

Watch Movement Specification and Drawing

Standard Chronograph Movement

VD54C



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.VD54C 12¼ Ligne Quartz Movement

Three Hands with 3 Eyes

Small Chronograph Second & Minute, 24 Hour Indicator Hands

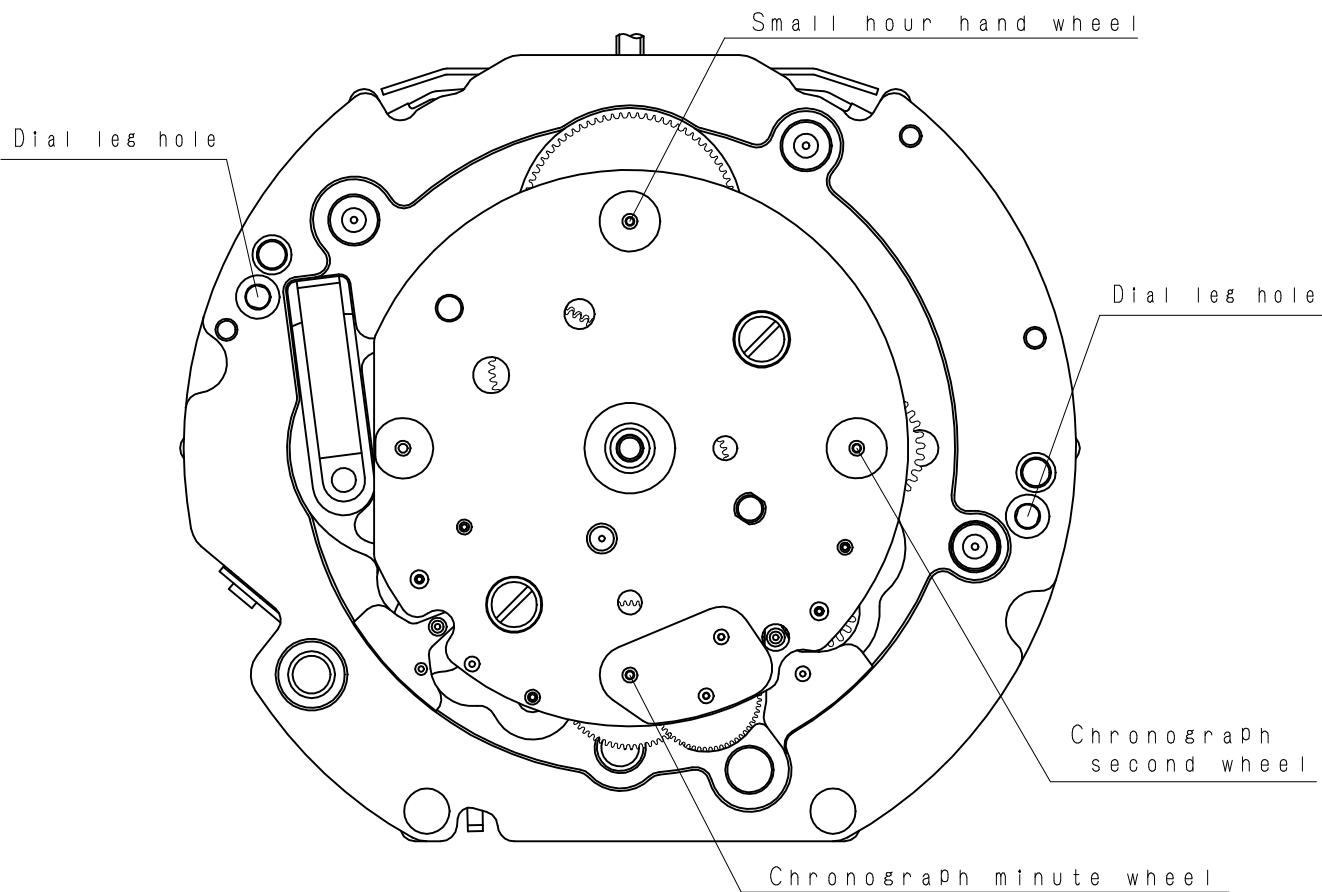
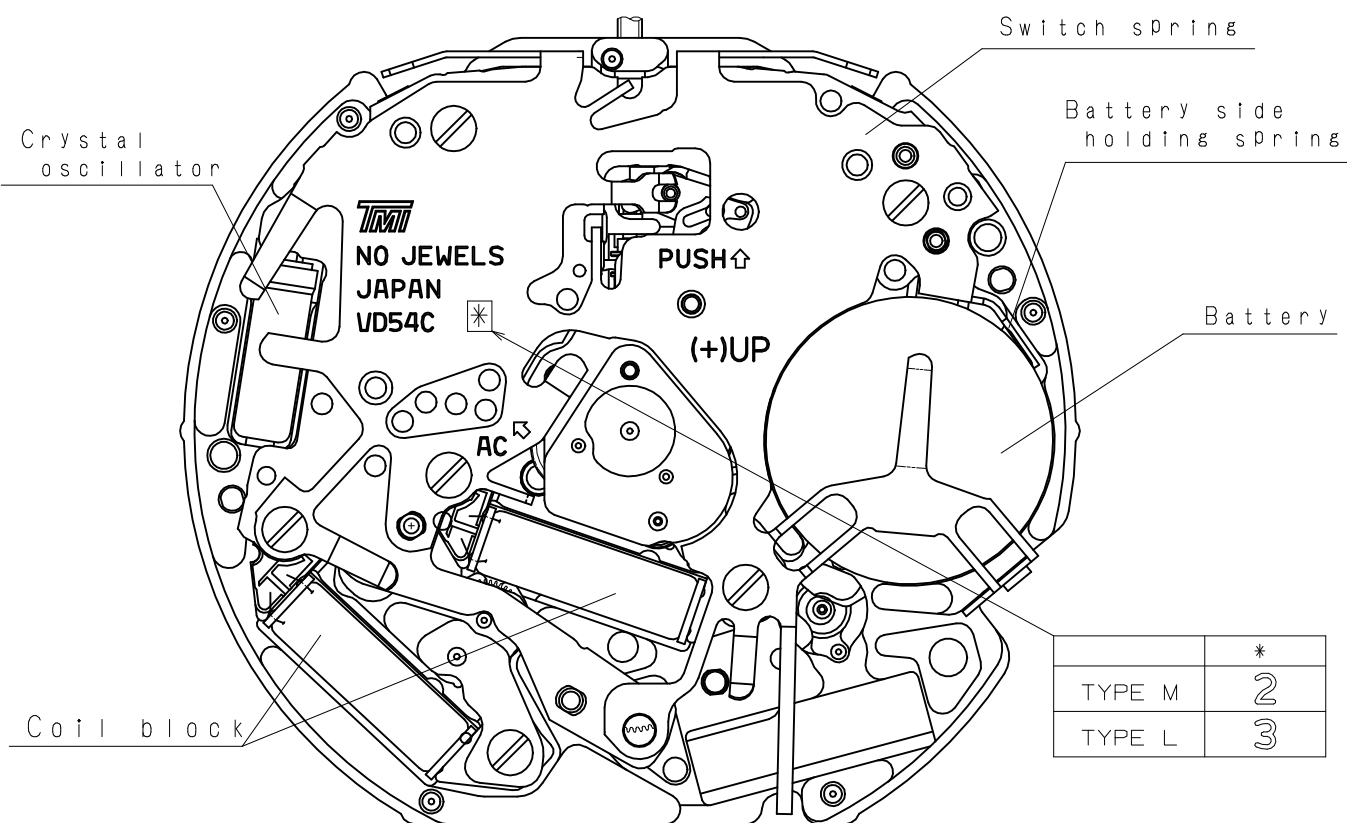
1. FUNCTION

