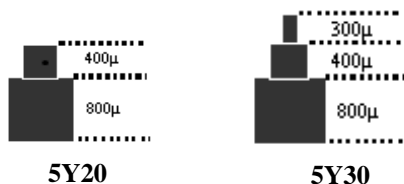


# Cal. 5Y20/5Y30



## 1. Basic Specification

| Calibre         | 5Y20         | 5Y30 |
|-----------------|--------------|------|
| Ligne           | 5 1/2        |      |
| Size            | 13 x 15.15mm |      |
| Total thickness | 2.54mm       |      |
| Hands           | 2            | 3    |
| Battery life    | 4            | 2    |
| Battery         | SR 521SW     |      |

**< Time Standard >**

Type of oscillator : Tuning fork type quartz crystal  
 Oscillation : 32,768Hz  
 Accuracy : ±20 second / month worn under normal circumstances

**< Battery >**

Type of battery : Silver oxide SR521SW or equivalent 5.8Φ x 21

**< Others >**

Driving system : Two-pole stepping motor  
 Jewel : No jewels

**< Balanceable weight of hand >**

Minute hand Max. 0.3 µN.m  
 Second hand Max. 0.0235 µN.m (5Y30)

**< Adjustment of accuracy >**

Digital Frequency control (DFC)  
 No trimmer

## 2. Separated Parts

| Parts Name   | Parts Code |
|--------------|------------|
| Setting stem | 065-403    |

## 3. Remarks

**< Setting stem >**

Setting Stem: 065-403  
 Length of movement center to stem end : 20.0mm  
 Thread : Φ 0.9mm x 12.38mm

**< Measurement of time >**

The unit time of measurement must be set at "10s" or an integer fold value of 10s. Owing to the DFC system. And the measurement must be carried out in state of a complete watch.

**< Marking on movement >**

UNADJUSTED NO JEWELS  
 (CAL NO.)  
 MIYOTA CO., JAPAN

**< Typical clearance >**

Between case and movement  
 Mov't - Caseback minimum 150 µ m or more  
 Top of hands - Glass 300 - 450 µ m\*

\* Depending and subject to the glass and case structure, and hand length.

