1L15 1L12 1L02

MIYOTA

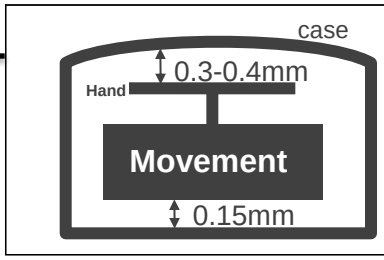
Size <ligne>	6 ¾ x8‴
Height <mm>	2.71(1L02 2.94)
Accuracy <per Month>	±20 sec
Battery Life	3 years

Battery consumption could be minimum by pulling out the stem (=**Power-Saving**)

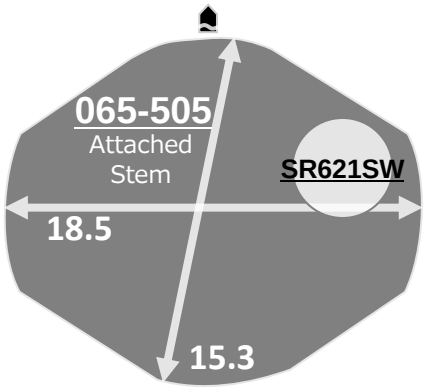
Balance Weight <μN.m>	Minute 0.40 Second 0.07

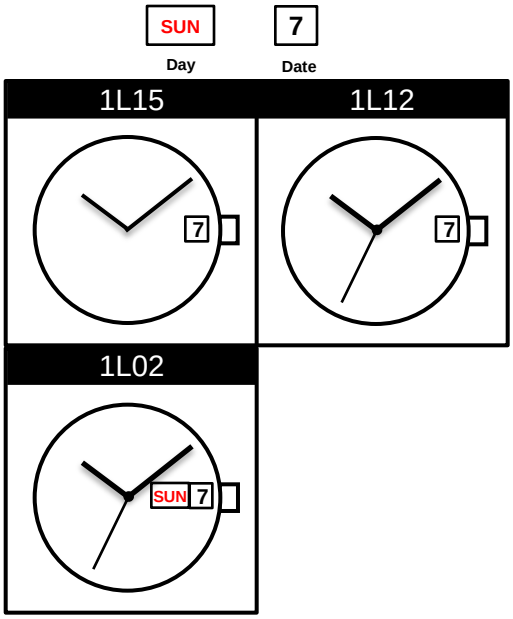
Featured by Shock Detection

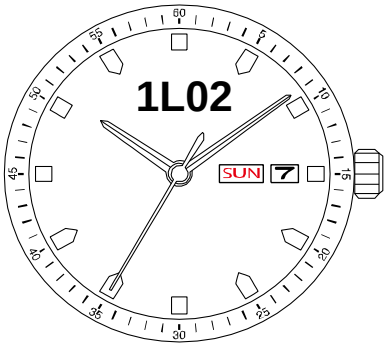
Clearance



Original Package	1,000 pcs







Setting the Time

Setting the Date and Day

DO NOT set Date between 9:00pm – 1:00am
DO NOT set Date between 11:15pm – 6:00am

MOVEMENT SPECIFICATIONS

CAL. **1L/M15 SERIES** 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	1L15	1M15
Ligne Size*mm	**6 x 8** **18.1 x 16.1 x 17.8**	**10-1/2** **23.3 x 22.6 x 22.6**
Total height	**2.71mm**	**2.71mm**
Hands	**2**	
Date	O	O
Day of Week	X	X
Battery life	**3 Year**	
Battery	**SR621SW** 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 : See above: JAPAN-MADE

(4) Others

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

(5) Additional Mechanisms & Features:

Quick Date Change by turning crown
Powercell Saving Reset Mechanism(PSRM)
Over-loading Compensation Device(OLCD)
Digital Frequency Control(DFC) for time adjustment

(6) Balanceable weight of hand

Minute hand Max. 0.4 N·m

2. SEPARATED PARTS

Setting stem	065-505
Length of movement center to stem end...	20.03mm
Thread.....	Φ0.9 x 11.68mm

3. Others

*** Measurement of time rate**

The unit(gate) time of measurement must be set at "10 sec." or integer fold value of 10 sec. 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 μm or more
Top of hands - Glass	300 - 400 μm *

