

Cal. PC21AE

ϕ 18.50 mm

H 3.15 mm

Item	Version No.
Specification	Version 1
Appearance	Version 1
Casing	Version 1
Hand Fitting	Version 1
Hand Setting Stem	Version 1
Dial - 1	Version 1
Casing Ring	Version 1
Assembly Plan	Version 1
Hands	Version 1



MOVEMENT SPECIFICATIONS

CAL.PC21AE 6 3/4 X 8 Ligne Quartz / Three Hands [High hand movement]

1. MOVEMENT DIMENSIONS

- Outside diameter ϕ 18.20mm (12H~6H) x 14.11mm (3H~9H), ϕ 18.50mm
- Casing diameter ϕ 17.80mm , ϕ 18.10mm
- Total height 3.15 mm (including the battery)

2. TIME STANDARD

- Type of quartz oscillator Tuning fork
- Frequency of quartz oscillator 32,768 H Z
- Accuracy Monthly rate: Less than 30 seconds per month at normal temperature range
- Regulation device Nil
- Regulation hands unbalance Second : Less than 0.07 μ N·m (7mg·mm)
Minute : Less than 0.30 μ N·m (30mg·mm)
Hour : Less than 0.30 μ N·m (30mg·mm)

3. BATTERY

- Type Silver oxide battery
- Size ϕ 6.8 x t 2.6 (mm)
- Battery life Approx. 2 years
- Recommended battery SR626W (SONY)
SR626SW (SEIZAIKEN)

4. STEPPING MOTOR

- Type Two pole stepping motor
- Step 180° every second

5. JEWEL

0 jewel

6. ANTIMAGNETISM

(direct current magnetic field)

\geq 1600 A / m

7. SHOCK RESISTANCE

On equal level with general quartz movement

8. OPERATING TEMPERATURE RANGE

From - 5°C to + 50°C

9. SETTING MECHANISM

- Crown at normal position Free
- Crown pulled out to 1st click Time setting, second setting and reset switch

