

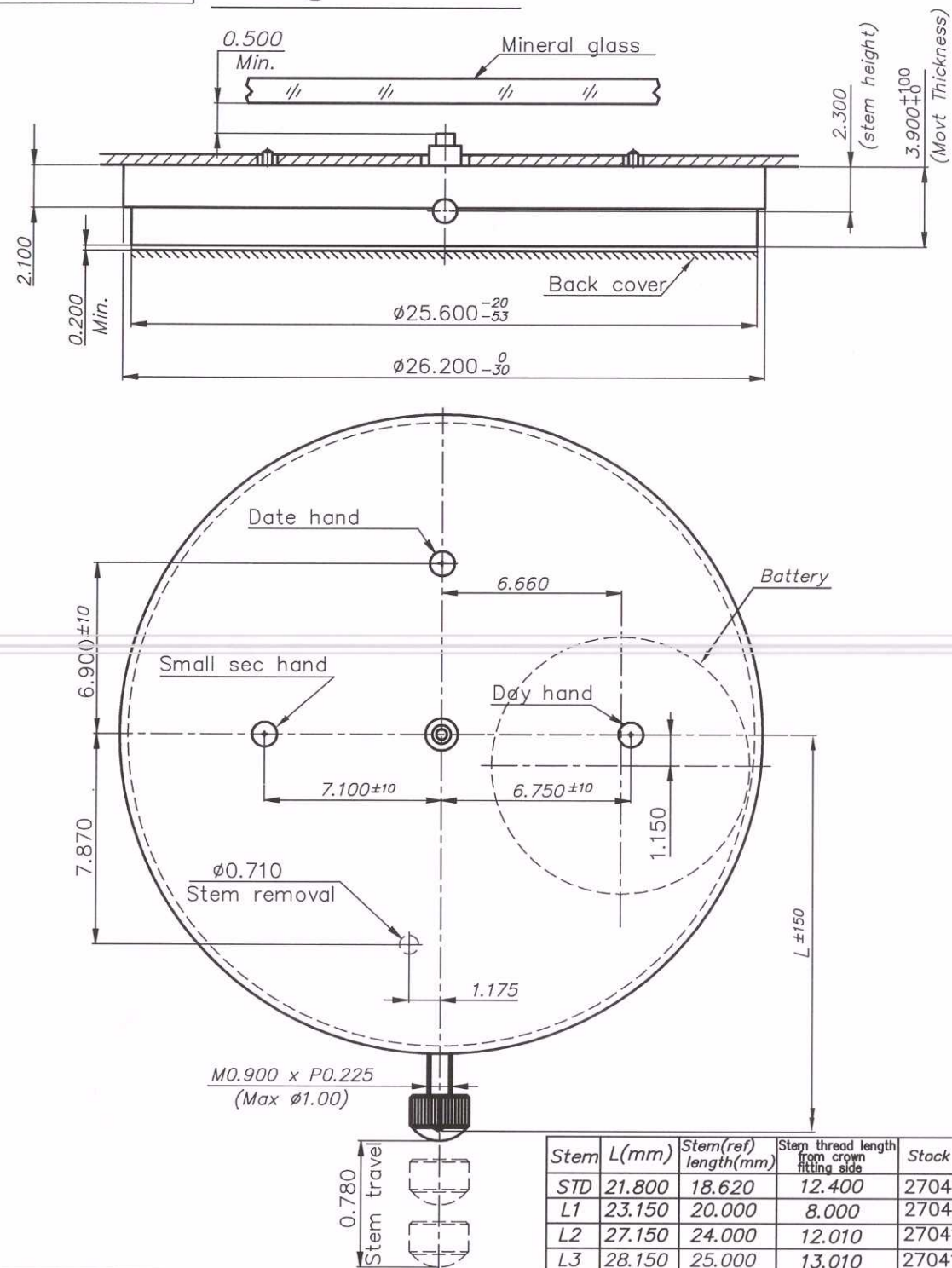


WATCH DIVISION

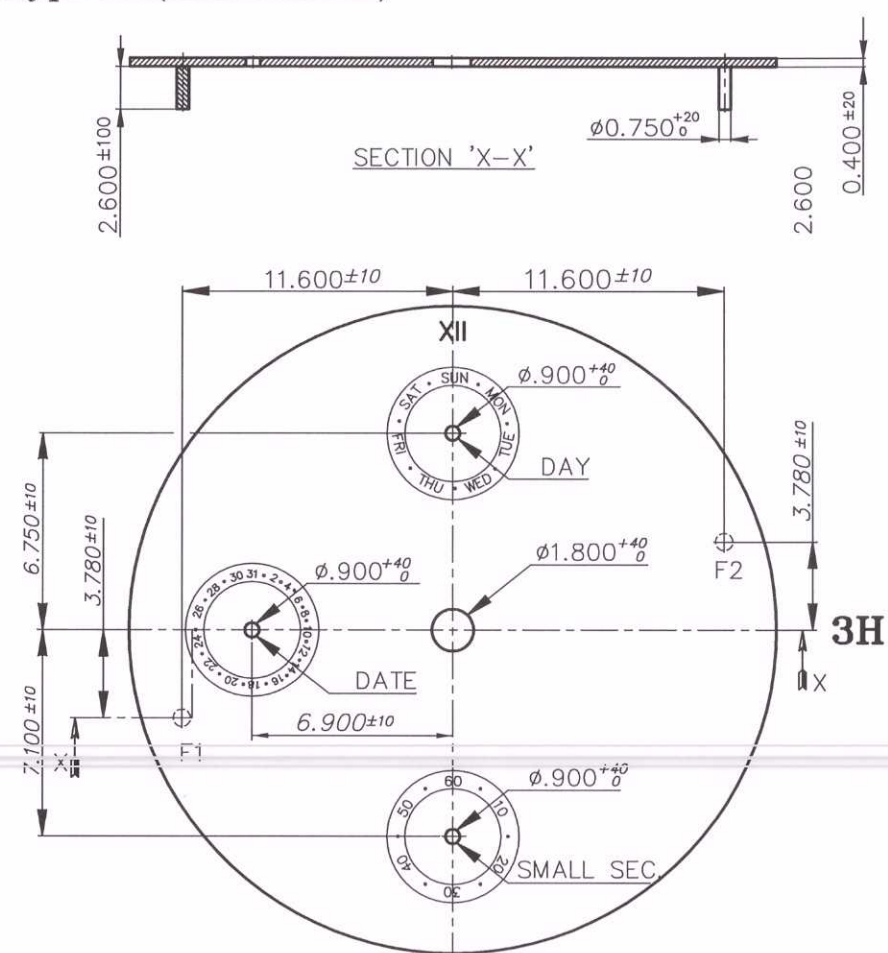
TECHNICAL DATA FOR MULTIFUNCTION MOVEMENT – CAL.7M22



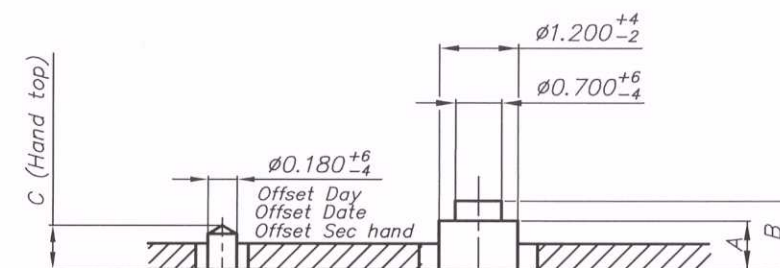
Casing dimensions



Type A (std version)



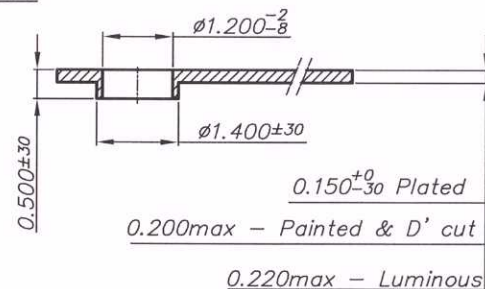
Hand fitting dimensions



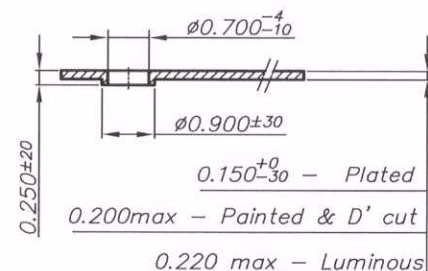
Calibre	A	B	C
STD	1.200	1.600	0.750
H1	1.650	2.100	1.000

Hand details

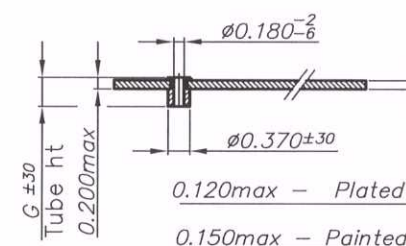
Hour hand



Minute hand



Offset Day hand / Offset 24Hr hand / Offset sec hand



Calibre	G
STD	0.500
H1	0.750

Movement size	11 1/2" (25.60 mm)
Functions	2 hands + 3 eyes (Small sec at 6H/Date at 9H/Day at 12H)
Thickness	3.90 mm (including battery)
Stem height	2.30 mm
No. of jewels	03
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	0.81µA(Typ) ~ 1.05µA(max)
Torque at Second hand	3.5 µNm(min) – 6.0 µNm(typ)

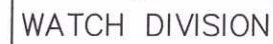
Effective temperature range	0 to +55°C
Shock resistance	As per NIHS 91/10
Resistance to magnetic field	As per NIHS 90/10

POWER CELL	Type	SR920SW
	Size	Ø9.5 x 2.1 mm
	Voltage	1.55V
	Capacity	45 mAh
	Life (theoretical)	60 months
Battery clamping		Positive (Top clamp)

