MIYOTA

Cal. 8205/15/0A/1A

AUTOMATIC & MANUAL WINDING MOVEMENT WITH DATE & WIDE DAY

Basic specification

Calibre	8205	8215	820A	821A
Ligne	11-1/2'''			
Overall diameter	Φ26.0mm			
Case fitting diameter	Φ25.6mm			
Total height	5.67mm			
Date	○	○	○	○
Day	○	N/A	○	N/A
Vibration frequency	21600 vibrations per hour			
Jewels	21 Jewels			

Function

Automatic & manual winding
Display by means of hands: hour, minute, second
Date calendar
Wide Day calendar (8205/820A)
Shock-absorber for balance staff

Technical characteristics

Hands fitting force

Second hand	MAX. 30N
Minute hand	MAX. 50N
Hour hand	MAX. 50N

Lift angle 49°

Casing Non-corresponding to "Divers' watches" defined by ISO6425

Time performance

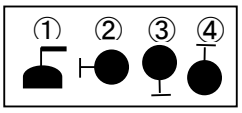
Accuracy	-20～+40 seconds/day
Posture difference	Under 50 seconds/ day
Running time	More than 40 hours

※Accuracy of the mechanical watch is different from the daily rate of the quartz watch and the accuracy will change maximum of several ten seconds during rewinding the spring, then the accuracy of the half winding condition will be different from that of full winding condition.

<Time performance measurement condition>

Accuracy
Measure within lapse of 10～60 minutes from full winding.

Posture difference
Measure accuracy in 4 different postures shown on the right picture within lapse of 10 ~ 60 minutes from full winding.

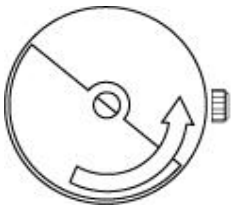


※Direction of 4 postures ①Date Dial side Up ②6 o'clock side up ③9 o'clock side up ④3 o'clock side up

Running time
Measure the running time from full winding.
※The mainspring becomes fully winded by rotating the ratchet wheel 7.5 times (turning the crown 40 times).

Automatic winding structure

Winding direction : Counter-clockwise (seeing from case back side)



Operating method

(1) Winding the Mainspring

Automatic winding watch can also be hand winded by turning the crown in "A" position.
Wind 15 ~ 20 times clockwise. It will start to move naturally after shaking slightly.

(2)Setting the Date

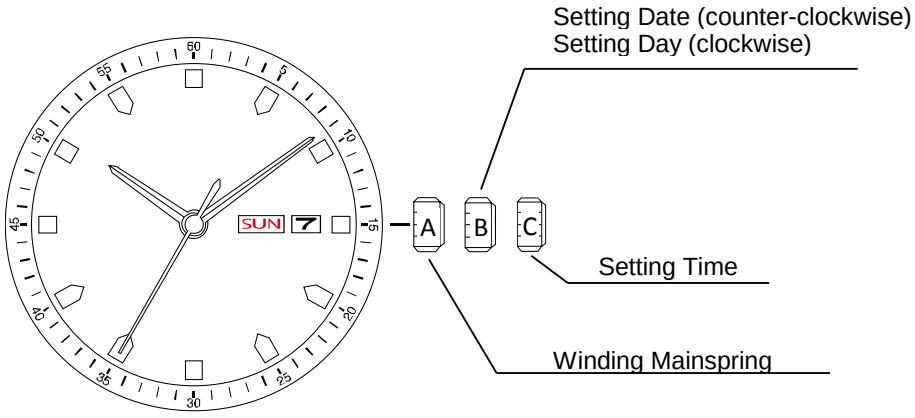
1.Pull the crown to "B" position.
2.Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
3.After the date has been set, push the crown back to the normal position.

(3)Setting the Day

1.Pull the crown to "B" position.
2.Turn the crown clockwise to set the day.
*If the day is set between the hours of around 1:00 AM and 4:30 AM, the day may not change on the following day.
3.After the day has been set, push the crown back to the normal position.

(4)Setting the Time

1.Pull the crown to "C" position.
2.Turn the crown to set the hour and minute hands.



