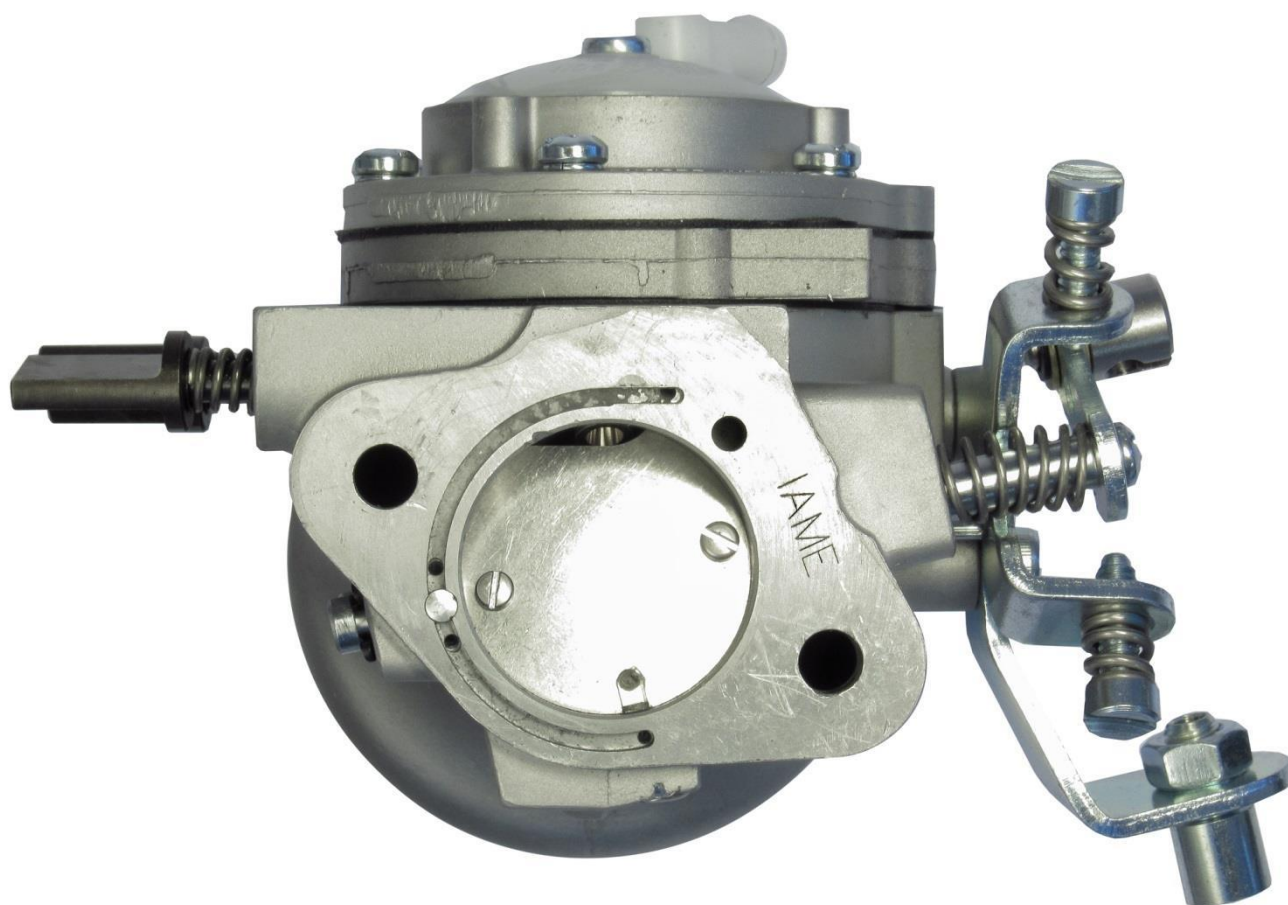
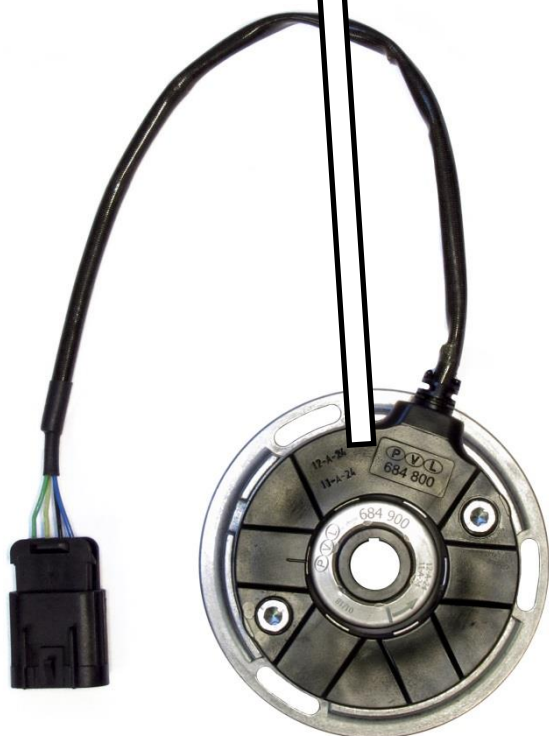
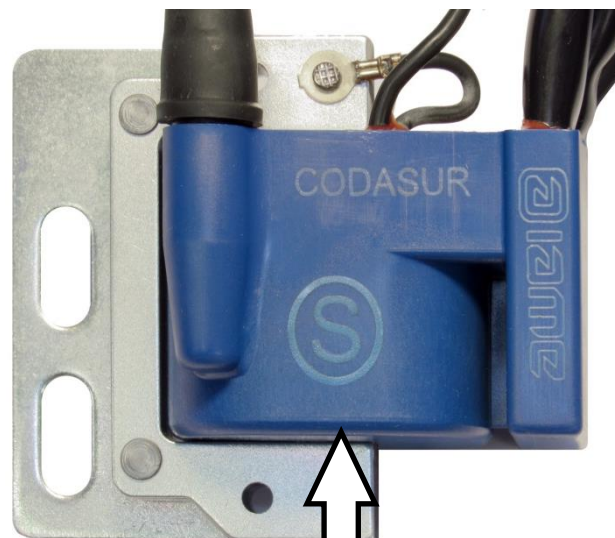
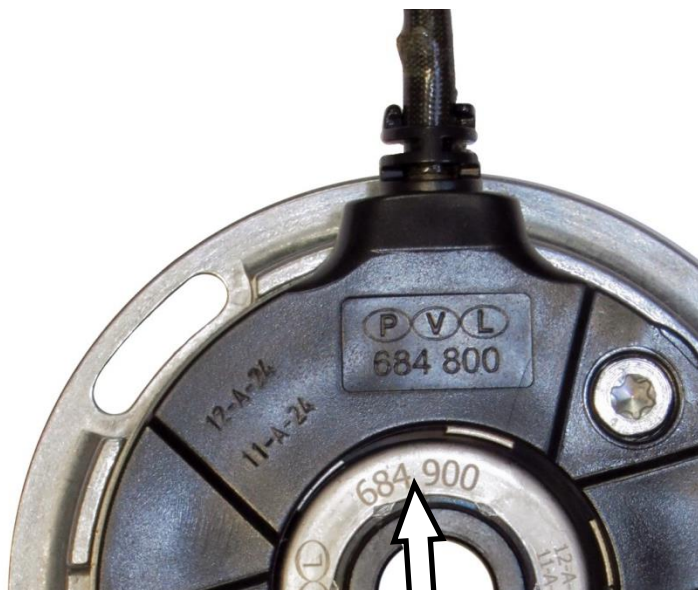
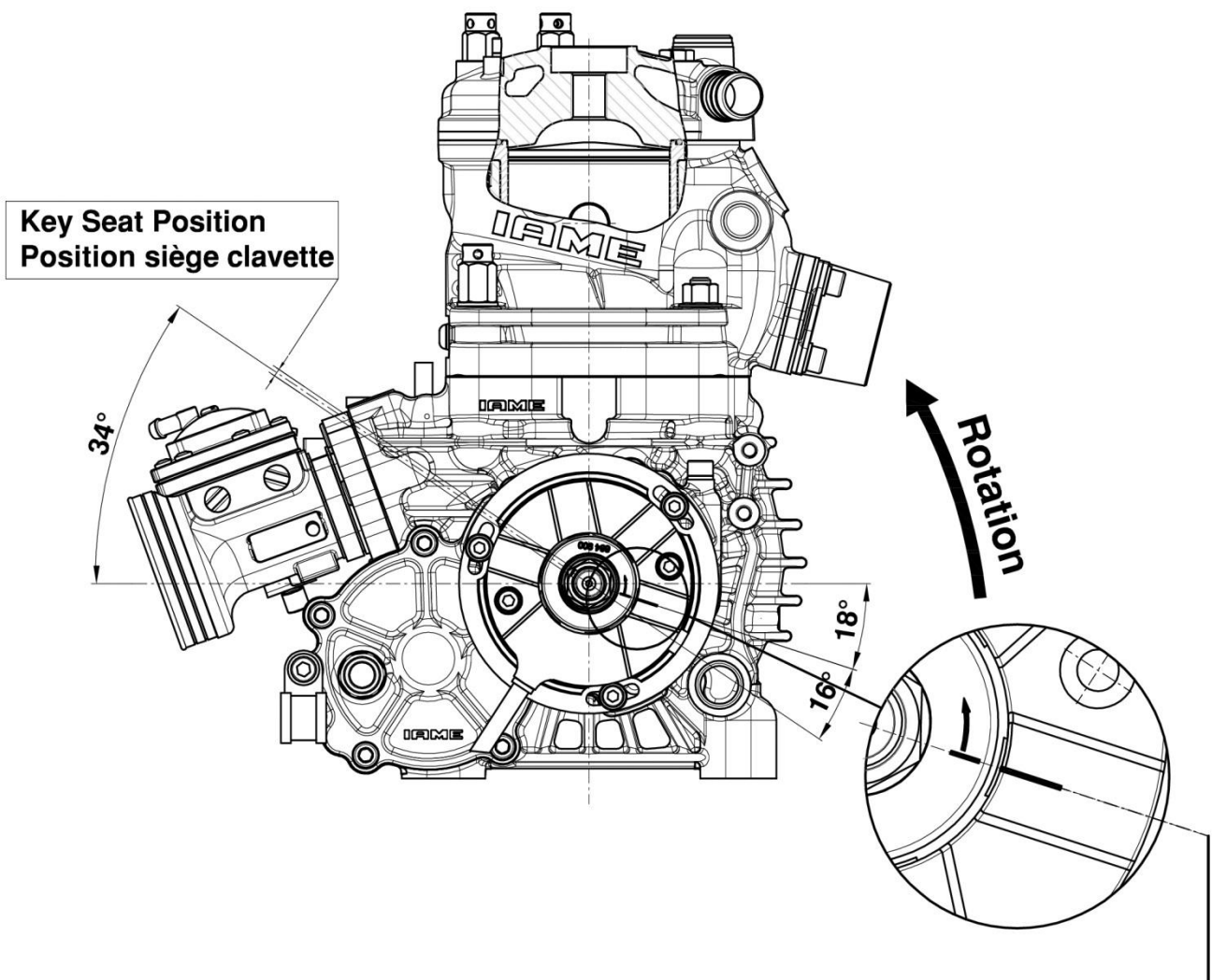


PHOTO OF DIGITAL IGNITION PVL 684 600, WITH IAME MARKING
PHOTO DU ALLUMAGE PVL 684 600 DIGITALE AVEC MARQUAGE "IAME"