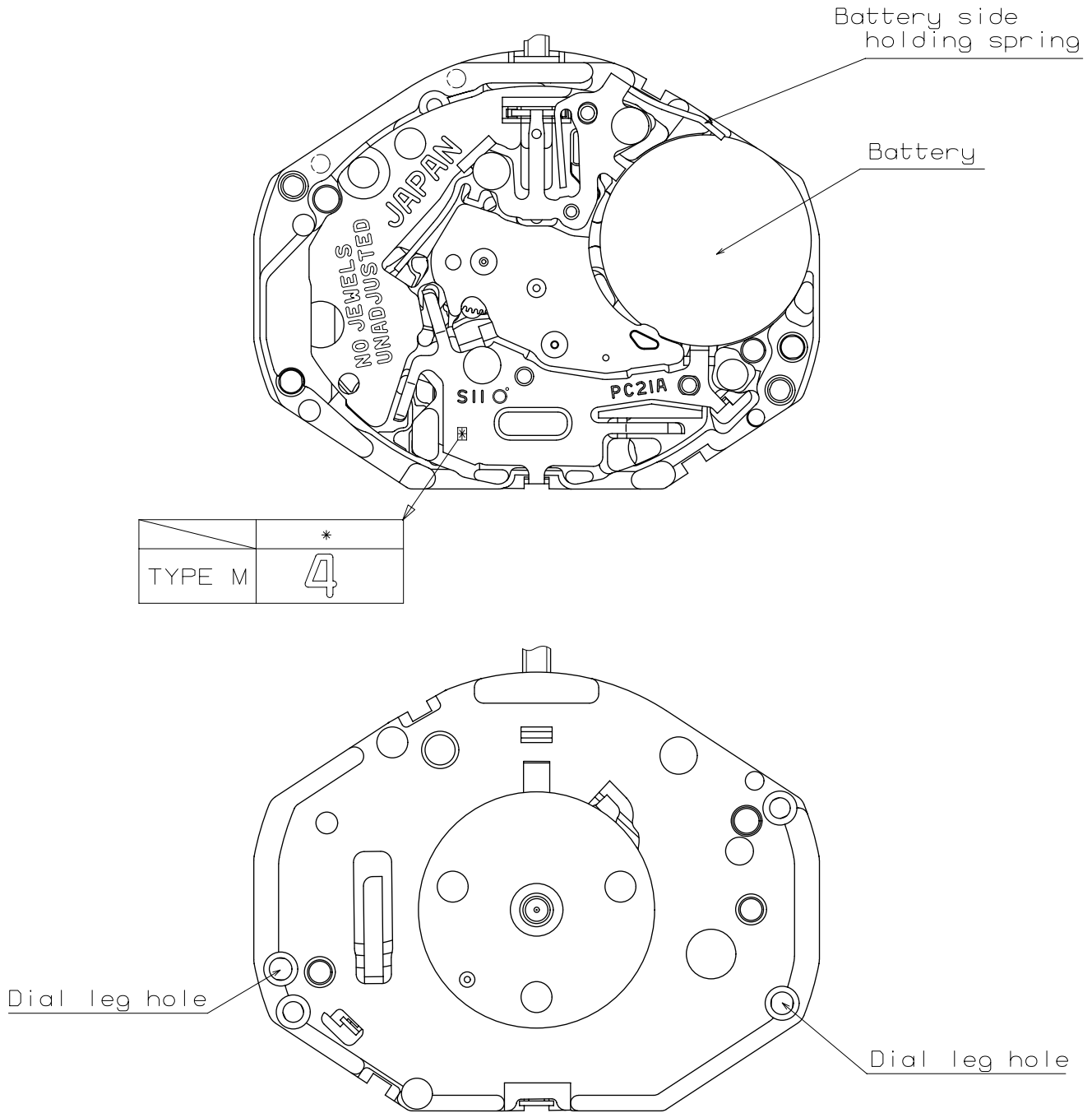
10. TEST OF ACCURACY

- Equipment to be used Quartz Tester QT - 99
Greiner Quartz Timer - C
Witschi Q-Tester 4000
- Duration of measurement 10 seconds
- Microphone to be used Electromagnetic detection type (DM-1)

