

## Watch Movement Specification and Drawing

Standard Mechanical Movement

# NH38A



Movement Size: **12"**

Diameter: **Φ27.40mm** (Φ29.36mm with Dial Holding Spacer)

Height: **5.32mm**

| Items             | Ver. | Items | Ver. |
|-------------------|------|-------|------|
| Specification     | 1    |       |      |
| Appearance - 1    | 1    |       |      |
| Appearance - 2    | 1    |       |      |
| Casing            | 1    |       |      |
| Hand Fitting      | 1    |       |      |
| Hand Setting Stem | 1    |       |      |
| Dial              | 1    |       |      |
| Assembly Plan     | 1    |       |      |
| Hands             | 1    |       |      |
|                   |      |       |      |
|                   |      |       |      |
|                   |      |       |      |
|                   |      |       |      |

## CAL.NH38A 12 Ligne Mechanical Movement

### Three Hands

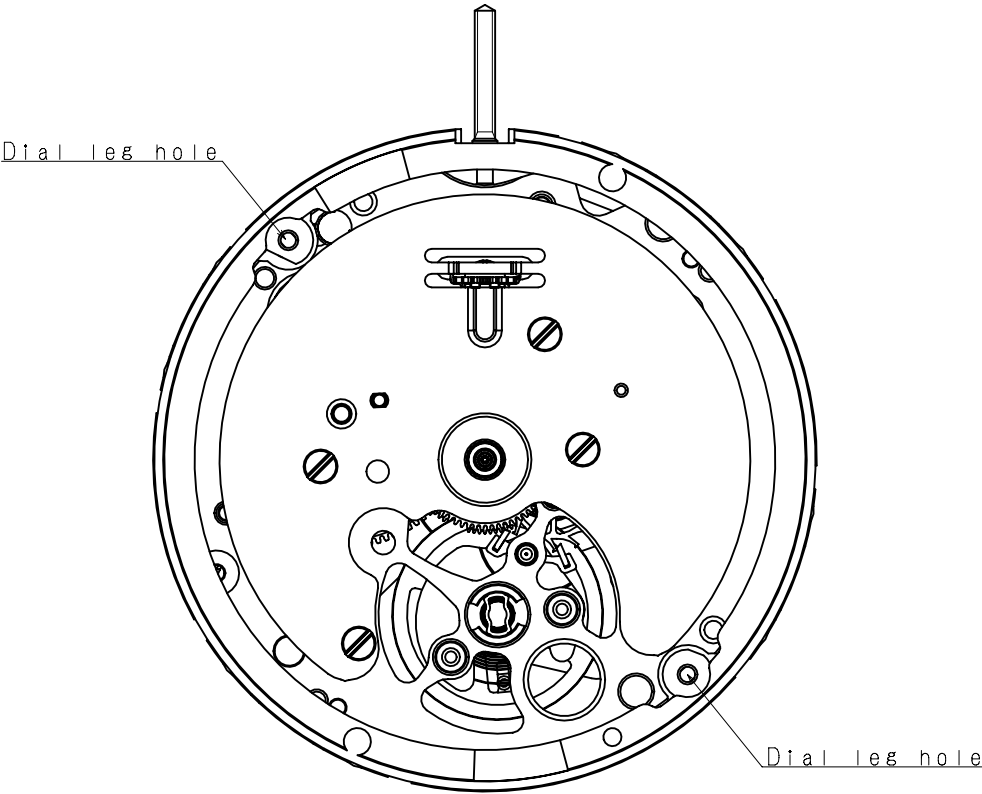
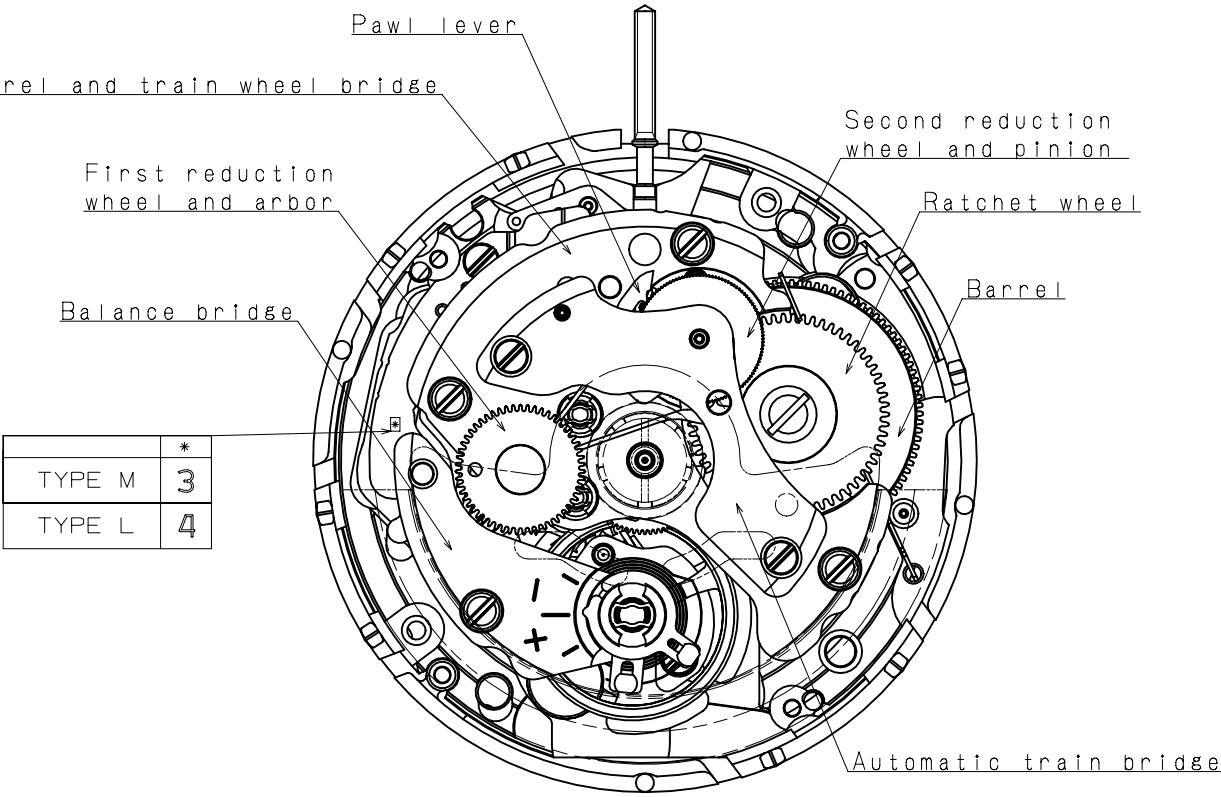
#### 1. FUNCTION

