

**ISA** SPECIALITY

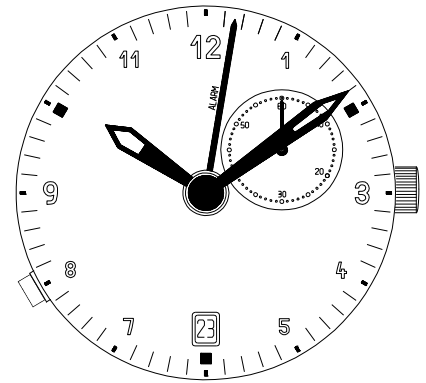
Cal 8174 / 1880



SWISS MADE

ISASWISS CONCEPT

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



In conformity with RoHS standard

COMPLICATIONS

8h



Alarm On/Off  
Push-piece  
(Optional at 2h  
and 4h)

2h



Date by  
window



Small  
second

**EOL**

End Of Life

**ISASWISS**  
WATCH MECHANISMS

**Caractéristiques :**

Mouvement électronique à quartz. Moteurs rotatifs pas à pas.  
 Petite seconde, 1 pas par seconde.  
 Quantième, correcteur de quantième rapide.  
 Fin de vie de pile (EOL): Déplacement de l'aiguille de petite seconde de 4 pas toutes les 4 secondes.  
 Alarme 12 heures.  
 Dispositif stop mécanique et électronique.

**Characteristics :**

Electronic quartz movement. Rotary stepping motors.  
 Small second, 1 step per second.  
 Date, quick date corrector.  
 End of life (EOL): indication by small second hand jumping 4 successive steps every 4 seconds.  
 Alarm 12 hours.  
 Stop device and current breaker.

**Kennzeichnungen :**

Elektronisches Quarzwerk. Schrittschaltmotoren.  
 Kleine Sekunde, 1 Schritt pro Sekunde.  
 Datum, Schnelle Datumskorrektur.  
 Batterie-End-Anzeige (EOL): Vorrücken des Sekundenzeigers alle 4 Sekunden (4-Schritt-Motorimpuls).  
 12 Stundenalarm.  
 Stopp Vorrichtung und Unterbrecher.

In conformity with RoHS standard

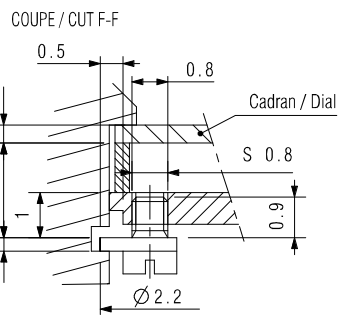
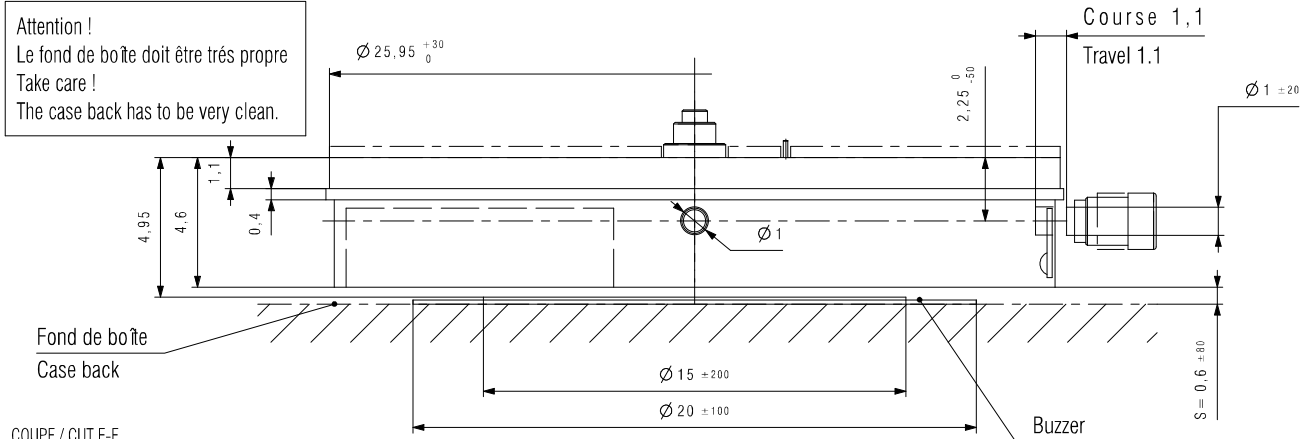
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Critères Criteria Kriterium	Conditions Conditions Bedingungen	Min.	Typ.	Max.	Unités Units Einheit
Consommation Current consumption Stromaufnahme	U=1.55V T=25°C		1.35		µA
Marche instantanée Instantaneous rate Momentaner Gang	U=1.55V T=25°C	- 0.5 (-15)		+ 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)

