

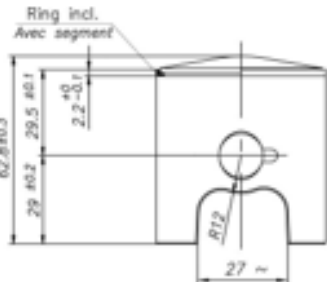
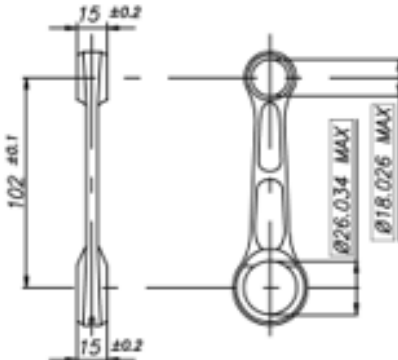
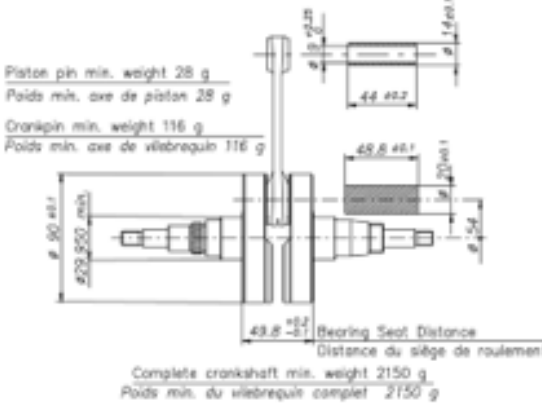
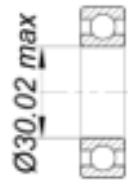
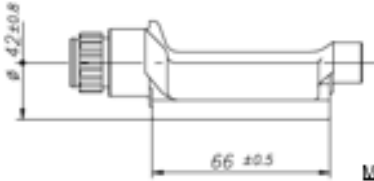


# X30 125cc RL-C TaG

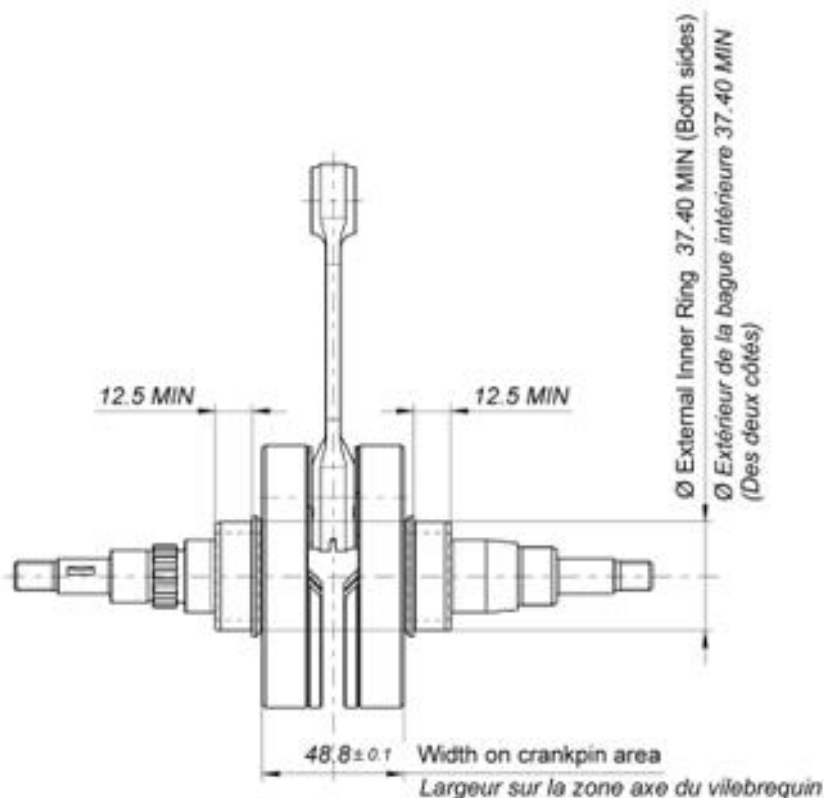


## FEATURES - CARACTERISTIQUES

		Cylinder volume Volume du cylindre	123.67 cm <sup>3</sup>
		Bore Alésage	54 mm
		Max. bore Alésage max.	54.28 mm
		Stroke Course	54 mm
		Cooling system Système de refroidissement	Water À Eau
		Inlet system Système d'admission	Reed valve À clapets
		Cylinder / crankcase transfers n° N° de canaux cylindre / carter	3 / 3
Carburetor Tillotson Carburateur Tillotson	HW-27A (Ø27 Venturi)	Inlet / exhaust ports number N° lumières admis / échapp	3 / 3
Number of piston rings Nombre de segments	1	Combustion chamber shape Forme chambre de combustion	Spherical Sphérique
Big end conr. bearing diam. Diamètre roulement tête de bielle	20x26x15	Selettta or PVL ignition Allumage Selettta ou PVL	Digital
Crankshaft bearing diam. Diamètre roulement du vilebrequin	30x62x16	Distance between conrod centers Longueur (entraxe) de la bielle	102 mm
Small end conr. bearing diam. Diamètre roulement pied de bielle	14x18x17.5	RPM limiter Limiteur de régime	Yes Oui
Balancing shaft Arbre d'équilibrage	Yes Oui	Electric starter Démarreur électrique	Yes Oui

DESCRIPTION OF THE MATERIAL DESCRIPTION DES MATERIAUX		PISTON
Conrod material <del>Matériau de la bielle</del>	Steel <del>Acier</del>	 <p>Piston min. weight (ring incl.) 128 g <del>Poids min. piston (avec segment) 125 g</del></p>
Crankshaft material <del>Matériau du vilebrequin</del>	Steel <del>Acier</del>	
Balancing shaft material <del>Matériau de l'arbre d'équilibrage</del>	Steel <del>Acier</del>	
Gears material <del>Matériau des engrenages</del>	Steel <del>Acier</del>	
Starter ring material <del>Matériau de la couronne démarreur</del>	Steel <del>Acier</del>	
Head material <del>Matériau de la culasse</del>	Aluminium	DISTANCE BETWEEN CONROD CENTERS ENTRAXE DE LA BIELLE
Cylinder material <del>Matériau du cylindre</del>	Aluminium	 <p>Min. weight 110 g <del>Poids min. 110 g</del></p>
Liner material <del>Matériau de la chemise</del>	Iron Fonte	
Crankcase material <del>Matériau du carter</del>	Aluminium	
Piston material <del>Matériau du piston</del>	Aluminium	
Piston rings material <del>Matériau des segments</del>	Iron Fonte	
Exhaust muffler material <del>Matériau du pot d'échappement</del>	Sheet-steel <del>Tôle acier</del>	<p>CRANKSHAFT - VILEBREQUIN</p>  <p>CRANKSHAFT BALL BEARINGS ROULEMENTS A BILLES DU VILEBREQUIN</p> 
Ball-bearings <del>Roulements</del>	Type 6208	
BALANCING SHAFT ARBRE D'EQUILIBRAGE		 <p>Min. weight 315 g <del>Poids min. 315 g</del></p>

DIMENSIONS OF ALTERNATIVE CRANKSHAFT WITH ROLLER MAIN BEARINGS  
DIMENSIONS DU VILEBREQUIN ALTERNATIF AVEC ROULEMENTS A ROULEAUX



Crankshaft complete min. Weight 2220 g

~~Poids min. du vilebrequin~~

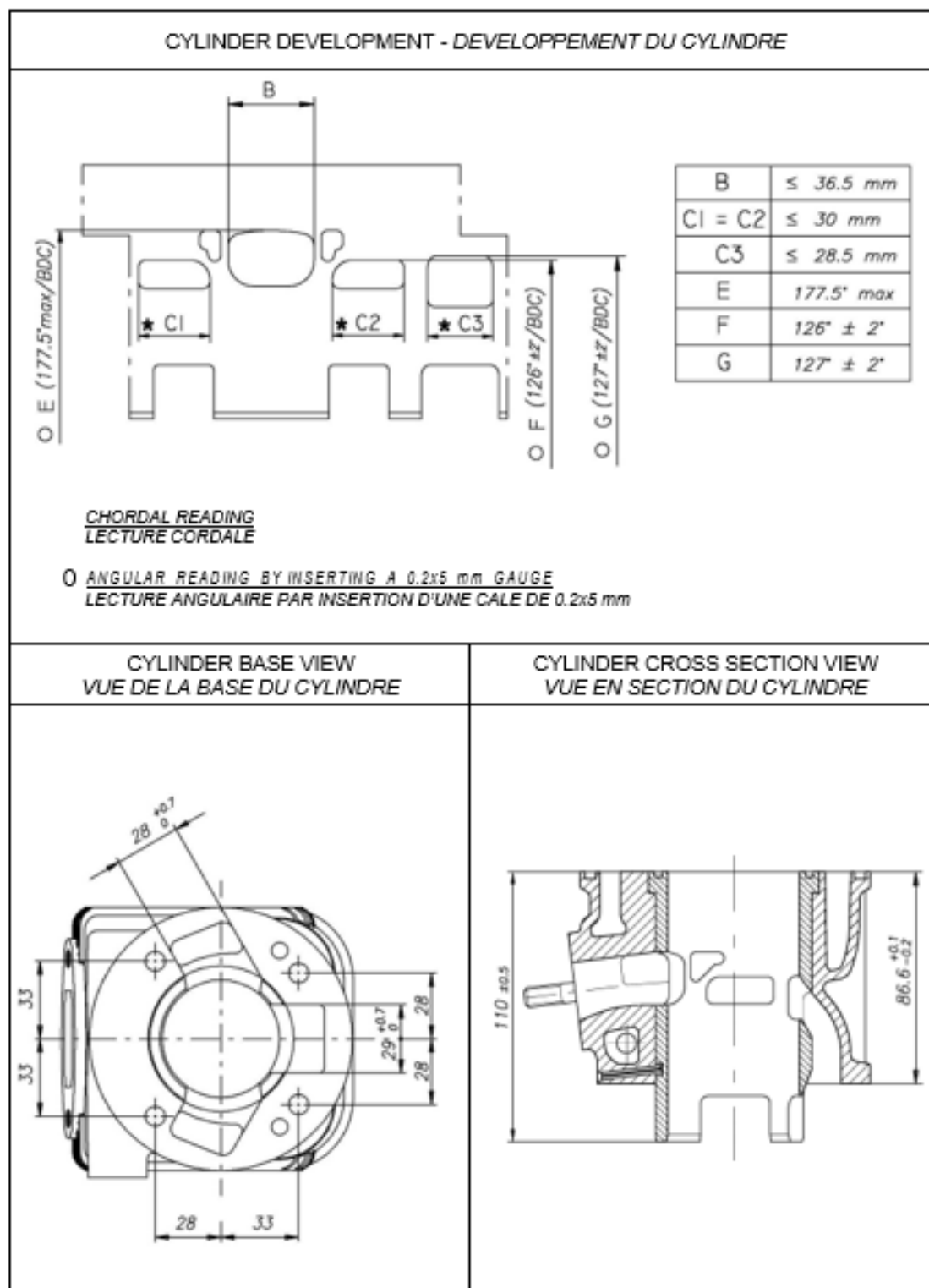
ROLLER MAIN BEARING  
ROULEMENTS A ROULEAUX DU VILEBREQUIN

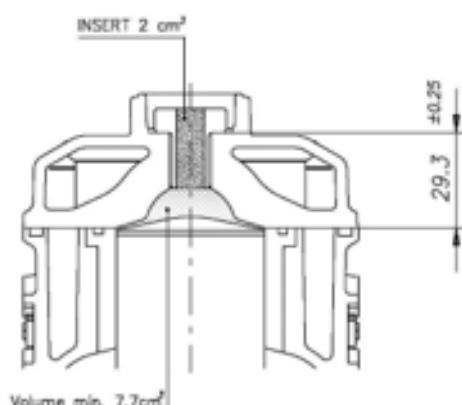
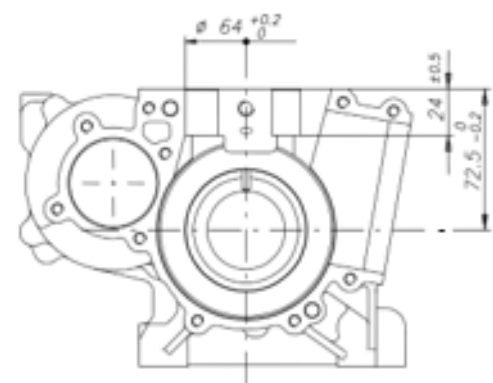
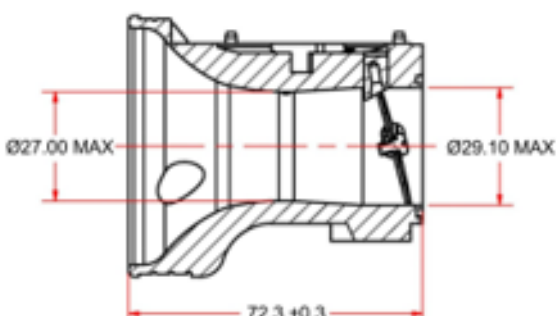
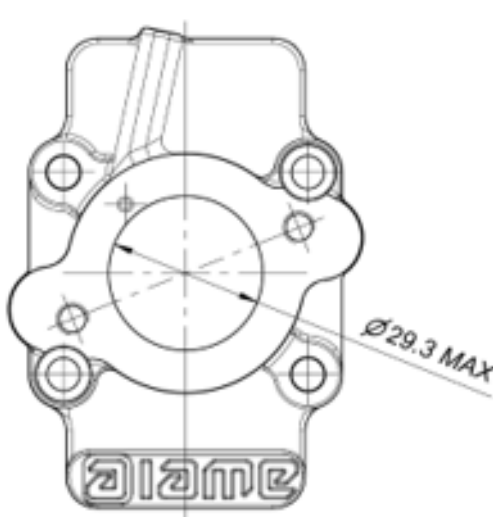


VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

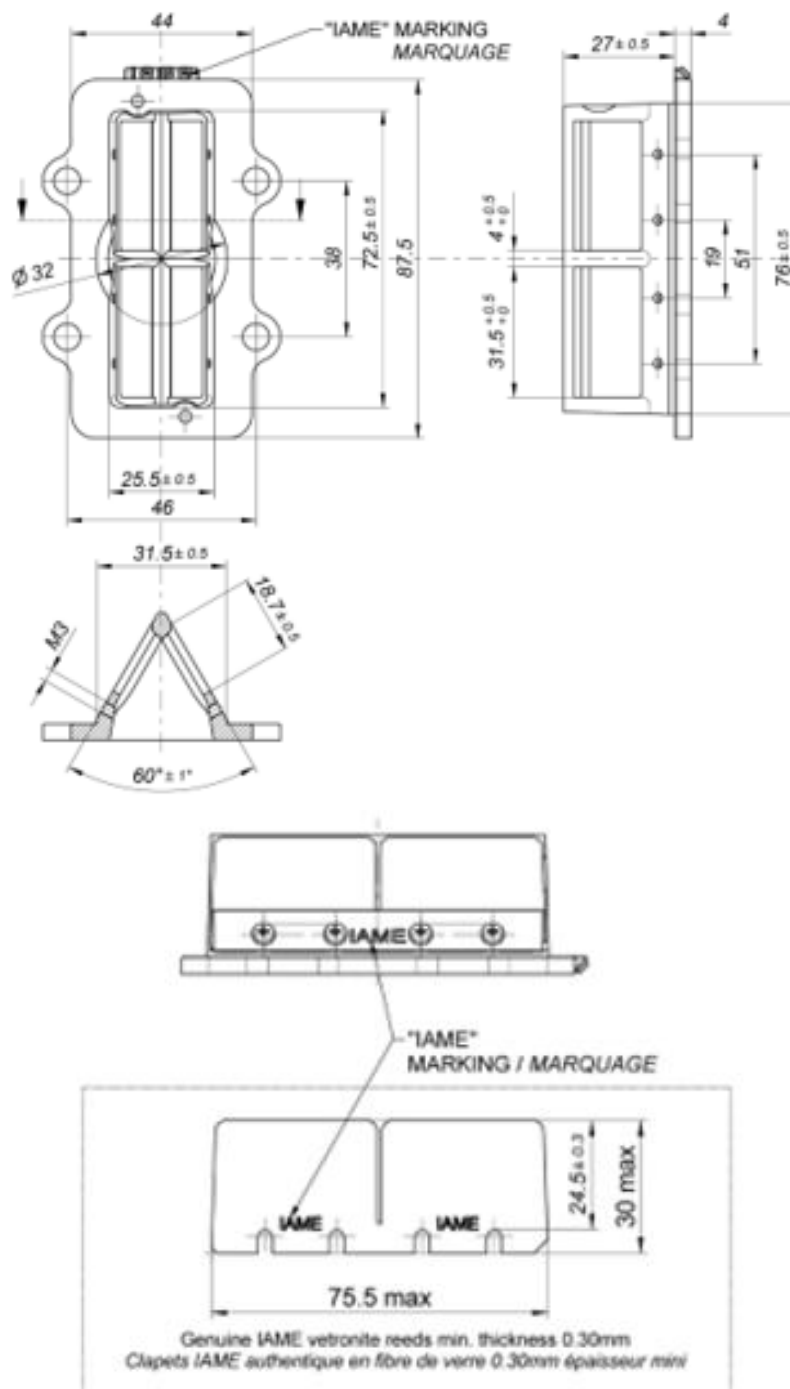
3

14/12/21 n° 254/W



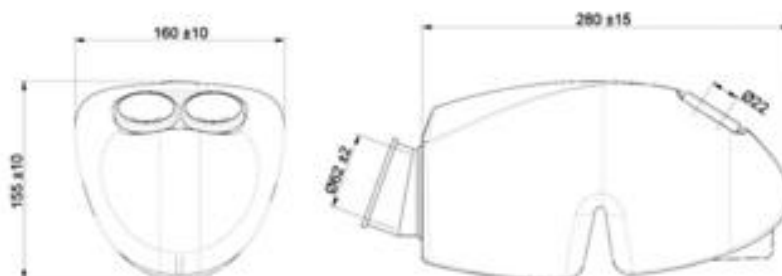
COMBUSTION CHAMBER VIEW VUE DE LA CHAMBRE DE COMBUSTION	CRANKCASE INSIDE VIEW VUE A L'INTERIEUR DU CARTER
 <p>Volume min. 7.7cm³</p> <p>COMBUSTION CHAMBER VOLUME TOT. = 9.7 cm³ min. VOLUME CHAMBRE COMBUSTION TOT. = 9.7 cm³ min.</p> <p>ATT : 8QUI8H MIN. = 0.80 mm (measured with Ø1.5mm TIN - mesuré avec de l'étain Ø1.5mm)</p>	
VENTURI CARB. DIMENSIONS DIMENSIONS DU VENTURI DU CARBURATEUR	INLET CONVEYOR DIMENSIONS CONVOYEUR D'ADMISSION
	

REED VALVE - DIMENSIONS AND MARKING  
BOÎTE À CLAPETS - DIMENSIONS ET MARQUAGE

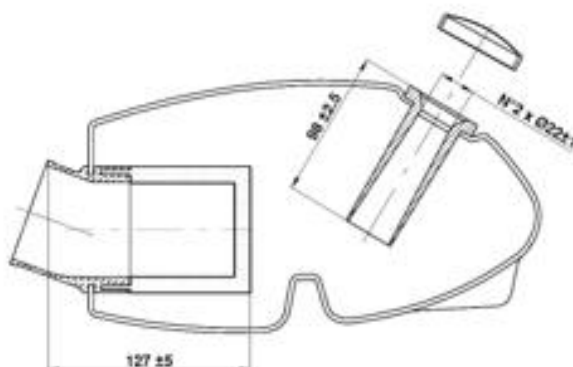




INLET SILENCER – DRAWING  
DESSIN DU SILENCIEUX D'ASPIRATION



WITH SPONGE AIR FILTER  
AVEC MANCHON COMPLET ET FILTRE À AIR



INLET SILENCER - PHOTO  
PHOTO - SILENCIEUX D'ASPIRATION

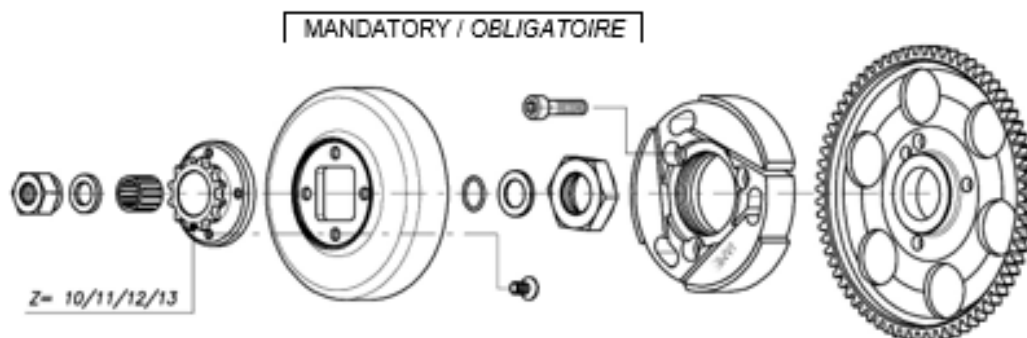


VOIDS AND REPLACES THE FORM N° 254/V OF 21/12/20  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

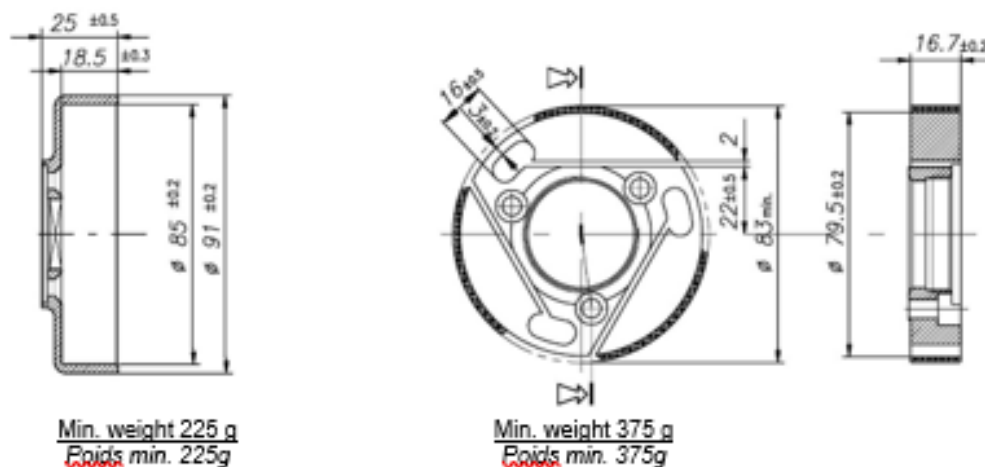
7

14/12/21 n° 254/W

DESCRIPTION OF THE CLUTCH - DESCRIPTION DE L'EMBRAYAGE

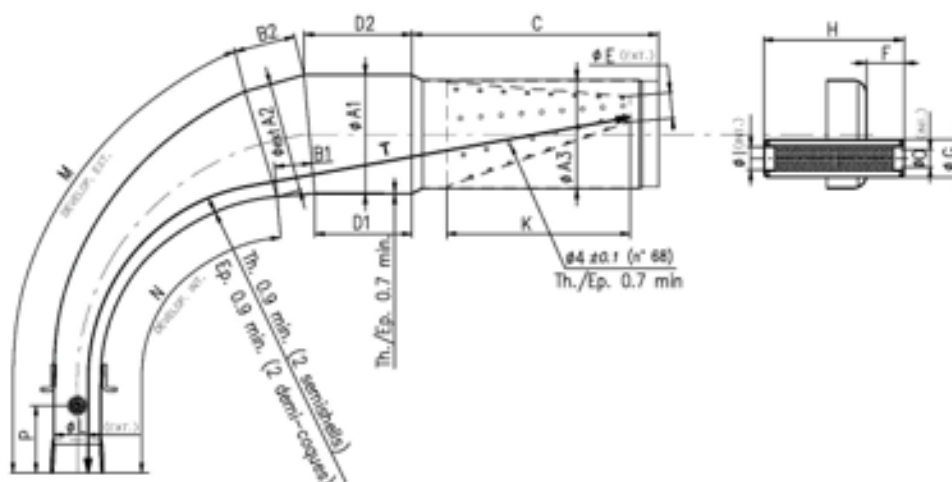


COMPONENTS OF THE CLUTCH – COMPOSANTS DE L'EMBRAYAGE





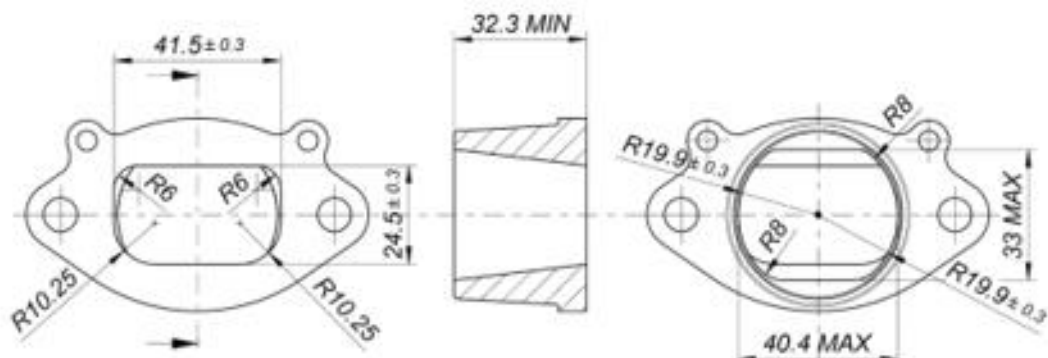
EXHAUST MUFFLER VIEW AND DIMENSIONS  
VUE ET DIMENSIONS DU SILENCIEUX D'ÉCHAPPEMENT



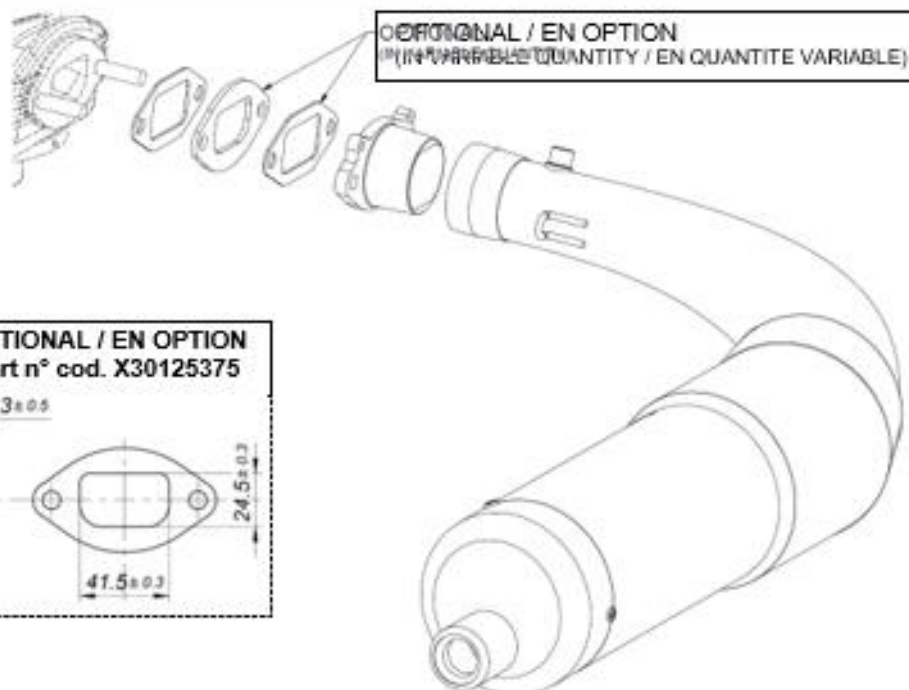
A1: $110 \pm 1.5$	B1: $59 \pm 3$	D1: $89.5 \pm 3$	F: $36 \pm 2$	I: $21 \pm 1$	M: $435 \pm 3$	P: $50 \pm 10$
A2: $102 \pm 1.5$	B2: $59 \pm 3$	D2: $109 \pm 3$	G: $35 \pm 1$	K: $170 \pm 3$	N: $340 \pm 3$	T: $690 \pm 5$
A3: $100 \pm 1.5$	C: $219 \pm 3$	E: $23 \pm 2$	H: $132 \pm 2$	L: $42.5 \pm 1.5$	O: $21 \pm 1$	

Min. Weight 1,78 kg  
 ~~Poids min. 1,78 kg~~

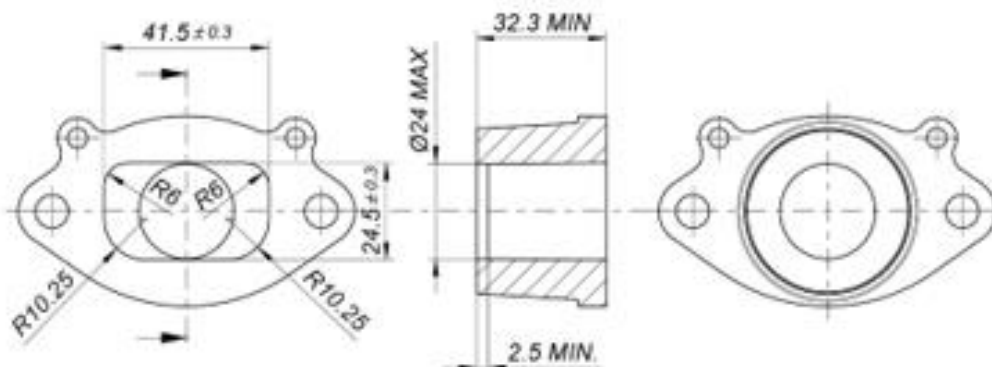
SENIOR EXHAUST FITTING  
RACCORD D'ÉCHAPPEMENT SENIOR



SENIOR EXHAUST INSTALLATION  
INSTALLATION DE L'ÉCHAPPEMENT SENIOR



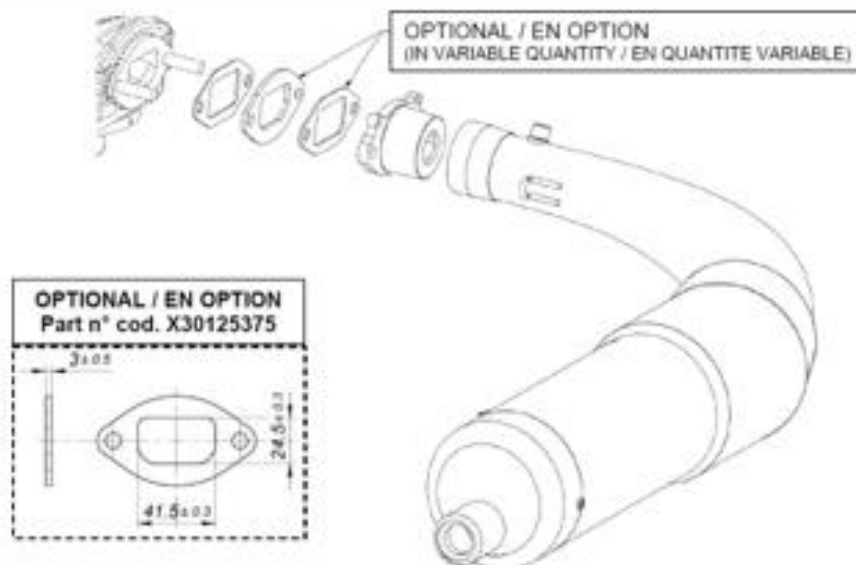
EXHAUST FITTING WITH Ø24 RESTRICTOR  
RACCORD D'ÉCHAPPEMENT AVEC RESTRICTEUR Ø24