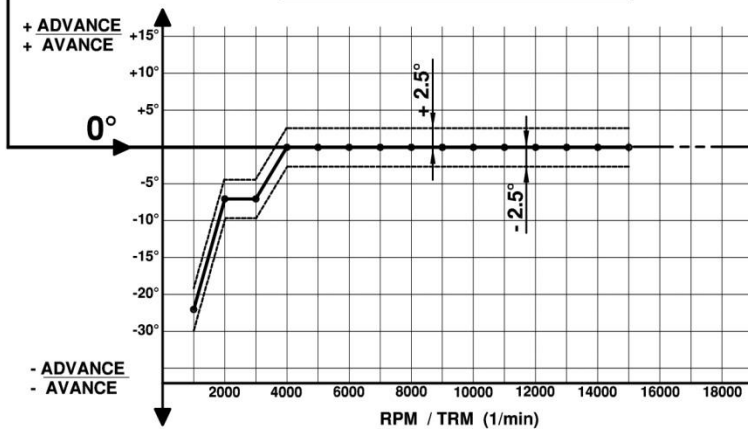


SCHEME FOR ADVANCE CONTROL
 SCHEMA DE CONTROLE POUR L'AVANCE

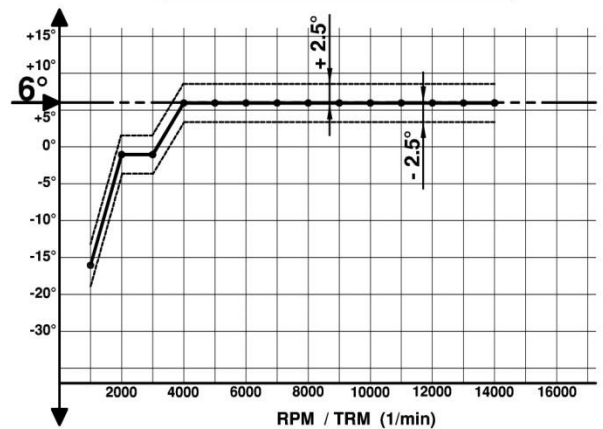


ADVANCE CURVE GRAPHS / GRAPHIQUES DE LA COURBE D'AVANCE

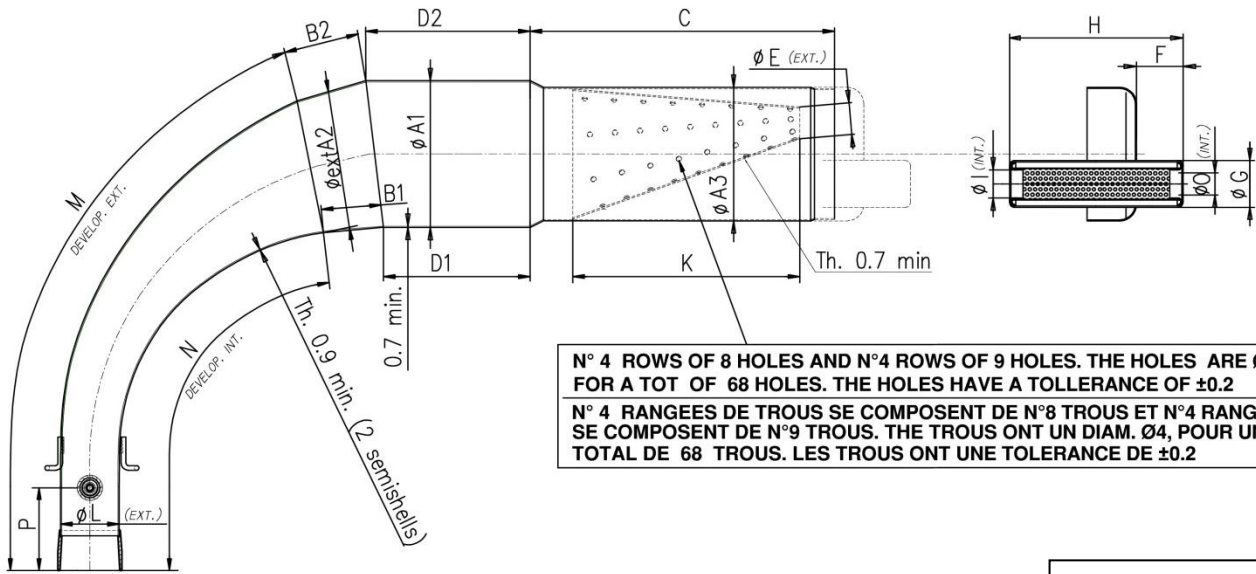
SENIOR CATEGORY



JUNIOR CATEGORY



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

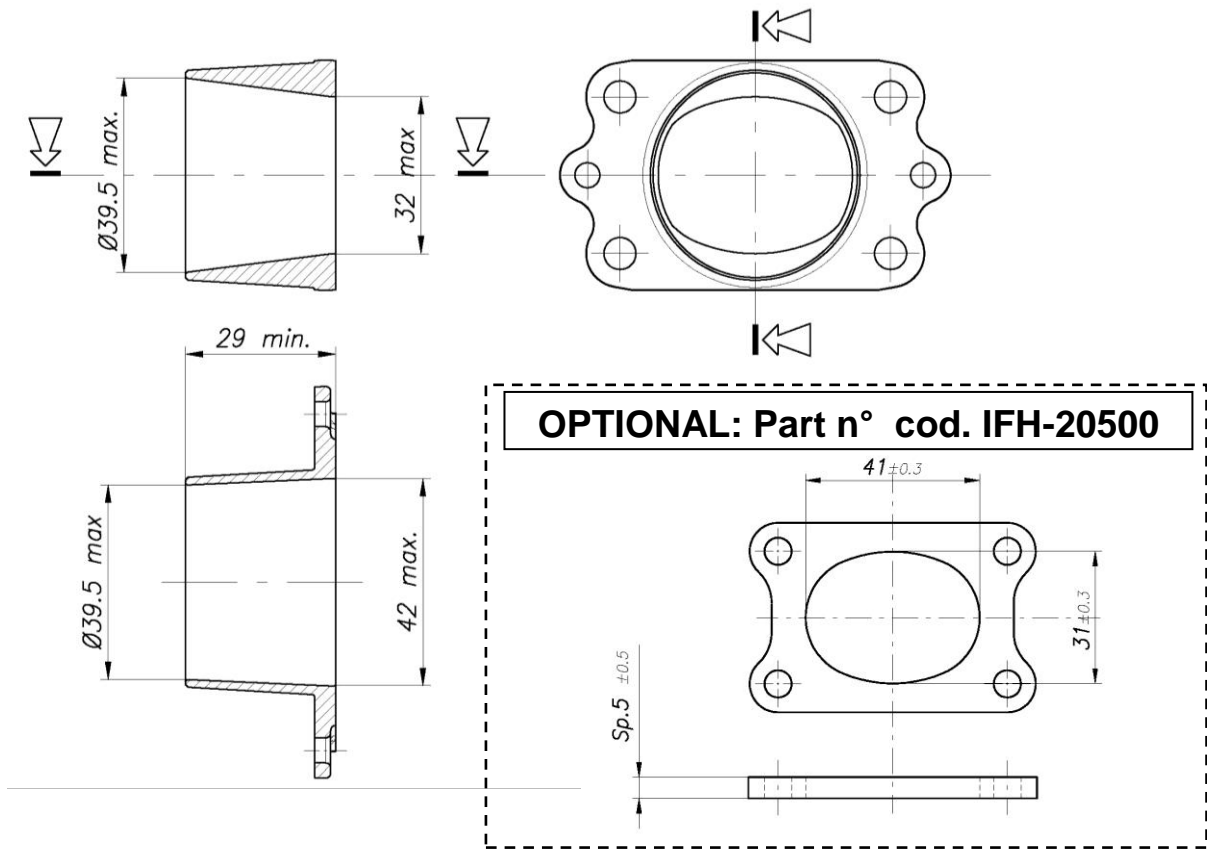


N° 4 ROWS OF 8 HOLES AND N°4 ROWS OF 9 HOLES. THE HOLES ARE Ø4, FOR A TOT OF 68 HOLES. THE HOLES HAVE A TOLLERANCE OF ±0.2
N° 4 RANGEES DE TROUS SE COMPOSENT DE N°8 TROUS ET N°4 RANGEES SE COMPOSENT DE N°9 TROUS. THE TROUS ONT UN DIAM. Ø4, POUR UN TOTAL DE 68 TROUS. LES TROUS ONT UNE TOLERANCE DE ±0.2

Min. weight 1.75 Kg
Poids min. 1.75 Kg

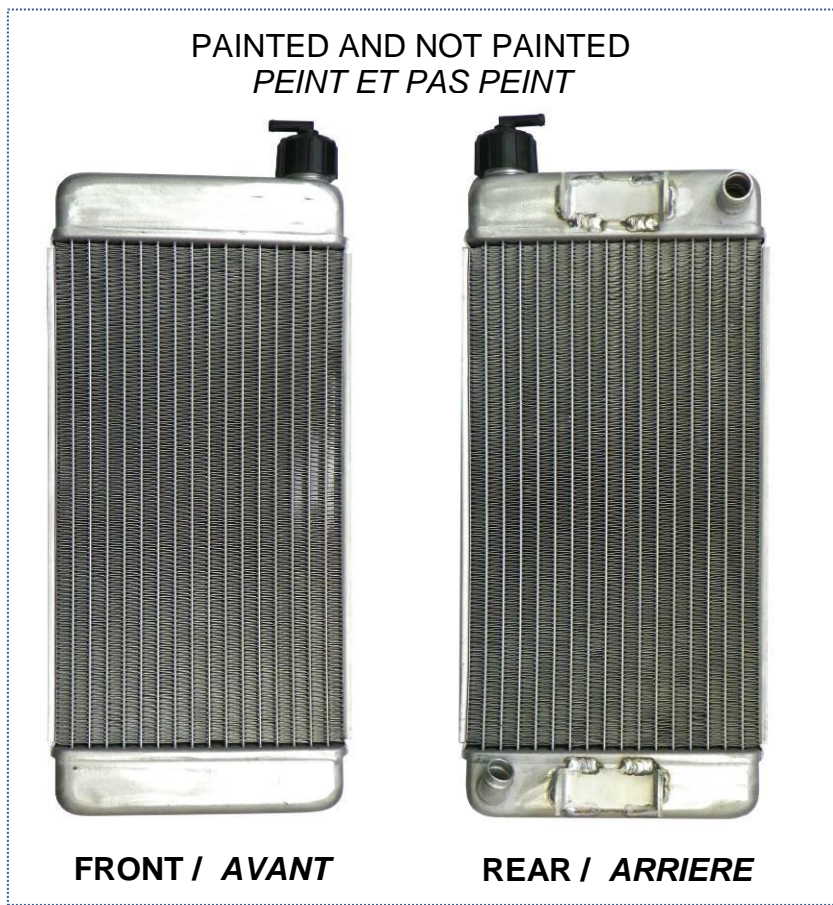
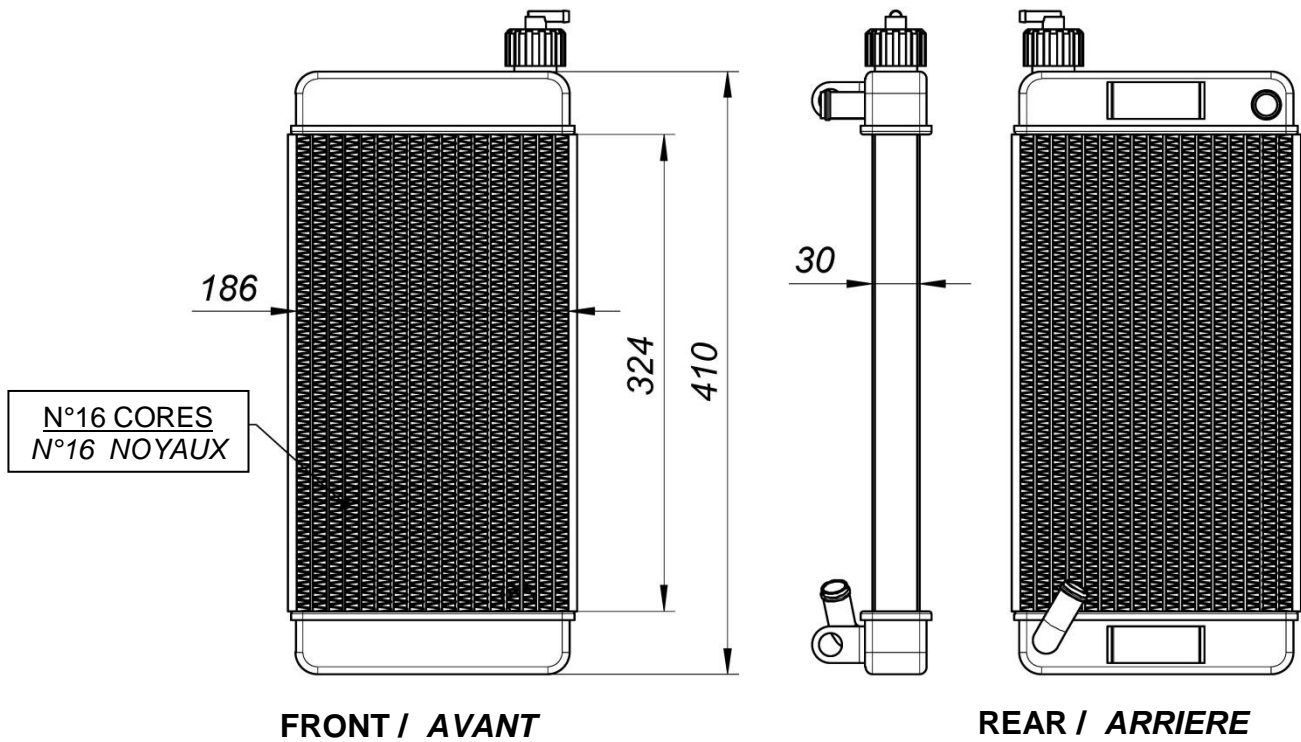
A1: <u>105.5 ±1.5</u>	B1: <u>59 ±3</u>	D1: <u>105 ±3</u>	F: <u>36 ±2</u>	I: <u>21 ±1</u>	M: <u>434 ±3</u>	P: <u>50 ±10</u>
A2: <u>100 ±1.5</u>	B2: <u>59 ±3</u>	D2: <u>125 ±3</u>	G: <u>35 ±1</u>	K: <u>170 ±3</u>	N: <u>338 ±3</u>	
A3: <u>100 ±1.5</u>	C: <u>218 ±3</u>	E: <u>23 ±2</u>	H: <u>132 ±2</u>	L: <u>42.5 ±1.5</u>	O: <u>21 ±1</u>	