5. Separated Parts

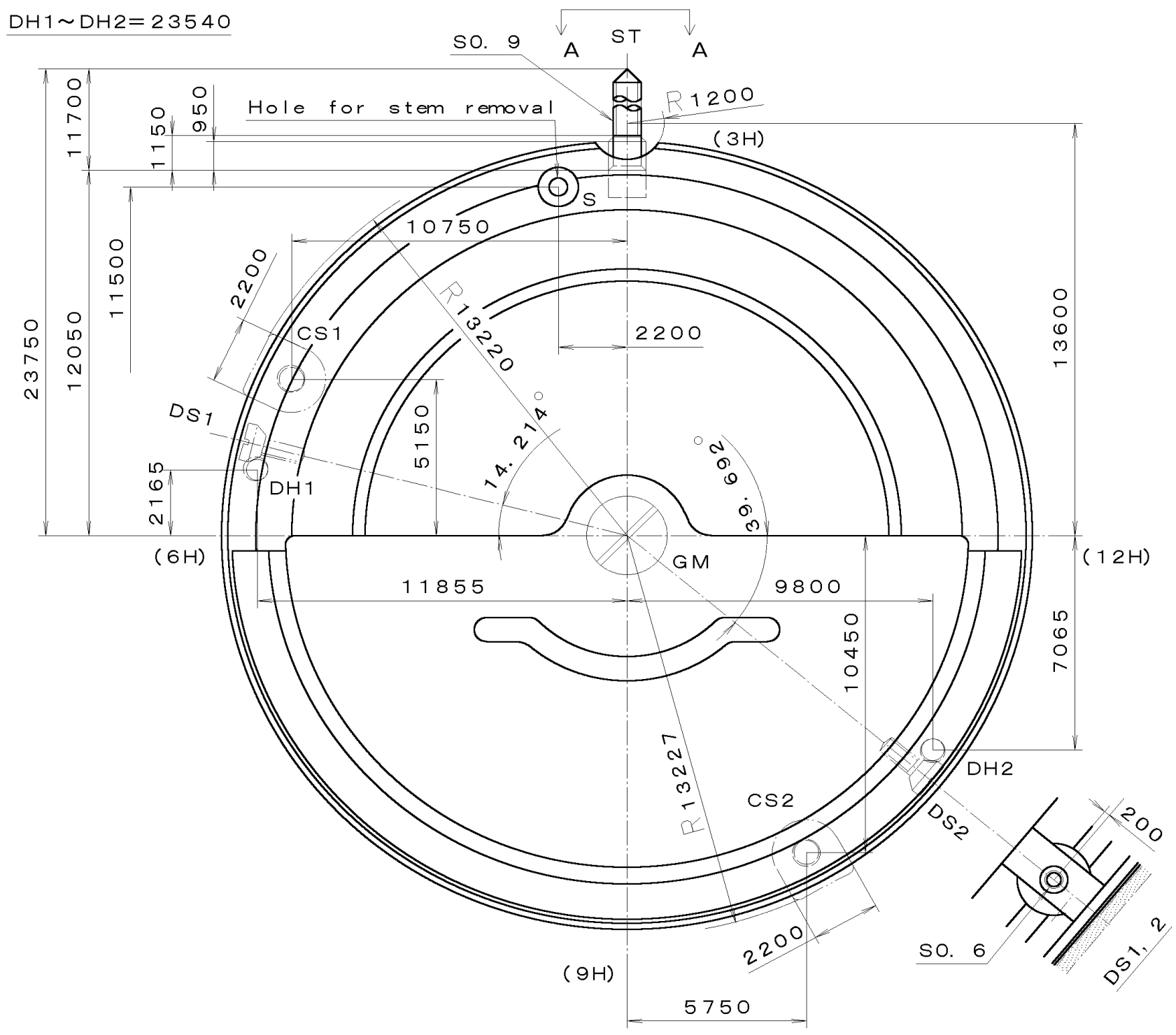
Winding Stem	065-212	×1
Screw for dial fixing	929-610	×2
Movement holder	500-710	×1