**These specifications might be changed without prior notice.**

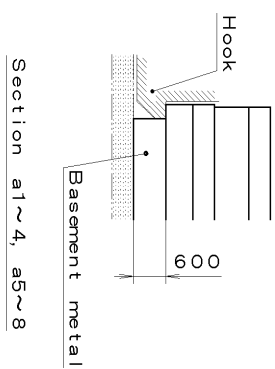
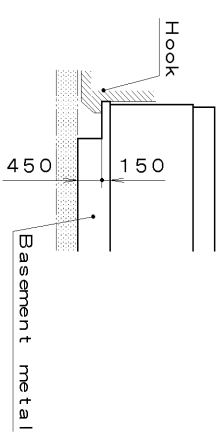
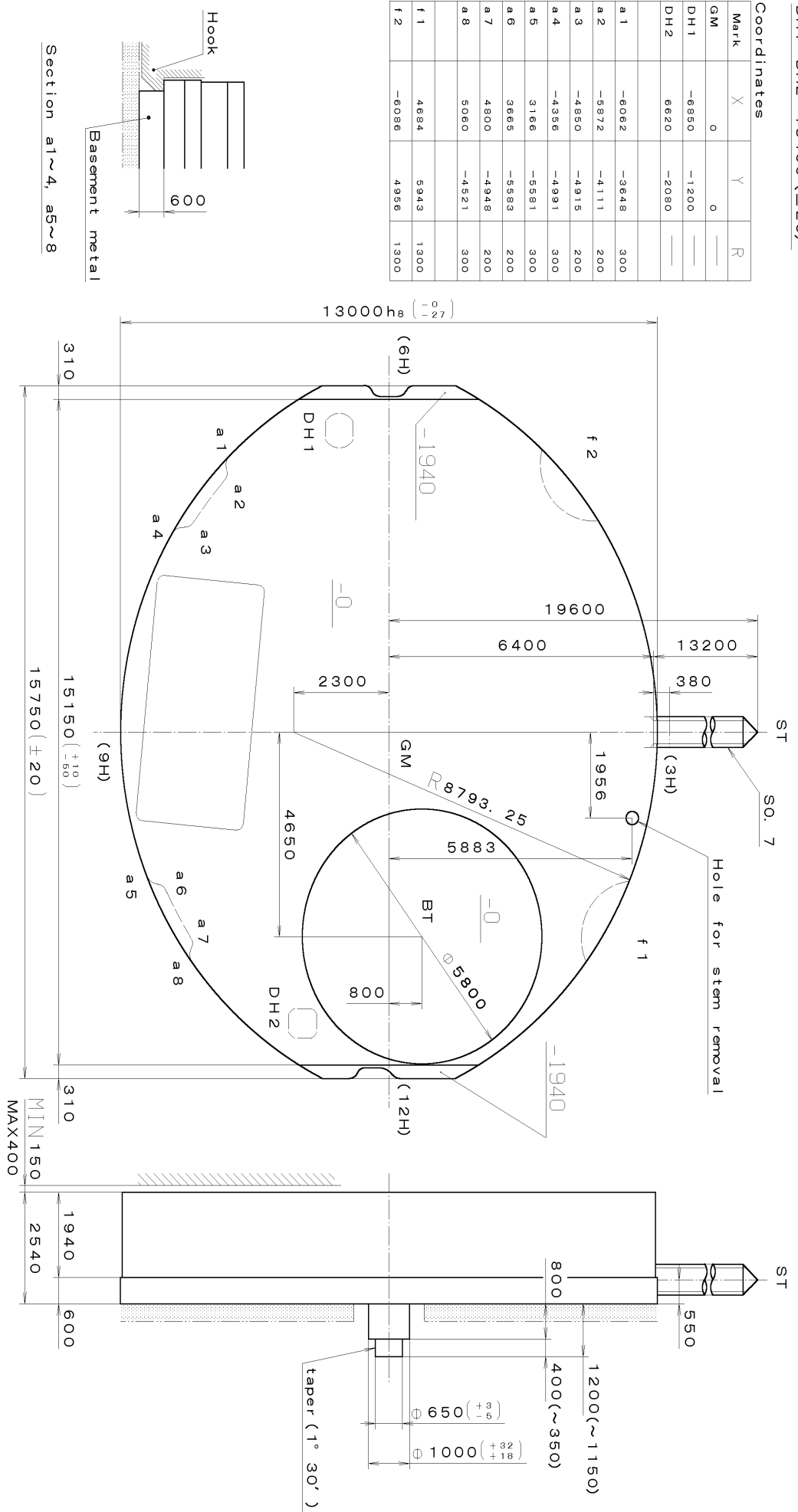
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

\*\*\* TIPW 5Y20 (01) \*\*\* (2100 1121 ) 00-06-26

DH1~DH2=13499 (±20)

Coordinates

| Mark | X     | Y     | R    |
|------|-------|-------|------|
| GM   | 0     | 0     | —    |
| DH1  | -6550 | -1200 | —    |
| DH2  | 6620  | -2080 | —    |
| a1   | -6062 | -3648 | 300  |
| a2   | -5872 | -4111 | 200  |
| a3   | -4850 | -4915 | 200  |
| a4   | -4356 | -4991 | 300  |
| a5   | 3166  | -5581 | 300  |
| a6   | 3665  | -5583 | 200  |
| a7   | 4500  | -4948 | 200  |
| a8   | 5060  | -4521 | 300  |
| f1   | 4684  | 5943  | 1300 |
| f2   | -6086 | 4956  | 1300 |

