

MOVEMENT SPECIFICATIONS  
**CAL. 1S02/13 ANALOG QUARTZ MOV'T**  
 BY CITIZEN WATCH CO., LTD. JAPAN  
**NEW FLAT RANGE**  
 MANUFACTURED IN JAPAN

## 1. BASIC SPECIFICATION

(1) CAL. NO.

\*TO CONFIRM WITH MOV'T DRAWING ATTACHED

CALIBRE	1S13	1S02
Ligne	<b>11 1/2"</b>	
Size*mm	23.5 x 21.9 x $\Phi$ 26.4	
Total height	<b>2.71mm</b>	<b>3.07mm</b>
Hands	<b>3</b>	
Date	○	○
Day of Week	X	○
Battery life	<b>3 Year</b>	
Battery	<b>SR621SW</b> or equivalent	

(2) Time standard

Type of quartz : Tuning fork type quartz crystal  
 Frequency : 32,768Hz  
 Accuracy : **+/-20 s/month** worn under normal circumstances

(3) Battery installed

Type of battery : SR621SW or equivalent

(4) Others

Driving systems : Two-pole stepping motor  
 Number of Jewel : No(0) jewel

(5) Additional Mechanisms & Features:

**Quick Day/Date Change by turning crown**  
**Bilingual Day of Week(1S02)**  
**Powercell Saving Reset Mechanism(PSRM)**  
**Second hand stopping at optional position**  
**Over-loading Compensation Device(OLCD)**  
**Digital Frequency Control(DFC) for time adjustment**

(6) Balanceable weight of hand

Minute hand Max. 0.4  $\mu$ N·m  
 Second hand Max. 0.07  $\mu$ N·m

## 2. SEPARATED PARTS

	1S13	1S02
Dial Washer	078-040	-
Setting Stem	065-505	

\* Setting stem 065-505  
 Length of movement center to stem end... 20.03mm  
 Thread..... 0.9 x 11.68mm

## 3. Others

### \* Measurement of time rate

The unit(gate) time of measurement must be set at "10s" or integer fold value of 10s owing to the DFC system, and the measurement must be performed in the form of complete watch.

### \* Marking on movement

**NO(0) JEWEL  
 (CAL. NO.)  
 MIYOTA CO., JAPAN**

### \* Typical clearance

Mov't - Caseback minimum 150  $\mu$  m or more  
 Top of hands - Glass 300 - 400  $\mu$  m \*

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

### \* Interchangeability of appearance components:

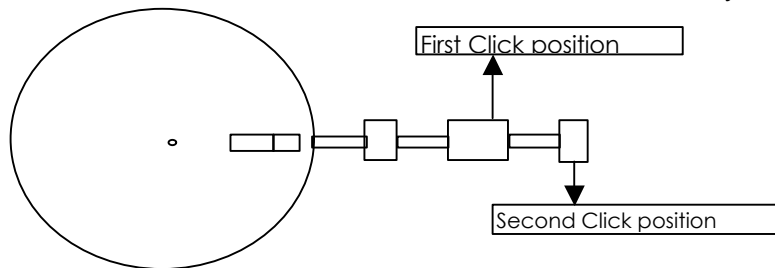
Hands same as Cal. 2035/20/21/6L/6M/1L/1Mseries

\*respectively plain to plain, date to date and d/d to dd

### \*How to set time and day/date:

Day/Date ----- Pull out crown to the first click position, then:  
 turn crown clockwise for Weekday  
 turn crown counter-clockwise for Date

Time ----- Pull out crown to the second click position and  
 turn crown until the time is set correctly\*\*



