

8174/201

Chrono  
2 counters  
Date  
Alarm / 12 h

11 1/2'''  
25.60 mm  
H. 4.60

**ISA**SPECIALITY

**ISA**  
S W I S S  
M O V E M E N T

Specifications are subject to change without notice.

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In conformity with RoHS standard

**Caractéristiques :**

Mouvement chronographe électronique à quartz. Moteurs rotatifs pas à pas.  
 Petite seconde, 1 pas par seconde. Trotteuse chronographe centrale, cinq pas par seconde.  
 Compteur de minutes, 30 minutes, un pas par minute. Arrêt et remise à zéro automatique après 2 heures de chronométrage.  
 Quantième, correcteur de quantième rapide.  
 Alarme 12 heures. Dispositif stop et interrupteur.

**Characteristics :**

Electronic chronograph quartz movement. Rotary stepping motors.  
 Small second, 1 step per second. Central chronograph trotteuse, five steps per second.  
 30 minutes counter, one step per minute. Autostop and reset after 2 hours of timing.  
 Date, quick date corrector.  
 Alarm 12 hours. Stop device and current breaker.

**Kennzeichnungen :**

Elektronisches Chronographen Quarzwerk. Schrittschaltmotoren.  
 Kleine Sekunde, 1 Schritt pro Sekunde. Zentraler Chronographenzeiger, fünf Schritt pro Sekunde.  
 30-Minuten Zähler, ein Schritt pro Minute. Stop und automatische Nullstellung nach 2 Zeitmessungstunden.  
 Datum. Schnelle Datumskorrektur.  
 12 Stundenalarm. Stopp Vorrichtung und Unterbrecher.

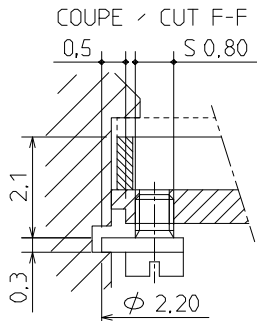
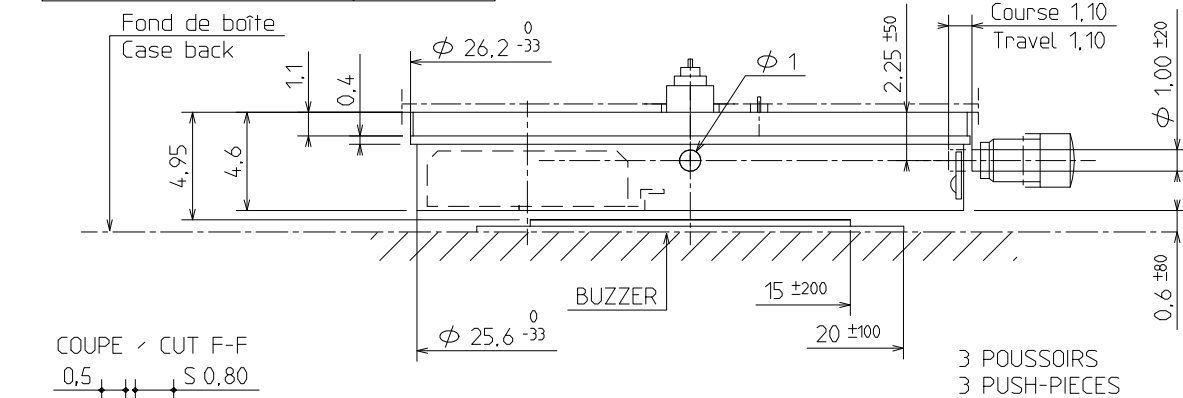
Critères Criteria Kriterium	Conditions Conditions Bedingungen	Min.	Typ.	Max.	Unités Units Einheit
Consommation Current consumption Stromaufnahme	U=1,55V T=25°C sans/without/Ohne chrono avec/with/Mit chrono		1,35 12,0		µA
Marche instantanée Instantaneous rate Momentaner Gang	U=1,55V T=25°C	- 0,5 (-15)		+ 0,5 (+15)	s/jour s/day s/Tag (s/mois s/month s/Monat)
Température de fonctionnement Operating temperature Betriebstemperatur		0		+ 50	°C
Résistance aux champs magnétiques Resistance to magnetic fields Magnetfelddabschirmung			1500 (18,8)		A/m (Oe)

