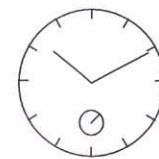
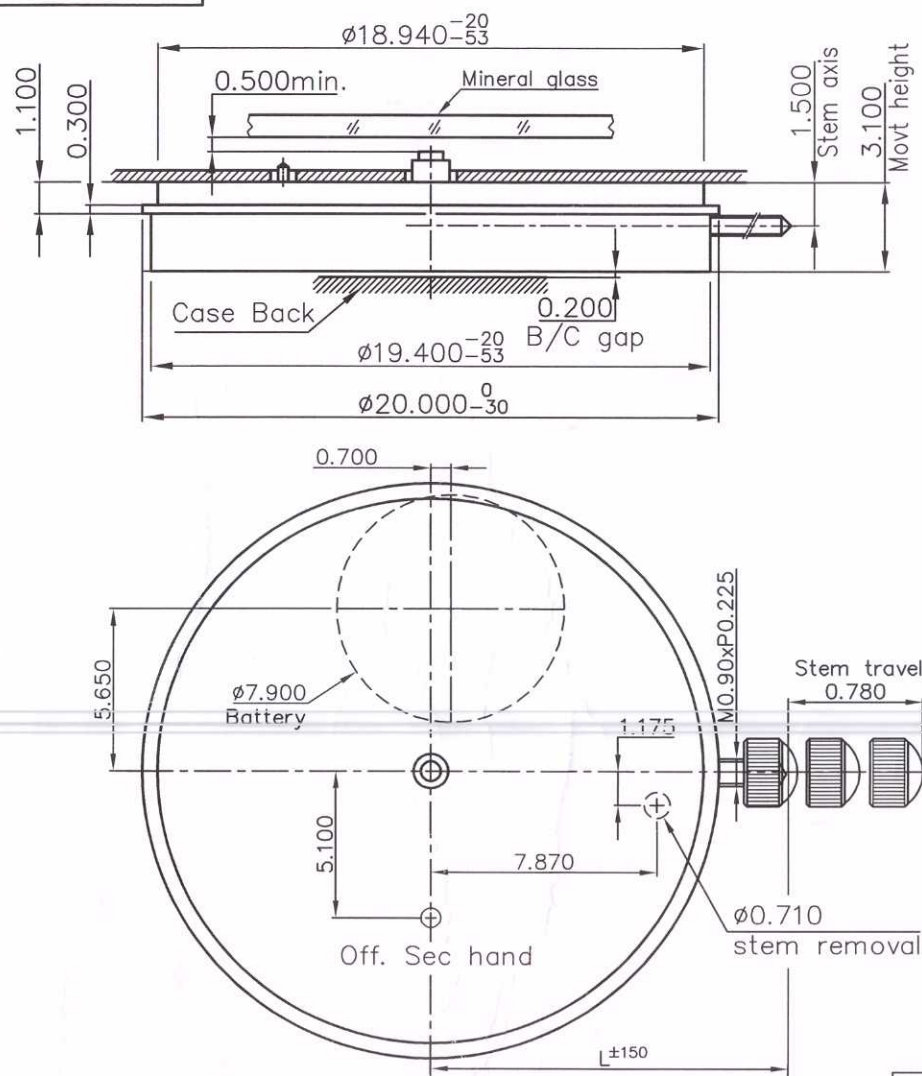




