

ISA SPECIALITY

Cal 8174 / 220

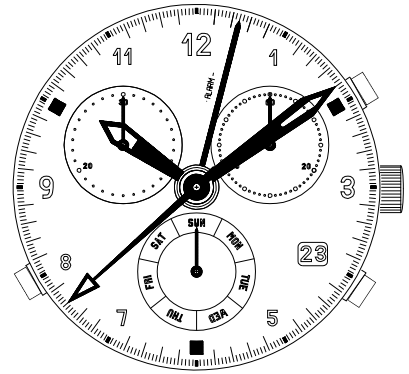


SWISS MADE



FAR EAST ASSEMBLY

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



In conformity with RoHS standard

CHRONOGRAPHS

10h



30 Mins.
Chrono

8h



Alarm
On / Off
Pusher

6h



Day by
hand

2h



Date by
window



Small Sec.



End Of Life

ISASWISS
WATCH MECHANISMS

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.
 Jour à aiguille.
 Fin de vie de pile (EOL): Déplacement de l'aiguille de petite seconde de 4 pas toutes les 4 secondes.
 Quantième, correcteur de quantième rapide.
 Alarme 12 heures. Dispositif stop mécanique et électronique.
 9 rubis.

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.
 Day with hand.
 End of life (EOL): indication by small second hand jumping 4 successive steps every 4 seconds.
 Date, quick date corrector.
 Alarm 12 hours. Stop device and current breaker.
 9 jewels.

Kennzeichnungen :

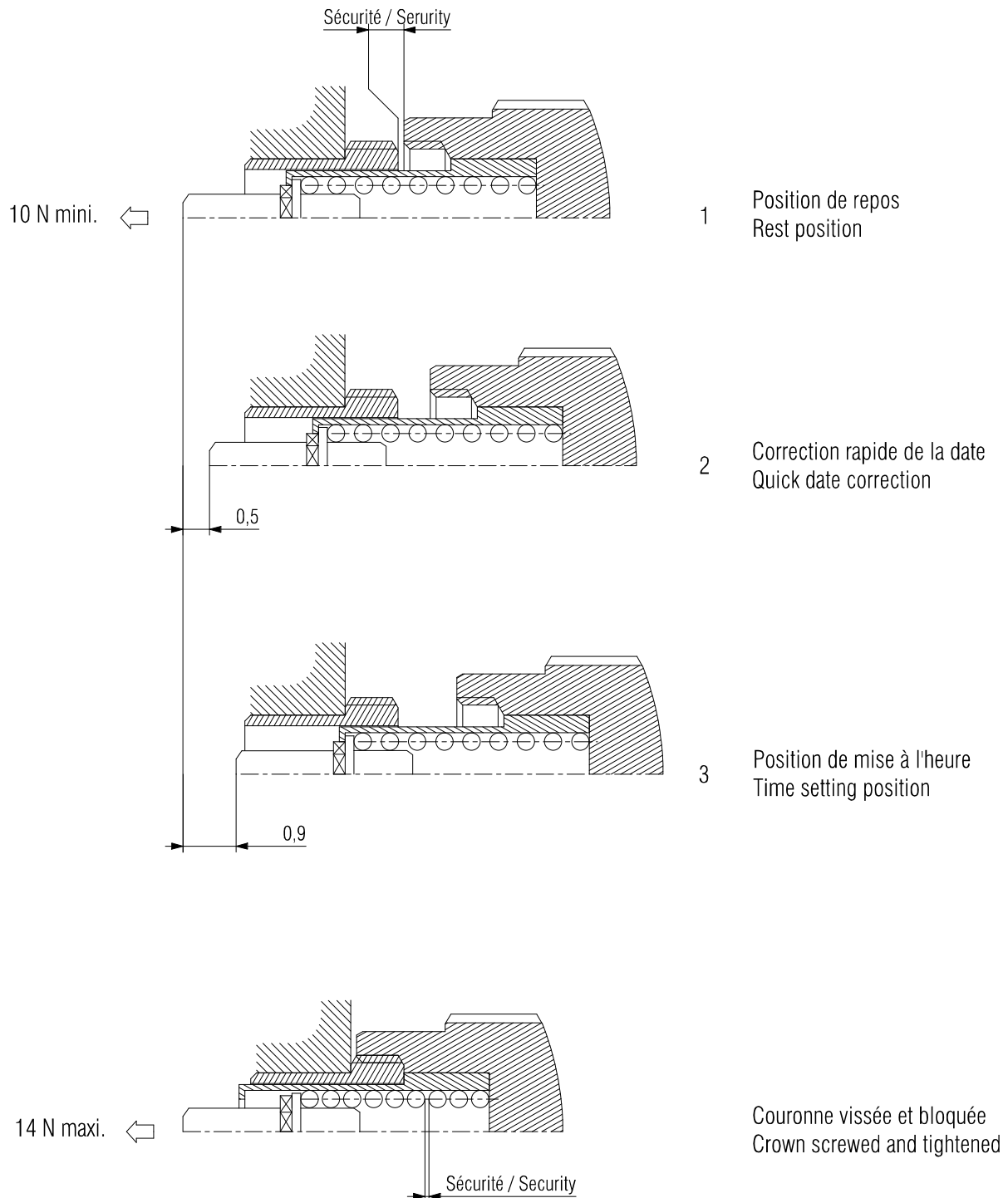
Elektronisches Chronographen Quarzwerk. Schrittschaltmotoren.
 Kleine Sekunde, 1 Schritt pro Sekunde. Zentraler Chronographenzeiger, fünf Schritt pro Sekunde.
 30-Minuten Zähler, ein Schritt pro Minute. Stop und automatische Nullstellung nach 2 Zeitmessungstunden.
 Wochentageszeiger.
 Batterie-End-Anzeige (EOL): Vorrücken des Sekundenzeigers alle 4 Sekunden (4-Schritt-Motorimpuls).
 Datum. Schnelle Datumskorrektur.
 12 Stundenalarm. Stopp Vorrichtung und Unterbrecher.
 9 Steine.