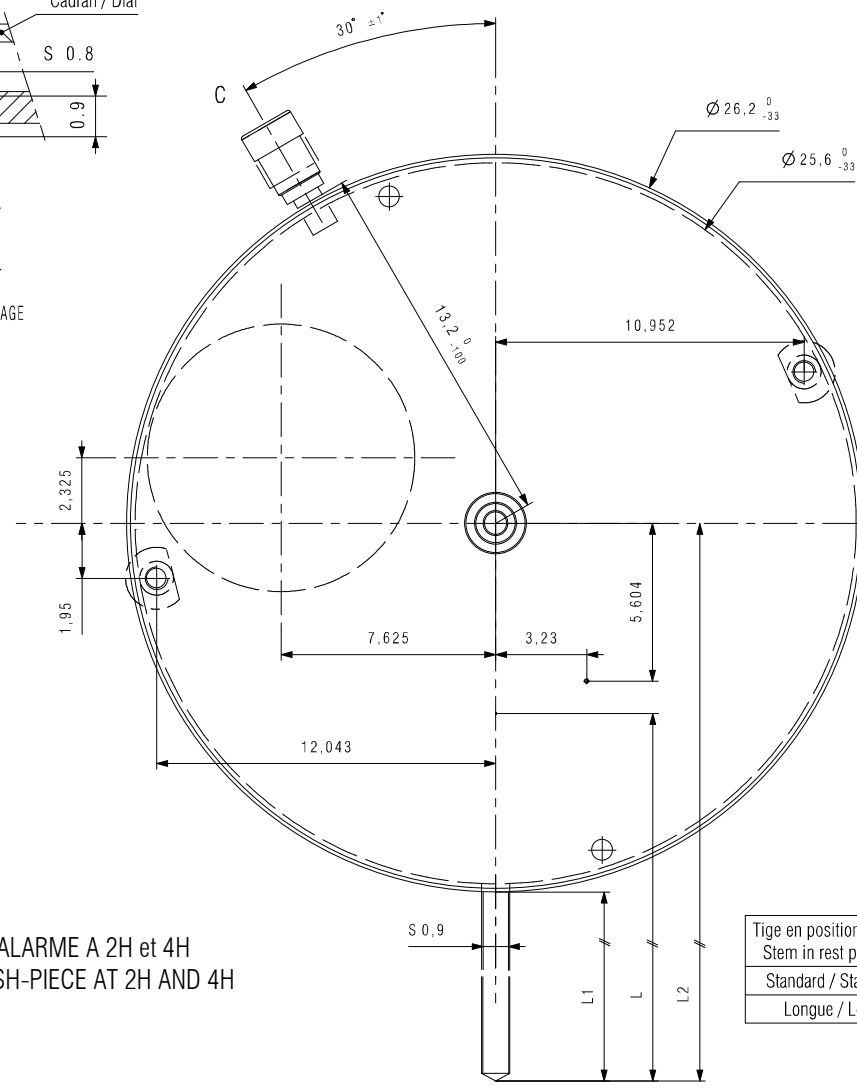
Qté Qty Menge	Désignation Designation Bezeichnung	Type Model Typ	Tension Voltage Spannung	Code Code Code	Capacité Capacity Kapazität	Autonomie théorique Theoretical Autonomy Theoretische Gangreserve
1	Pile Battery Batterie 9.50 x 2.70	SR 927 SW	1.55 V	395	55 mAh	57 mois months 48* Monate

\* Avec alarme 20 sec. / j. - With alarm 20 sec. / d. - Mit Alarm 20 Sek / T.