EXHAUST MANIFOLD AND SPACER VIEW AND DIMENSIONS
VUE ET DIMENSIONS DU RACCORD D' ECHAPPEMENT ET ESPACEUR

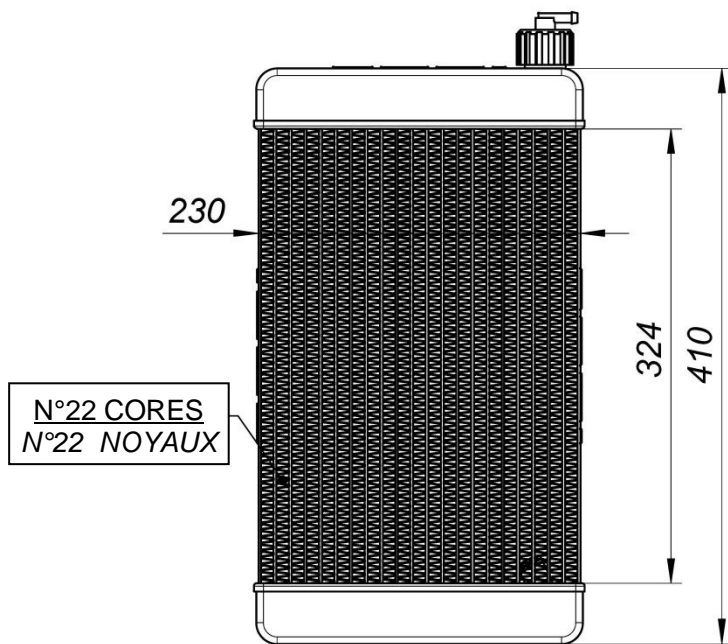


OPTIONAL: Part n° cod. IFH-20500

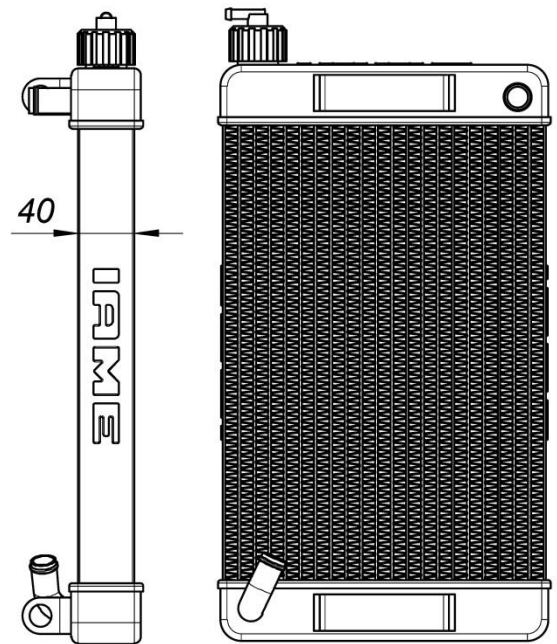
RADIATOR DESCRIPTION AND SKETCH OF PARTS
 DESCRIPTION DU RADIATEUR ET SCHEMA ILLUSTRANT LES ELEMENTS



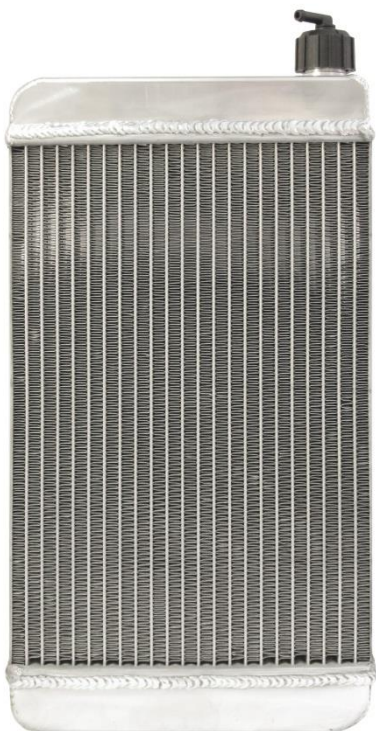
RADIATOR ALTERNATIVE DESCRIPTION AND SKETCH
 DESCRIPTION DU RADIATEUR ALTERNATIVE



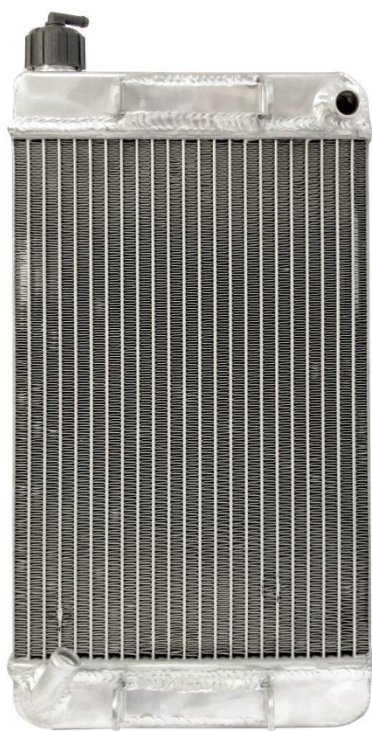
FRONT / AVANT



REAR / ARRIERE



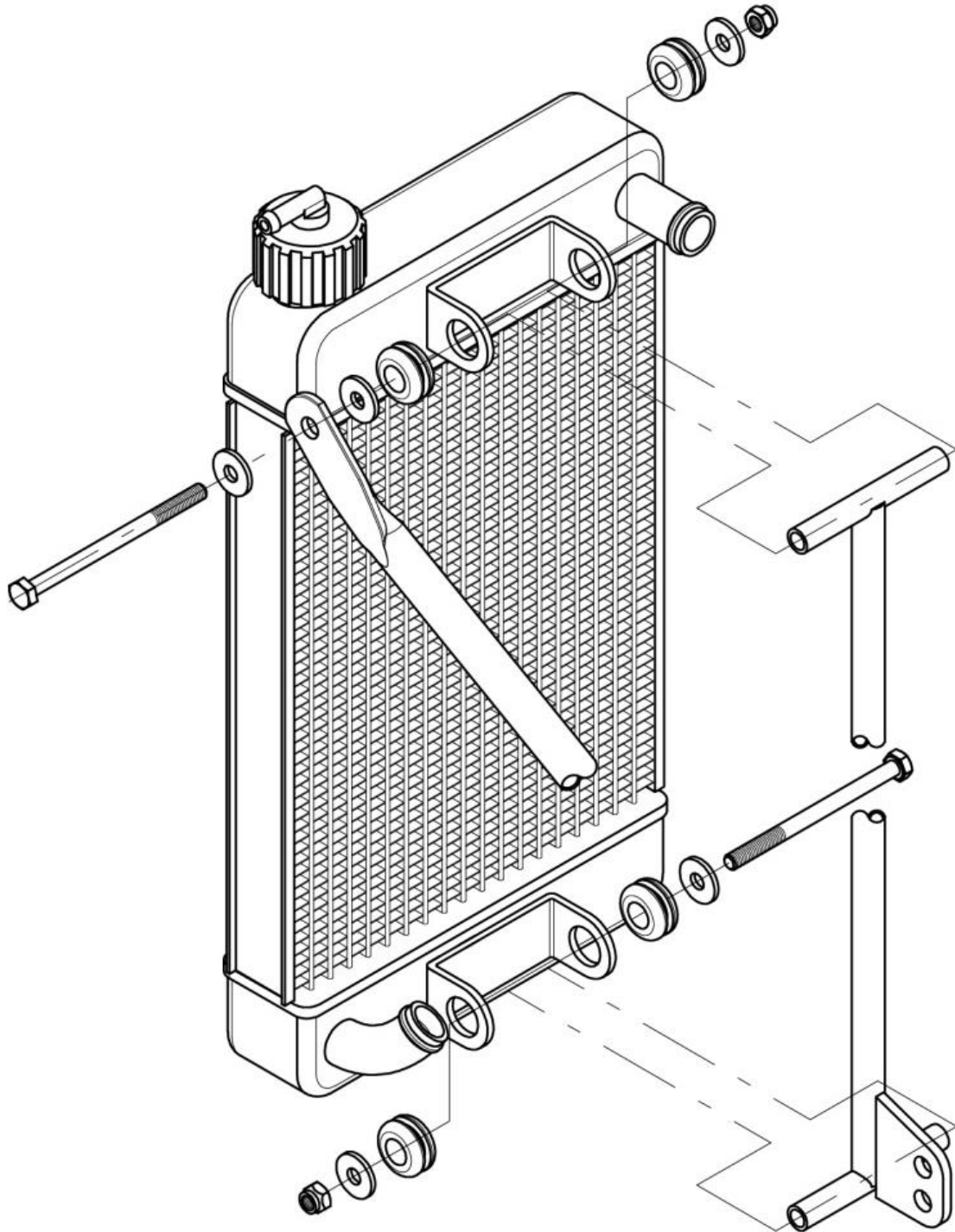
FRONT / AVANT



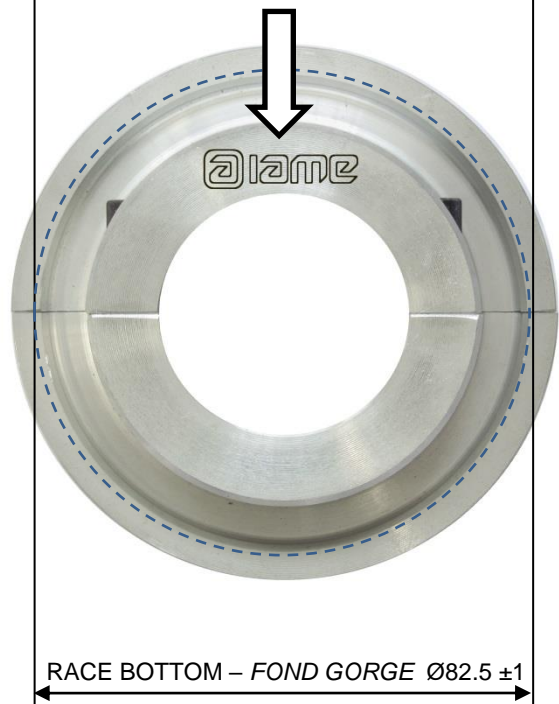
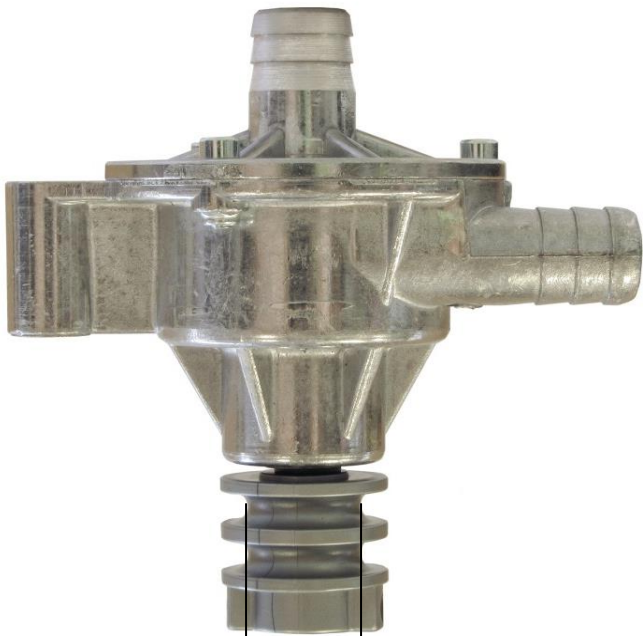
REAR / ARRIERE