TECHNICAL DATA FOR TIL CAL.70200

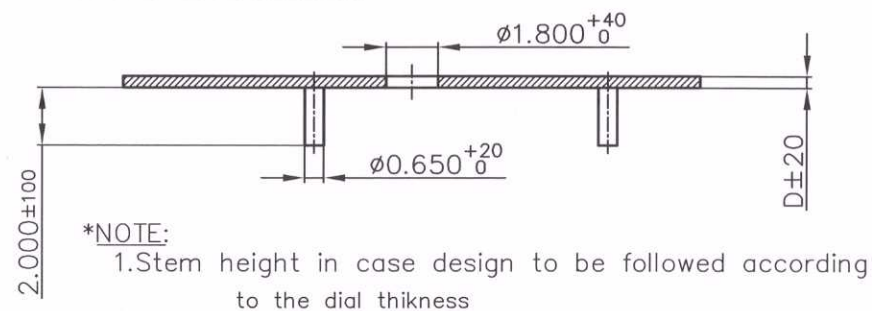


CASING DETAILS



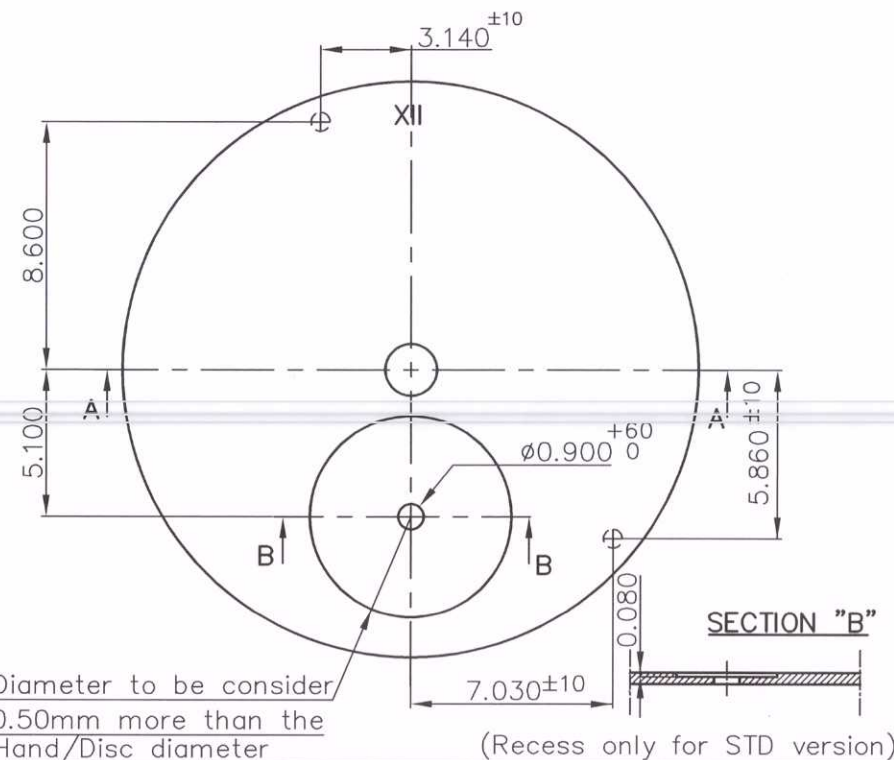
DIAL DETAILS

SECTION "A"



*NOTE:

1. Stem height in case design to be followed according to the dial thickness



Diameter to be consider 0.50mm more than the Hand/Disc diameter

(Recess only for STD version)

Hand details for STD version

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	12.000	2704162
L3	28.150	25.000	12.000	2704173

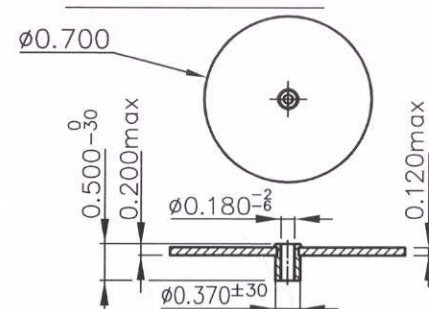
Note:

