MIYOTA

MOVEMENT SPECIFICATIONS

CAL. **5R21/5R32** ANALOG QUARTZ MOV'T

BY CITIZEN WATCH CO., LTD. JAPAN

SUPER SMALL SIZE 3-3/4 Ligne Quartz, (0) JEWELS

MANUFACTURED IN JAPAN

1. BASIC SPECIFICATION

(1) CAL. NO. *TO CONFIRM WITH MOV'T DRAWING ATTACHED

CALIBRE	5R21	5R32
Ligne Size*mm	3-3/4	
	9.0 × 13.2 × Φ13.5mm	
Total height	1.90mm	2.00mm
Hands	2 HANDS	3 HANDS
Battery life	4 YEARS	2 Years
Battery	SR416SW	

(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 SR416SW (JAPAN-MADE)

(4) Additional Mechanisms & Features:

Second hand stopping at optional position
Power conservative switch

(5) Balanceable weight of hands

	5R21	5R32
Minute hand	Maximum 0.15 μN･m	Maximum 0.30 μN･m
Second hand		Maximum 0.015 μN･m

2. SEPARATED PARTS

	5R21 / 5R32
Setting stem	065-413
Length of movement center to stem end...	13.5mm
Thread.....	Φ0.7 x 9.0mm

3. OTHERS

*** Measurement of time rate**

The unit time of measurement must be set at "10s", "20s", "30s" …….
(not "15s", "25" ……)
And the measurement must be carried out in state of a complete watch.

*** Marking on movement**

MIYOTA CO.	**MIYOTA CO.**
NO JEWEL	**NO JEWEL**
5R21 JAPAN	**5R32 JAPAN**

*** Typical clearance**

Mov't - Caseback	min 150 μm or more
Top of hands - Glass	300 - 450 μm *

* depending and subject to the glass and case structure, and length of hands

*** 5R21/5R32 are only recommended to use for lady's size watch**

*** Aluminium second hand should be used for Cal. 5R32**

These specifications might be changed without prior notice.

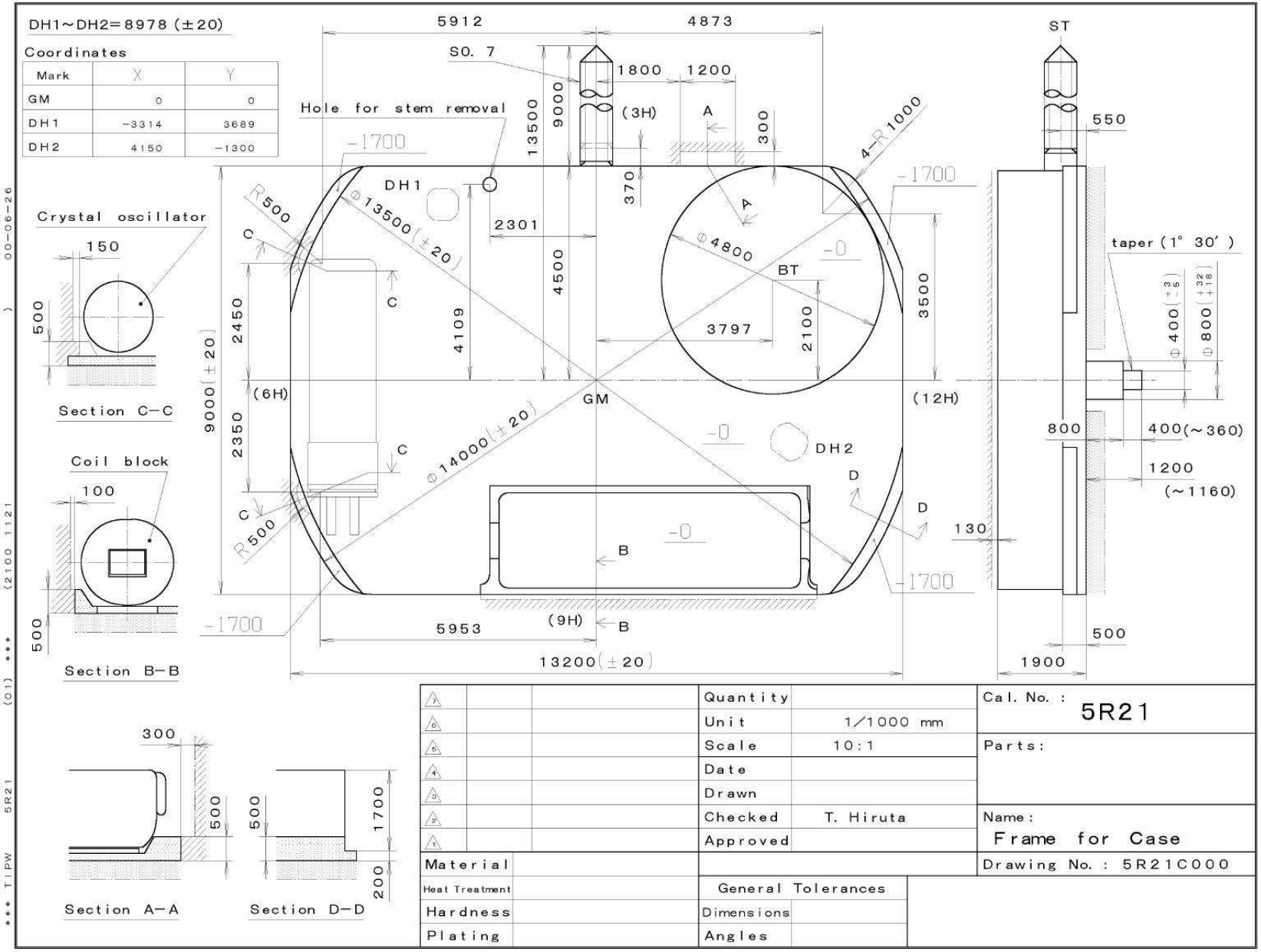
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