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

*** Interchangeability of appearance components:**

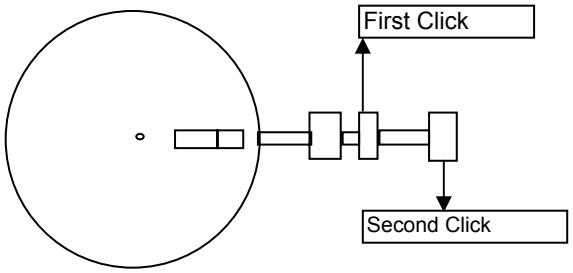
Dial Foot positon & the diameter	same as Cal. 20/21/6L/6M series*
Date window position	same as Cal. 20/21/6L/6M series*
Hands	same as Cal. 2035/20/21/6L/6M series

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

*How to set time and date:

Date -------- Pull out crown to the first click position,
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.

MIYOTA

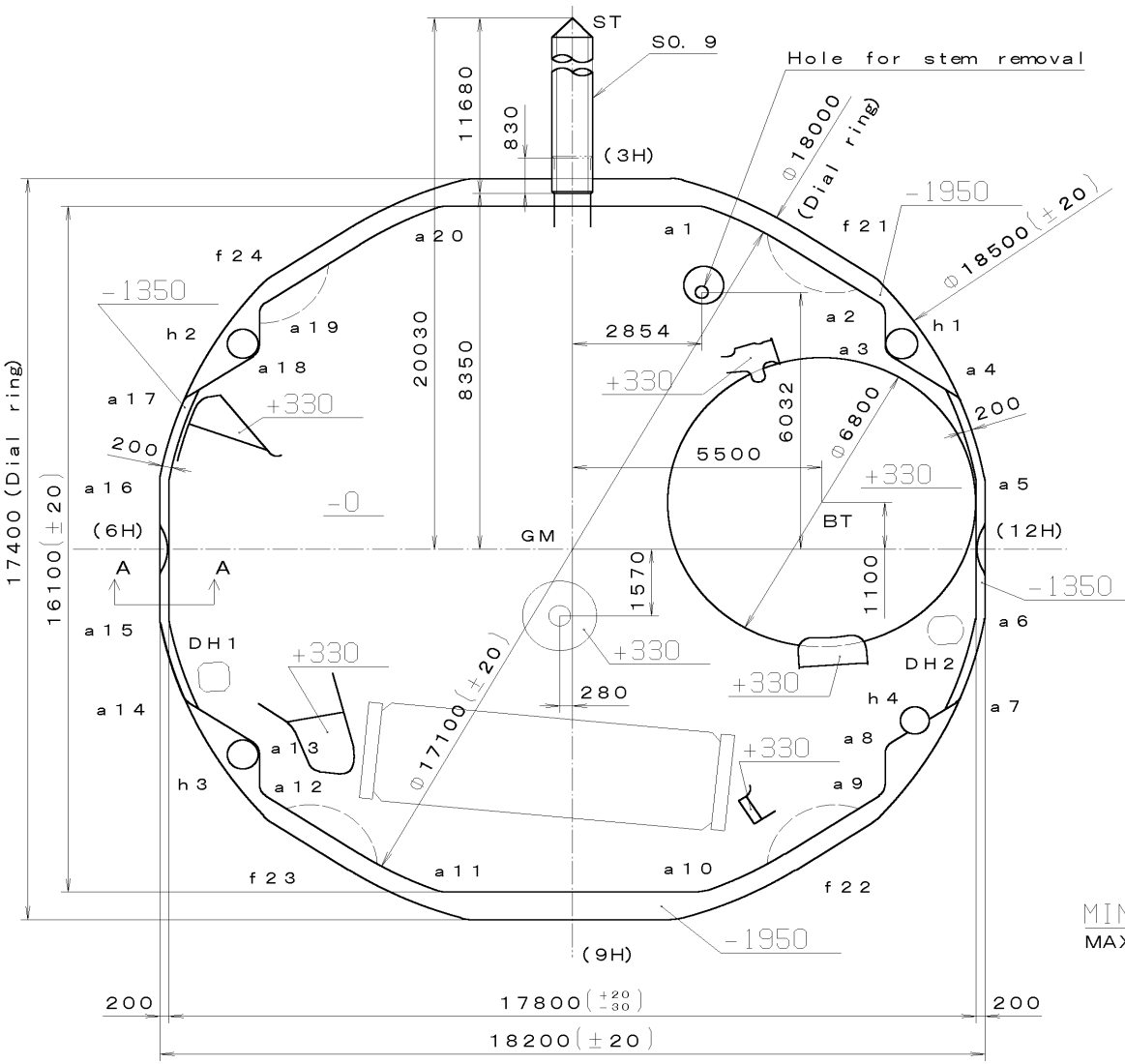
This drawing is provisional and subject to our reconfirmation and/or revision without notice.