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 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 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

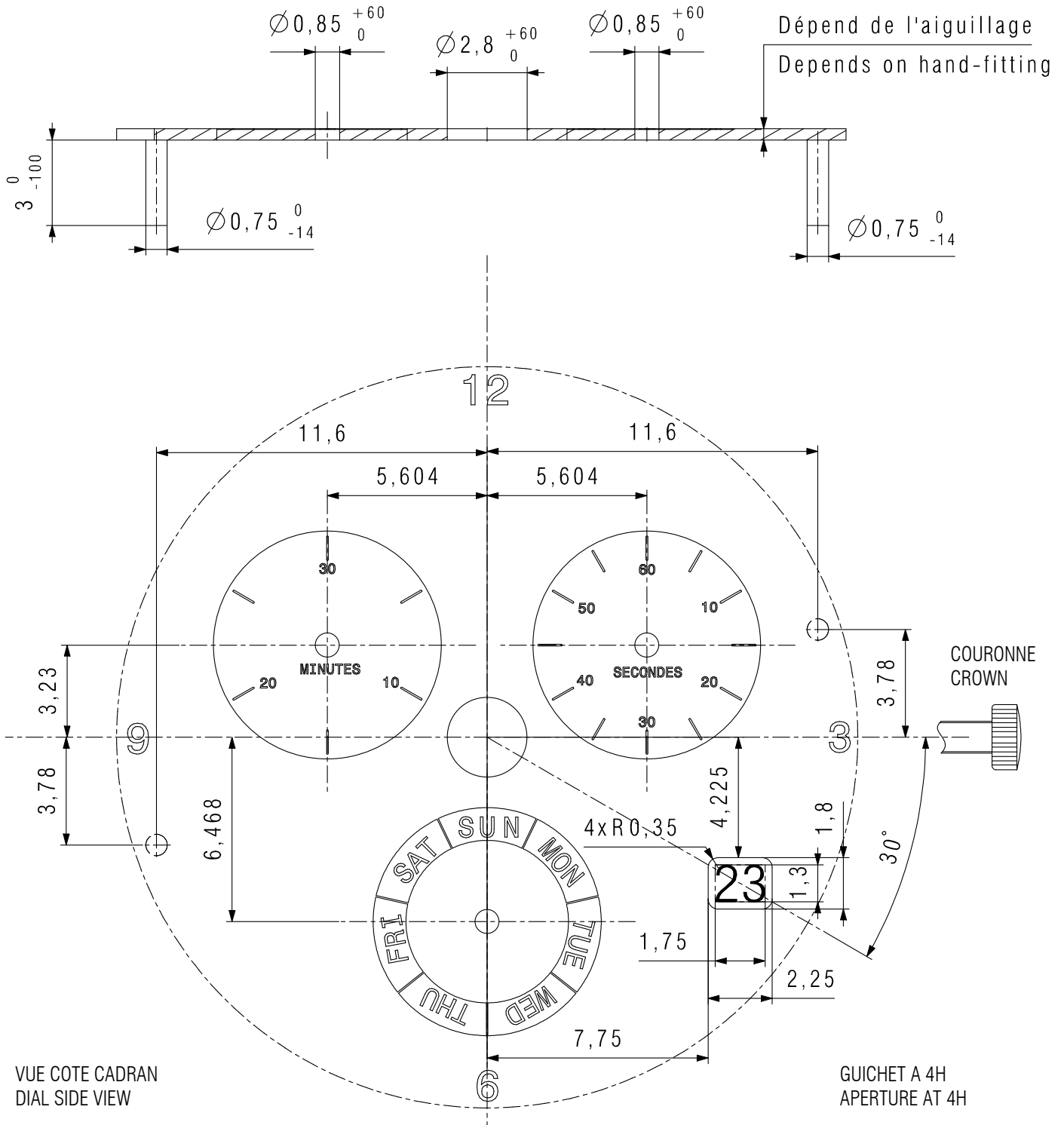
