

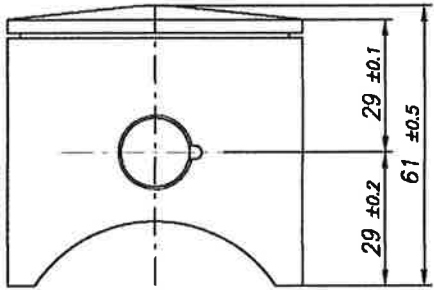
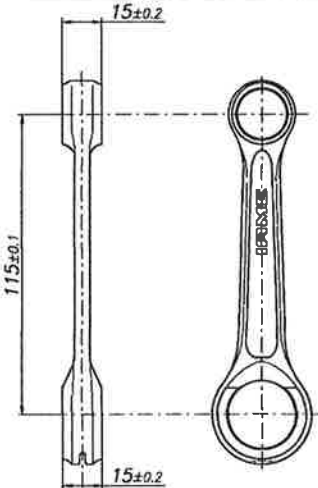


SUPER SHIFTER - 175cc - TaG

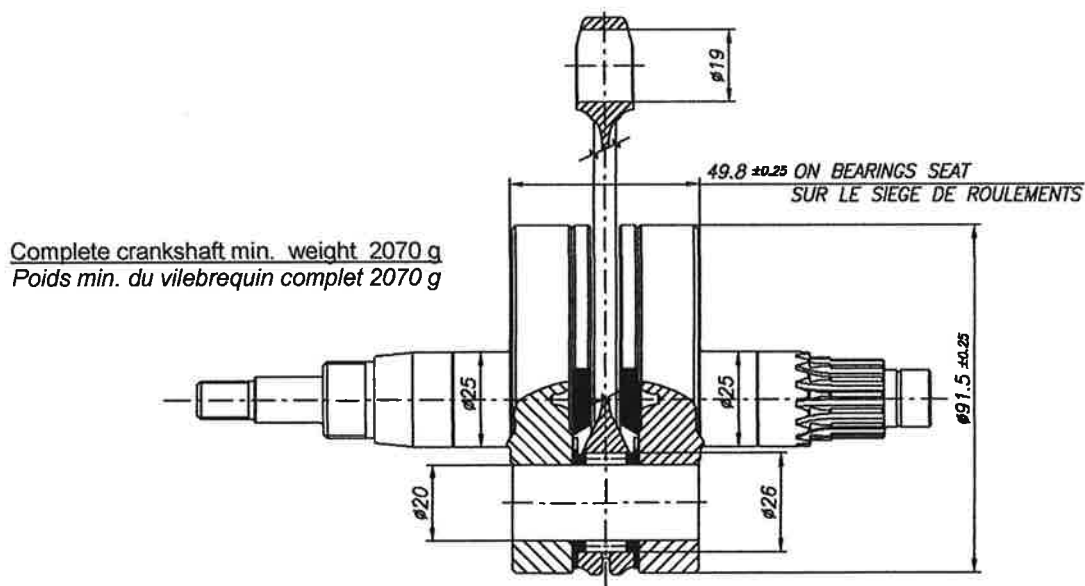


FEATURES - CARACTERISTIQUES

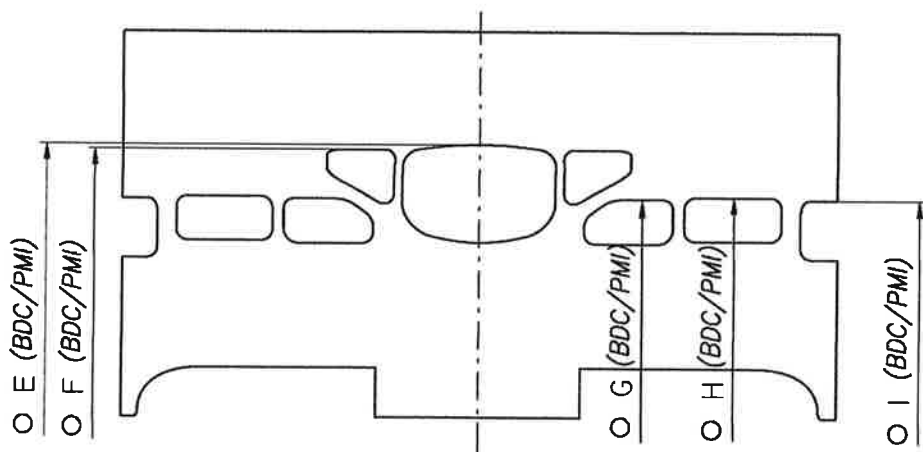
		Cylinder volume <i>Volume du cylindre</i>	174.56 cm ³ (Max 175.5 cm³)
		Bore <i>Alésage</i>	63.92 mm
		Max. theoretical bore <i>Alésage théorique max.</i>	64.06 mm
		Stroke <i>Course</i>	54.40 mm
		Distance between conrod centers <i>Longueur (entre axe) de la bielle</i>	115 mm
		Cooling system <i>Système de refroidissement</i>	Water <i>Eau</i>
		Inlet system <i>Système d'admission</i>	Reed valve <i>À clapets</i>
		Cylinder / crankcase transfers n° <i>N° de canaux cylindre / carter</i>	5 / 3
Carburetor <i>Carburateur</i>	Dell'Orto VHSB 36-RD	Inlet / exhaust ports number <i>N° lumières admiss. / échapp.</i>	5 / 3
Number of piston rings <i>Nombre de segments</i>	1	Combustion chamber shape <i>Forme chambre de combustion</i>	Spherical <i>Sphérique</i>
Big end conr. bearing diam. <i>Diamètre palier tête de bielle</i>	20x26x15	Selettra ignition <i>Allumage Selettra</i>	Digital "K"
Crankshaft bearing diam. <i>Diamètre palier du vilebrequin</i>	25x52x15 (2Pc.) 15x35x11 (1Pc.)	Generator for battery charging <i>Générateur de recharge batterie</i>	Yes <i>Oui</i>
Small end conr. bearing diam. <i>Diamètre palier pied de bielle</i>	15x19x20	Electric starter <i>Démarrreur électrique</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>	 Piston min. weight (ring incl.) 155 g Poids min. piston (avec segment) 155 g
Crankshaft material <i>Matériel du vilebrequin</i>	Steel <i>Acier</i>	
Gearbox shafts material <i>Matériel de l'arbres de boîte de vitesses</i>	Steel <i>Acier</i>	
Gears material <i>Matériel des engrenages</i>	Steel <i>Acier</i>	
Starter ring material <i>Matériel de la couronne démarr.</i>	Steel / Acier or / ou Aluminium	
Head material <i>Matériel de la culasse</i>	Aluminium	DISTANCE BETWEEN CONROD CENTERS ENTRE AXE DE LA BIELLE
Cylinder material <i>Matériel du cylindre</i>	Aluminium	 Min. Weight 112 g Poids min. 112 g
Liner material <i>Matériel de la chemise</i>	Iron <i>Fonte</i>	
Crankcase material <i>Matériel du carter</i>	Aluminium	
Piston material <i>Matériel du piston</i>	Aluminium	
Piston rings material <i>Matériel des segments</i>	Iron <i>Fonte</i>	
Exhaust muffler material <i>Matériel du pot d'échappement</i>	Sheet-steel <i>Tôle acier</i>	

CRANKSHAFT – VILEBREQUIN



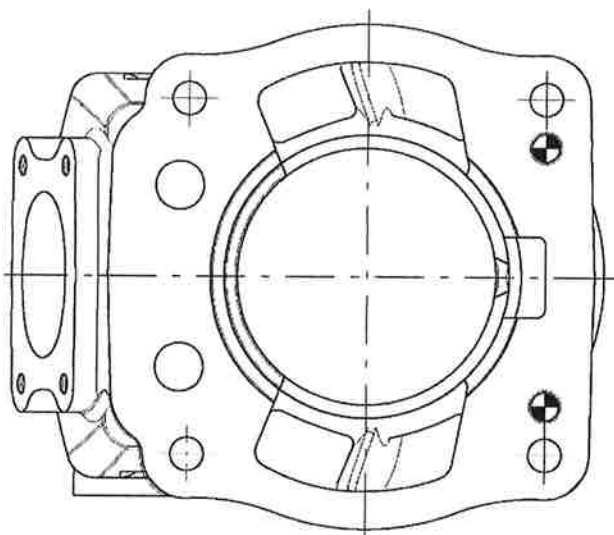
CYLINDER DEVELOPMENT - DEVELOPPEMENT DU CYLINDRE



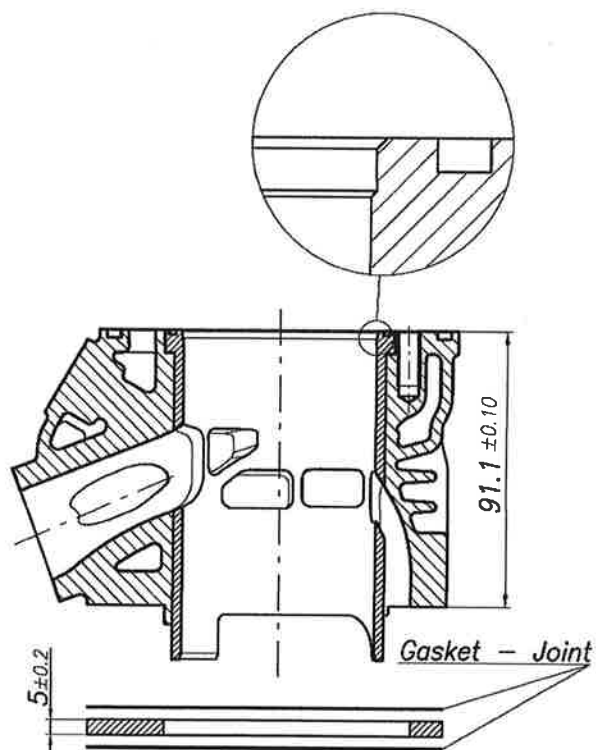
E	195° ± 2°
F	189° ± 2°
G	122.5° ± 2°
H	125.5° ± 2°
I	121° ± 3°

○ ANGULAR READING BY INSERTING A 0.2x5mm GAUGE
LECTURE ANGULAIRE PAR INSERTION D'UNE CALE DE 0.2x5mm

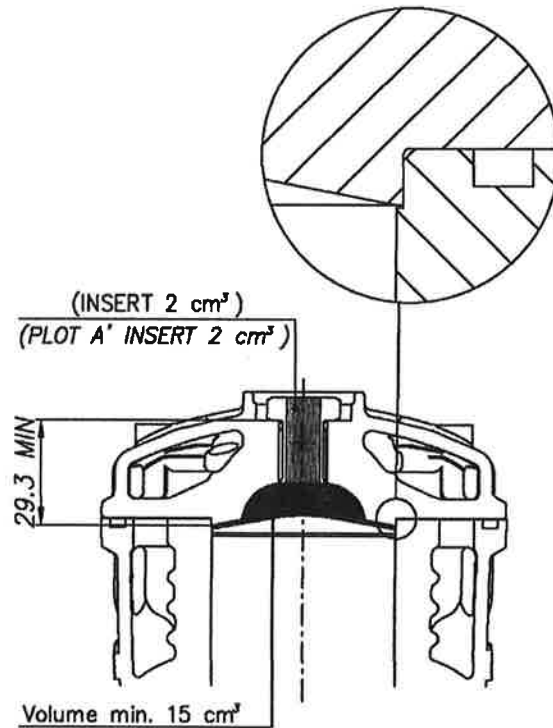
CYLINDER BASE VIEW
VUE DE LA BASE DU CYLINDRE



CYLINDER CROSS SECTION VIEW
VUE EN SECTION DU CYLINDRE



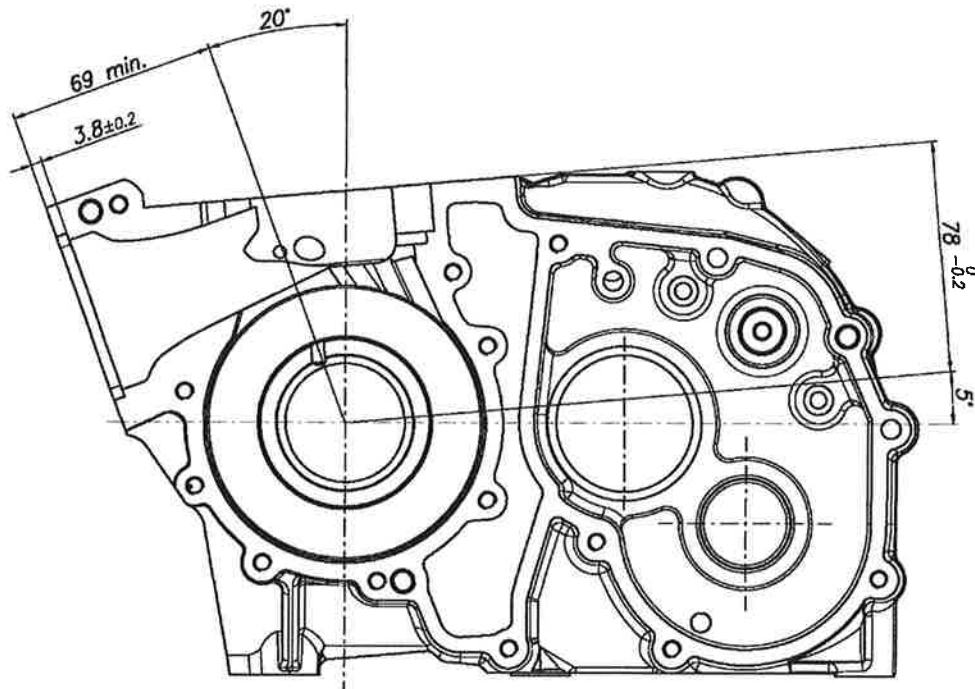
COMBUSTION CHAMBER VIEW
VUE DE LA CHAMBRE DE COMPRESSION



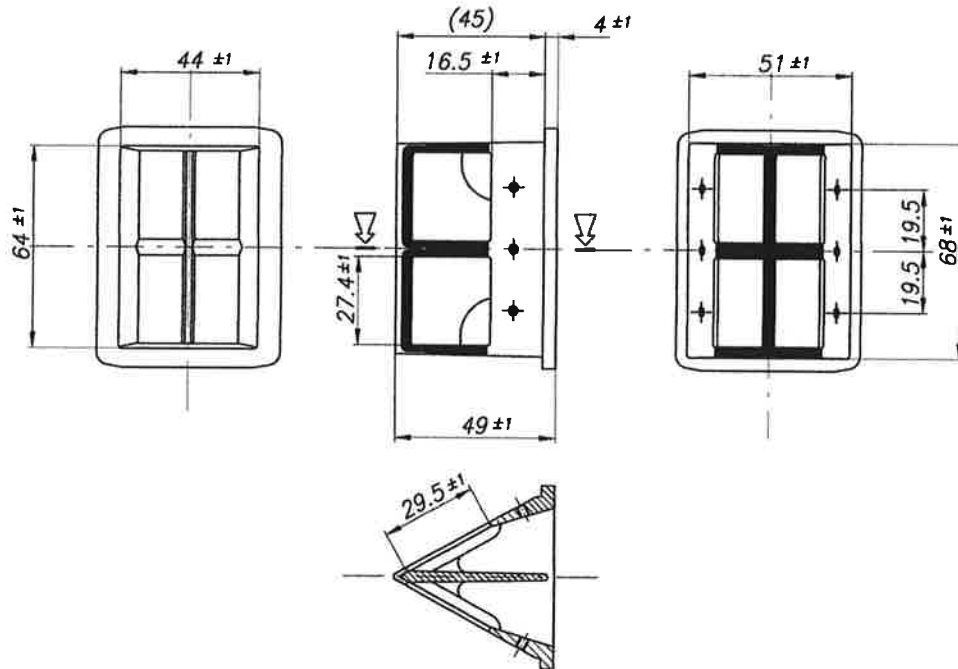
COMBUSTION CHAMBER VOLUME TOT. = 17 cm³ min.
VOLUME CHAMBRE COMBUSTION TOT. = 17 cm³ min.

SQUISH MIN. = 1 mm
(measured with Ø1.5mm TIN - mesurée avec de l'étain Ø1.5mm)

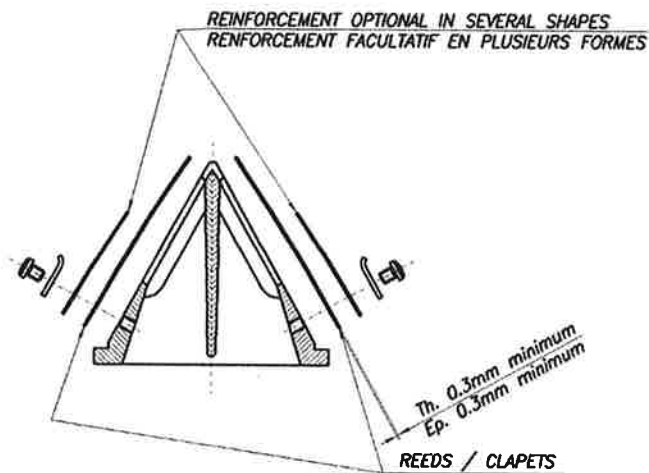
CRANKCASE INSIDE VIEW
VUE A' L' INTERIEUR DU CARTER



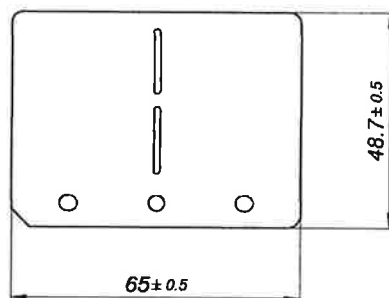
REED VALVE BOÎTE À CLAPETS



ASSEMBLY OF REED VALVE DESSIN D'ENSEMBLE DE LA BOÎTE À CLAPETS



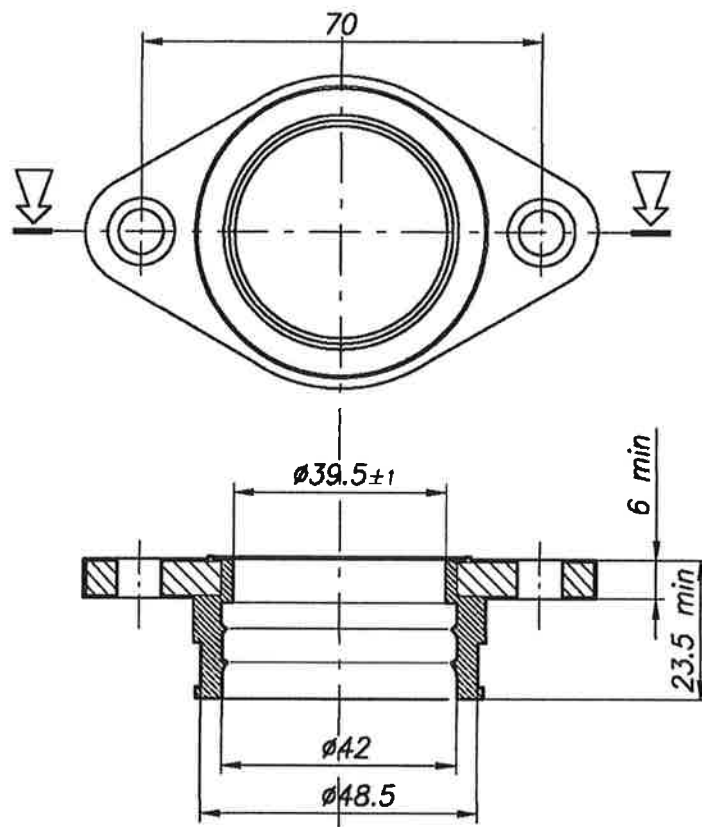
REEDS / CLAPETS



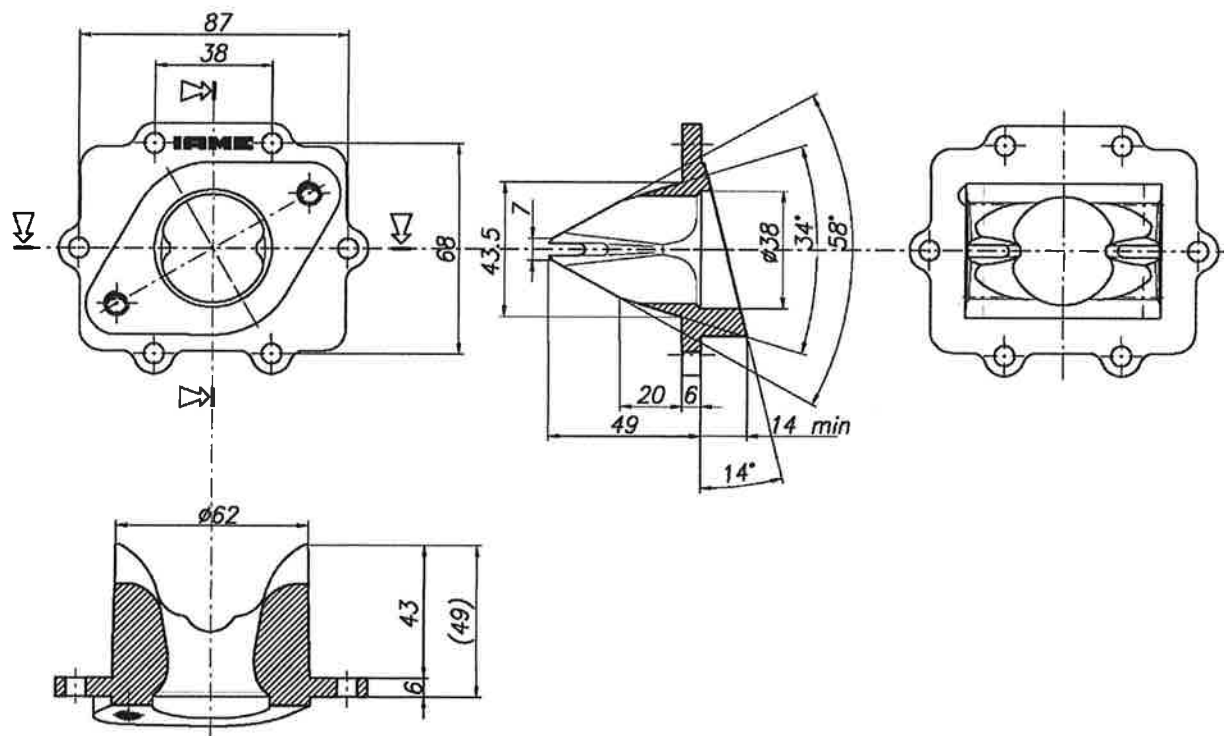
N.B.: ONLY REED "IAME" GENUINE CARBON FIBER ARE PERMITTED.