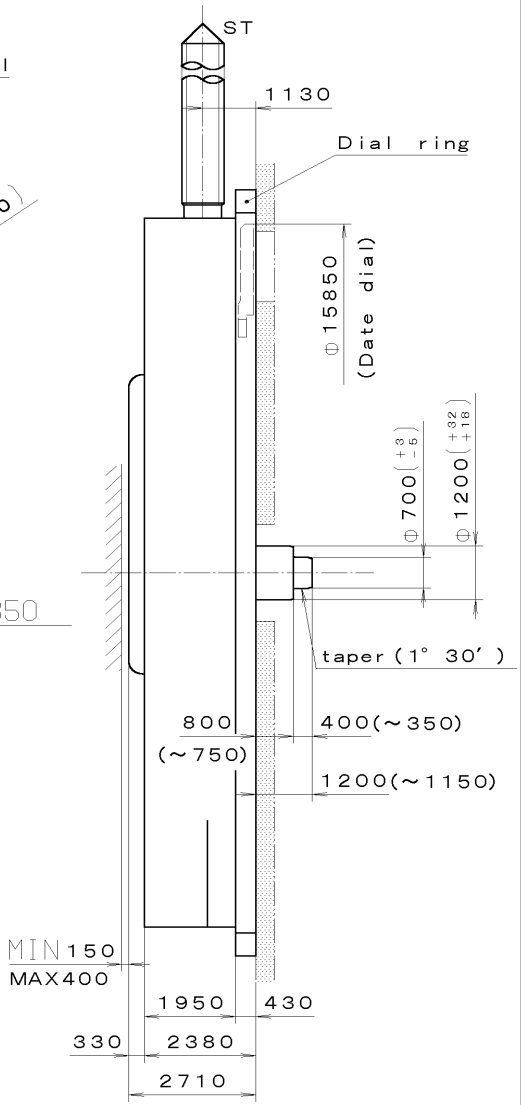
xxx TIPW 1L15 (01) xxx (2100 1121) 00-06-26

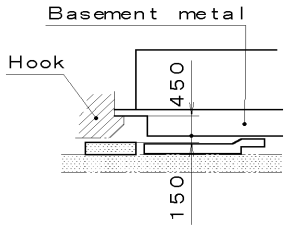
DH1～DH2＝16171 (±20)

Coordinates

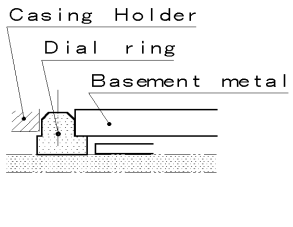
Mark	X	Y	R
GM	0	0	——
h1	7270	4825	350
h2	−7270	4825	350
h3	−7270	−4825	350
h4	7557	−4025	325
DH1	−7900	−3000	——
DH2	8234	−1900	——
a1	2793	7550	500
a2	6600	5539	300
a3	7200	4787	300
a4	8299	3350	300
a5	8800	1632	300
a6	8800	−1632	300
a7	8299	−3350	300
a8	7200	−4787	300
a9	6600	−5539	300
a10	2793	−7550	500
a11	−2793	−7550	500
a12	−6600	−5539	300
a13	−7200	−4787	300
a14	−8299	−3350	300
a15	−8800	−1632	300
a16	−8800	1632	300
a17	−8299	3350	300
a18	−7200	4787	300
a19	−6600	5539	300
a20	−2793	7550	500
f21	5788	7505	1500
f22	5788	−7505	1500
f23	−5788	−7505	1500
f24	−6864	6800	1500