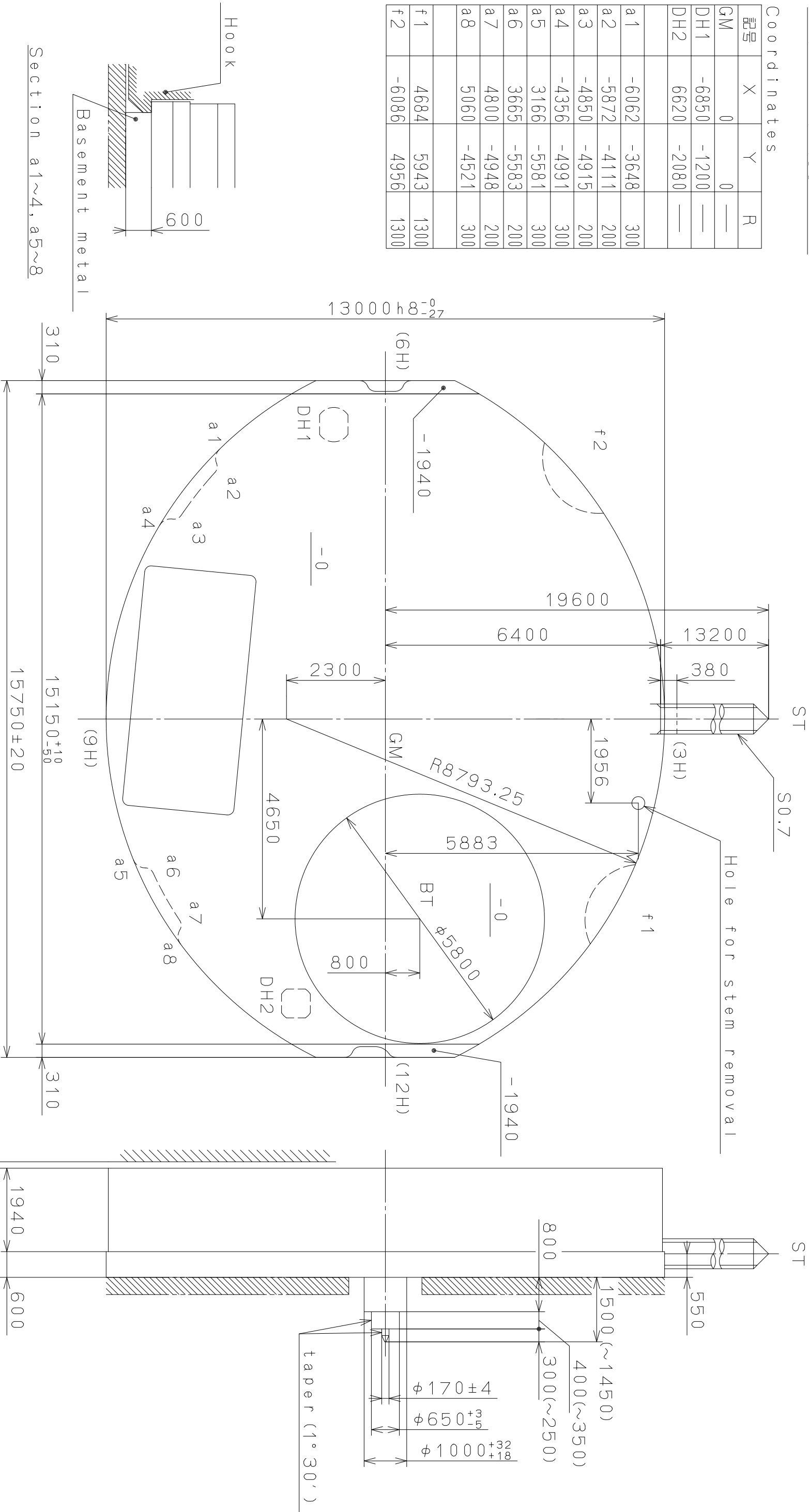


|                |                    |           |                         |
|----------------|--------------------|-----------|-------------------------|
| △              | Quantity           | 1/1000 mm | Cal. No. : 5Y20         |
| △              | Unit               | 11:1      | Parts:                  |
| △              | Scale              |           |                         |
| △              | Date               |           |                         |
| △              | Drawn              | T. Hiruta | Name:                   |
| △              | Checked            |           | Frame for Case          |
| △              | Approved           |           | Drawing No. : 5Y20C0000 |
| Material       |                    |           |                         |
| Heat Treatment |                    |           |                         |
| Hardness       |                    |           |                         |
| Plating        | General Tolerances |           |                         |
|                | Dimensions         |           |                         |
|                | Angles             |           |                         |