· 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 $\text{mg}\cdot\text{mm}$)
	Minute hand : Less than $0.90 \mu\text{N}\cdot\text{m}$ (90 $\text{mg}\cdot\text{mm}$)
	Second hand : Less than $0.09 \mu\text{N}\cdot\text{m}$ (9 $\text{mg}\cdot\text{mm}$)
	Small chronograph hands : Less than $0.05 \mu\text{N}\cdot\text{m}$ (5 $\text{mg}\cdot\text{mm}$)
	Small 24 hour indicator hand : Less than $0.07 \mu\text{N}\cdot\text{m}$ (7 $\text{mg}\cdot\text{mm}$)
· The moment of inertia	Small 24 hour indicator hand (Disc hand) : Less than $400 \text{ mg}\cdot\text{mm}^2$
· Additional function	Chronograph : up to 60 minutes in 1 second split time
	24 hour indicator (Synchronized regular hour hand)

2. USE AND TEST CONDITION

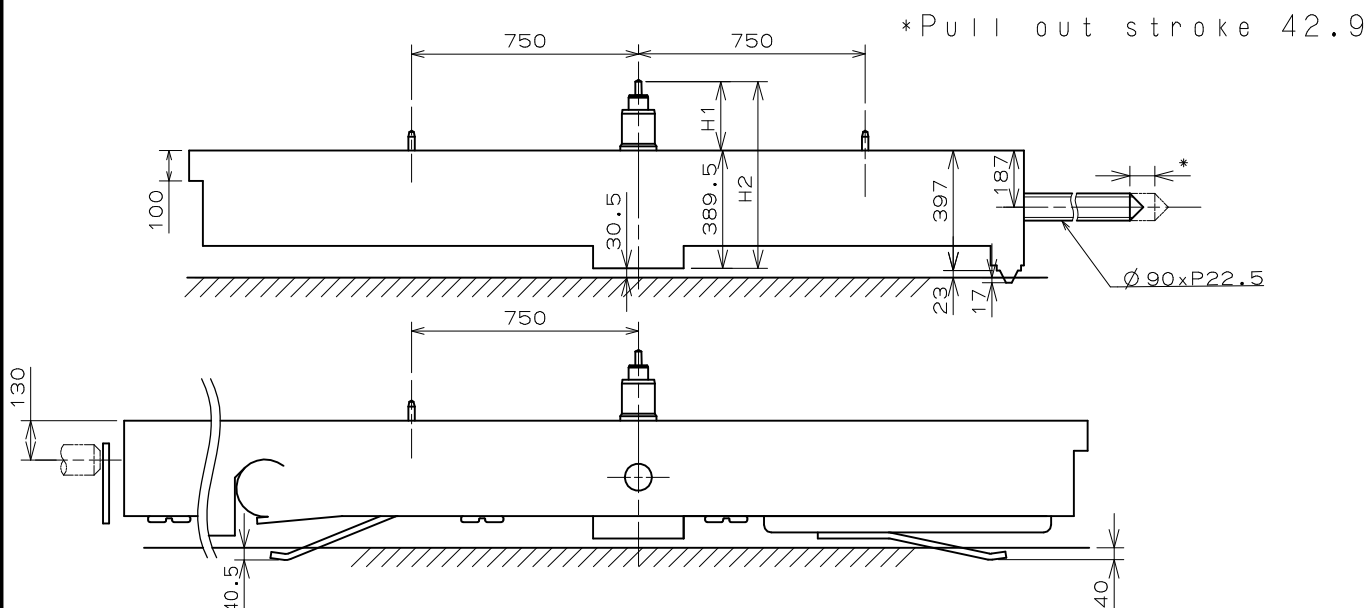
· Battery	SR920SW	(Recommended battery is SEIZAIKEN)
· Operation temperature range	From $-5\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$	
· Antimagnetic	$\geq 1600 \text{ A / m}$	(Direct current magnetic field)
· Test of accuracy	10 seconds	(Duration of measurement)

