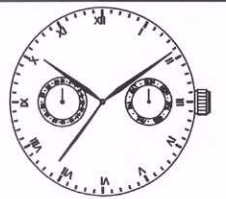


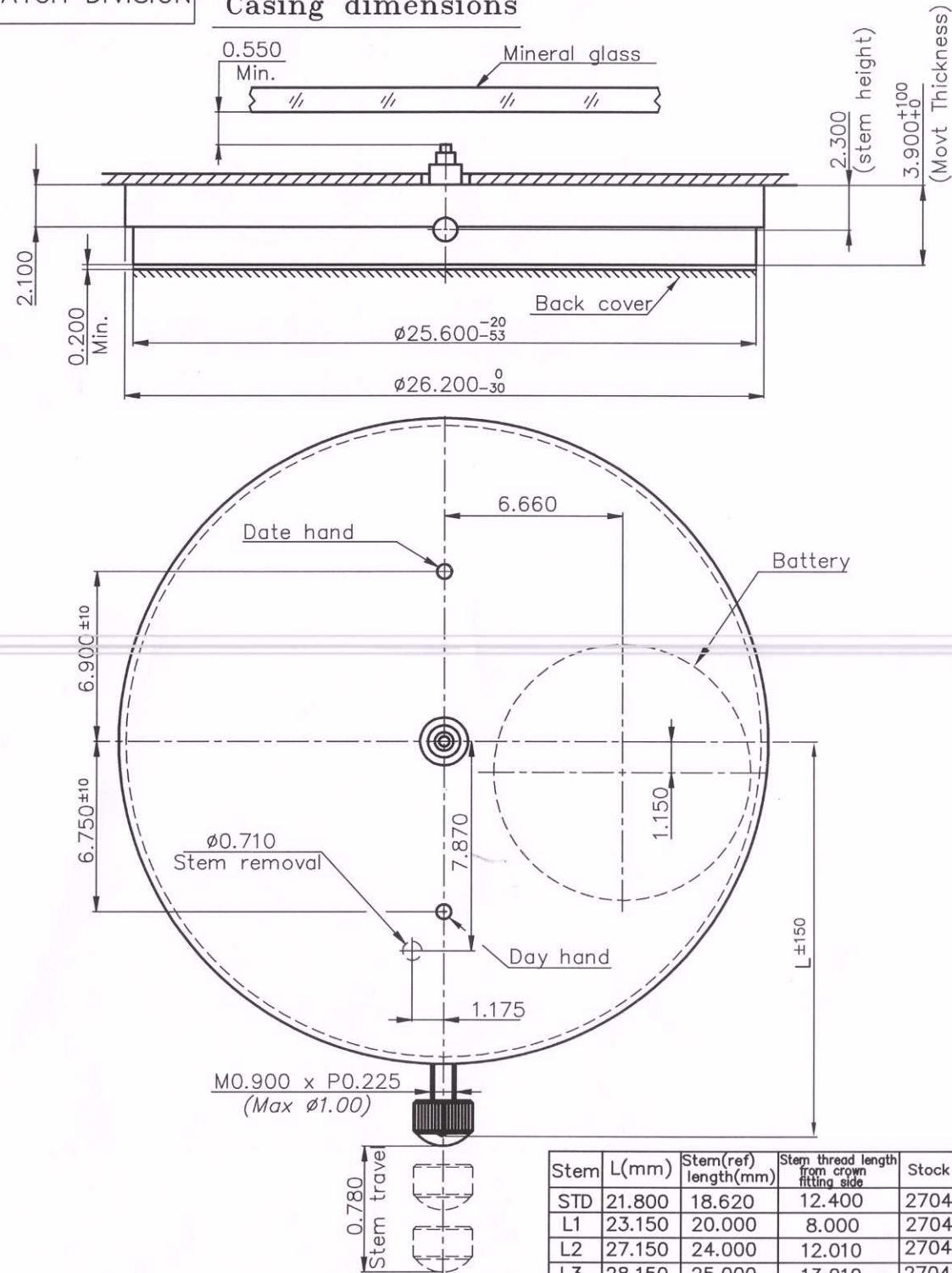


WATCH DIVISION

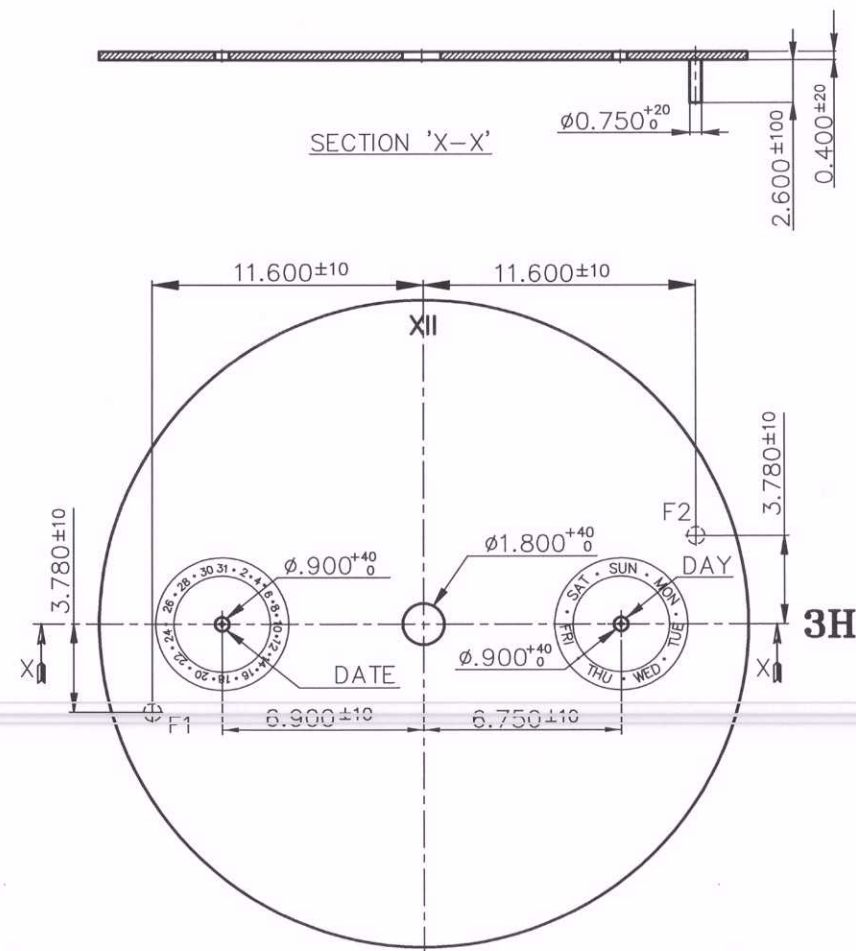
TECHNICAL DATA FOR MULTIFUNCTION MOVEMENT – CAL.7M21



Casing dimensions

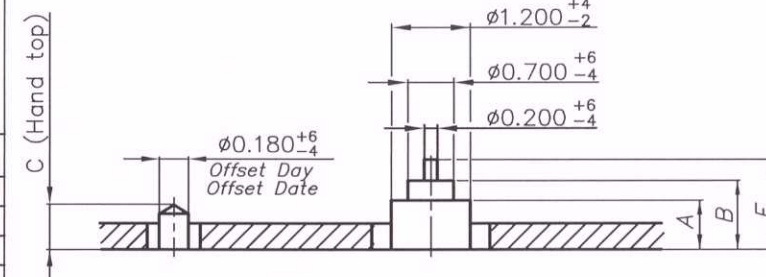


Type A (std version)