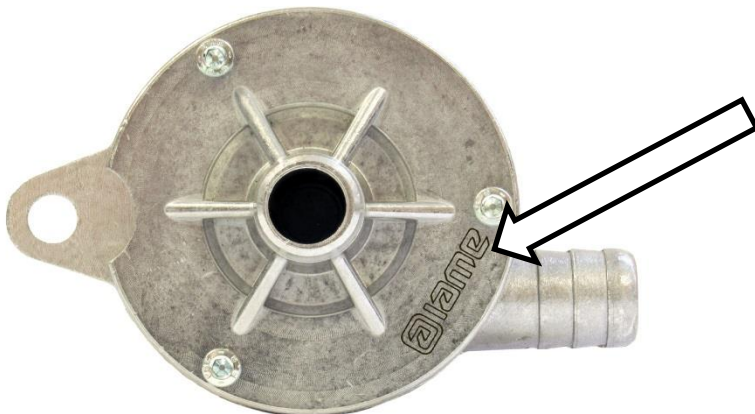
RADIATOR AND ITS SUPPORTS
RADIATEUR ET SES SUI TIEN



ALTERNATIVE WATER PUMP & PULLEY
ALTERNATIVE GROUPE POMPE A' EAU ET POULIE



RACE BOTTOM - FOND GORGE
Ø20 ±1



PISTON IDENTIFICATION MARKING
 MARQUAGE D'IDENTIFICATION PISTON

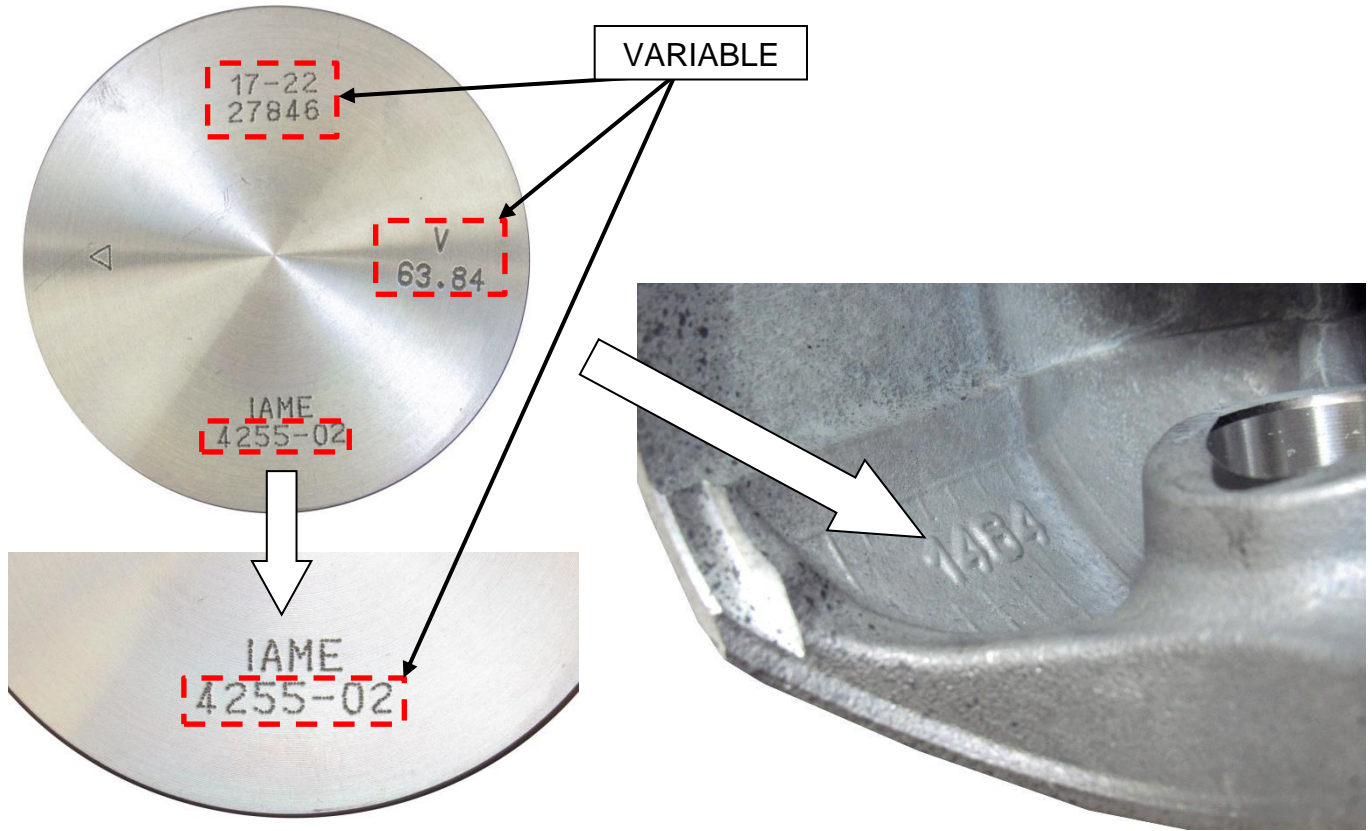
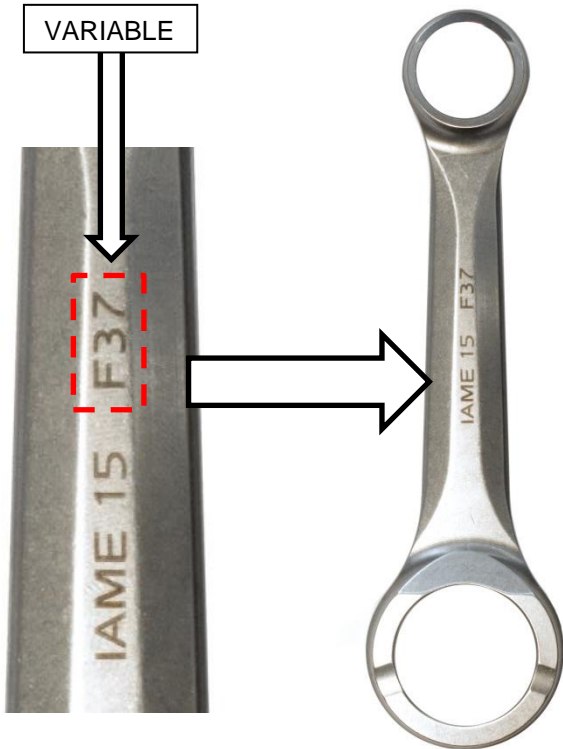
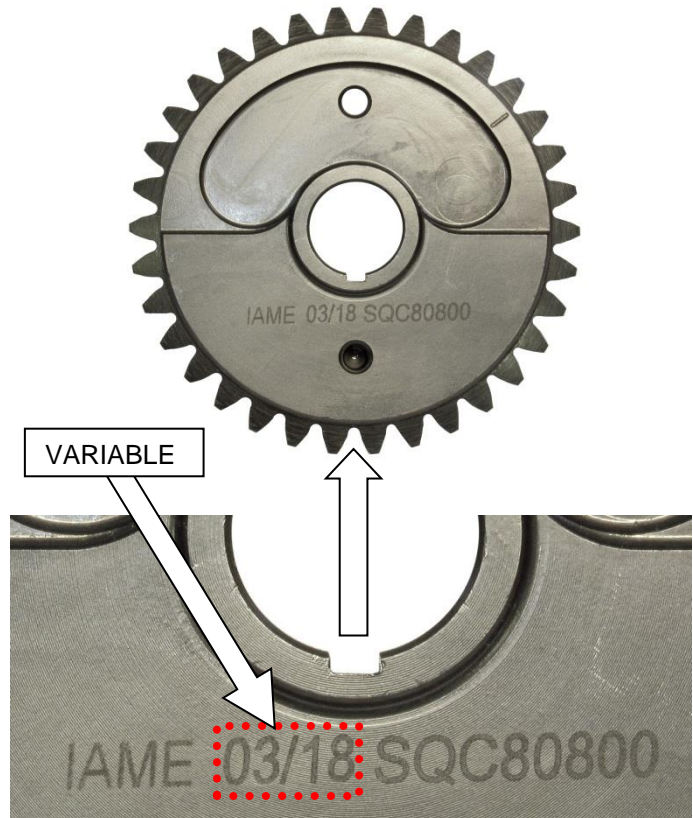