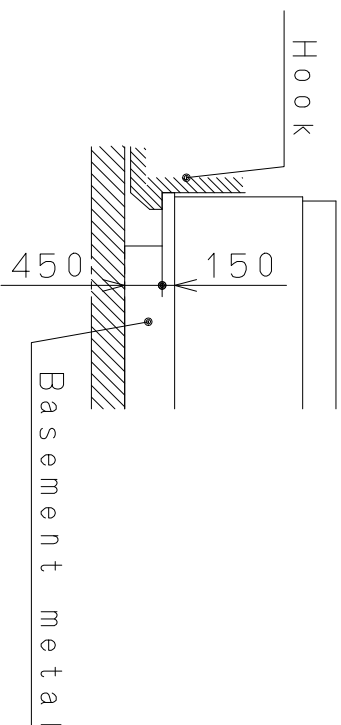
DH1~DH2=13499 (±20)

Coordinates

| 記号  | X     | Y     | R    |
|-----|-------|-------|------|
| GM  | 0     | 0     | —    |
| DH1 | -6850 | -1200 | —    |
| DH2 | 6620  | -2080 | —    |
| a1  | -6062 | -3648 | 300  |
| a2  | -5872 | -4111 | 200  |
| a3  | -4850 | -4915 | 200  |
| a4  | -4356 | -4991 | 300  |
| a5  | 3166  | -5581 | 300  |
| a6  | 3665  | -5583 | 200  |
| a7  | 4800  | -4948 | 200  |
| a8  | 5060  | -4521 | 300  |
| f1  | 4684  | 5943  | 1300 |
| f2  | -6086 | 4956  | 1300 |