EXHAUST FITTING WITH Ø24 RESTRICTOR MARKING  
MARQUAGE D'IDENTIFICATION DU RACCORD D'ÉCHAPPEMENT AVEC RESTR. Ø24

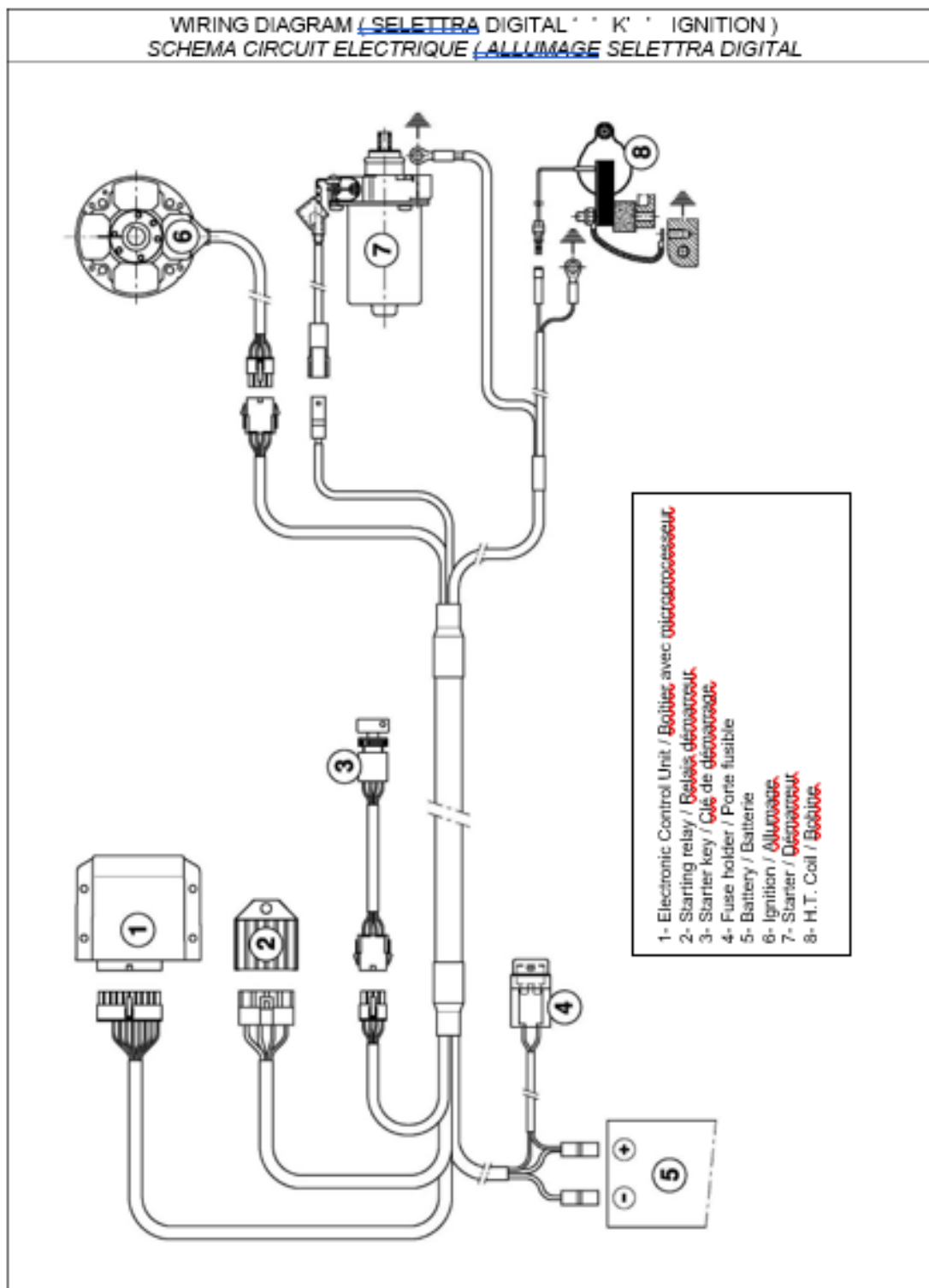


EXHAUST WITH Ø24 RESTRICTOR INSTALLATION  
INSTALLATION DE L'ÉCHAPPEMENT AVEC RESTRICTEUR Ø24

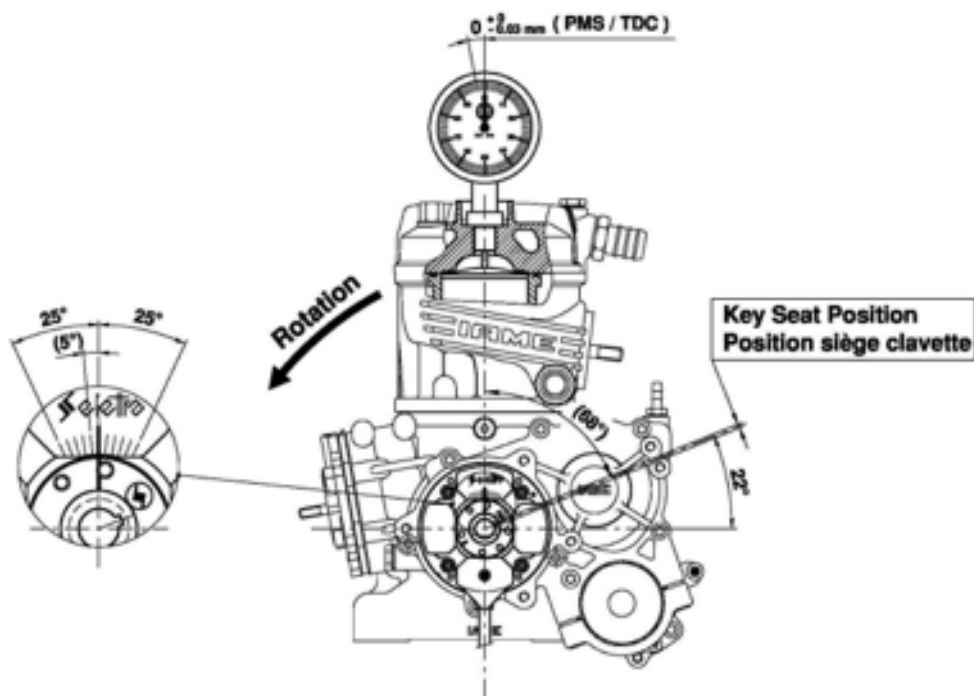


VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

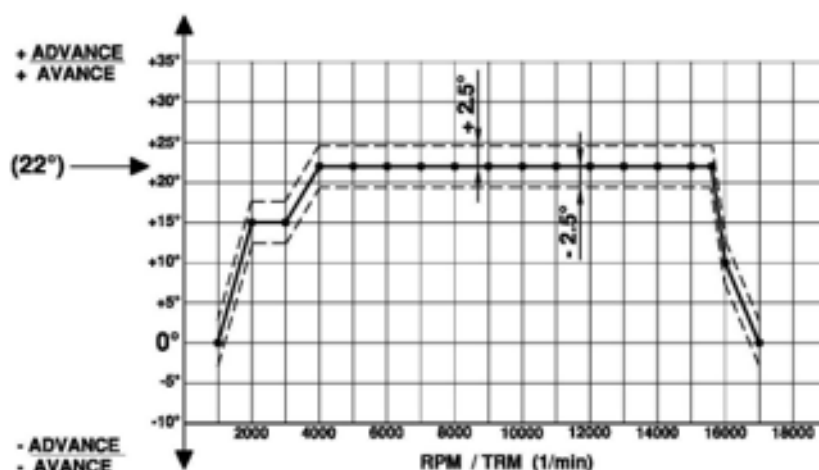
14/12/21 n° 254/W



SCHEME FOR ADVANCE CONTROL  
SCHEMA POUR CONTROLE DE L'AVANCE



ADVANCE CURVE GRAPHS / GRAPHIQUES DE LA COURBE D'AVANCE



ELECTRONIC BOX MARKING  
MARQUAGE DU BOITIER ELECTRONIQUE

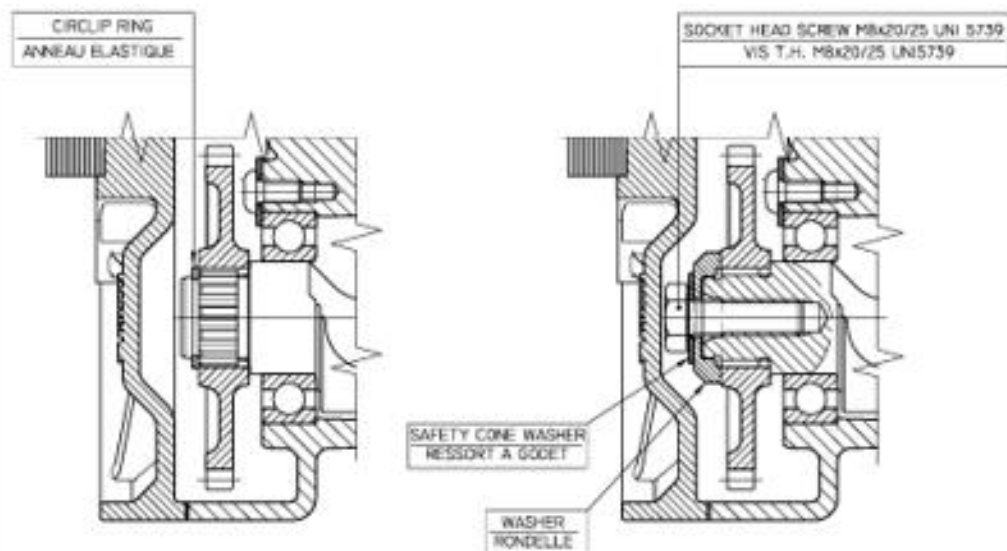


PRODUCTION DATE  
DATE DE PRODUCTION

SUPPLIER PART NUMBER  
N° REF. FOURNISSEUR

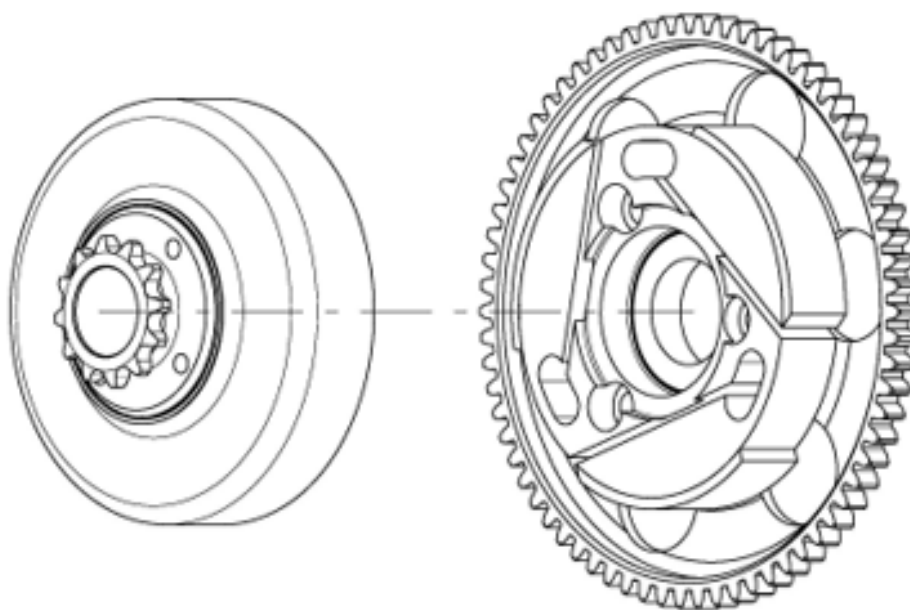
IAME MARKING  
MARQUAGE IAME

GEAR ALTERNATIVE FIXING  
FIXATION ALTERNATIVE DE L'ENGRENAGE





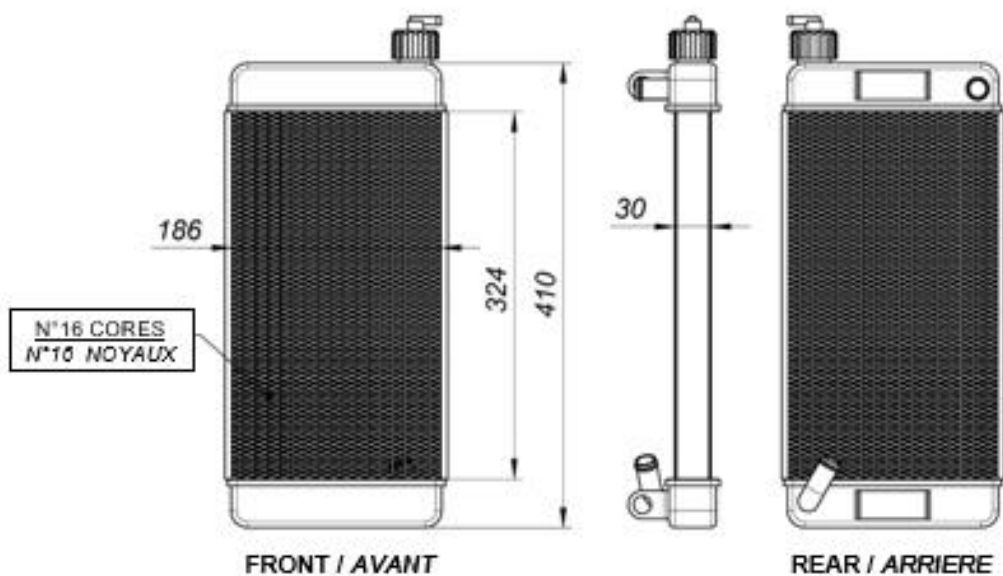
DESCRIPTION OF THE CLUTCH - DESCRIPTION DE L'EMBRAYAGE



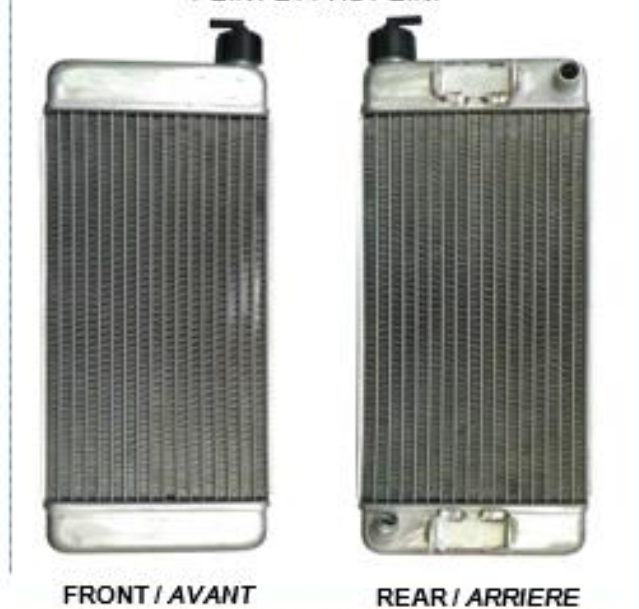
Min. weight 300 g  
~~Poids min. 300 g~~