Second disc Material: polyester

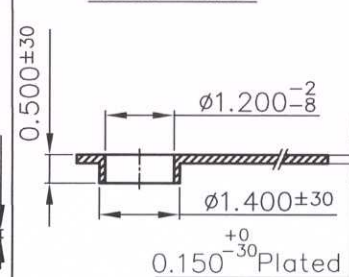
ρ (density) = 1.4 g/cm^3

Moment Of Inertia $\leq 0.039 \mu\text{g-m}^2$

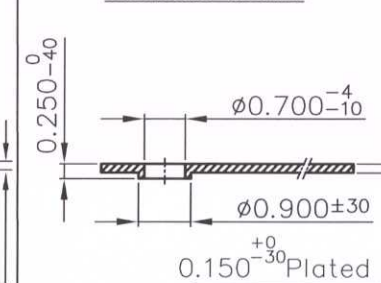
Offset second disc



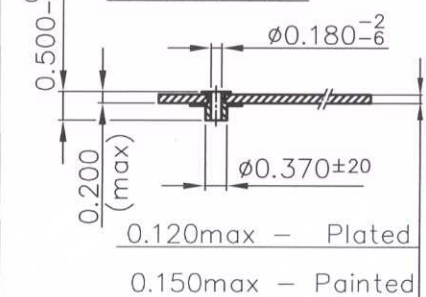
Hour hand



Minute hand

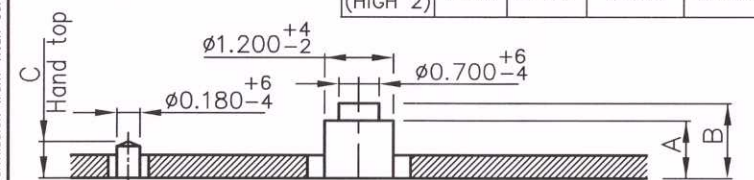


Second hand

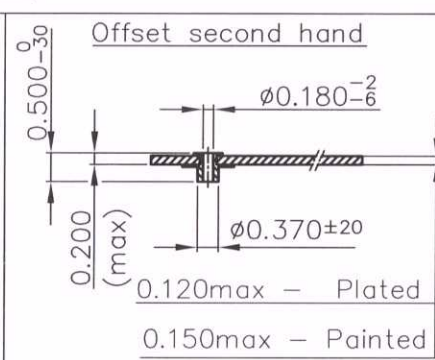
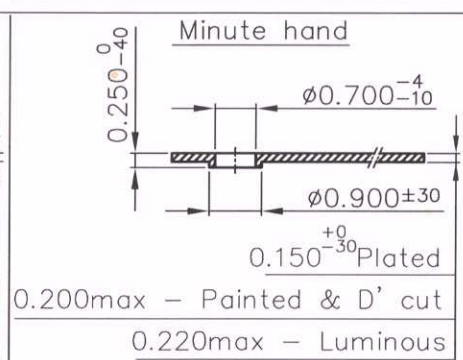
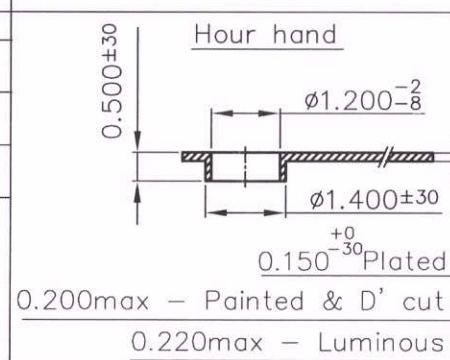


Hand fitting dimensions

Calibre	A	B	C	D
70200 (STD)	1.150	1.450	0.650	0.400
70200 (HIGH 1)	1.300	1.700	0.880	0.550 Max
70200 (HIGH 2)	1.150	1.700	0.650	0.400



Hand details for H1 version



Movement size	8 3/4" ($\phi 19.40 \text{ mm}$)
Functions	2 hands + offset sec. hand (6H)
Thickness	3.10 mm
Stem height	1.50 mm.
No. of jewels	3
Type of IC	C-MOS-LSI
Quartz frequency	32,768 Hz
Accuracy	$\pm 20 \text{ sec/month}$
Pulse rate	1 pulse per second
Coil resistance - $k\Omega$	2.90(Typ)
Current consumption - μA	1.40 (Typ) - 1.90 (max)
Torque at Sec. hand - μNm	3.50 (min) - 4.50 (Typ)
Effective temperature range	0 to $+55^\circ\text{C}$
Shock Resistance	As per NIHS 91/10
Resistance to magnetic field	As per NIHS 90/10
POWER CELL	
Type	SR721SW (seiko)
Size	$\phi 7.9 \times t 2.10 \text{ mm}$
Voltage	1.55 V
Capacity	28 mAh
Life (theoretical)	24 months

DESCRIPTION	MINUTE HAND	SMALL SECOND HAND
Imbalance mg.mm	60	6
Inertia mg.mm ²	500	-
Weight mg (max).	12	-
Length mm (max)	Brass 13 Dural 18	-

Notes :

1) All dimensions are in mm.

2) Tolerances are in μm .

3) Clearance MG to MH top increased 0.500, should consider from new case designs

h)	Hands details updated	27.4.18	SK
g)	High version 2 added for better hands clearance	2.6.14	Sk
f)	Hands description details updated	20.5.13	velu
e)	High version added	13.2.13	jay
d)	Long stem 25.00mm(28.15) added	29.9.09	jay
Index	Alterations	Date	Sign

Name	Prepared	Checked	Approved
Date	27/4/18	27/4/18	27/4/18