



Isa 8172/220 Movement Parts (1)

Compiled by EmmyWatch - <https://www.emmywatch.com>

ISA SPECIALITY

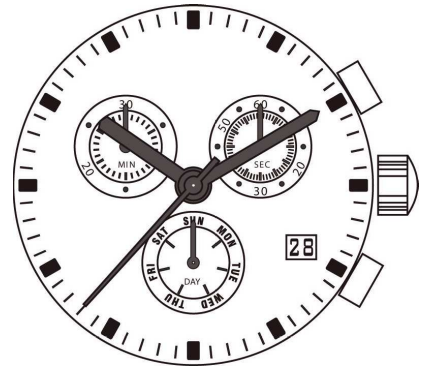
Cal 8172 / 220



SWISS MADE

ISASWISS CONCEPT

11 1/2 '''
25.60 mm
H. 4.20



In conformity with RoHS standard

EMMY WATCH
VINTAGE RESTORATIONS

CHRONOGRAPHS

10h



30 Mins.
Chrono

6h



Day by
Hand



Date by
window

2h



Small Sec.



End Of Life

ISASWISS
WATCH MECHANISMS

Caractéristiques :

Mouvement électronique à quartz. Moteur bi-rotor breveté. Moteurs rotatifs pas à pas. Petite seconde, 1 pas par seconde. 6 Aiguilles.
 Tige 3 positions.
 Jour par aiguille.
 Quantième par guichet, correcteur de quantième rapide.
 Trotteuse chronographe centrale, cinq pas par seconde. Compteur de minutes, 30 minutes, 1 pas par minute. Arrêt et remise à zéro automatique après 2 heures de chronométrage.
 Fin de vie (EOL): Déplacement de l'aiguille de petite seconde de 4 pas toutes les 4 secondes.
 Dispositif stop mécanique et électronique.

Characteristics :

Electronic quartz movement. Patented double rotor motor. Rotating stepping motors. Small second, 1 step per second. 6 Hands.
 Stem 3 positions.
 Day by hand.
 Date by window, quick date correction.
 Central chronograph trotteuse, five steps per second. Minute-counter, 30 minutes, 1 step per minute. Autostop and reset after 2 hours of timing.
 End of life (EOL): Indication by small second hand jumping 4 successive steps every 4 seconds.
 Stop device and current breaker.

Kennzeichnungen :

Elektronisches Quarzwerk. Patentierter Zweirotor Motor. Schrittschaltmotor Kleine Sekunde, 1 Schritt pro Sekunde. 6 Zeiger.
 Stellwelle 3 Positionen.
 Kleiner Tagszeiger.
 Rasche Korrektur des Datums mittels Stellwelle.
 Zentraler Chrono Zeiger, fünf Schritte pro Sekunde. 30 Minuten Zähler, 1 Schritt pro Minute. Stop und automatische Nullstellung nach 2 Zeitmessungstunden.
 Batterie-End-Anzeige (EOL): Vorrücken des Sekundenzeigers alle 4 Sekunden (4-Schritt-Motorimplus).
 Möglichkeit mechanisch oder elektrisch zu stoppen.

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 Magnetfeldabschirmung					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 Batterie 9.50 x 2.70	SR 927 W	1.55 V	395	55 mAh	57 mois 41 * months Monate

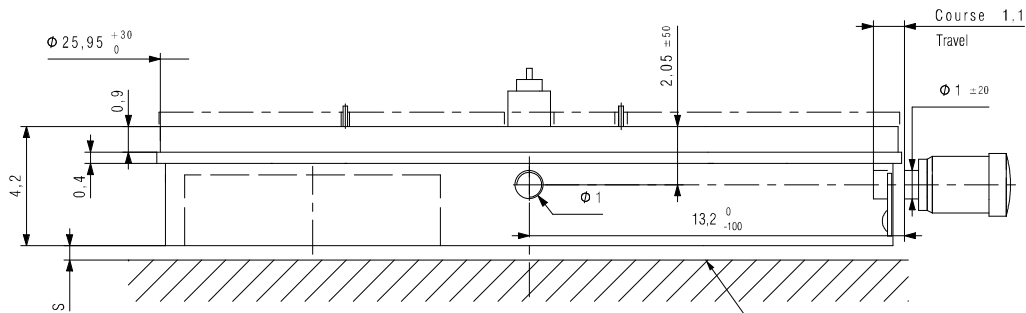
DIMENSIONS IN mm. - TOLERANCES IN µm.

