


MIYOTA

MOVEMENT SPECIFICATIONS
CAL. GP SERIES ANALOG QUARTZ MOV'T
 BY CITIZEN WATCH CO., LTD.

DUAL TIME / BIG DATE / SMALL SECOND / DOUBLE RETROGRADE
 MANUFACTURED IN JAPAN

1. BASIC SPECIFICATION

(1) CAL. NO.

CALIBRE	GP00	GP01	GP30	GP10	GP11	GP50
						
	RETROGRADE DUAL TIME		BIG DATE	SMALL SECOND AND BIG DATE		DOUBLE RETRO
Ligne	12'''					
Size	Φ 27.0mm , 25.0mm(3H-9H)					
Total height	4.40mm					3.80mm
Hands	4		3			5
Date	12H	3H	12H		3H	12H RETROGRADE
Battery life	3 Year					
Battery	SR920SW 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 : Silver oxide SR920SW or equivalent

(4) Others

Driving systems : Two-pole stepping motor

(5) Balanceable weight of hand

Minute hand **Max. 1.00 $\mu\text{N}\cdot\text{m}$**
Second hand **Max. 0.08 $\mu\text{N}\cdot\text{m}$**
Retrograde hand **Max. 0.14 $\mu\text{N}\cdot\text{m}$**

(6) Additional Mechanisms

Calendar : Date disk at 12H(GP00/GP30/GP10) or 3H(GP01/GP11)
Date hand at 12H(GP50)

Calendar correction : Pull out the crown to the first click position,
turn crown clockwise.
*If the date is set between 9:00 PM and 2:00 AM,
the date may not change on the following day.

2nd time(GP00/GP01/GP50) : 24 hour hand at 6H (by Retrograde)

2nd time correction(") : Pull out the crown to the first click position,
turn crown counter-clockwise.

Power conservation switch : Pull out the crown to the second click position

Second hand stopping devi : Pull out the crown to the second click position

2. SEPARATED PARTS

* Setting stem 065-992
Length of movement center to stem end. 23.00mm
Thread..... $\Phi 0.9 \times 10.5\text{mm}$

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

**MIYOTA CO. UNADJUSTED
NO JEWEL JAPAN GP****

* Typical clearance

Mov't - Caseback minimum 200 μm or more
Top of hands - Glass 300 - 400 μm *

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

4. Notice Of Casing

The interval between Dial and Glass end should be 150 μm to avoid breakage under drop.

5. Setting Instructions

(1) Setting the date (Quick change function)

Pull the crown out to the first click position and set the date by rotating the crown backward.

If the date is set between 11:00 PM and 3:00 AM, the date will not change correctly.

(2) Setting the normal time

Pull the crown out to the second click position when the second hand reaches the 12 o'clock position so that the second hand stops there.

Then set the hour and minute hands.

When setting the minute hand, put it 4 to 5 minutes earlier than the time to be set, and then turn it back to the correct time.

Note: The day is changed during the period from about 0:00 AM to about 5:30 AM.

After the time is set, push the crown back simultaneously with the time signal.