N.B. : SEULS LES CLAPETS D'ORIGINE "IAME" EN FIBRE DE CARBONE SONT AUTORISES.

CARBURETOR FITTING RUBBER
RACCORD DU CARBURATEUR EN CAOUTCHOUC



REED VALVE COVER
COUVERCLE DE LA BOÎTE A CLAPETS

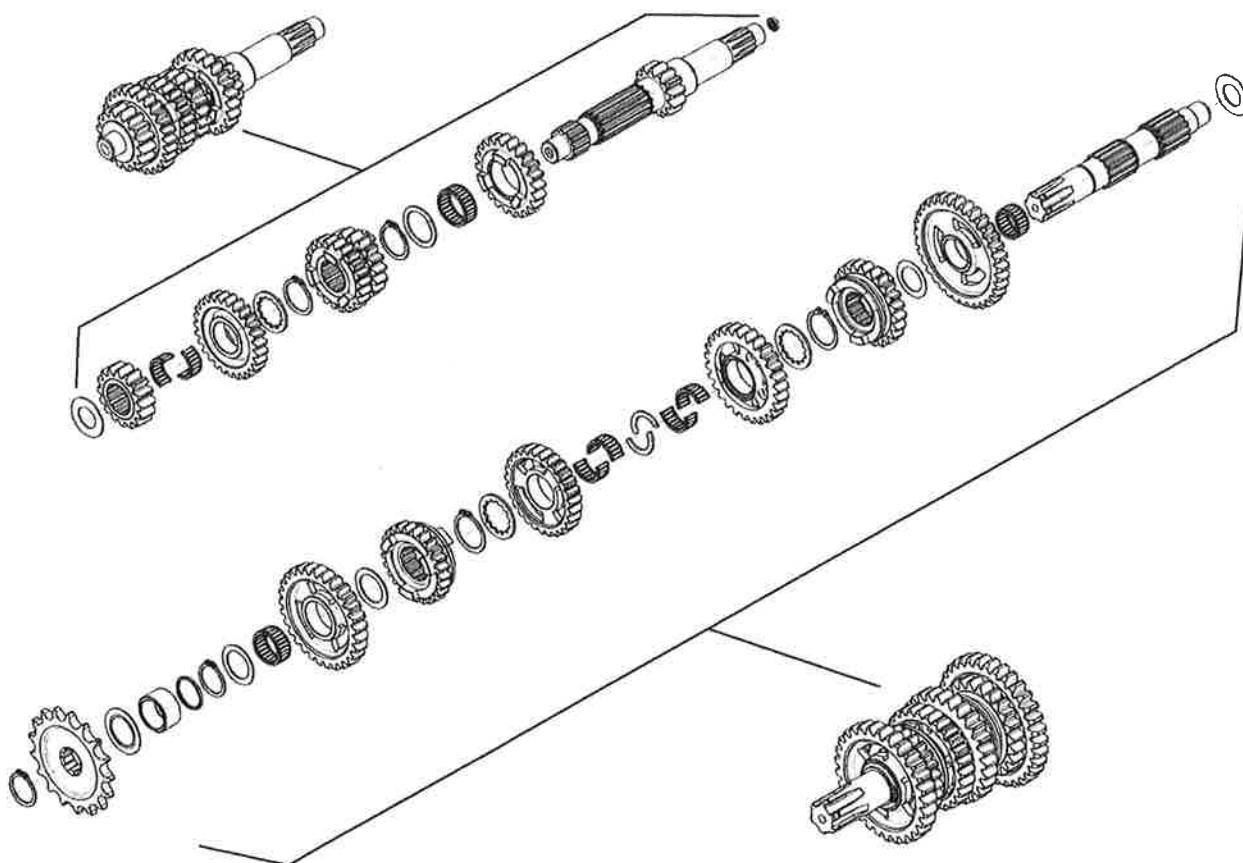


GEARBOX - BOÎTE DE VITESSES

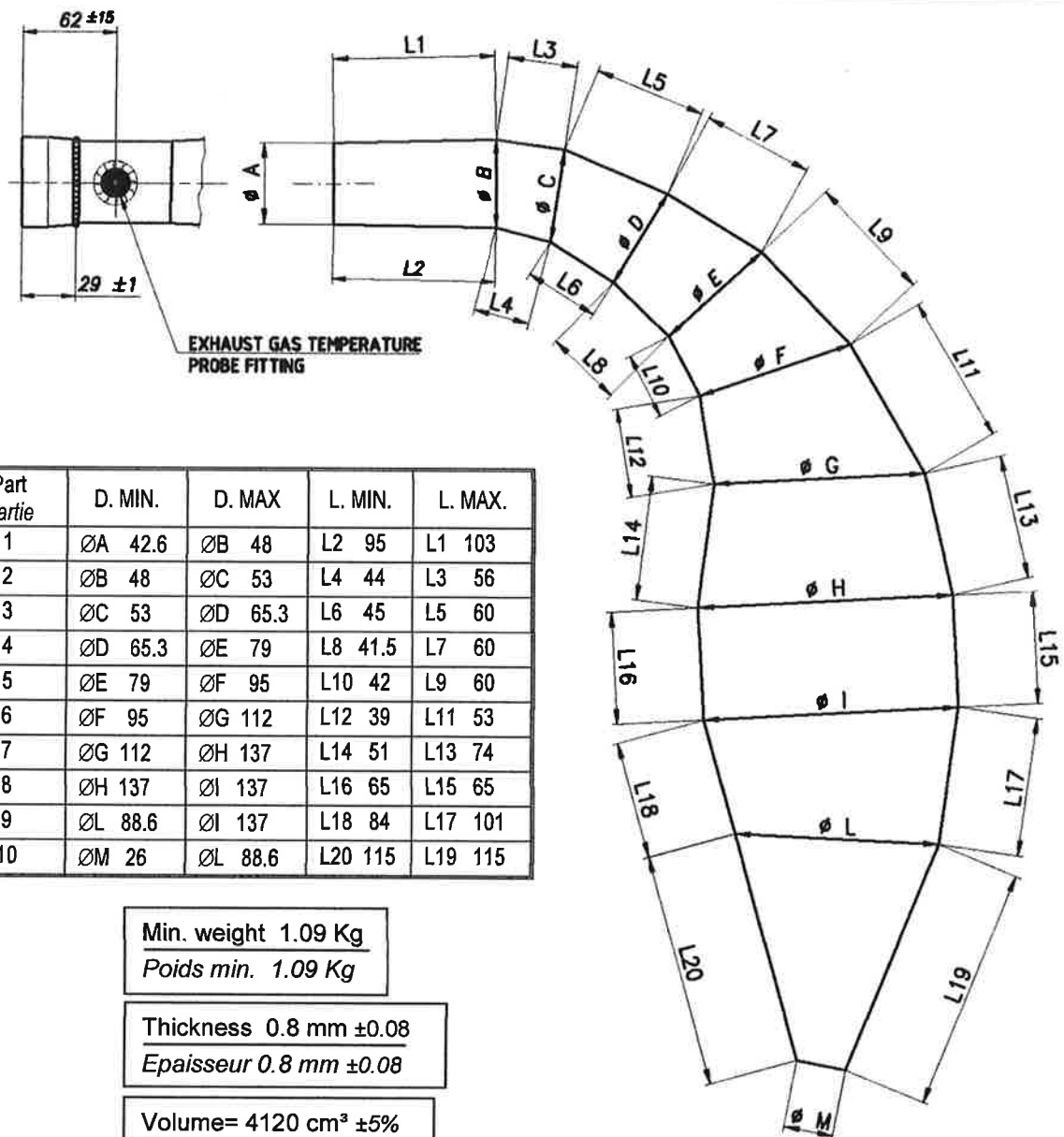
Primary coupling - Couple primaire 19 / 75

Gearbox ratios		Rapports de boîte de vitesses	
Gear - Vitesse	Primary shaft Arbre primaire	Secondary shaft Arbre secondaire	Reading of values obtained after three engine revs Relevé des valeurs obtenues après trois tours moteur
1 st / 1 ^{ère}	<u>13</u>	<u>33</u>	<u>107.78°</u>
2 nd / 2 ^e	<u>16</u>	<u>29</u>	<u>150.95°</u>
3 rd / 3 ^e	<u>18</u>	<u>27</u>	<u>182.40°</u>
4 th / 4 ^e	<u>22</u>	<u>27</u>	<u>222.93°</u>
5 th / 5 ^e	<u>22</u>	<u>23</u>	<u>261.70°</u>
6 th / 6 ^e	<u>27</u>	<u>25</u>	<u>295.49°</u>

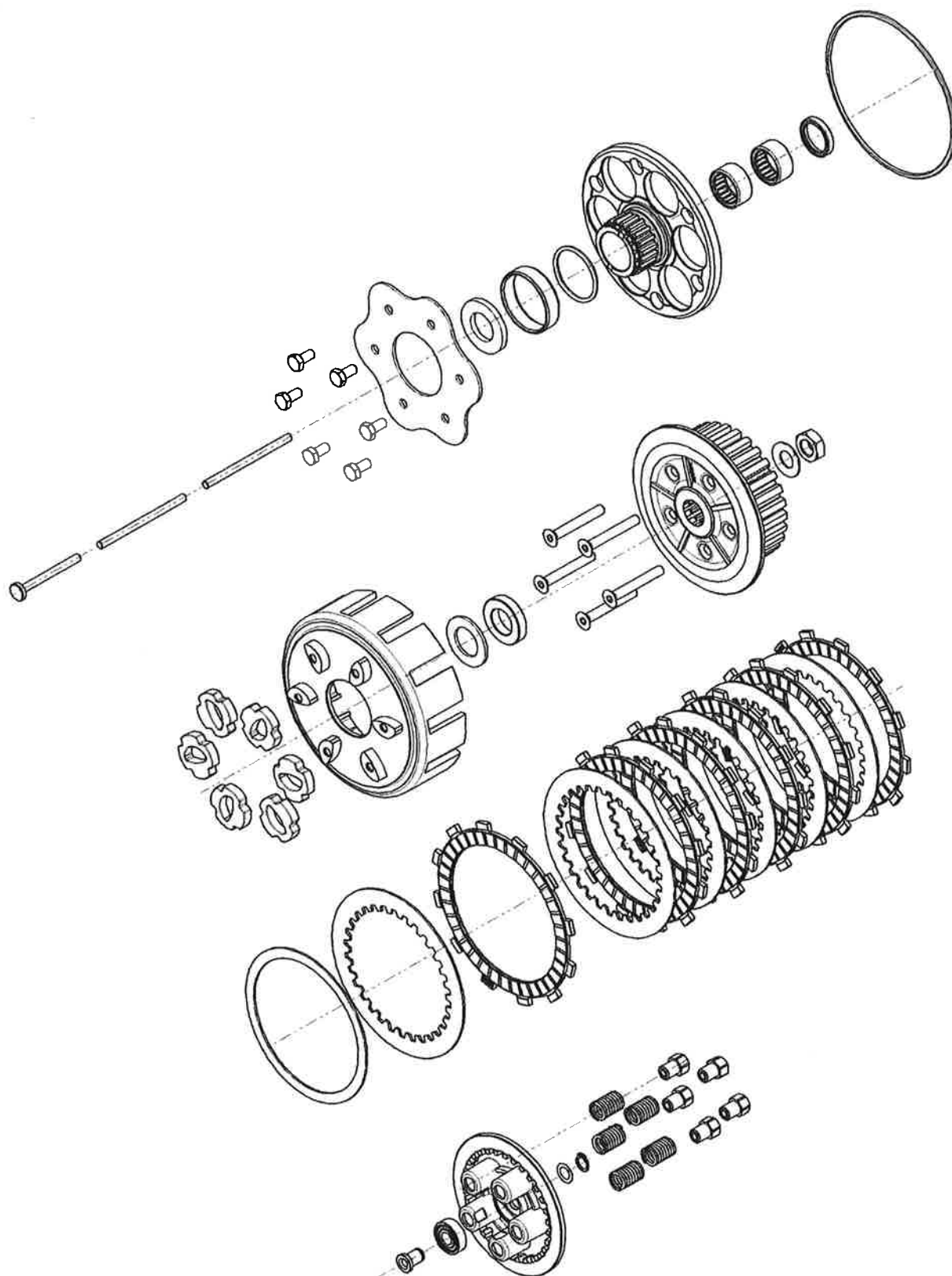
EXPLODED DRAWING OF THE GEARS, MAINSHAFT AND SECONDARY SHAFT DESSIN EXPLODÉ DES ENGRANAGES, ARBRE PRIMAIRE ET ARBRE SECONDAIRE



EXHAUST VIEW, PHOTO AND DIMENSIONS
VUE, PHOTO ET DIMENSIONS DE L'ÉCHAPPEMENT

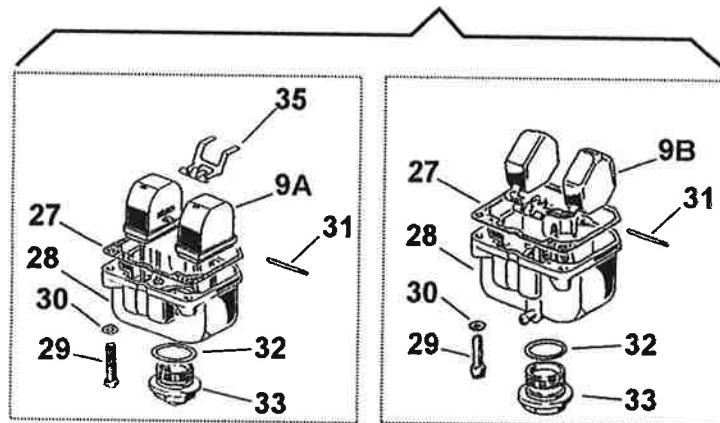
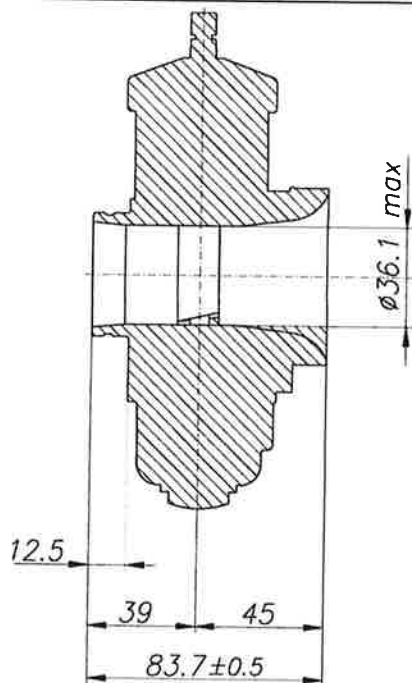
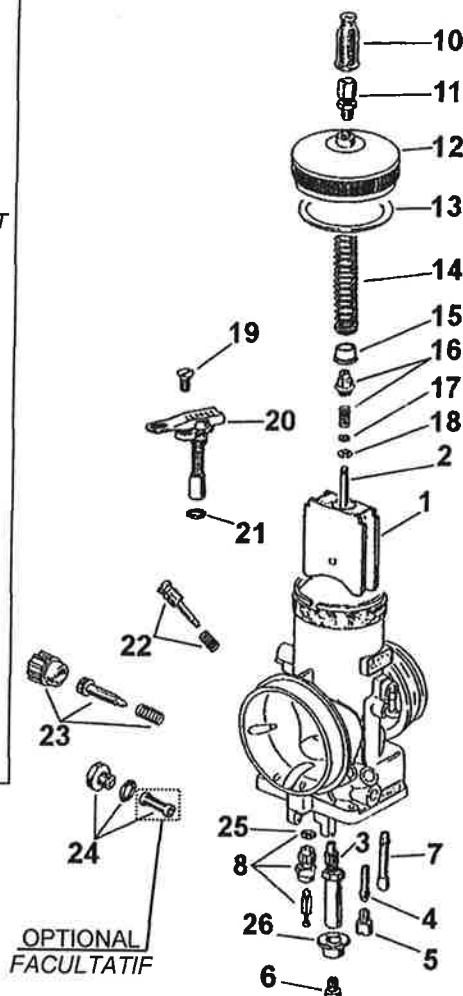


EXPLODED DRAWING OF THE CLUTCH ASSEMBLY
 DESSIN EXPLOSE DE L'EMBRAYAGE COMPLETE

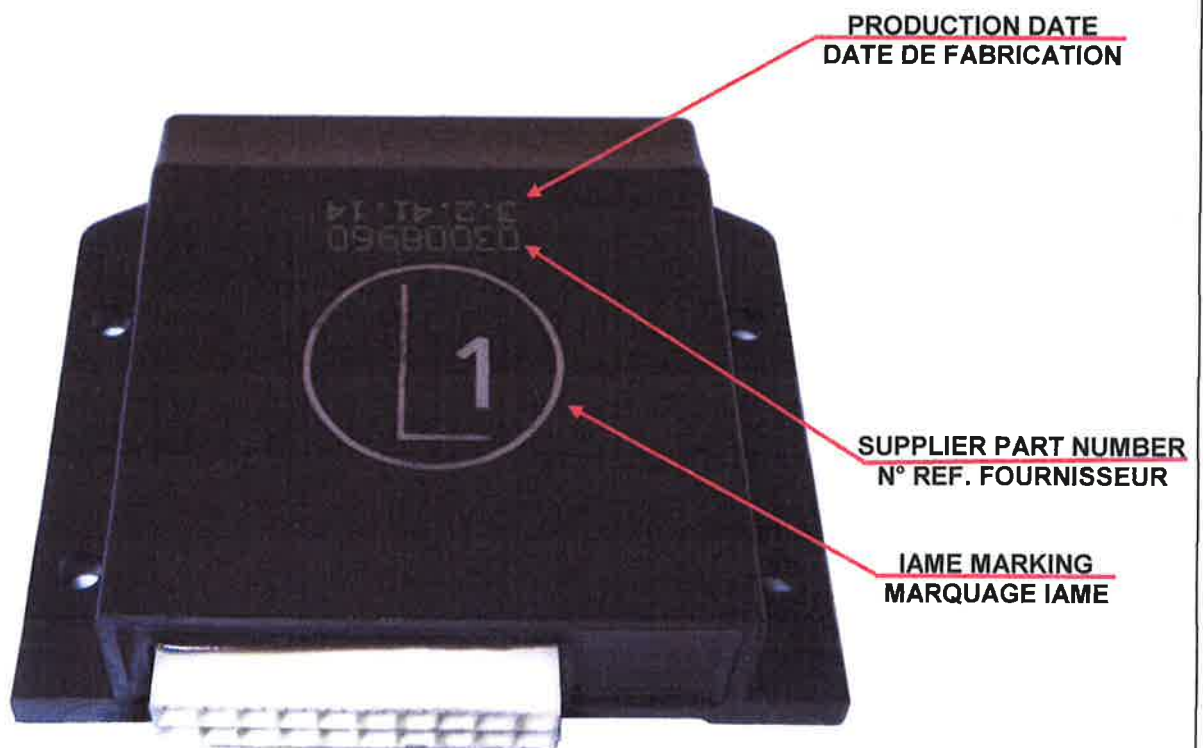


EXPLODED DRAWING AND VENTURI CARB. "DELLORTO VHSB 36-RD" DIMENSIONS DESSIN EXPLOSÉ ET DIMENSIONS DU VENTURI DU CAR. "DELLORTO VHSB 36-RD"