*** TIPW 5R21 (01) *** (2100 1121) 00-06-26

DH1~DH2=8978 (±20)

Coordinates

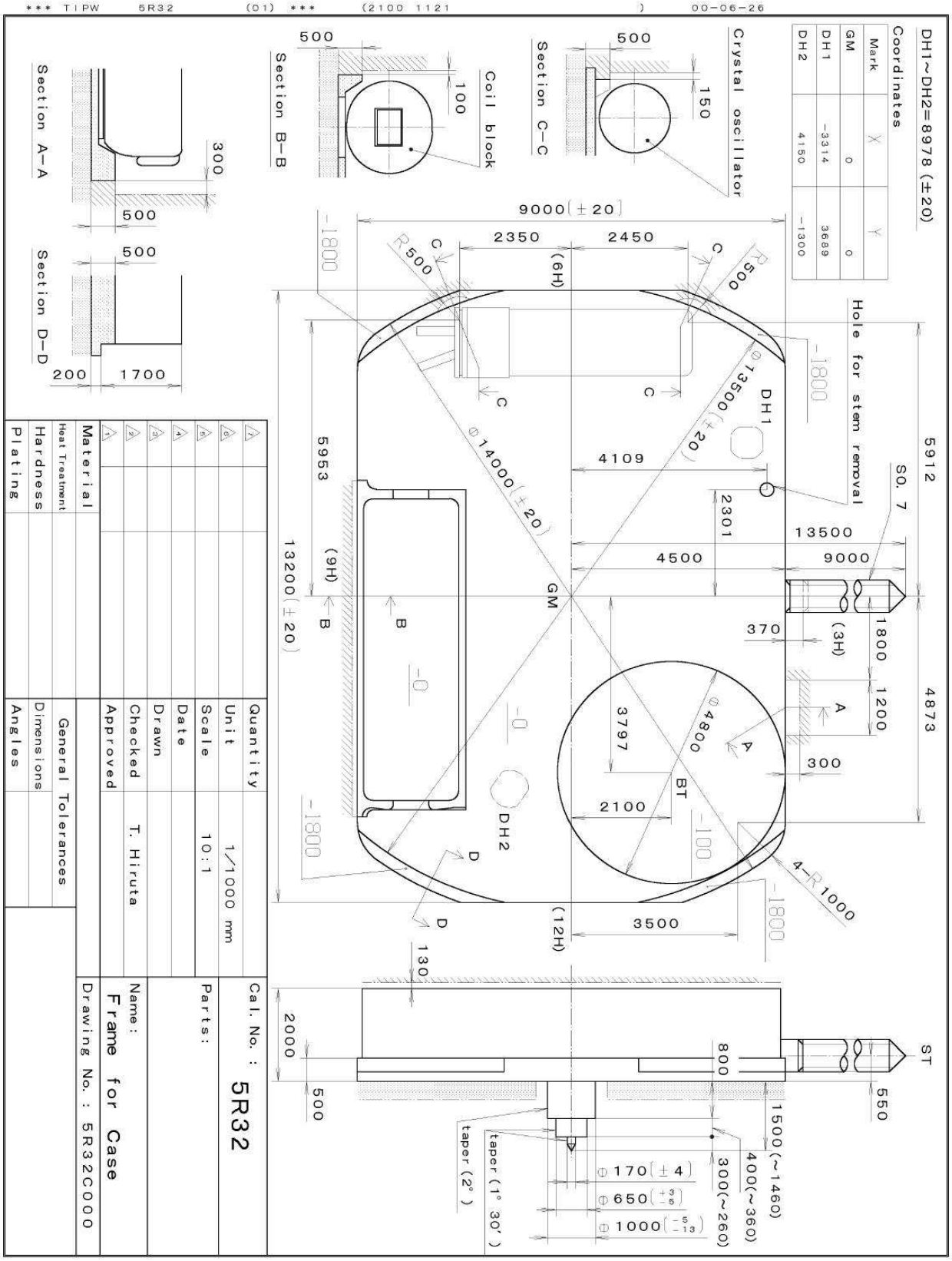
Mark	X	Y
GM	0	0
DH1	-3314	3689
DH2	4150	-1300