### CAGE / FRAME



FIXATION DU MOUVEMENT  
FASTENING OF MOVEMENT  
CLEFS DE FIXE OU CERCLE D'EMBOITAGE  
CASE SCREWS OR CASING RING  
AUTRES FIXATIONS POSSIBLES  
OTHER FIXATIONS POSSIBLES



VUE COTE CADRAN  
DIAL SIDE VIEW

POSSIBILITE POUSSOIR ALARME A 2H et 4H  
POSSIBILITY ALARM PUSH-PIECE AT 2H AND 4H

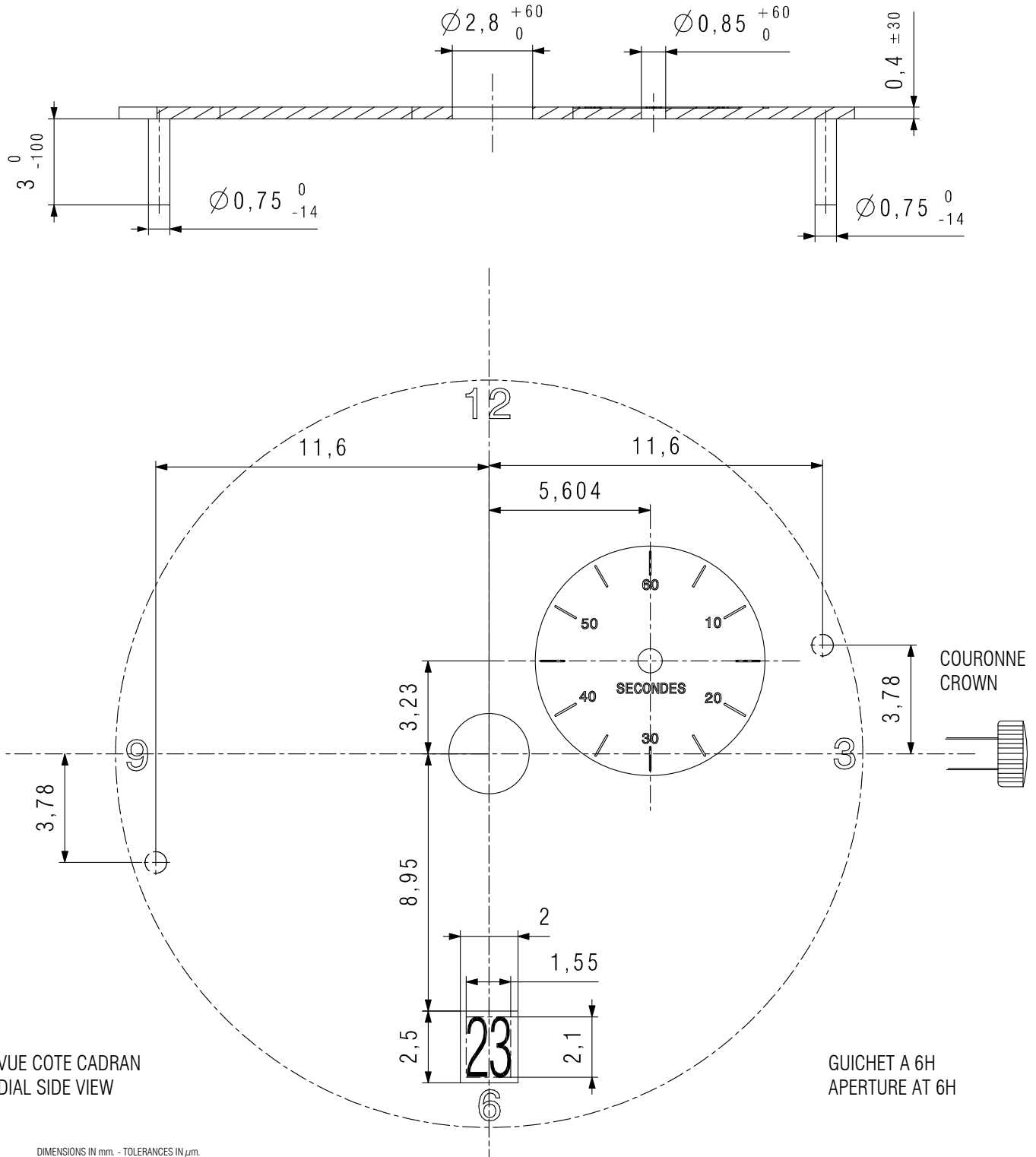
Tige en position repos / Stem in rest position	L	L1	L2
Standard / Standard	18.05 <sup>+100</sup>	10.2	23.3
Longue / Long	25 <sup>+100</sup>	17.15	30.25

DIMENSIONS IN mm. - TOLERANCES IN µm.

