

Watch Movement Specification and Drawing

Dual Time Movement

VD34B



Movement Size: **12 ³/₄"**
Diameter: **Φ29.50mm**
Height: **3.97mm**

Items	Ver.	Items	Ver.
Specification	1		
Appearance	1		
Casing	1		
Hand Fitting	2		
Hand Setting Stem	1		
Dial	1		
Assembly Plan - 1	1		
Assembly Plan - 2	1		
Hands	1		

CAL.VD34B 12¼ Ligne Quartz Movement

Three Hands with 3 Eyes

Small Dual Time of 12 Hour & 60 Minute, 24 Hour Indicator Hands

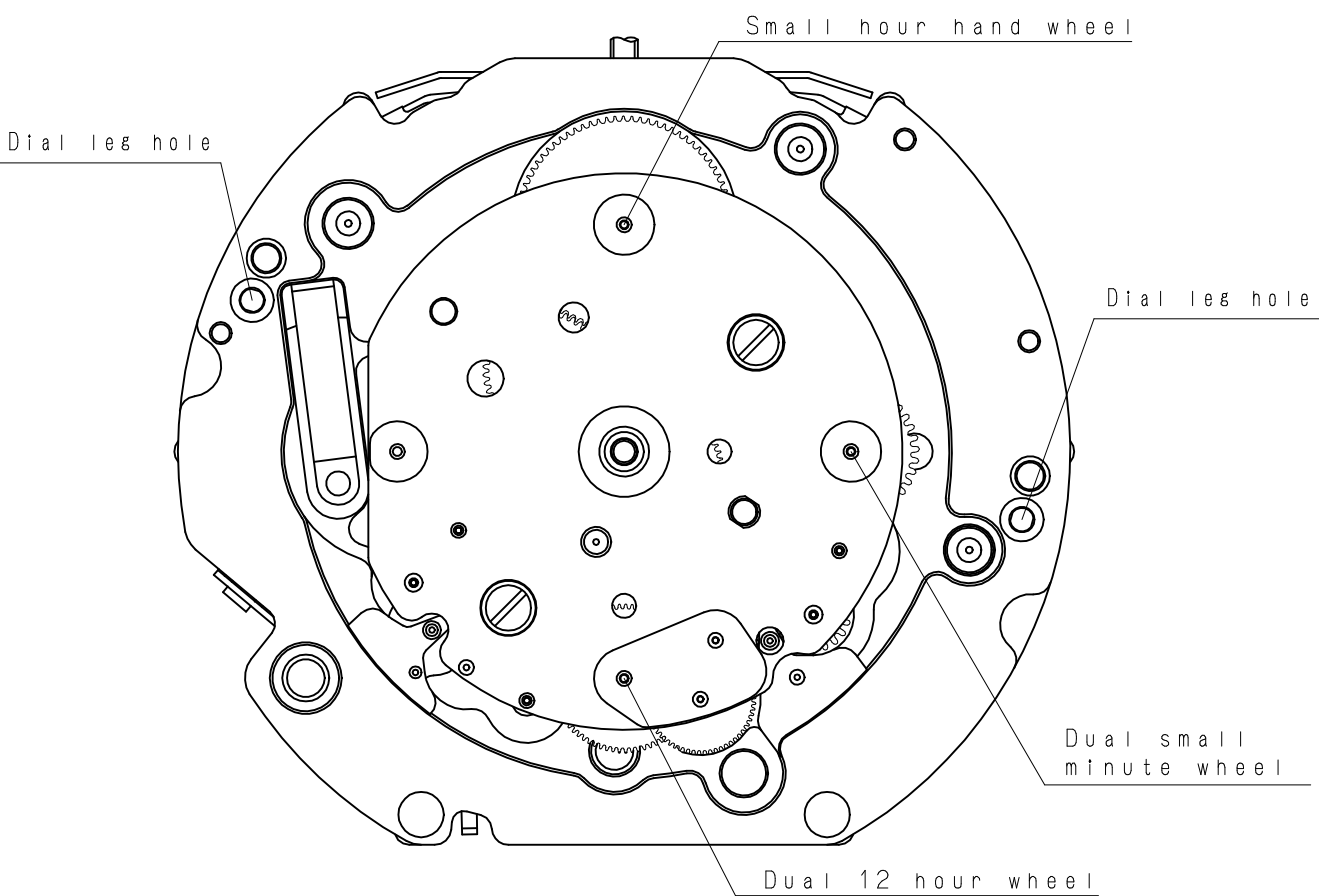
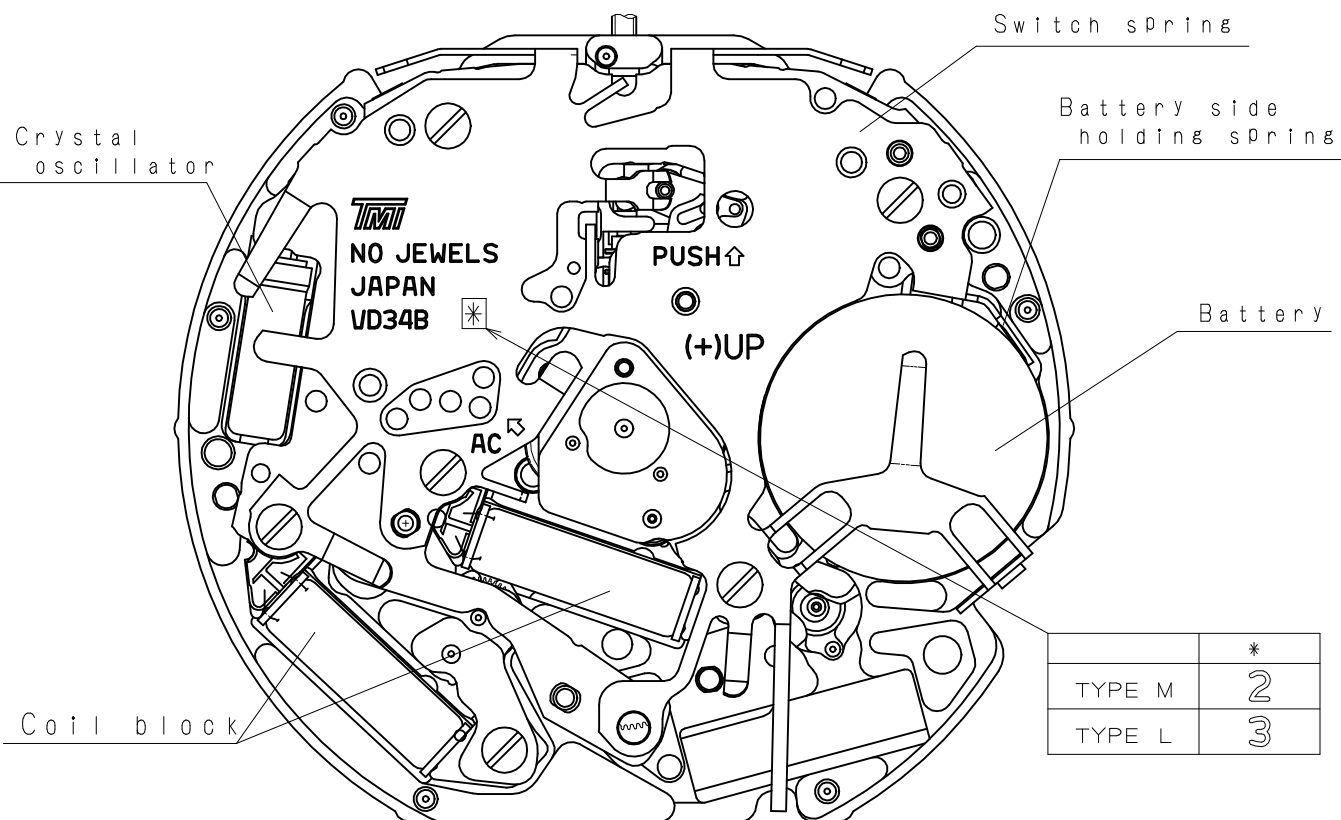
1. FUNCTION