*** All specifications are subject to change without notice.**

SII Products

Version: 1

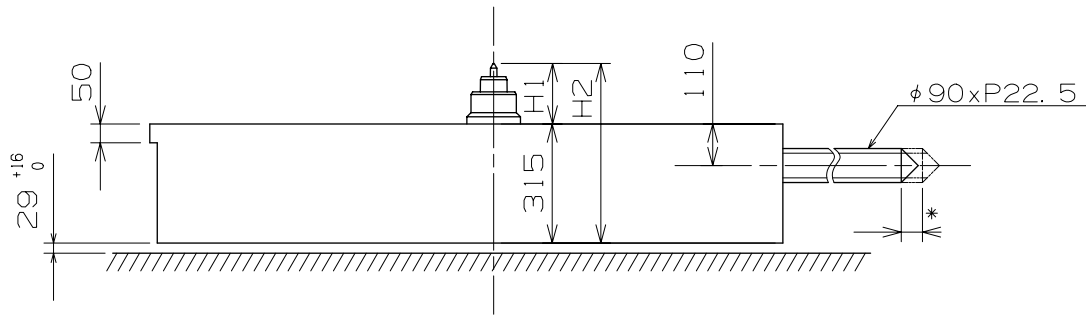


Scale : 5/1
Unit : 1=1/100mm

Version:1

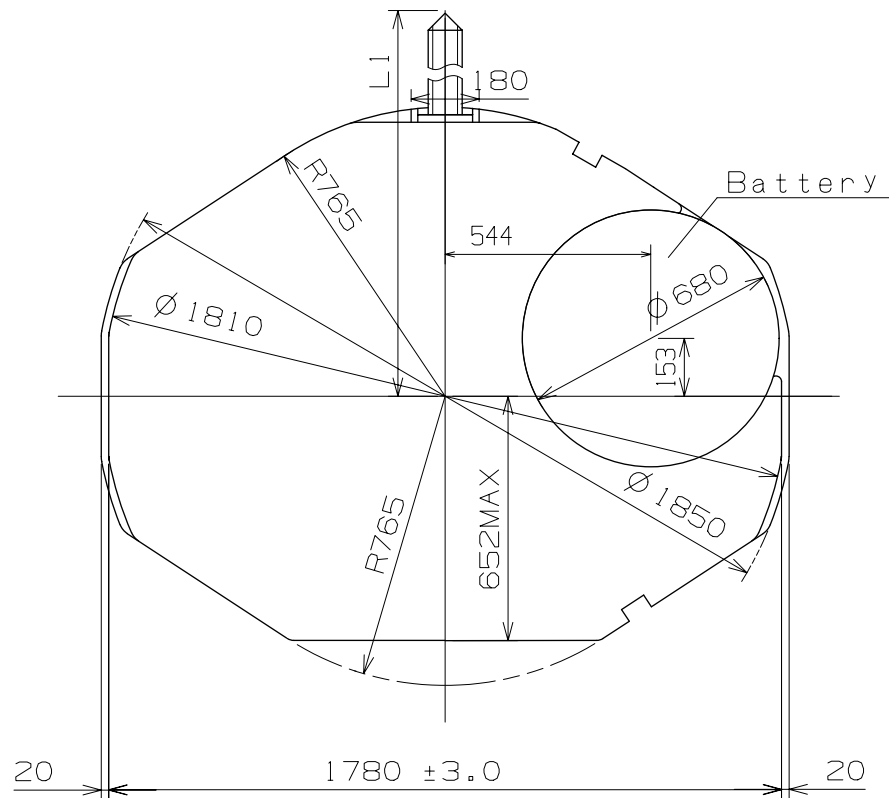
Battery Side Holding Spring Type

* pull out stroke:56



Center post 中心柱位		TYPE M
Maximum height from main plate surface	H1	200
Total height incl. movement	H2	515

Hand Setting Stem	TYPE A	TYPE B
L1	2012	2472

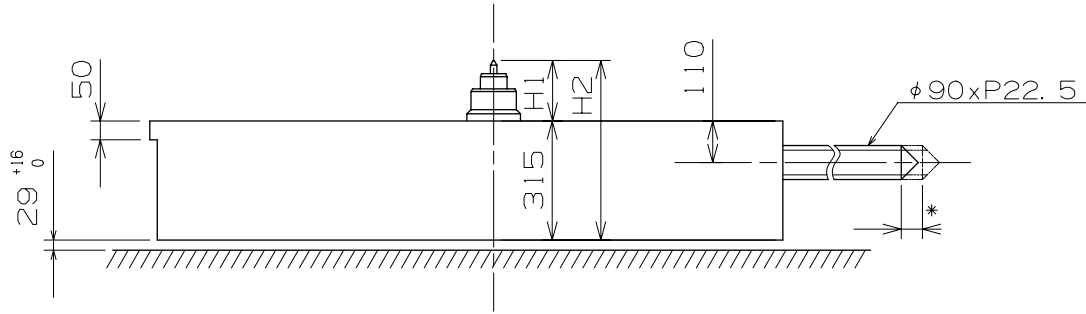


Scale : 5/1
Unit : 1=1/100mm

Version:1

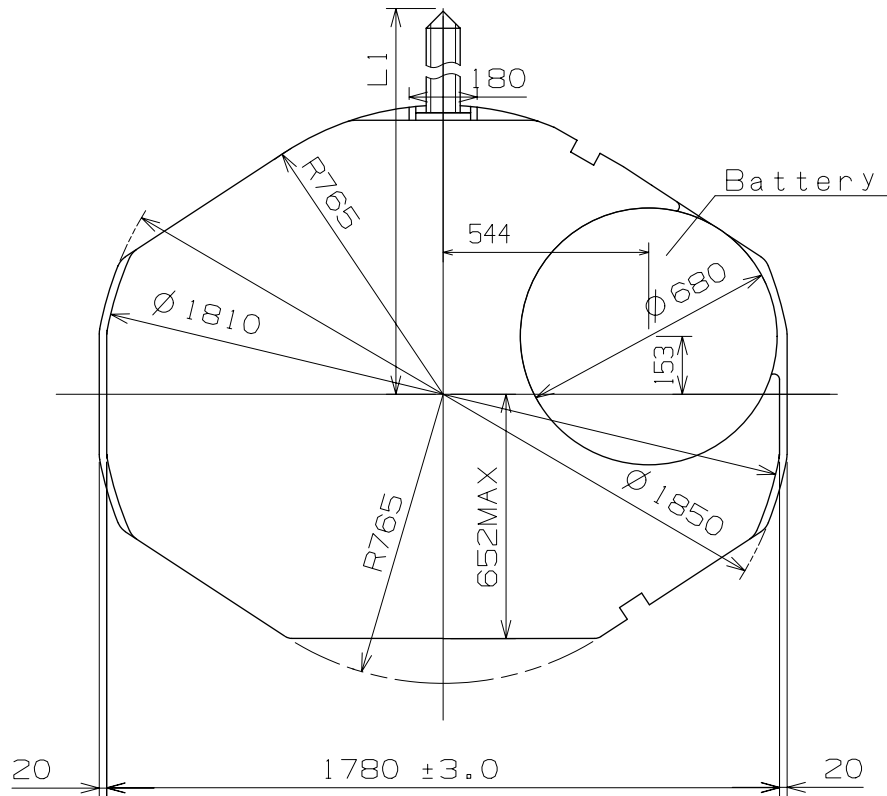
Battery Side Holding Spring Type

* pull out stroke:56



Center post 中心柱位		TYPE M 一般針高
Maximum height from main plate surface. 與機芯平面之最大高度	H1	200
Total height incl. movement. 機芯總高度	H2	515