In conformity with RoHS standard

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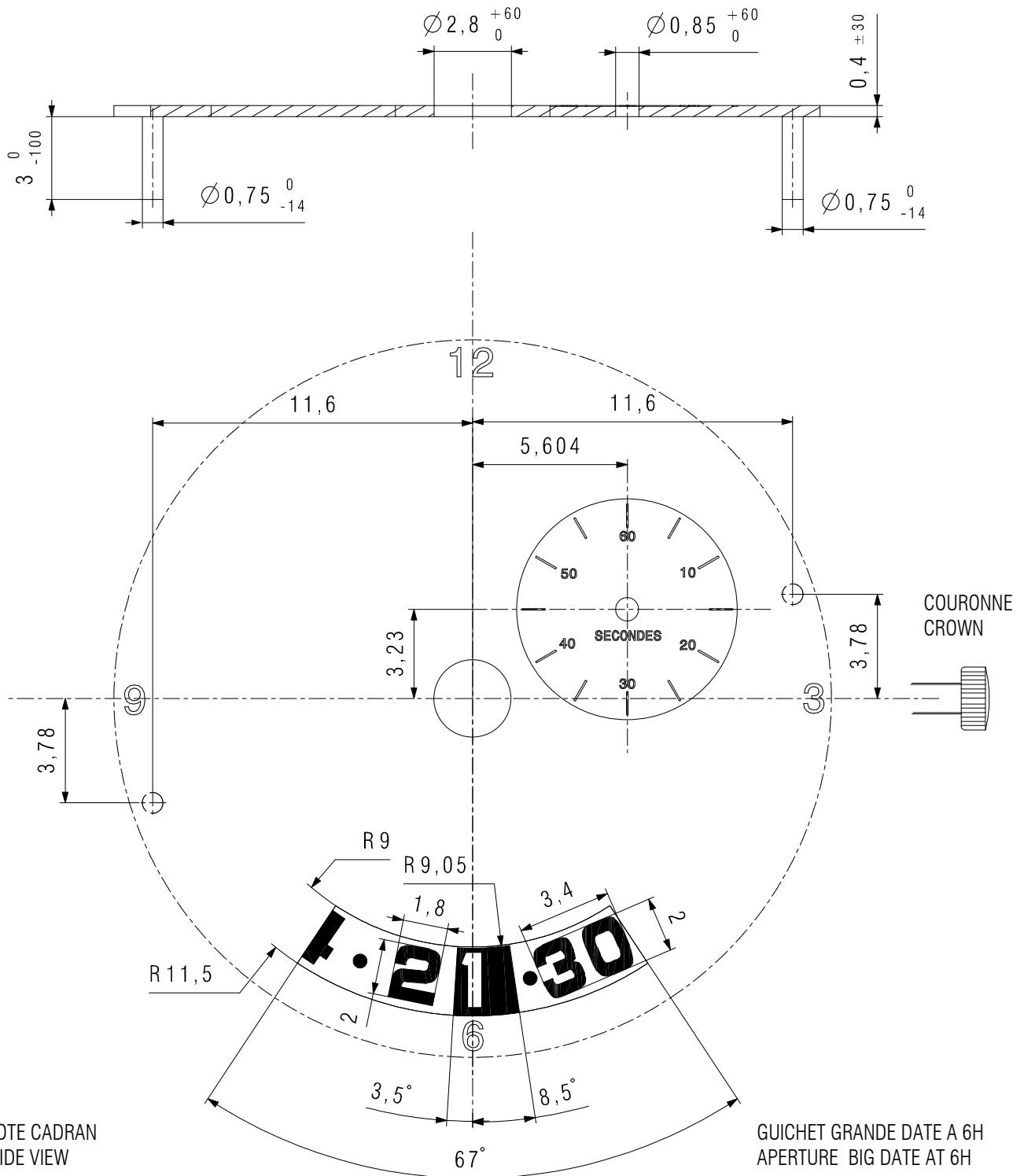
## CADRAN / DIAL