Min. weight 680 g  
~~Poids min. 680 g~~

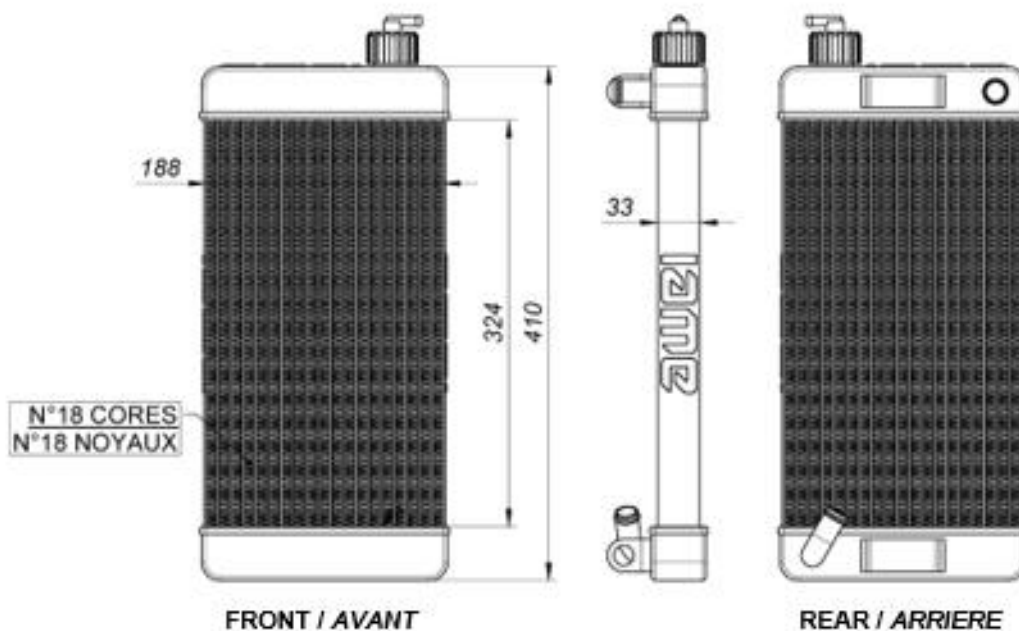
**RADIATOR DESCRIPTION AND SKETCH OF PARTS**  
**DESCRIPTION DU RADIATEUR ET SCHEMA ILLUSTRANT LES ELEMENTS**



**PAINTED AND NOT PAINTED**  
**PEINT ET PAS PEINT**



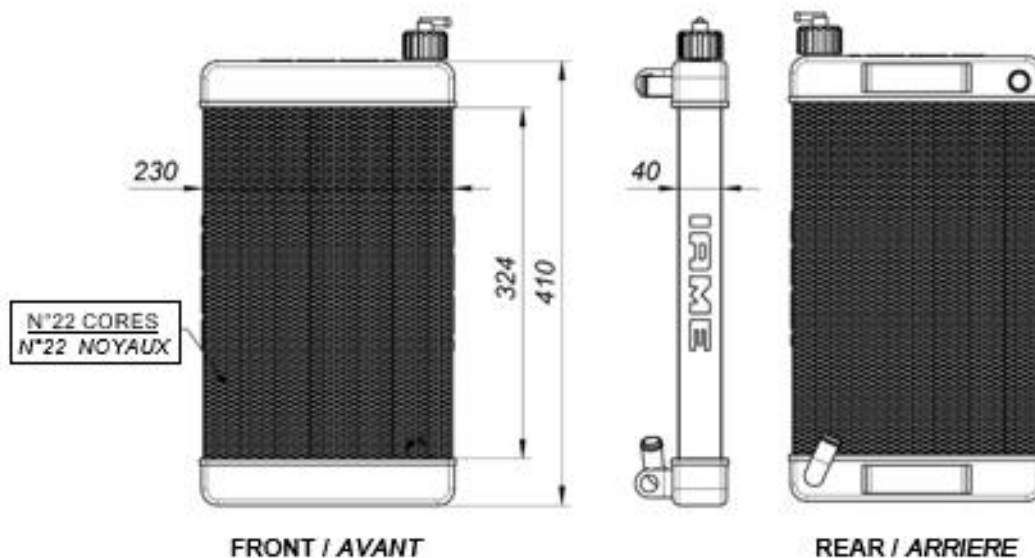
RADIATOR ALTERNATIVE DESCRIPTION AND SKETCH  
DESCRIPTION DU RADIATEUR ALTERNATIF



VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20 18  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

14/12/21 n° 254/W

RADIATOR ALTERNATIVE DESCRIPTION AND SKETCH  
DESCRIPTION DU RADIATEUR ALTERNATIF

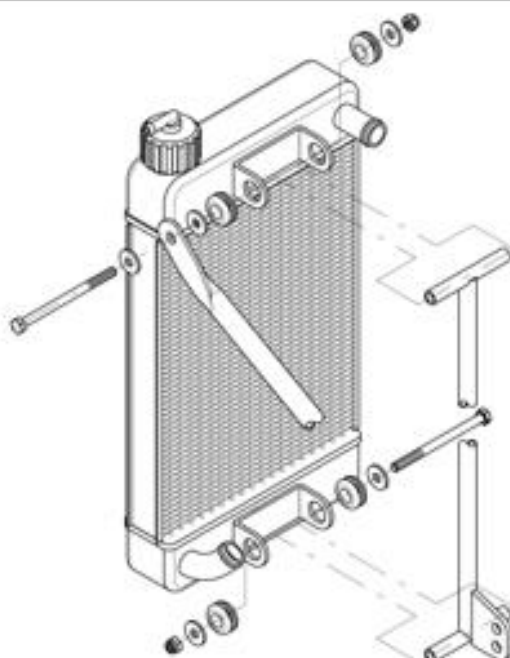


VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

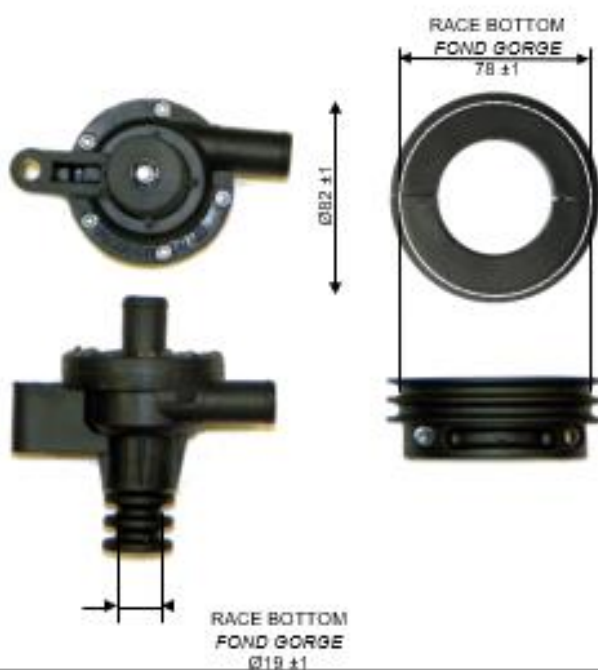
19

14/12/21 n° 254/W

RADIATOR AND ITS SUPPORTS  
RADIATEUR ET SES SUPPORTS



WATER PUMP GROUP  
GROUPE POMPE A' EAU



THERMOSTAT

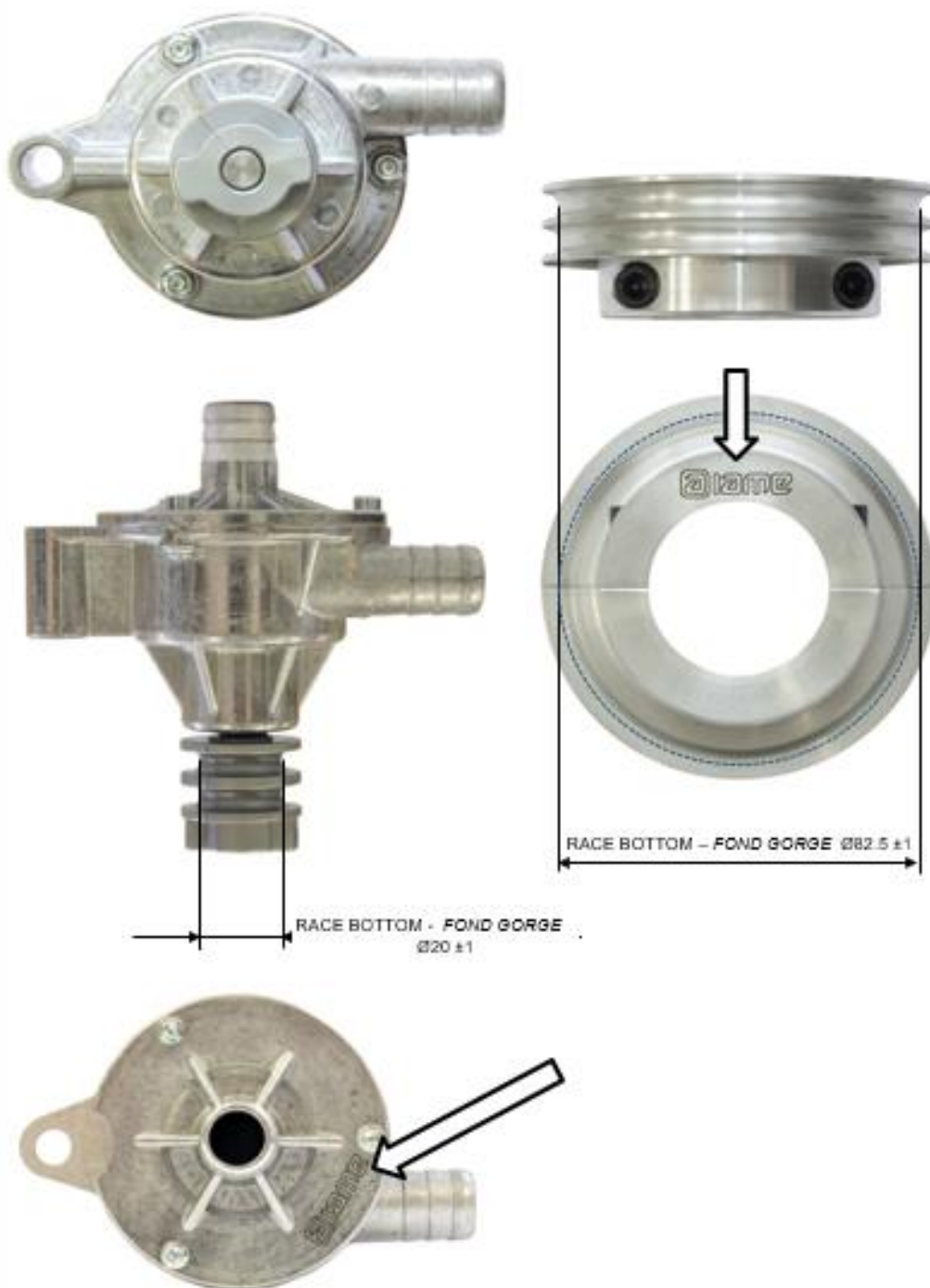


ALTERNATIVE  
ALTERNATIF





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



VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20 21  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

14/12/21 n° 254/W



ALTERNATIVE RADIATOR SUPPORT  
SUPPORT ALTERNATIF DU RADIATEUR



PISTON IDENTIFICATION MARKING  
MARQUAGE D'IDENTIFICATION PISTON

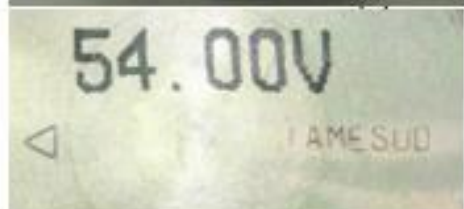


PHOTO IDENTIFICATION CONROD  
PHOTO D'IDENTIFICATION BIELLE

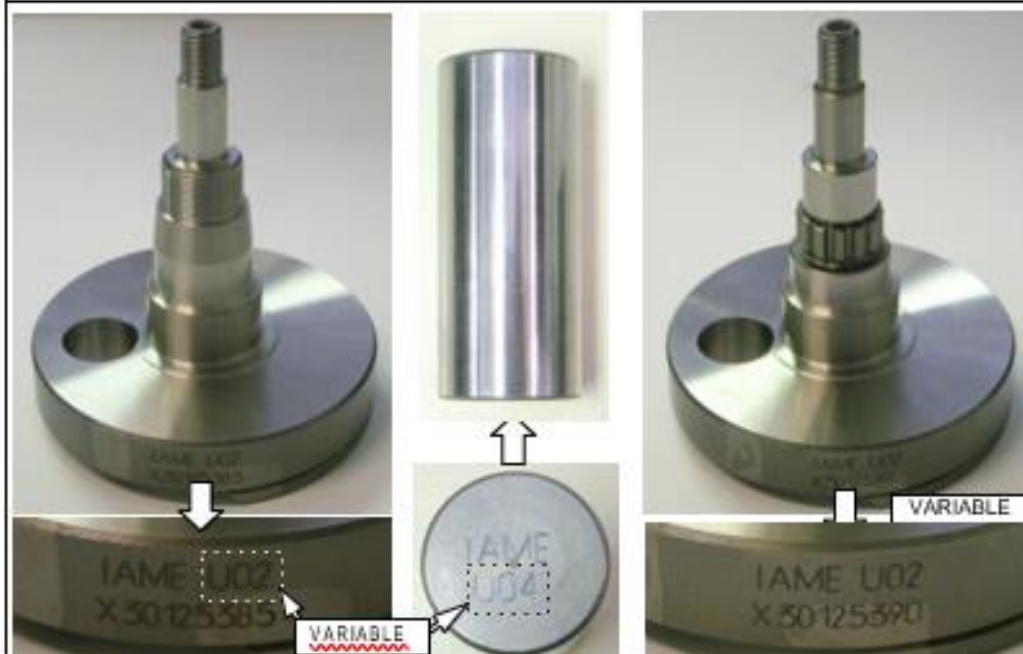


IDENTIFICATION BALANCING SHAFT  
MARKING  
MARQUAGE D'IDENTIFICATION ARBRE  
D'EQUILIBRAGE



VARIABLE

CRANKSHAFT IDENTIFICATION MARKING  
MARQUAGE D'IDENTIFICATION DU VILEBREQUIN



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

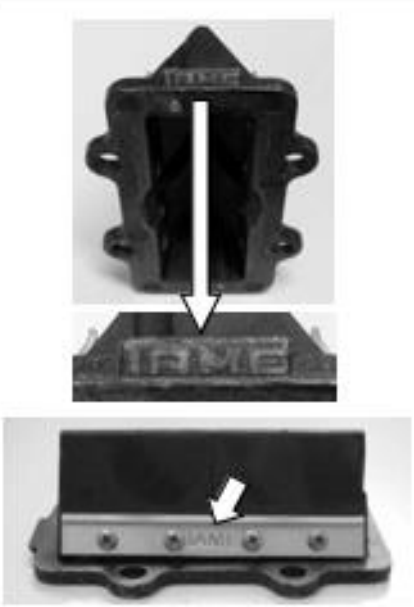
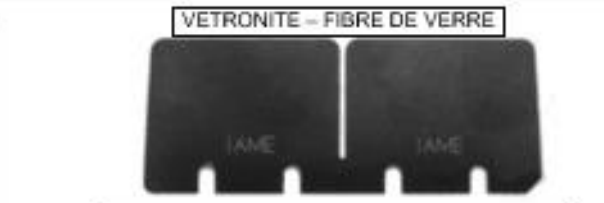
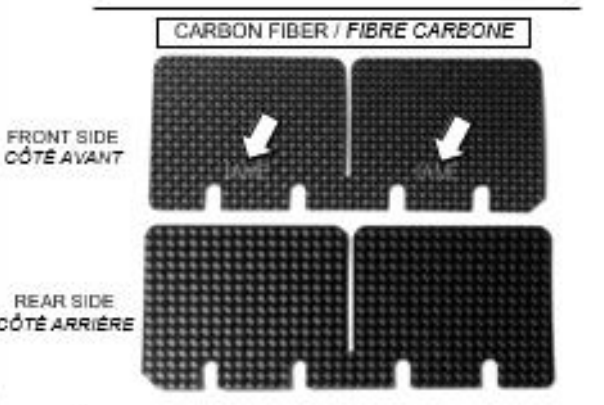




SPROCKET IDENTIFICATION MARKING  
MARQUAGE D'IDENTIFICATION DU PIGNON



<p><b>CLUTCH BODY IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION DU CORPS DE L'EMBRAYAGE</b></p> 	<p><b>CLUTCH DRUM IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION DE LA CALOTTE</b></p> 
<p><b>STARTER RING IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION DE LA COURONNE DE DEMARRAGE</b></p> 	<p><b>STARTER IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION DU DEMARREUR</b></p> 



<b>REED GROUP &amp; PETALS IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION DE LA BOÎTE À CLAPETS ET CLAPETS</b>	
	<p><b>VETRONITE – FIBRE DE VERRE</b></p>  <p><b>CARBON FIBER / FIBRE CARBONE</b></p> <p>FRONT SIDE CÔTÉ AVANT</p>  <p>REAR SIDE CÔTÉ ARRIÈRE</p>
<b>PHOTO IDENTIFICATION CARBURETOR INLET CONVEYOR</b> <b>MARQUAGE D'IDENTIFICATION DU COLLECTEUR D'ASPIRATION</b>	<b>EXHAUST SILENCER IDENTIFICATION MARKING</b> <b>MARQUAGE D'IDENTIFICATION ECHAPPEMENT</b>
	