*This specifications might be changed without prior notice.*

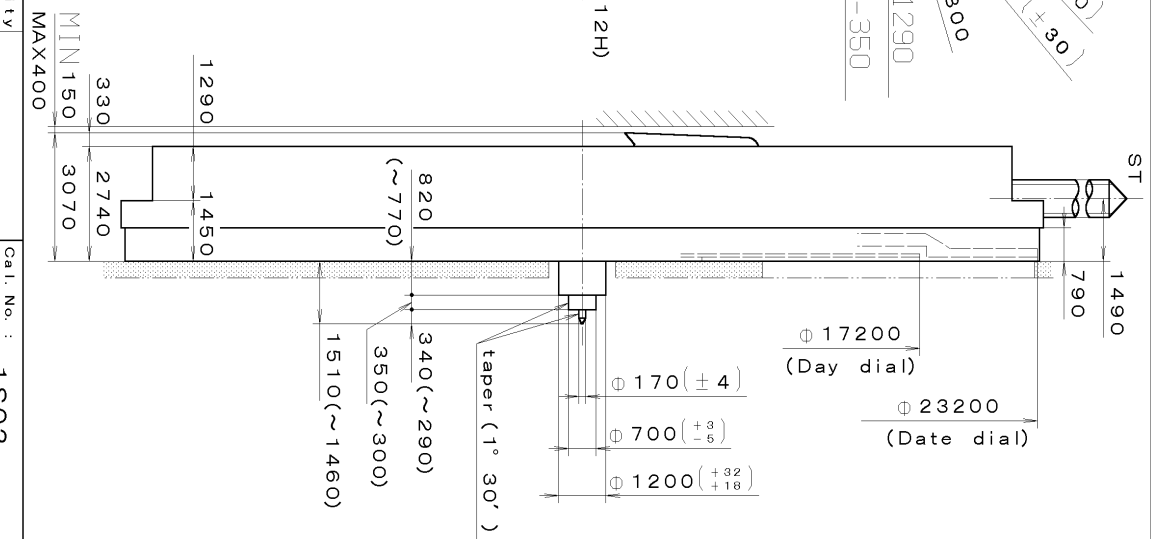
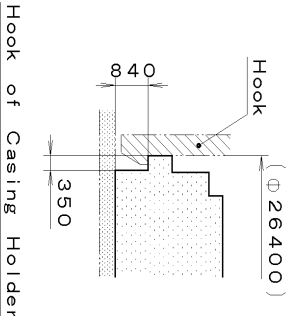
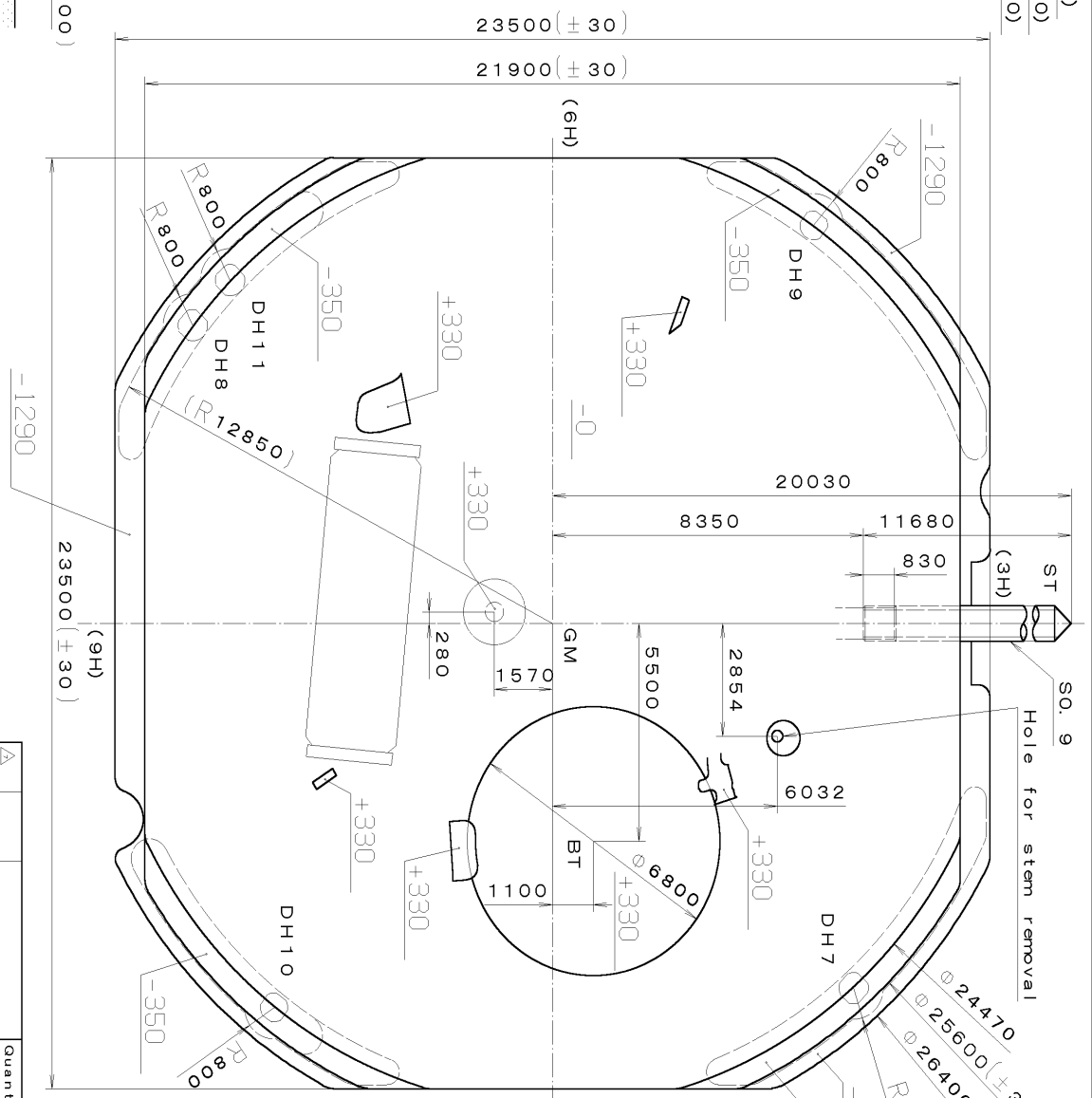
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