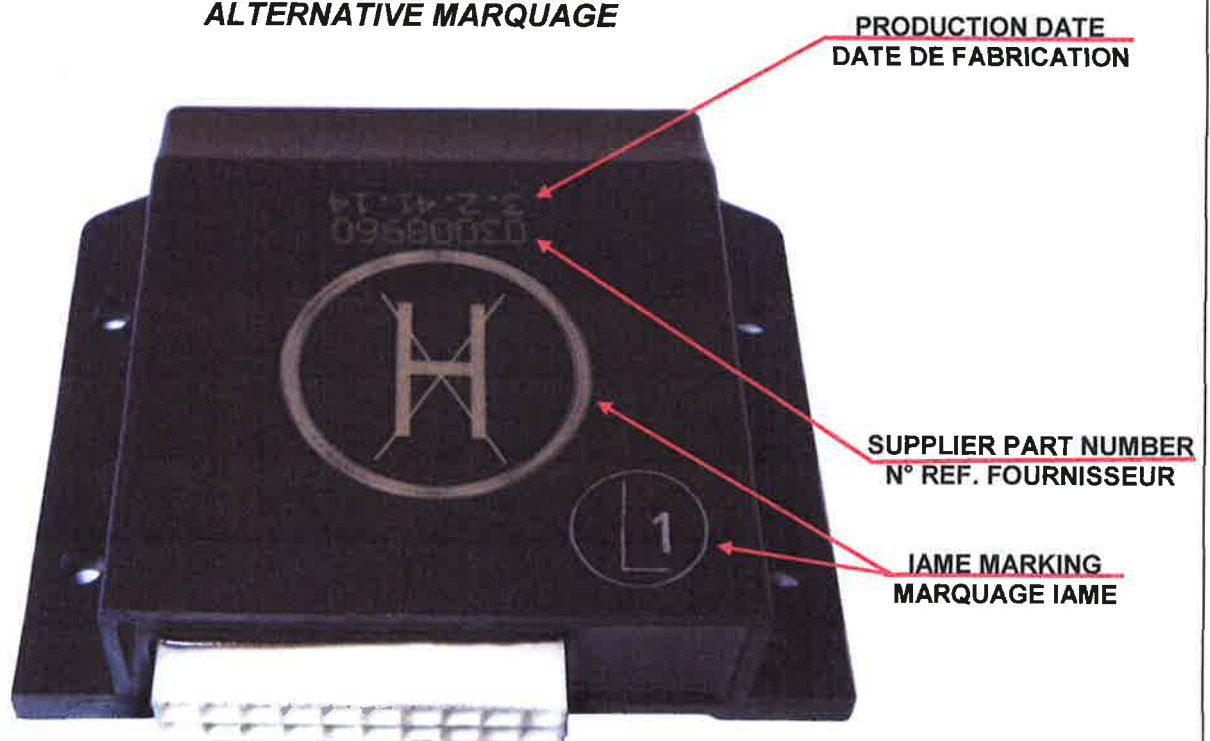
1. Throttle Valve - SOUPAPE GAZ
2. Conical Needle - AIGUILLE CONIQUE
3. Sprayer - PULVERISATEUR
4. Minimum Emulsifier - EMULSIONNEUR
5. L. Jet - GICLEUR MIN.
6. H Jet - GICLEUR MAX.
7. Starter Jet - GICLEUR DEMARREUR
8. Needle Valve - POINTEAU
- 9A. Single Floating - FLOTTEUR INDEPENDANT
- 9B. Coupled Floating - PAIRE DE FLOTTEUR
10. Cap - BOUCHON
11. Screw Adjuster - VIS REGLAGE
12. Cover Mixing Chamber - COUVERCLE CHAMBRE DE MELANGE
13. Cover Gasket - JOINT COUVERCLE
14. Throttle Return Spring - RESSORT RETOUR SOUPAPE
15. Bottom Spring Guide - CULOT
16. Nipple Throttle Valve + Spring - RACCORD ROBINET GAZ + RESSORT
17. Washer - RONDELLE
18. Clip Needle - FERMOIR POINTEAU
19. Start Fixing Screw - VIS FIXATION DISPOSITIF DEMARRAGE
20. Starter Device - DISPOSITIF DEMARRAGE
21. Starter Device Seal - JOINT DISP. DEMARRAGE
22. Idle Mixture Screw - VIS MELANGE MINIMUM
23. Kit Throttle Adjusting Screw - KIT VIS REGLAGE SOUPAPE
24. Kit Fuel Filter - KIT FILTRE CARBURANT
25. Needle Valve Seal - JOINT POINTEAU
26. Bottom - CULOT
27. Gasket - JOINT
28. Float Chamber - CUVETTE
29. Fixing Screw Float Chamber - VIS FIXATION CUVETTE
30. Spring Washer - RONDELLE RESSORT
31. Pin Float - AXE DE FLOTTEUR
32. Tank Cap Seal - JOINT BOUCHON CUVETTE
33. Float Chamber Plug - BOUCHON CUVETTE
35. Rocker Float - BALANCIER FLOTTEUR



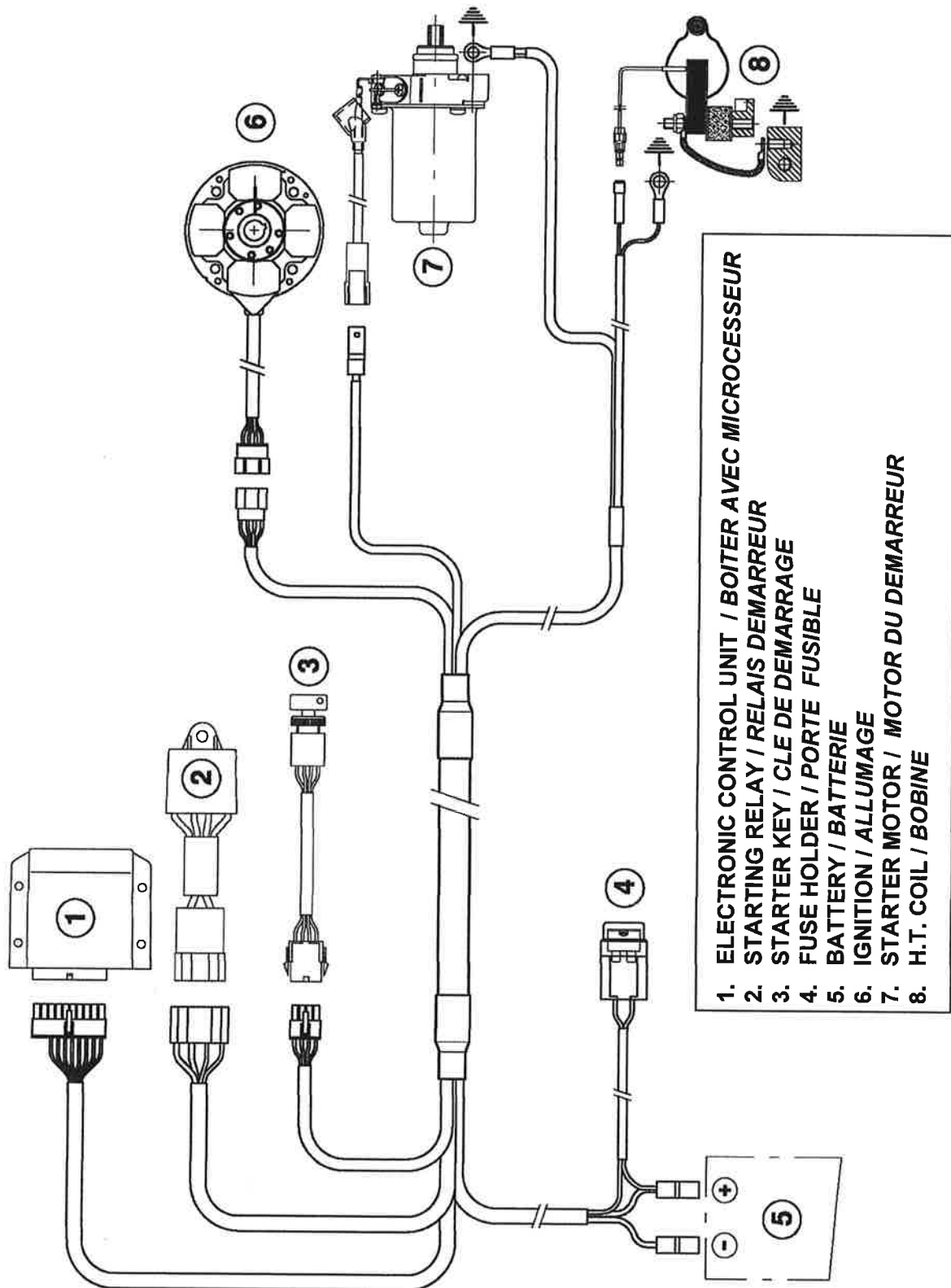
SELETTRA - ELECTRONIC BOX MARKING
SELETTRA - MARQUAGE DU BOITIER ELECTRONIQUE



ALTERNATIVE MARKING
ALTERNATIVE MARQUAGE



WIRING DIAGRAM (SELETTRA DIGITAL "K" IGNITION)
SCHEMA CIRCUIT ELECTRIQUE (ALLUMAGE SELETTRA DIGITAL "K")



SELECTOR COVER IDENTIFICATION
IDENTIFICATION DU COUVERCLE SELECTEUR

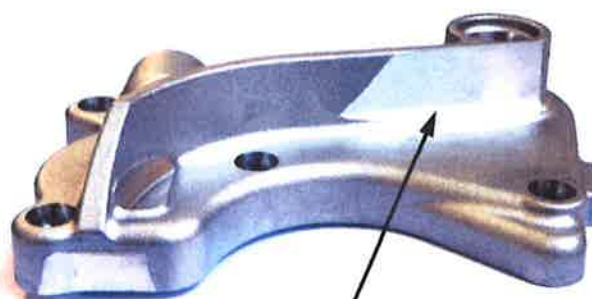
Old version
Vieille version



New version
Nouvelle version

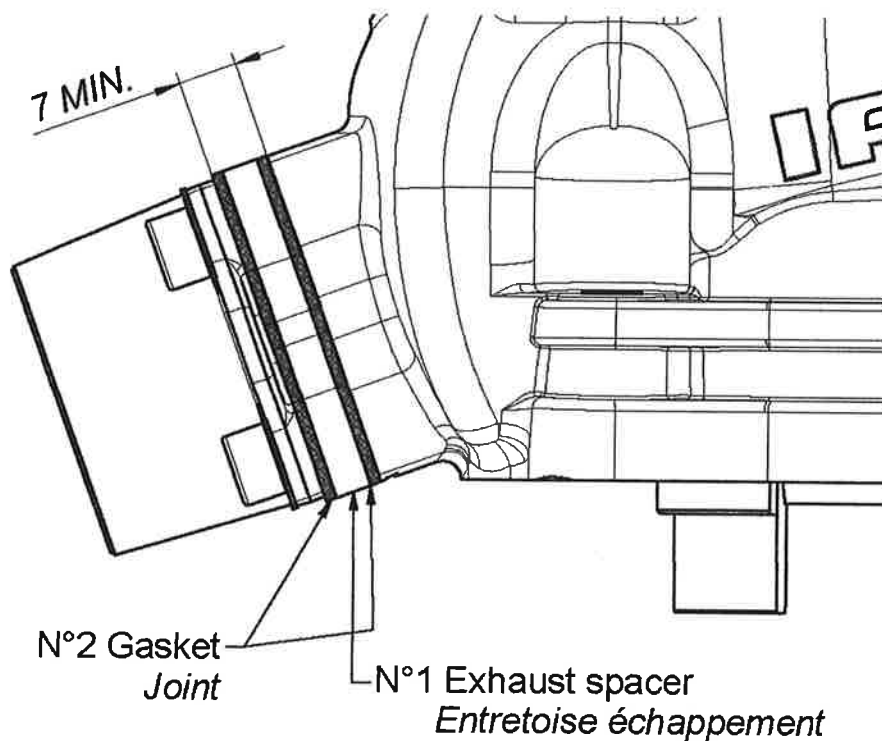


ADDITIONAL CNC Machined
SUPPLÉMENTAIRES Usiné CNC

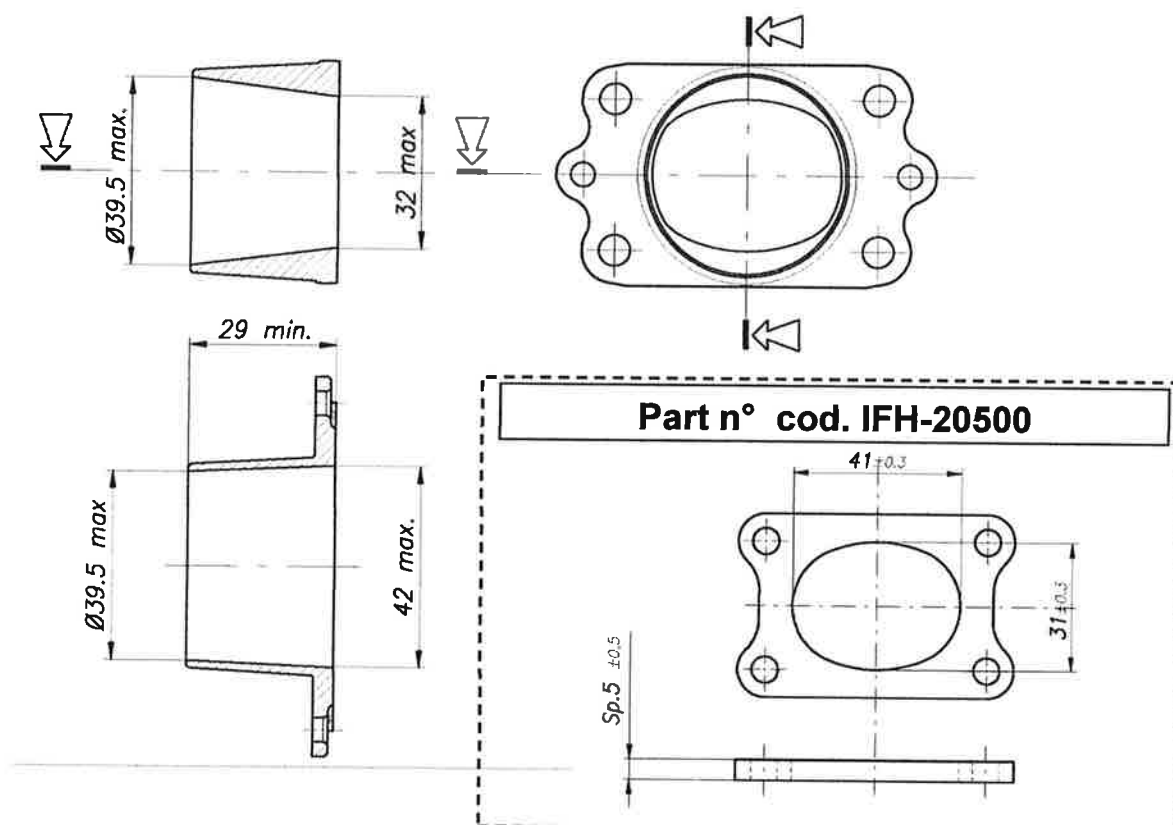


ADDITIONAL CNC Machined
SUPPLÉMENTAIRES Usiné CNC

MINIMUM DISTANCE BETWEEN EXHAUST MANIFOLD AND CYLINDER
DISTANCE MINIMALE ENTRE RACCORD D'ÉCHAPPEMENT ET CYLINDRE



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



NEW 5th PORT – ADMISSION IDENTIFICATION
 IDENTIFICATION DU NOUVEAU 5^e LUMIERE

VIEW FROM "A"
VEU DEPUIS "A"



VIEW FROM "B"
VEU DEPUIS "B"

OLD VERSION
VIEILLE VERSION

NEW VERSION
NOUVELLE VERSION

VIEW FROM "A" - VEU DEPUIS "A"

VIEW FROM "A" - VEU DEPUIS "A"



VIEW FROM "B" - VEU DEPUIS "B"

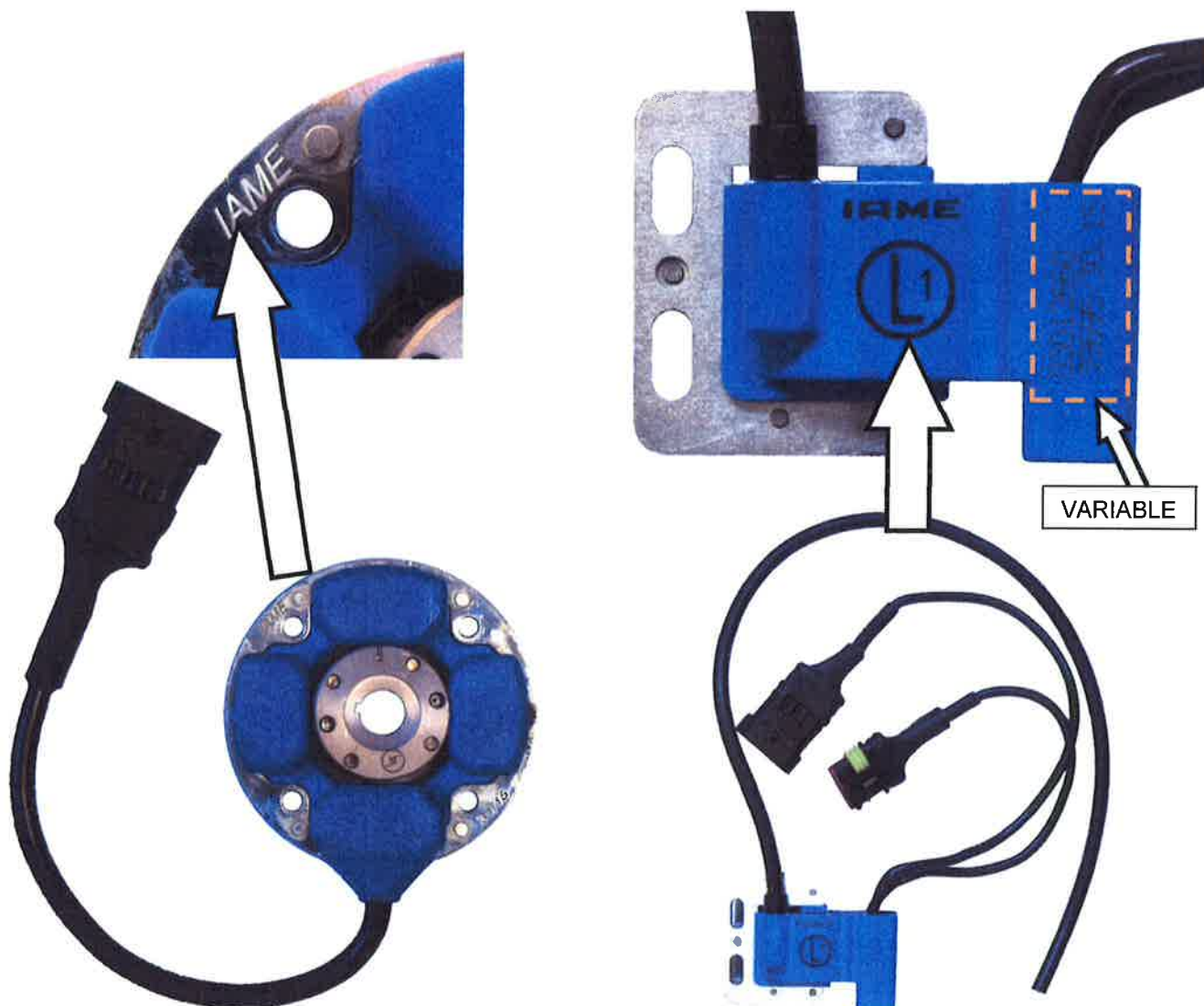
VIEW FROM "B" - VEU DEPUIS "B"



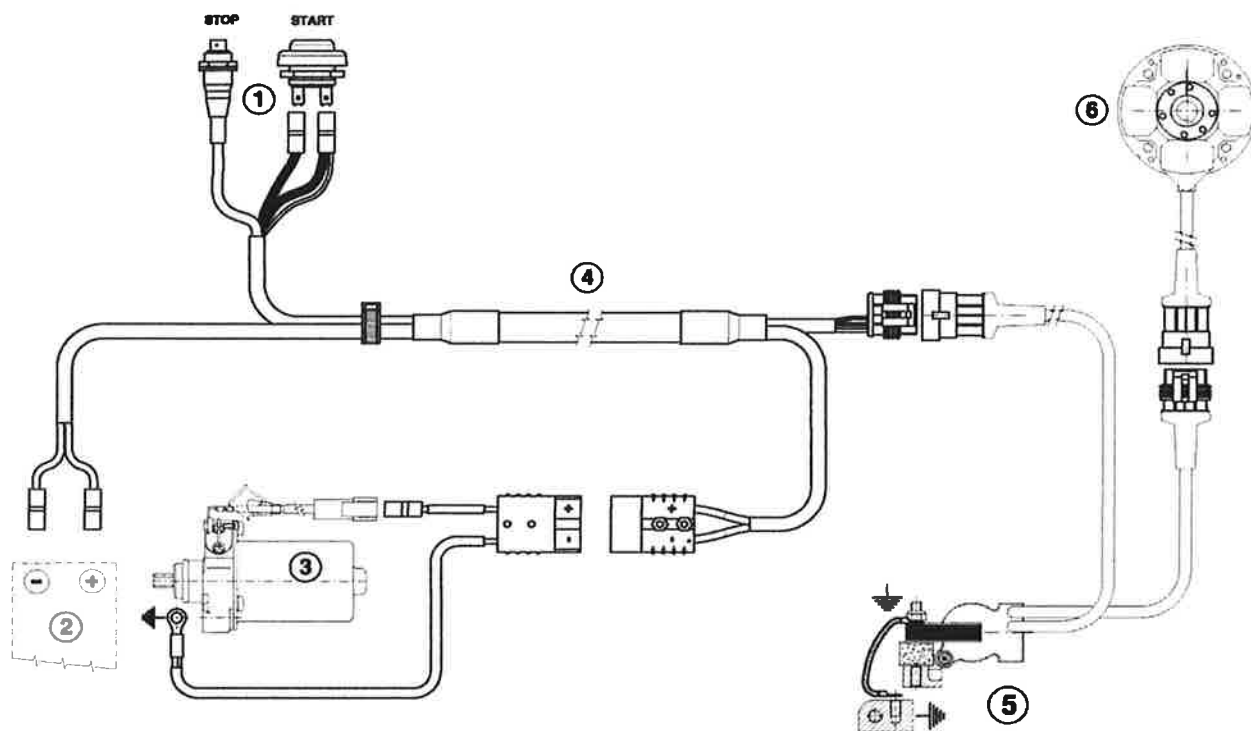
PHOTO COMPLETE ALTERNATIVE WIRING LOOM
 PHOTO DU CABLAGE ELECTRONIQUE COMPLET



PHOTO OF SELETTRA ALTERNATIVE DIGITAL "S" IGNITION, WITH IAME MARKING
 PHOTO DU SELETTRA DIGITAL "S" ALLUMAGE, AVEC MARQUAGE IAME