**STATOR IDENTIFICATION MARKING**  
**MARQUAGE D'IDENTIFICATION DU STATOR**



**CLUTCH COVER AND H.T. COIL IDENTIFICATION MARKING**  
**MARQUAGE DU COUVERCLE D'EMBRAYAGE ET DE LA BOBINE**





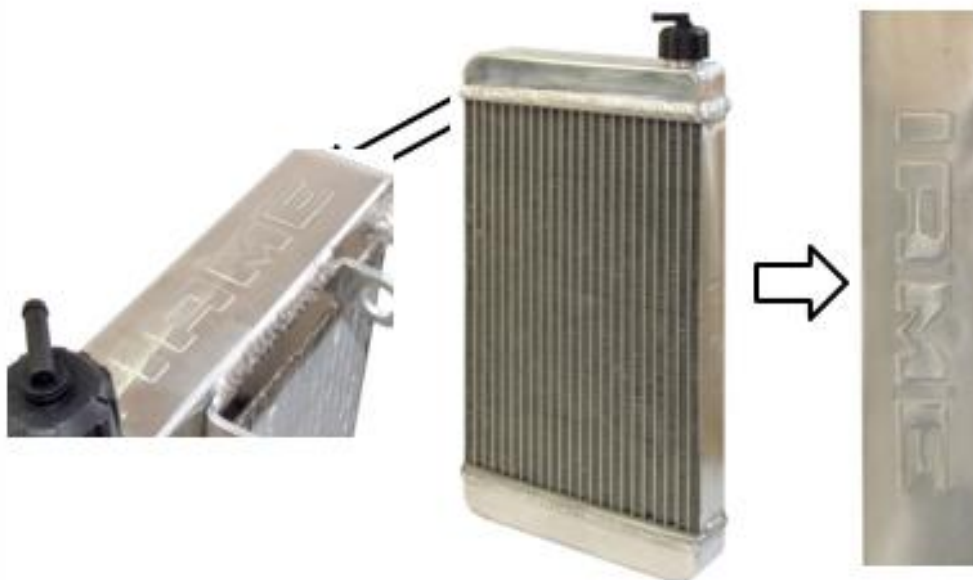
BENDIX COVER IDENTIFICATION MARKING  
MARQUAGE D'IDENTIFICATION DU COUVERCLE  
DU CONTRE-ARBRE DE DEMARRAGE



ALTERNATIVE



ALTERNATIVE RADIATOR IDENTIFICATION MARKING  
MARQUAGE ALTERNATIF D'IDENTIFICATION DU RADIATEUR





**FROM 2014 ON - A PARTIR DE 2014**

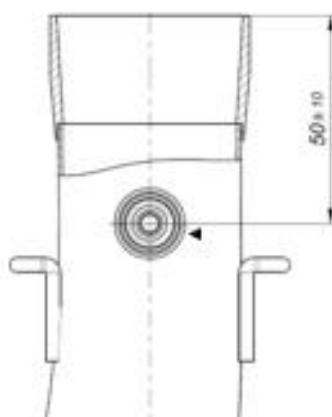
**STICKER APPLICATION AREA - ESPACE POUR L'APPLICATION DES ADHÉSIFS**



**ALTERNATIVE AREA / ZONE ALTERNATIVE**

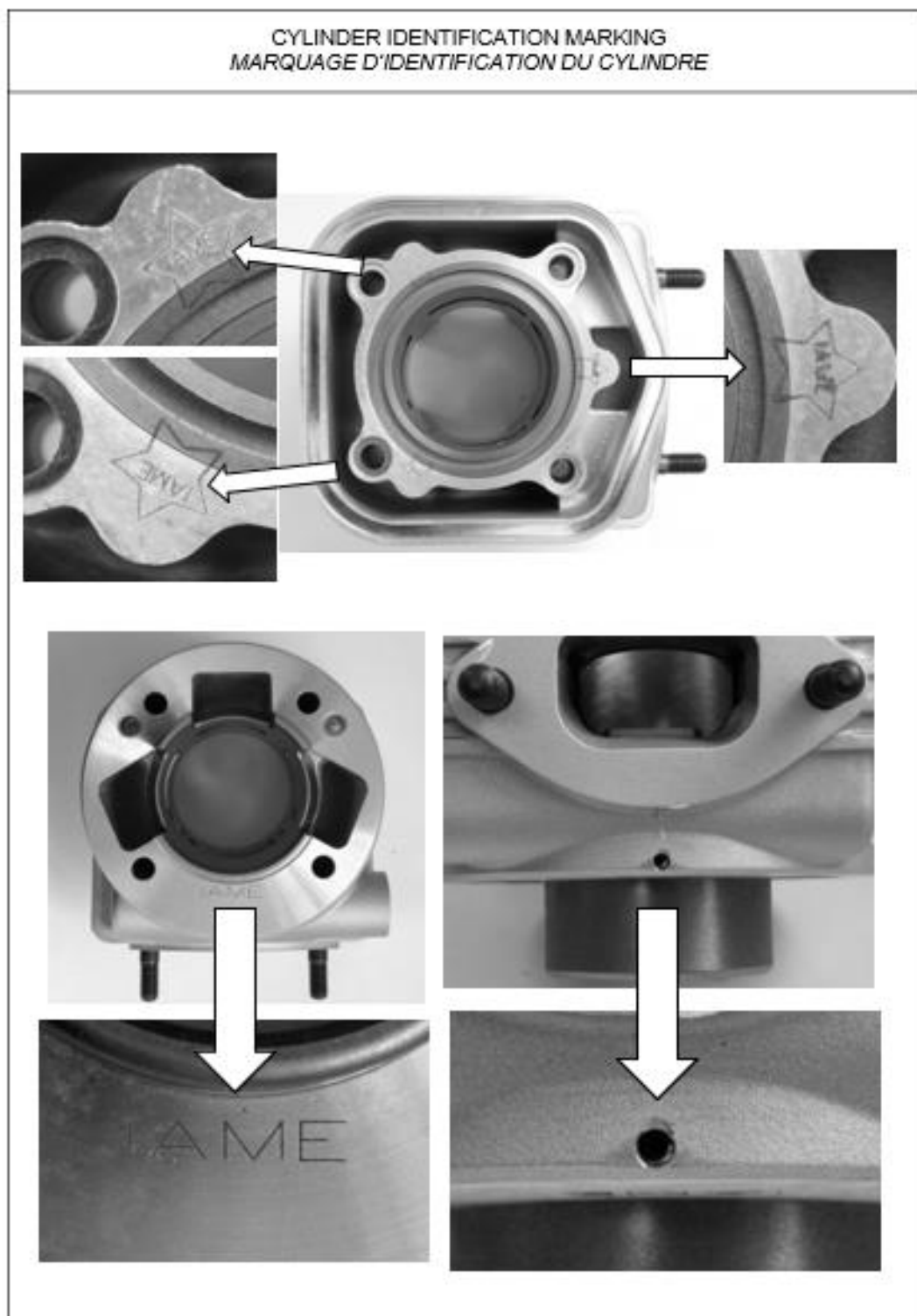


**EXHAUST TEMPERATURE SENSOR  
CAPTEUR DE TEMPERATURE D'ÉCHAPPEMENT**



**EXHAUST  
TEMPERATURE  
SENSOR POSITION  
(OPTIONAL)**

**POSITION DU  
CAPTEUR  
DE TEMPERATURE  
D'ÉCHAPPEMENT  
(EN OPTION)**



ALTERNATIVE PUSH BUTTONS – START & STOP  
BOUTONS ALTERNATIF "START & STOP" DU DEMARREUR





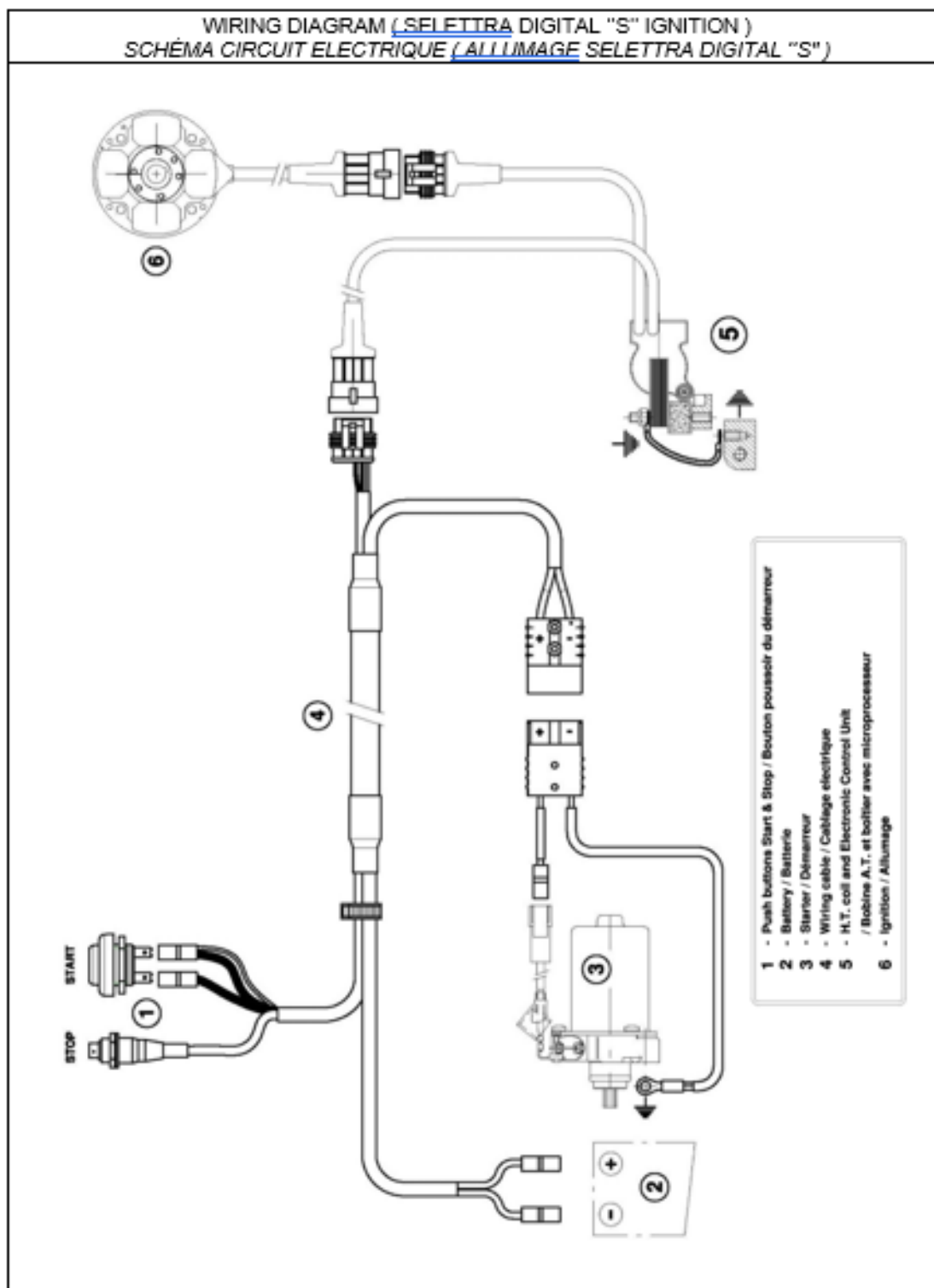
PHOTO COMPLETE ALTERNATIVE WIRING LOOM  
PHOTO DU CABLAGE ELECTRIQUE COMPLET ALTERNATIF



PHOTO OF SELETTRA ALTERNATIVE DIGITAL "S" IGNITION, WITH IAME MARKING  
PHOTO DE L'ALLUMAGE SELETTRA DIGITAL "S", AVEC MARQUAGE IAME