- | | | |
|------------------------------|---|--|
| · Jewel | 0 jewel | |
| · Accuracy | Less than ± 20 seconds / month (Normal temperature range) | |
| · Battery life | Approx. 3 years | |
| · Regulation hands unbalance | Hour hand | : Less than $0.60 \mu\text{N}\cdot\text{m}$ (60 mg·mm) |
| | Minute hand | : Less than $0.90 \mu\text{N}\cdot\text{m}$ (90 mg·mm) |
| | Second hand | : Less than $0.09 \mu\text{N}\cdot\text{m}$ (9 mg·mm) |
| | Small dual time hands | : Less than $0.05 \mu\text{N}\cdot\text{m}$ (5 mg·mm) |
| | Small 24 hour indicator hand | : Less than $0.07 \mu\text{N}\cdot\text{m}$ (7 mg·mm) |
| · The moment of inertia | Small 24 hour indicator hand (Disc hand) | : Less than $400 \text{ mg}\cdot\text{mm}^2$ |
| · Additional function | Regulator dual time (12 hour, 60 minute) | |
| | 24 hour indicator (Synchronized regular hour hand) | |

2. USE AND TEST CONDITION

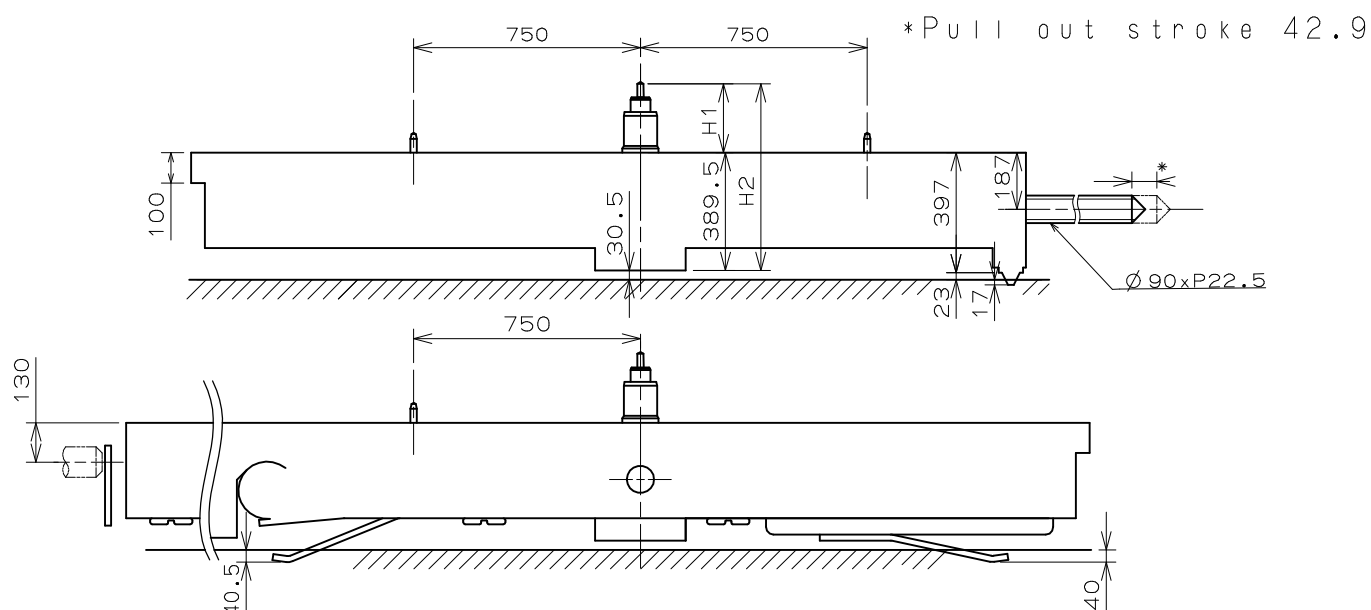
- | | | |
|-------------------------------|--|------------------------------------|
| · Battery | SR920SW | (Recommended battery is SEIZAIKEN) |
| · Operation temperature range | From $-5\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$ | |
| · Antimagnetic | $\geq 1600 \text{ A / m}$ | (Direct current magnetic field) |
| · Test of accuracy | 10 seconds | (Duration of measurement) |