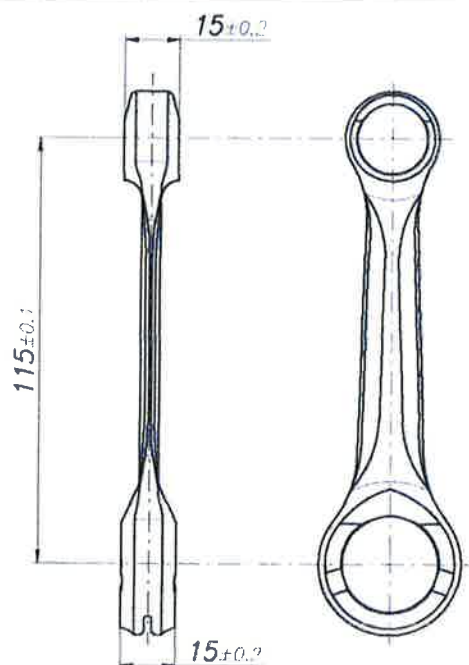
WIRING DIAGRAM (SELETTRA DIGITAL "S" IGNITION)
SCHEMA CIRCUIT ELECTRIQUE (ALLUMAGE SELETTRA DIGITAL "S")



- | | |
|----------|--|
| 1 | - Push buttons Start & Stop / Bouton poussoir du démarreur |
| 2 | - Battery / Batterie |
| 3 | - Starter / Démarreur |
| 4 | - Wiring cable / Cablage électrique |
| 5 | - H.T. coil and Electronic Control Unit
/ Bobine A.T. et boîtier avec microprocesseur |
| 6 | - Ignition / Allumage |

ALTERNATIVE CONROD IDENTIFICATION
IDENTIFICATION DU BIELLE ALTERNATIVE

DISTANCE BETWEEN CONROD CENTERS
ENTRE AXE DE LA BIELLE



Min. weight 119 g
Poids min. 119 g

PHOTO IDENTIFICATION
IDENTIFICATION PHOTO



Current PRESELECTOR CONTROL SHAFT
Actuelle ARBRE COMMANDE PRESELECTEUR



New PRESELECTOR CONTROL SHAFT
Nouvelle ARBRE COMMANDE PRESELECTEUR

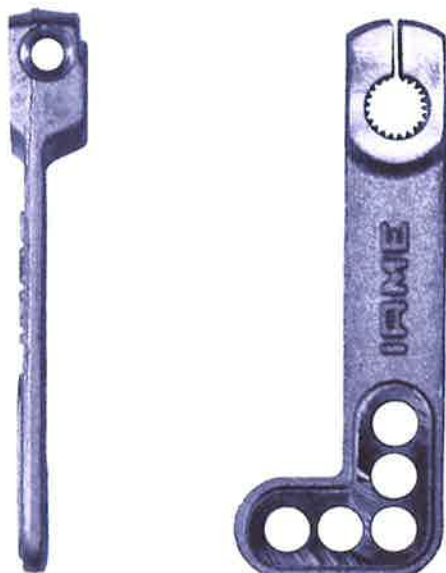


ALTERNATIVE SELECTOR COVER IDENTIFICATION
 IDENTIFICATION DU COUVERCLE SELECTEUR ALTERNATIVE



Current SHIFT CONTROL LEVER
 Actuelle LEVIER CHANGEM. VITESSE

New SHIFT CONTROL LEVER
 Nouvelle LEVIER CHANGEM. VITESSE



ALTERNATIVE CYLINDER CROSS SECTION VIEW
VUE EN SECTION DU CYLINDRE ALTERNATIVE

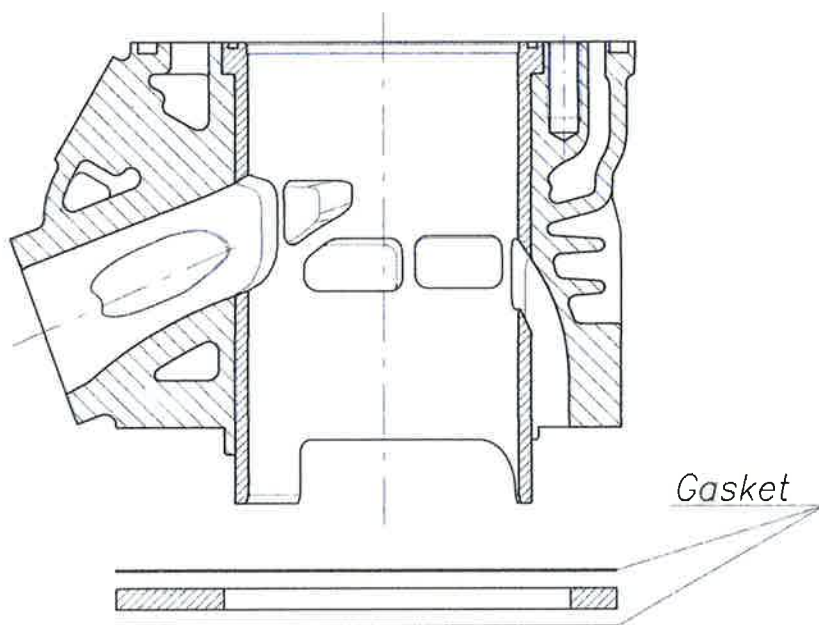
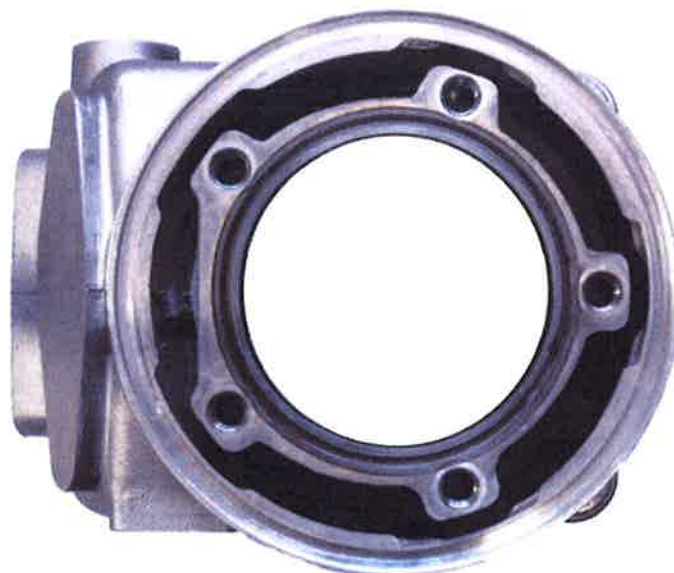
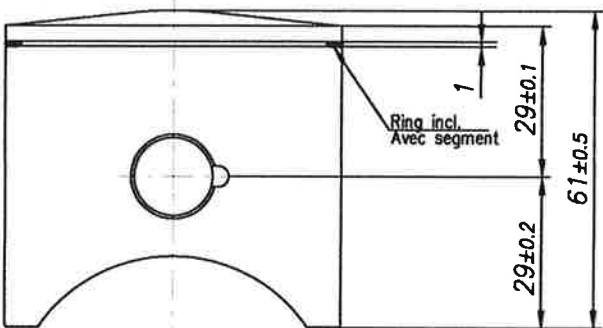
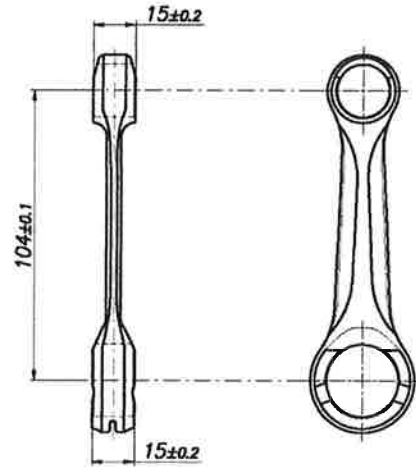


PHOTO OF THE ALTERNATIVE CYLINDER FROM ABOVE
VUE DU HAUT DU CYLINDRE ANTENATIVE

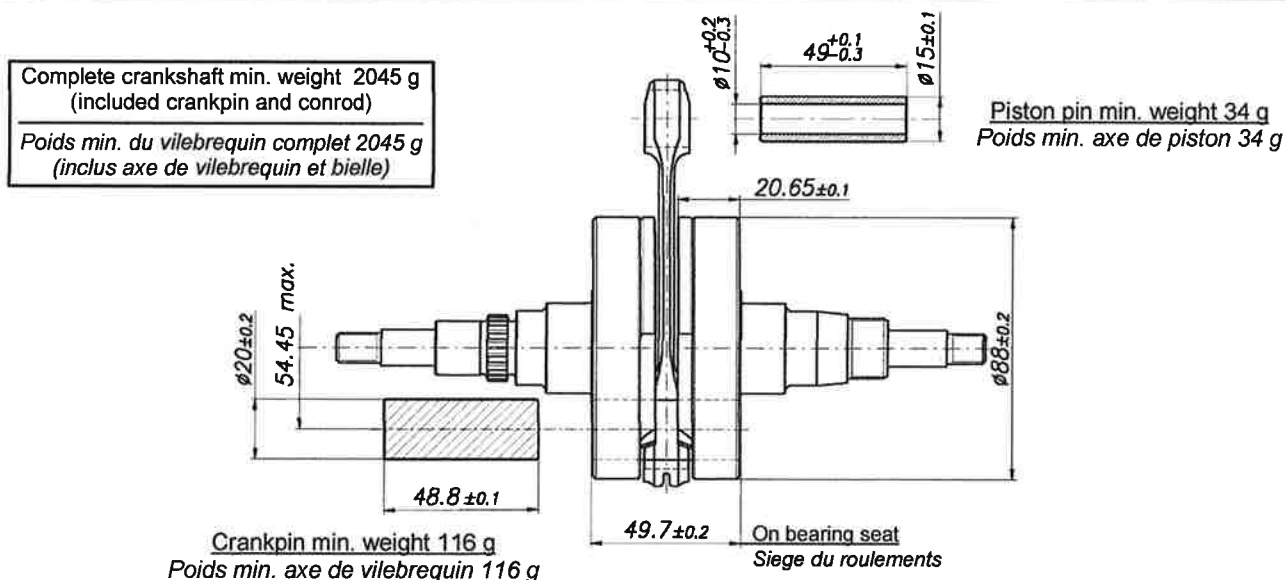


X30 SUPER 175cc RL TaG

		FEATURES - CARACTERISTIQUES	
		Cylinder volume <i>Volume du cylindre</i>	174.56 cm ³ (175.5 cm ³ max.)
		Bore <i>Alésage</i>	63.92 mm
		Max. theoretical bore <i>Alésage théorique max.</i>	64.06 mm
		Stroke <i>Course</i>	54.40 mm
		Cooling system <i>Système de refroidissement</i>	Water
		Inlet system <i>Système d'admission</i>	Reed valve
Carburettor <i>Carburateur</i>	Tillotson HB-10A (Ø34mm)	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>	30x62x16 (2Pc.)	Combustion chamber shape <i>Forme chambre de combustion</i>	Spherical <i>Sphérique</i>
Big end conrod bearing diam. <i>Diamètre palier tête de bielle</i>	20x26x15	Selettra ignition <i>Allumage Selettra</i>	Digital S
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>	104 mm	Centrifugal Dry Clutch <i>Embrayage Centrifuge à sec</i>	Yes <i>Oui</i>
Balancing shaft <i>Arbre d'équilibrage de vilebr.</i>	Yes	Electric starter <i>Démarrreur électrique</i>	Yes <i>Oui</i>

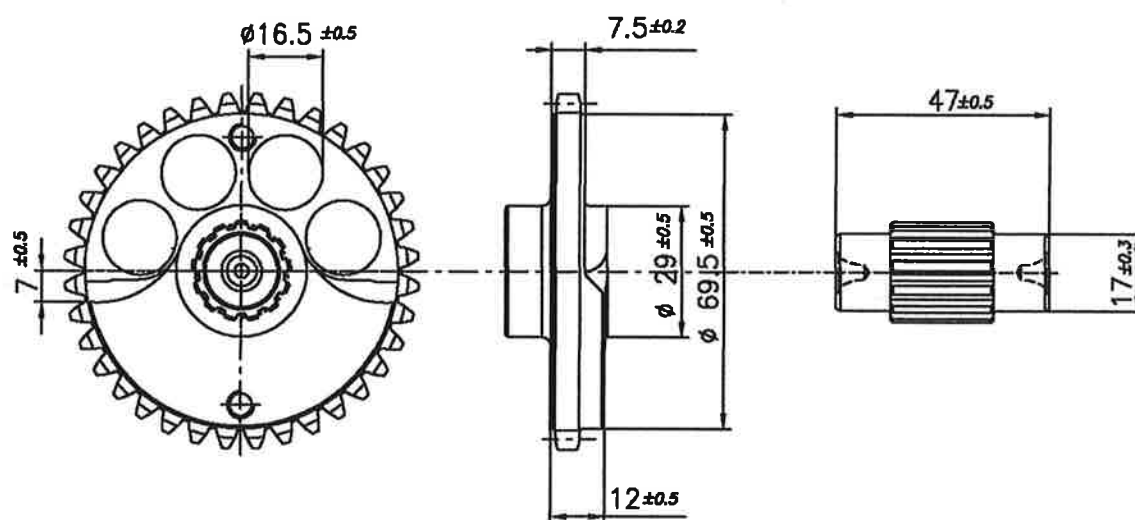
DESCRIPTION OF THE MATERIAL DESCRIPTION DES MATERIAUX		PISTON
Conrod material Matériel de la bielle	Steel Acier	 Piston min. weight (ring incl.) 162 g Poids Min. (avec segment) 162 g
Crankshaft material Matériel du vilebrequin	Steel Acier	
Balancing shaft material Matériel de l' arbre d' équilibrage	Steel Acier	
Gears material Matériel des engrenages	Steel Acier	
Starter ring material Matériel de la couronne démarr.	Steel Acier	
Cylinder head material Matériel de la culasse	Aluminium	DISTANCE BETWEEN CONROD CENTERS ENTRE AXE DE LA BIELLE
Cylinder material Matériel du cylindre	Aluminium	 Min. weight 117 g Poids Min. 117 g
Liner material Matériel de la chemise	Cast iron Fonte	
Crankcase material Matériel du carter	Aluminium	
Piston material Matériel du piston	Aluminium	
Piston ring material Matériel du segment	Steel Acier	
Exhaust muffler material Matériel du pot d' échappement	Sheet-steel Tôle acier	

CRANKSHAFT
VILEBREQUIN



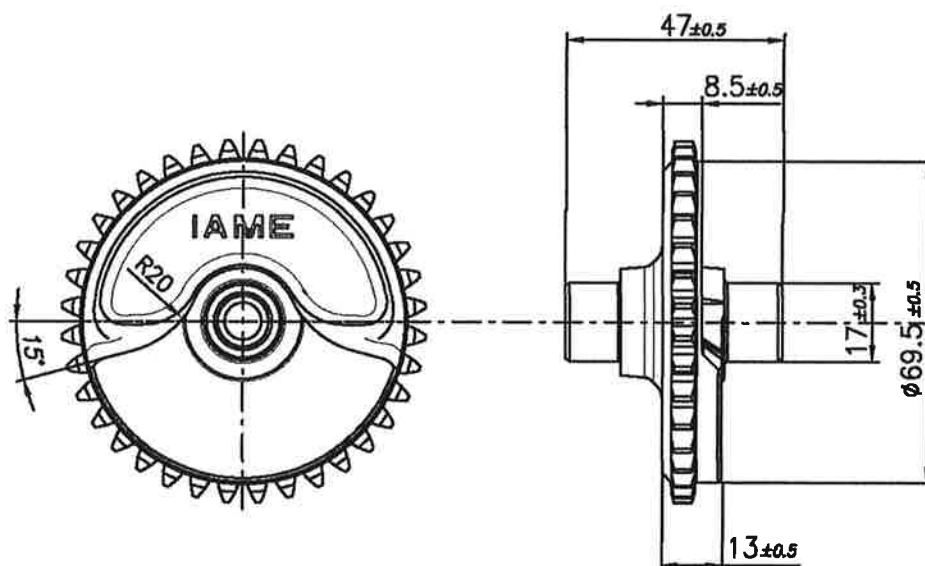
BALANCING SHAFT - ARBRE D'EQUILIBRAGE

TYPE 1



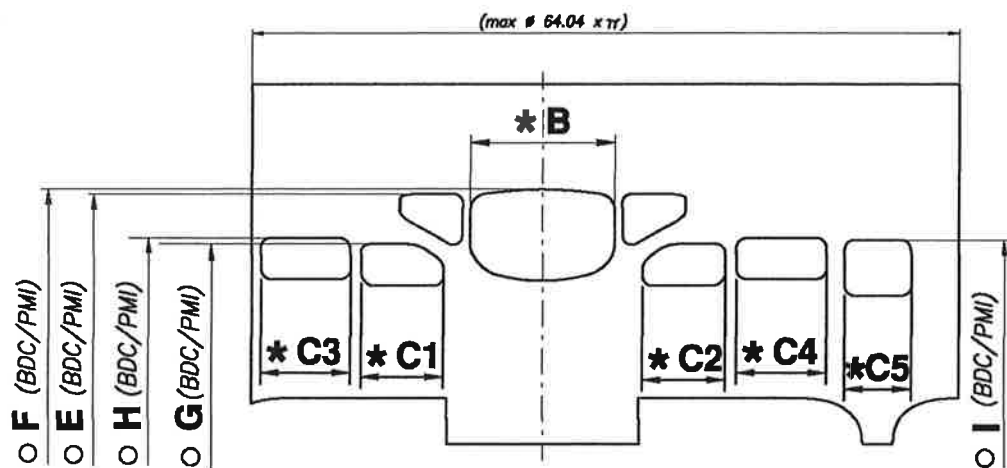
Tot. Min. weight 332 g
Poids min. tot. 332 g

TYPE 2



Tot. Min. weight 320 g
Poids min. tot. 320 g

CYLINDER DEVELOPMENT - DEVELOPPEMENT DU CYLINDRE

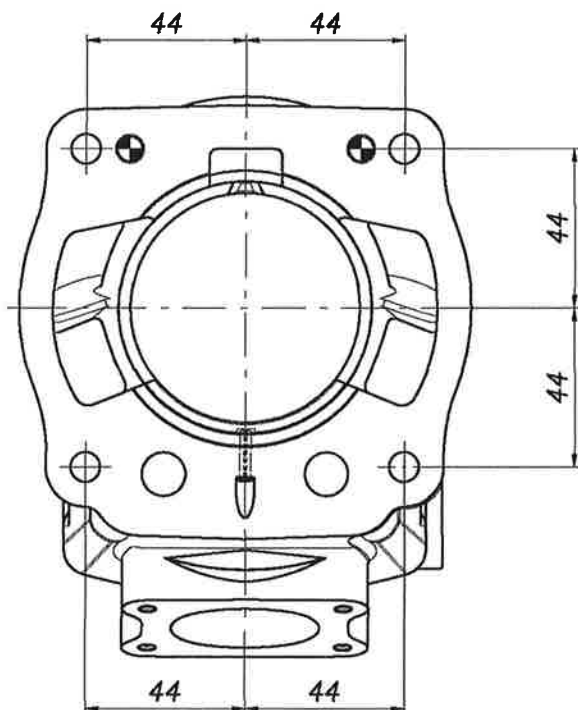


B	≤ 40.5 mm
C1 = C2	≤ 25 mm
C3 = C4	≤ 27 mm
C5	≤ 20.5 mm
E	182.0° ±2°
F	186.0° ±2°
G	125° ±2°
H	126° ±2°
I	124.5° ±2°