Material			Quantity		Cal. No. : 5R21
Heat Treatment			Unit	1/1000 mm	
Hardness			Scale	10:1	Parts:
Plating			Date		
			Drawn		
			Checked	T. Hiruta	Name: Frame for Case
			Approved		Drawing No. : 5R21C000
			General Tolerances		
			Dimensions		
			Angles		

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

*** TIPW 5R32 (01) *** (2100 1121) 00-06-26



Material		Quantity	
Heat Treatment		Unit	1/1000 mm
Hardness		Scale	10:1
Plating		Date	
General Tolerances		Drawn	
Dimensions		Checked	T. Hiruta
Angles		Approved	

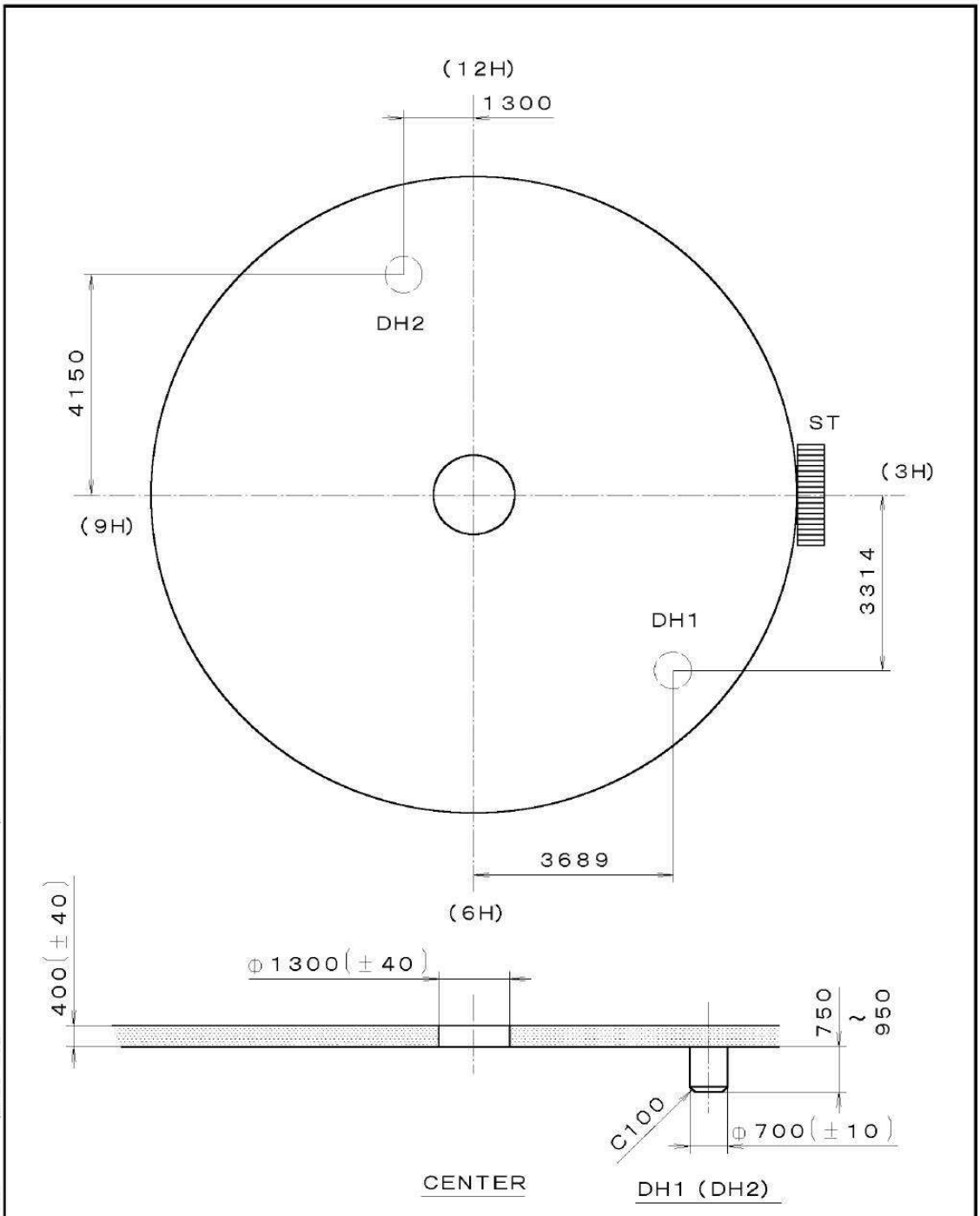
Cal. No. : 5R32

Parts:

Name: Frame for Case

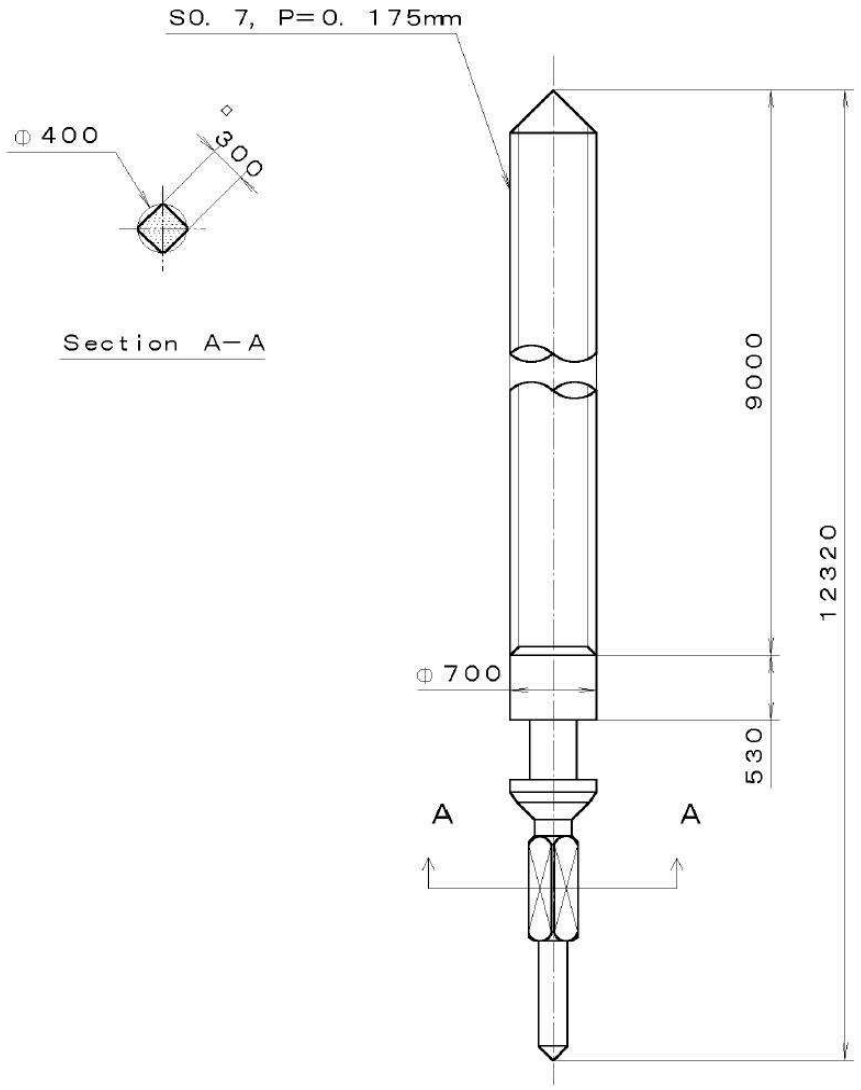
Drawing No. : 5R32C000

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



			Quantity		Cal. No. : 5R32−00A
			Unit	1/1000 mm	
			Scale	10:1	Parts:
			Date		
			Drawn		
			Checked	T. Hiruta	Name: Indications for Dial
			Approved		
Material					Drawing No. : 5R32D000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