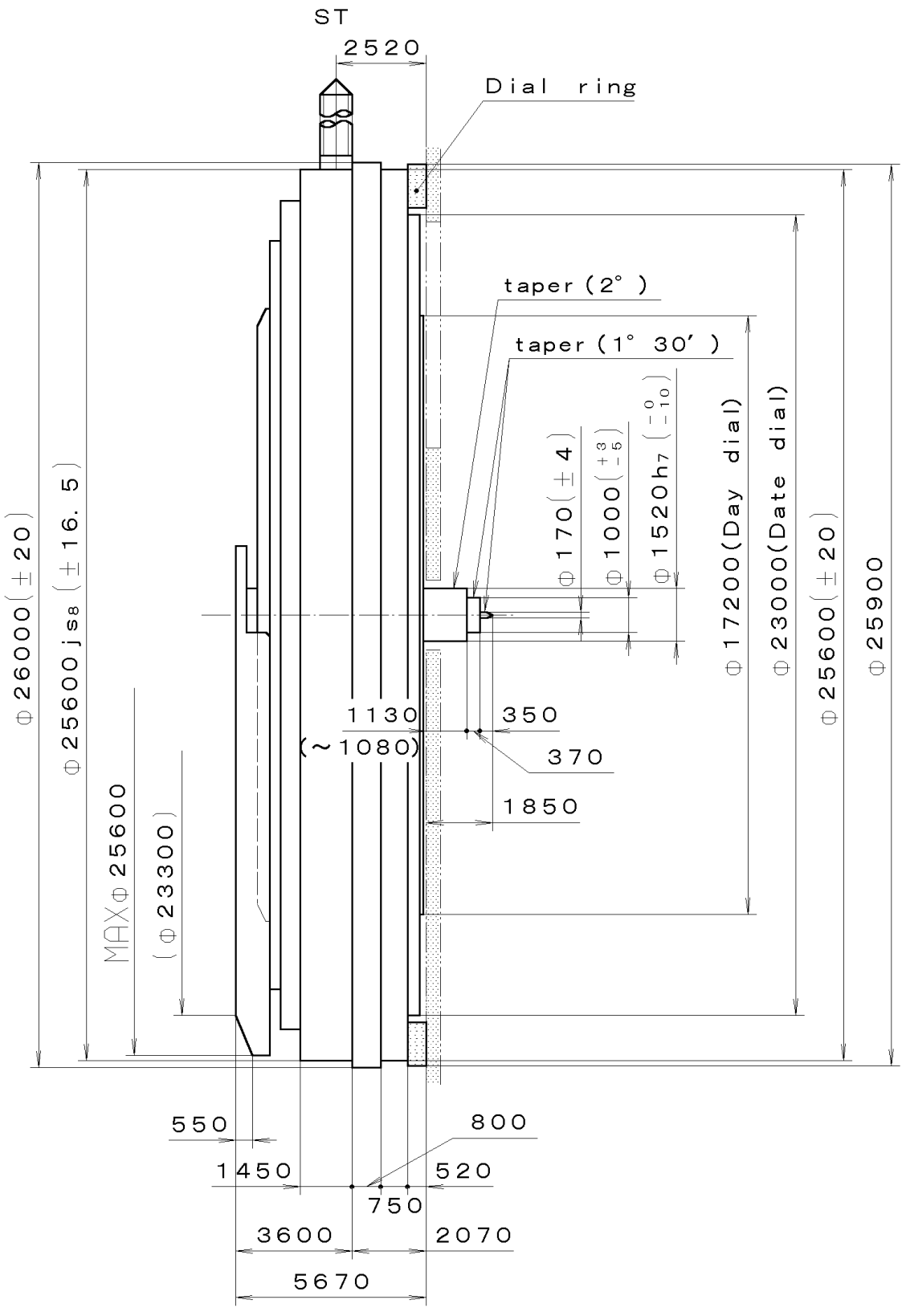
These specifications might be changed without prior notice.