* Avec chrono 1h / j - With chrono 1h / d - Mit chrono 1St./T

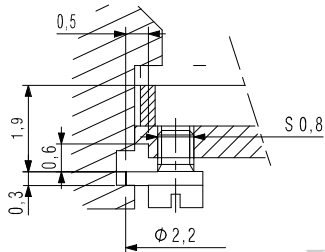
In conformity with RoHS standard

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CAGE (POUSSOIRS RADIAUX) / FRAME (RADIAL PUSHERS)

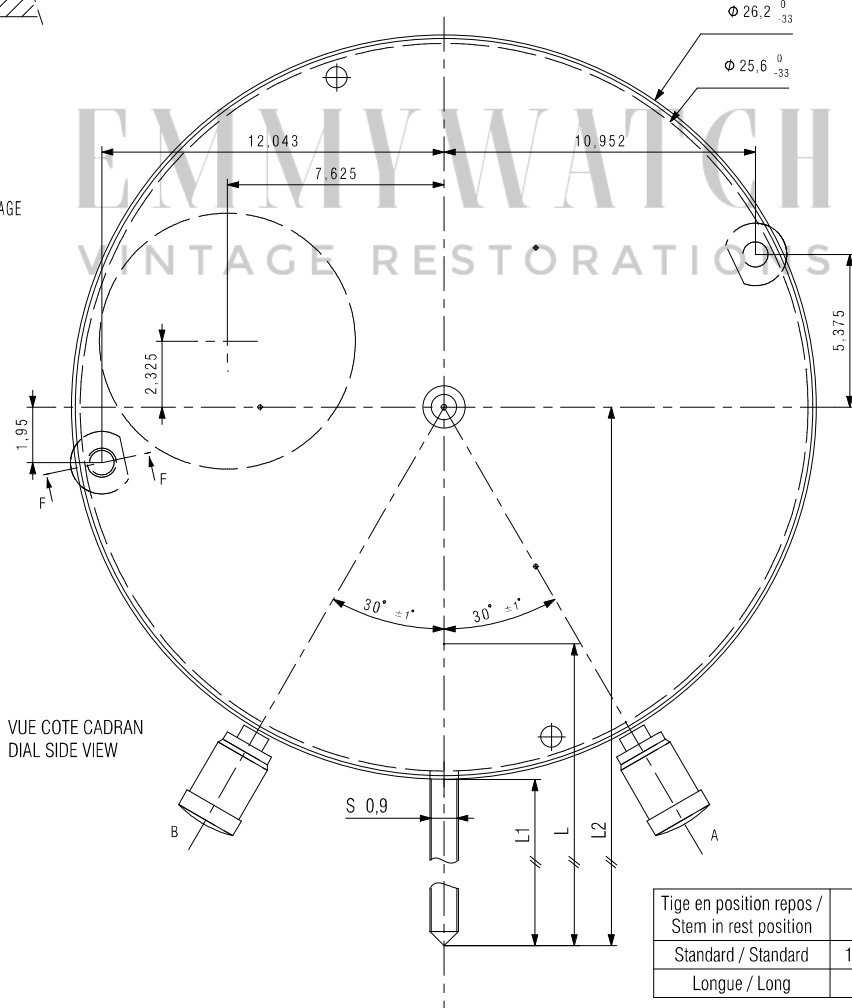


COUPE / CUT F-F



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

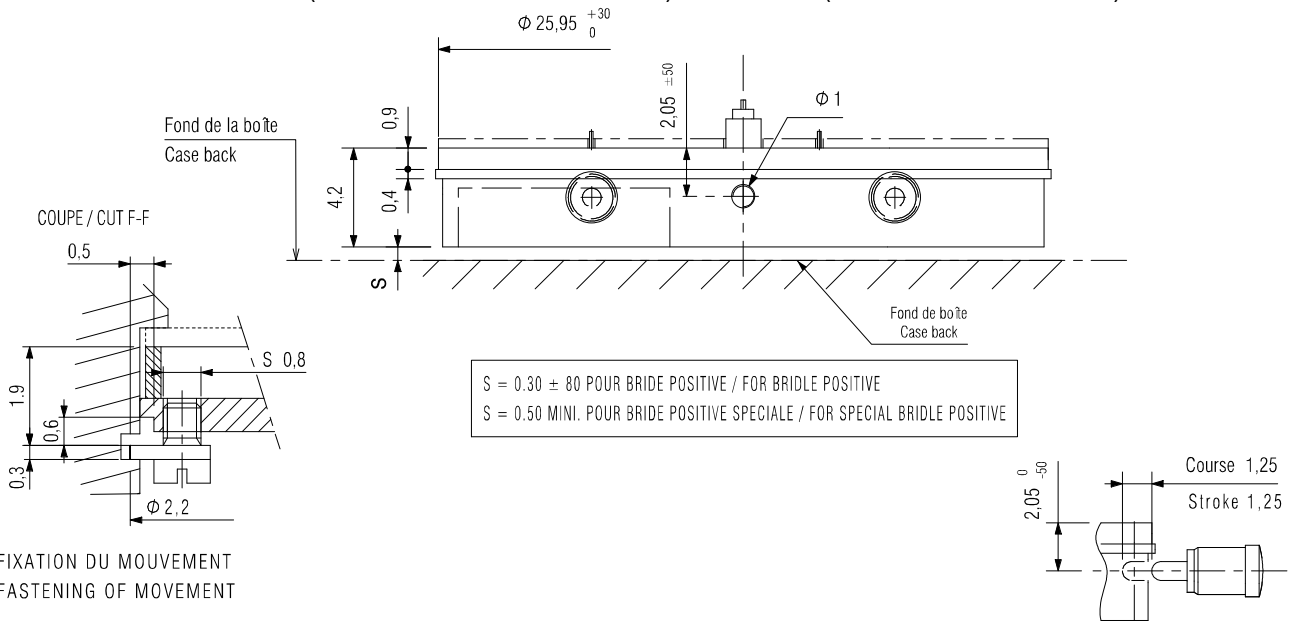
Tige en position repos / Stem in rest position	L	L1	L2
Standard / Standard	17.1 $^{+100}$	9.25	22.35
Longue / Long	25 $^{+100}$	17.15	30.25

DIMENSIONS IN mm. - TOLERANCES IN μm .

In conformity with RoHS standard

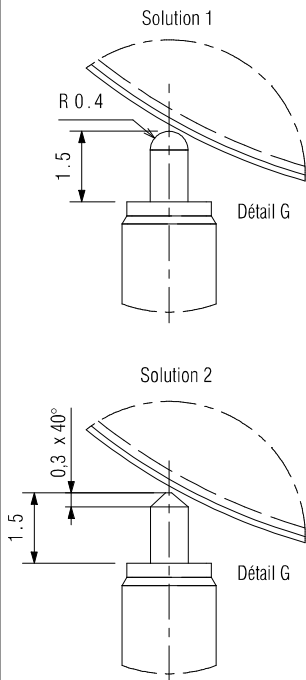
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CAGE (POUSSOIRS PARALLELES) / FRAME (PARALLEL PUSHERS)