UTILISATION DE COURONNES VISSEES / USE SCREWED CROWN



In conformity with RoHS standard

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CADRAN / DIAL

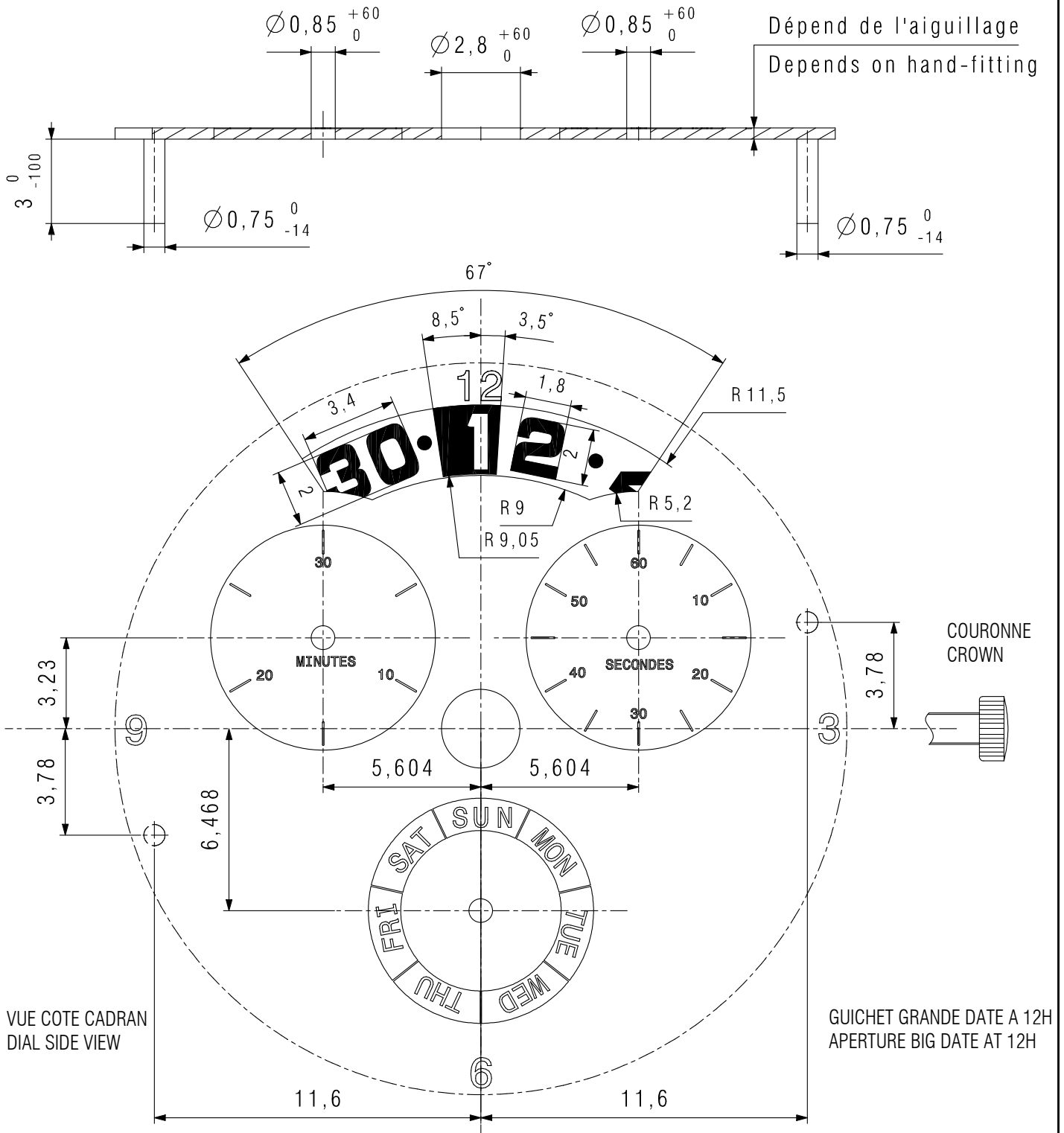


DIMENSIONS IN mm. - TOLERANCES IN μ m.