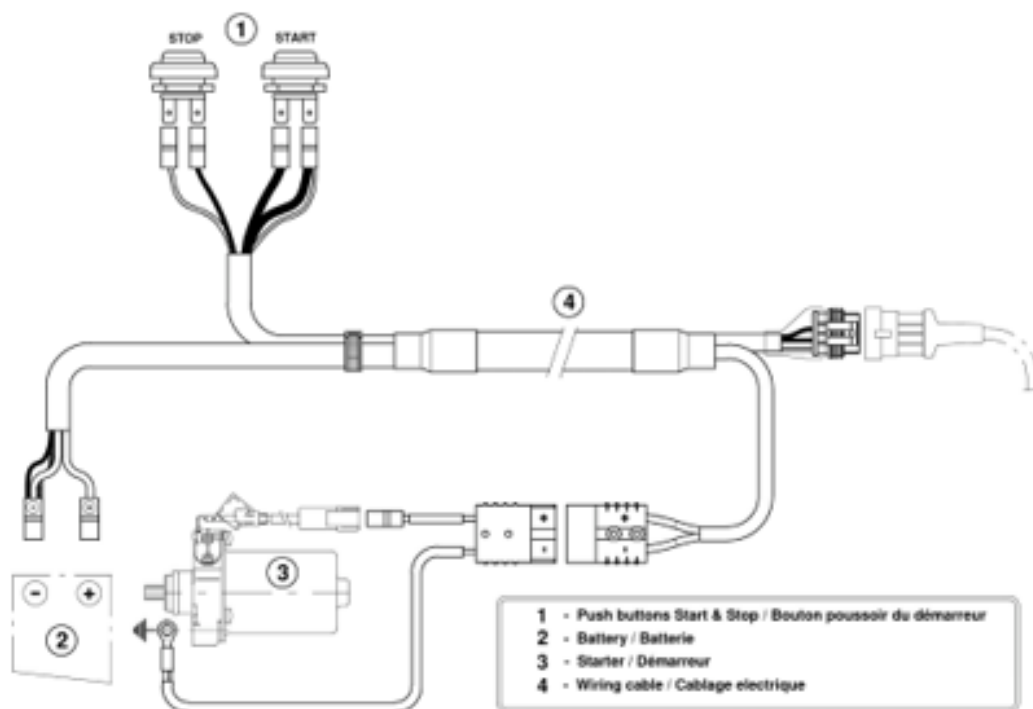




ALTERNATIVE WIRING LOOM  
CABLAGE ELECTRIQUE COMPLET ALTERNATIF



ALTERNATIVE WIRING LOOM DIAGRAM  
SCHÉMA CIRCUIT ELECTRIQUE ALTERNATIF



ALTERNATIVE WIRING LOOM  
CABLAGE ELECTRIQUE COMPLET ALTERNATIF



ALTERNATIVE WIRING LOOM DIAGRAM  
SCHÉMA CIRCUIT ELECTRIQUE ALTERNATIF

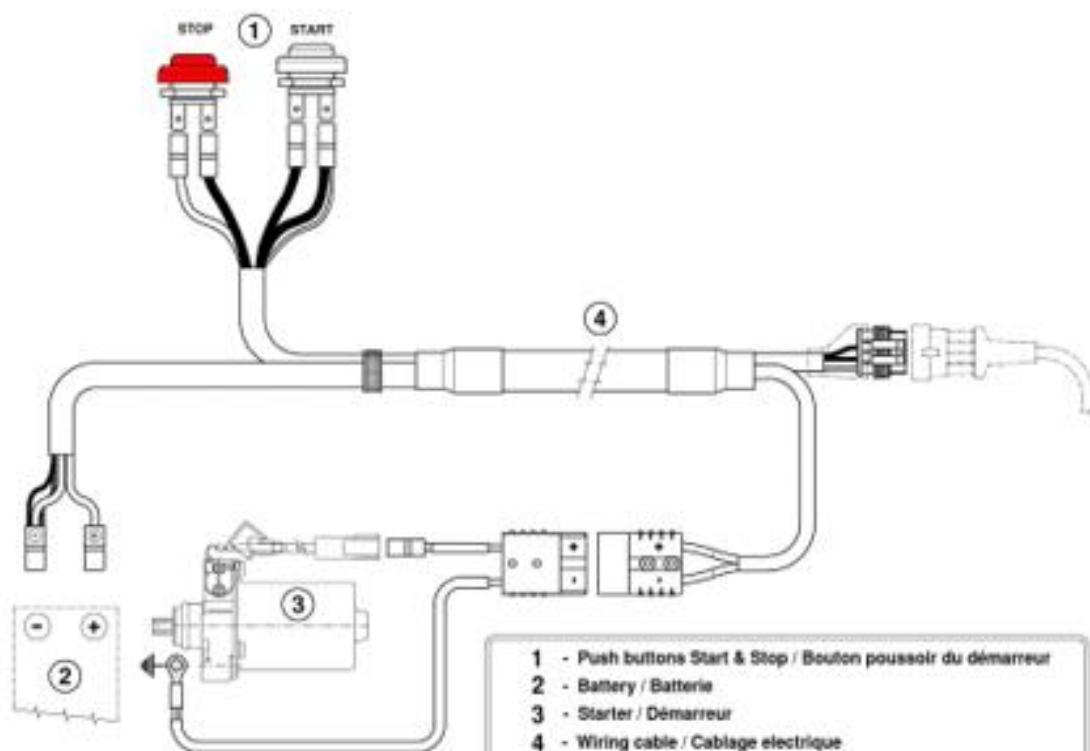

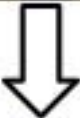



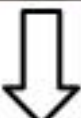


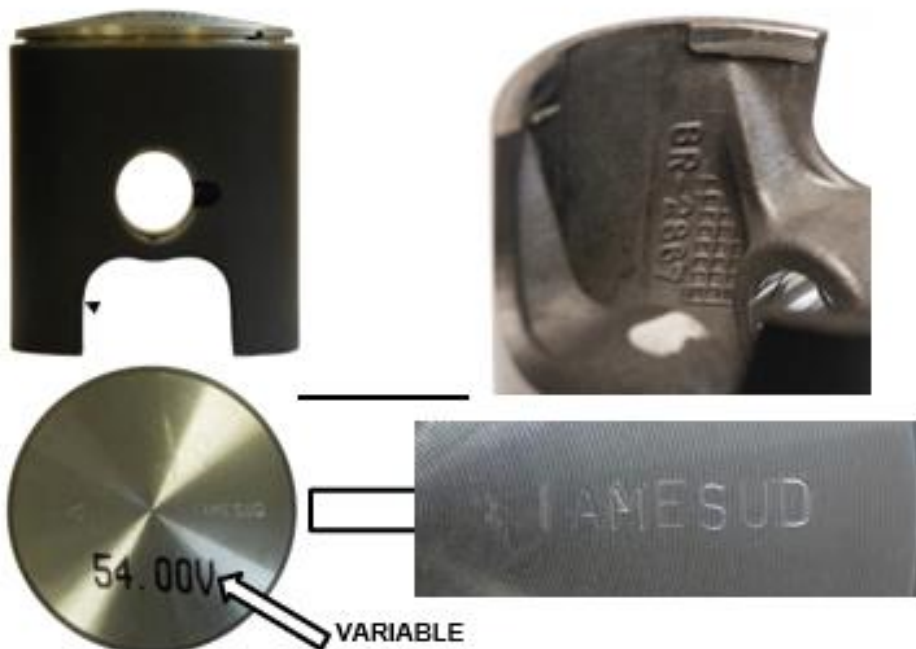
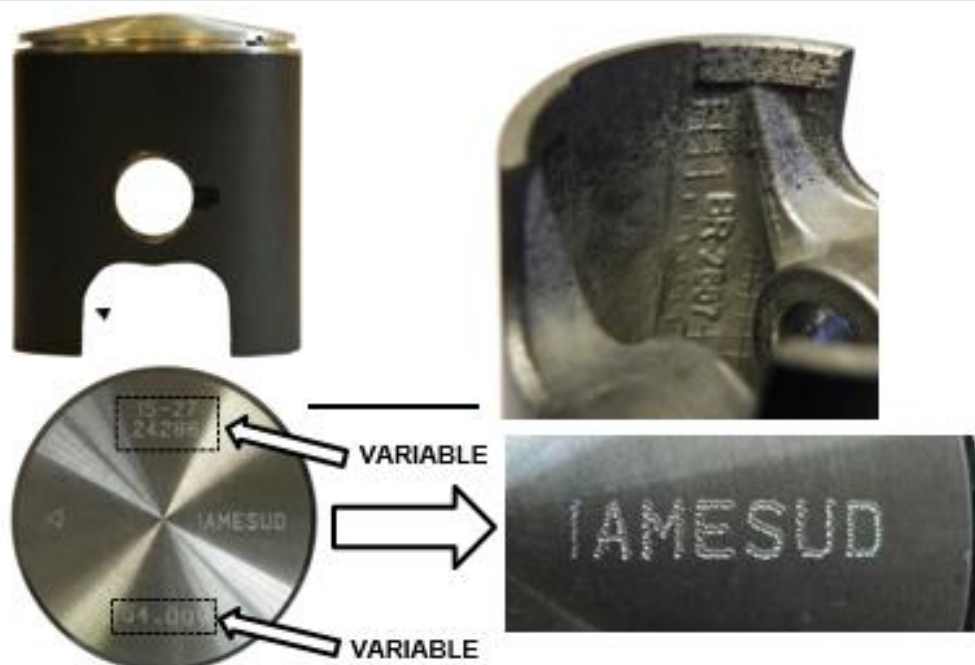


PHOTO IDENTIFICATION REED GROUP PHOTO IDENTIFICATION BOÎTE À CLAPETS	
ACTUAL VERSION VERSION COURANTE	ALTERNATIVE VERSION VERSION ALTERNATIVE
   	   

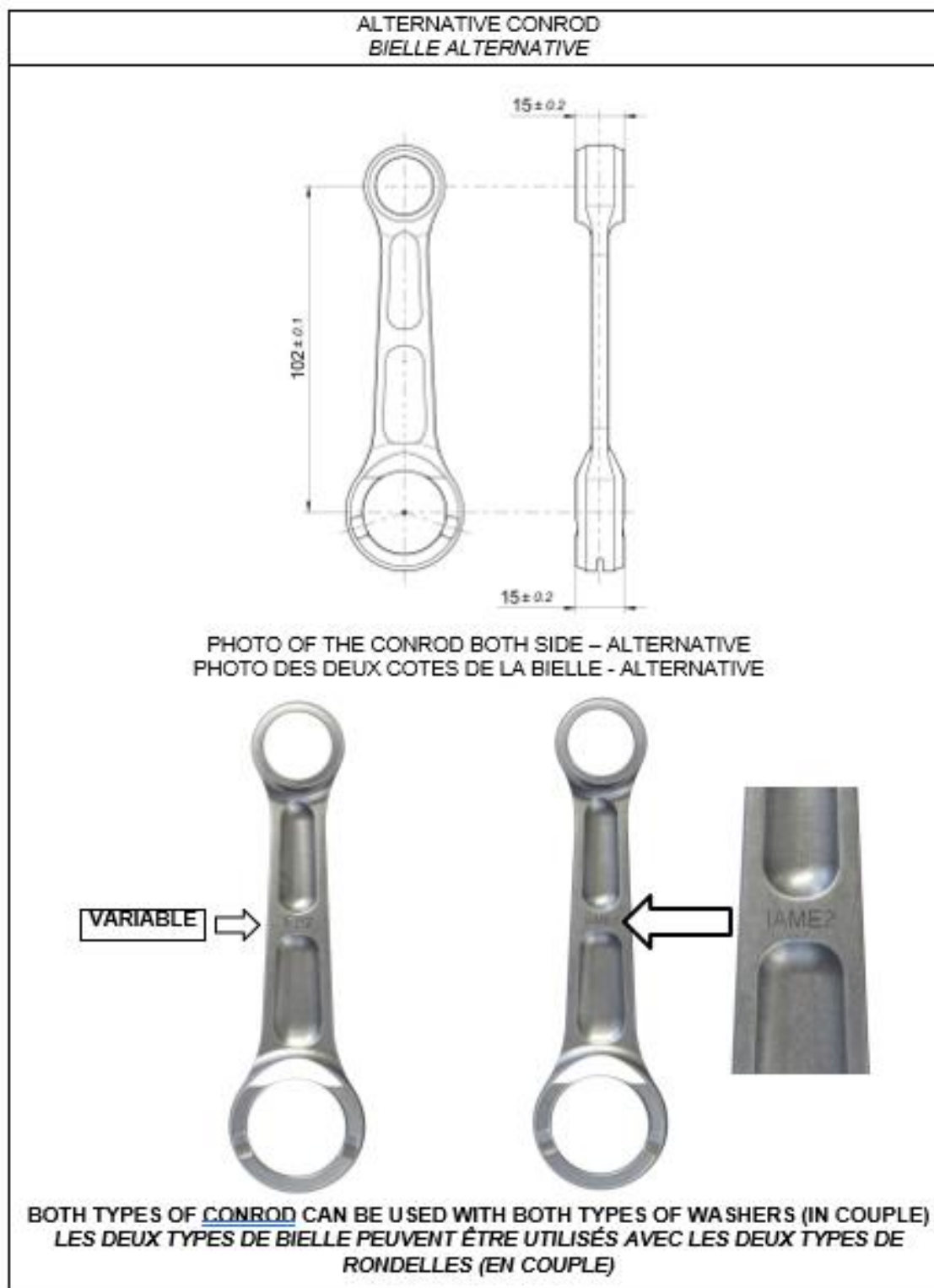
ACTUAL PISTON  
PISTON COURANT



ALTERNATIVE PISTON  
PISTON ALTERNATIF







**PHOTO IDENTIFICATION OF SMALL END CONROD BEARING – TYPES ALTERNATIVE**  
**PHOTO D'IDENTIFICATION DU ROULEMENT PIED DE BIELLE – TYPES ALTERNATIFS**

**TYPE 1**



**TYPE 2**



**PHOTO IDENTIFICATION OF CONROD WASHER – TYPES ALTERNATIVE**  
**PHOTO D'IDENTIFICATION RONDELLE DE BIELLE – TYPES ALTERNATIVES**







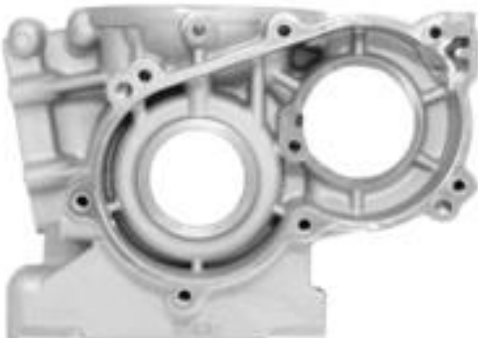

**TYPE 1**






**TYPE 2**



**PARTS WITH ALTERNATIVE NEW LOGO "IAME"**  
**COMPOSANTS AVEC UN NOUVEAU LOGO ALTERNATIF «IAME»**

CYLINDER HEAD CULASSE	CYLINDER CYLINDRE
 <p><b>NEW / NOUVEAU LOGO</b></p> 	 <p><b>NEW / NOUVEAU LOGO</b></p> 
SEMICARTER TRANSMISSION SIDE DEMI-CARTER CÔTÉ PIGNON	SEMICARTER IGNITION SIDE DEMI-CARTER CÔTÉ ALLUMAGE
 <p><b>NEW / NOUVEAU LOGO</b></p> 	 <p><b>NEW / NOUVEAU LOGO</b></p> 

**PARTS WITH ALTERNATIVE NEW LOGO "IAME"**  
**COMPOSANTS AVEC UN NOUVEAU LOGO ALTERNATIF «IAME»**

<p>IGNITION COVER COUVERCLE DE L'ALLUMAGE</p>  <p>NEW / NOUVEAU LOGO</p> 	<p>CLUTCH COVER COUVERCLE D'EMBRAYAGE</p>  <p>NEW / NOUVEAU LOGO</p> 
<p>REED GROUP GROUPE CLAPETS</p>  <p>NEW / NOUVEAU LOGO</p> 	<p>CARBURETTOR INLET CONVEYOR CONVOYEUR D'ADMISSION</p>  <p>NEW / NOUVEAU LOGO</p> 

VOIDS AND REPLACES THE FORM n° 254/W OF 21/12/20 42  
ANNULE ET REMPLACE LA FICHE n° 254/W DU 21/12/20

14/12/21 n° 254/W



**PARTS WITH ALTERNATIVE NEW LOGO "IAME"**  
**COMPOSANTS AVEC UN NOUVEAU LOGO ALTERNATIF «IAME»**

RADIATOR RADIATEUR	EXHAUST SILENCER ECHAPPEMENT
<p>NEW / NOUVEAU LOGO</p> 	<p>NEW / NOUVEAU LOGO</p>  <p>NEW / NOUVEAU LOGO</p>  <p>BALANCING SHAFT</p> <p>NEW / NOUVEAU LOGO</p>  

VOIDS AND REPLACES THE FORM n° 254/V OF 21/12/20  
ANNULE ET REMPLACE LA FICHE n° 254/V DU 21/12/20

43

14/12/21 n° 254/W



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

LES AUTRES COMPOSANTS DU MOTEUR AVEC COMME MARQUAGE (LASER OU POINÇONNEUSE) L'ANCIEN LOGO OU ÉCRIT «IAME»

IAME

or

**IAME**

NOW COULD BE MARKED WITH NEW LOGO "IAME"

POURRAIENT MAINTENANT ÊTRE MARQUÉS AVEC LE NOUVEAU LOGO "IAME"