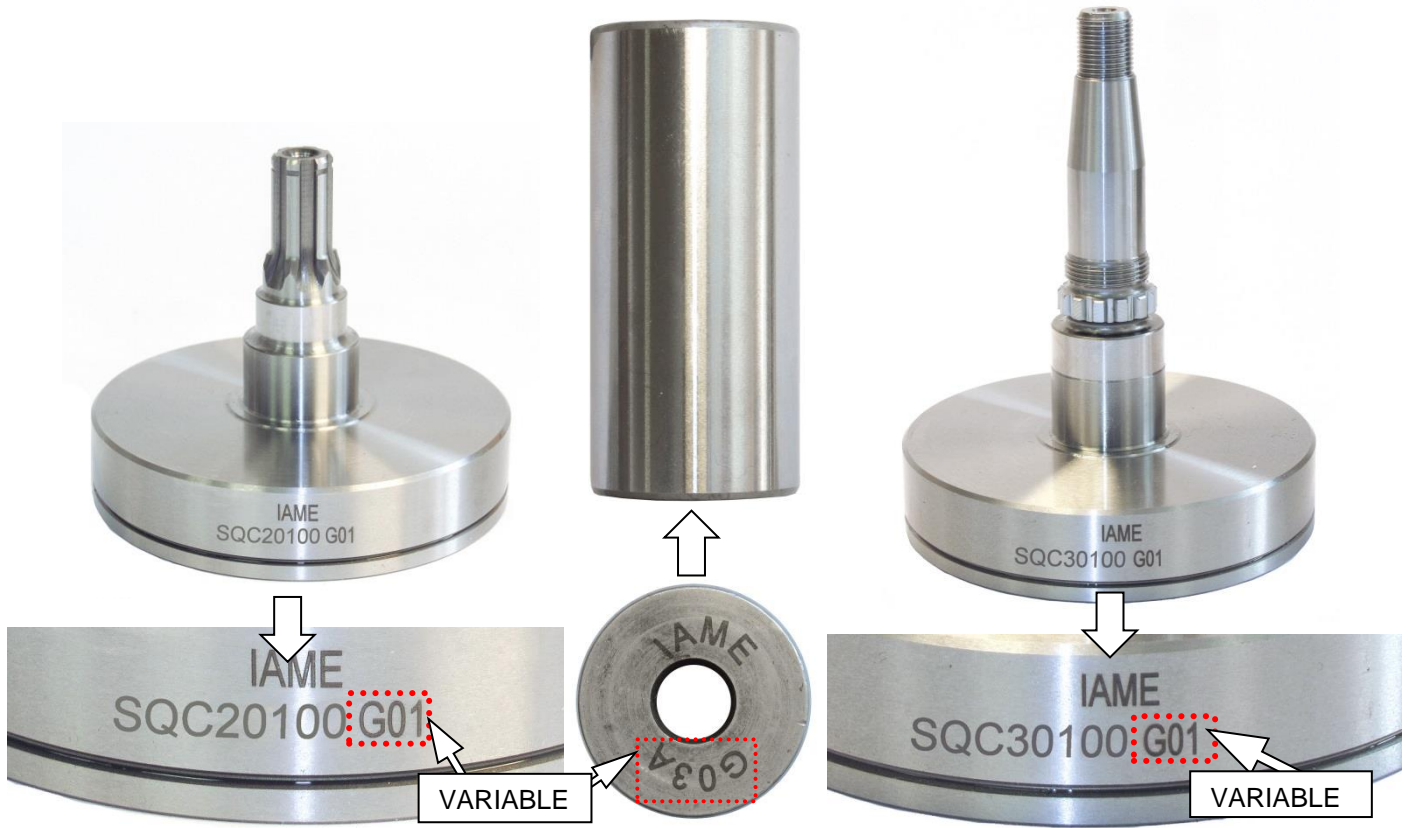
PHOTO IDENTIFICATION CONROD
 MARQUAGE D'IDENTIFICATION BIELLE



IDENTIFICATION BALANCING SHAFT
 MARKING
 MARQUAGE D'IDENTIFICATION ARBRE
 D'EQUILIBRAGE

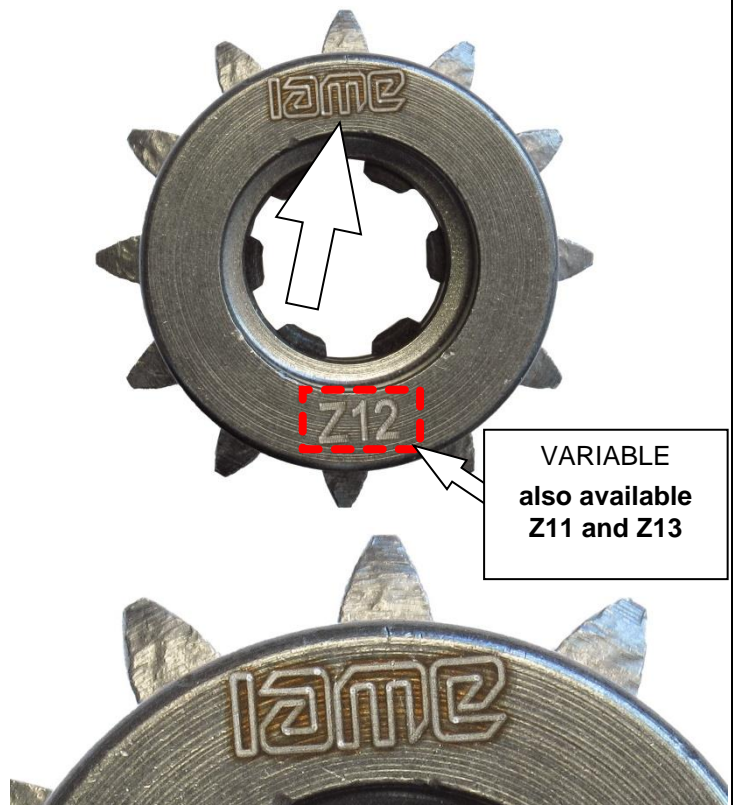
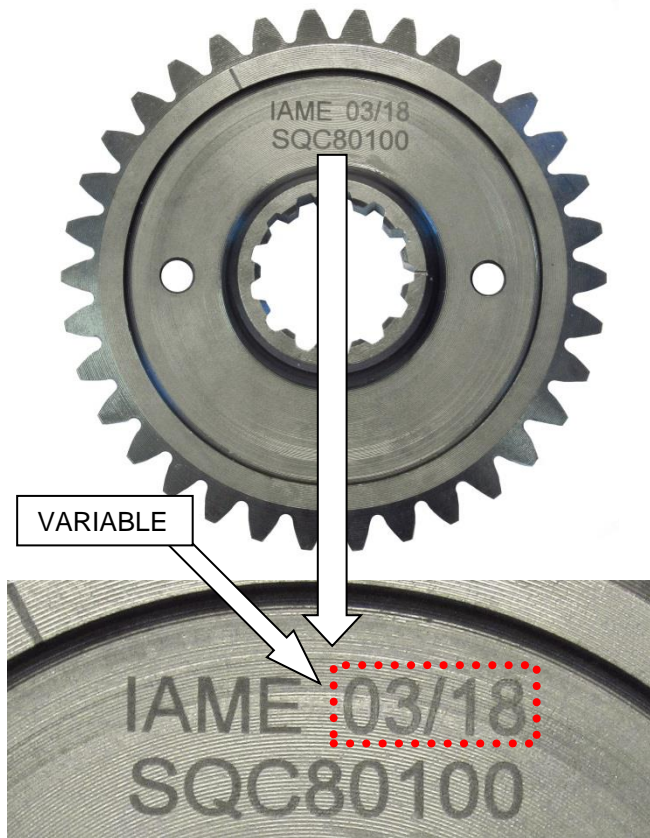


CRANKSHAFT IDENTIFICATION MARKING
 MARQUAGE D'IDENTIFICATION DU VILEBREQUIN



GEAR COMMAND BALANCING SHAFT
 IDENTIFICATION MARKING
 MARQUAGE D'IDENTIFICATION
 ENGRENAGE ARBRE D'EQUILIBRAGE

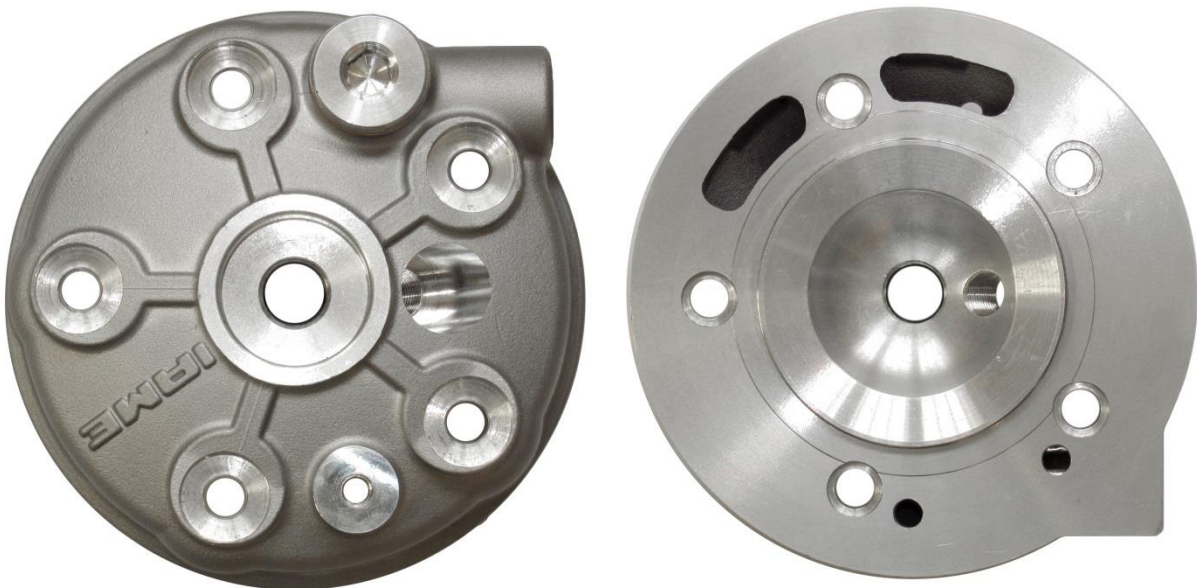
SPROCKET IDENTIFICATION MARKING
 MARQUAGE D'IDENTIFICATION DU PIGNON



IDENTIFICATION BALANCING SHAFT MARKING
MARQUAGE D'IDENTIFICATION ARBRE D'EQUILIBRAGE



PHOTO IDENTIFICATION CYLINDER HEAD
PHOTO D'IDENTIFICATION DE LA CULASSE DE CILINDRE



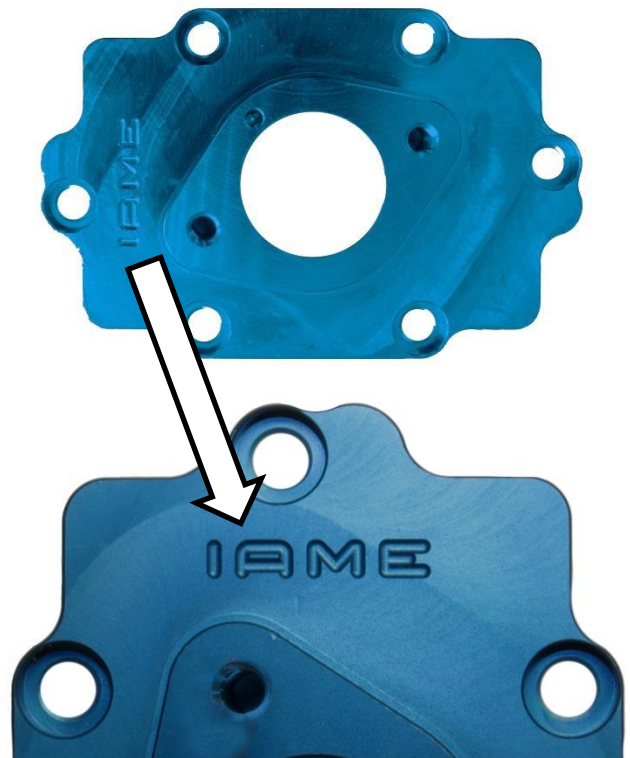
REED GROUP & PETALS IDENTIFICATION
 PHOTO
 PHOTO D'IDENTIFICATION DE LA PYRAMIDE
 DE CLAPETS & CLAPETS