- |                              |                                                                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · Jewel                      | 24 jewels                                                                                                                                                                                                            |
| · Accuracy                   | -20 ~ +40 seconds / day ( $23 \pm 2$ °C )                                                                                                                                                                            |
| · Regulation hands unbalance | Hour hand : Less than $1.50 \mu\text{N}\cdot\text{m}$ ( 150 mg·mm )<br>Minute hand : Less than $1.25 \mu\text{N}\cdot\text{m}$ ( 125 mg·mm )<br>Second hand : Less than $0.60 \mu\text{N}\cdot\text{m}$ ( 60 mg·mm ) |
| · Additional function        | Manual winding<br>Automatic winding with ball bearing<br>Both winding with one way clutch<br>Second hand stop mechanism                                                                                              |

#### 2. USE AND TEST CONDITION

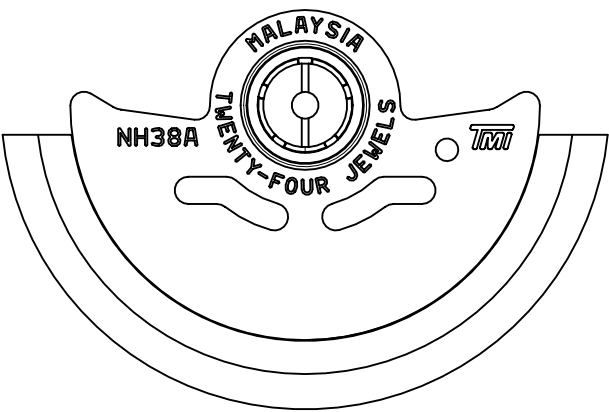
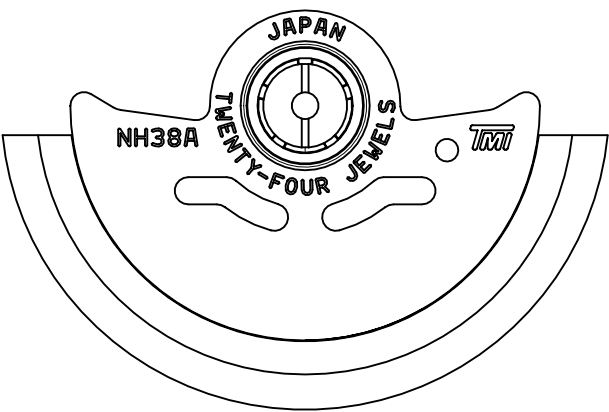
- |                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| · Vibration frequency | 21,600 vibrations per hour                                                       |
| · Duration time       | More than 41 hours                                                               |
| · Antimagnetic        | $\geq 4800 \text{ A / m}$ (Direct current magnetic field)                        |
| · Test of accuracy    | 20 seconds (Duration of measurement)                                             |
| · Casing              | *1. Screw type case back is required<br>*2. Non-corresponding with Diver's watch |