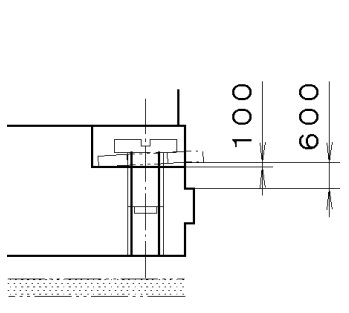
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

xxx TIPW 8205 (01) xxx (2100 1121) 00-10-12

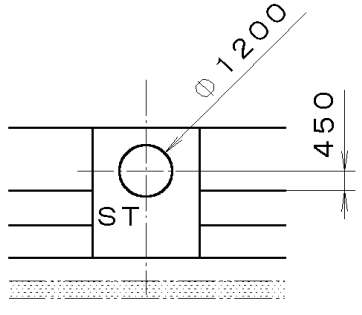
DH1～DH2＝23540







Section CS1, CS2

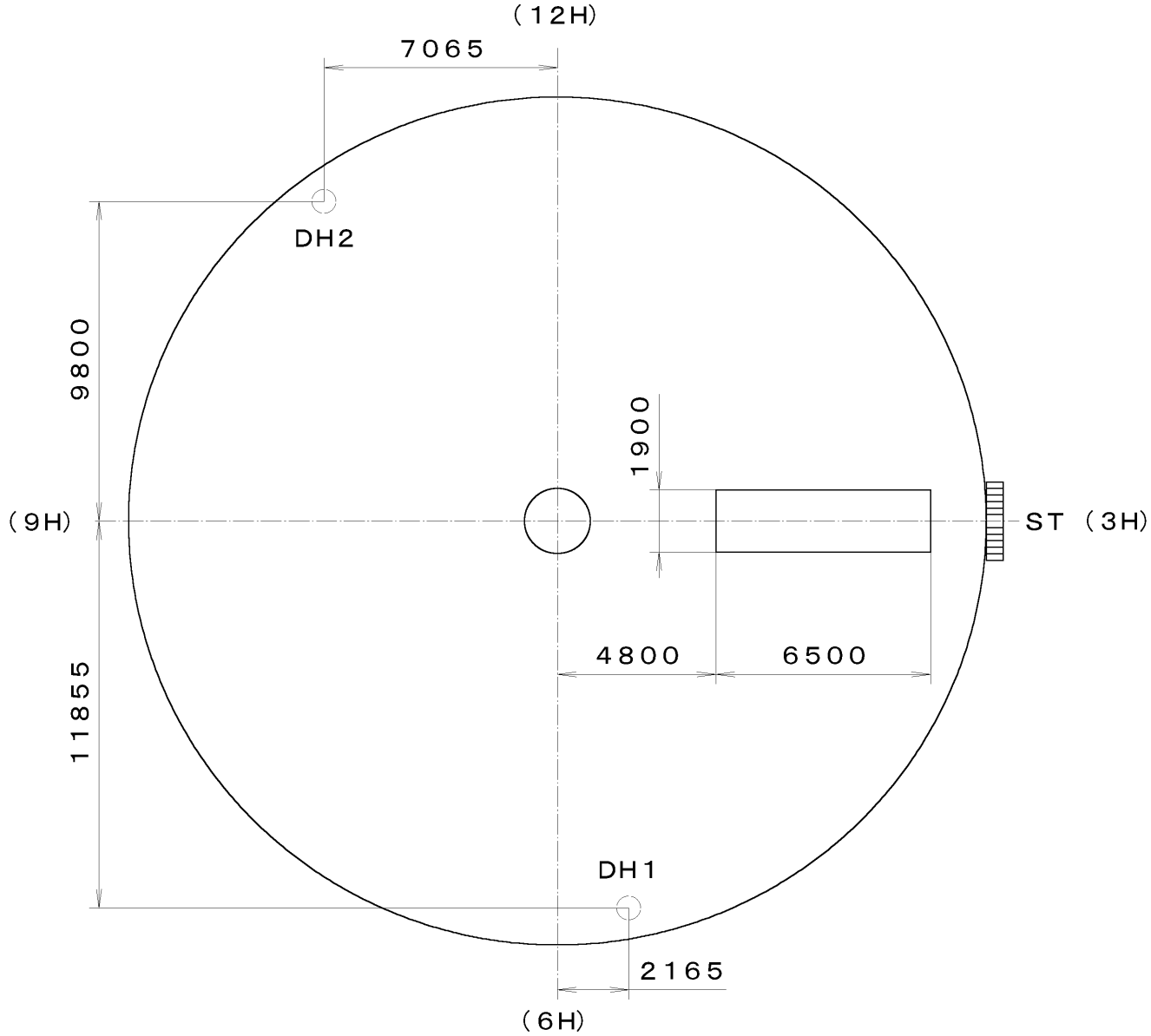


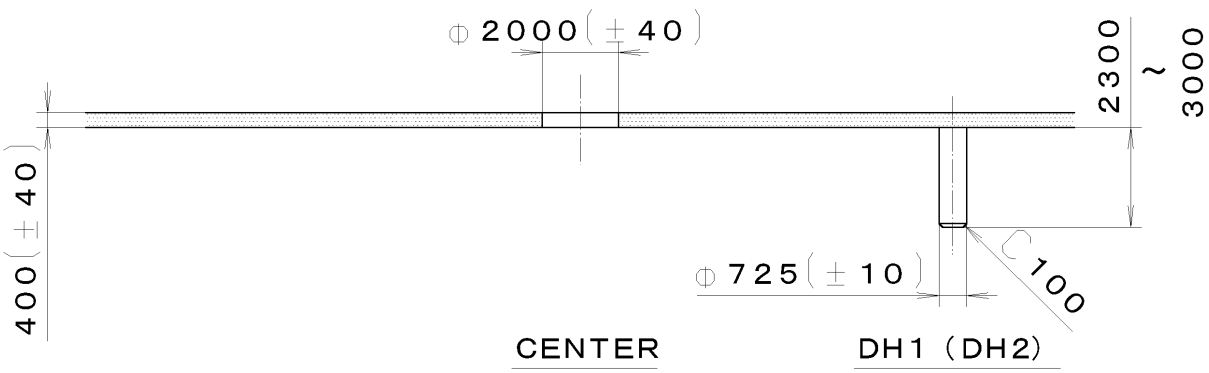
Section A－A

7			Quantity		Cal. No. : 8205
6			Unit	1/1000 mm	
5			Scale	6:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Frame for Case
1			Approved		
Material					Drawing No. : 8205C000
Heat Treatment			General Tolerances		MIYOTA
Hardness			Dimensions		
Plating			Angles		