Section a1~4, a5~8

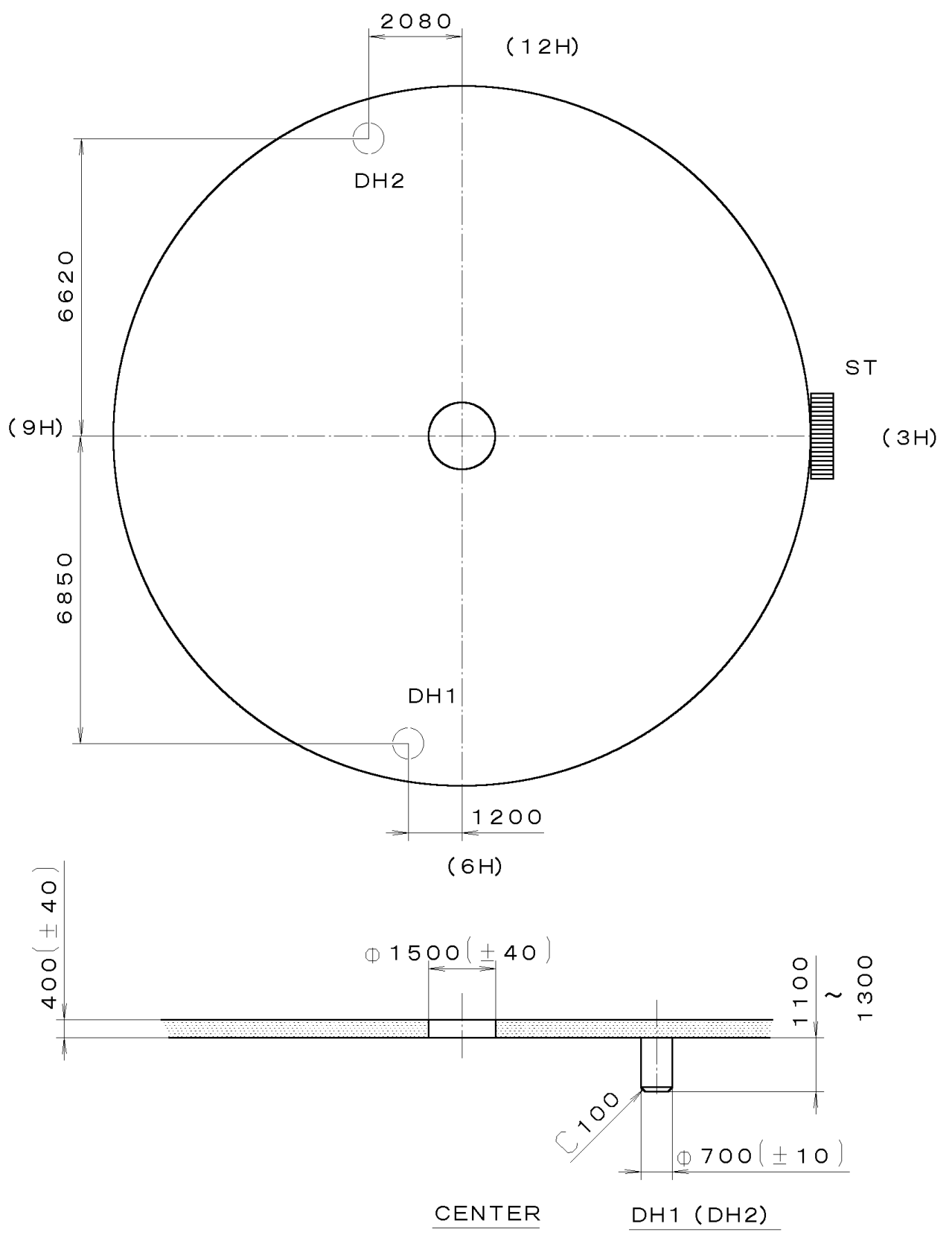


Section f1, f2

|                |           |                                      |                |
|----------------|-----------|--------------------------------------|----------------|
| Quantity       | 1/1000 mm | Cal. NO.:                            | 5Y30           |
| Unit           | 1 : 1     | Parts No.:                           |                |
| Scale          |           | Name:                                | Frame for Case |
| Date           |           | Drawing No.:                         | 5Y30C010       |
| Drawn          |           | Name:                                | N. Suzuki      |
| Checked        |           | Approved                             |                |
| Alterations    |           | General Tolerances                   |                |
| Material       |           | Dimensions                           |                |
| Heat Treatment |           | Angles                               |                |
| Hardness       |           | CITIZEN WATCH CO., LTD. TOKYO, JAPAN |                |
| Plating        |           | <b>MIYOTA</b>                        |                |

This drawing is provisional and subject to our reconfirmation and/or revision without notice.