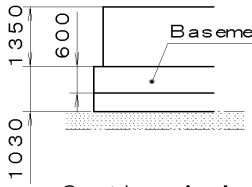




Section f21～f24



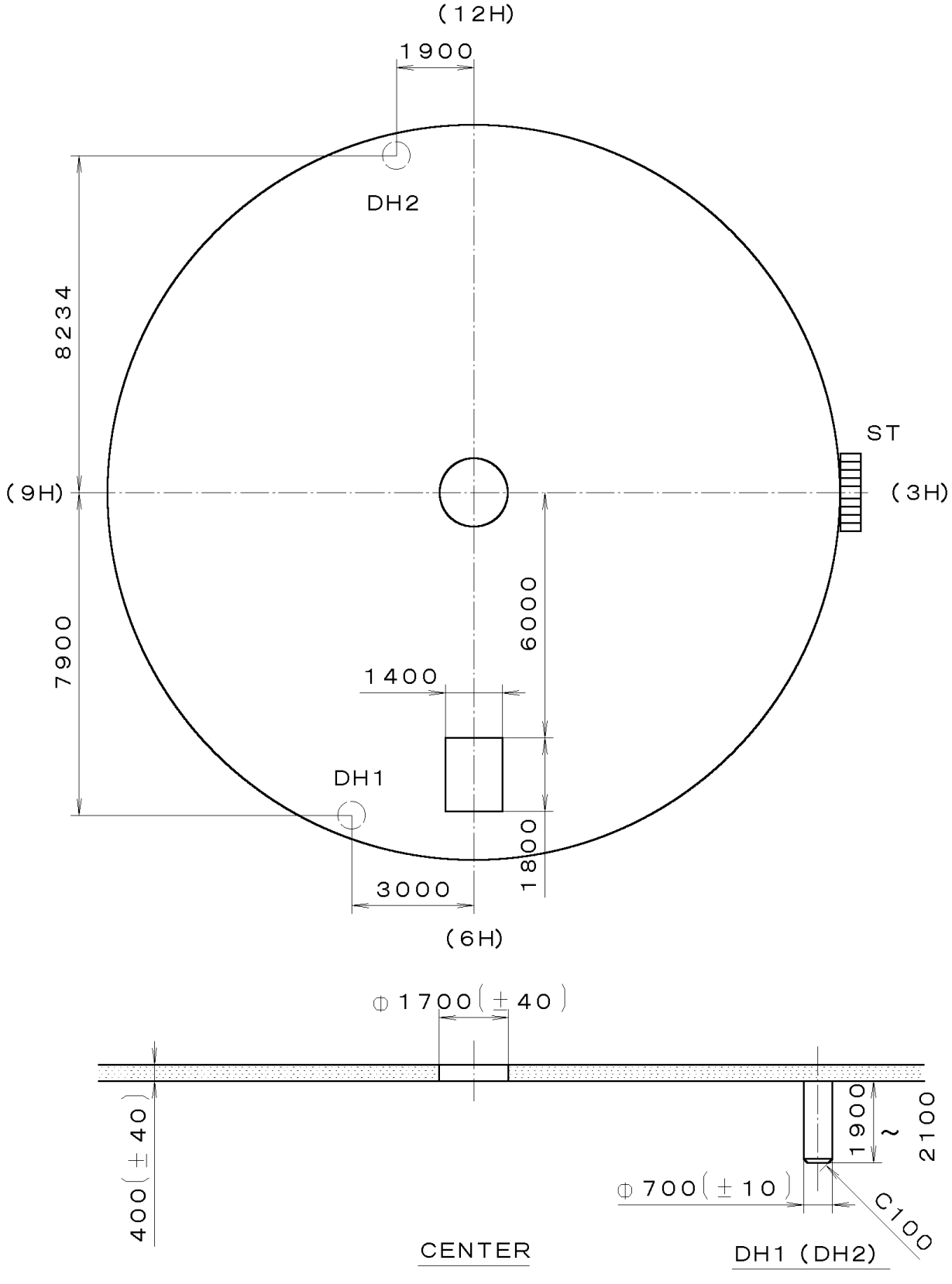
Section h1～h4



Section A−A

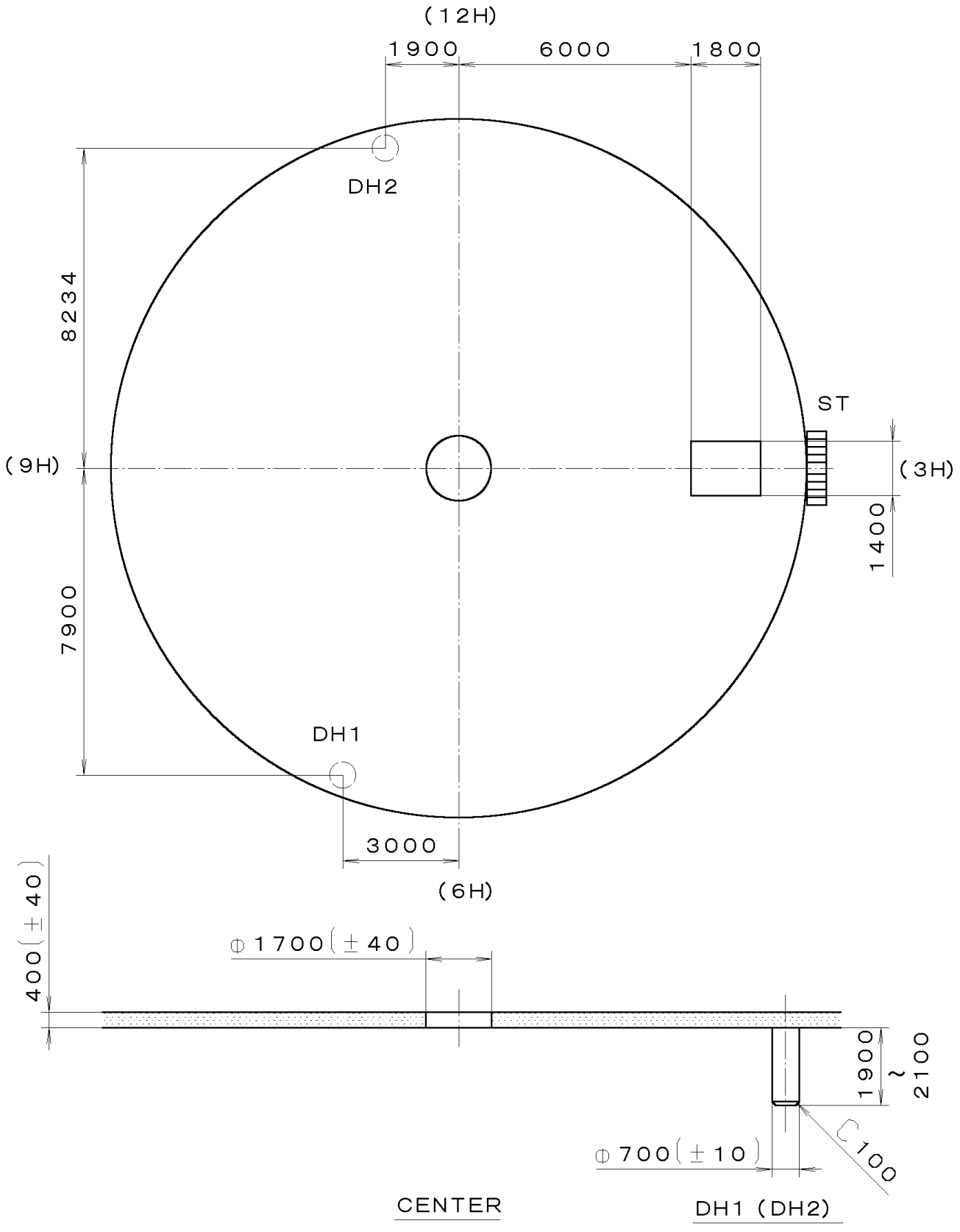
			Quantity		Cal. No. : 1L15
			Unit	1/1000 mm	
			Scale	9:1	Parts:
			Date		
			Drawn		
			Checked	T. Hiruta	Name: Frame for Case
			Approved		Drawing No. : 1L15C000
Material					
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

This drawing is provisional and subject to our reconfirmation and/or revision without notice.
*** TIPW 1L12-10Z (01) *** (2100 1121) 00-06-14