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

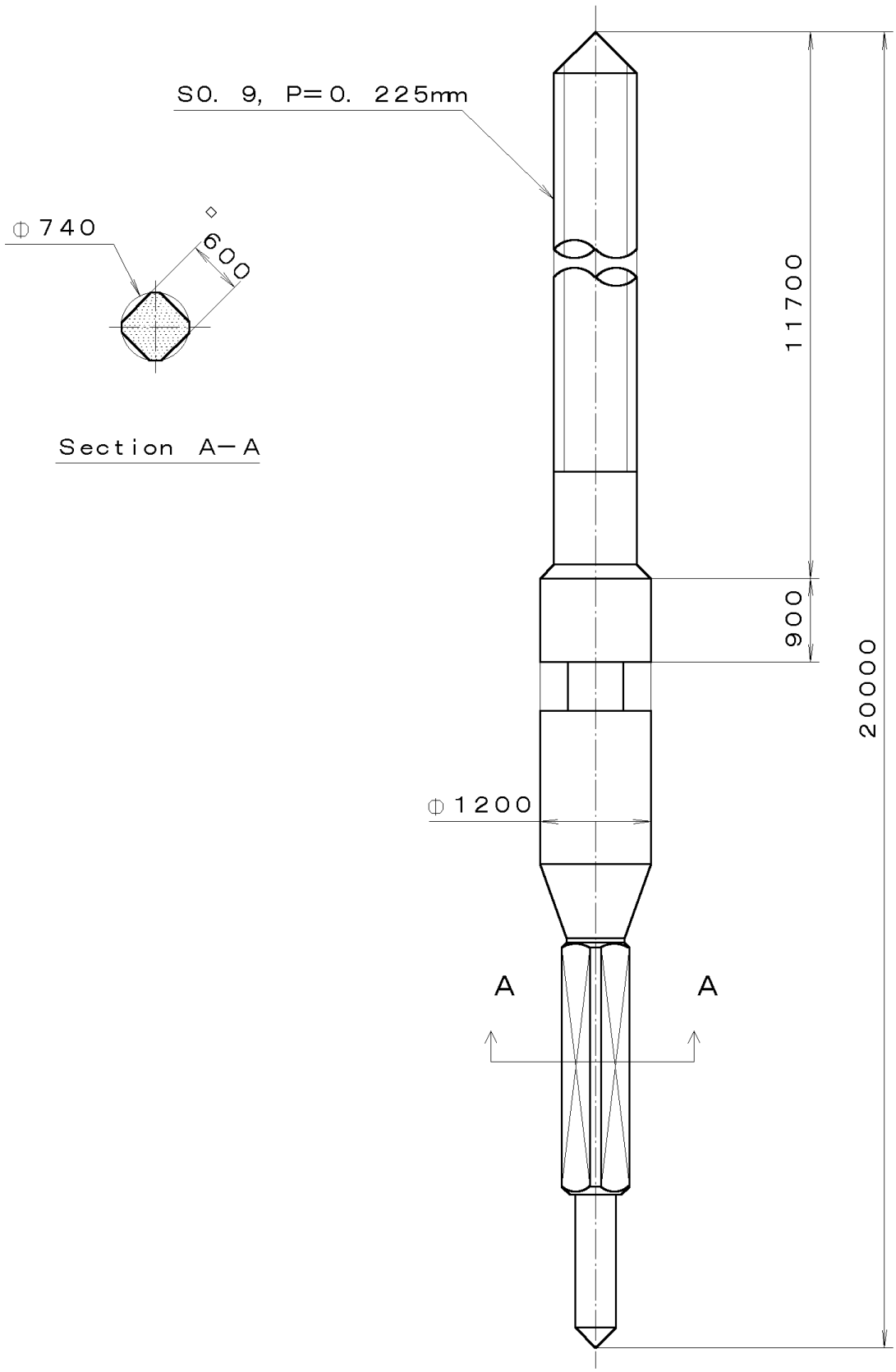
*** TIPW 8205-AEB (01) *** (2100 1121) 02-03-11