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

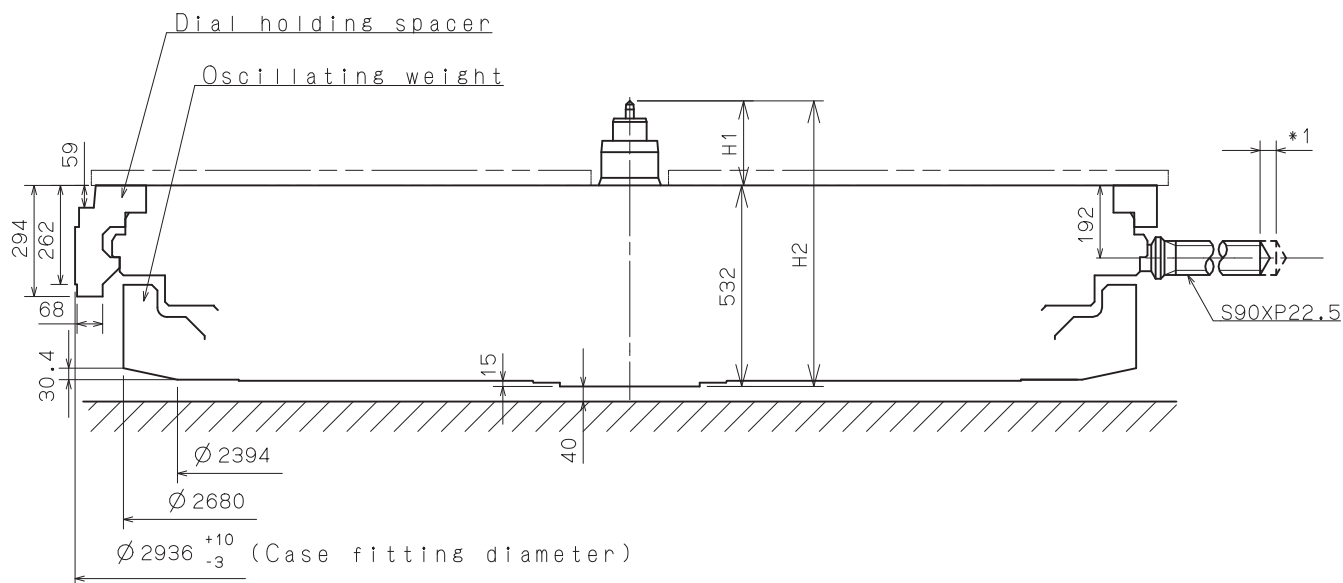


Oscillating weight

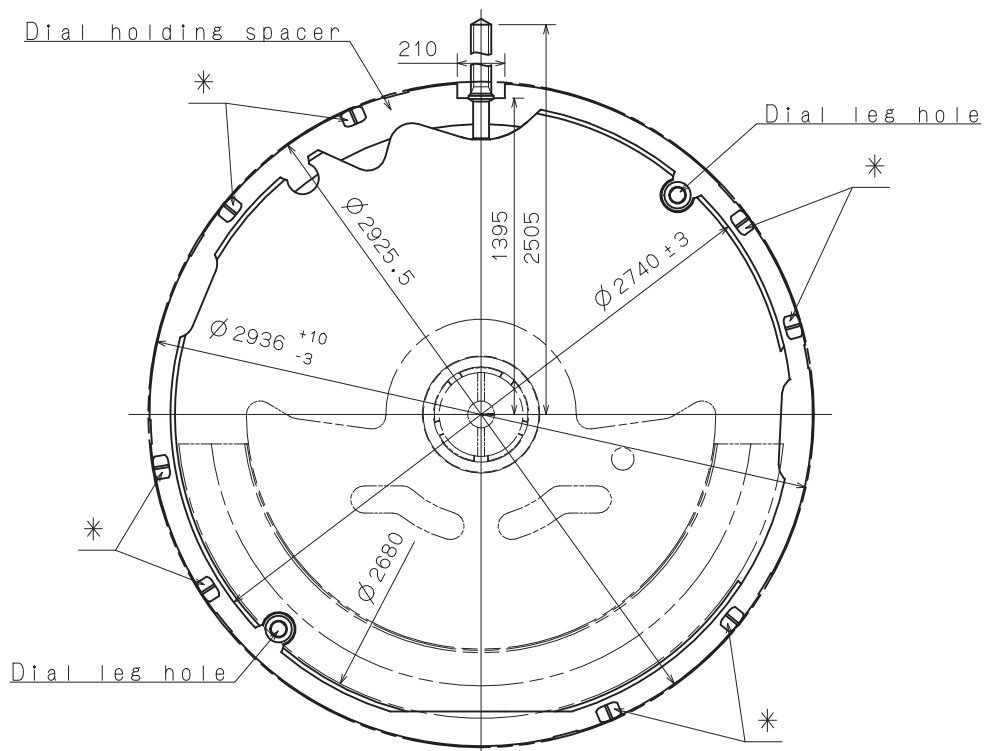
| Marking  | Country of origin |
|----------|-------------------|
| JAPAN    | JAPAN             |
| MALAYSIA | MALAYSIA          |



