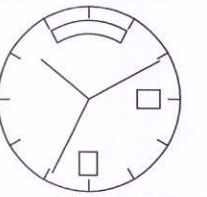


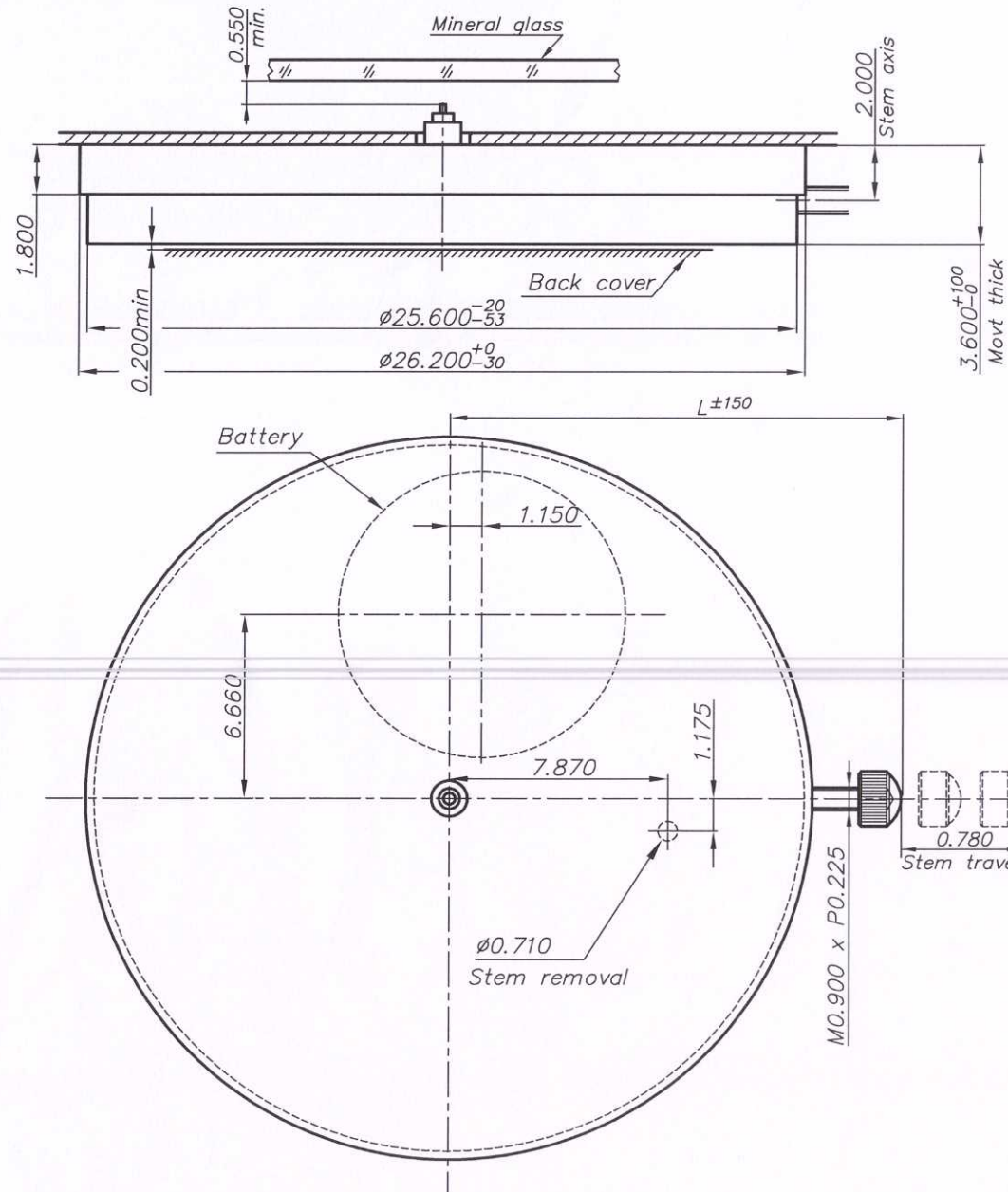


WATCH DIVISION

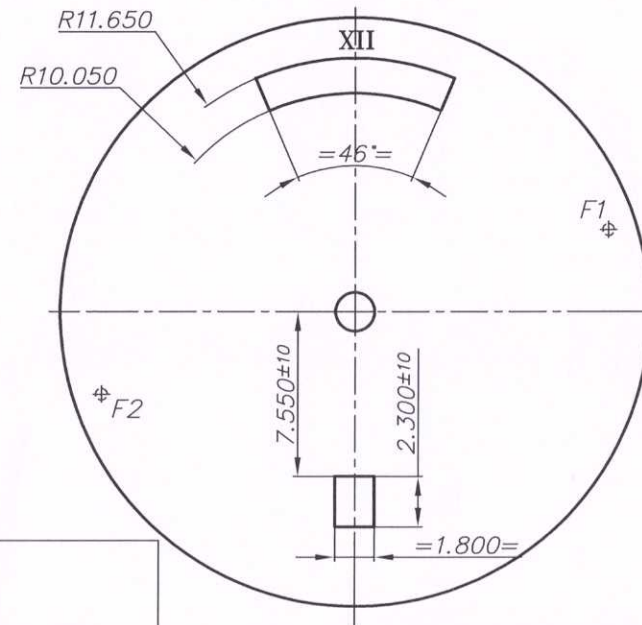
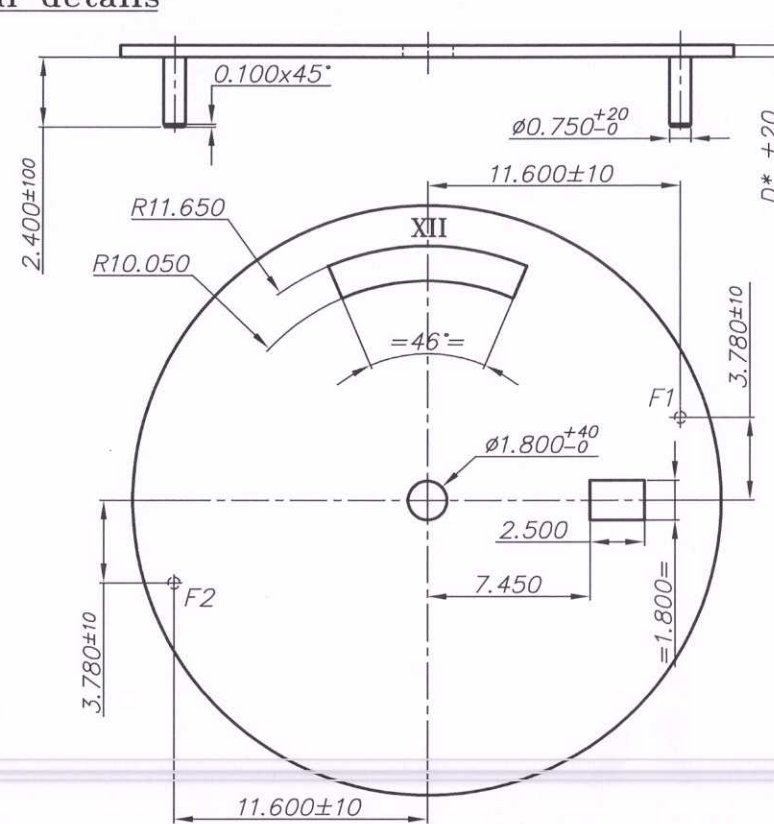
TECHNICAL DATA FOR 7228



Casing dimensions



Dial details

TYPE A
TYPE B

Note: For other details ref. "TYPE A"

Movement size	11 1/2" (25.60 mm)
Functions	3H + Sect day at 12H + Date
Thickness	3.60 mm
Stem height	2.00 mm
No. of jewels	1
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	
A B	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	

HANDS	DESCRIPTION	MINUTE HAND	SECOND HAND
	Imbalance mg.mm	60	15
	Inertia mg.mm ²	500	250
	Weight mg (max).	12	7
	Length mm (max) Brass	13	13

Notes :

- 1) All dimensions are in mm.
- 2) Tolerances in μm.
- 3) Battery holding : Top clamping