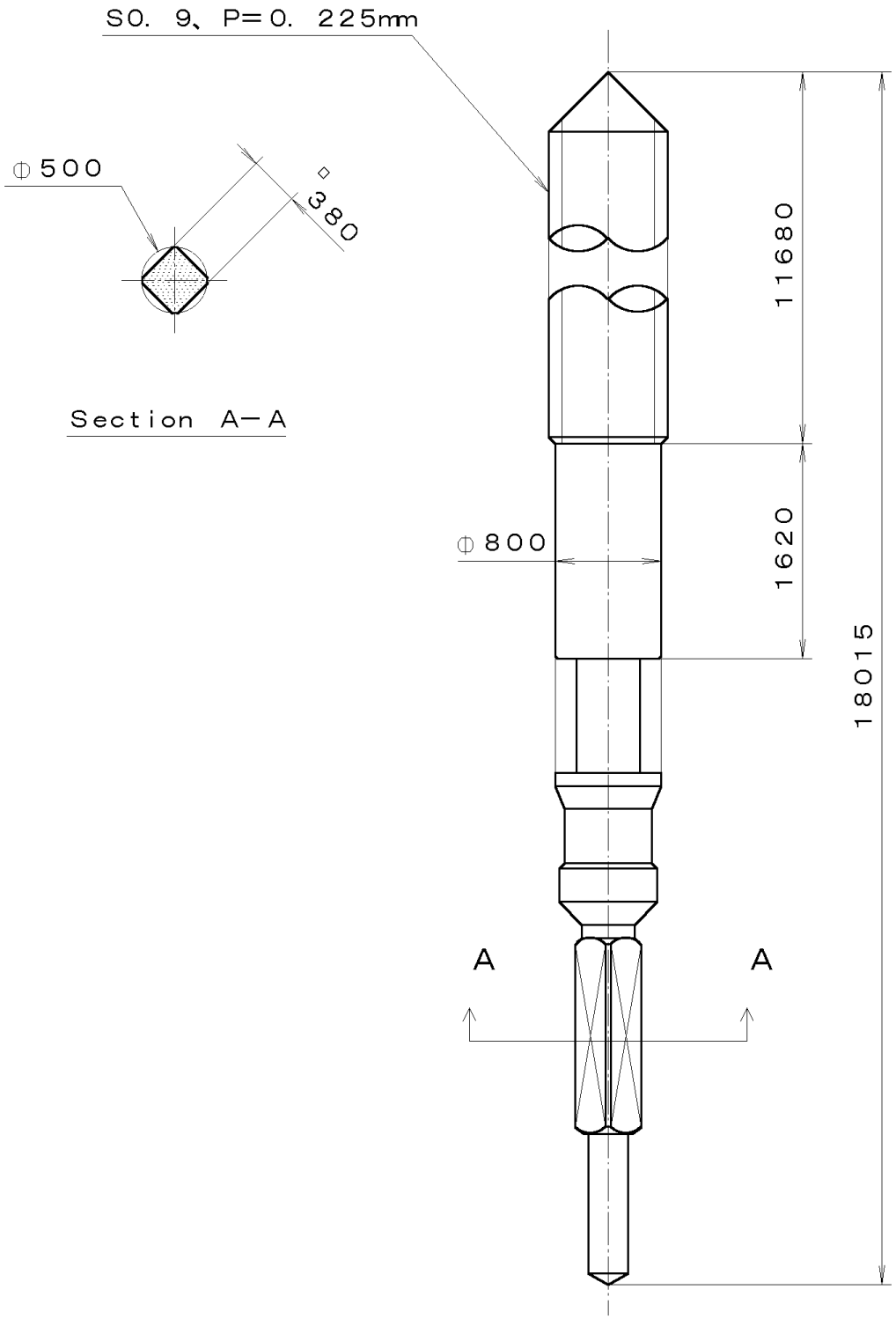
7			Quantity		Cal. No. : 1L12−10Z
6			Unit	1/1000 mm	
5			Scale	7:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Indications for Dial
1			Approved		
Material					Drawing No. : 1L12D000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

This drawing is provisional and subject to our reconfirmation and/or revision without notice.
*** TIPW 1L12-10A (01) *** (2100 1121) 00-06-16



7			Quantity		Cal. No. : 1L12−10A
6			Unit	1/1000 mm	
5			Scale	7:1	Parts:
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: Indications for Dial
1			Approved		
Material					Drawing No. : 1L12D010
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—505
4			Date		
3			Drawn		
2			Checked	T. Hiruta	Name: SETTING STEM
1			Approved		
Material					Drawing No. : 5050S000
Heat Treatment			General Tolerances		
Hardness			Dimensions		
Plating			Angles		