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



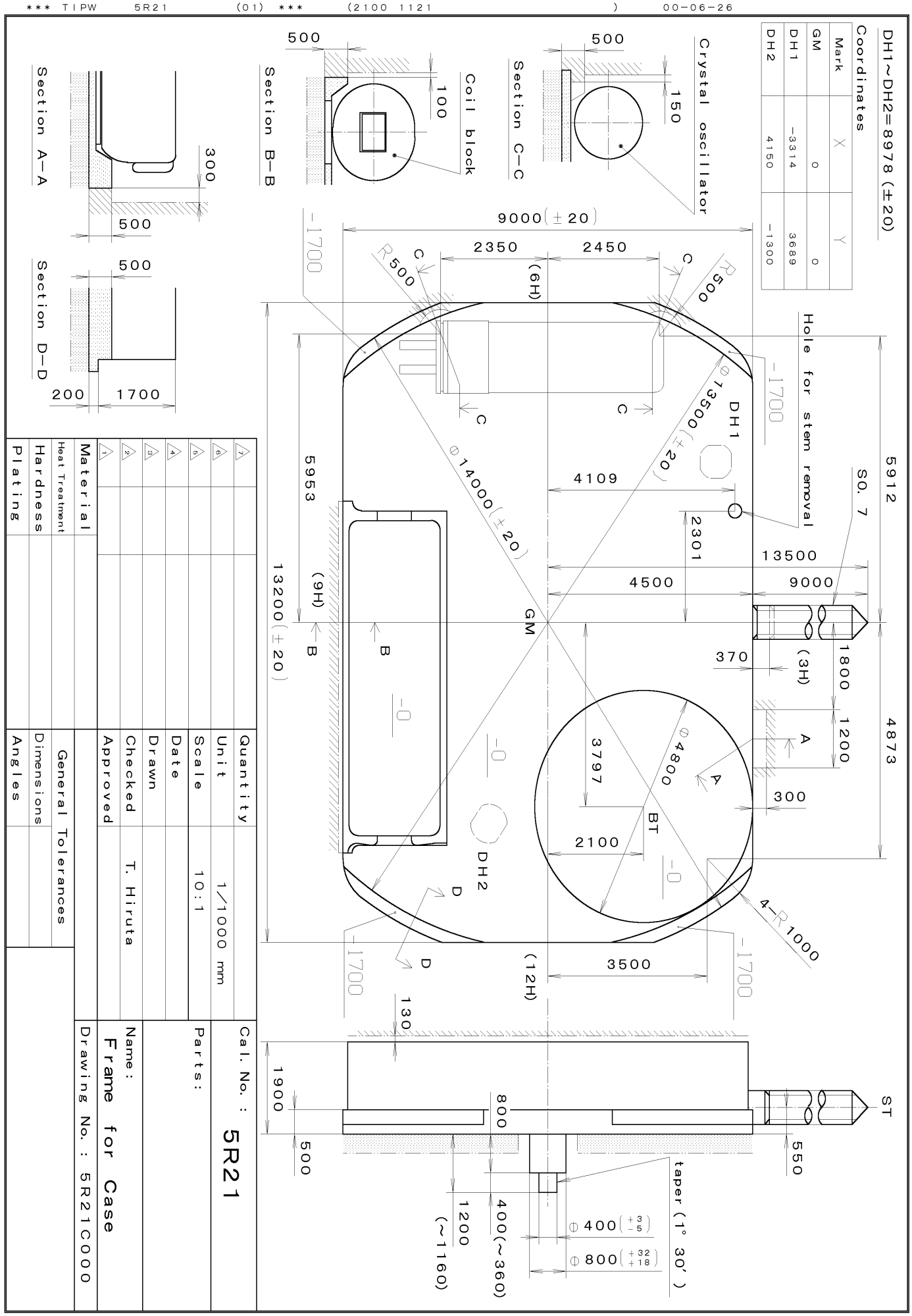
			Quantity		Cal. No. :
			Unit	1/1000 mm	
			Scale	20:1	Parts: 065–413
			Date		
			Drawn		
			Checked	T. Hiruta	Name: SETTING STEM
			Approved		
Material					Drawing No. : 4130S000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