\*\*\* TIPW 1S02 (01) \*\*\* (2100 1121 ) 00-06-26

DH7~DH8=24390 (±20)  
 DH7~DH11=24487 (±20)  
 DH9~DH10=24493 (±20)

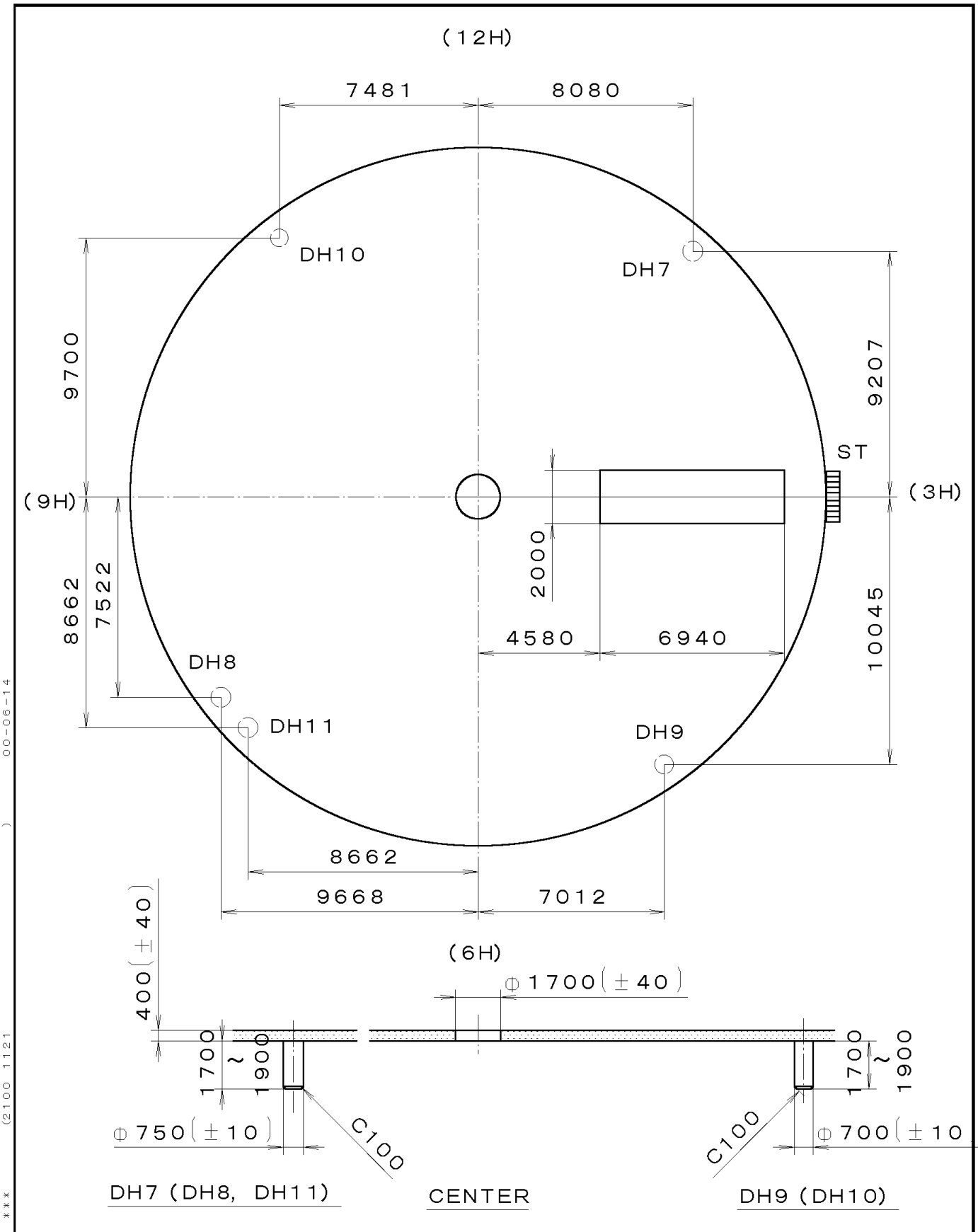
Coordinates

Mark	X	Y
GM	0	0
DH7	9207	8080
DH8	-7522	-9668
DH9	-10045	7012
DH10	9700	-7481
DH11	-8862	-8862



Material	Quantity	Unit	1/1000 mm	Cal. No. : 1S02
Heat Treatment	Scale	8:1	Parts:	
Hardness	Date			
Plating	Drawn			
	Checked	T. Hiruta	Name:	Frame for Case
	Approved		Drawing No.:	1502C0000
General Tolerances				
Dimensions				
Angles				