*** TIPW 065-505 (01) *** (2100 1121 A-01 A-01) 00-06-22

***** CAL. 1LMNS SERIES MOVT PART LIST *****

ORIGINAL PARTS, MADE IN JAPAN

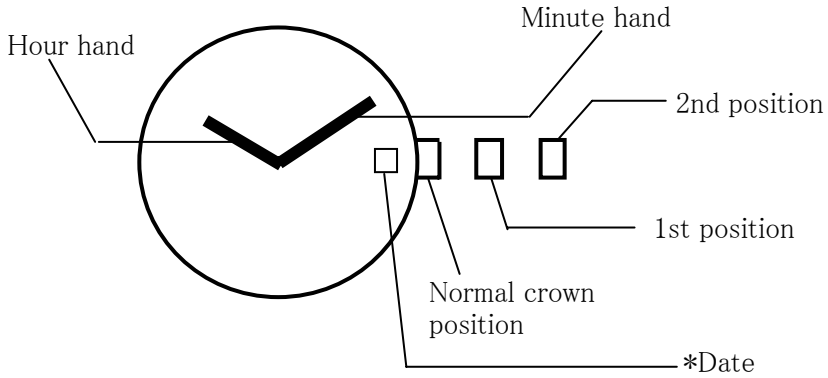
PART NAME	1L22	1L32	1L02	1L12	1L15	1M02	1M12	1M15	1N12	1S02	1S13
BATTERY	280-730	280-340	280-340	280-340	280-340	280-340	280-340	280-340	280-730	280-340	280-340
BATTERY CONNECTOR	231-368	231-368	231-368	231-368	231-368	231-368	231-368	231-368	231-368	231-368	231-368
BATTERY INSULATOR	230-220	230-220	230-220	230-220	230-220	230-220	230-220	230-220	230-220	230-220	230-220
CALENDAR CORRECTOR INT. WHEEL	----	----	087-184	087-184	087-184	087-184	087-184	087-184	087-184	087-184	087-184
CALENDAR CORRECTOR LEVER	----	----	116-112	116-112	116-112	116-112	116-112	116-112	116-112	116-112	116-112
CALENDAR CORRECTOR WHEEL	----	----	213-410	213-410	----	213-410	213-410	213-410	213-410	213-410	213-410
CANNON PINION WITH DRV. WHEEL	028-287	028-281	028-282	028-288	028-292	028-282	028-288	028-292	028-288	028-313	028-327
CLUTCH WHEEL	064-790	064-790	064-790	064-790	064-790	064-790	064-790	064-790	064-790	064-790	064-790
COIL UNIT	246-181	246-181	246-181	246-181	246-181	246-181	246-181	246-181	246-181	246-181	246-181
DATE DIAL DRIVING WHEEL	----	----	103-111	103-111	103-111	103-111	103-111	103-111	103-111	103-111	103-111
DATE DIAL GUARD	----	----	293-102	293-103	293-103	293-102	293-103	293-103	293-103	293-103	293-103
DATE DIAL(DATE DISC)	----	----	108-870	108-E50	108-E50	108-E40	108-E60	108-E60	108-E70	108-C80	108-C90
DATE JUMPER	----	----	109-500	109-500	109-500	109-500	109-500	109-500	109-500	109-500	109-500
DAY DIAL GIB	----	----	178-140	----		178-140	----		----	178-140	----
DAY OF WEEK DIAL(WEEKDAY DISC)	----	----	308-548A	----		308-588A	----		----	308-A100	----
DIAL GUARD	----	----	713-112	713-112	713-112	713-112	713-112	713-112	713-112	713-112	713-112
DIAL GUARD RING	----	----	110-420	110-430	110-430						
DIAL WASHER	078-040	078-040	----	----		----	----		----	----	----
ELECTRONIC CIRCUIT UNIT	279-A460	279-A45(	279-A450	279-A450	279-A45(	279-A45(	279-A45(	279-A450	279-A450	279-A450	279-A450
FIFTH WHEEL AND PINION	084-700	084-700	084-700	084-700	084-700	084-700	084-700	084-700	084-700	084-700	084-700
FOURTH WHEEL AND PINION	023-318	023-322	023-323	023-327	023-328	023-323	023-327	023-328	023-327	023-353	023-381
HOUR WHEEL	075-446	075-446	075-454	075-455	075-455	075-454	075-455	075-455	075-455	075-509	075-515
MINUTE WHEEL AND PINION	072-121	072-121	072-121	072-121	072-121	072-121	072-121	072-121	072-121	072-121	072-121
ROTOR	285-175	285-175	285-175	285-175	285-175	285-175	285-175	285-175	285-175	285-175	285-175
SCREW	923-107	923-107	923-107	923-107	923-107	923-107	923-107	923-107	923-107	923-107	923-107
SCREW (2)	923-112	923-112	923-112	923-112	923-112	923-112	923-112	923-112	923-112	923-112	923-112
SCREW FOR DIAL GUARD(3)	----	----	929-510	929-510	929-510	929-510	929-510	929-510	929-510	929-510	929-510
SETTING LEVER	067-194	067-194	067-173	067-173	067-173	067-173	067-173	067-173	067-173	067-173	067-173
SETTING LEVER SPRING	077-135	077-135	077-135	077-135	077-135	077-135	077-135	077-135	077-135	077-135	077-135
SETTING STEM	065-477	065-477	065-505	065-505	065-505	065-505	065-505	065-505	065-505	065-505	065-505
SETTING WHEEL	076-640	076-640	076-640	076-640	076-640	076-640	076-640	076-640	076-640	076-640	076-640
SPACER FOR SETTING STEM	212-239	212-239	212-241	212-241	212-241	212-241	212-241	212-241	212-273	212-241	212-241
STATOR	190-152	190-152	190-152	190-152	190-152	190-152	190-152	190-152	190-152	190-152	190-152
THIRD WHEEL AND PINION	017-151	017-149	017-149	017-149	017-149	017-149	017-149	017-149	017-149	017-149	017-149
TRAIN WHEEL BRIDGE	701-E17	701-E20	701-E12	701-E13	701-E15	701-E22	701-E23	701-E25	701-E17	701-E20	701-E20
YOKE	071-136	071-136	071-136	071-136	071-136	071-136	071-136	071-136	071-136	071-136	071-136
***LONGER STEM(21mm)	065-506	065-506	065-506	065-506	065-506	065-506	065-506	065-506	065-506	065-506	065-506
***LONGER STEM(24mm)	065-508	065-508	065-508	065-508	065-508	065-508	065-508	065-508	065-508	065-508	065-508

INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT

CALIBER NO. ****
BATTERY:

INSTRUCTION MANUAL

A)DISPLAY



*Date position may be located at different position depends on models.

B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. Push the crown back to the normal position.

C) SETTING THE DATE

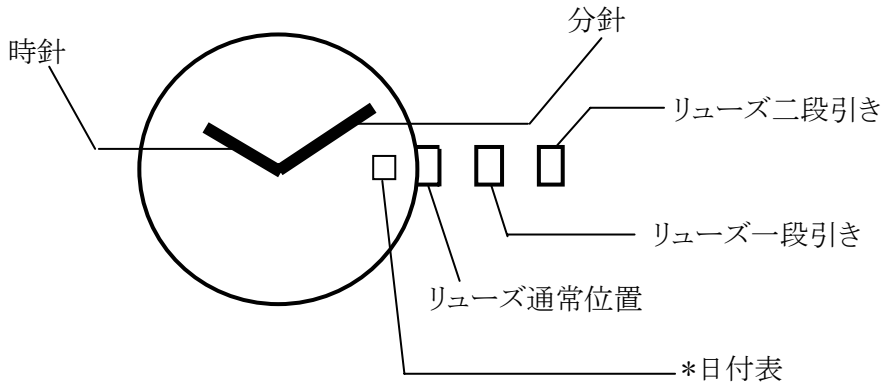
1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
   * If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change the following day.
3. After the date has been set, push the crown back to the normal position.

MIYOTAウォッチムーブメント取扱説明書

キャリバーNO. ****
電池:

取扱説明書

A)表示



*モデルによって日付表示の位置が異なる場合があります。

B) 時刻調整

1. リューズを二段引きして下さい。
2. リューズを回転させて時針と分針を調整して下さい。
3. 時刻調整終了後、リューズを通常位置に戻して下さい。

C) 日付調整
1. リューズを一段引きして下さい。
2. リューズを反時計回りに回転して日付を調整して下さい。
   * 時針が午後9時から午前1時を指している時に、日付調整を行うと
   日付が切り替わらない場合がありますので、時針が上記の時間帯以外を
   指した状態で日付調整を行って下さい。
3. 日付調整終了後、リューズを通常位置に戻して下さい。