xxx TIPW 065-413 (01) xxx (2100 1121) 00-06-22

MIYOTA

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

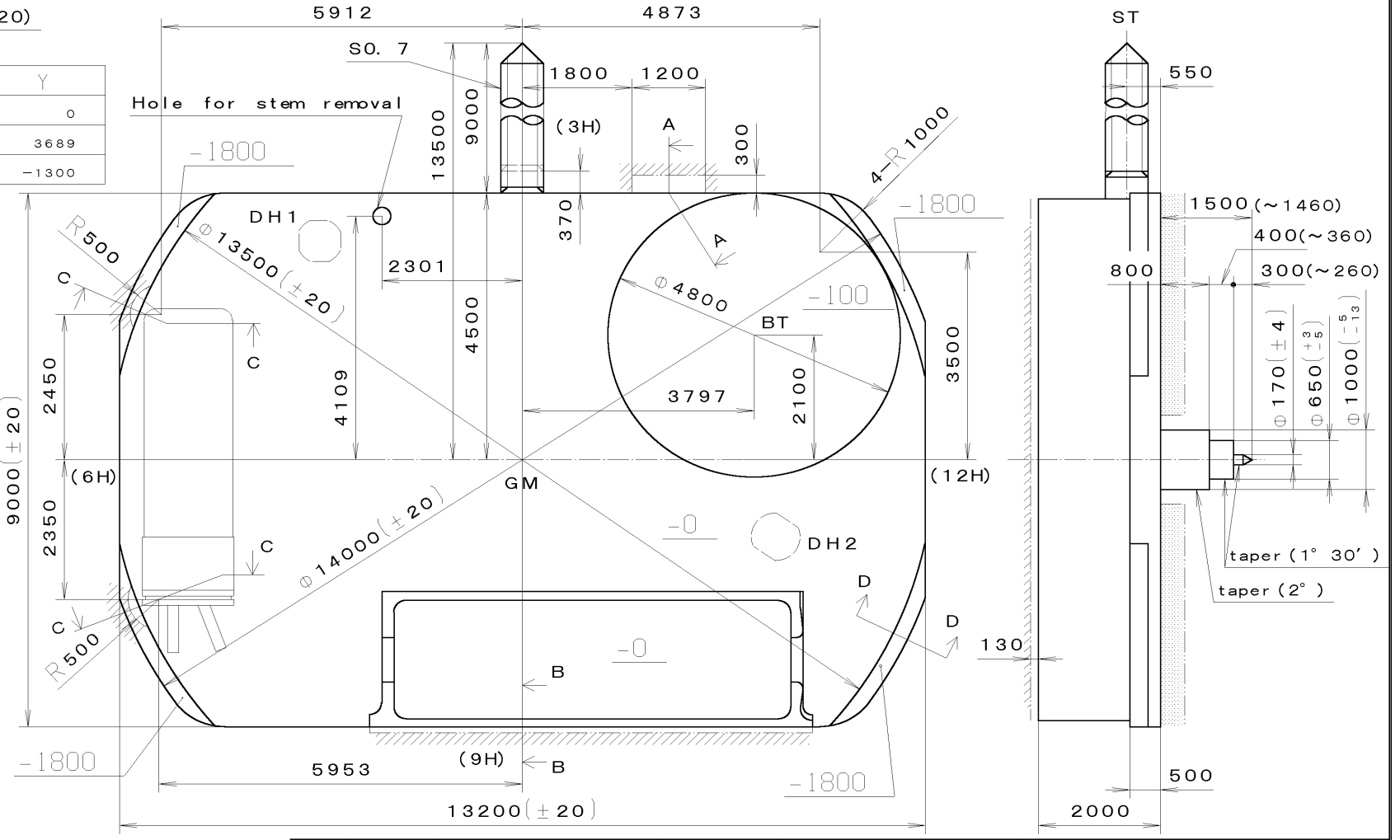
*** TIPW 5R21 (01) *** (2100 1121) 00-06-26



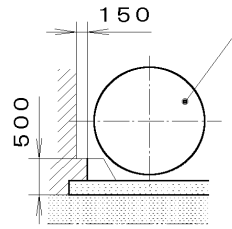
DH1~DH2=8978 (±20)