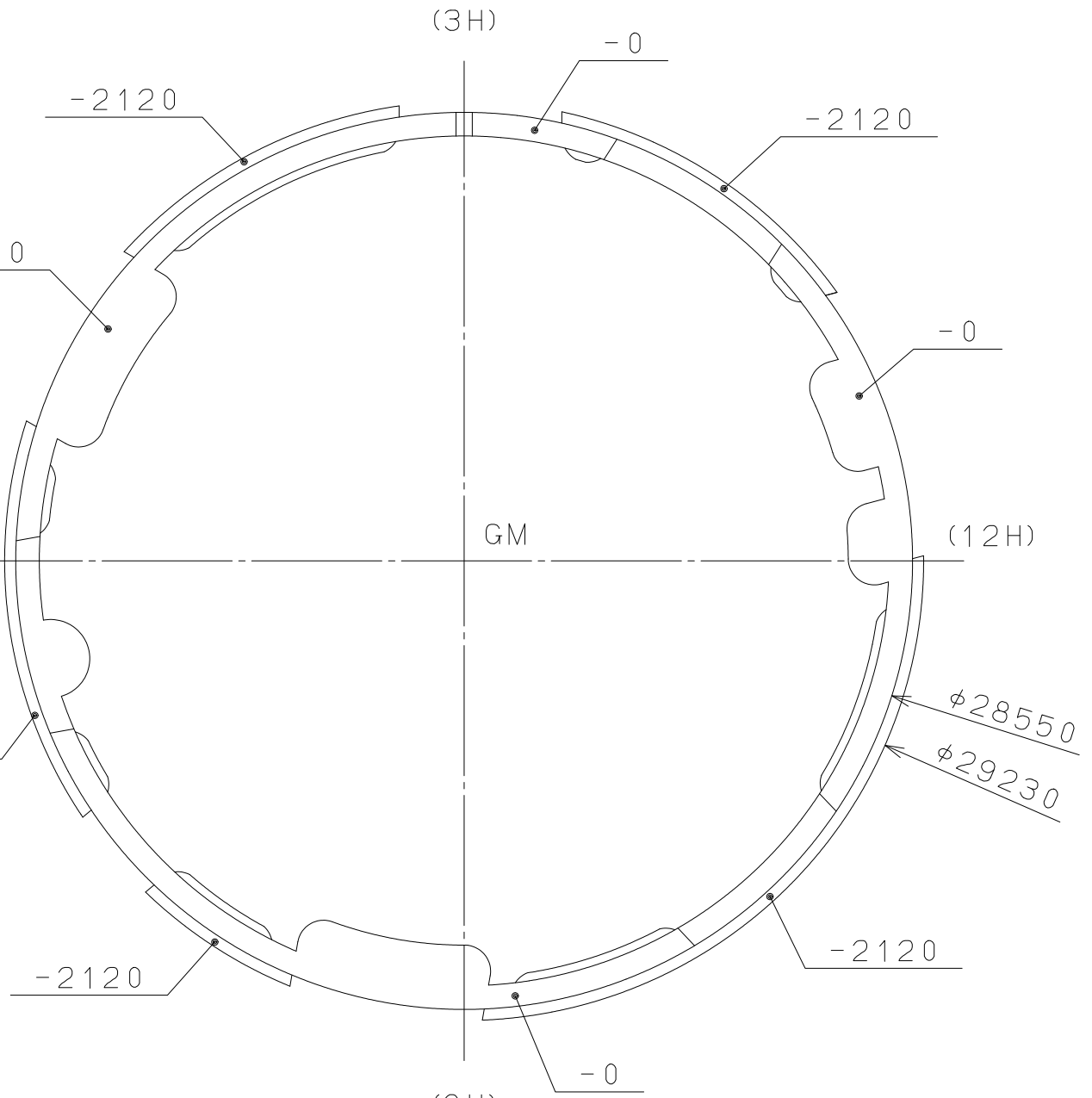
7			Quantity		Cal. No. : 8205-AEB
6			Unit	1/1000 mm	
5			Scale	5:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Indications for Dial
1			Approved		
Material					Drawing No. : 8205D001
Heat Treatment			General Tolerances		MIYOTA
Hardness			Dimensions		
Plating			Angles		