- 4) Quick Setting is provided for day date fn
- 5) Crown spacer to be provided
- 6) Clearance MG to SH top increased 0.550, should consider from new case designs

h)	Dial type C window details updated for Punjab Script	31.7.20	RTMK
g)	Dial type C added for Punjab Script	24.7.20	RTMK
f)	Reep Electrical Details added; clearance MG to SH 0.550 was 0.500	11.05.19	AKASH
e)	Draft Error - Dial foot length 2.400±100 was 3.200±100	10.04.18	Surija
Index.	Alterations	Date	Sign

	Prepared	Checked	Approved
Name			
Date			

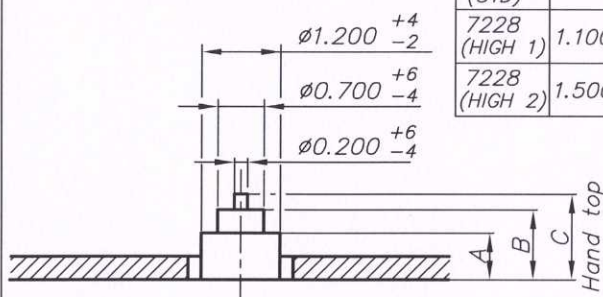
TITAN COMPANY LIMITED HOSUR 635 126

Stem	L(mm)	Stem(ref) length(mm)	Stem thread length from crown fitting side	Stock No
STD	21.800	18.620	12.400	2704153
L1	23.150	20.000	8.000	2704161
L2	27.150	24.000	12.010	2704162