MATERIAL: CARBON FIBER
 Thickness minimum : 0.24 mm



INLET CONVEYOR IDENTIFICATION
 MARKING
 MARQUAGE DU CONVOYEUR D'ADMISSION



SPACER IDENTIFICATION MARKING
 MARQUAGE DU ESPACEUR D'ADMISSION



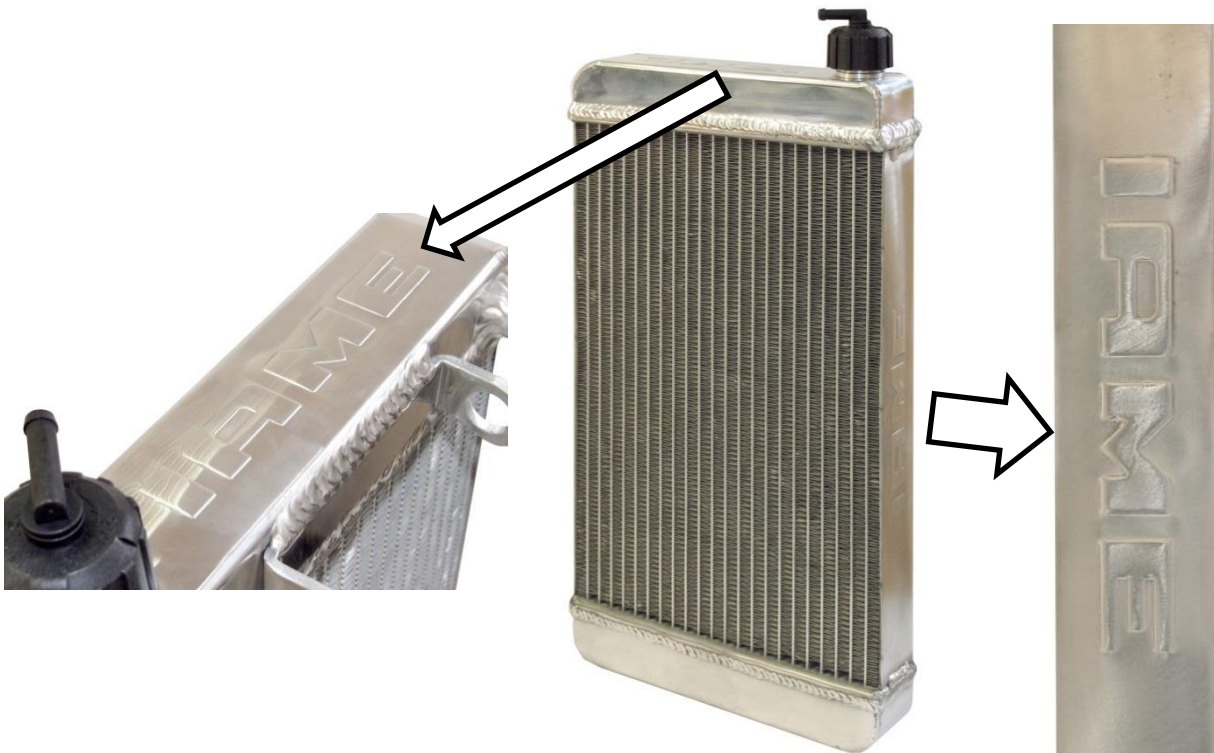
EXHAUST MANIFOLD IDENTIFICATION
 MARKING
 MARQUAGE DU RACCORD
 D'ECHAPPEMENT



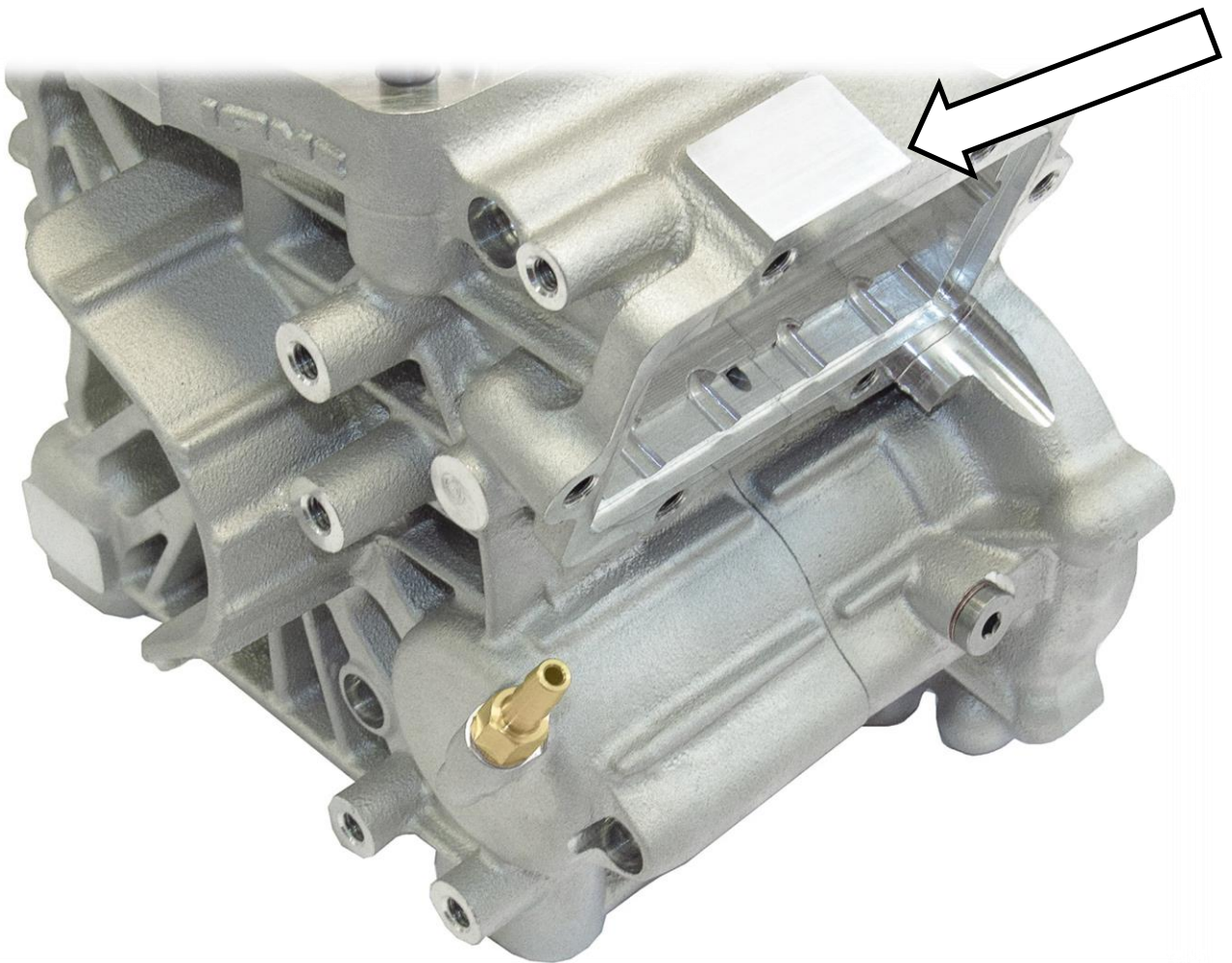
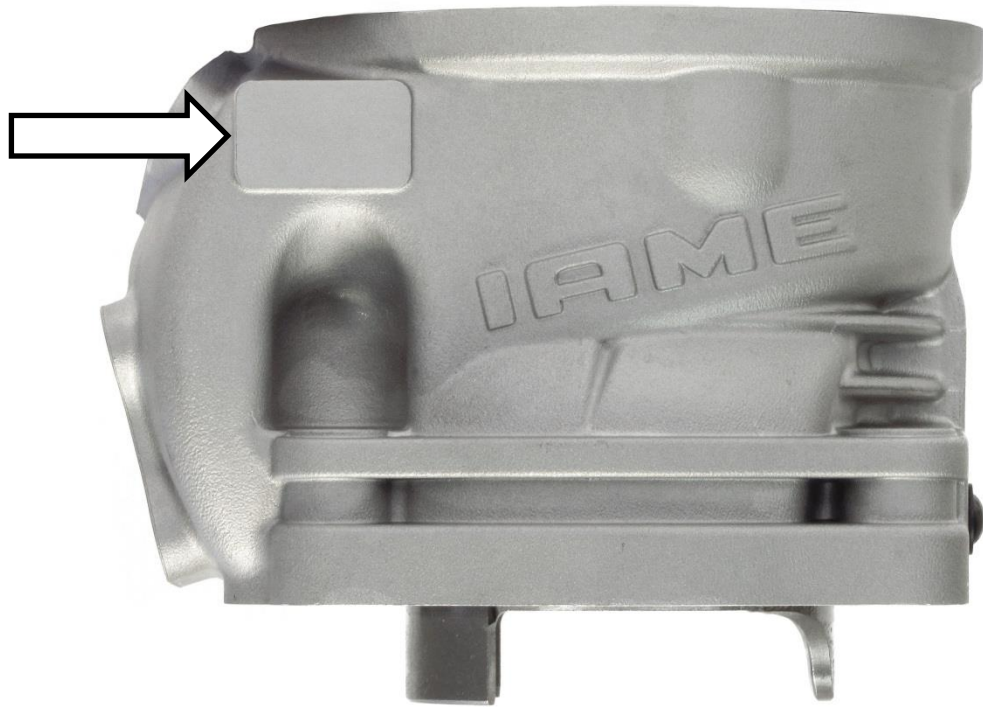
EXHAUST MUFFLER SENIOR IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION ECHAPPEMENT



ALTERNATIVE RADIATOR IAME IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU RADIATOR ALTERNATIVE



STICKER APPLICATION AREA - *ESPACE POUR L'APPLICATION DE ADHÉSIFS*



CYLINDER IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU CYLINDRE

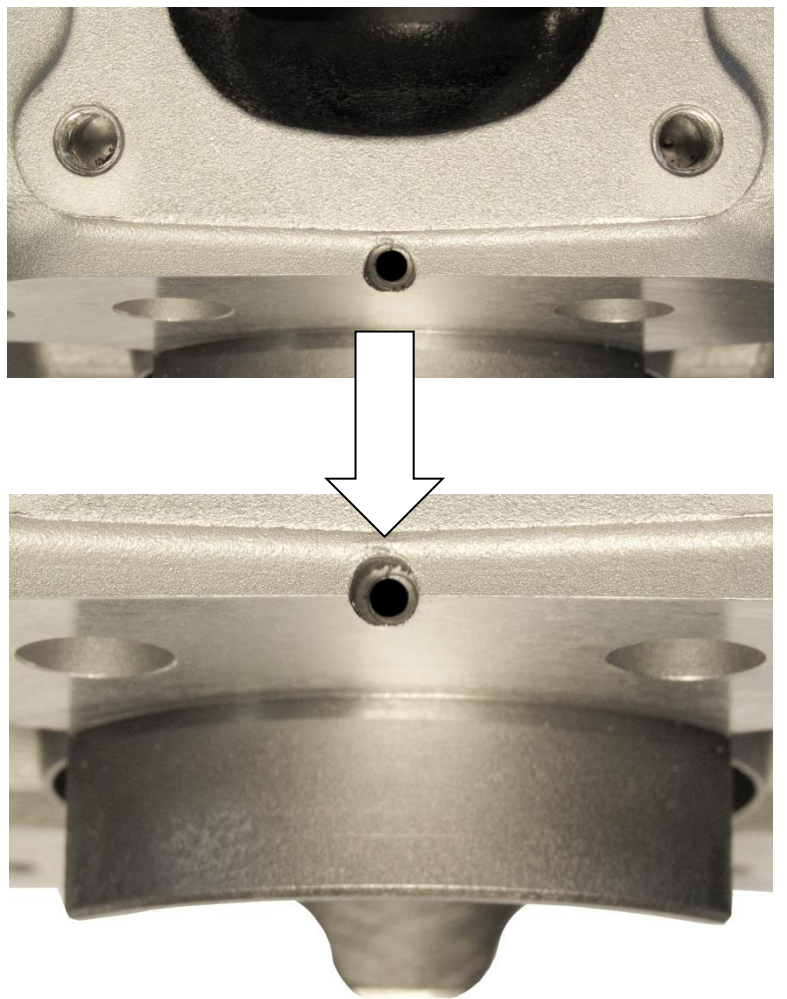
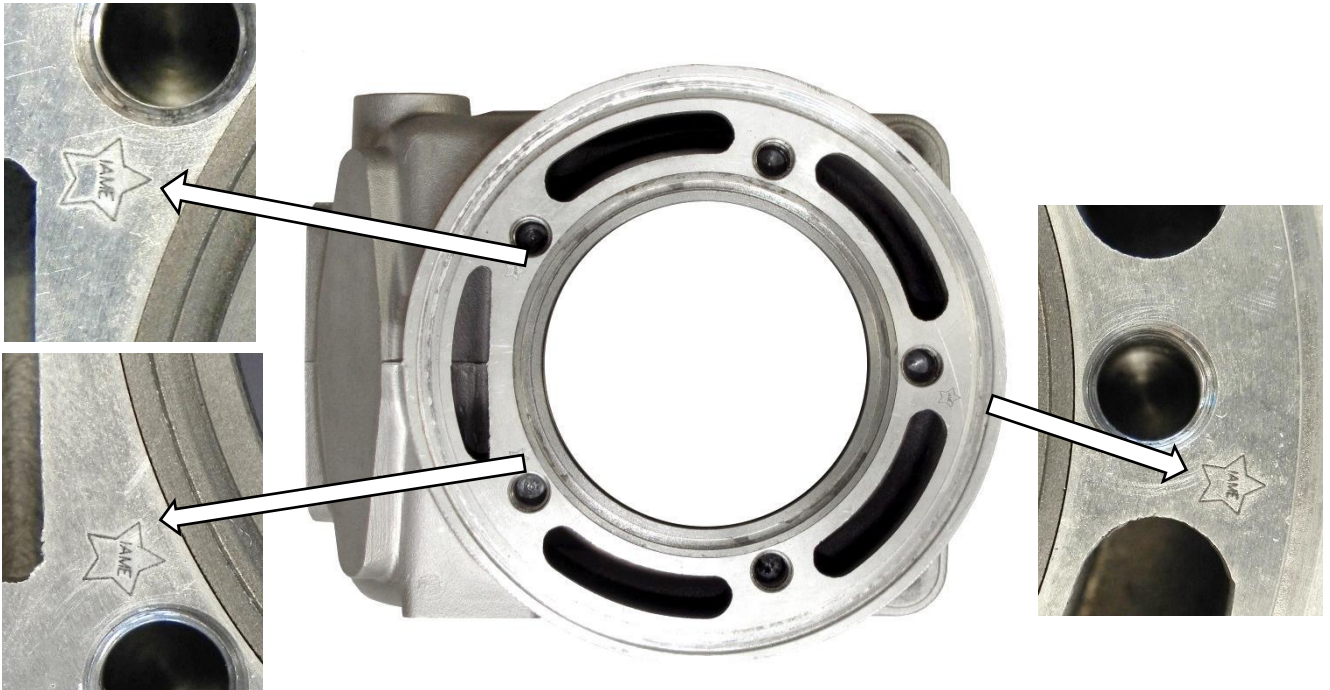
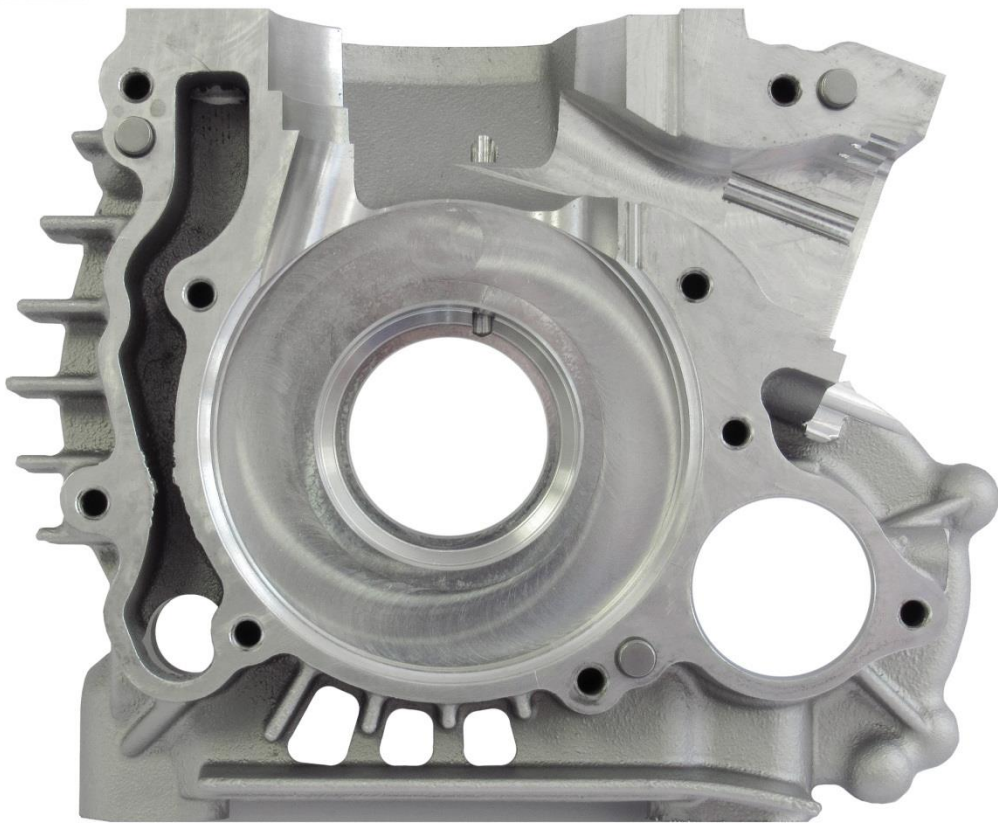