In conformity with RoHS standard

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CADRAN / DIAL



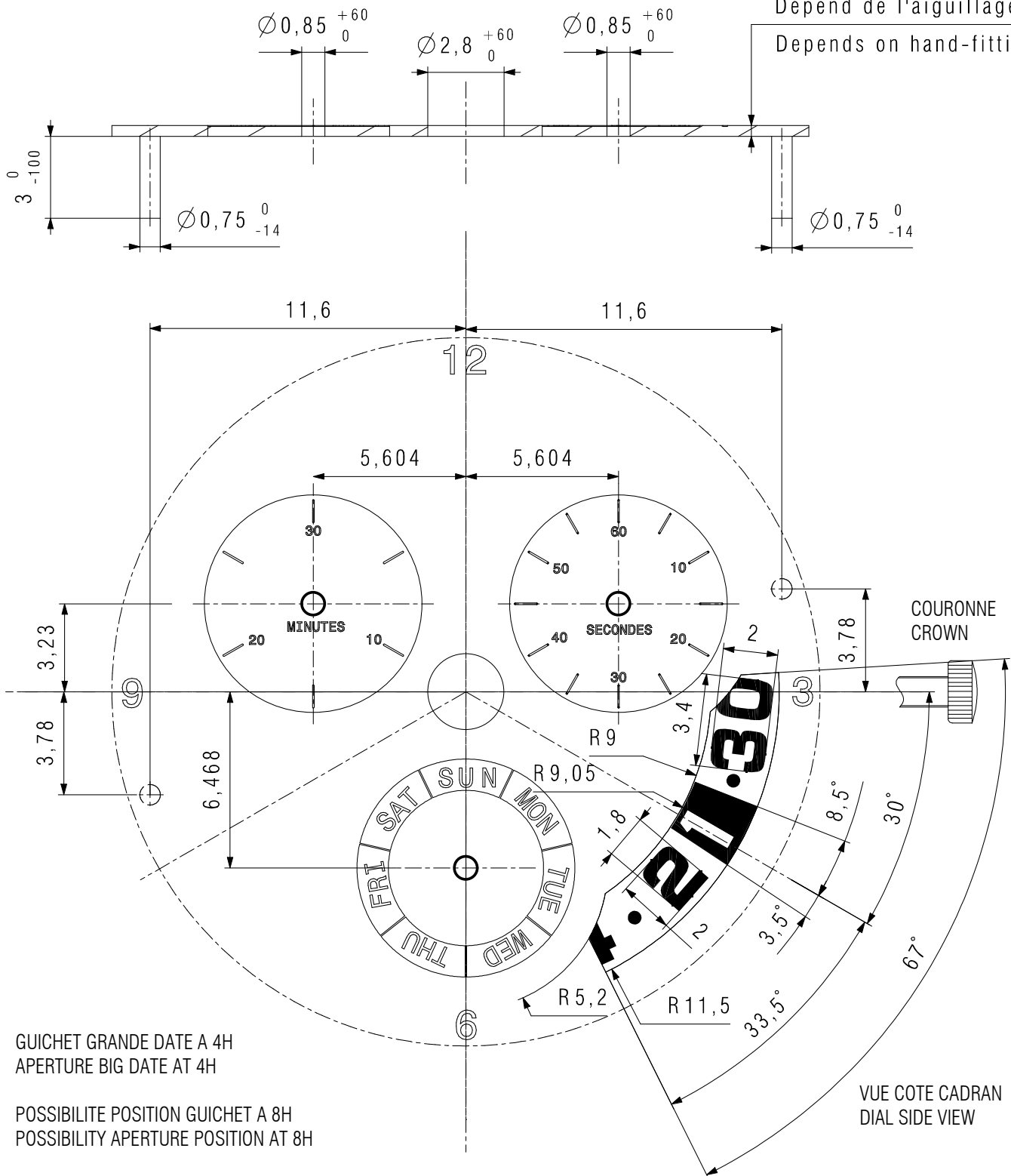
DIMENSIONS IN mm. - TOLERANCES IN μm.