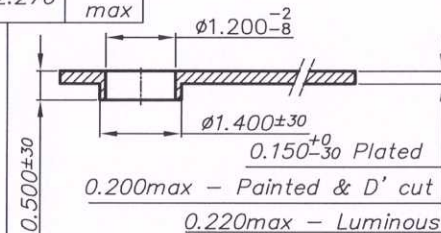
*NOTE:

1. Cal. 7228 High is for VGP/VNP dial(D) of 0.400mm thickness and Embossed / Hybrid dial(D) of 0.700mm(max.) thickness.
2. Stem height in case design to be followed according to the dial thickness.

Hand fitting dimensions



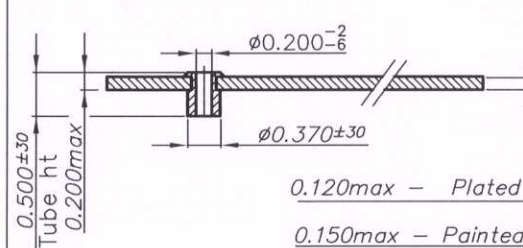
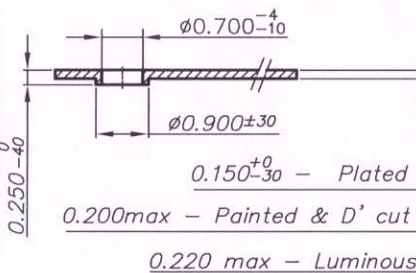
Calibre	A	B	C	D*
7228 (STD)	0.800	1.200	1.570	0.400
7228 (HIGH 1)	1.100	1.500	1.970	*
7228 (HIGH 2)	1.500	1.900	2.270	1.000 max



Hour hand

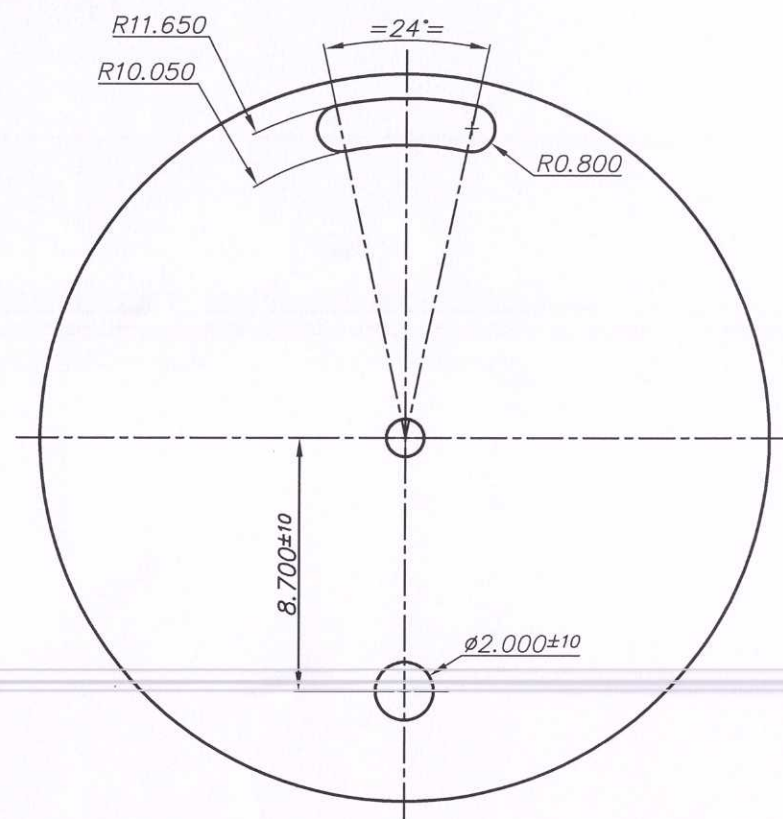
Minute hand

Second hand





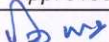
TYPE C



NOTE:—For other details ref. "TYPE A"
—This is for Punjab Script

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					T-2435
Index.	Alterations	Date	Sign		
	Prepared	Checked	Approved		
Name		30/7/20			
Date			31/7/20		

T-2435	h
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Sheet 2 of 2