Hand Setting Stem	TYPE A	TYPE B
L1	2012	2472



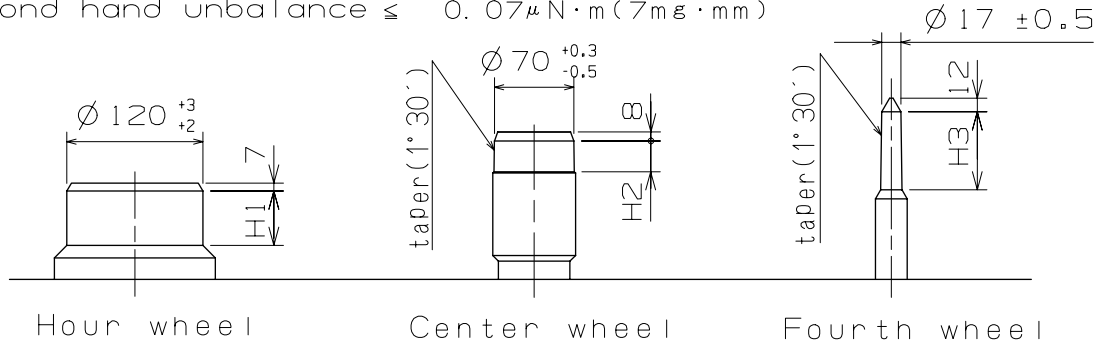
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Unit : 1=1/100mm

Version:1

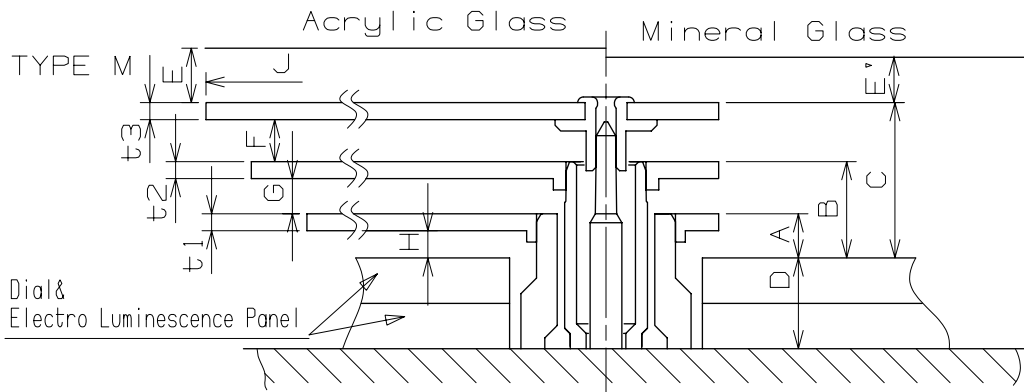
Hand Fitting

Cal. PC21AE

Hour hand unbalance $\leq 0.3 \mu\text{N}\cdot\text{m}$ (30mg·mm)
 Minute hand unbalance $\leq 0.3 \mu\text{N}\cdot\text{m}$ (30mg·mm)
 Second hand unbalance $\leq 0.07 \mu\text{N}\cdot\text{m}$ (7mg·mm)



	Part. No.			Dimension		
	Hour wheel	Center wheel	Fourth wheel	H1	H2	H3
TYPE M	0273 0130	0221 3840	0241 2060	50	27	69