Qté Qty Menge	Désignation Designation Bezeichnung	Type Model Typ	Tension Voltage Spannung	Code Code Kode	Capacité Capacity Kapazität	Autonomie théorique Theoretical Autonomy Theoretische Gangreserve
1	Pile Battery 9,50 x 2,70 Batterie	SR 927 SW	1,55 V	395	55 mAh	57 mois 39* months Monate

\*Avec chrono 1 h / j et alarme 20 sec. / j - \* With chrono 1 h / d and alarm 20 sec. / d - \*Mit Chrono und Alarm 1 S / T. und Alarm 20 Sek. / T

**CAGE / FRAME**

Attention !  
Le fond de la boîte doit être très propre.  
Take care!  
The case back has to be very clean.

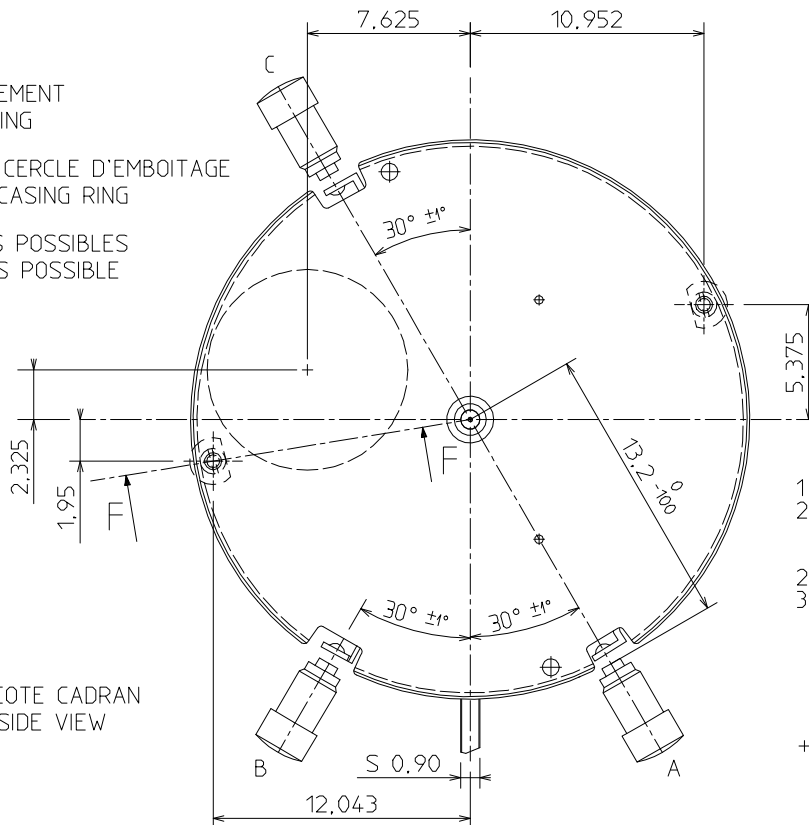


FIXATION DU MOUVEMENT  
MOVEMENT FASTENING

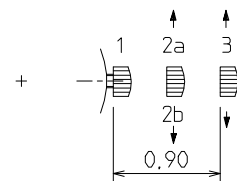
CLEFS DE FIXE OU CERCLE D'EMBOITAGE  
CASE SCREWS OR CASING RING

AUTRES FIXATIONS POSSIBLES  
OTHER FASTENINGS POSSIBLE

VUE COTE CADRAN  
DIAL SIDE VIEW

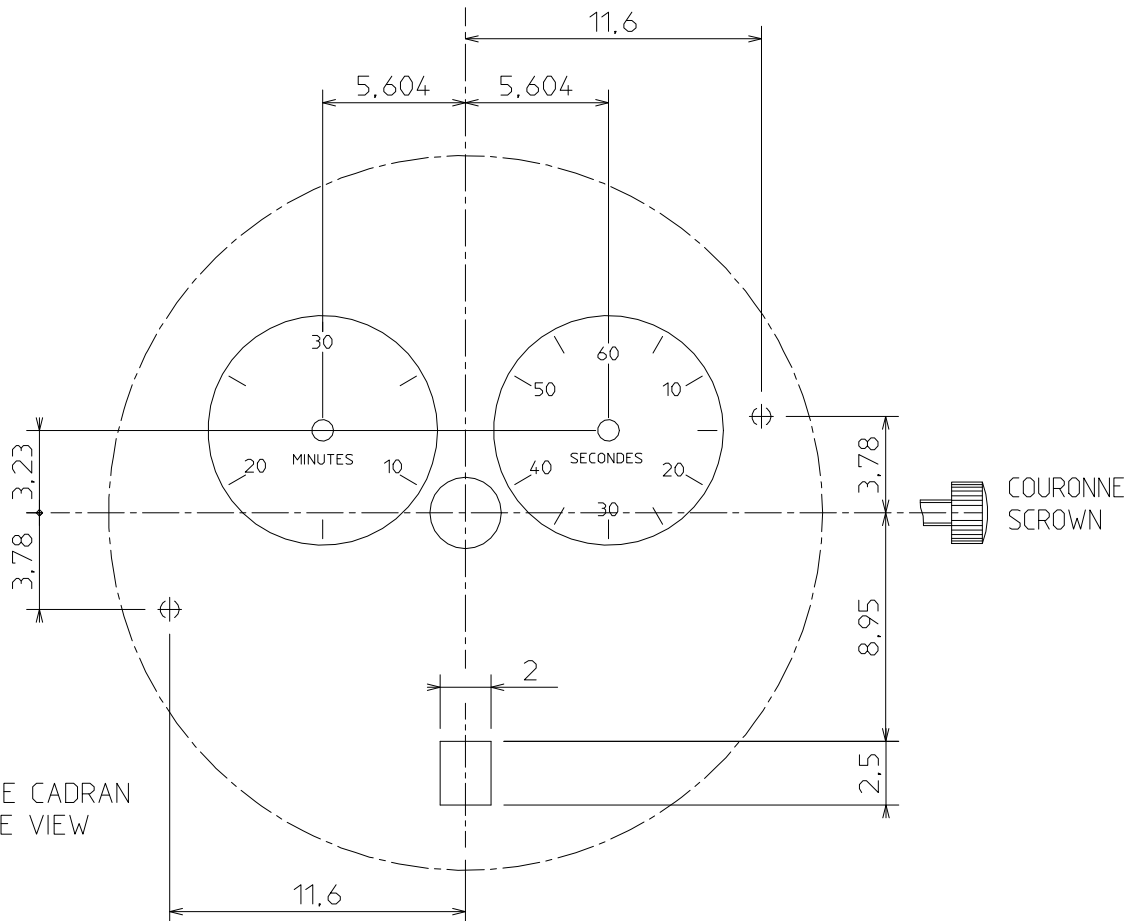
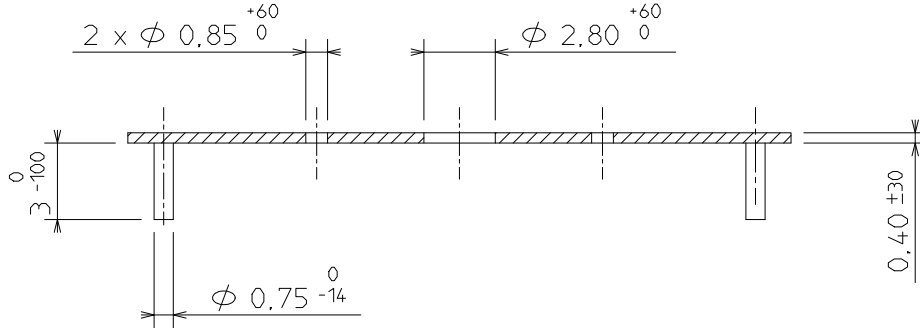


- 1 : REPOS - REST
- 2a: QUANTIEME - DATE  
INITIALISATION  
INITIALIZATION
- 2b: ALARME - ALARM
- 3 : MISE A L'HEURE  
HANDS SETTING  
STOP - JOUR - DAY



DIMENSIONS IN mm. - TOLERANCES IN  $\mu$ m.