In conformity with RoHS standard

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## CADRAN / DIAL



VUE COTE CADRAN  
DIAL SIDE VIEW

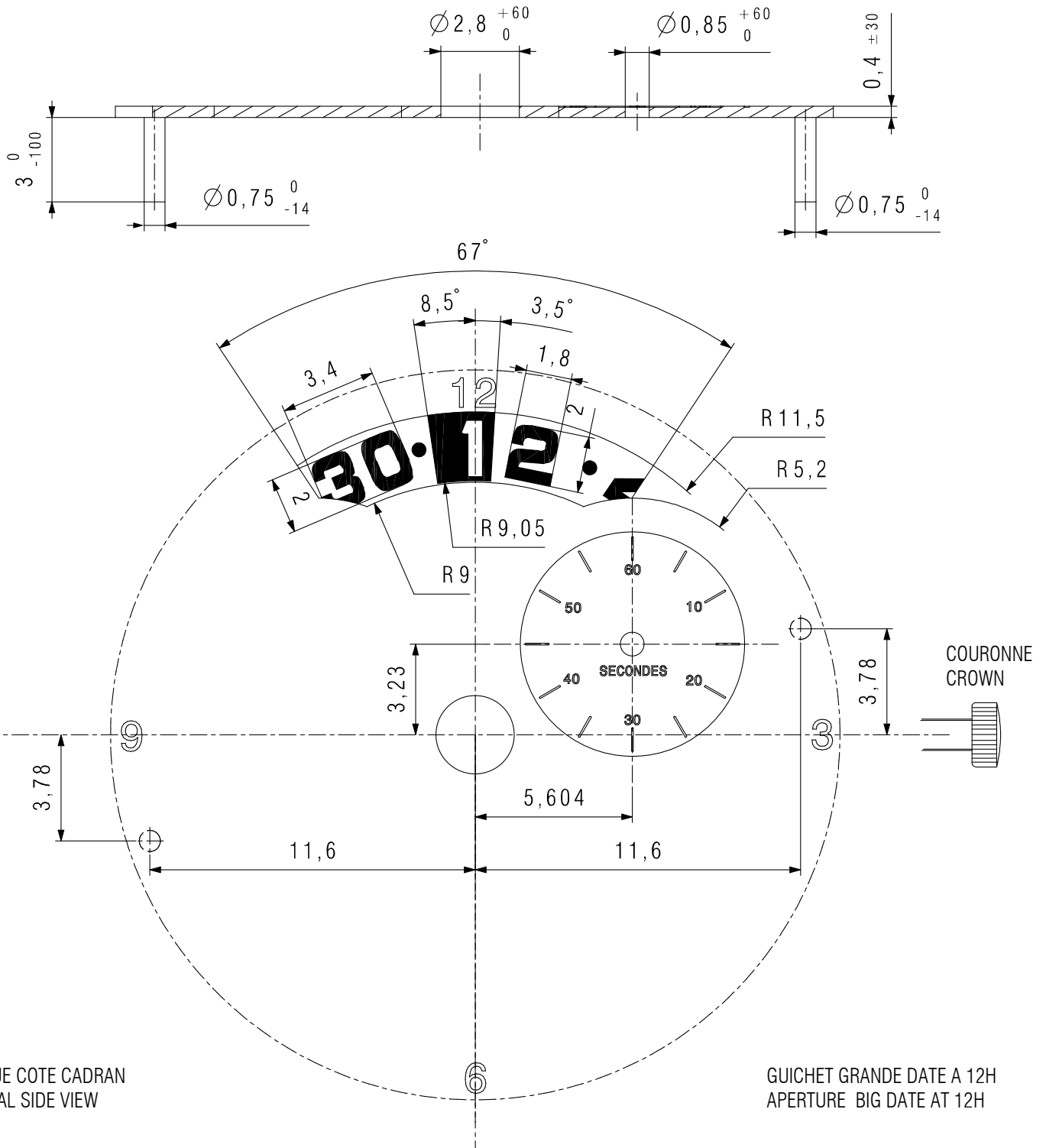
GUICHET GRANDE DATE A 6H  
APERTURE BIG DATE AT 6H

DIMENSIONS IN mm. - TOLERANCES IN μm.