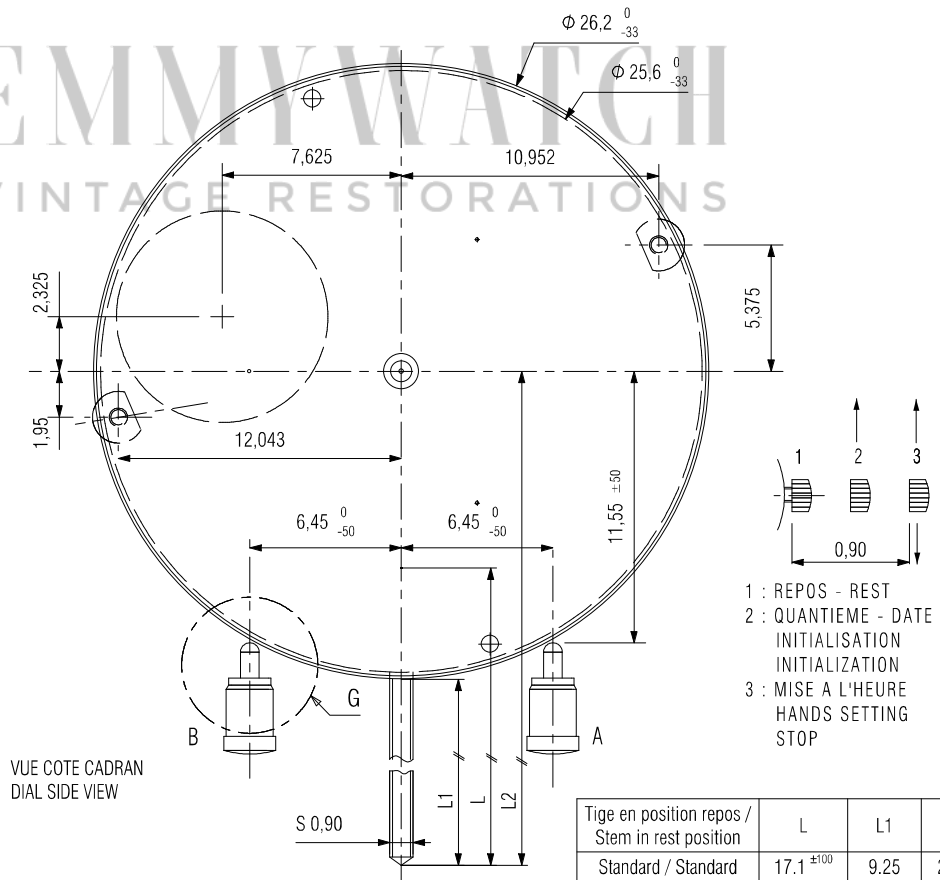


FIXATION DU MOUVEMENT
 FASTENING OF MOVEMENT

CLEFS DE FIXE OU CERCLE D'EMBOITAGE
 CASE SCREWS OR CASING RING
 AUTRES FIXATIONS POSSIBLES
 OTHER FIXATIONS POSSIBLES



EMMYWATCH