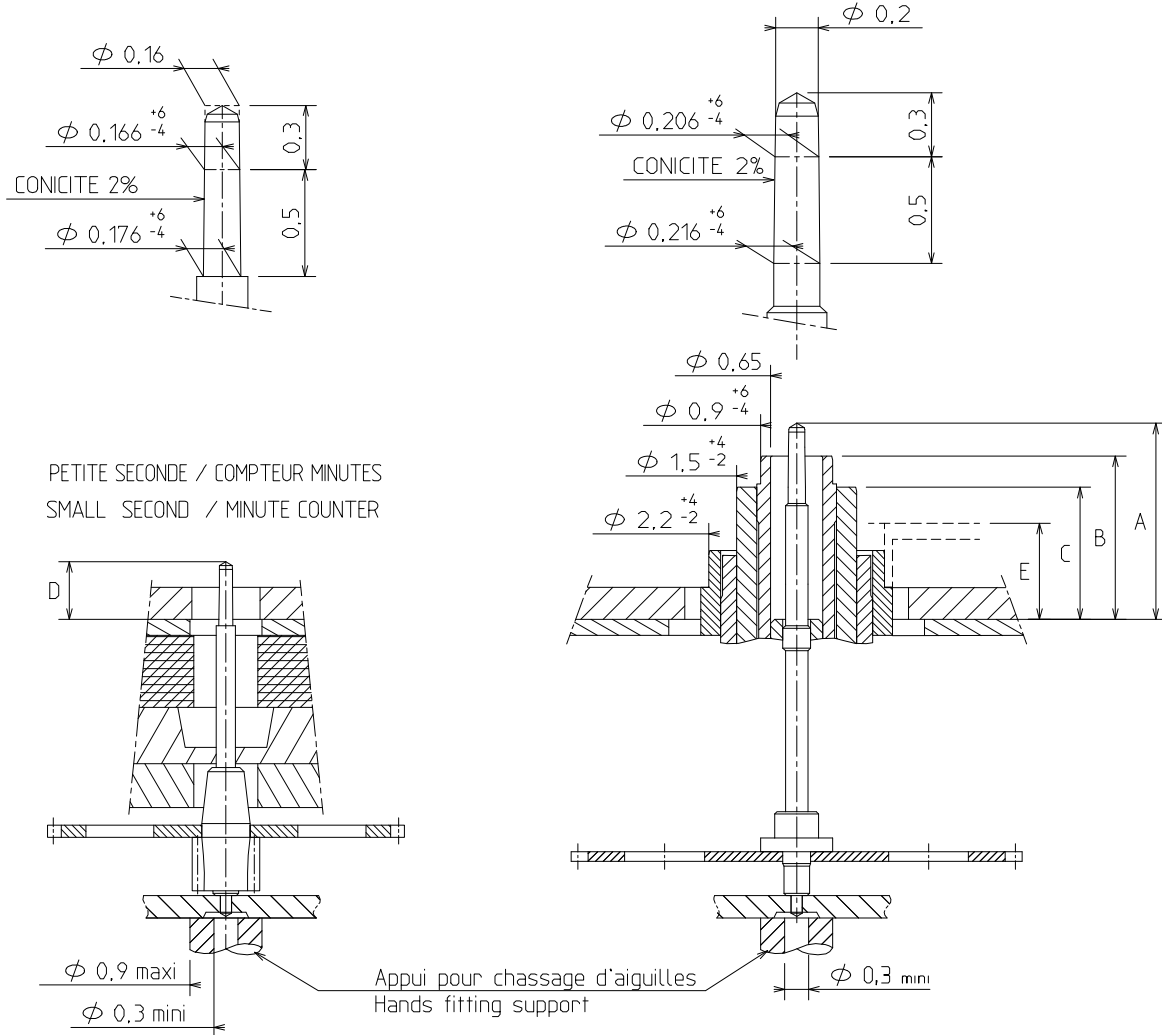
CADRAN / DIAL



VUE COTE CADRAN  
DIAL SIDE VIEW

DIMENSIONS IN mm. - TOLERANCES IN  $\mu$ m.