*** All specifications are subject to change without notice.**



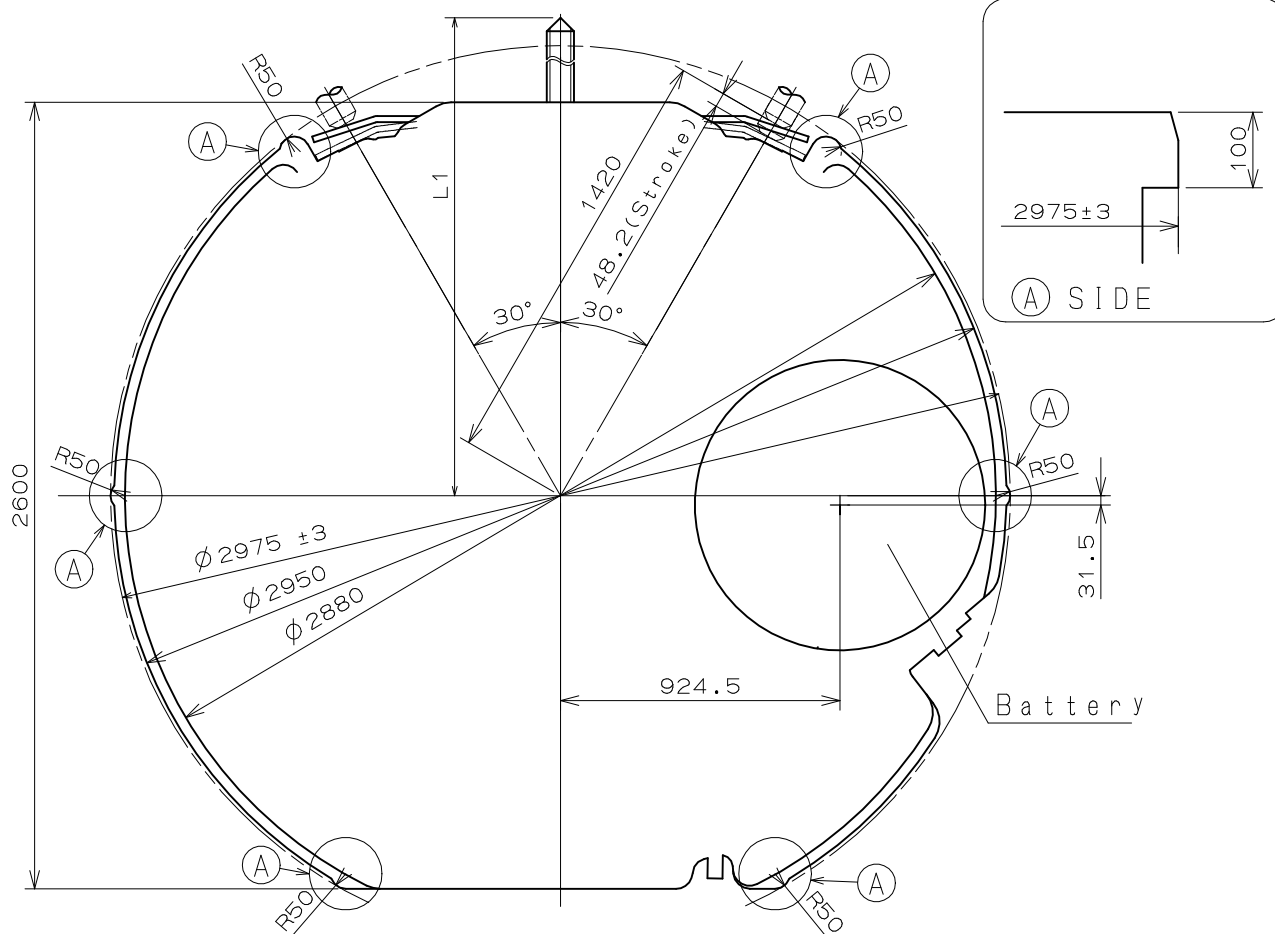
Casing

VD34B



Center post 中心柱位		TYPE M 一般針高	TYPE L 高針
Maximum height from main plate surface 與機芯平面的最大高度	H 1	228	273
Total height incl. movement 機芯總高度	H2	617.5	662.5

Hand Setting Stem	TYPE A
L 1	2365



Unit : 1=1/100mm

Version : 1

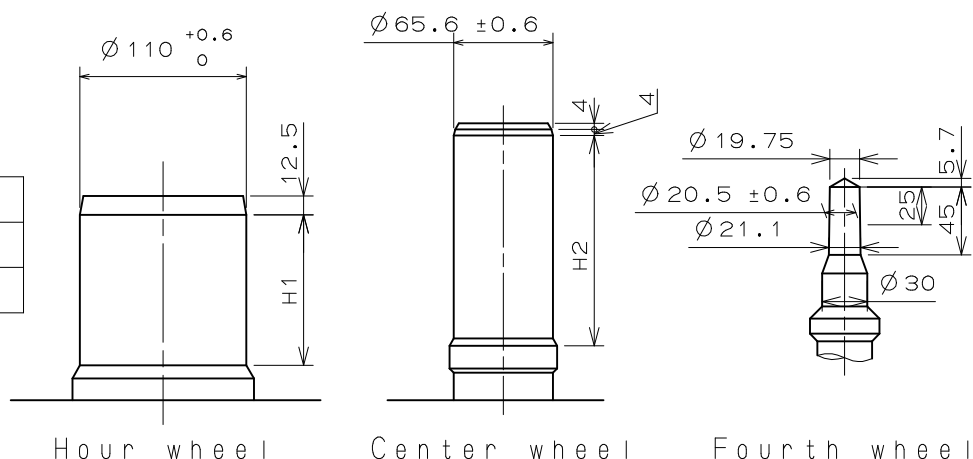
※Unbalance

- Hour hand $\leq 0.6 \mu\text{N} \cdot \text{m} (60\text{mg} \cdot \text{mm})$
- Minute hand $\leq 0.9 \mu\text{N} \cdot \text{m} (90\text{mg} \cdot \text{mm})$
- Second hand $\leq 0.09 \mu\text{N} \cdot \text{m} (9\text{mg} \cdot \text{mm})$
- Dual time hand $\leq 0.05 \mu\text{N} \cdot \text{m} (5\text{mg} \cdot \text{mm})$
- Small hour hand $\leq 0.07 \mu\text{N} \cdot \text{m} (7\text{mg} \cdot \text{mm})$

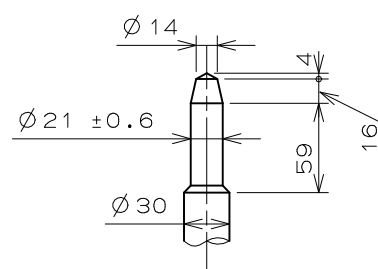
※Movement of inertia

- Small hour indicator $\leq 0.4 \mu\text{g} \cdot \text{m}^2 (400\text{mg} \cdot \text{mm}^2)$ (Disc hand available)