 VINTAGE RESTORATIONS



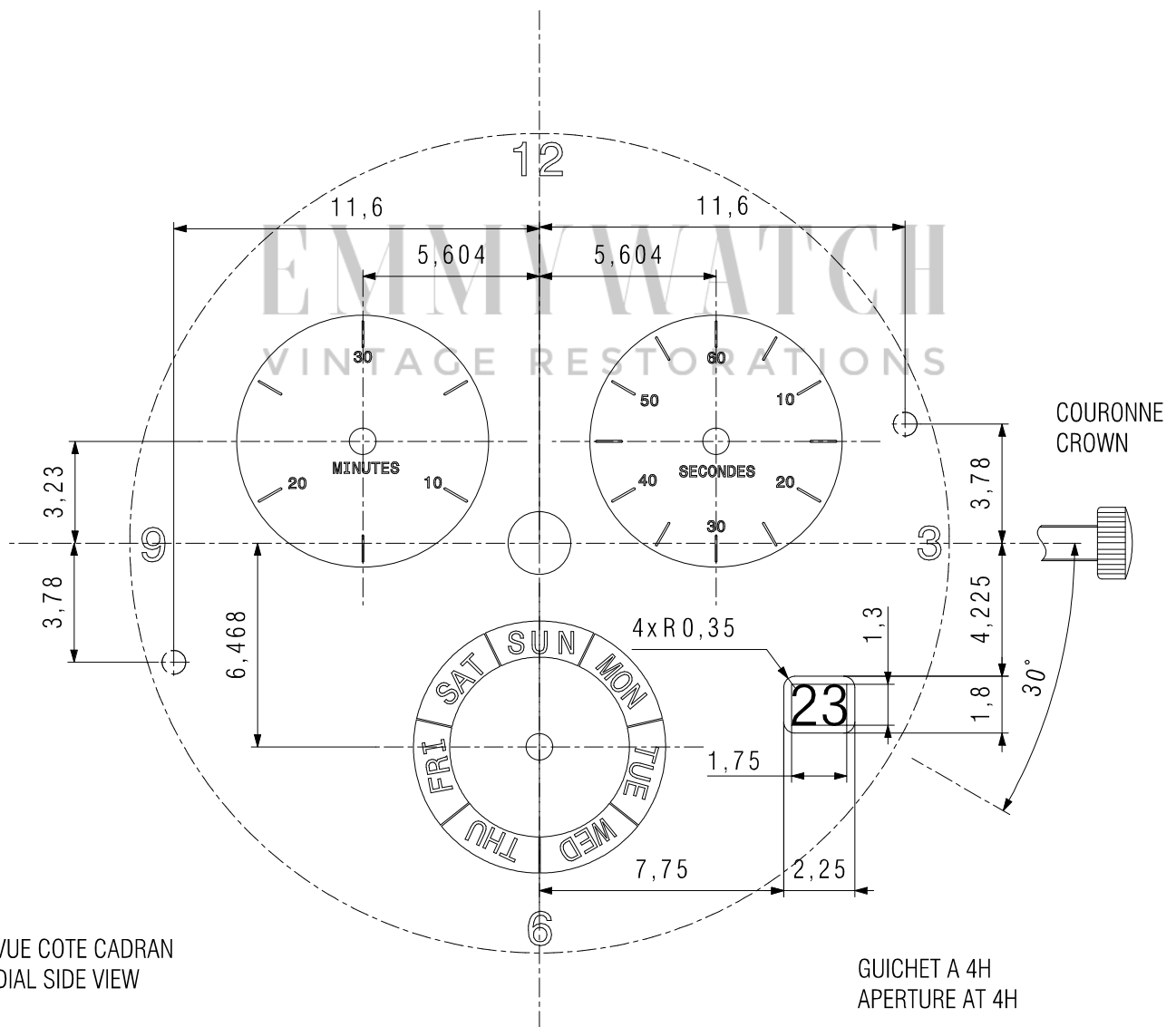
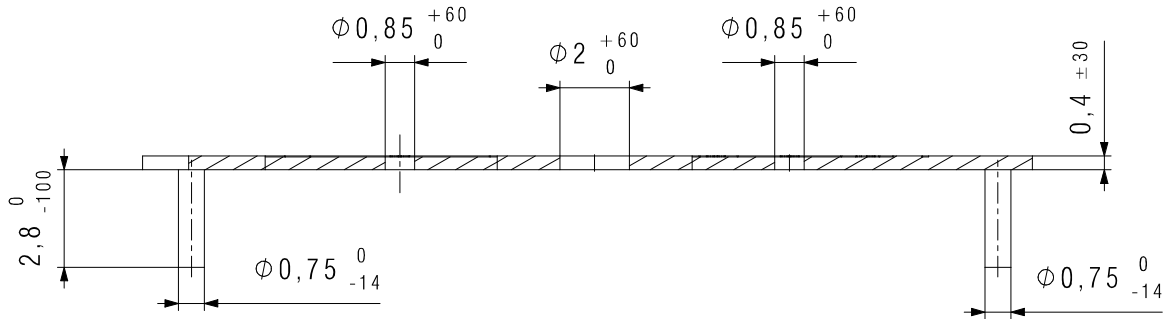
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Longue / Long	25 ^{±100}	17.15	30.25

DIMENSIONS IN mm. - TOLERANCES IN μ m.