AIGUILLAGE / HAND-FITTING



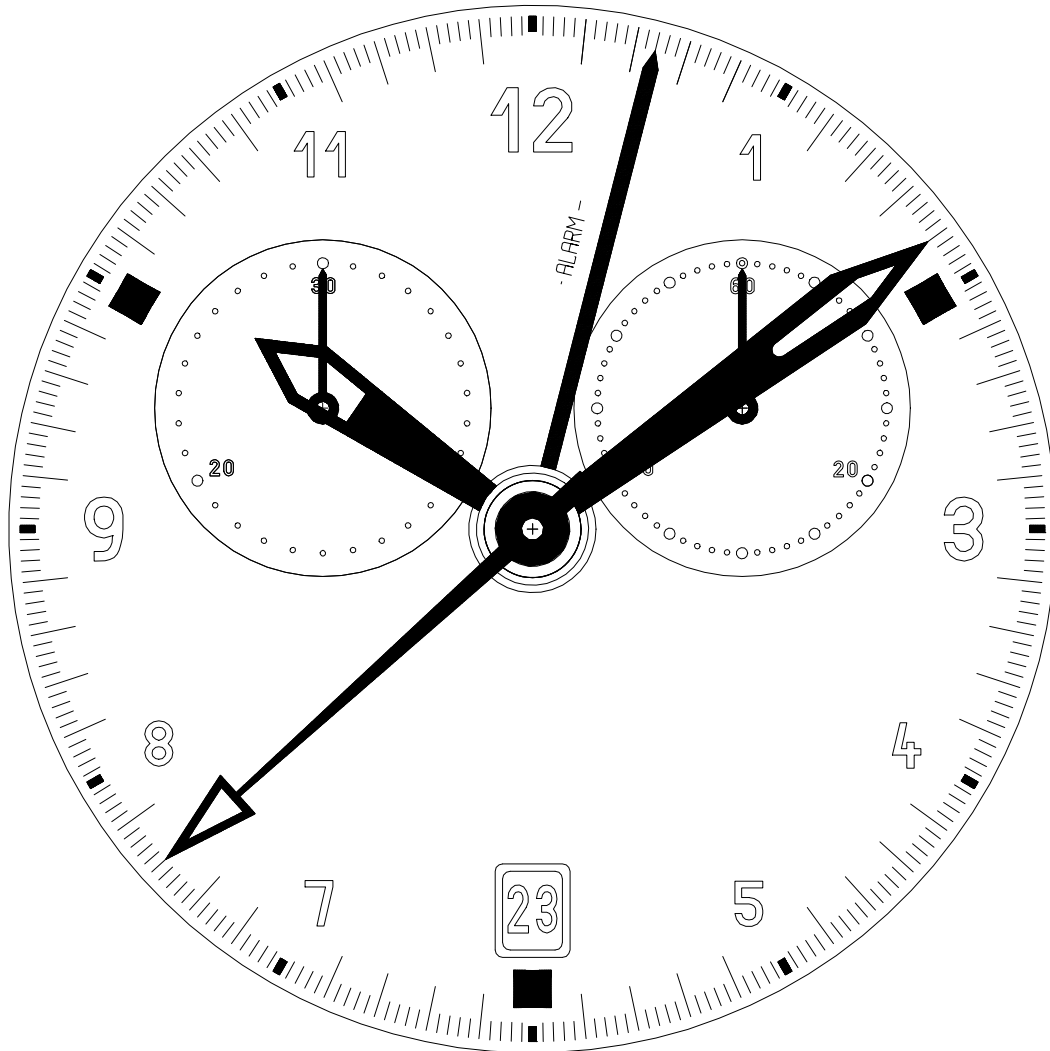
HAUTEUR AIGUILLAGE / HAND-FITTING HEIGHT			HAUTEUR CANON AIGUILLE / HAND PIPE HEIGHT	
A	TROTTEUSE CHRONO.	2.45	0.70	
B	MINUTE	MINUTE	2.05	0.35
C	HEURE	HOUR	1.65	0.60
D	PETITE SECONDE	SMALL SECOND	0.67	0.70
	COMPTEUR MINUTES	MINUTE COUNTER		
E	ALARME	ALARM	1.20	0.80

		MASSE / MASS	BALOURD / UNBALANCE	FORCE DE CHASSAGE / PRESS-IN FORCE
AIGUILLE DES MINUTES	MINUTE HAND	≤ 10 mg	≤ 0,3 μNm	≤ 25N.
AIGUILLE TROTTEUSE CHRONO	TROTTEUSE CHRONO HAND	≤ 10 mg	≤ 0,04 μNm	≤ 25N.
AIGUILLE D'ALARME	ALARM HAND	≤ 10 mg	≤ 0,3 μNm	≤ 25N.

DIMENSIONS IN mm. - TOLERANCES IN μm.