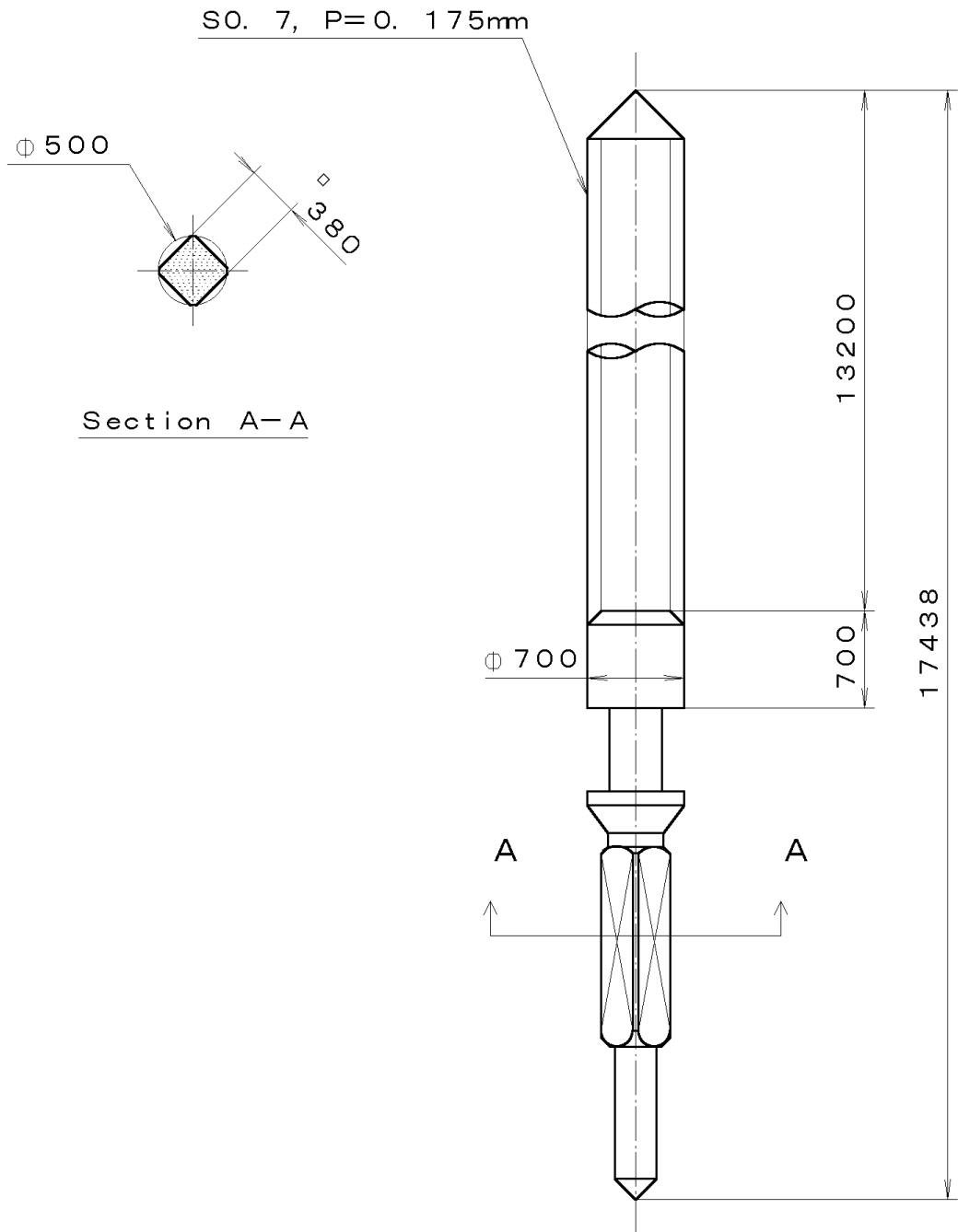
\*\*\* T I P W (01) \*\*\* (2100 1121) 5Y30-00A \*\*\* 00-06-14



|                |  |  |                    |           |                        |                      |
|----------------|--|--|--------------------|-----------|------------------------|----------------------|
| 7              |  |  | Quantity           |           | Cal. No. :             | 5Y30-00A             |
| 6              |  |  | Unit               | 1/1000 mm | Parts:                 |                      |
| 5              |  |  | Scale              | 8:1       | Name:                  | Indications for Dial |
| 4              |  |  | Date               |           | Drawing No. : 5Y30D000 |                      |
| 3              |  |  | Drawn              |           |                        |                      |
| 2              |  |  | Checked            | T. Hiruta |                        |                      |
| 1              |  |  | Approved           |           |                        |                      |
| Material       |  |  | General Tolerances |           |                        |                      |
| Heat Treatment |  |  | Dimensions         |           |                        |                      |
| Hardness       |  |  | Angles             |           |                        |                      |
| Plating        |  |  |                    |           |                        |                      |

This drawing is provisional and subject to our reconfirmation and/or revision without notice.

\*\*\* T I P W (01) \*\*\* (2100 1121) 00-06-22



|                |  |  |                    |           |                        |
|----------------|--|--|--------------------|-----------|------------------------|
| 7              |  |  | Quantity           |           | Cal. No. :             |
| 6              |  |  | Unit               | 1/1000 mm | Parts:                 |
| 5              |  |  | Scale              | 20:1      |                        |
| 4              |  |  | Date               |           | 065-403                |
| 3              |  |  | Drawn              |           |                        |
| 2              |  |  | Checked            | T. Hiruta | Name:                  |
| 1              |  |  | Approved           |           | SETTING STEM           |
| Material       |  |  |                    |           | Drawing No. : 4030S000 |
| Heat Treatment |  |  | General Tolerances |           |                        |
| Hardness       |  |  | Dimensions         |           |                        |
| Plating        |  |  | Angles             |           |                        |