In conformity with RoHS standard

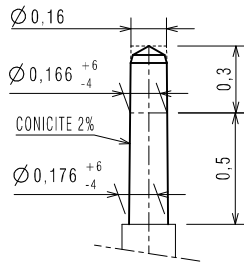
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## CADRAN / DIAL

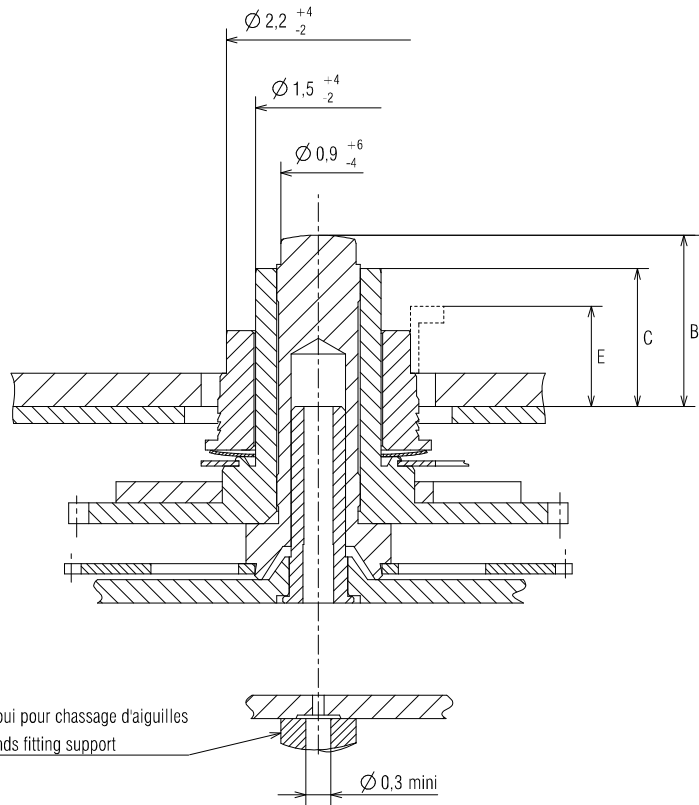
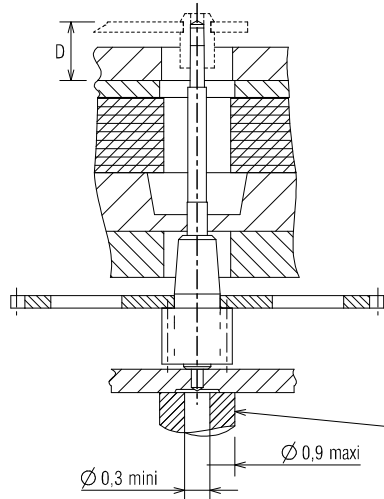




## AIGUILLAGE / HAND-FITTING



PETITE SECONDE / SMALL SECOND



Appui pour chassage d'aiguilles  
Hands fitting support

AIGUILLAGE / HAND-FITTING	Dépassement / Height over dial seat					Epaisseur cadran / Dial Thickness
	A	B	C	D	E	
	Pignon Central / Central wheel pinion	Chaussée / Cannon pinion	Roue des heu- res / Hour wheel	Pignon petit(s) compteur(s) / Small counter(s) wheel pinion	Aiguille alarme / Alarm hand	
N°2	—	2.10	1.65	0.70	1.20	0.40

CHOCES 550 g / 550 g SHOCKS	Masse / Mass	Balourd / Unbalance	Inertie / Inertia	FORCE DE CHASSAGE / PRESS-IN-FORCE
Aiguille de l'alarme - Alarm Hand	≤ 2750 mg	≤ 110 µNm	≤ 88 gmm <sup>2</sup>	≤ 25 N
Aiguille des heures - Hour Hand	≤ 2750 mg	≤ 110 µNm	≤ 88 gmm <sup>2</sup>	≤ 25 N
Aiguille des minutes - Minute Hand	≤ 250 mg	≤ 10 µNm	≤ 8 gmm <sup>2</sup>	≤ 25 N
Aiguilles des petits compteurs - Small counters Hands	≤ 5 mg	≤ 0.2 µNm	≤ 0.16 gmm <sup>2</sup>	≤ 20 N

DIMENSIONS IN mm. - TOLERANCES IN µm.