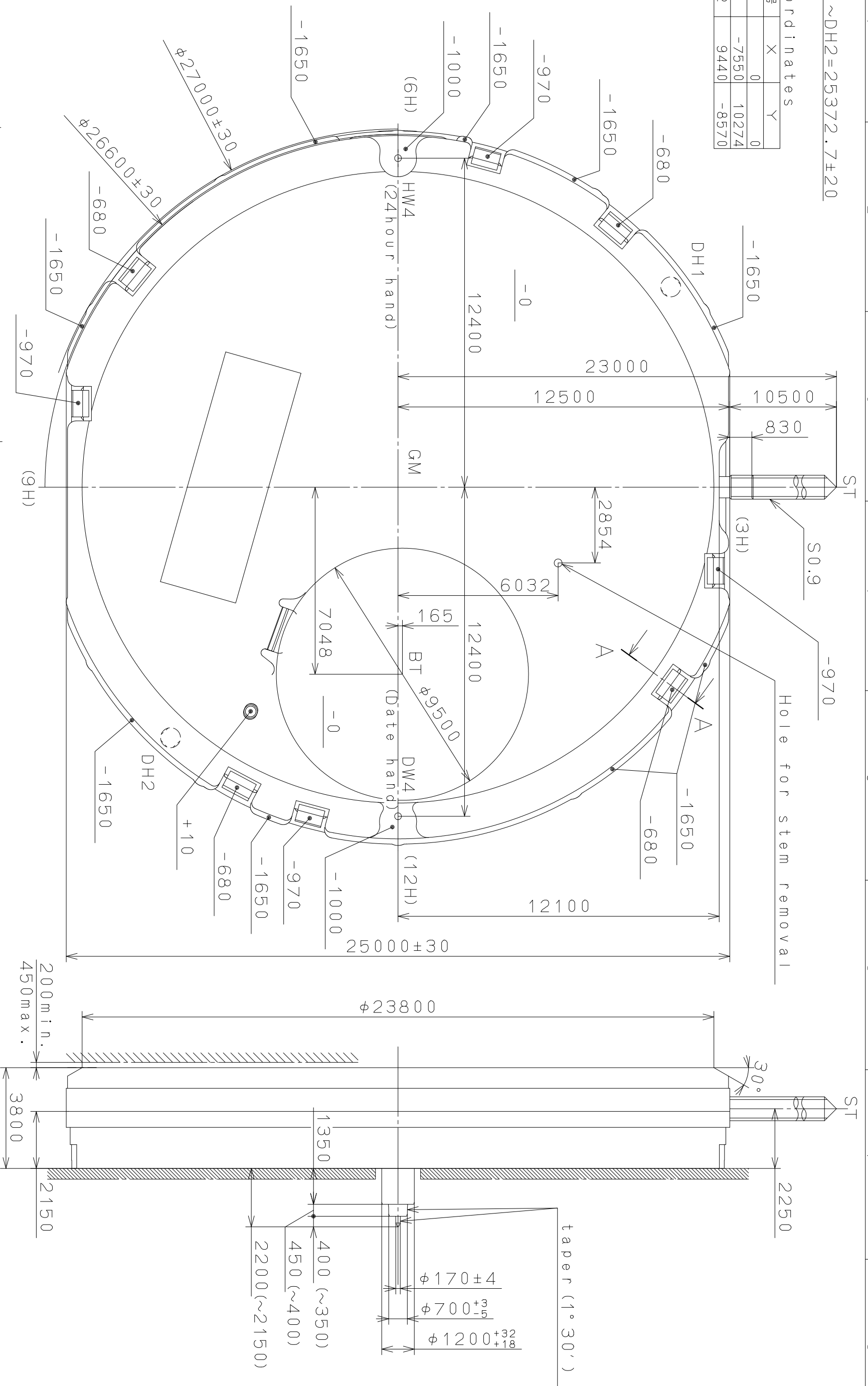
The second hand will start running at the same time.

This specifications might be changed without prior notice.

Coordinates

記号	X	Y
GM	0	0
DH1	-7550	10274
DH2	9440	-8570

DH1~DH2=25372.7±20



850 (800)