PHOTO OF THE INSIDE OF THE RIGHT CRANKCASE
PHOTO INTÉRIEUR DU CARTER DROIT

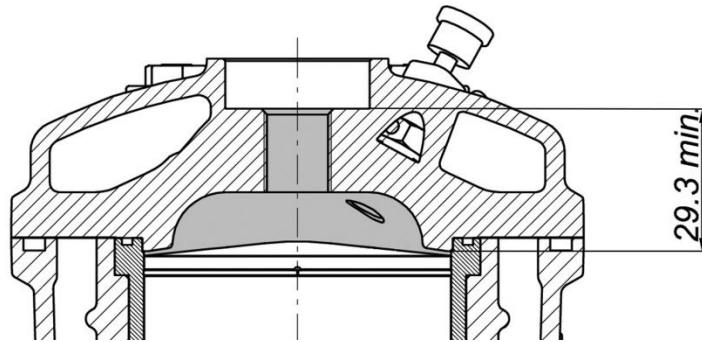


PHOTO OF THE INSIDE OF THE LEFT CRANKCASE
PHOTO INTÉRIEUR DU CARTER GAUCHE



JUNIOR CATEGORY

JUNIOR COMBUSTION CHAMBER VIEW VUE DE LA CHAMBRE DE COMBUSTION JUNIOR



COMBUSTION CHAMBER VOLUME TOT. = 24.0 cm³ min.
VOLUME CHAMBRE COMBUSTION TOT. = 24.0 cm³ min.

ATT.: SQUISH MIN. = 0.85mm
(measured with Ø1.5mm TIN - mesurée avec de l'étain Ø1.5mm)

JUNIOR EXHAUST MANIFOLD VIEW AND DIMENSIONS VUE ET DIMENSIONS DU RACCORD D'ÉCHAPPEMENT JUNIOR

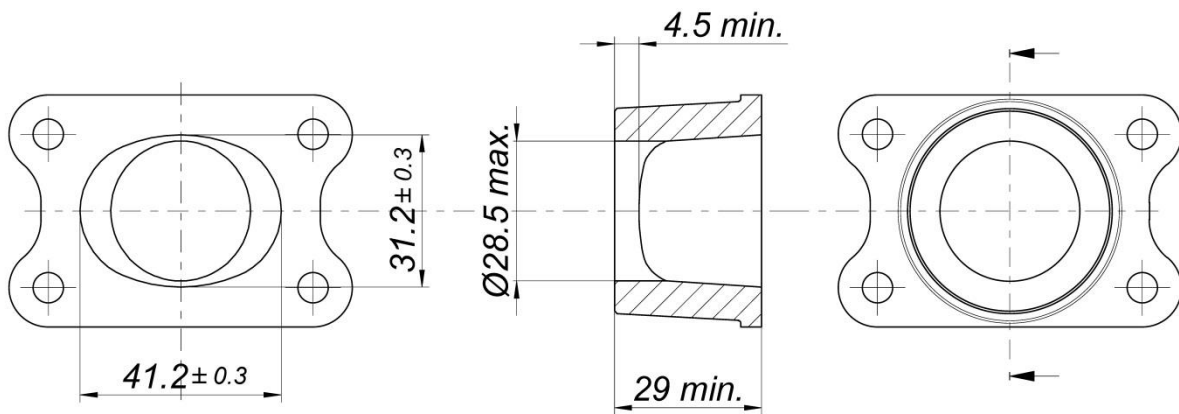


PHOTO OF H.T. COIL JUNIOR WITH IAME MARKING
PHOTO DU BOBINE JUNIOR AVEC MARQUAGE "IAME"

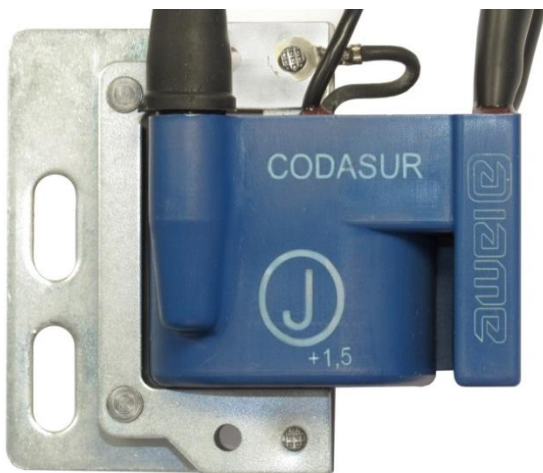
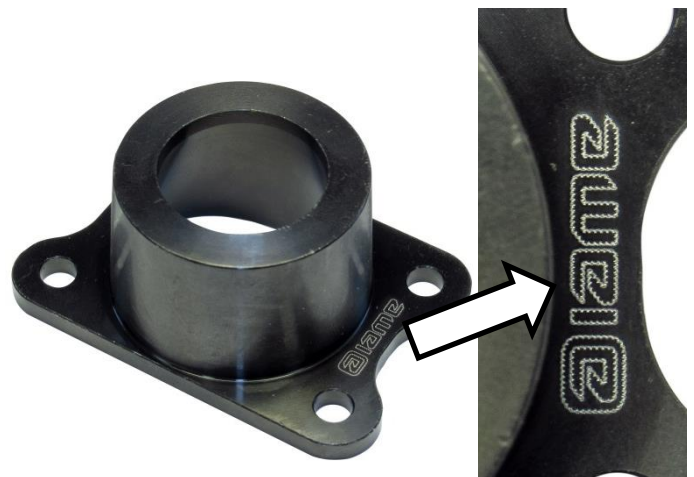
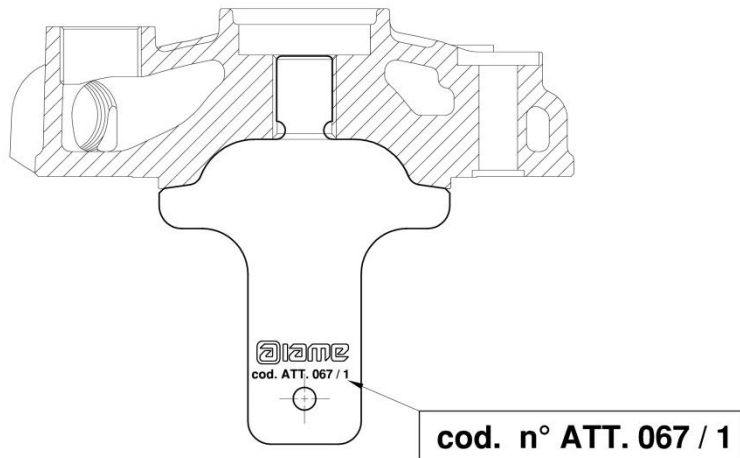


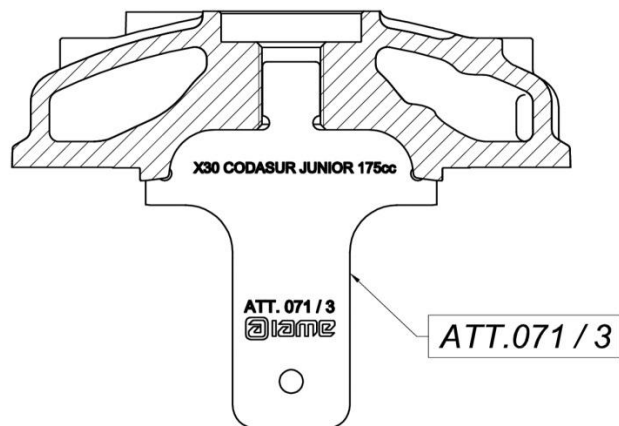
PHOTO OF EXHAUST MANIFOLD JUNIOR WITH IAME MARKING
PHOTO DU RACCORD D'ÉCHAPPEMENT JUNIOR AVEC MARQUAGE "IAME"



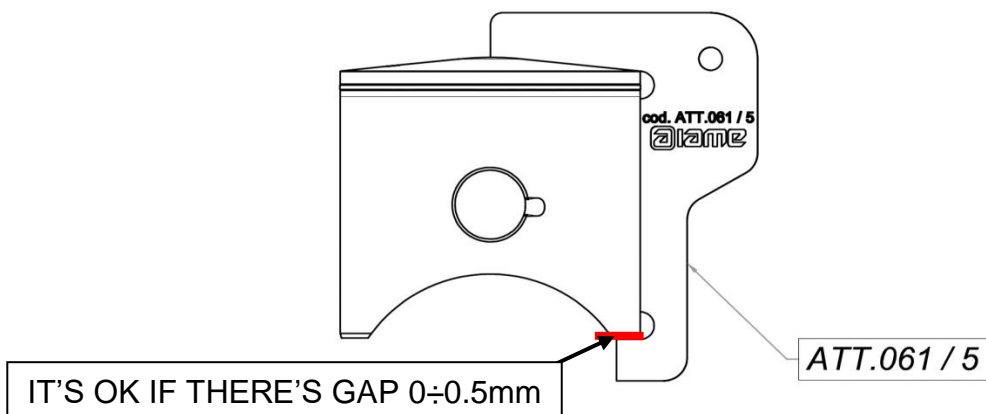
CHECKING THE SHAPE OF THE COMBUSTION CHAMBER - SENIOR
CONTRÔLE DE LA FORME DE LA CHAMBRE DE COMBUSTION - SENIOR