\*1. Pull out stroke 42.7

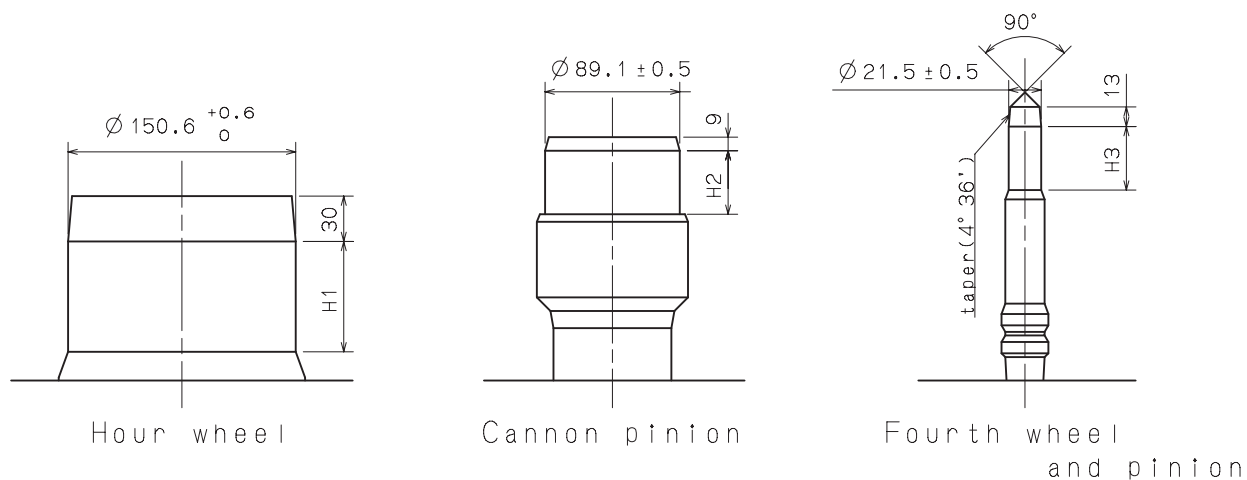


| Center post 中心柱位                                     |    | TYPE M 一般針高 | TYPE L 高針 |
|------------------------------------------------------|----|-------------|-----------|
| Maximum height from main plate surface<br>與機芯平面的最大高度 | H1 | 226.7       | 266.7     |
| Total height incl. movement<br>機芯總高度                 | H2 | 758.7       | 798.7     |

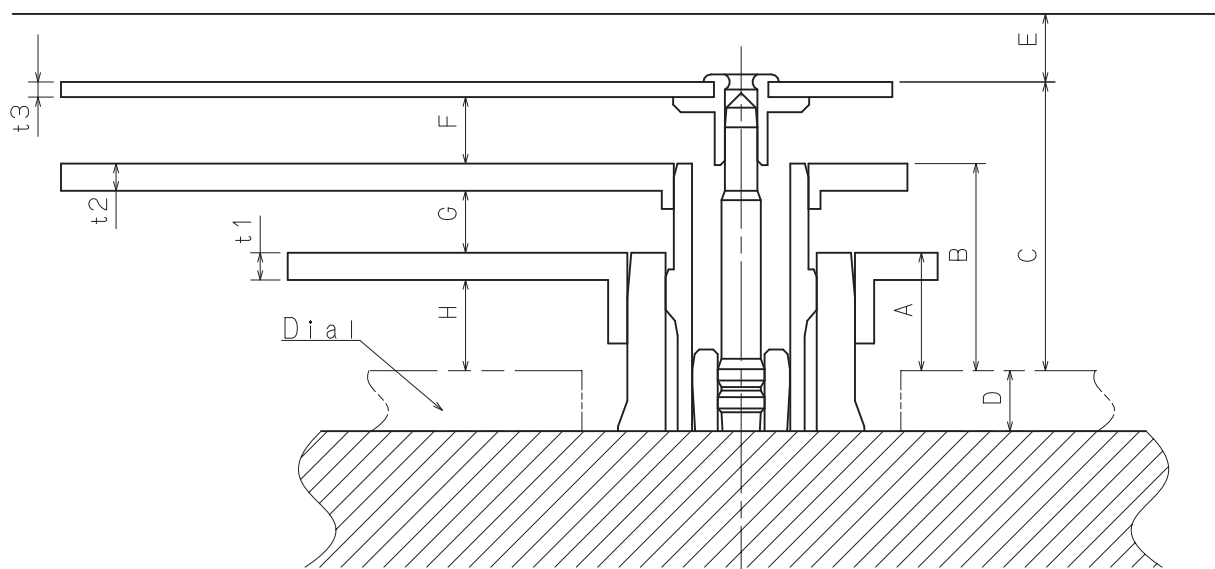


\*Projection to fix movement to case.