	A	B	C	D	E	E'	F	G	H	t1	t2	t3
TYPE M	39	85	137	80	*	*	37	31	24	15	15	15

*	J		
	Max	800	800~850
E'	Min 40	Min 45	Min 65
E	Min 48	Min 53	Min 73

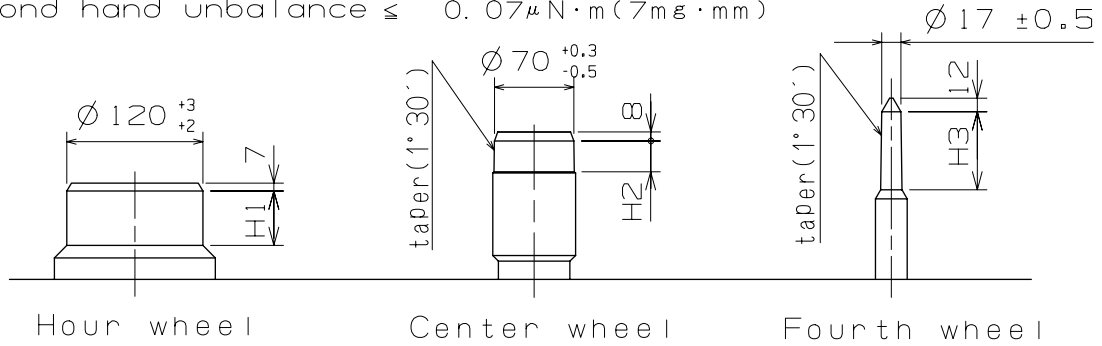
Scale : 15/1
 Unit : 1=1/100mm

Version:1

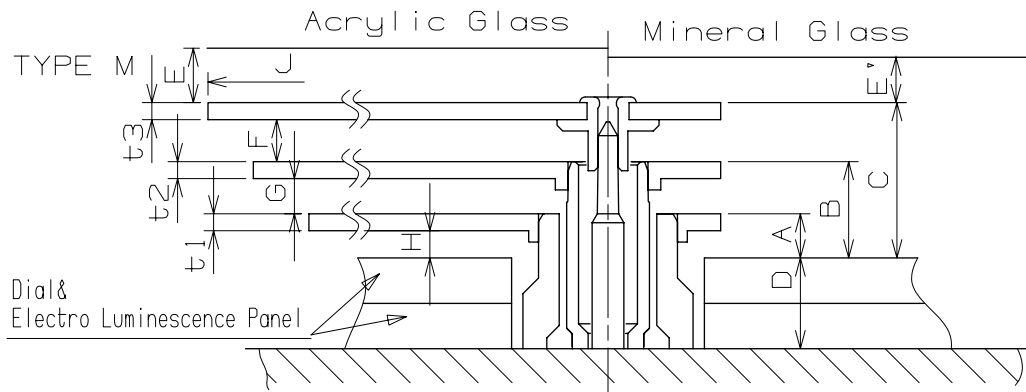
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	Part. No.			Dimension		
	Hour wheel 時針輪	Center wheel 分針輪	Fourth wheel 秒針輪	H1	H2	H3
TYPE M 一般針高	0273 0130	0221 3840	0241 2060	50	27	69