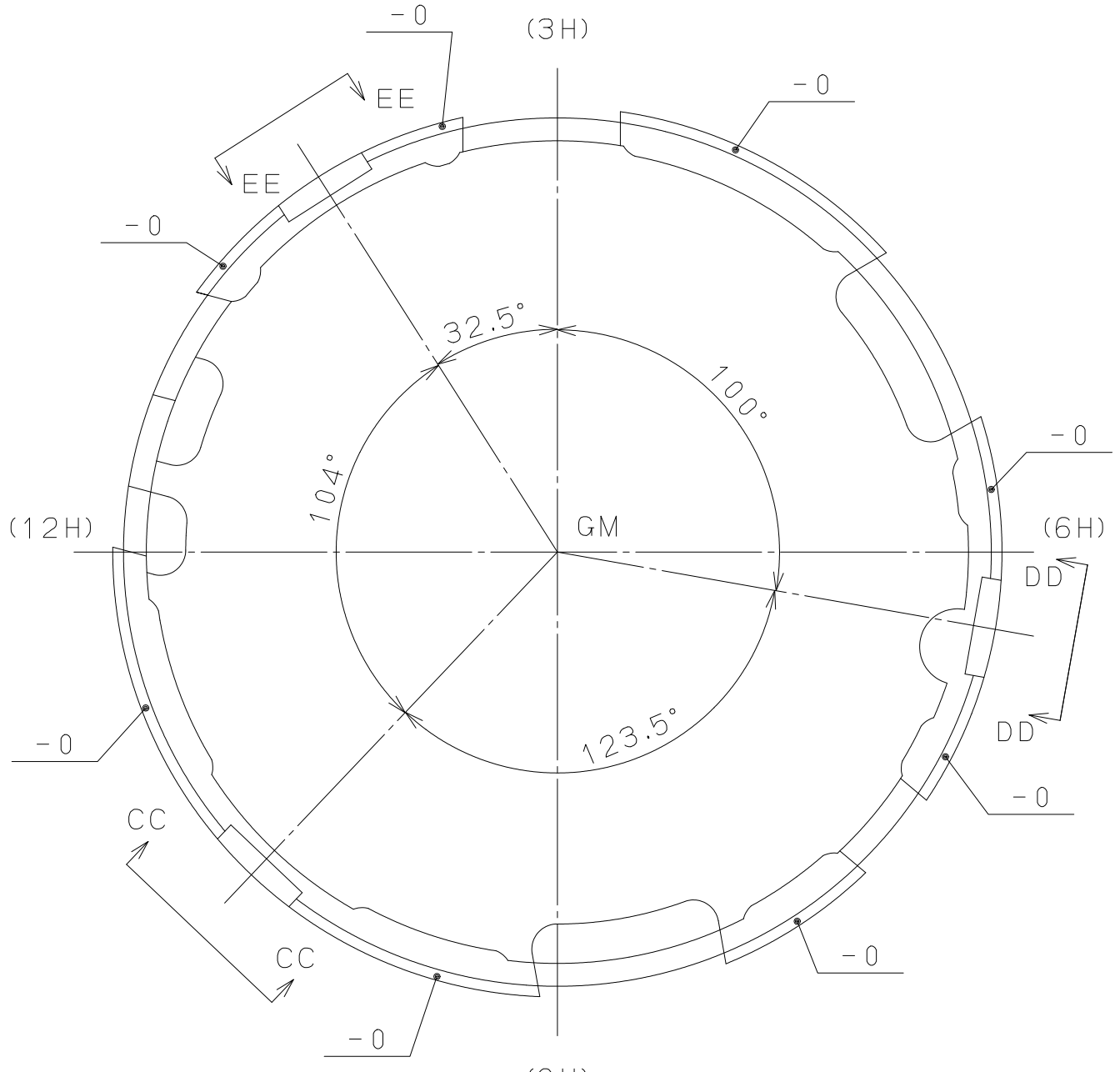
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

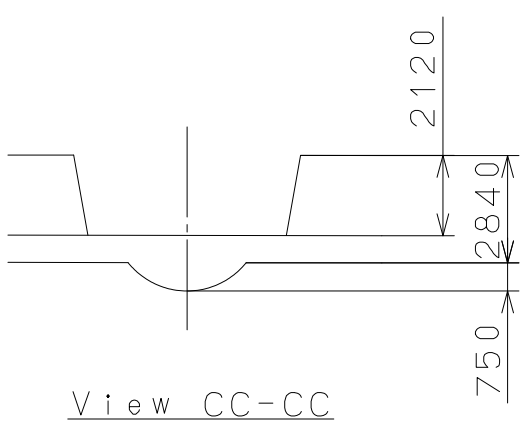


△7			Quantity		Cal. No. :
△6			Unit	1/1000 mm	
△5			Scale	15:1	Parts: 065—212
△4			Date		
△3			Drawn		
△2			Checked	T. Hiruta	Name: SETTING STEM
△1			Approved		
Material					Drawing No. : 2120S000
Heat Treatment			General Tolerances		MIYOTA
Hardness			Dimensions		
Plating			Angles		

*** TIPW 065-212 (01) *** (2100 1121) 00-09-18







View CC-CC
DD-DD、EE-EE

⑤			Quantity		Cal.NO.:
④			Unit	1／1000mm	
③			Scale	5 : 1	Parts No.: 500-710
②			Date		
①			Drawn		
Mark	Date	Description Appro.	Checked	N.Suzuki	Name: Casing Holder
Alterations			Approved		
Material					Drawing No.:8200E002
Heat Treatment			General Tolerances		MIYOTA
Hardness			Dimensions		
Plating			Angles		CITIZEN WATCH CO.,LTD. TOKYO,JAPAN