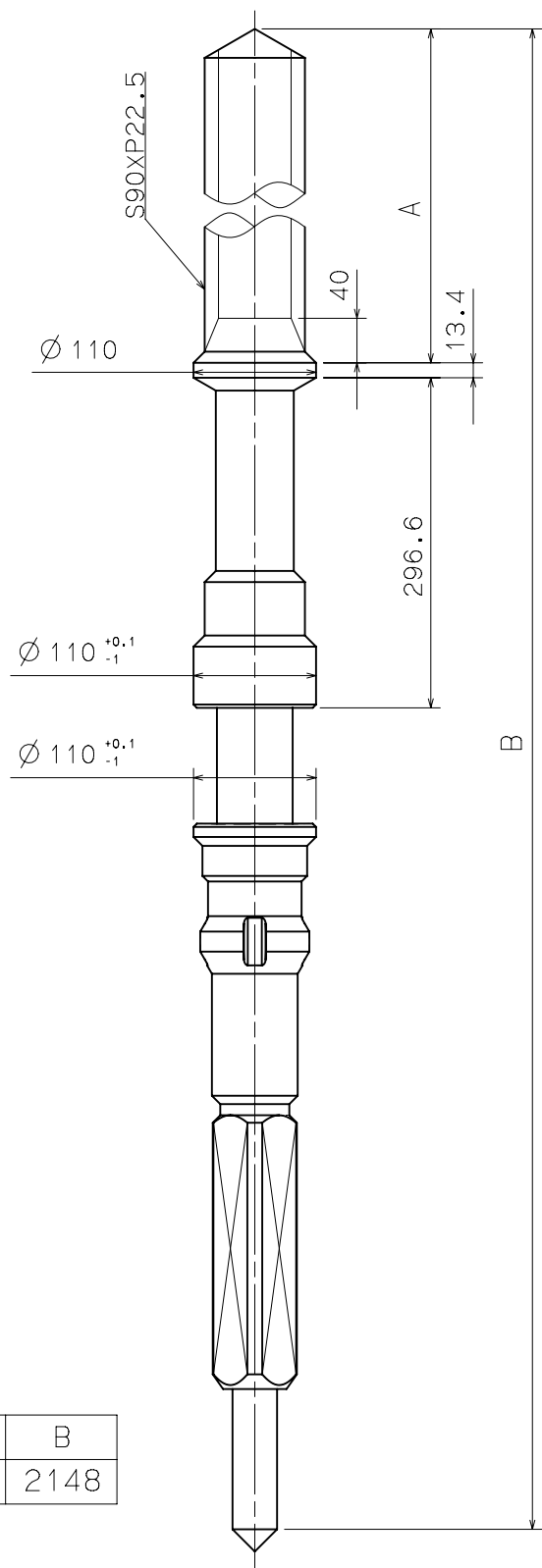
Hour hand unbalance  $\leq 1.50\mu\text{N}\cdot\text{m}$  (150mg·mm)  
 Minute hand unbalance  $\leq 1.25\mu\text{N}\cdot\text{m}$  (125mg·mm)  
 Second hand unbalance  $\leq 0.60\mu\text{N}\cdot\text{m}$  (60mg·mm)