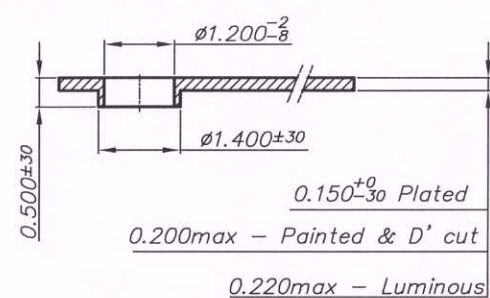
Hand fitting dimensions

Calibre	A	B	C	E
STD	1.200	1.600	0.750	2.020
H1	1.650	2.100	1.000	2.540

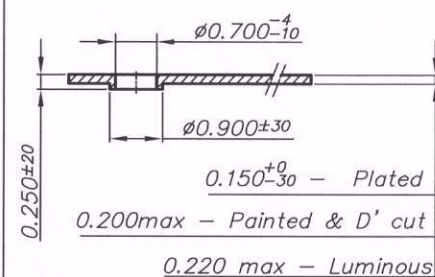


Hand details

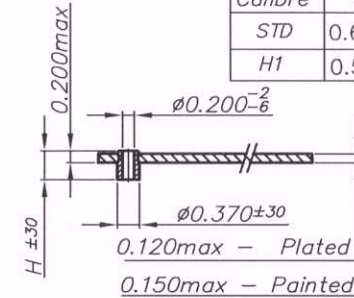
Hour hand



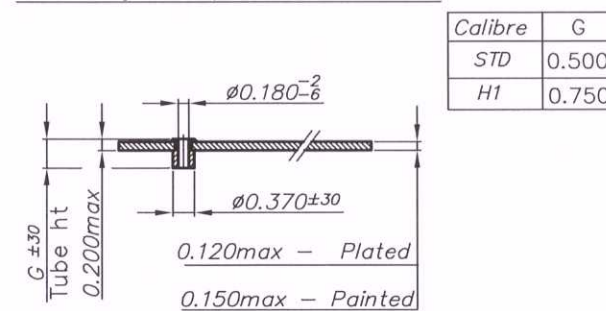
Minute hand



Second hand



Offset Day hand / Offset Date hand



Movement size		11 1/2''' (25.60 mm)			
Functions		3 hands + 2 eyes (Date at 9H/Day at 3H)			
Thickness		3.90 mm (including battery)			
Stem height		2.30 mm			
No. of jewels		01			
Type of IC		C-MOS-LSI			
Quartz frequency		32,768 Hz			
Accuracy		±20 sec/month			
Pulse rate		1 pulse per Second.			
Coil resistance		2.90 kΩ			
Current consumption		0.81uA(Typ) ~ 1.05uA(max)			
Torque at Second hand		3.5 μNm(min) – 6.0 μNm(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	SR920SW			
	Size	Ø9.5 x 2.1 mm			
	Voltage	1.55 V			
	Capacity	45 mAh			
	Life (theoretical)	60 months			
	Battery clamping	Positive (top clamp)			
HANDS	DESCRIPTION		MINUTE HAND	SECOND HAND	DATE HAND DAY HAND
	Imbalance mg.mm		60	15	6
	Inertia mg.mm²		500	250	90
	Weight mg (max).		12	7	4.5
	Length mm(max)	Brass	14.5	14.5	4.5
Dural		18	20	4.5	

Note: 1) All dimensions are in mm.
2) Tolerances in μ m.
3) Quick setting is provided for the Day & Date.
4) Jewel Support should be provided for center
5) Reset function available & Crown spacer to be used

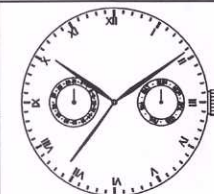
Ind	Alterations	Date	Sign
d	Hands length details updated	29.9.19	RTMK
	Tube height modified for Sec hand(STD)		
Prepared		Checked	Approved
Name			
Date			

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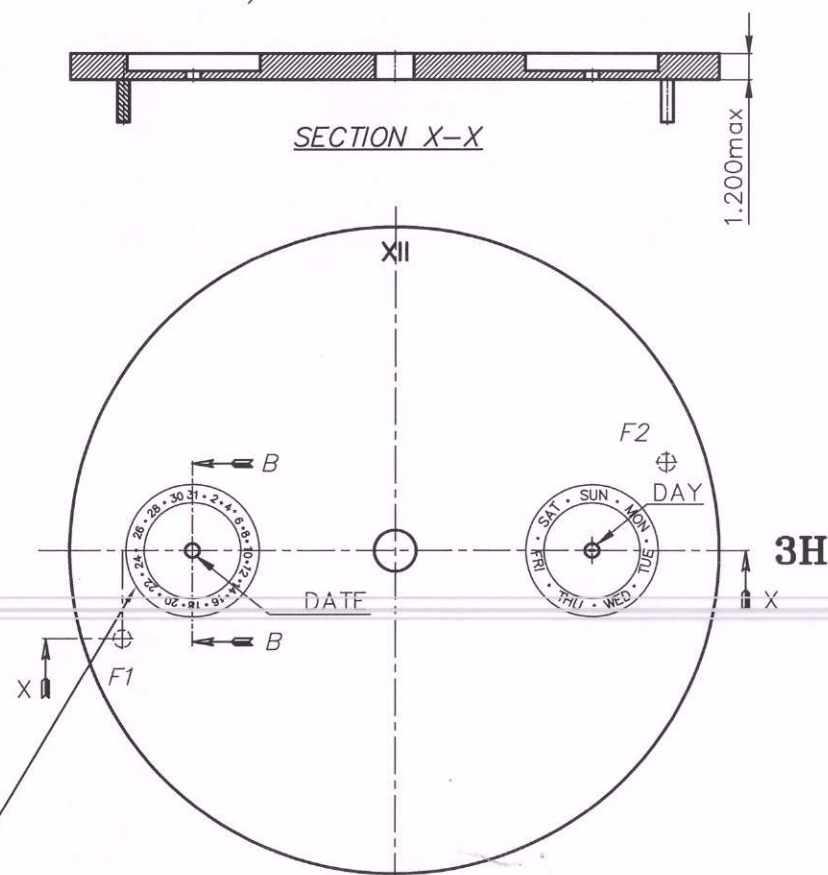
TECHNICAL DATA FOR MULTIFUNCTION MOVEMENT – CAL.7M21



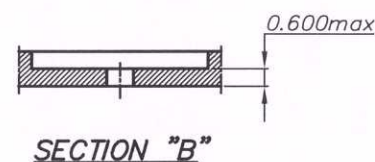
Dial details

* For other details refer dial type A

TYPE B (HIGH VERSION)



Diameter to be considered 0.500mm more than the Hand diameter for all eyes



(section B is applicable for day & date eye)

*NOTE:

- 1.Cal.7M21 High (H1) is for Embossed/Hybrid dial of 1.200mm(max.) thickness.
- 2.Stem height in case design to be followed according to the dial thickness.

Index	Alterations	Date	Sign
b	Hand details updated; Offset Hand tube height updated "G"; Dim 1.00 was 0.750 for H1 "C". Dial thick 0.600 was 0.400 at offset hand area	30.5.14	RTMK
Prepared		Checked	Approved
Name			
Date			

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Sheet 2 of 2