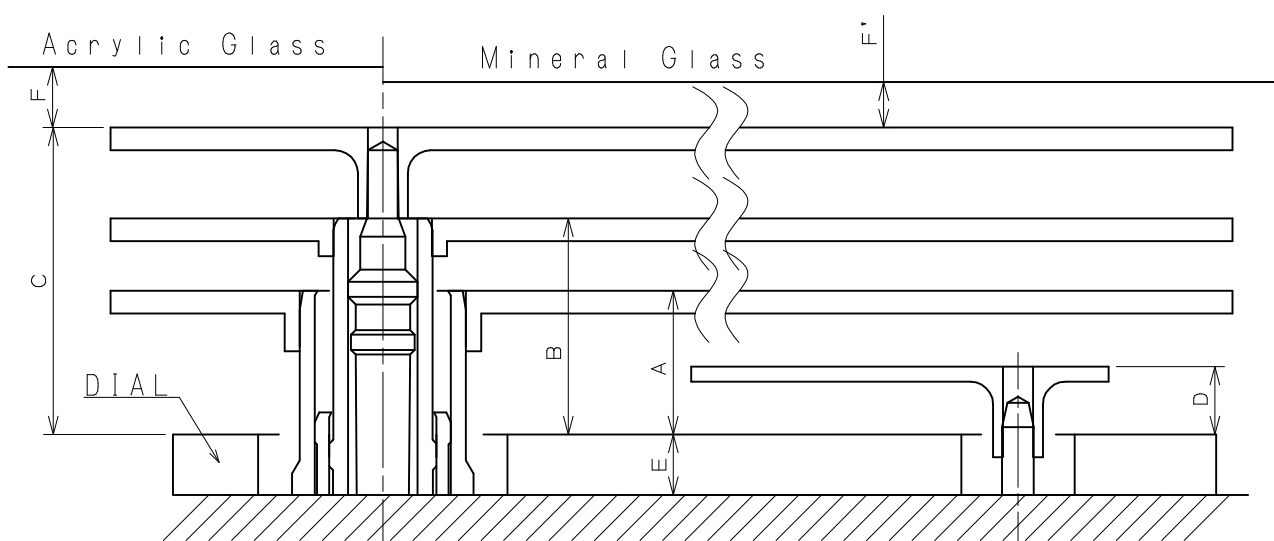
	H1	H2
TYPE M 一般針高	99.5	141
TYPE L 高針	144.5	186



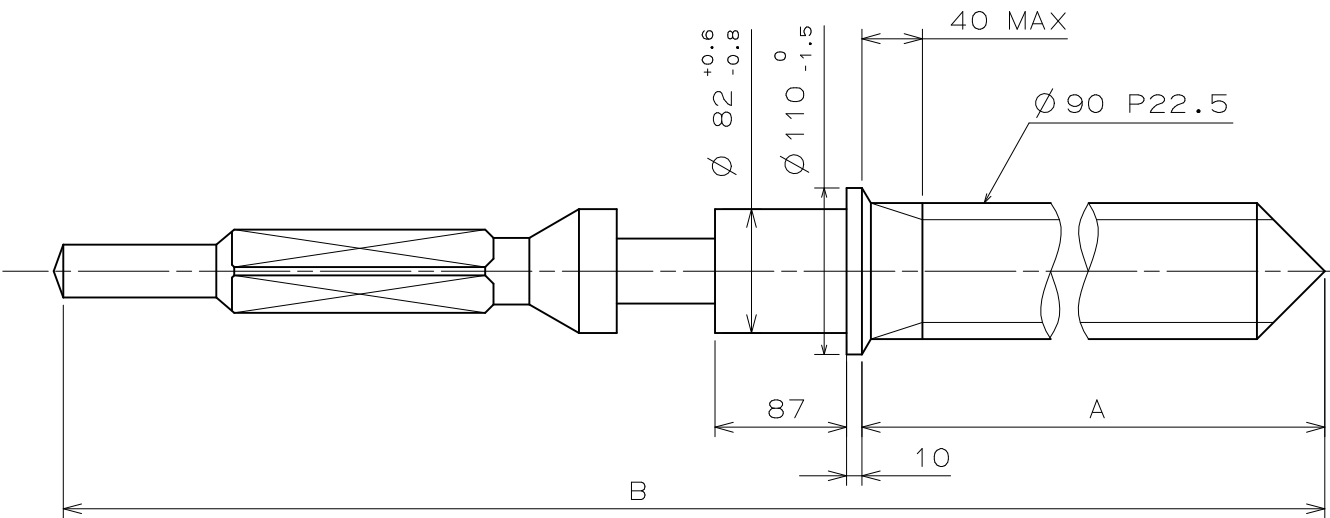
Part name		Part No.	
		TYPE M 一般針高	TYPE L 高針
Hour wheel	時針輪	0271 406	0273 036
Center wheel	分針輪	0221 205	0221 204
Fourth wheel	秒針輪	0241 177	0241 480
Small hour hand wheel	小時針輪	0157 130	0150 035
Dual 12 hour wheel	兩地時間12小時針輪	0902 015	0902 003
Dual small minute wheel	兩地時間小分針輪	0888 013	0888 010