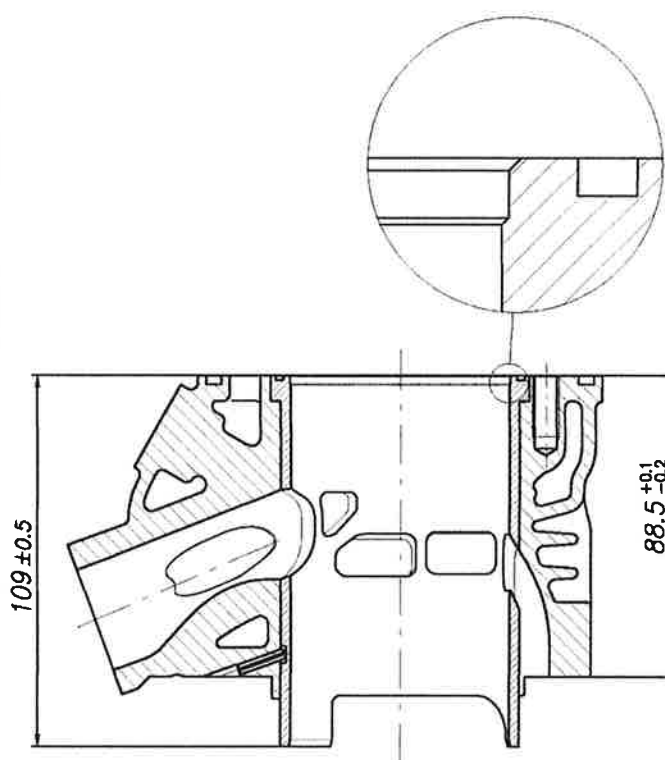
*** CHORDAL READING**
 LECTURE CORDALE

○ 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

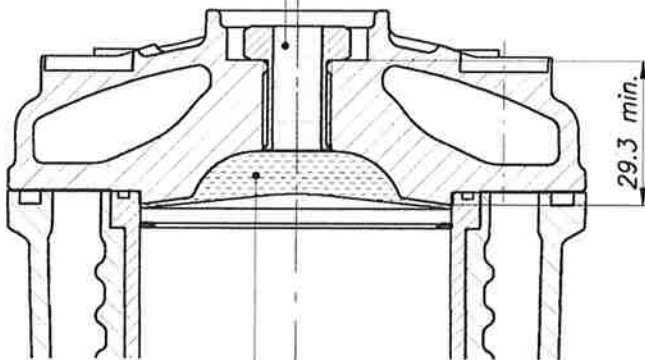


CYLINDER CROSS SECTION VIEW
 VUE EN SECTION DU CYLINDRE



COMBUSTION CHAMBER VIEW
VUE DE LA CHAMBRE DE COMBUSTION

(Volume 2 cm³)
(Plot a' Insert 2 cm³)

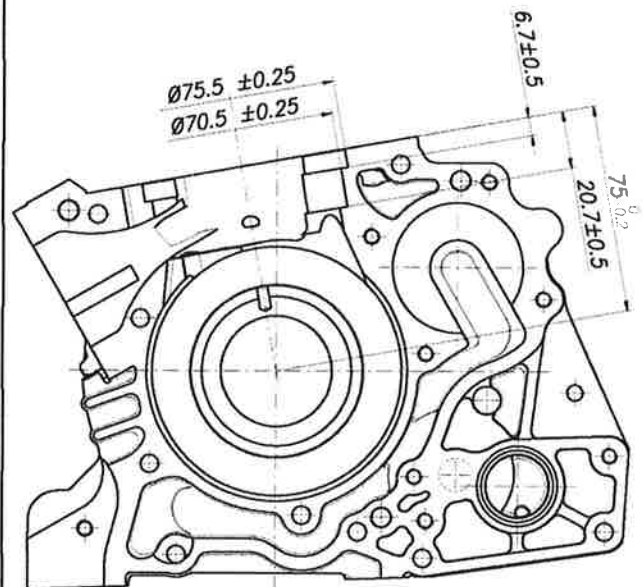


Volume min. 11,8 cm³

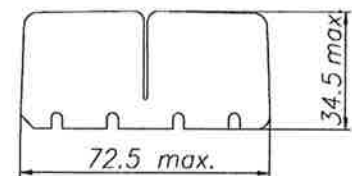
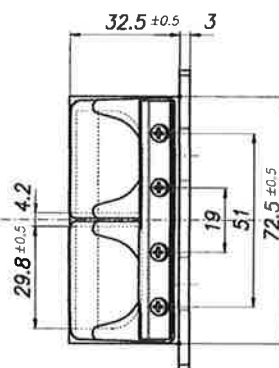
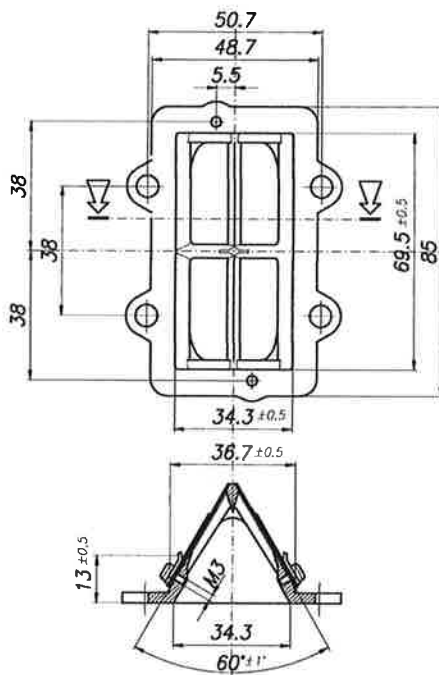
COMBUSTION CHAMBER VOLUME TOT. = 13.8 cm³ min.
VOLUME CHAMBRE COMBUSTION TOT. = 13.8 cm³ min.

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

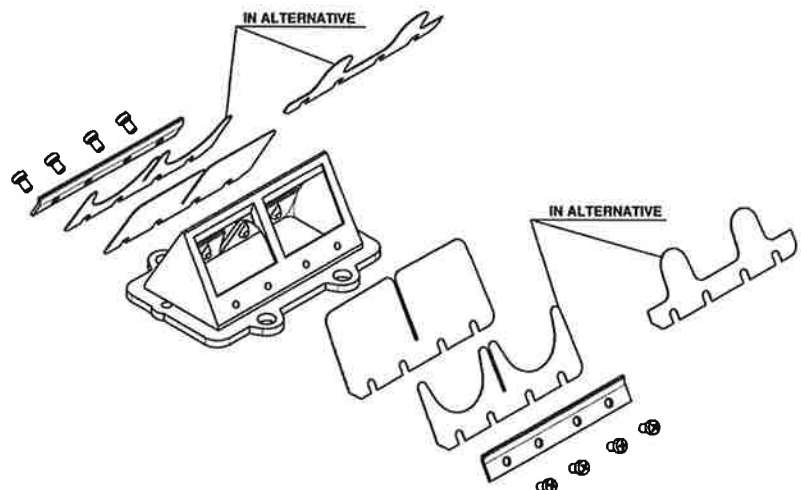
CRANKCASE INSIDE VIEW
VUE A' L' INTERIEUR DU CARTER



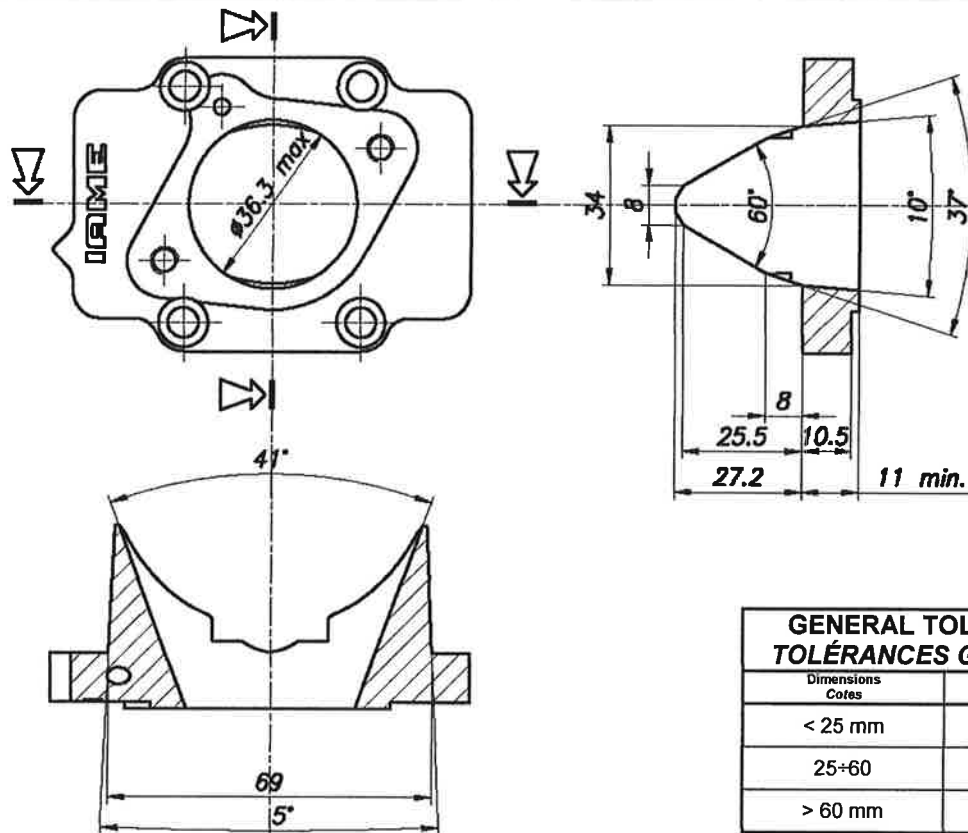
REEDS GROUP & REEDS DIMENSIONS – PYRAMIDE DE CLAPETS & CLAPETS



Minimum thickness: 0,24mm



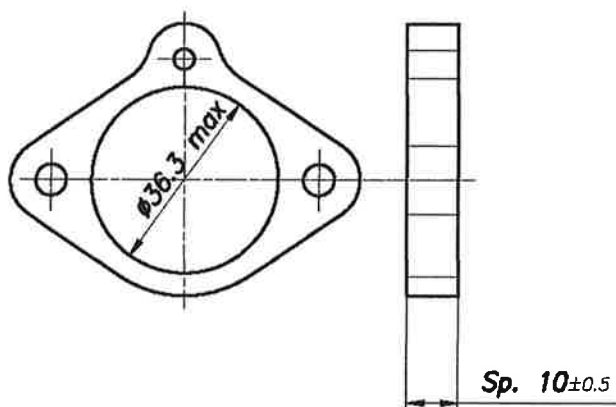
INLET CONVEYOR - CONVOYEUR D'ADMISSION



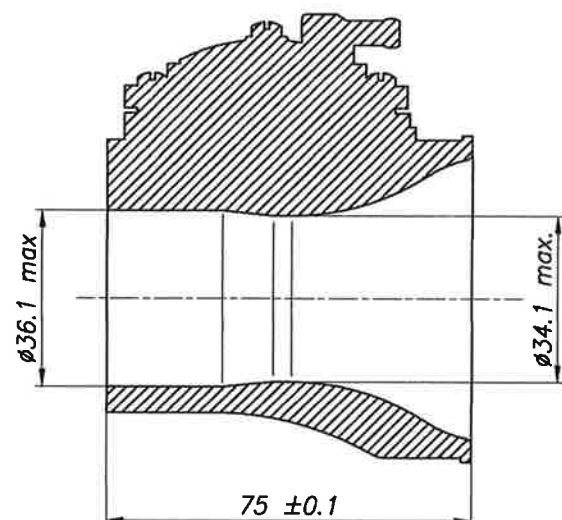
GENERAL TOLERANCES TOLÉRANCES GÉNÉRALES	
Dimensions Cotes	Machined parts Pièces usinées
< 25 mm	±0.5
25+60	±0.8
> 60 mm	±1.5

INLET SPACER - RACCORD D'ADMISSION

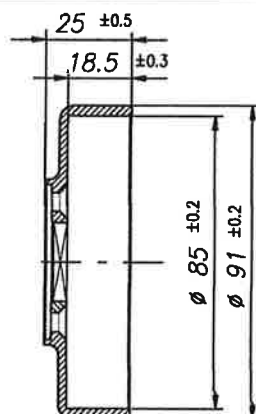
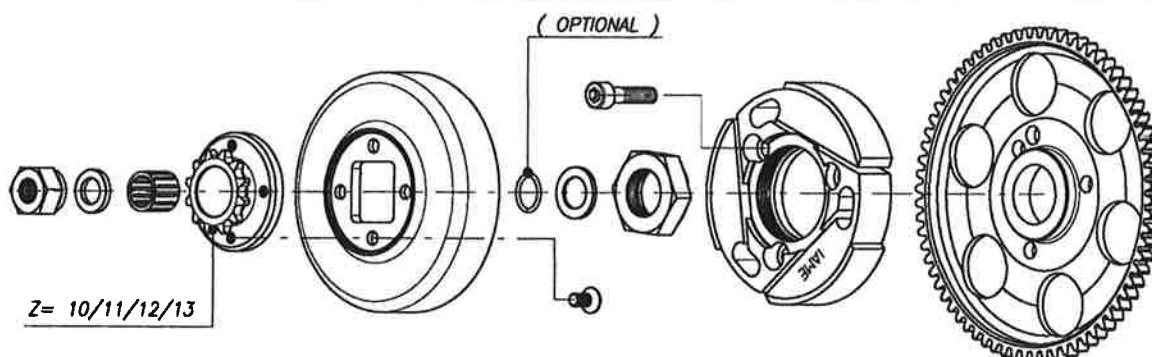
PART N° cod. TFB-41900



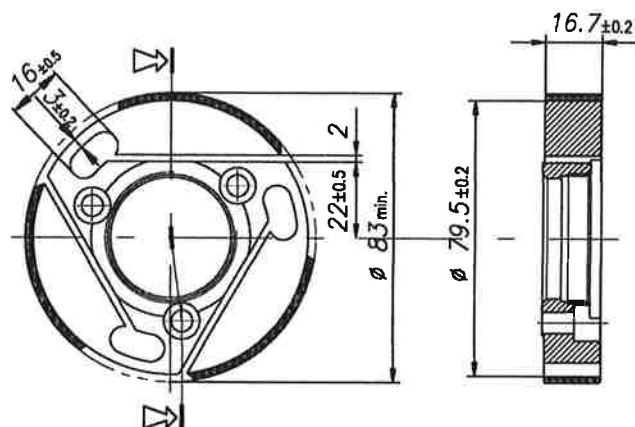
VENTURI CARB. DIMENSIONS DIMENSIONS DU VENTURI DU CARB.