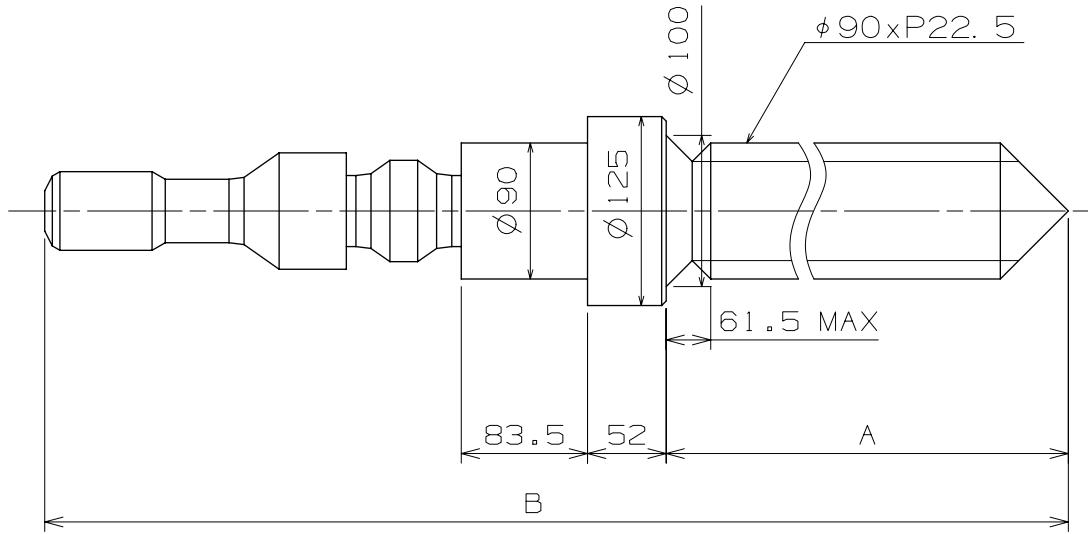


	A	B	C	D	E	E'	F	G	H	t1	t2	t3
TYPE M 一般針高	39	85	137	80	*	*	37	31	24	15	15	15

*	J		
	Max	800	800~850
E'	Min 40	Min 45	Min 65
E	Min 48	Min 53	Min 73

Scale : 15/1
 Unit : 1=1/100mm

Version:1

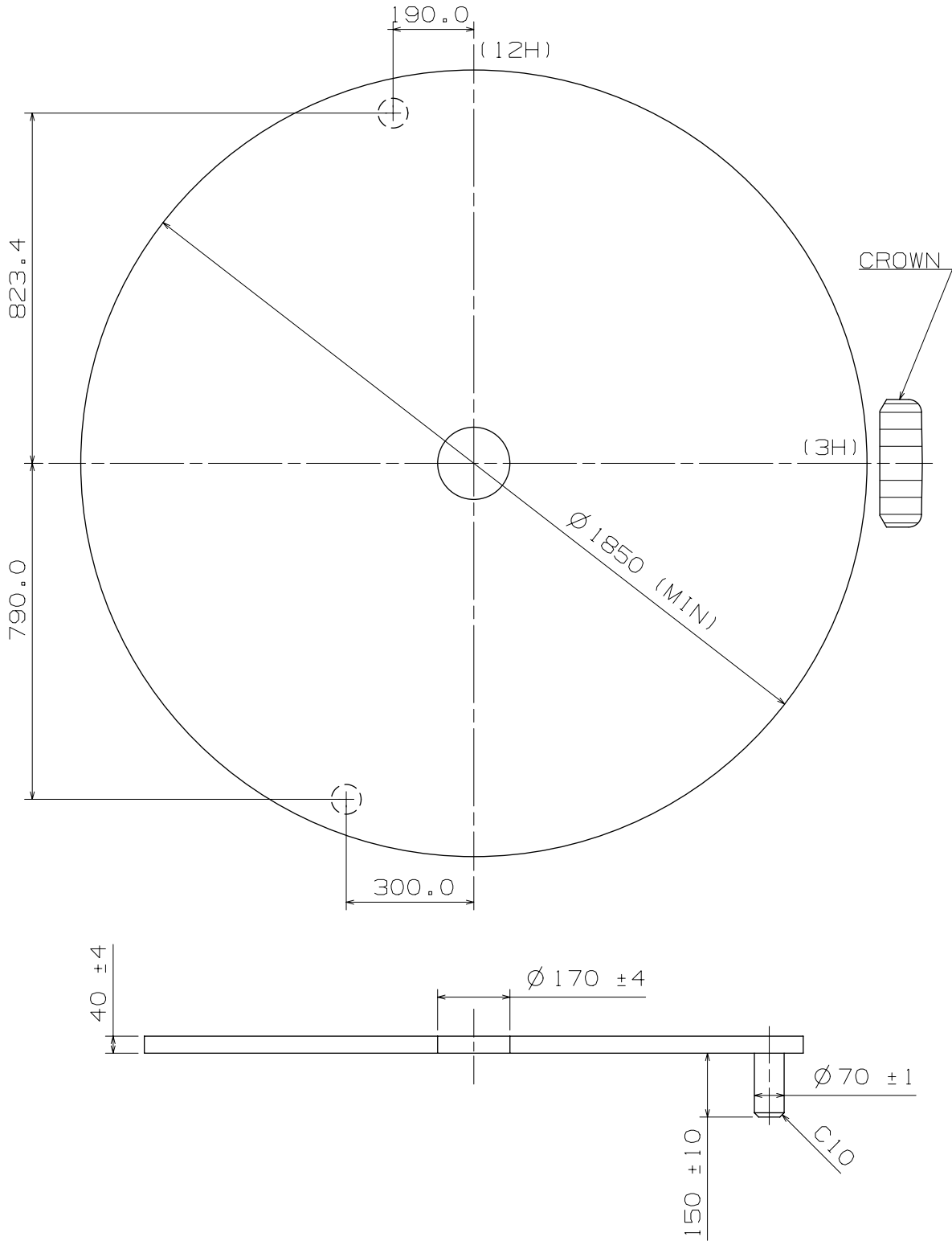


	Part. No.	A	B
TYPE A	0354 1220	1303	1714
TYPE B	0354 1270	1763	2174

Do not lubricate the hand setting stem.