iaame

or

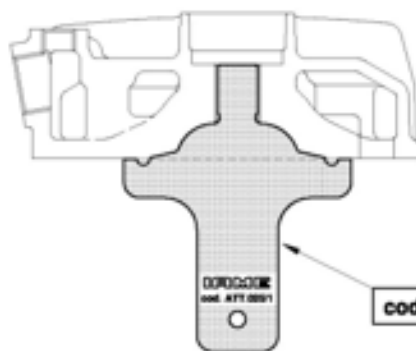
@iaame

or

@

IAME TOOLS – OUTILS IAME POUR LE CONTROLE DU MOTEUR

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



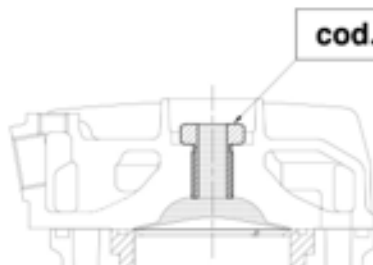
cod. n° ATT. 025 / 1

CONTROL OF THE PISTON DOME  
 CONTRÔLE DU DÔME DE PISTON



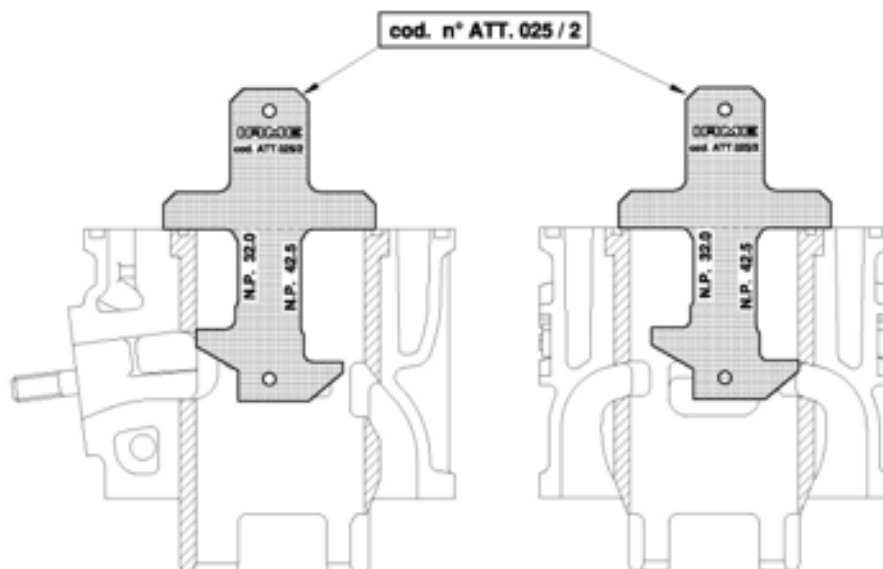
cod. n° ATT. 035 / 2

CONTROL OF THE VOLUME OF THE COMBUSTION CHAMBER  
 CONTRÔLE DU VOLUME DE LA CHAMBRE DE COMBUSTION

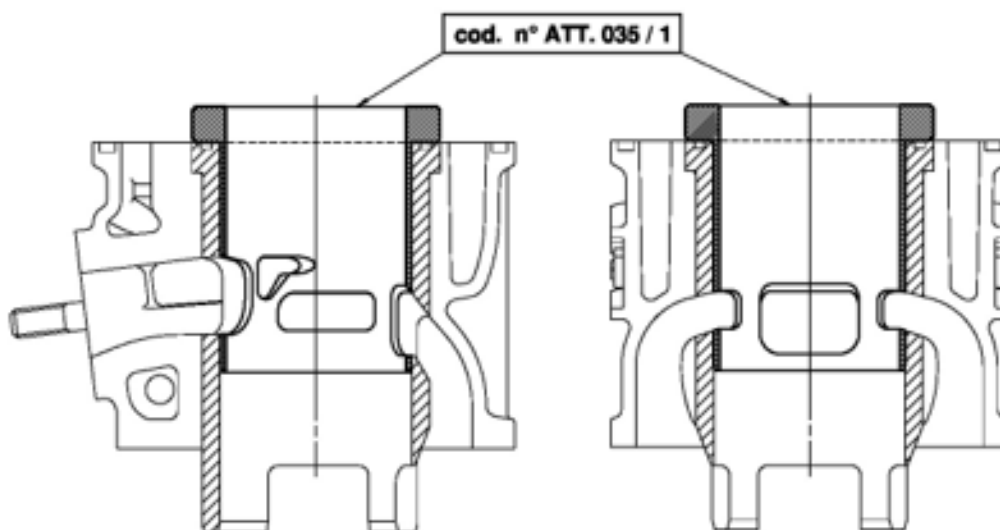


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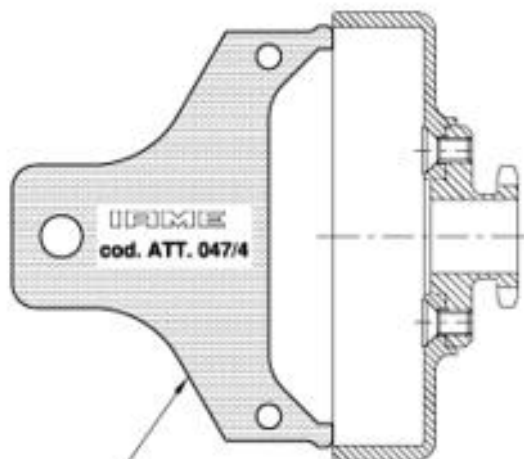
**CYLINDER CHECK - CONTRÔLE DU CYLINDRE**  
**CHECKING OF EXHAUST DUCT AND LATERAL TRANSFERS**  
**CONTRÔLE DE LA LUMIÈRE D'ÉCHAPPEMENT ET DES TRANSFERTS LATÉRAUX**



**CYLINDER LINER DUCTS AND TRANSFERS CHECKING TOOL**  
**OUTIL DE VÉRIFICATION DES LUMIÈRES DE LA CHEMISE DU CYLINDRE**



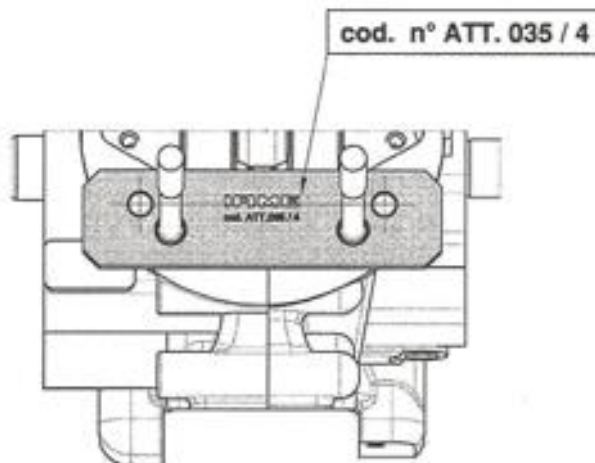
CLUTCH DRUM CHECKING TOOL  
CONTROLE DE LA CLOCHE D'EMBRAYAGE



cod. n° ATT. 047 / 4

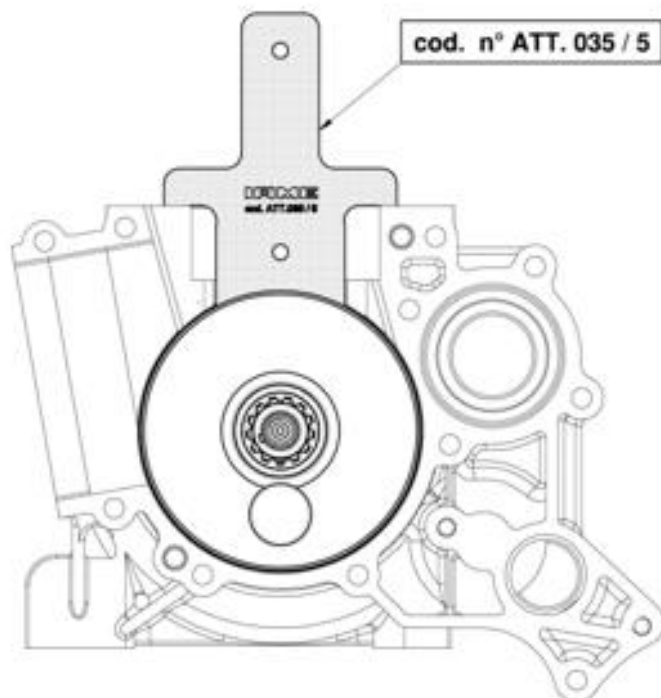
CRANKCASE CHECKING TOOLS - CONTRÔLE DU CARTER

CHECKING THE INTERAXLE OF THE CILYNDER PINS  
CONTRÔLE DE L'ENTRAXE DES PIONS DE CENTRAGE DU CYLINDRE

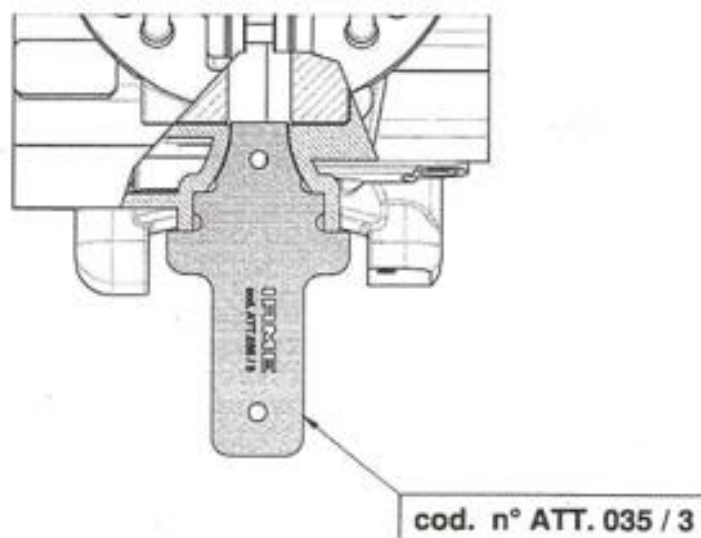


cod. n° ATT. 035 / 4

**CONTROL OF THE HEIGHT OF THE CRANKSHAFT CYLINDER PLANE**  
**CONTRÔLE DE LA HAUTEUR DU PLAN CYLINDRE SUR LE CARTER**



**CHECKING OF THE REEDS VALVE PLANE**  
**CONTRÔLE DU PLAN DU LOGEMENT DE LA BOÎTE À CLAPETS**

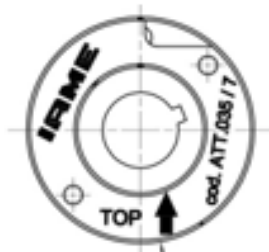




**CHECKING OF THE POSITION OF SELETTA DIGITAL "S" PHASE MARKING**

**CONTRÔLE DE LA POSITION DU MARQUAGE DE PHASE**

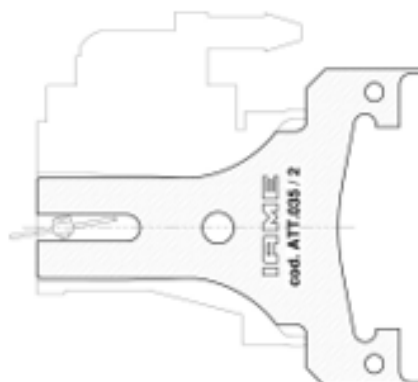
**SELETTA DIGITAL "S"**



**cod. n° ATT. 035 / 7**

**VENTURI SHAPE CONTROL OF TILLOTSON HW-27A CARBURETTOR**

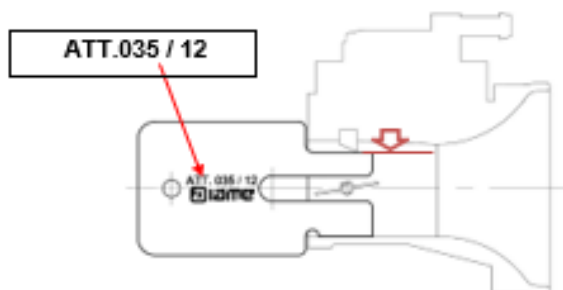
**CONTRÔLE DU VENTURI DU CARBURATEUR TILLOTSON HW-27A**



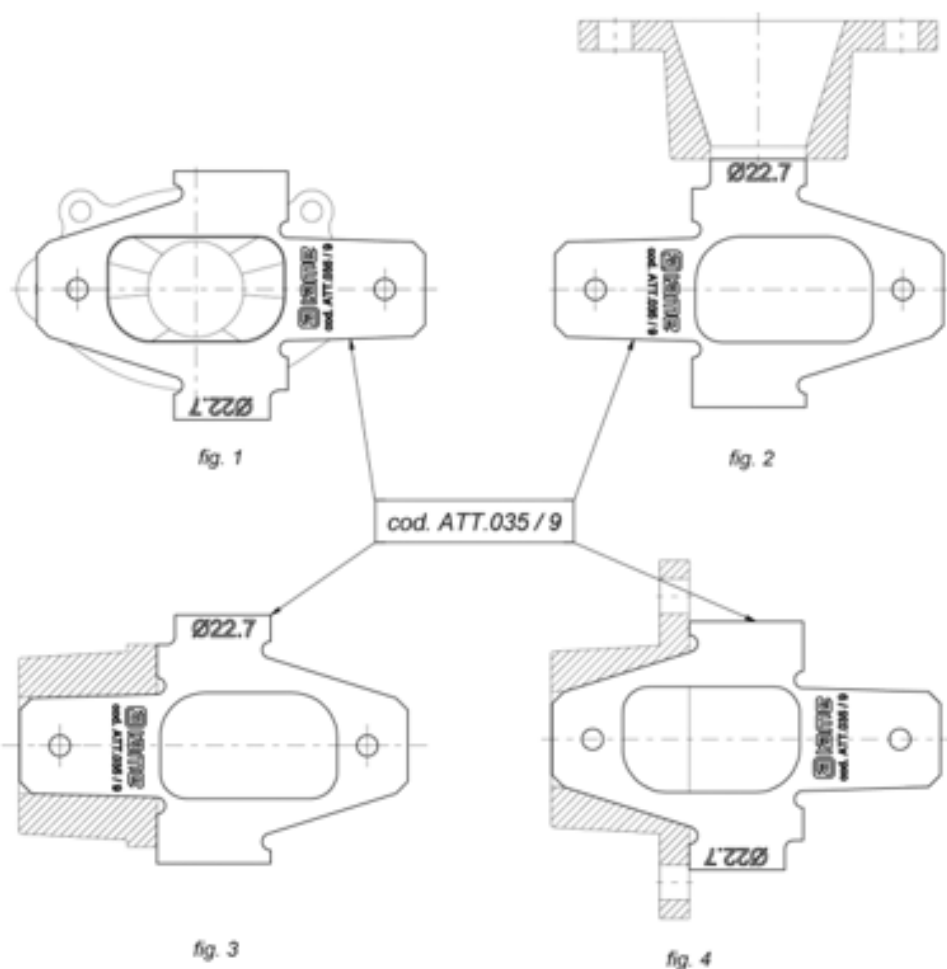
**CHECKING OF THE HEIGHT OF THE ATOMISER – GO IF IT'S OK**

**CONTRÔLE DE LA HAUTEUR DU PULVERISATEUR**

**IL PASSE S'IL EST CONFORME**



**EXHAUST MANIFOLD CHECKING TOOL - CONTRÔLE DU RACCORD D'ÉCHAPPEMENT**



THE NO-GO GAUGE MUST NOT ENTER INTO THE EXHAUST RESTRICTOR. (FIG.2);  
VERIFIEZ QUE LE CALIBRE N'ENTRE PAS DANS LE TROU DU RESTRICTEUR D'ÉCHAPPEMENT.

CHECK THAT THE TOOL MATCHES THE SHAPE OF THE EXHAUST MANIFOLD. (FIG.1,3 AND 4).  
VERIFIEZ QUE LA FORME DU RESTRICTEUR D'ÉCHAPPEMENT EST LA MEME DE L'OUTIL