In conformity with RoHS standard

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CADRAN / DIAL

Dépend de l'aiguillage
Depends on hand-fitting



GUICHET GRANDE DATE A 4H
APERTURE BIG DATE AT 4H

POSSIBILITE POSITION GUICHET A 8H
POSSIBILITY APERTURE POSITION AT 8H

DIMENSIONS IN mm. - TOLERANCES IN μ m.

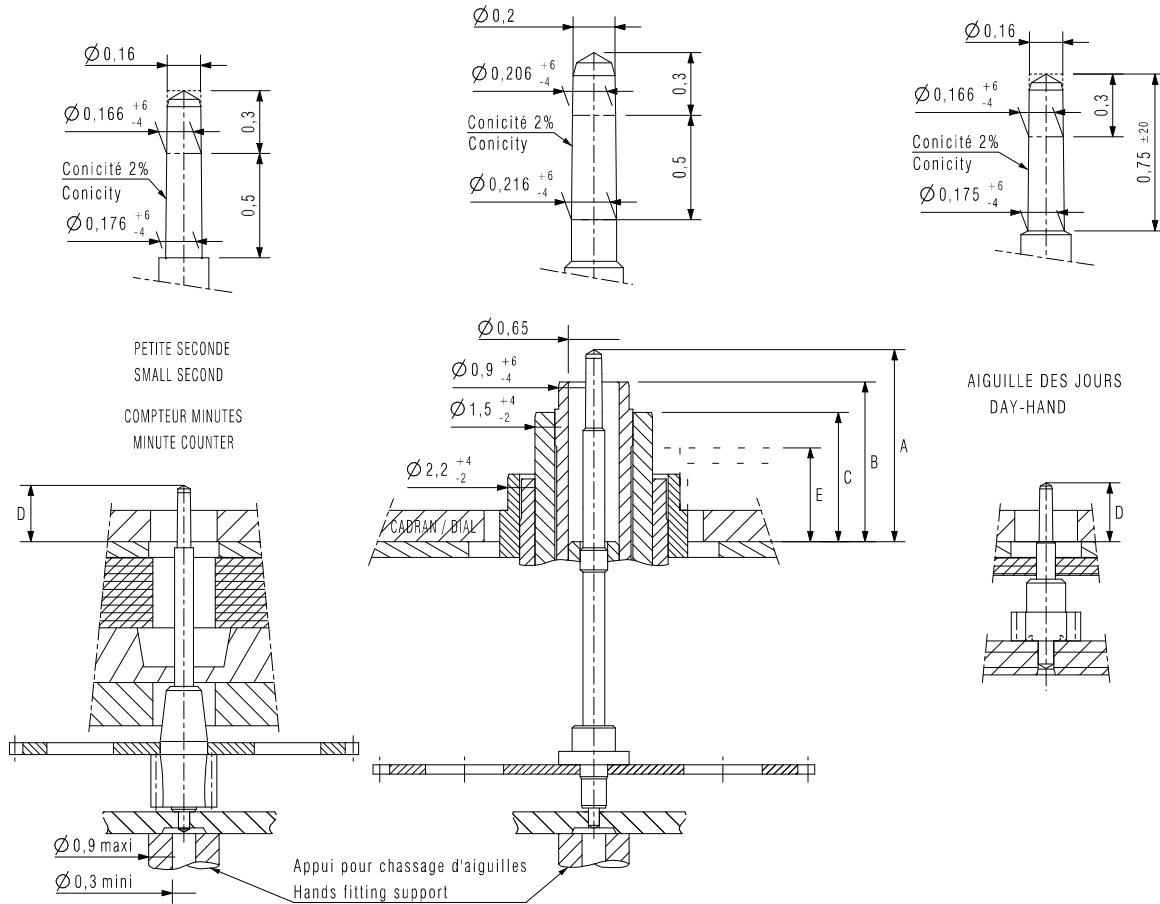
VUE COTE CADRAN
DIAL SIDE VIEW

In conformity with RoHS standard

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AIGUILLAGE / HAND-FITTING

AUTRES AIGUILLAGES SUR DEMANDE
OTHER HAND-FITTING ON REQUEST



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) / Small counter(s) wheel pinion	Aiguille alarme / Alarm hand	
N°2	2.45	2.05	1.65	0.67	1.20	0.40
HAUTEUR TUBE / TUBE HEIGHT	0.70	0.35	0.60	0.70	0.80	—