Section HW4, DW4

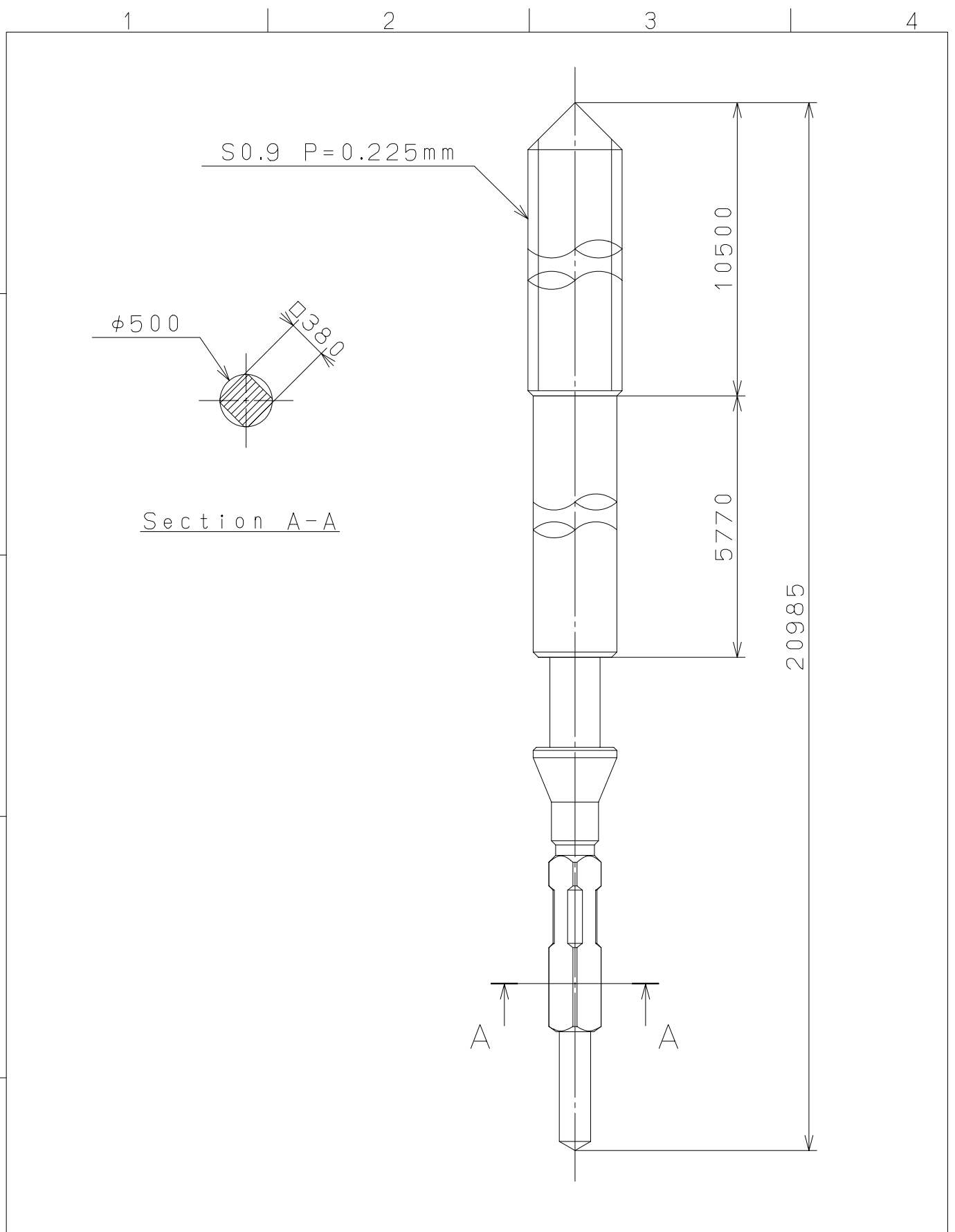
taper (0° 45')

Section A-A

△	Quantity	Cal. NO.:	GP50
△	Unit	Unit	1/1000 mm
△	Scale	Scale	7 : 1
△	Date	Date	
△	Drawn	Drawn	
△	Checked	Checked	M. Fukuda
△	Approved	Approved	
△	Alterations	Alterations	
△	Date	Date	
△	Description	Description	Frame for Case
△	Material	Material	
△	Heat Treatment	Heat Treatment	
△	Hardness	Hardness	
△	Plating	Plating	
	General Tolerances	General Tolerances	
	Dimensions	Dimensions	
	Angles	Angles	

2005/02/01 (17:07:32)

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



△			Quantity			Cal.NO.:
△			Unit	1 / 1000 mm		
△			Scale	20 / 1		Parts No.:
△				Date	Name	065-992
△			Drawn			
Mark	Date	Description	Appr.	Checked	M. Fukuda	Name:
Alterations			Approved	SETTING STEM		
Material						Drawing No.: 9920S000
Heat Treatment	General Tolerances					
Hardness	Dimensions					
Plating	Angles					CITIZEN WATCH CO., LTD. TOKYO, JAPAN