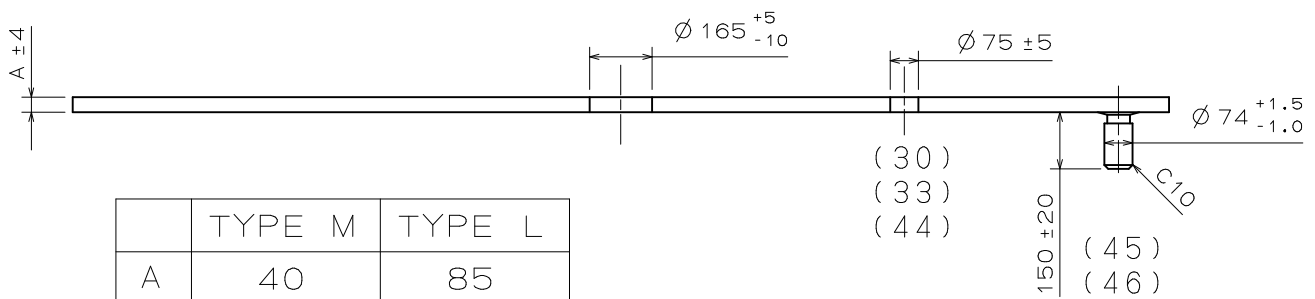
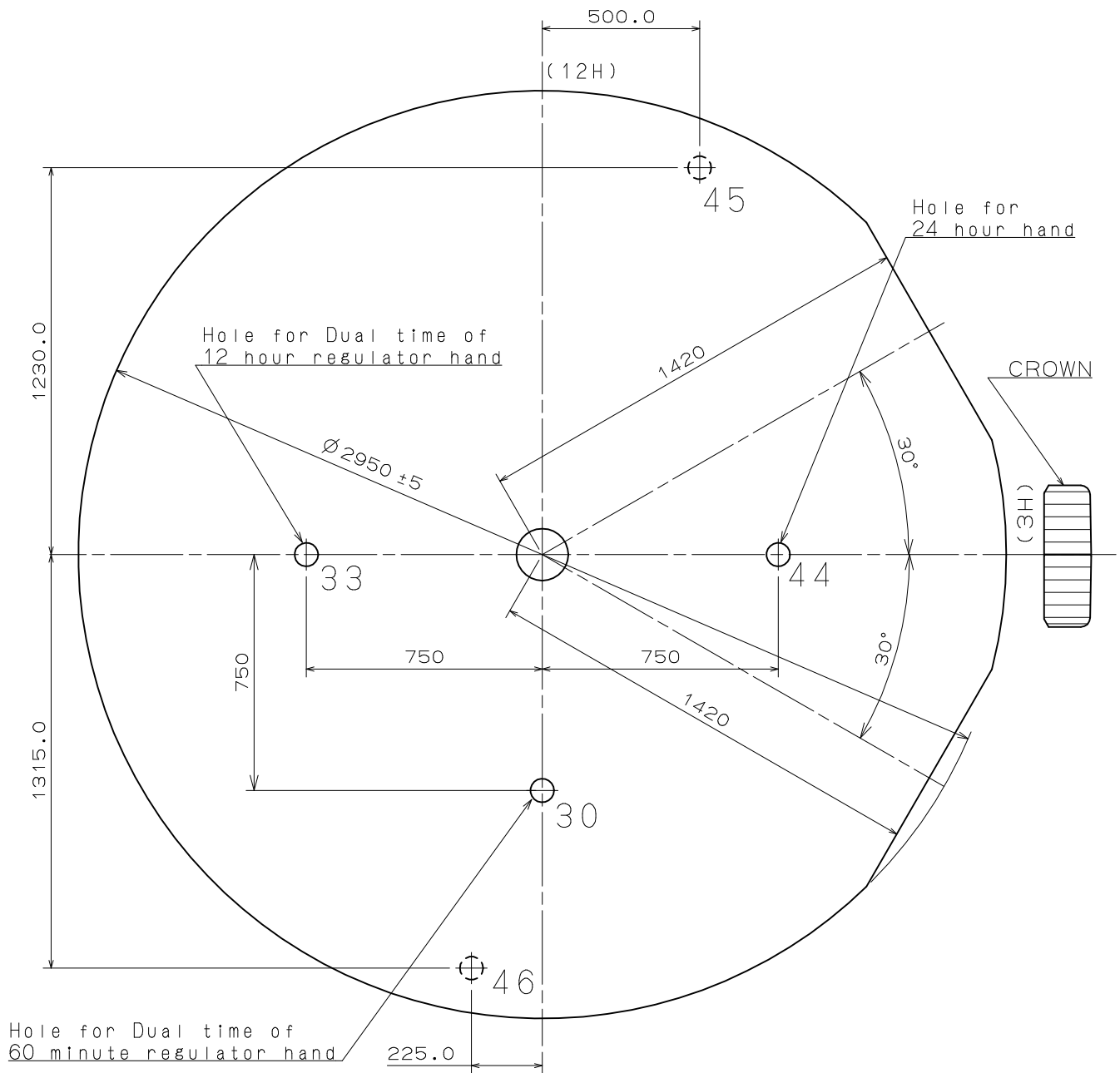
Small hour hand wheel
Dual 12 hour wheel
Dual small minute wheel