DESCRIPTION OF THE CLUTCH - DESCRIPTION DE L'EMBRAYAGE

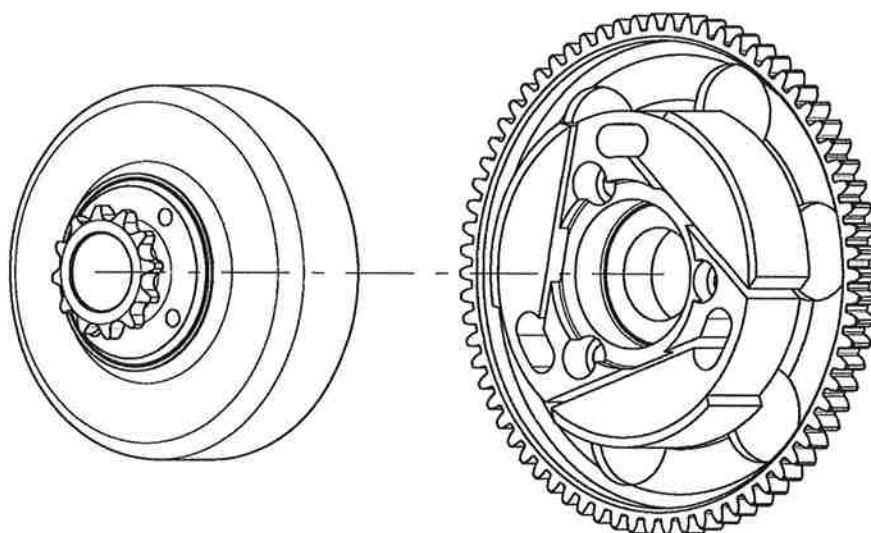


Min. weight 225 g
Poids min. 225g



Min. weight 375 g
Poids min. 375g

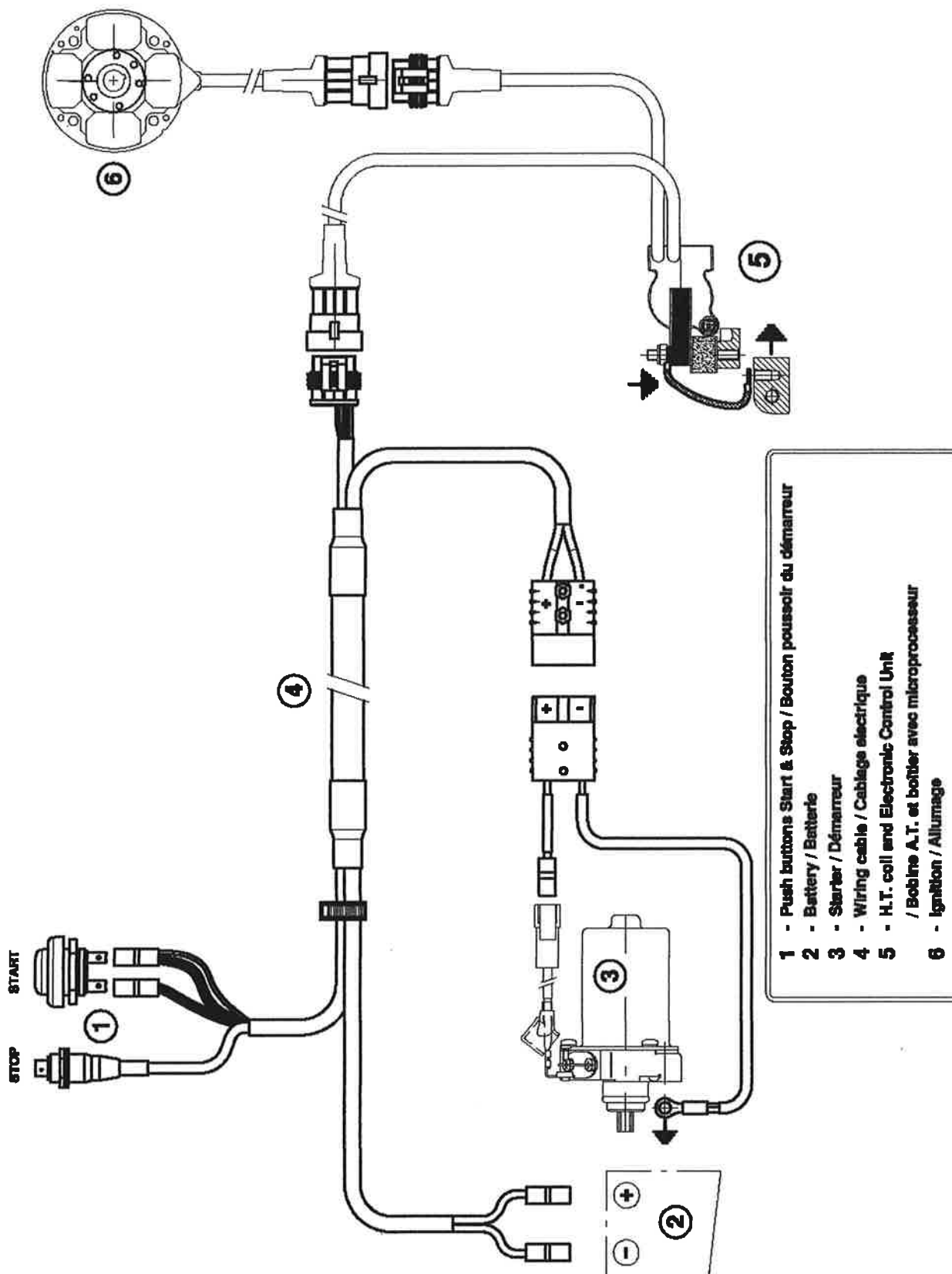
WEIGHT MIN. OF THE CLUTCH – POIDS MIN. DU EMBRAYAGE



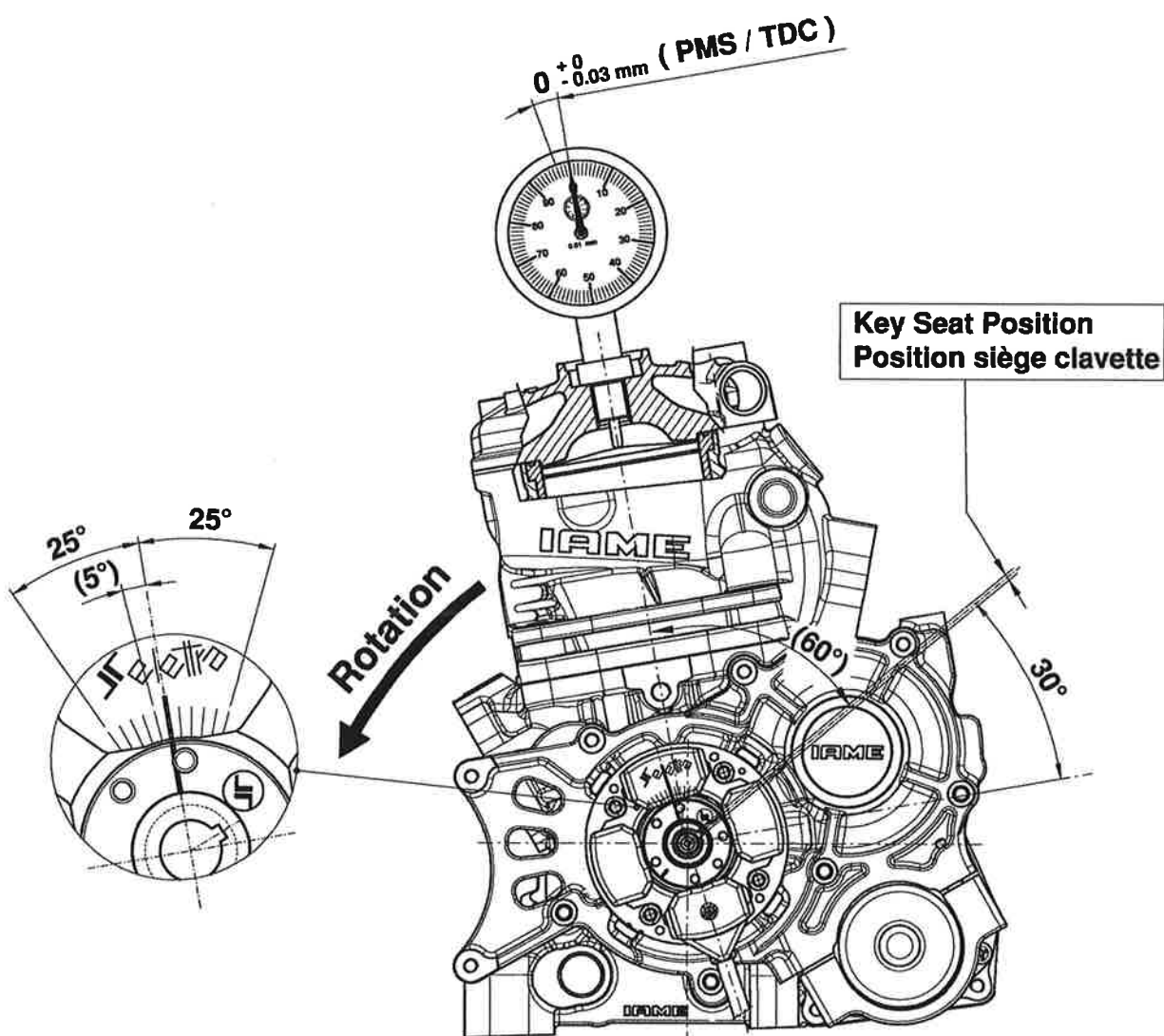
Min. weight 300 g
Poids min. 300 g

Min. weight 680 g
Poids min. 680 g

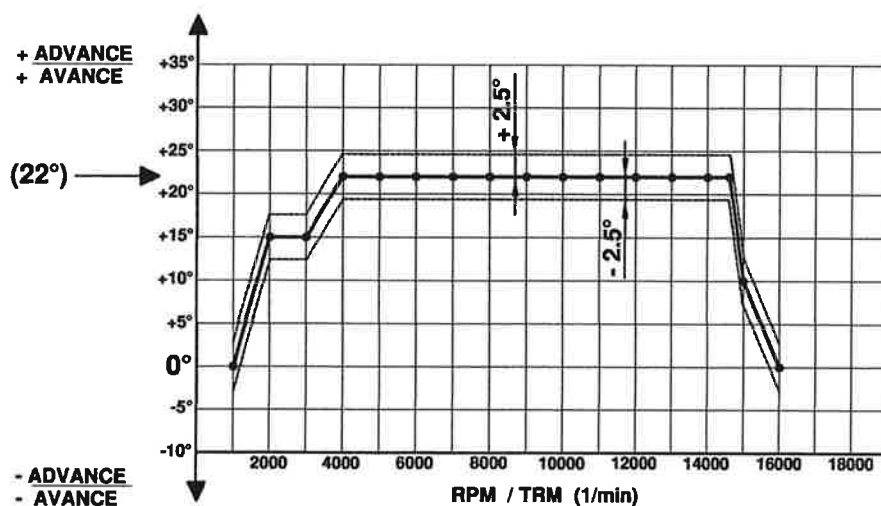
WIRING DIAGRAM (SELETTRA DIGITAL "S" IGNITION)
SCHEMA CIRCUIT ELECTRIQUE (ALLUMAGE SELETTRA DIGITAL "S")



SCHEME FOR ADVANCE CONTROL SCHEMA DE CONTROLE POUR L'AVANCE



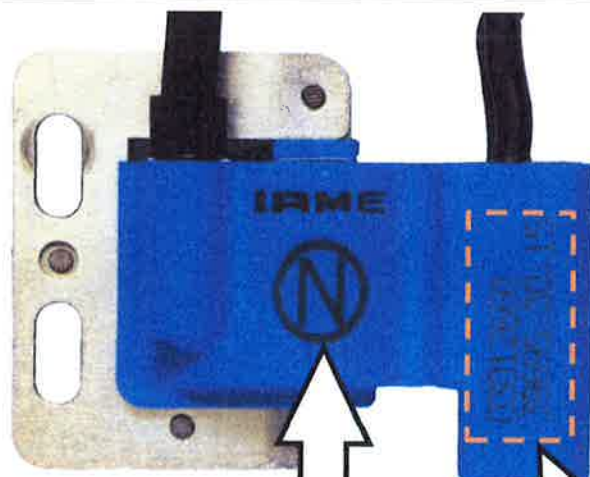
ADVANCE CURVE GRAPHS / GRAPHIQUES DE LA COURBE D'AVANCE



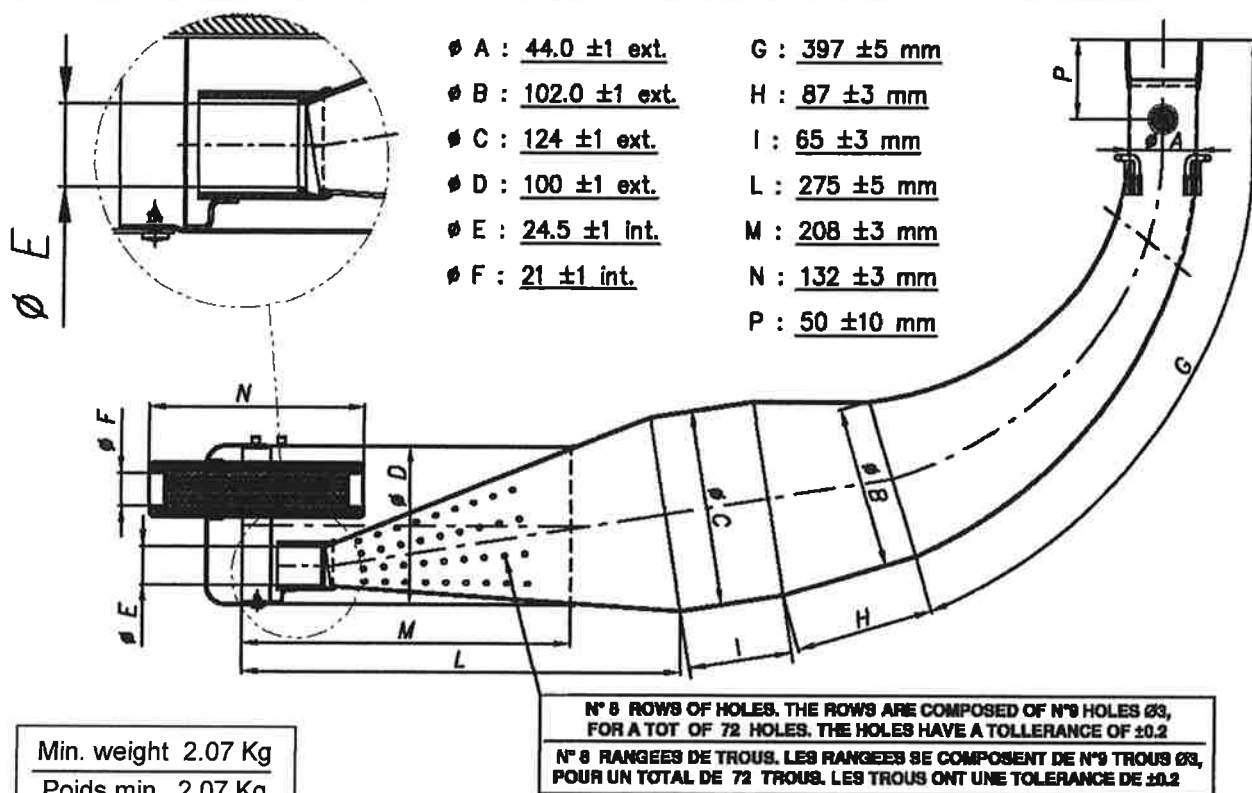
COMPLETE WIRING LOOM – PHOTO DU CABLAGE ELECTRIQUE



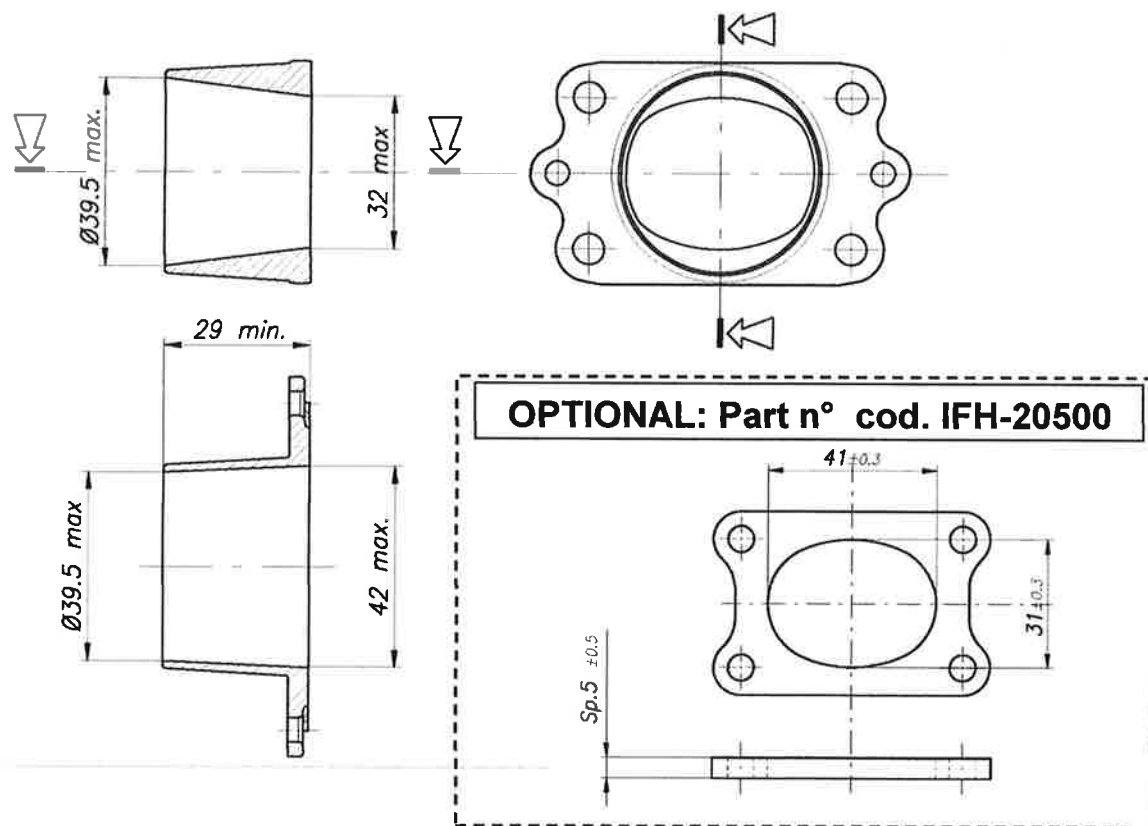
PHOTO OF SELETTRA DIGITAL "S" IGNITION WITH "IAME" MARKING
PHOTO DU ALLUMAGE SELETTRA DIGITALE "S" AVEC MARQUAGE "IAME"



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



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



PISTON IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION PISTON

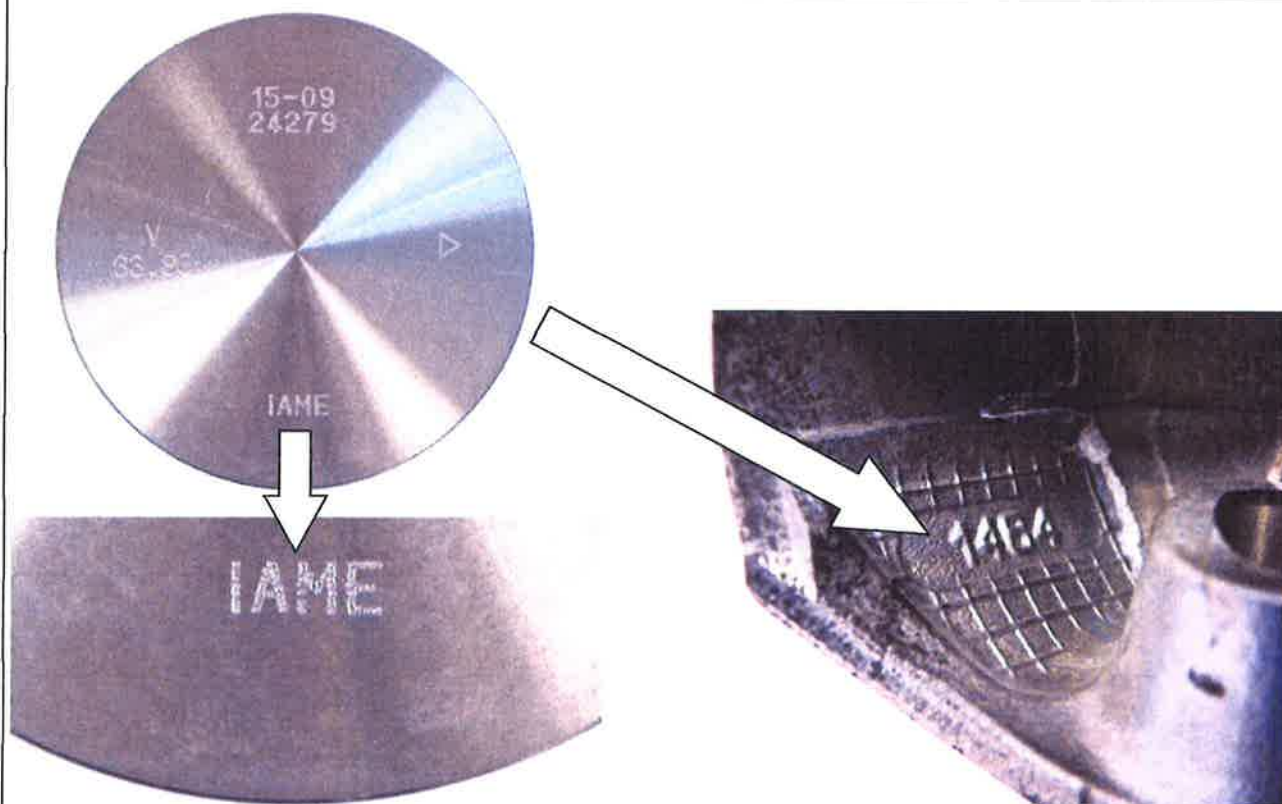
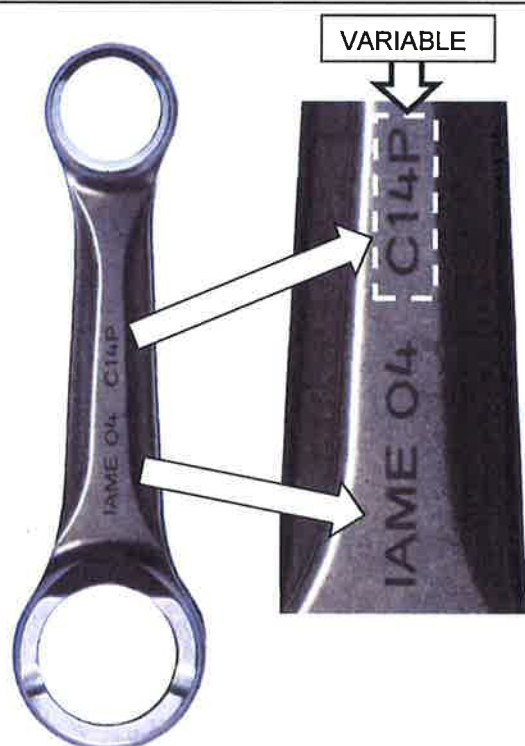
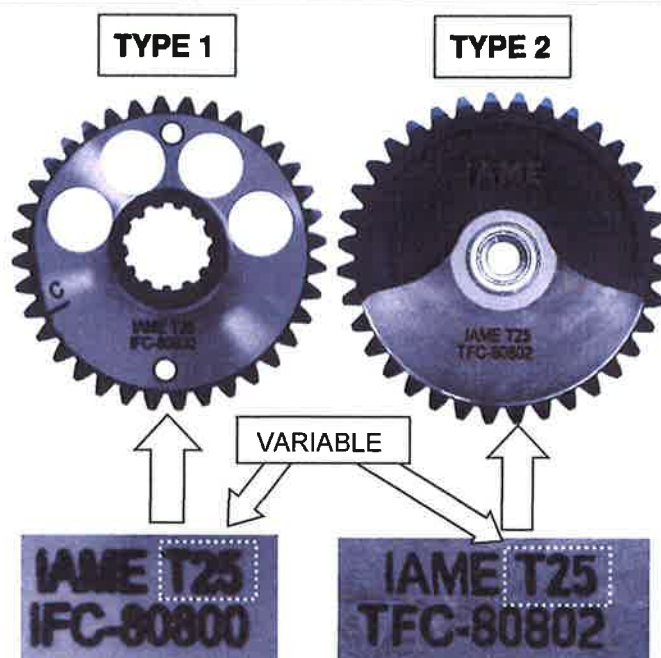


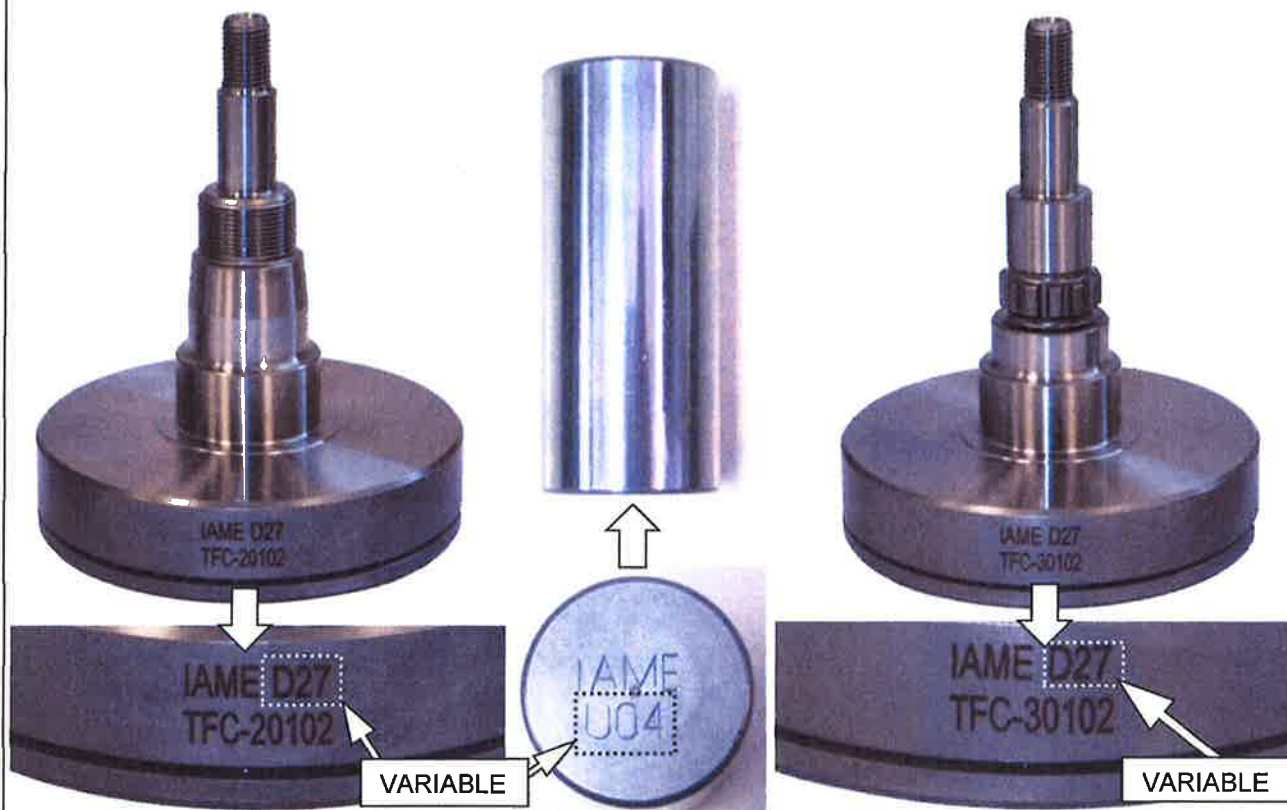
PHOTO IDENTIFICATION CONROD
MARQUAGE D'IDENTIFICATION BIELLE



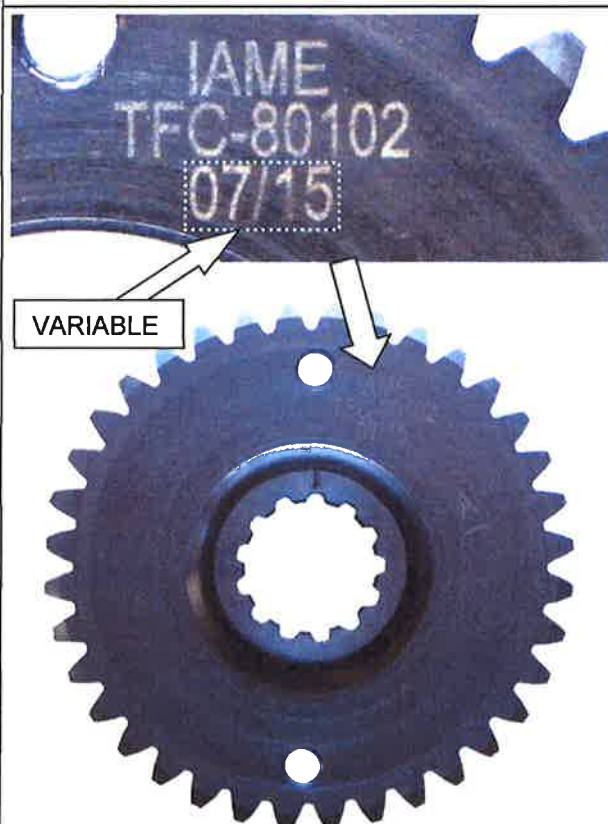
IDENTIFICATION BALANCING SHAFT
MARKING
MARQUAGE D'IDENTIFICATION ARBRE
D'EQUILIBRAGE