In conformity with RoHS standard

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CADRAN / DIAL



VUE COTE CADRAN
 DIAL SIDE VIEW

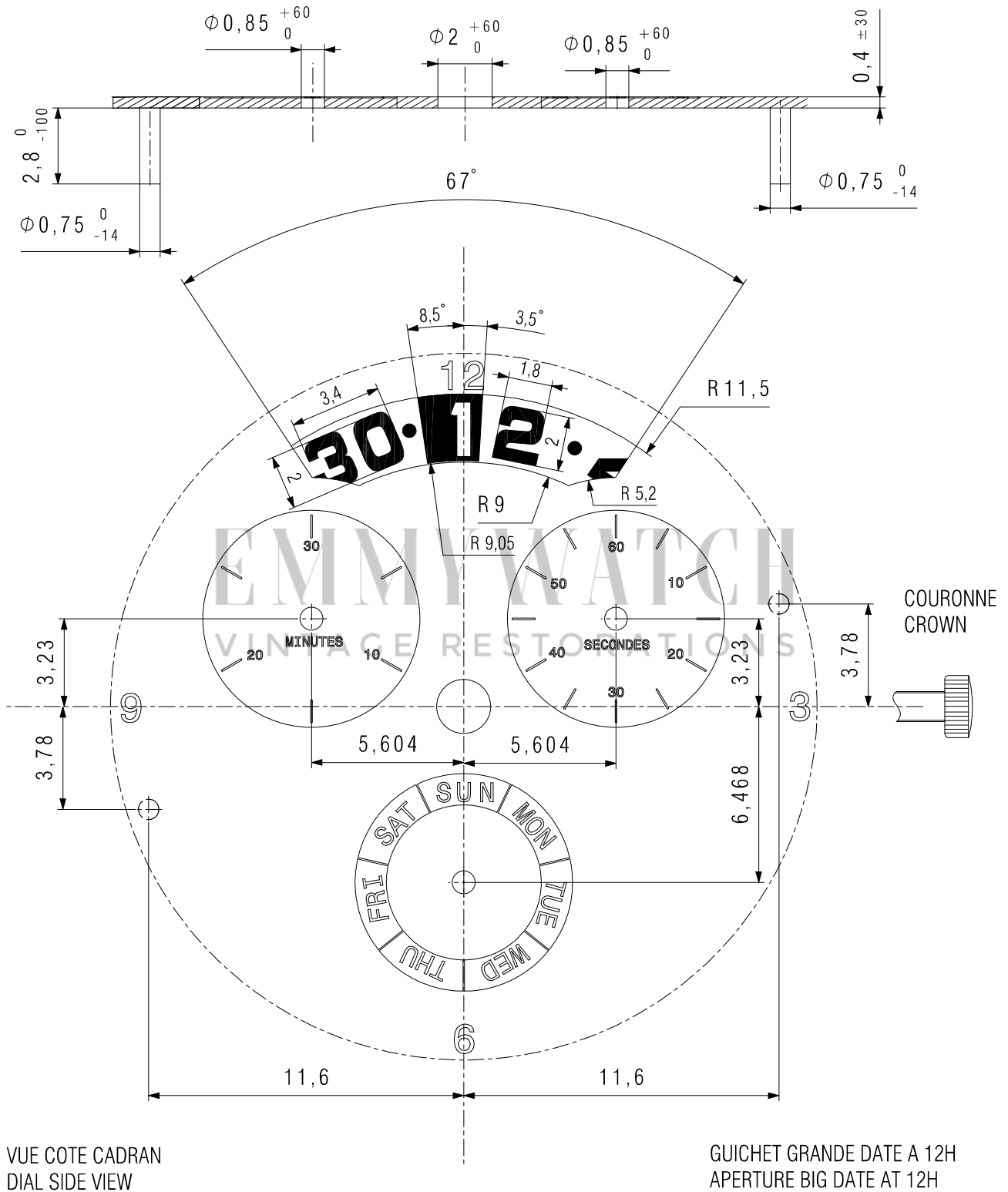
GUICHET A 4H
 APERTURE AT 4H

DIMENSIONS IN mm. - TOLERANCES IN μm .

In conformity with RoHS standard

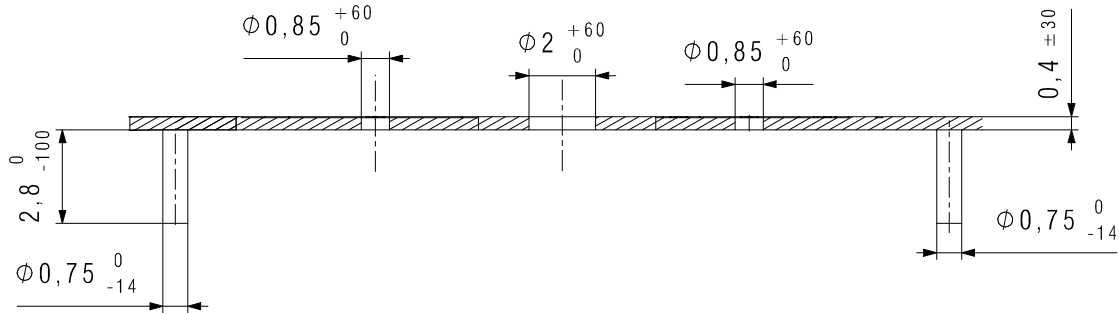
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CADRAN / DIAL