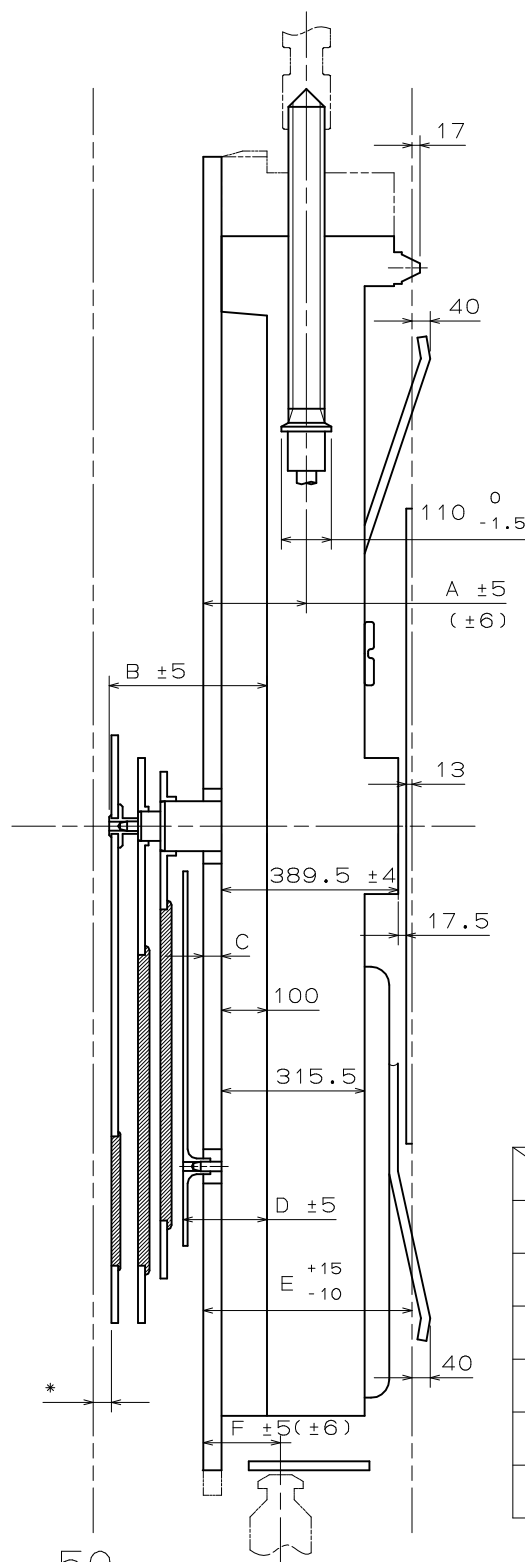


	A	B	C	D	E	F	F'
TYPE M 一般針高	95	143	203	45	40	50	40
TYPE L 高針	95	143	203	45	85	50	40



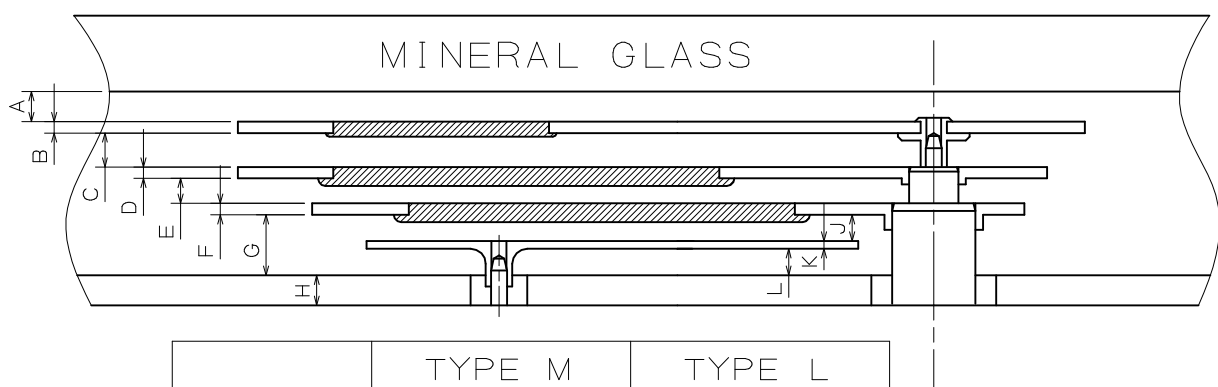
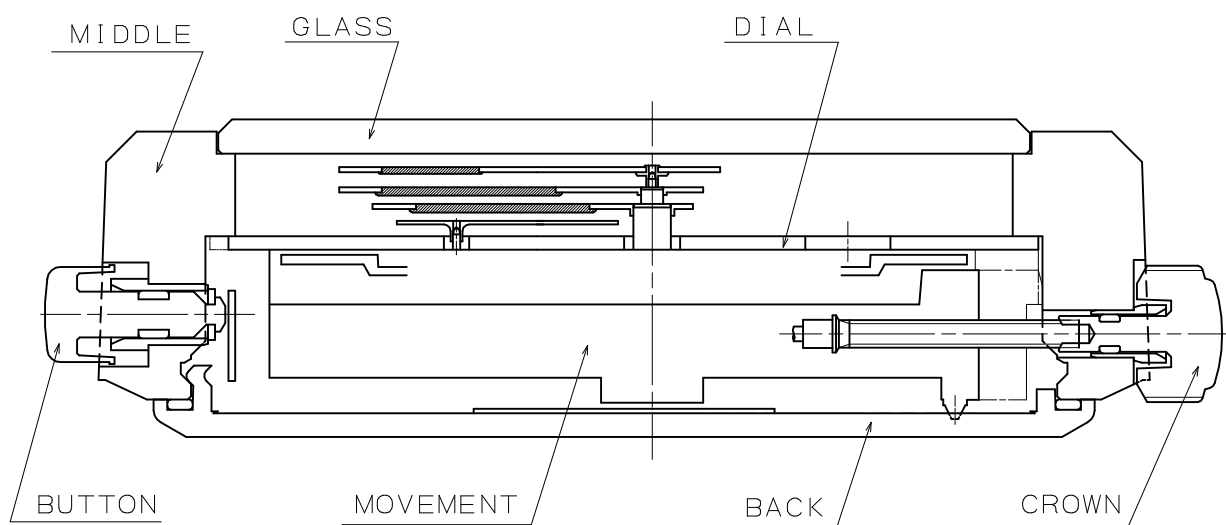
	Part No.	A	B
TYPE A	0351 178	1508	2036