EXEMPLE DE PRESENTATION  
DESIGN SAMPLE



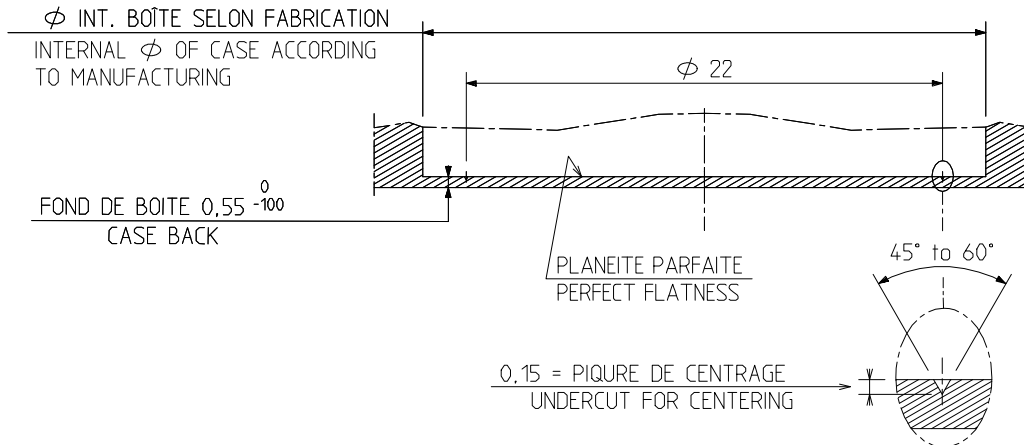
**ISA SWISS**

**ISA FRANCE**

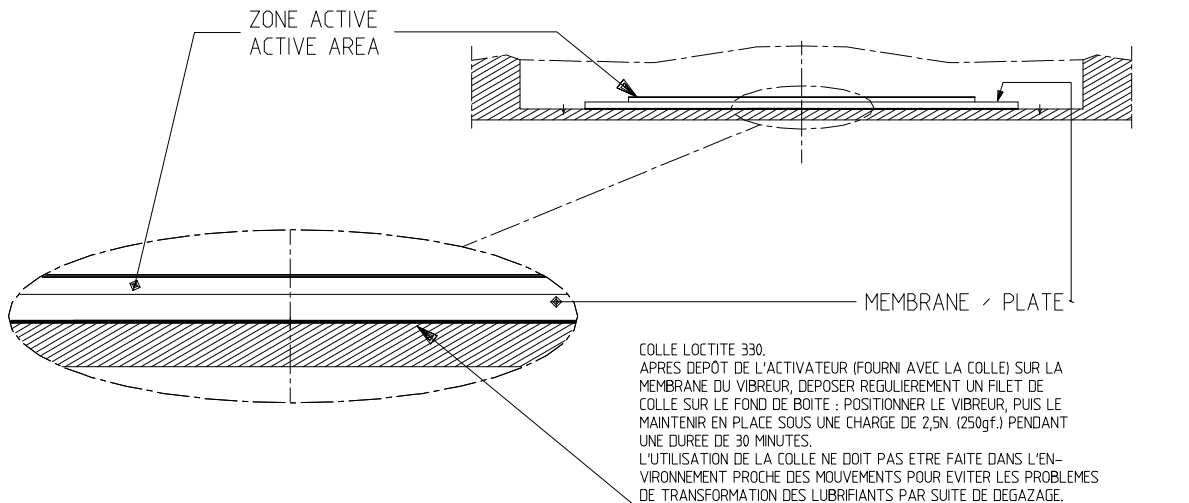
**ISA PACIFIC**

DIRECTIVES POUR LA REALISATION DU FOND DE BOITE  
CASE BACK MANUFACTURING INSTRUCTIONS

∅ 22 SERT A CENTRER LE BUZZER VISUELLEMENT AU COLLAGE  
TO POSITION VISUALLY THE BUZZER WHEN GLUING



INSTRUCTIONS POUR LE COLLAGE DU BUZZER  
BUZZER GLUING INSTRUCTIONS



GLUE LOCTITE 330.  
AFTER THE DEPOSIT OF THE ACTIVATOR (GIVEN WITH THE GLUE) ON THE PLATE OF THE BUZZER. DEPOSIT REGULARLY A GLUE FILET ON THE CASE BACK : SET THE BUZZER IN THE RIGHT POSITION AND MAINTAIN IT IMMEDIATELY UNDER A PRESSURE OF 2,5N. (250gf.) AT LEAST 30 MINUTES.  
REMARKS : THE GLUING OPERATION SHOULD NOT BE DONE CLOSE TO THE MOVEMENTS TO AVOID THE IMPORTANT RISK OF LUBRICANT TRANSFORMATION DUE TO THE GLUE OUTGASING.

DIMENSIONS IN mm. - TOLERANCES IN µm.