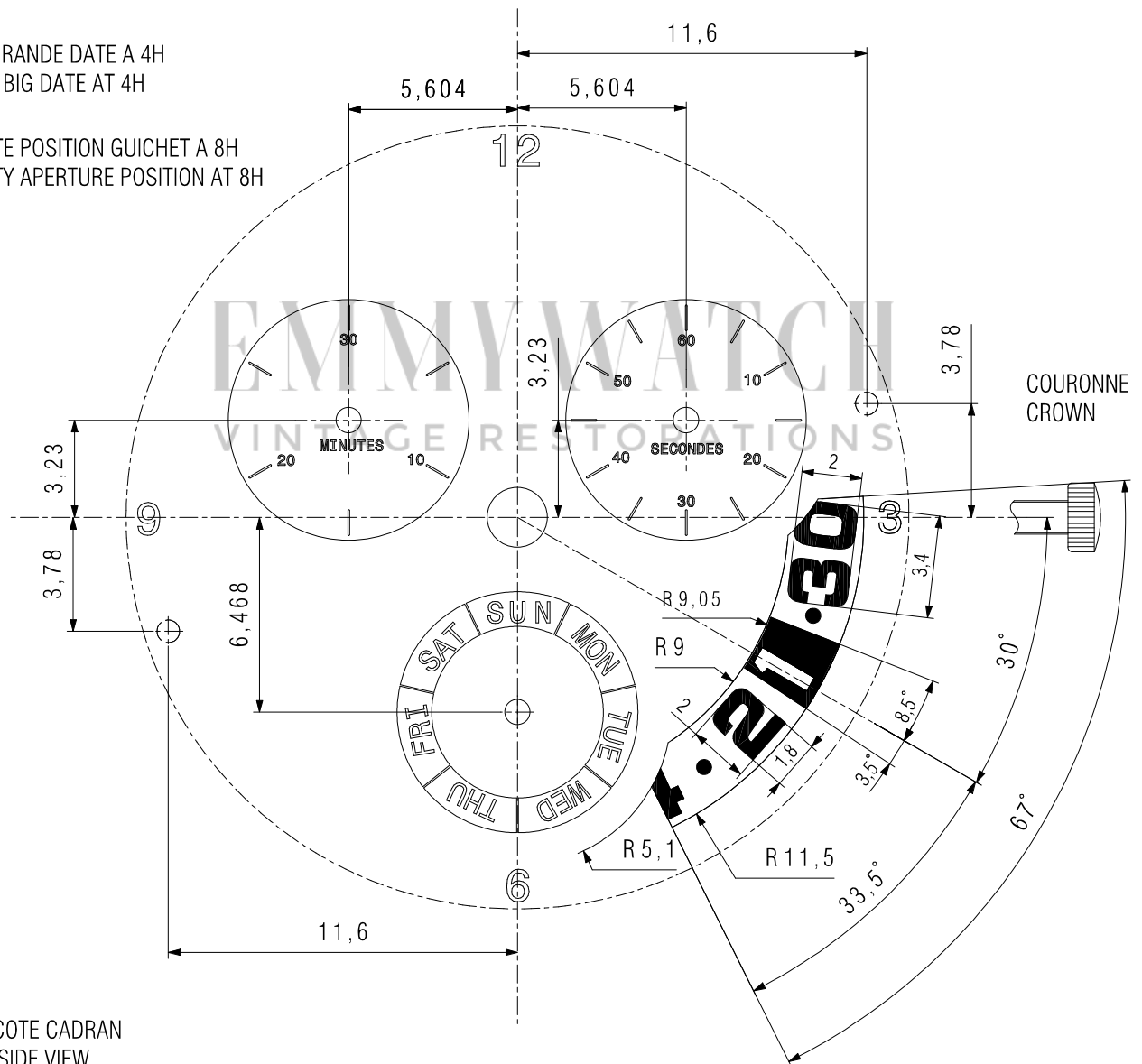
DIMENSIONS IN mm. - TOLERANCES IN μ m.

CADRAN / DIAL



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

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



VUE COTE CADRAN
 DIAL SIDE VIEW

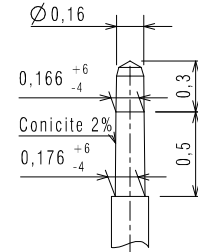
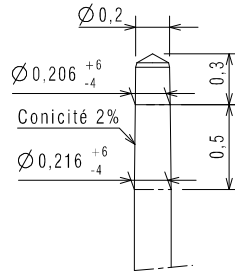
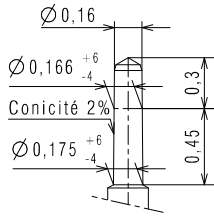
DIMENSIONS IN mm. - TOLERANCES IN μm .