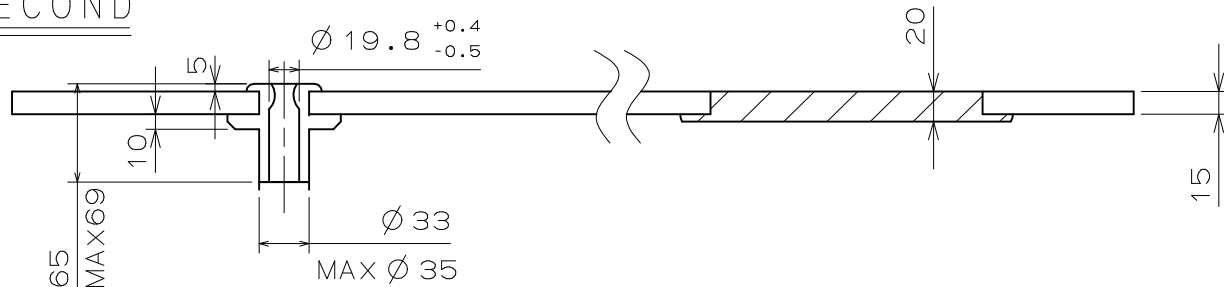
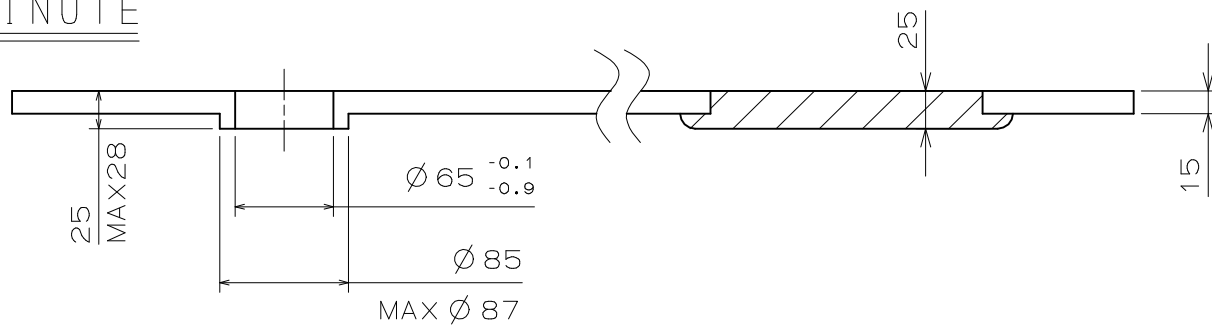
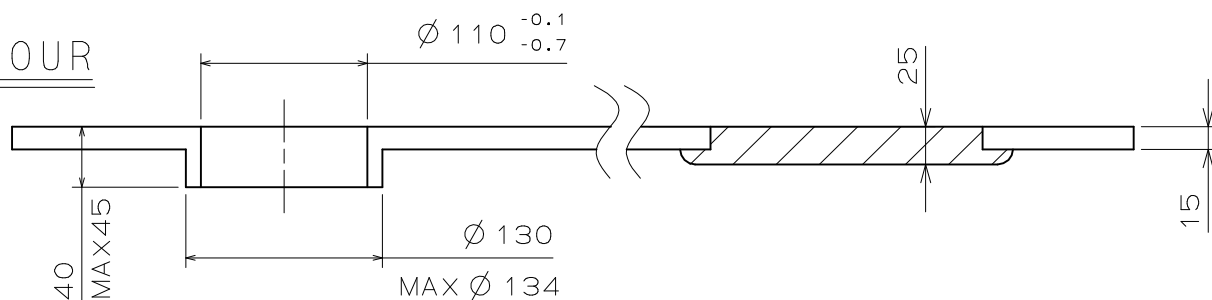


	TYPE M	TYPE L
A	227	272
B	343	388
C	40	85
D	185	230
E	460	505
F	170	215

*Acrylic Glass 50
*Mineral Glass 40



	TYPE M	TYPE L
A	40	40
B	15	15
C	45	45
D	15	15
E	33	33
F	15	15
G	80	80
H	40	85
J	35	35
K	10	10
L	35	35

SECONDMINUTEhourDUAL TIME
SMALL HOUR