CRANKSHAFT IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU VILEBREQUIN



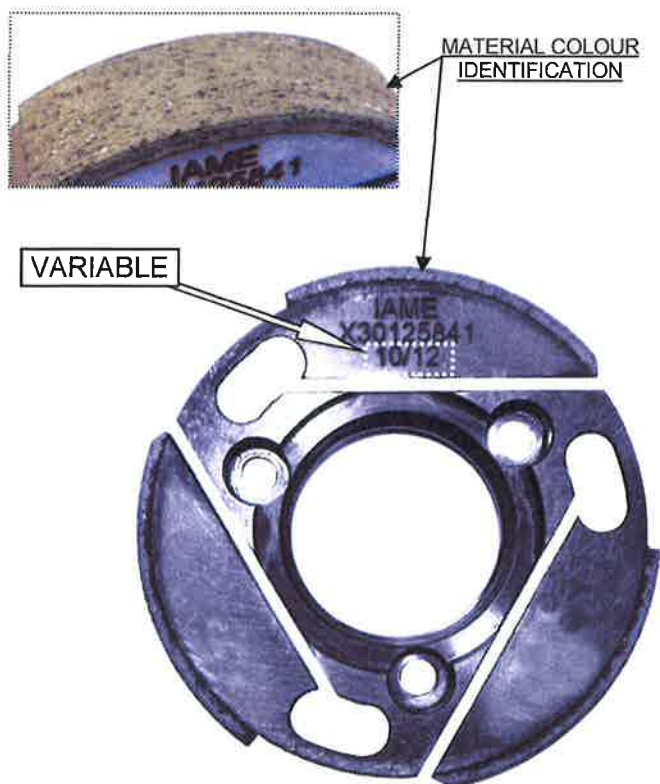
GEAR COMMAND BALANCING SHAFT
IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION
ENGRENAGE ARBRE D'EQUILIBRAGE



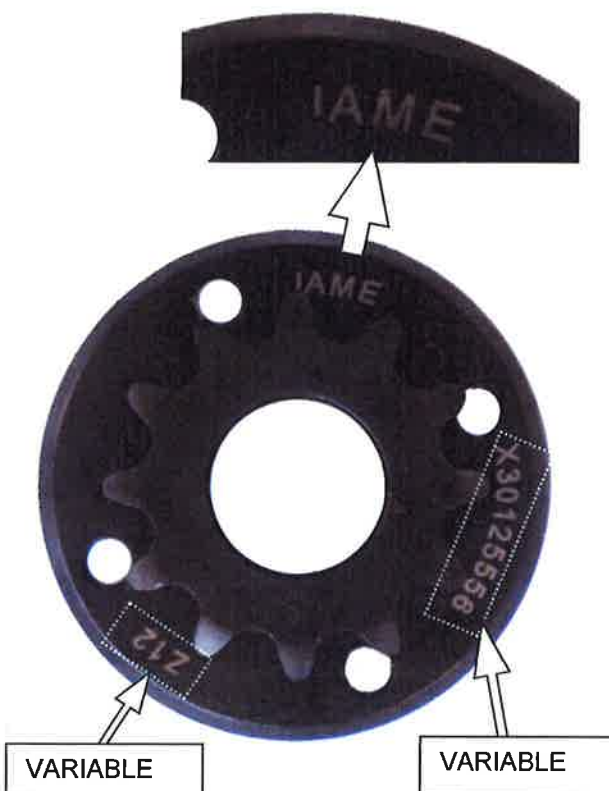
STARTER IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU
MOTEUR DEMARREUR



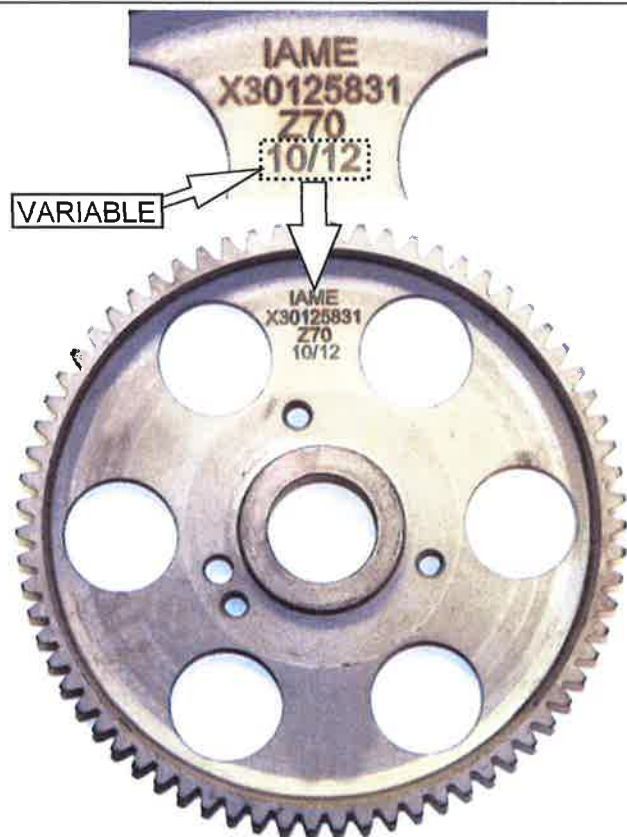
CLUTCH HUB IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION CORPS DE
EMBRAYAGE



SPROCKET IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU PIGNON



STARTER RING IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DE LA
COURONNE DE DEMARRAGE



CLUTCH DRUM IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DE LA
CALOTTE



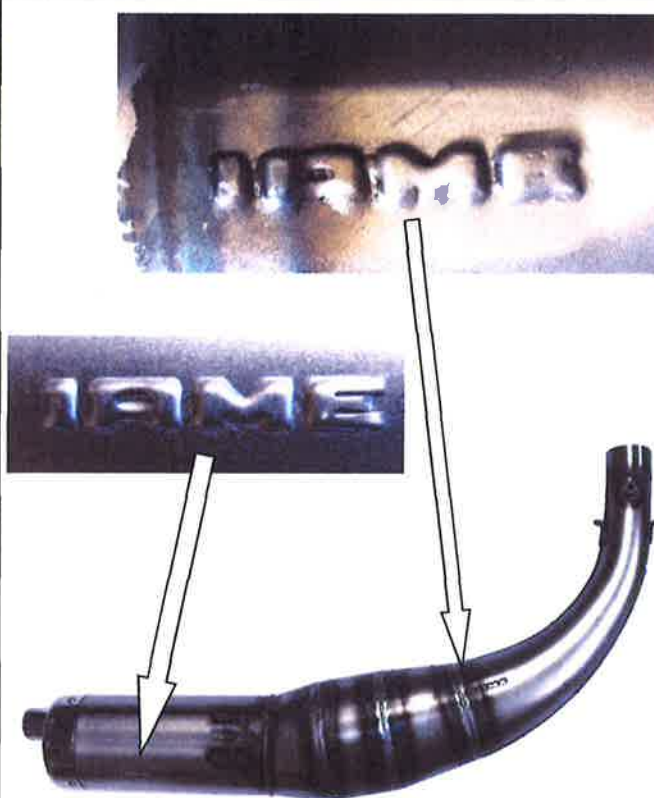
REED GROUP & PETALS IDENTIFICATION PHOTO
 PHOTO D'IDENTIFICATION DE LA PYRAMIDE DE CLAPETS & CLAPETS



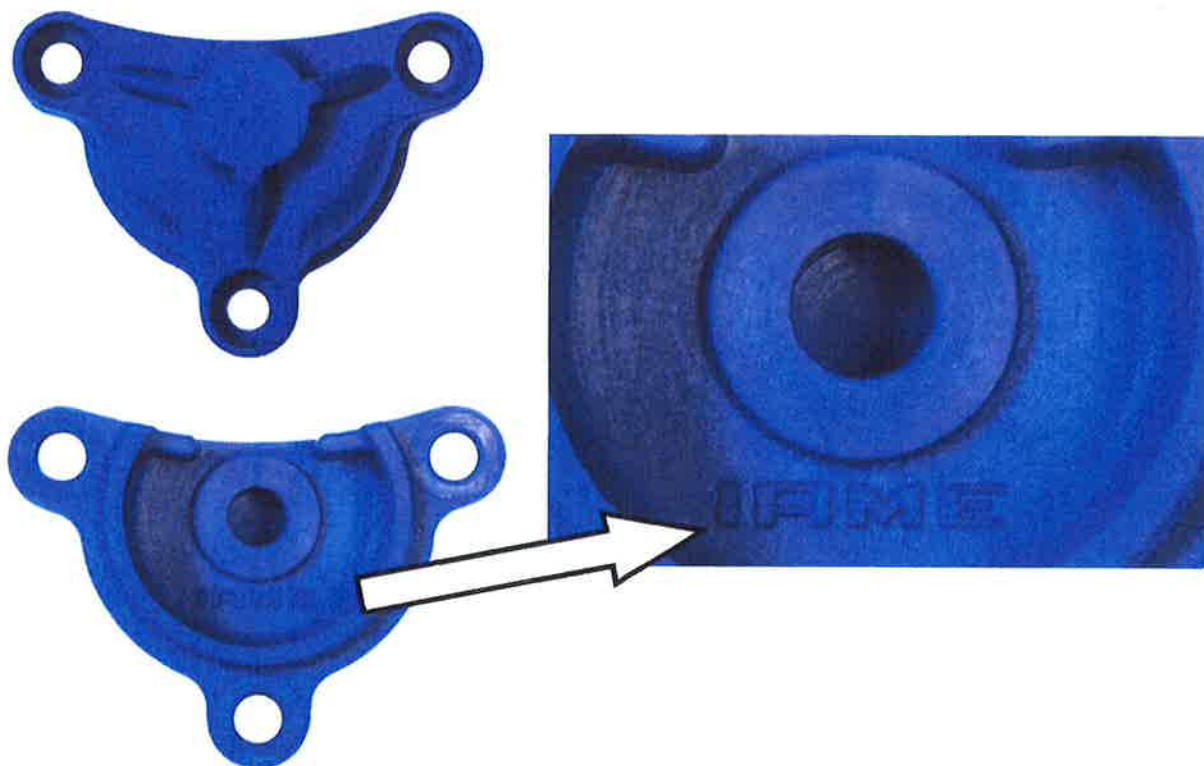
MATERIAL: CARBON FIBER



EXHAUST SILENCER IDENTIFICATION
 MARKING
 MARQUAGE D'IDENTIFICATION
 ECHAPPEMENT



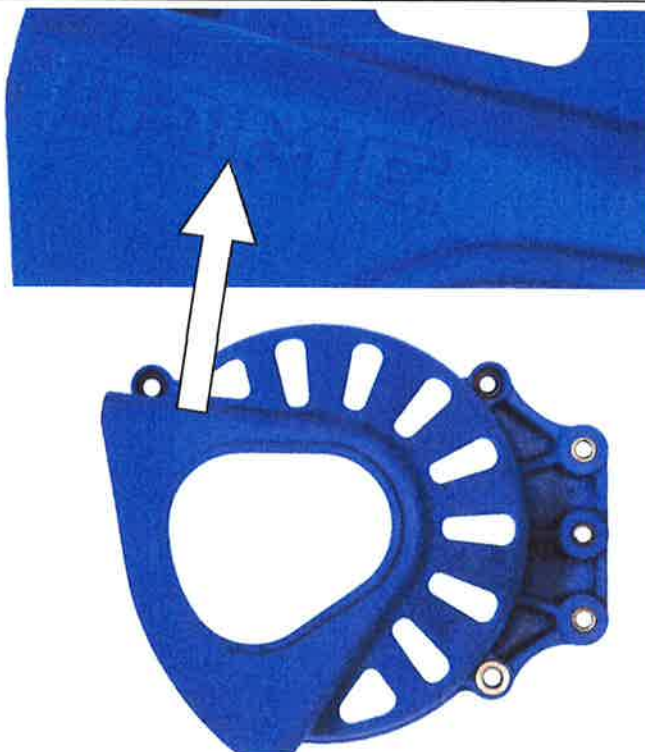
BENDIX COVER IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU COUVERCLE
DU CONTRE-ARBRE DE DEMARRAGE



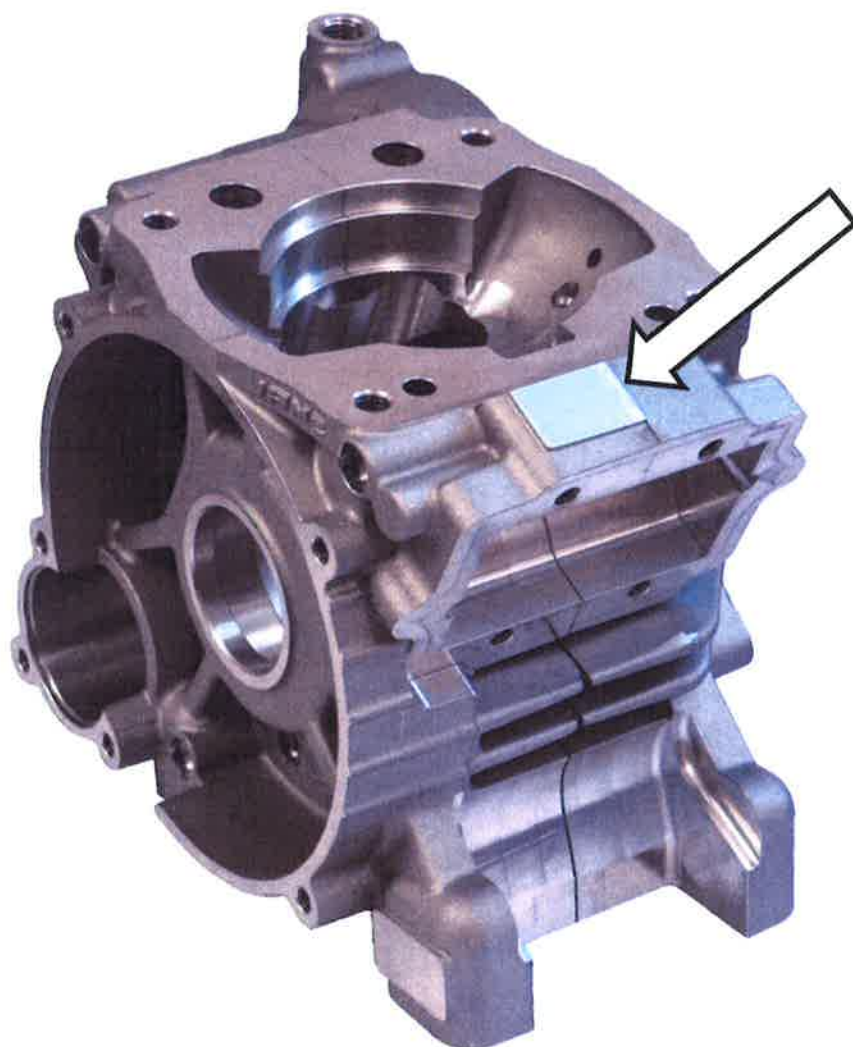
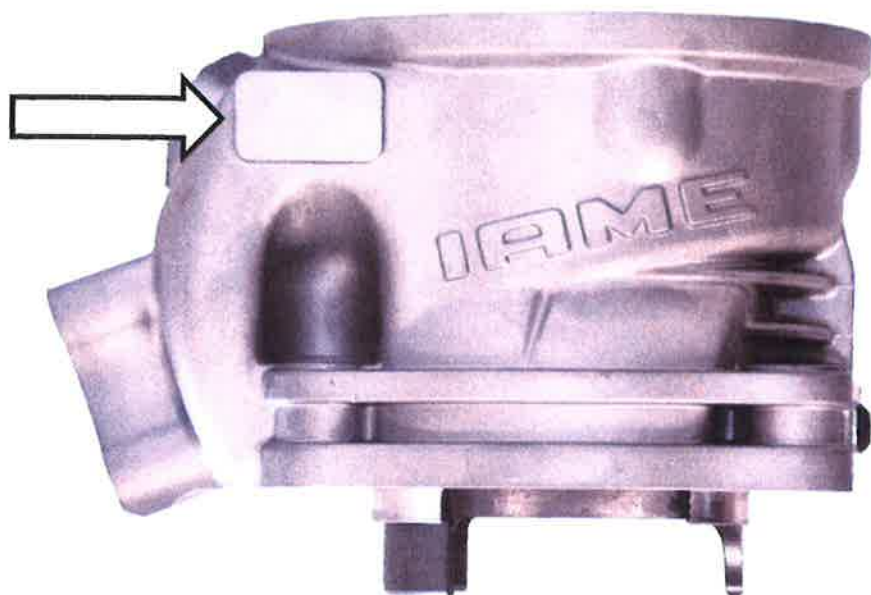
EXHAUST MANIFOLD IDENTIFICATION
MARKING
MARQUAGE DU RACCORD
D'ECHAPPEMENT