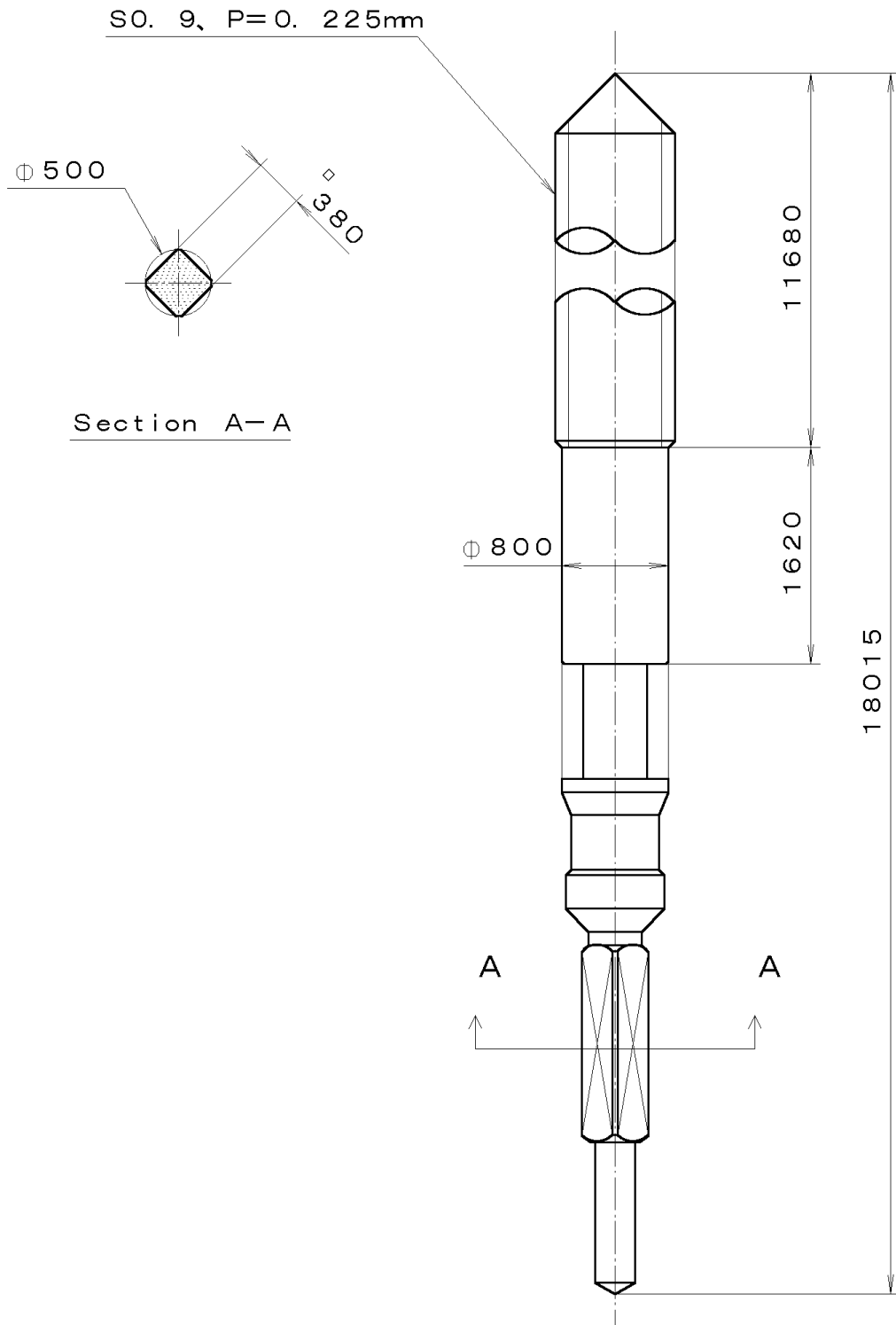
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*** T I P W 1S02-10A (01) *** (2100 1121)	7	Quantity		Cal. No. :	1S02-10A
	6	Unit	1/1000 mm	Parts:	
	5	Scale	5:1	Name:	Indications for Dial
	4	Date			
	3	Drawn			
	2	Checked	T. Hiruta	Drawing No. : 1S02D000	
	1	Approved			
Material		General Tolerances			
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 A-01 A-01 ) 00-06-22



7			Quantity		Ca l. No. :
6			Unit	1/1000 mm	
5			Scale	20:1	Parts:
4			Date		065-505
3			Drawn		
2			Checked	T. Hiruta	Name:
1			Approved		SETTING STEM
Material					Drawing No. : 5050S000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		