# ISASPECIALITY

8174 / 1880



SWISS MADE

ISASWISS CONCEPT

11 1/2'''  
25.60 mm

EXEMPLE DE PRESENTATION  
DESIGN SAMPLE



In conformity with RoHS standard

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**ISASWISS**  
WATCH MECHANISMS

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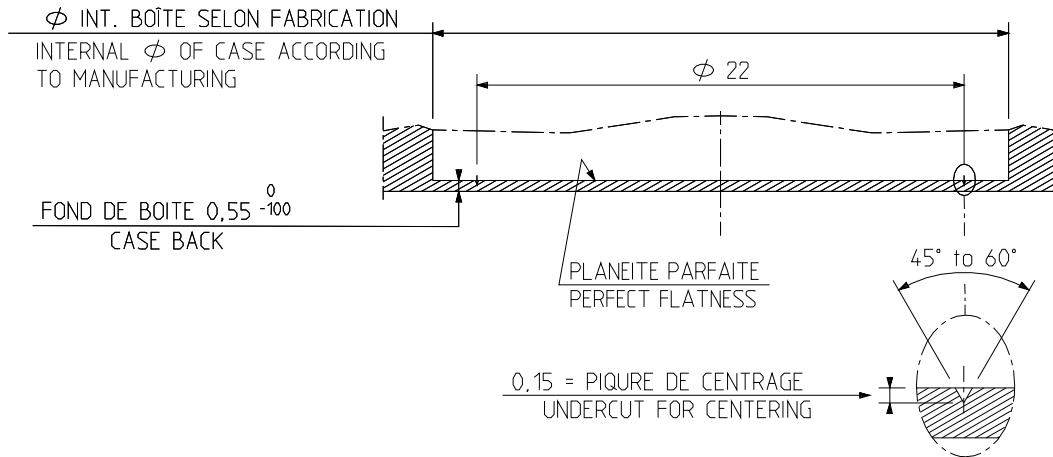
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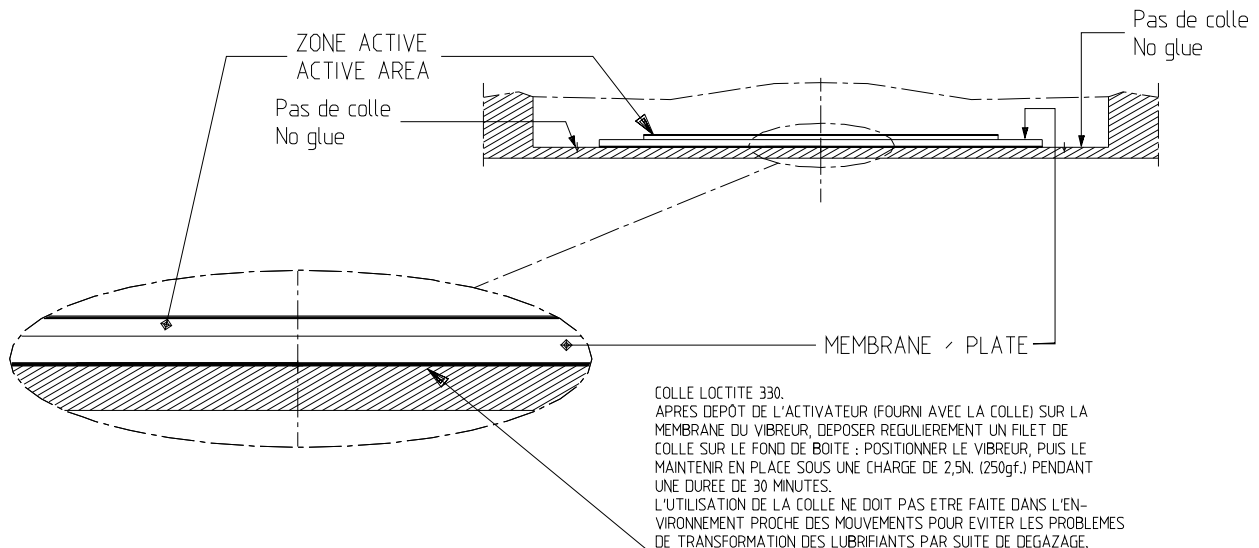


## DIRECTIVES POUR LA REALISATION DU FOND DE BOITE CASE BACK MANUFACTURING INSTRUCTIONS

∅ 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



LOCTITE 330 GLUE  
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.