Scale : 20/1
Unit : 1=1/100mm

Version:1

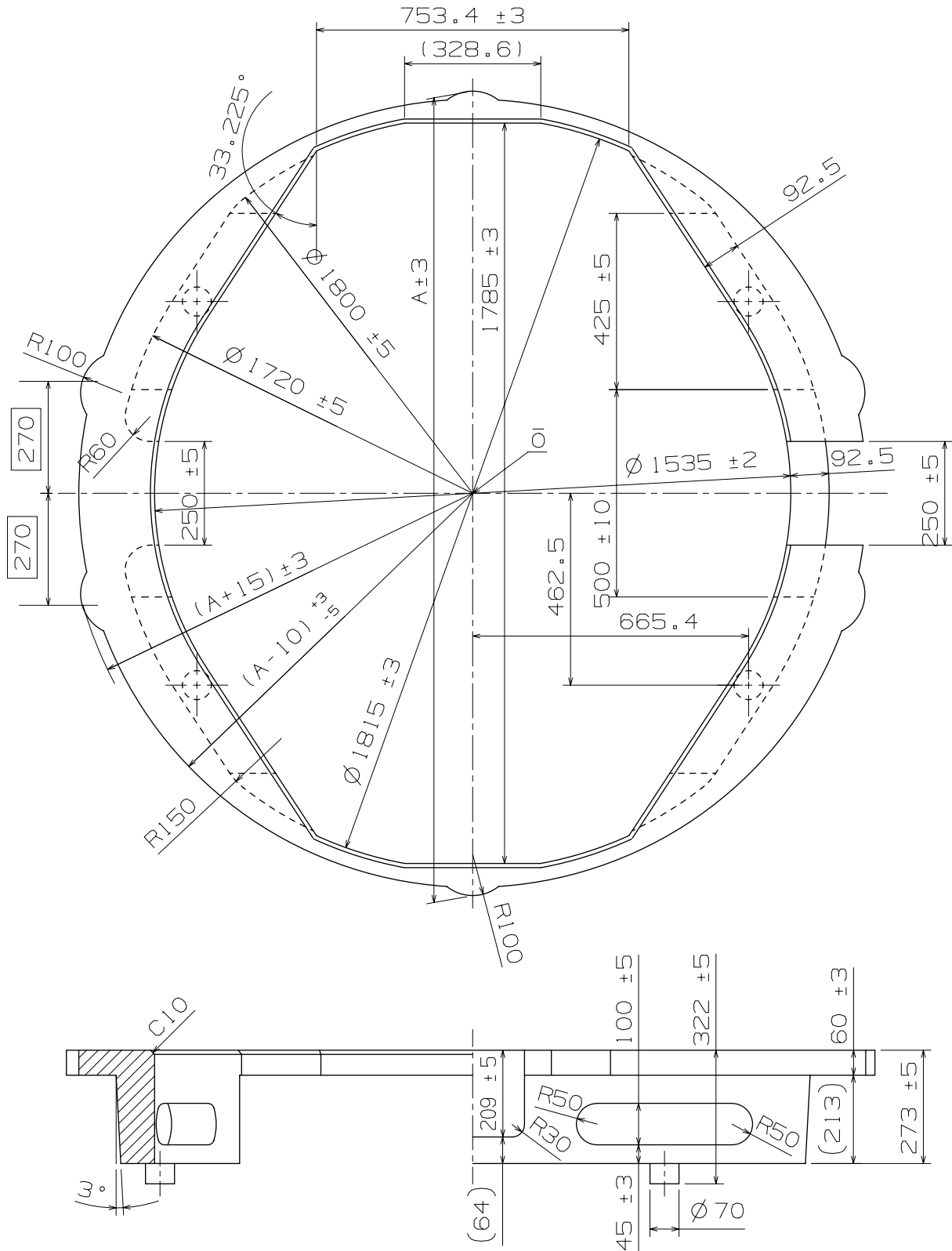


Scale : 7/1
Unit : 1=1/100

Version:1

Casing Ring

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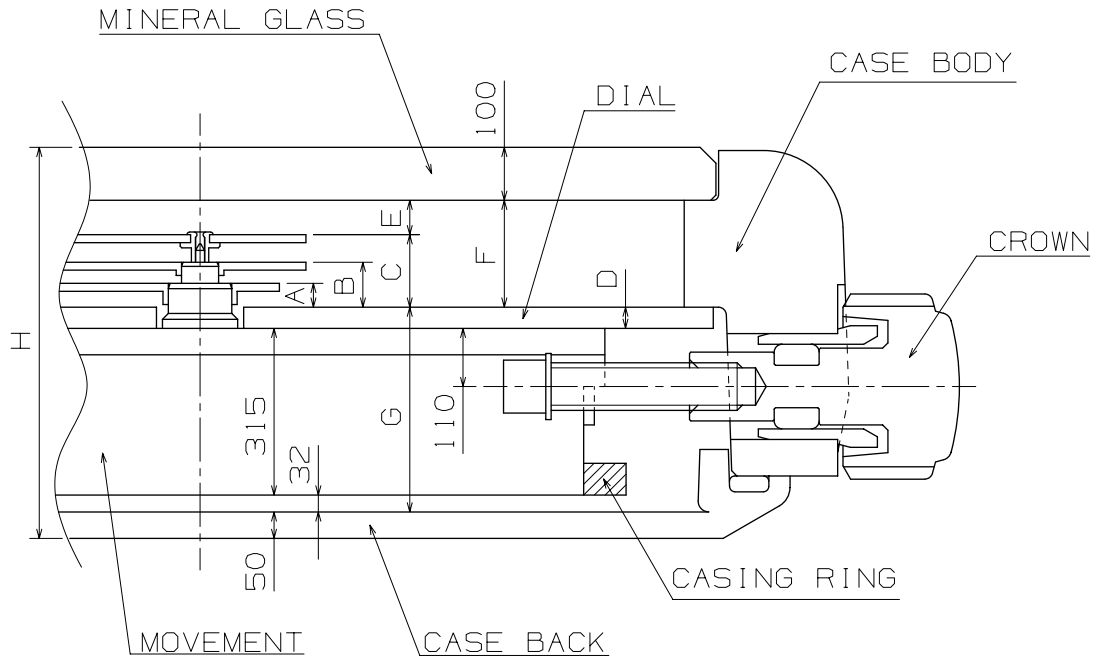


Scale : 7/1
Unit : 1=1/100

Version:1

Assembly Plan