In conformity with RoHS standard

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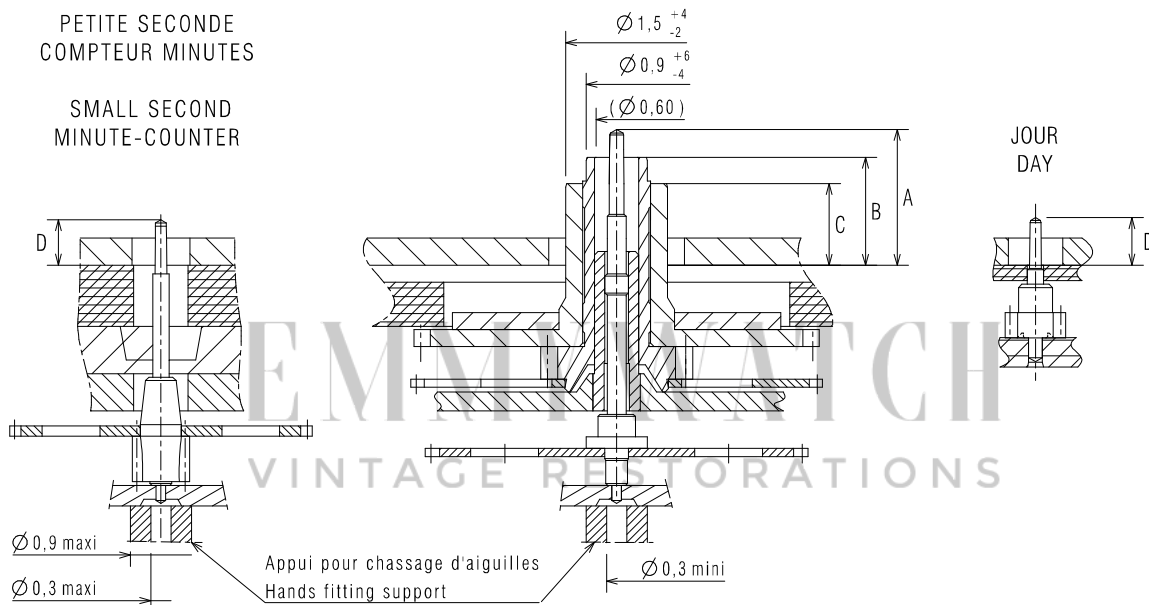
AIGUILLAGE / HAND-FITTING

AUTRES AIGUILLAGES SUR DEMANDE
 OTHER HAND-FITTING ON REQUEST



PETITE SECONDE
 COMPTEUR MINUTES

SMALL SECOND
 MINUTE-COUNTER



AIGUILLAGE / HAND-FITTING	Dépassement / Height over dial seat				Epaisseur cadran / Dial Thickness
	A	B	C	D	
	Pignon Central / Central wheel pinion	Chaussée / Cannon pinion	Roue des heures / Hour wheel	Pignon petit(s) comp-teur(s) / Small counter(s) wheel pinion	
N°2	2.05	1.60	1.20	0.70	0.40
N°3 Spécial	2.25	1.80	1.40	0.70	0.40

CHOCES 550 g / 550 g SHOCKS	Masse / Mass	Balourd / Unbalance	Inertie / Inertia	FORCE DE CHASSAGE / PRESS-IN-FORCE
Aiguille des heures - Hour Hand	≤ 2750 mg	≤ 110 µNm	≤ 88 gmm ²	≤ 25 N
Aiguille des minutes - Minute Hand	≤ 250 mg	≤ 10 µNm	≤ 8 gmm ²	≤ 25 N
Trotteuse centrale - Central Hand	≤ 20 mg	≤ 0.8 µNm	≤ 0.66 gmm ²	≤ 25 N
Aiguilles des petits compteurs - Small counters Hands	≤ 5 mg	≤ 0.2 µNm	≤ 0.16 gmm ²	≤ 20 N

DIMENSIONS IN mm. - TOLERANCES IN µm.

In conformity with RoHS standard

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ISASPECIALITY

8172 / 220



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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