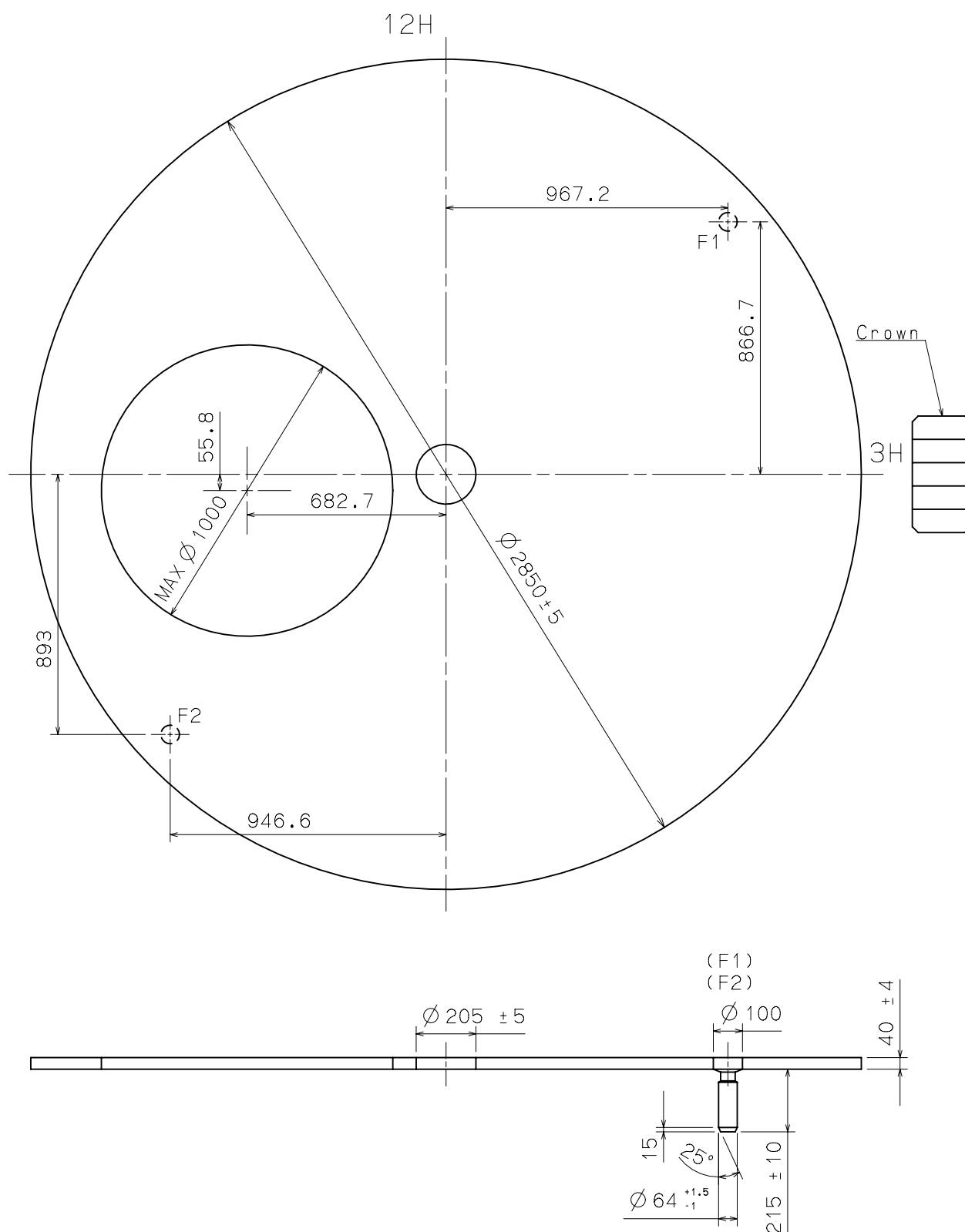
|             | Part No.          |                          |                                | Dimension |    |    |
|-------------|-------------------|--------------------------|--------------------------------|-----------|----|----|
|             | Hour wheel<br>時針輪 | Cannon pinion<br>分針輪(十反) | Fourth wheel and pinion<br>秒針輪 | H1        | H2 | H3 |
| TYPE M 一般針高 | 0273 183          | 0225 425                 | 0144 184                       | 68        | 61 | 42 |
| TYPE L 高針   | 0273 185          | 0225 426                 | 0144 185                       | 108       | 61 | 42 |