CHOCS 450 g / 450 g SHOCKS	Balourd / Unbalance	FORCE DE CHASSAGE / PRESS-IN-FORCE
Aiguille de l'alarme - Alarm Hand	—	≤ 25 N
Aiguille des heures - Hour Hand	—	≤ 25 N
Aiguille des minutes - Minute Hand	≤ 10 µNm	≤ 25 N
Trotteuse centrale - Central Hand	≤ 0.8 µNm	≤ 25 N
Aiguilles des petits compteurs - Small counters Hands	≤ 0.2 µNm	≤ 20 N

DIMENSIONS IN mm. - TOLERANCES IN µm.

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25.60 mm

EXEMPLE DE PRESENTATION
DESIGN SAMPLE



In conformity with RoHS standard

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ISASWISS
WATCH MECHANISMS

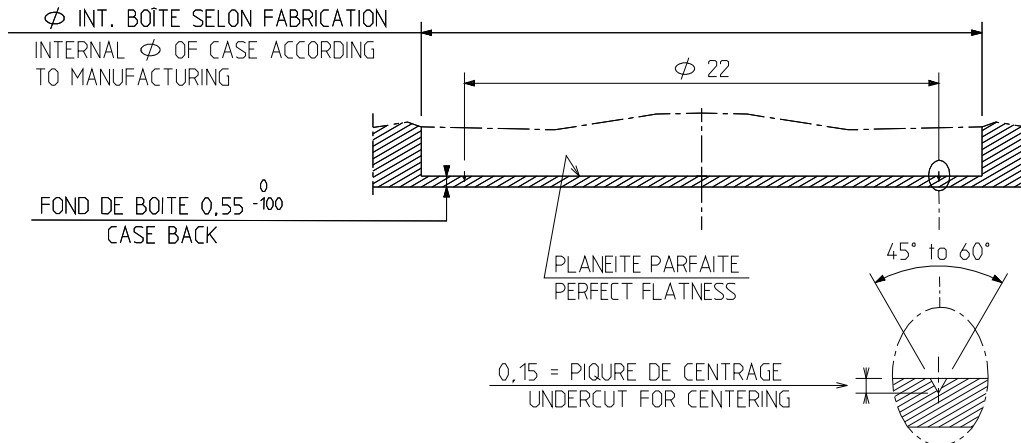
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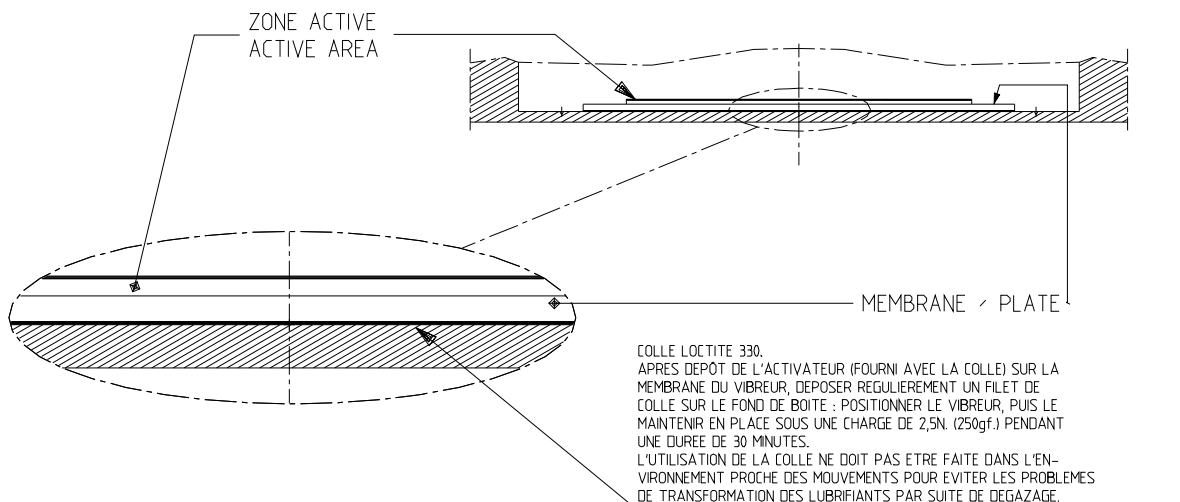
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DIRECTIVES POUR LA REALISATION DU FOND DE BOITE CASE BACK MANUFACTURING INSTRUCTIONS

∅ 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



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.