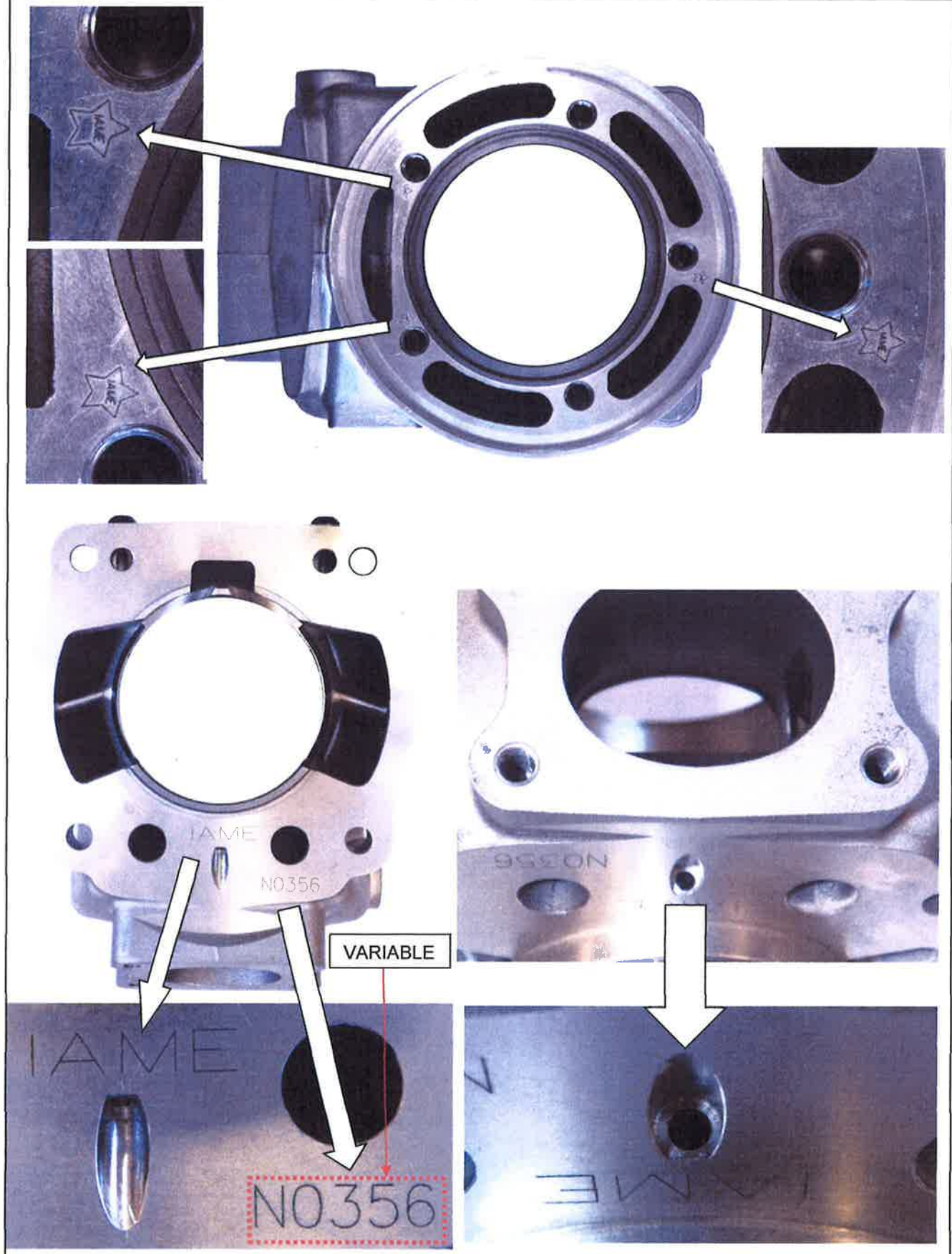
CLUTCH COVER IDENTIFICATION
MARKING
MARQUAGE DU COUVERCLE
D'EMBRAYAGE



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

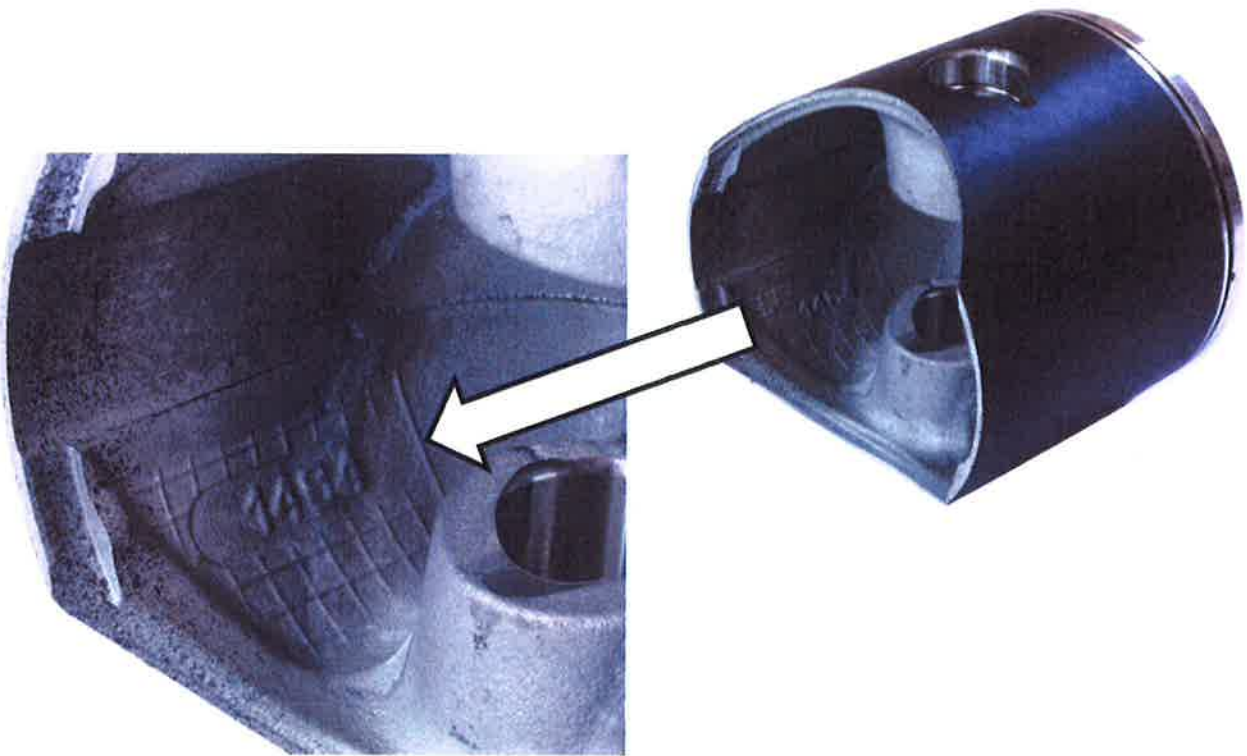


CYLINDER IDENTIFICATION MARKING
MARQUAGE D'IDENTIFICATION DU CYLINDRE

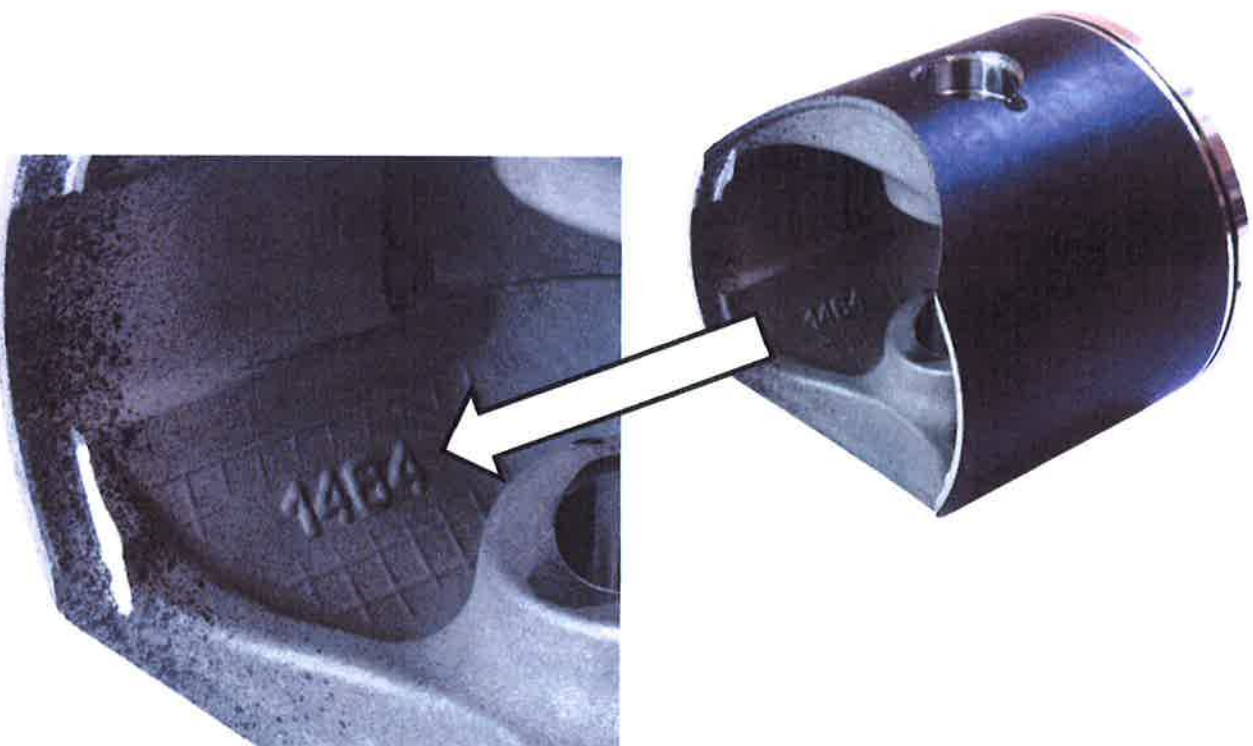


CURRENT AND NEW ALTERNATIVE PHOTO OF PISTON IDENTIFICATION
ACTUELLE ET ALTERNATIVE NOUVELLE PHOTO D' IDENTIFICATION DU PISTON

Current Photo
Actuelle Photo



Alternative New Photo
Nouvelle Alternative Photo





CARBURETTOR
Tillotson HB-10A



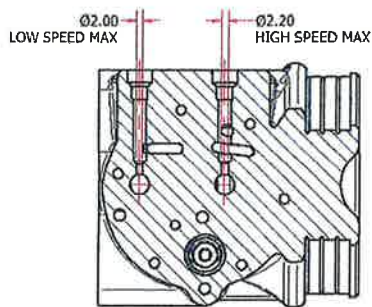
PHOTO OF ADJUSTING SIDE



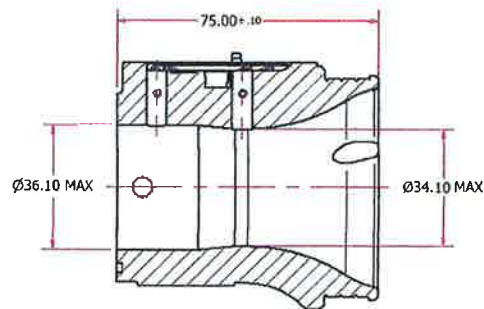
PHOTO OF INLET SIDE

Manufacturer	TILLOTSON LTD.
Make	TILLOTSON
Model	HB-10A

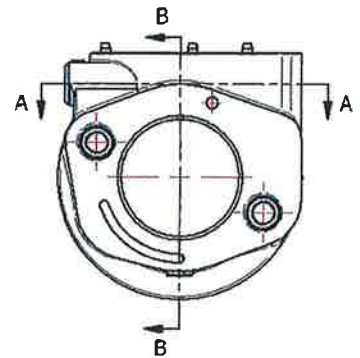
SECTION VIEW



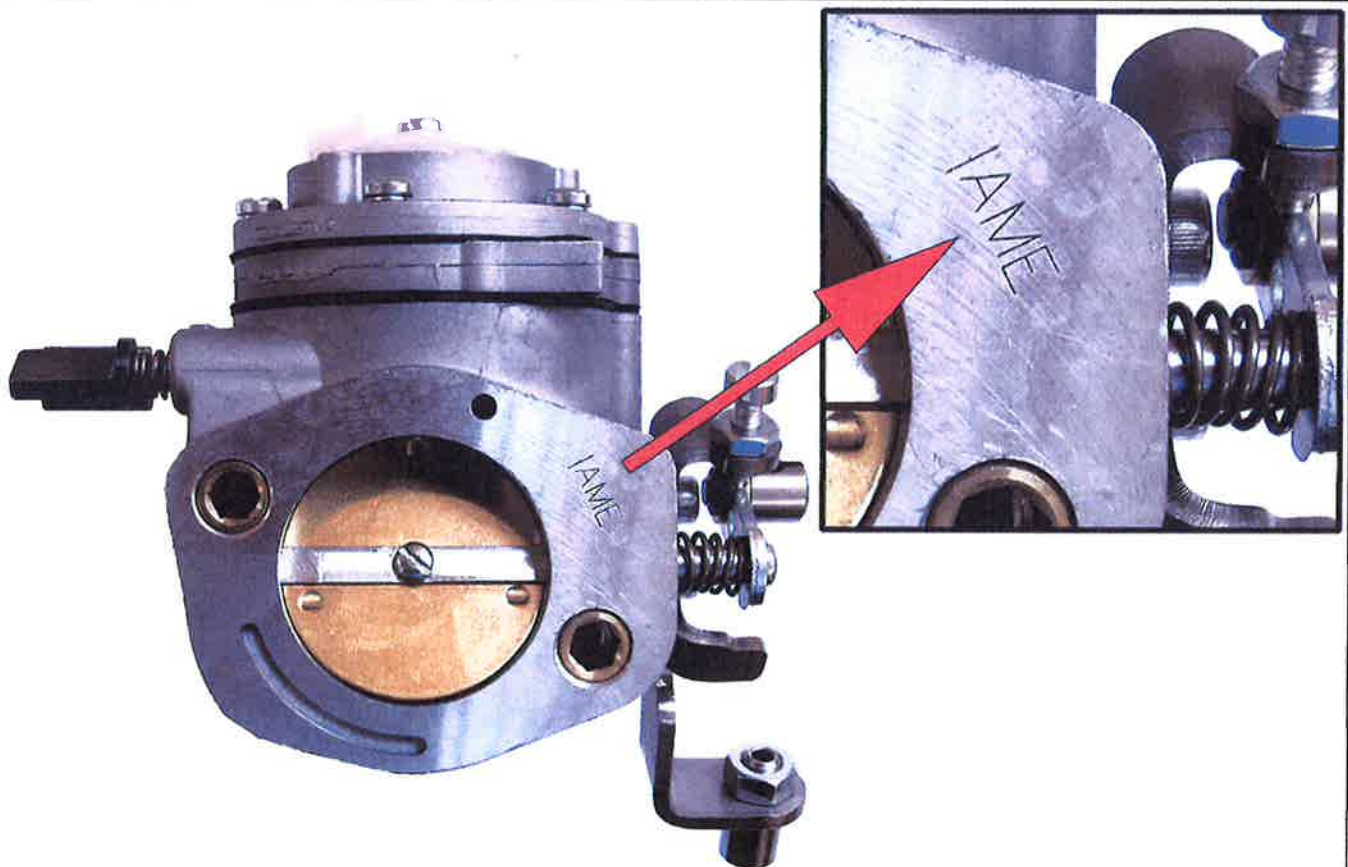
SECTION A-A
SCALE 1 : 1



SECTION B-B
SCALE 1 : 1

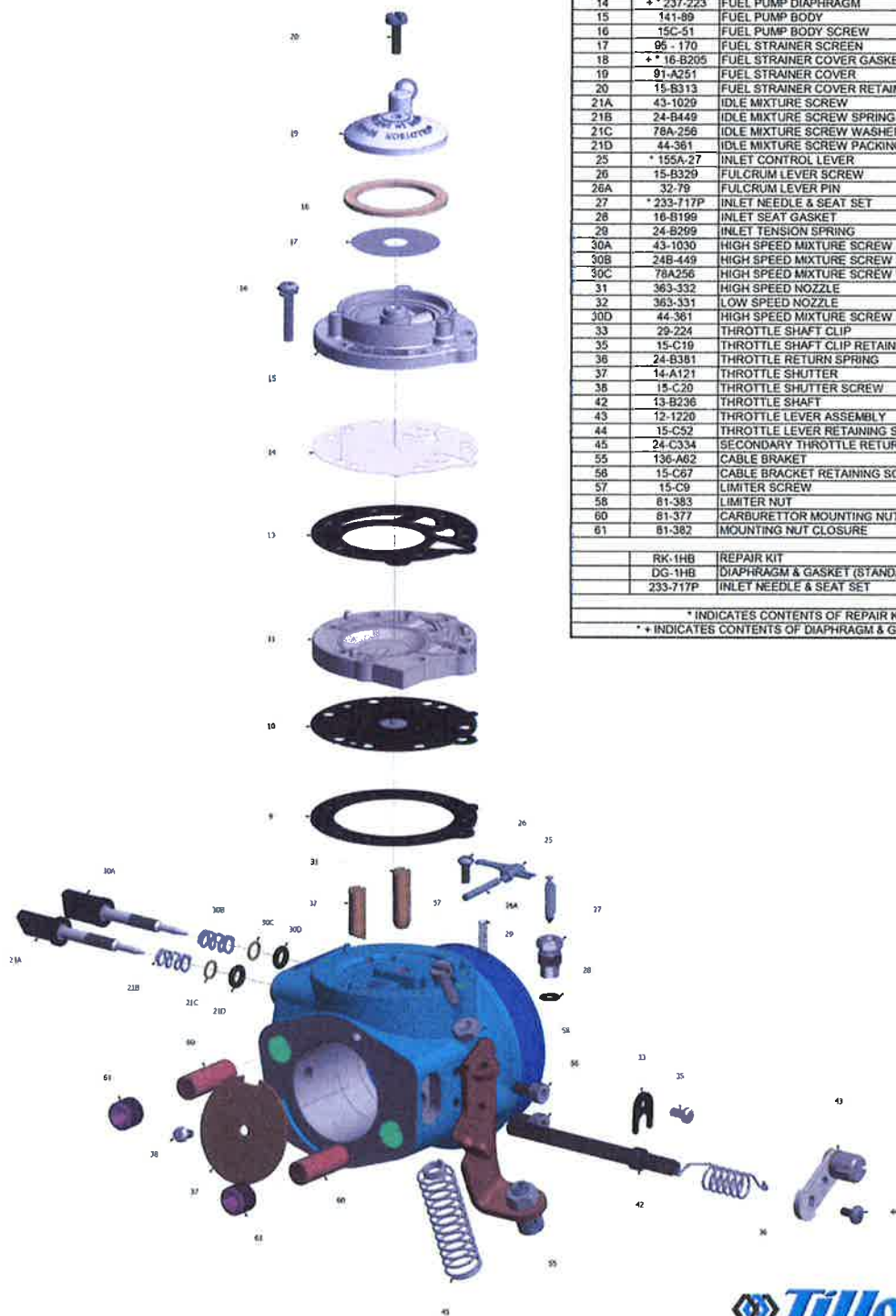


FLANGE SIDE



CARBURETTOR DESCRIPTION AND SKETCH OF PARTS

HB-10A



ITEM	PART NO.	DESCRIPTION	QTY
8	* 16-B408	DIAPHRAGM GASKET	1
10	* 237-698	DIAPHRAGM	1
11	81A-275	DIAPHRAGM COVER	1
13	* 16-B392	FUEL PUMP GASKET	1
14	* 237-223	FUEL PUMP DIAPHRAGM	1
15	141-89	FUEL PUMP BODY	1
16	15C-51	FUEL PUMP BODY SCREW	6
17	95 - 170	FUEL STRAINER SCREEN	1
18	* 16-B205	FUEL STRAINER COVER GASKET	1
19	81-A251	FUEL STRAINER COVER	1
20	15-B313	FUEL STRAINER COVER RETAINING SCREW	1
21A	43-1029	IDLE MIXTURE SCREW	1
21B	24-B449	IDLE MIXTURE SCREW SPRING	1
21C	78A-256	IDLE MIXTURE SCREW WASHER	1
21D	44-361	IDLE MIXTURE SCREW PACKING	1
25	* 155A-27	INLET CONTROL LEVER	1
26	15-B329	FULCRUM LEVER SCREW	1
26A	32-79	FULCRUM LEVER PIN	1
27	* 233-717P	INLET NEEDLE & SEAT SET	1
28	16-B199	INLET SEAT GASKET	1
29	24-B299	INLET TENSION SPRING	1
30A	43-1030	HIGH SPEED MIXTURE SCREW	1
30B	24B-449	HIGH SPEED MIXTURE SCREW SPRING	1
30C	78A256	HIGH SPEED MIXTURE SCREW WASHER	1
31	363-332	HIGH SPEED NOZZLE	1
32	363-331	LOW SPEED NOZZLE	1
30D	44-361	HIGH SPEED MIXTURE SCREW PACKING	1
33	29-224	THROTTLE SHAFT CLIP	1
35	15-C19	THROTTLE SHAFT CLIP RETAINING SCREW	1
36	24-B381	THROTTLE RETURN SPRING	1
37	14-A121	THROTTLE SHUTTER	1
38	15-C20	THROTTLE SHUTTER SCREW	1
42	13-B236	THROTTLE SHAFT	1
43	12-1220	THROTTLE LEVER ASSEMBLY	1
44	15-C52	THROTTLE LEVER RETAINING SCREW	1
45	24-C334	SECONDARY THROTTLE RETURN SPRING	1
55	136-A62	CABLE BRACKET	1
56	15-C67	CABLE BRACKET RETAINING SCREW	2
57	15-C9	LIMITER SCREW	2
58	81-383	LIMITER NUT	2
60	81-377	CARBURETTOR MOUNTING NUT	2
61	81-382	MOUNTING NUT CLOSURE	2
RK-1HB REPAIR KIT			
DG-1HB DIAPHRAGM & GASKET (STANDARD)			
233-717P INLET NEEDLE & SEAT SET			
* INDICATES CONTENTS OF REPAIR KIT			
* * INDICATES CONTENTS OF DIAPHRAGM & GASKET SET			

Tillotson
RACING

Clash Industrial Estate - Tralee - Ireland
www.tillotson-racing.com

PARTS OF CARBURETTOR

REF.9 - P. N°16-B408



Thickness = 1.00 ± 0.1 mm

**PUMP DIAPHRAGM GASKET
REF.13 - P. N° 16-B392**



Thickness = 0.8 ± 0.1 mm

**REF.10 - P. N°237-698
DIAPHRAGM**



Thickness = 0.13 ± 0.07 mm

**REF.14 - P. N°237-223
PUMP DIAPHRAGM**



Thickness = 0.075 ± 0.07 mm

**REF.11 - P. N° 91-1031
DIAPHRAGM COVER**



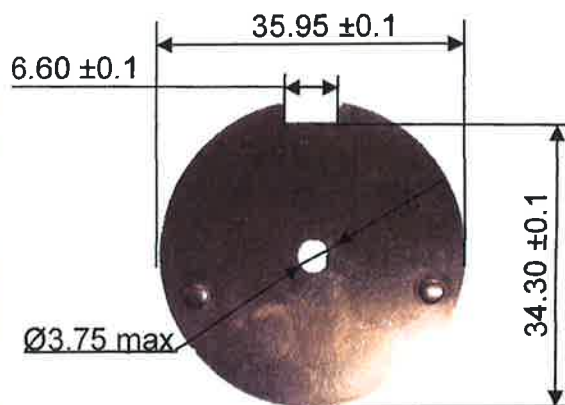
Thickness = 6.75 ± 0.15 mm

**REF.15 - P. N° 141-89
PUMP COVER**



Thickness = 12.5 ± 0.15 mm

REF.37 - P. N° 14-A121
THROTTLE SHUTTER



Thickness = 0.81 ±0.1 mm

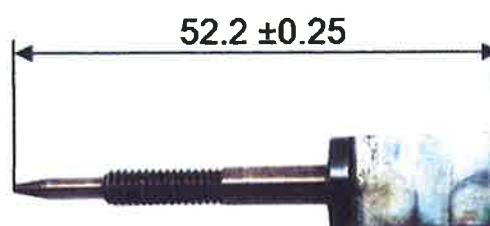
REF.27 - P. N° 233-717P
SEAT + NEEDLE



REF.21A - P. N° 43-1029
NEEDLE LOW SPEED



REF.30A - P. N° 43-1030
NEEDLE HIGH SPEED



ALTERNATIVE TROTTLE SHUTTER



CARBURETTOR TILLOTSON HB-10A - VARIANT

ALTERNATIVE FUEL NEEDLE