CHECKING THE SHAPE OF THE COMBUSTION CHAMBER - JUNIOR
CONTRÔLE DE LA FORME DE LA CHAMBRE DE COMBUSTION - JUNIOR

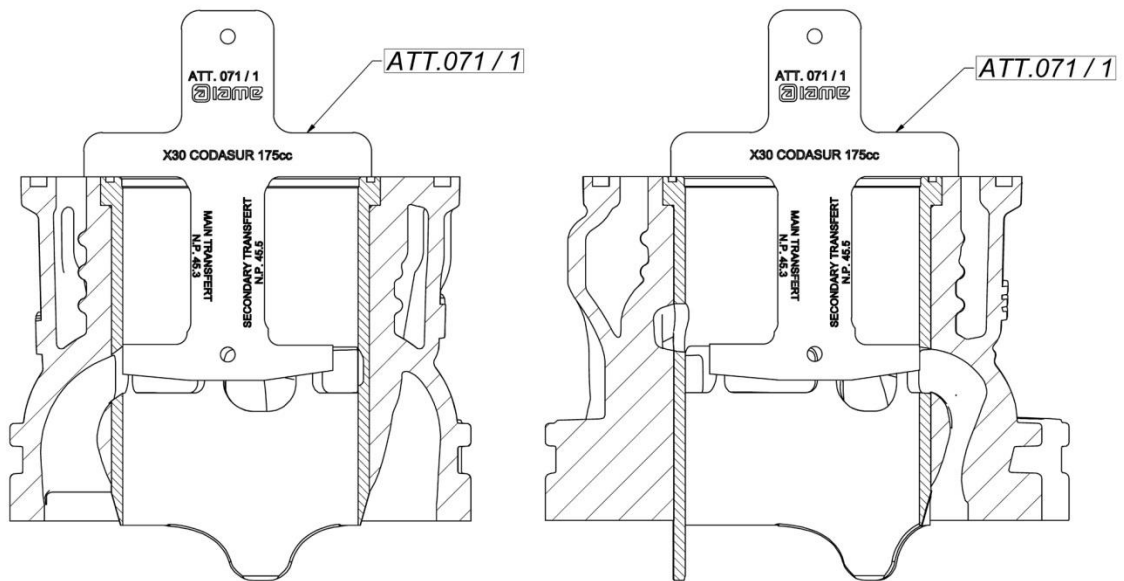


CONTROL OF THE PISTON DOME AND HEIGHT
CONTRÔLE DU DÔME DE PISTON ET HAUTEUR

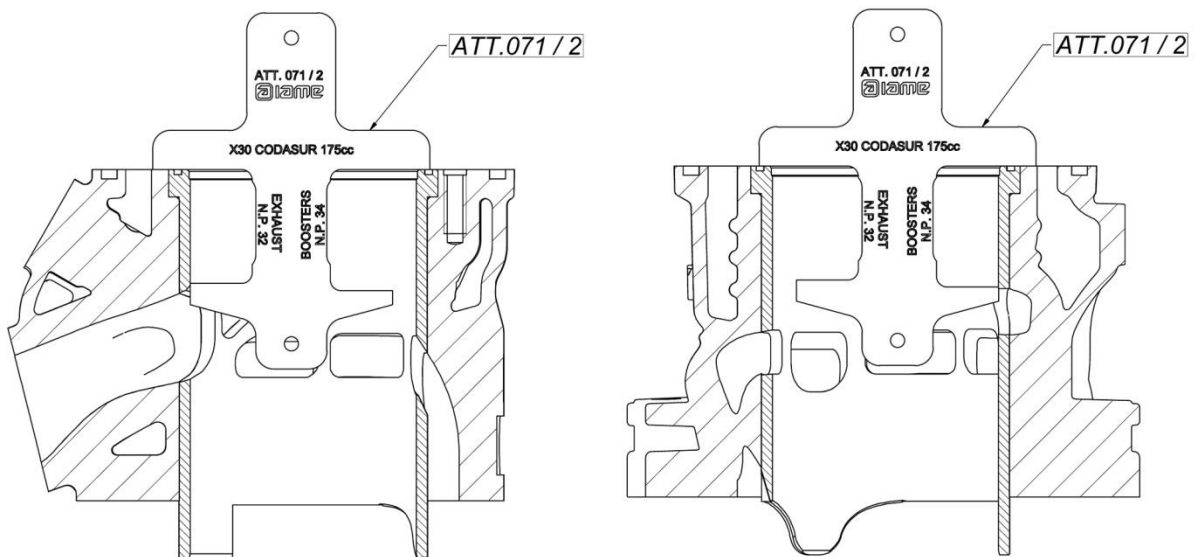


CYLINDER CHECK - CONTRÔLE DU CYLINDRE

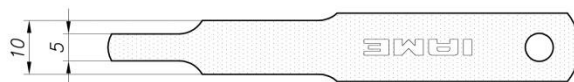
CHECK OF MAIN TRANSFERTS AND SECONDARY TRANSFERS CONTRÔLE DE HAUTEUR DES TRANSFERT PRINCIPAUX ET SECONDAIRES



CHECK OF EXHAUST DUCT AND BOOSTERS CONTRÔLE DE HAUTEUR DE LA LUMIÈRE D'ÉCHAPPEMENT ET DES BOOSTERS



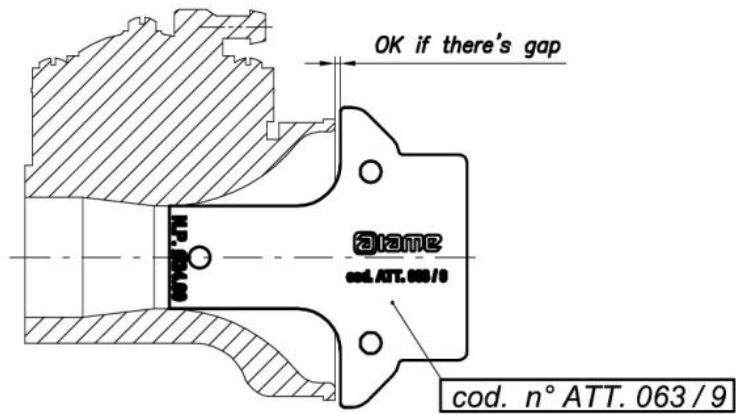
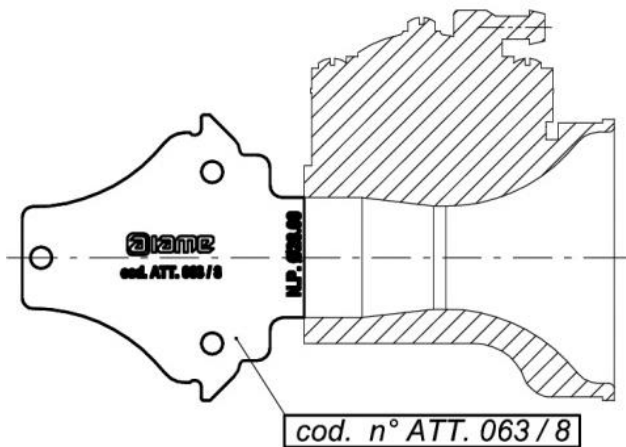
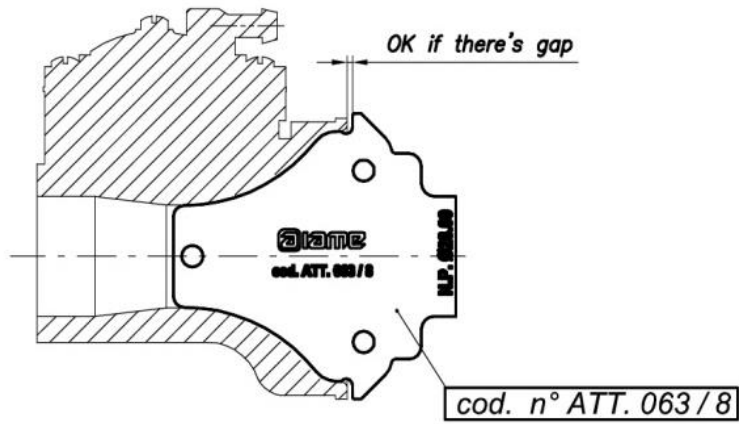
TOOL IAME Cod. 10194





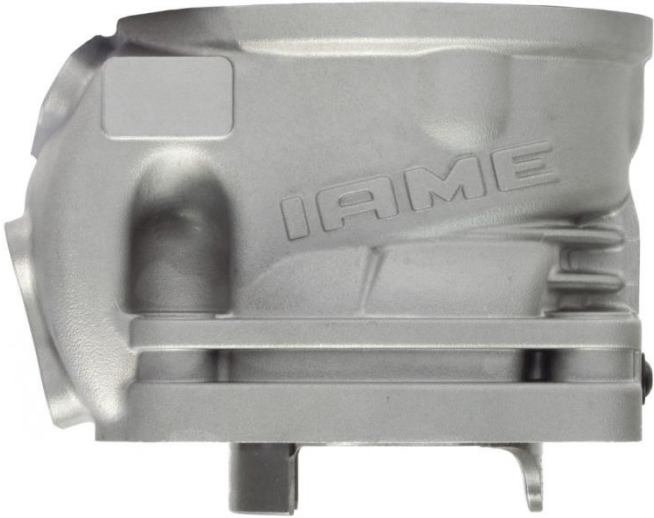

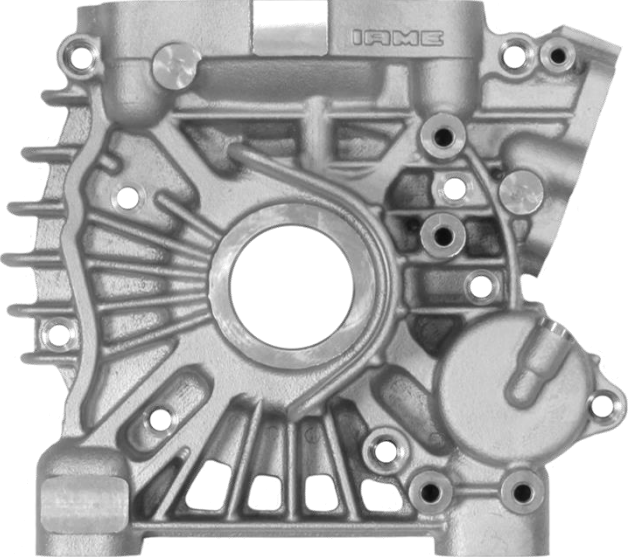

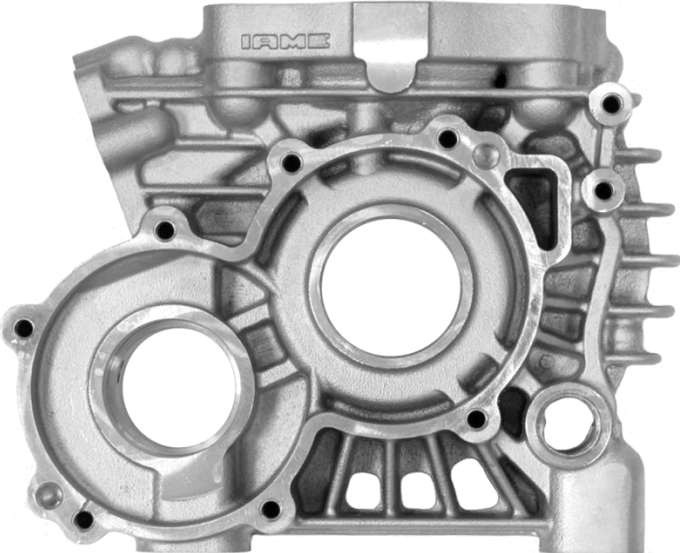

- CARBURETTOR TILLOTSON HW-22B -

VENTURI SHAPE CONTROL, VENTURI AND OUTLET DIAMETRE NO GO GAUGE

CONTROLE FORME DU VENTURI. CALIBRE DE CONTROLE NE PASS PAS, DANS LE CONDUITE ARRIERE ET DANS LE DIAMETRE DU VENTURI

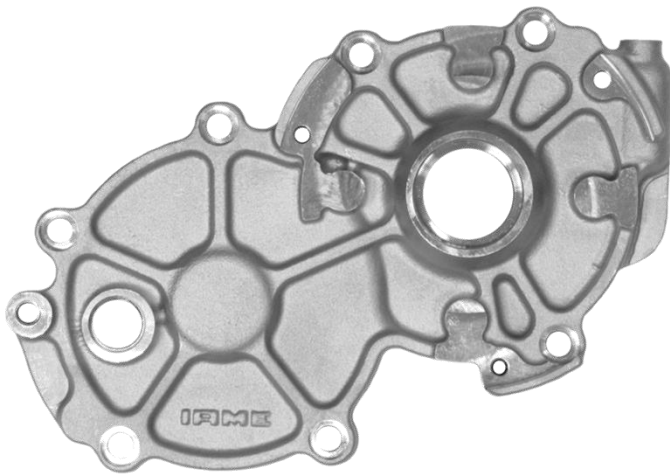


COMPONENTS WITH ALTERNATIVE NEW LOGO "IAME"
COMPOSANTS AVEC NOUVEAU LOGO ALTERNATIF "IAME"

<p align="center">CYLINDER HEAD CULASSE</p>  <p align="center">NEW / NOUVEAU LOGO</p> 	<p align="center">CYLINDER CILINDRE</p>  <p align="center">NEW / NOUVEAU LOGO</p> 
<p align="center">SEMICARTER TRANSMISSION SIDE SEMICARTER CÔTÉ PIGNON</p>  <p align="center">NEW / NOUVEAU LOGO</p> 	<p align="center">SEMICARTER IGNITION SIDE SEMICARTER CÔTÉ ALLUMAGE</p>  <p align="center">NEW / NOUVEAU LOGO</p> 

COMPONENTS WITH ALTERNATIVE NEW LOGO "IAME"
COMPOSANTS AVEC NOUVEAU LOGO ALTERNATIF "IAME"

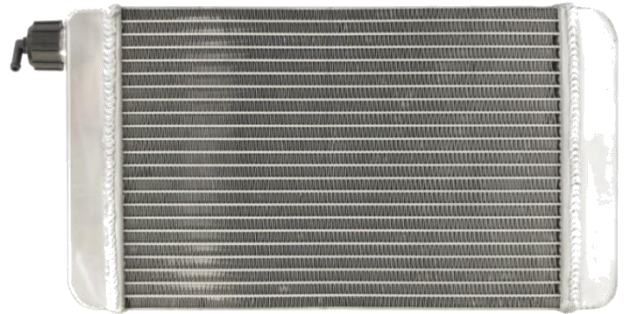
IGNITION COVER
 COUVERCLE DU ALLUMAGE



NEW / NOUVEAU LOGO



RADIATOR
 RADIATEUR



NEW / NOUVEAU LOGO



EXHAUST SILENCER
 ECHAPPEMENT



NEW / NOUVEAU LOGO



THE OTHERS COMPONENTS OF ENGINE THAT ARE MARKED (LASER OR PUNCHING) UNTIL TODAY WITH LOGO OR WRITTEN "IAME"

LES AUTRES COMPOSANTS DU MOTEUR AVEC MARQUAGE (LASER OU POINÇONNEUSE) AUJOURD'HUI AVEC LE LOGO OU ÉCRIT "IAME"

I A M E

or

IAME

NOW COULD BE MARKED WITH NEW LOGO "IAME"

MAINTENANT POURRAIT EST MARQUAGE AVEC NOUVEAU LOGO "IAME"

I a m e

or

ⓐ I a m e

or

ⓐ