Cal. PC21AE



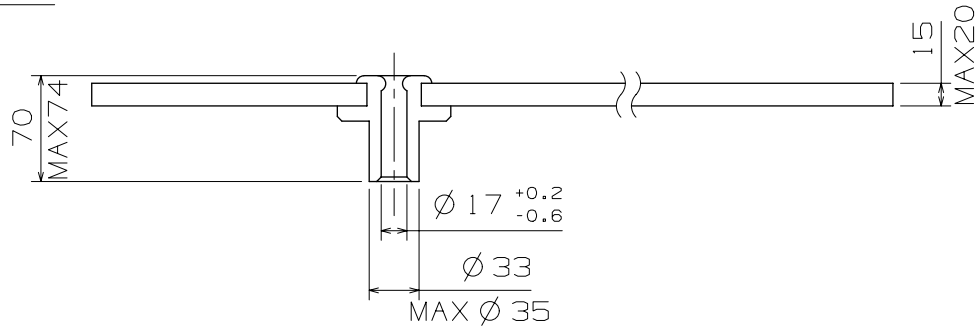
	A	B	C	D	E	F	G	H
TYPE M	39	85	137	80	65	202	427	779

Scale : \neq

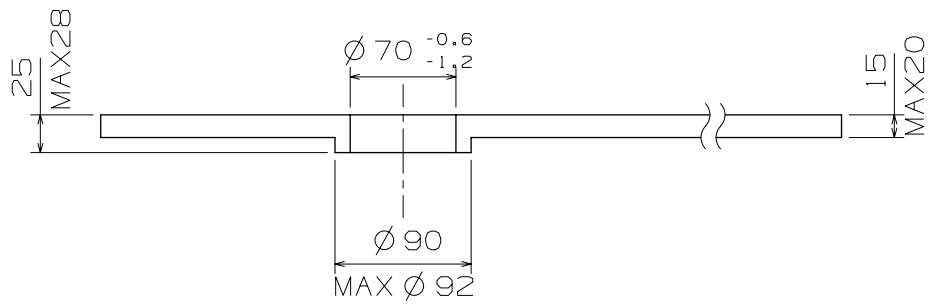
Unit : 1=1/100

Version:1

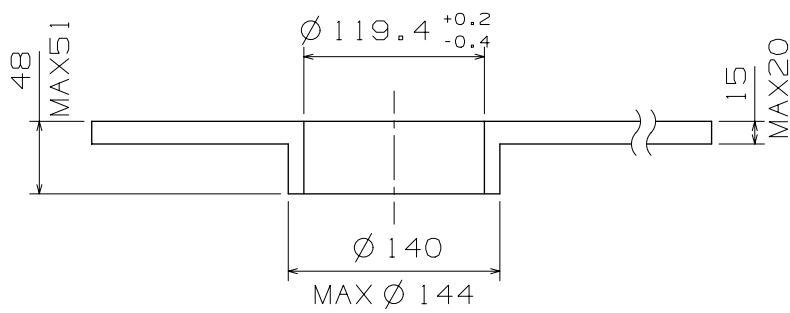
SECOND



MINUTE



HOUR



Scale : 20/1

Unit : 1=1/100

Version:1