

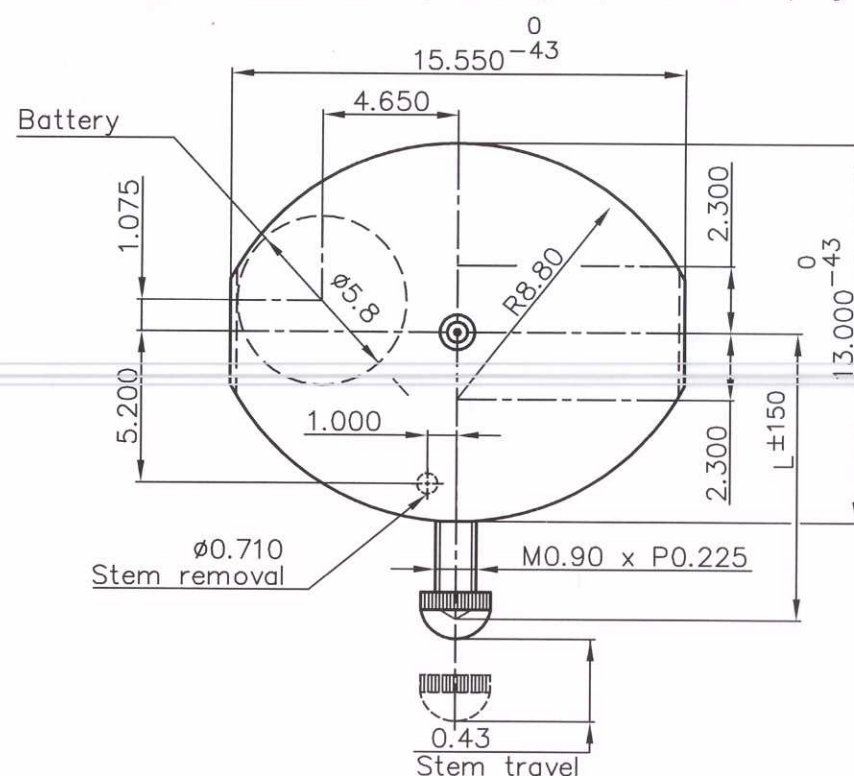
An analog clock face with two hands. The hour hand is slightly past the 10, and the minute hand is pointing exactly at the 2. This represents the time 10:10.

Technical drawing of the back cover assembly. The drawing shows a cross-section of the assembly with the following dimensions and components:

- Mineral glass**: The top layer of the assembly.
- Backcover**: The main body of the assembly.
- Dimensions**:
 - Top layer thickness: 0.500 min.
 - Mineral glass thickness: 0.400
 - Backcover thickness: 1.000
 - Backcover width: 15.150⁰-27
 - Backcover depth: 2.600
 - Backcover bottom thickness: 0.200

NOTE: Battery held by top bridge clamping.

NOTE: Battery held by top bridle clamping

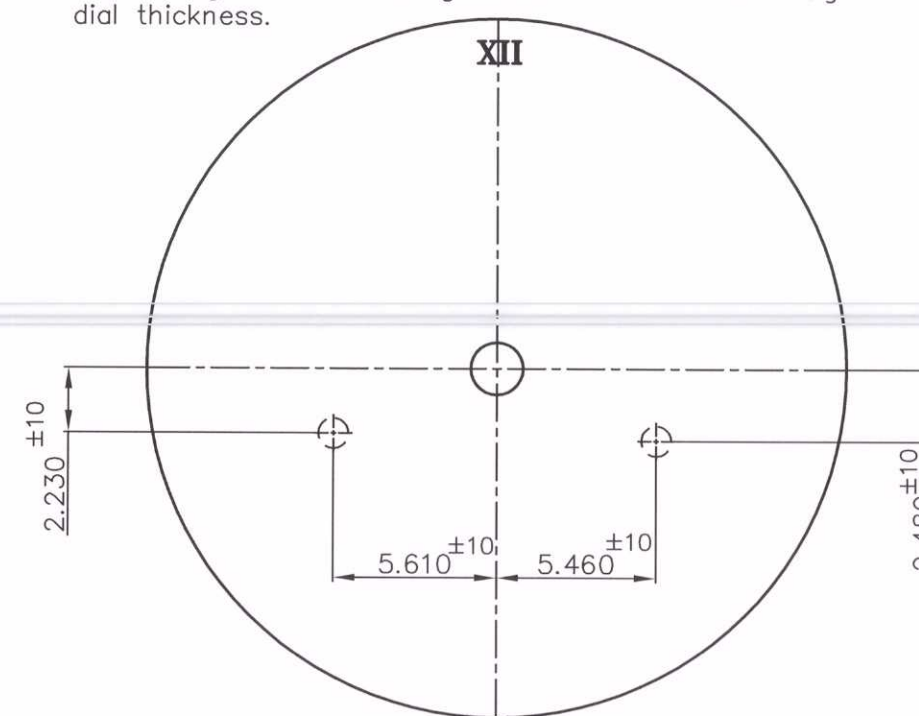


DIAL DETAILS

Technical drawing of a beam cross-section showing reinforcement details. The drawing includes dimensions for the beam width (1.600 ± 100), reinforcement bar diameter (ø1.800), and spacing (0.200 max). It also shows a 15° angle for the reinforcement bar and a 0.300 max dimension for the bar placement. The drawing is labeled "DIAL DETAILS".