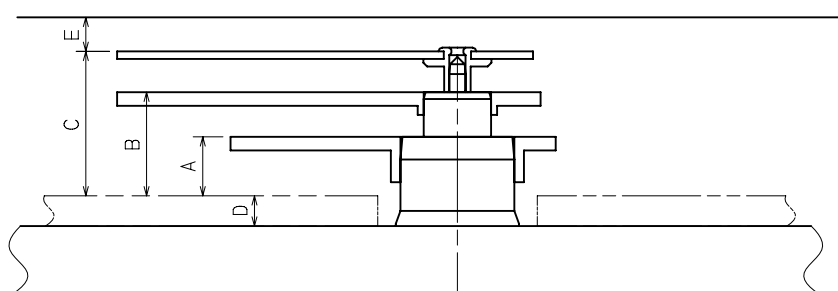
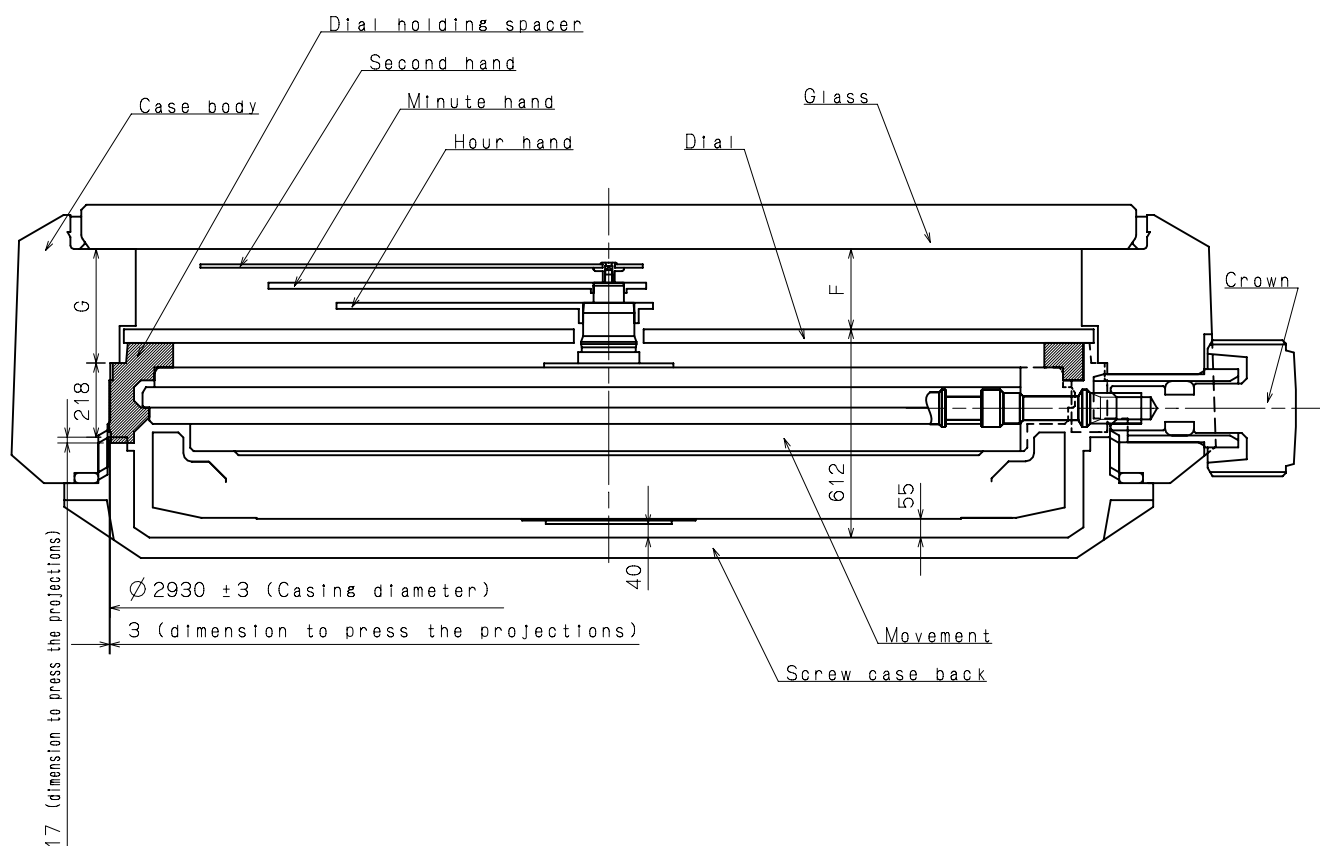


|             | A   | B   | C   | D  | E  | F  | G  | H   | t1 | t2 | t3 |
|-------------|-----|-----|-----|----|----|----|----|-----|----|----|----|
| TYPE M 一般針高 | 78  | 137 | 191 | 40 | 45 | 44 | 41 | 60  | 18 | 18 | 10 |
| TYPE L 高針   | 118 | 177 | 231 | 40 | 45 | 44 | 41 | 100 | 18 | 18 | 10 |



| Part No. | A    | B    |
|----------|------|------|
| 0351 200 | 1100 | 2148 |





|        | A   | B   | C   | D  | E  | F   | G   |
|--------|-----|-----|-----|----|----|-----|-----|
| TYPE M | 78  | 137 | 191 | 40 | 45 | 236 | 335 |
| TYPE L | 118 | 177 | 231 | 40 | 45 | 276 | 375 |