CARBURETTOR

**Tillotson HW-27A**



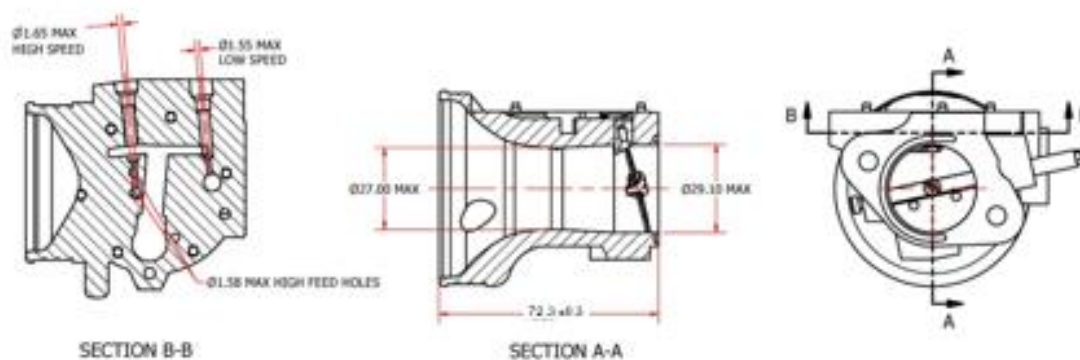
PHOTO OF ADJUSTING SIDE



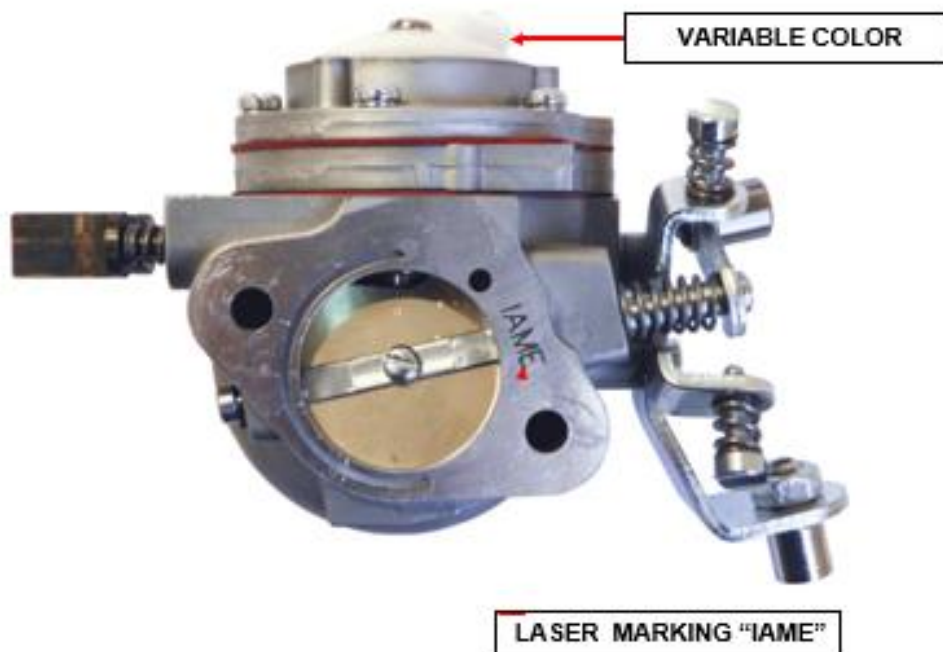
PHOTO OF INLET SIDE

Manufacturer	TILLOTSON LTD.
Make	TILLOTSON
Model	HW-27A

SECTION VIEW

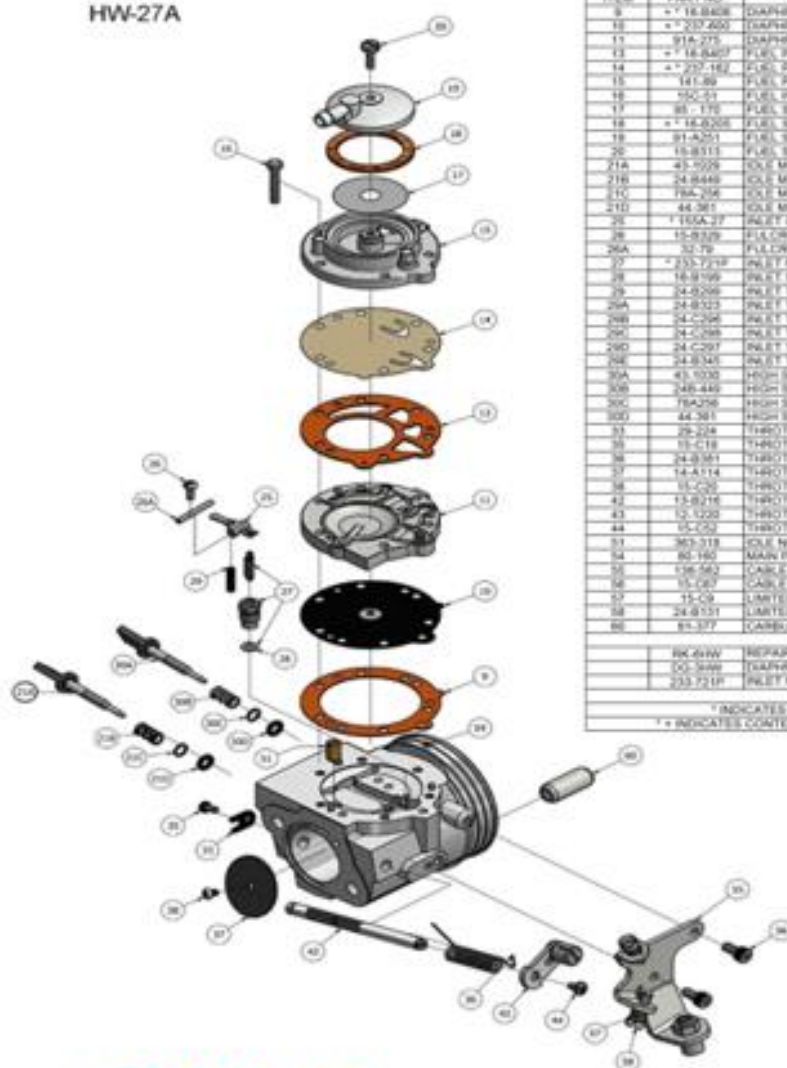


MARKING



**CARBURETTOR DESCRIPTION AND SKETCH OF PARTS**

**HW-27A**



ITEM	PART NO	DESCRIPTION	QTY
5	* 18.8408	DIAPHRAGM GASKET (ORANGE)	1
10	* 237.400	DIAPHRAGM	1
11	91A-275	DIAPHRAGM COVER	1
12	* 18.8407	FUEL PUMP GASKET (ORANGE)	1
13	* 237.182	FUEL PUMP DIAPHRAGM	1
15	141-88	FUEL PUMP BODY	1
16	150-51	FUEL PUMP BODY SCREW	2
17	85-170	FUEL STRAINER SCREEN	1
18	* 18.8205	FUEL STRAINER COVER GASKET	1
19	91A-251	FUEL STRAINER COVER	1
20	15-8313	FUEL STRAINER COVER RETAINING SCREW	1
21A	43-5009	SOLE MIXTURE SCREW	1
21B	24-8449	SOLE MIXTURE SCREW SPRING	1
21C	18A-256	SOLE MIXTURE SCREW WASHER	1
21D	44-381	SOLE MIXTURE SCREW PACKING	1
25	110A-27	INLET CONTROL LEVER	1
26	15-8329	FULCRUM LEVER SCREW	1
26A	32-79	FULCRUM LEVER PIN	1
27	* 233.7219	INLET NEEDLE & SEAT SET	1
28	18-8199	INLET SEAT GASKET	1
29	24-8206	INLET TENSION SPRING (250.57 grams)	1
29A	24-8323	INLET TENSION SPRING (208 grams)	1
29B	24-8256	INLET TENSION SPRING (311 grams)	1
29C	24-8289	INLET TENSION SPRING (421 grams)	1
29D	24-8297	INLET TENSION SPRING (48 grams)	1
29E	24-8341	INLET TENSION SPRING (48 grams)	1
30A	43-5000	HIGH SPEED MIXTURE SCREW	1
30B	24-8449	HIGH SPEED MIXTURE SCREW SPRING	1
30C	18A-256	HIGH SPEED MIXTURE SCREW WASHER	1
30D	44-381	HIGH SPEED MIXTURE SCREW PACKING	1
33	29-324	THROTTLE SHAFT CLIP	1
35	15-C18	THROTTLE SHAFT CLIP RETAINING SCREW	1
36	24-8351	THROTTLE RETURN SPRING	1
37	14-A114	THROTTLE SHUTTER	1
38	15-C20	THROTTLE SHUTTER SCREW	1
42	15-8316	THROTTLE SHAFT	1
43	15-1220	THROTTLE LEVER ASSEMBLY	1
44	15-C20	THROTTLE LEVER RETAINING SCREW	1
51	363-318	SOLE NOZZLE	1
54	80-160	MAIN PLUG	2
55	136-562	CABLE BRACKET	1
56	15-C67	CABLE BRACKET RETAINING SCREW	1
57	15-C8	LIMTER SCREW	2
58	24-8131	LIMTER SPRING	2
60	91-377	CARBURETOR MOUNTING NUT	2
RK-99W REPAIR KIT			
DC-99W DIAPHRAGM & GASKET (STANDARD)			
233.7219 INLET NEEDLE & SEAT SET			

\* INDICATES CONTENTS OF REPAIR KIT

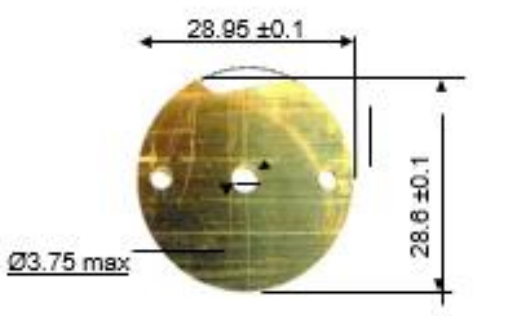



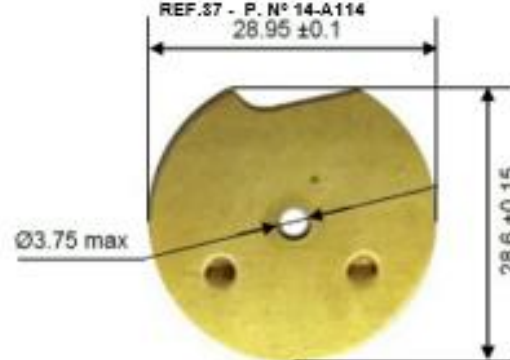

\*+ INDICATES CONTENTS OF DIAPHRAGM & GASKET SET

**Tillotson**  
RACING  
Clash Industrial Estate - Tralee - Ireland  
www.tillotson-racing.com

**IAME**





<p>REF.37 - P. N° 14-A114 THROTTLE SHUTTER</p>  <p>Thickness = 0.81 ± 0.1 mm</p>	<p>REF.27 - P. N° 233-721P SEAT + NEEDLE</p> 
<p>REF.21A - P. N° 43-1028 NEEDLE LOW SPEED</p> 	<p>REF.30A - P. N° 43-1030 NEEDLE HIGH SPEED</p> 
<p>ALTERNATIVE THROTTLE SHUTTER (made from production tooling)</p> <p>REF.37 - P. N° 14-A114 28.95 ± 0.1</p>  <p>Thickness = 0,81 ± 0,1 mm</p>	<p>ALTERNATIVE FUEL NEEDLE</p> <p>REF.27 - P. N° 233-721P</p> 

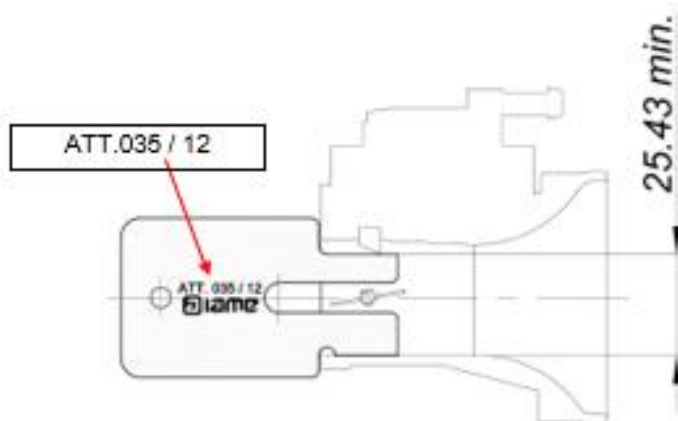
HOLE FOR CARBURETTOR SEALING

The carburettor can have this hole for sealing.

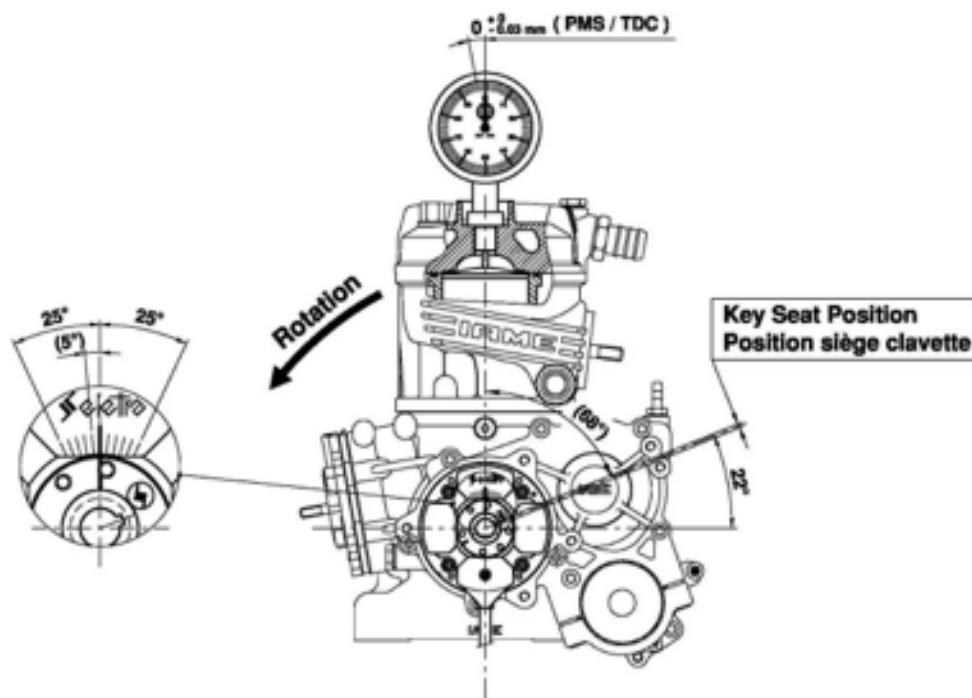


Ø3 HOLE

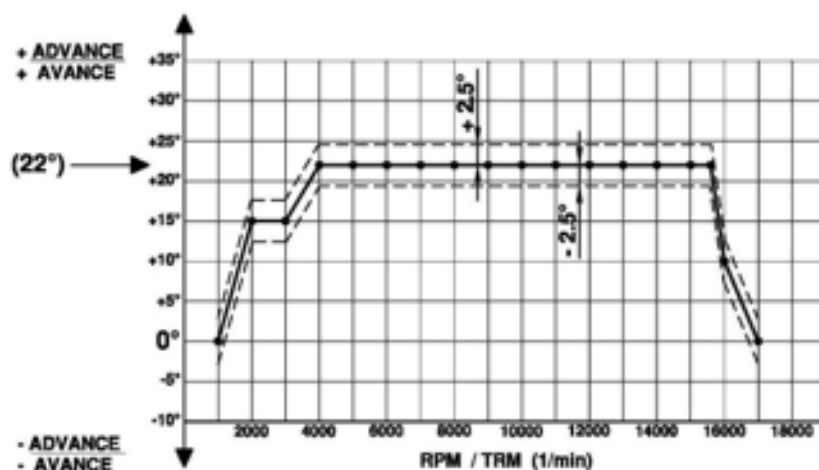
ATOMIZER - HEIGHT LIMITS AND CHECKING TOOL



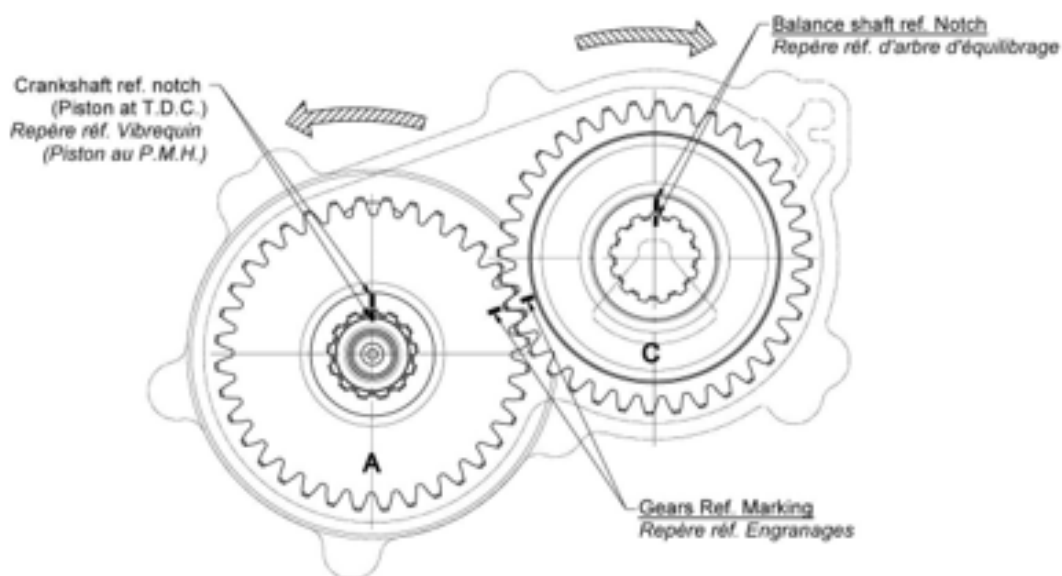
SCHEME FOR ADVANCE CONTROL  
SCHEMA POUR CONTROLE DE L'AVANCE



ADVANCE CURVE GRAPHS / GRAPHIQUES DE LA COURBE D'AVANCE



X30 BALANCE SHAFT GEARS – ASSEMBLY DIAGRAM with piston at T.D.C.  
ENGRENAGES DE L'ARBRE D'ÉQUILIBRAGE X30 – SCHEMA DE MONTAGE  
avec piston au Point Mort Haut



07/02/22