*NOTE:

1. Cal.5120 High is for VGP/VNP dial(D) of 0.400mm thickness and Embossed / Hybrid dial(D) of 0.800mm(max.) thickness.
2. Cal.5120 High(2) is for dial thickness of 1.200mm(max).
3. Stem height in case design to be followed according to the dial thickness.

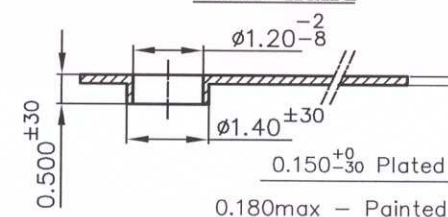


Movement size	5 1/2"x6 3/4"(13.0x15.15mm)
Functions	2 hands
Thickness	2.60mm
Stem height	1.00
No. of jewels	1
Type of IC	C-MOS-LSI
Quartz frequency	32,768 Hz
Accuracy	±20 sec/month
Pulse rate	1 pulse per 20 seconds
Operating Voltage	1.10 (Typical)
Coil resistance	1.55 Kohms (Typical)
Current consumption – μA	0.20 (Typ) – 0.30 (max)
Torque at Minu.hand – μNm	20 (min) – 30 (Typ)
Effective temperature range	0 to +55°C

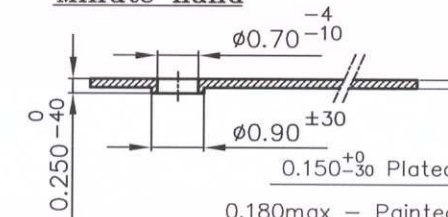
Shock Resistance		As per NIHS 91/10
Resistance to magnetic field		As per NIHS 90/10
POWER CELL	Type	SR521SW
	Size	Ø5.8 X t 2.10 mm
	Voltage	1.55 V
	Capacity	16 mAh
	Life (theoretical)	83 months

Hand details for STD version

Hour hand

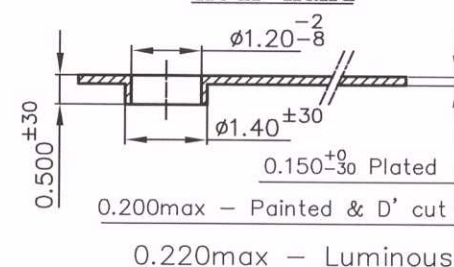


Minute hand

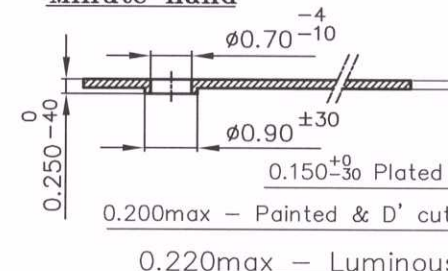


Hand details for High 1 & High 2 versions

Hour hand

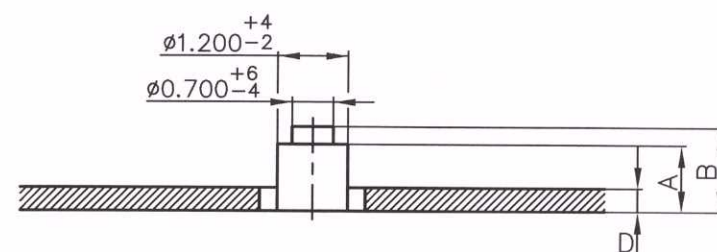


Minute hand



Hand fitting dimensions				
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Calibre	A	B	D	CROWN SPACER
STD	0.750	1.050	0.400	NOT REQUIRED
HIGH 1	1.250	1.600	*	NOT REQUIRED
HIGH 2	1.650	2.030	*	NOT REQUIRED



HANDS	DESCRIPTION		MINUTE HAND
	Imbalance mg.mm		20
	Inertia mg.mm ²		100
	Weight mg (max).		6
	Length mm (max)	Brass	7
		Dural	10

**—Observed value

Notes:

- 1) All dimensions are in mm.
- 2) Tolerances are in μm .
- 3) No crown spacer needed for 5120 movements

e)	Crown spacer details added	30.08.19	AF
d)	Cal.5120 High2 version added; Electrical	30.3.16	Velu
c)	Parameters, Battery life & Hands details updated		
b)	Cal.5120 High version added.	26.08.08	jay
	Stem dim details added	16.03.07	vr
Index	Alterations	Date	Sign

	Prepared	Checked	Approved
Name			
Date	25/8/19		

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