HANDS	DESCRIPTION	MINUTE HAND	SMALL SEC HAND 24Hr HAND DAY HAND
	Imbalance mg.mm	60	6
	Inertia mg.mm ²	500	90
	Weight mg (max).	12	4.5
	Length mm(max)	Brass 14.5 Dural 18	4.5

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

Ind	Alterations	Date	Sign
e	Hands length details updated	29.9.19	RTMK
Prepared		Checked	Approved
Name		Date	



* For other details refer dial type A

SECTION 'X-X'

1.200max

XII

SAT • SUN • MON • TUE • WED • THU • FRI

DAY

DATE

1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 23 • 24 • 25 • 26 • 27 • 28 • 29 • 30 • 31

F1

F2

3H

SMALL SEC.

60 • 50 • 40 • 30 • 20 • 10 • 05

B

0.600max

(section B is applicable for sec , day & date eye)

1. Cal. 7M22 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.

Copy right of this drawing is owned and retained by Titan company Limited. Unauthorised use not permissible and a cognizable offence in the absence of permission from Titan company Limited.

K: \Drawings\Tech data\TCL\7M22_new.dwg

Index	Alterations	Date	Sign
Name	Prepared <i>[Signature]</i> 29/11/19	Checked	Approved <i>[Signature]</i> 11/12/19
Date			

TITAN COMPANY LIMITED HOSUR 635 126

①

T-2722

Sheet 2 of 2