Coordinates

Mark	X	Y
GM	0	0
DH1	−3314	3689
DH2	4150	−1300

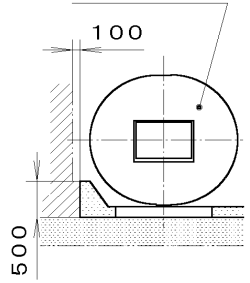


Crystal oscillator

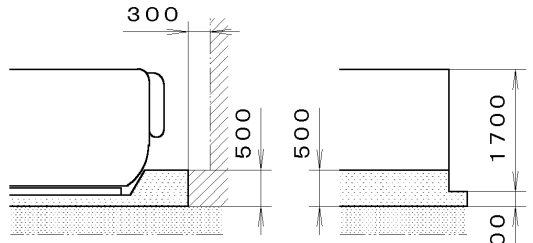


Section C−C

Coil block

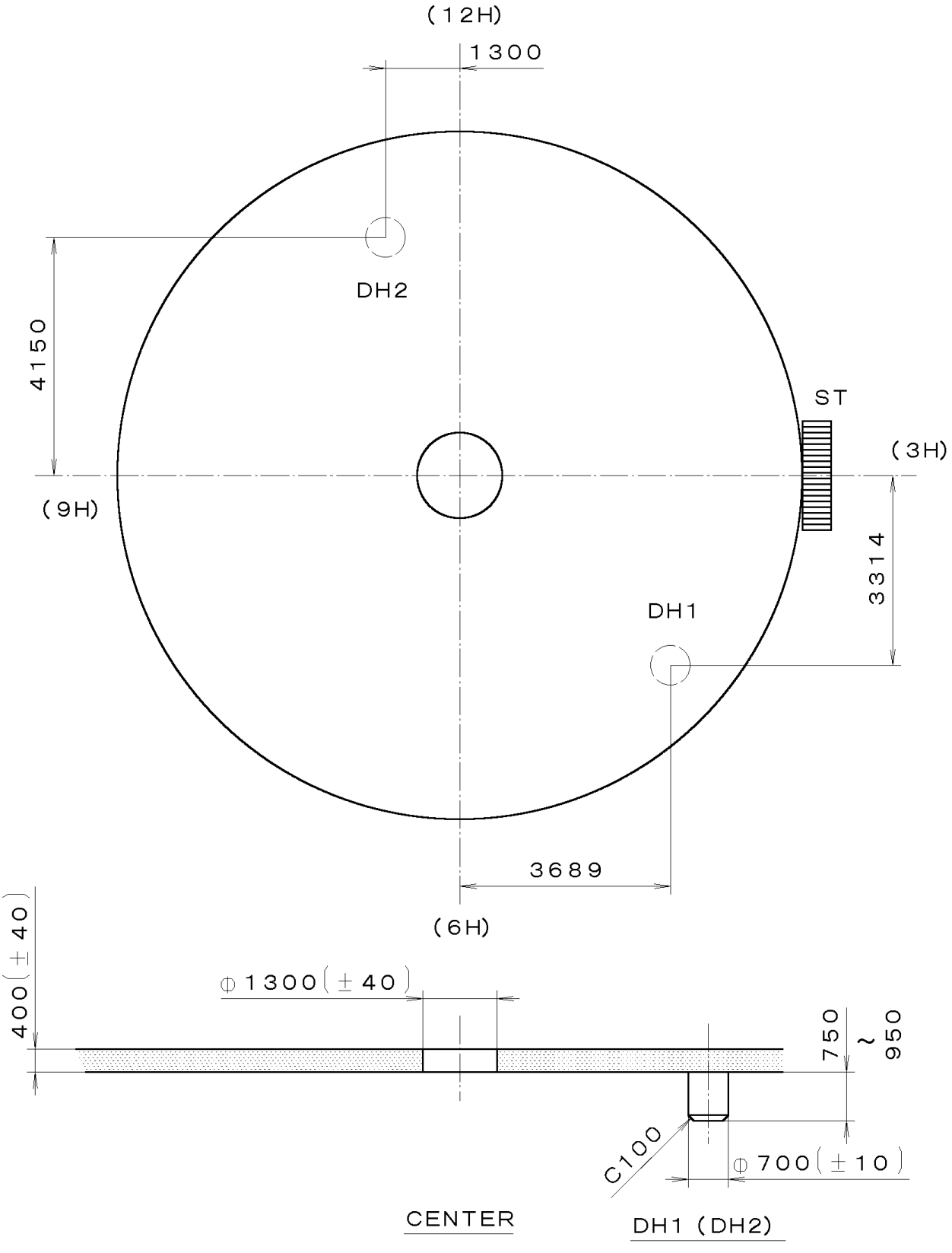


Section B−B



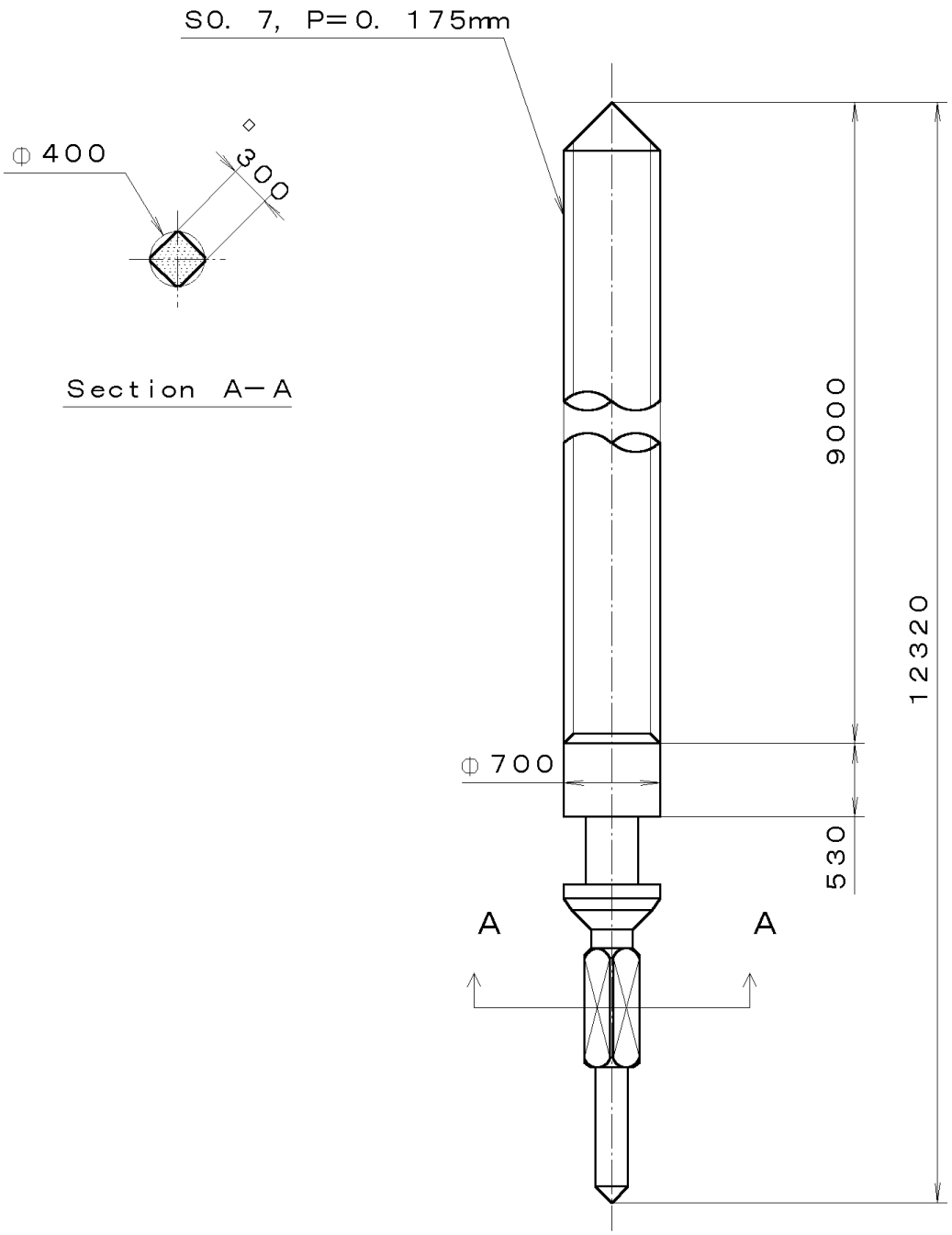
Section A−A　　Section D−D

7			Quantity		Cal. No. : 5R32
6			Unit	1/1000 mm	
5			Scale	10:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Frame for Case
1			Approved		
Material					Drawing No. : 5R32C000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		



7			Quantity		Cal. No. : 5R32−00A
6			Unit	1/1000 mm	
5			Scale	10:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Indications for Dial
1			Approved		
Material					Drawing No. : 5R32D000
Heat Treatment			General Tolerances		
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	20:1	Parts: 065−413
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: SETTING STEM
1			Approved		
Material					Drawing No. : 4130S000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

*** TIPW 065-413 (01) *** (2100 1121) 00-06-22