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

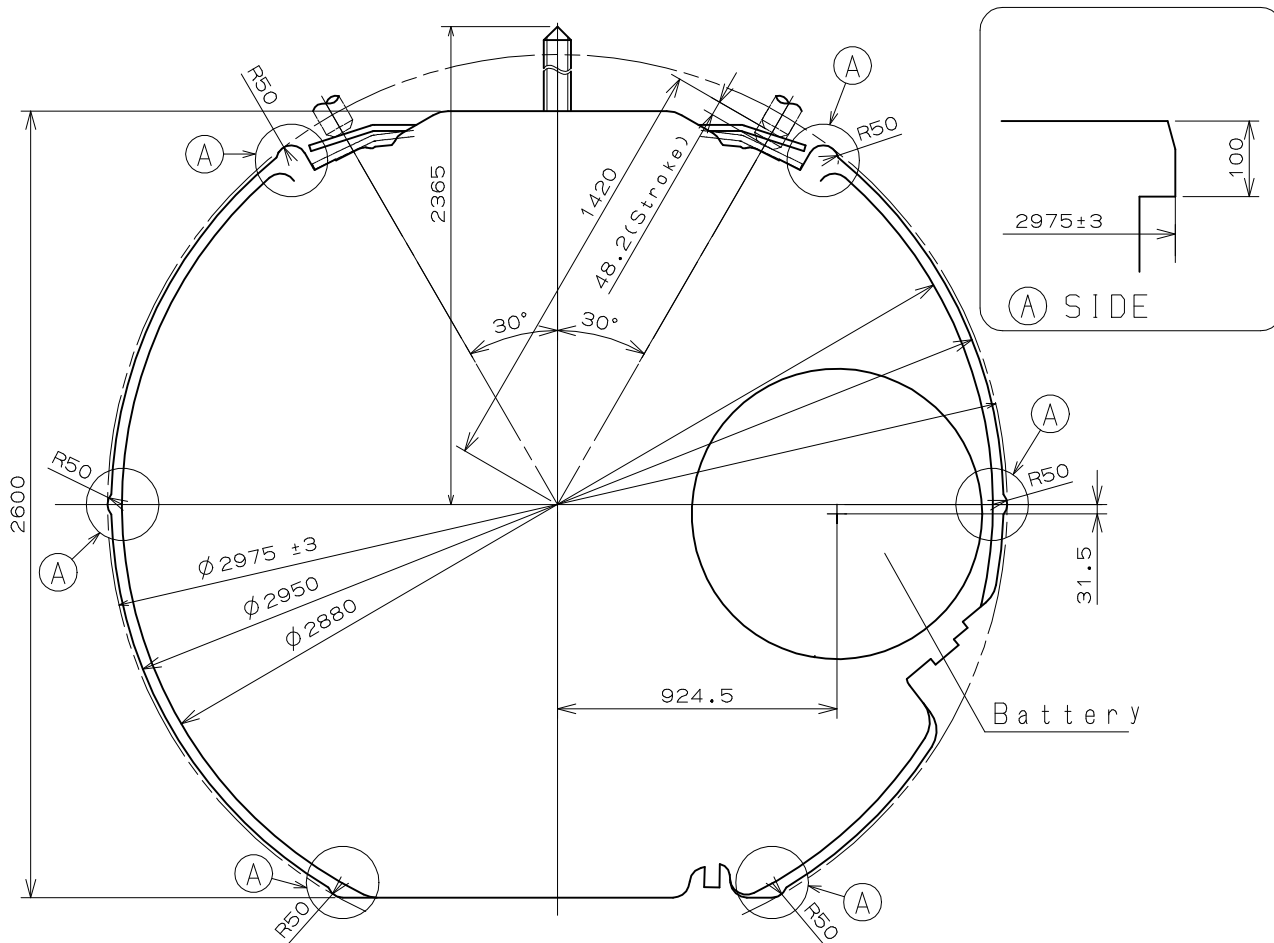


Casing

VD54C



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	H 2	617.5	662.5



Unit : 1=1/100mm

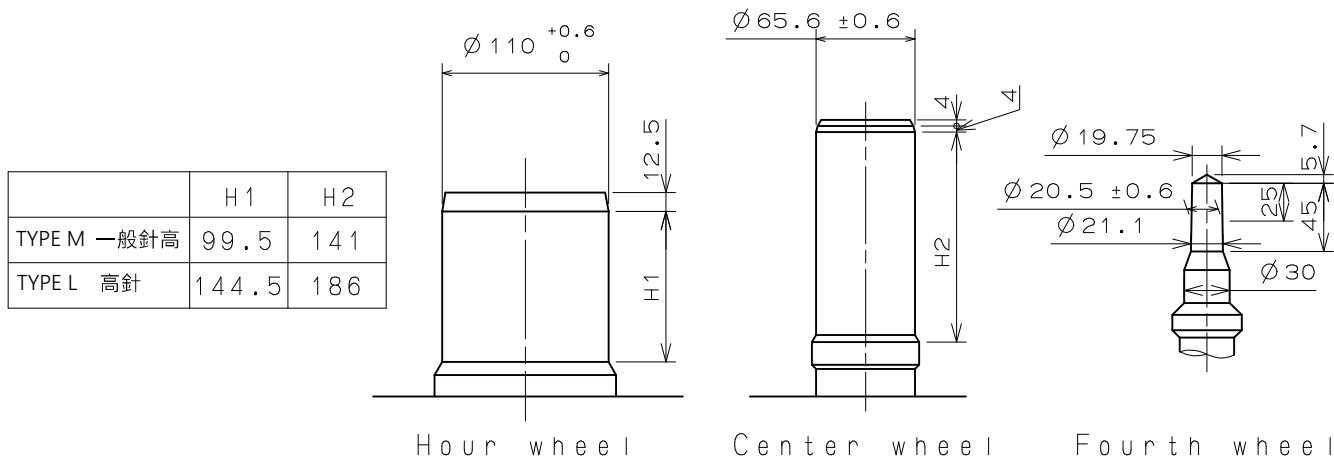
Version : 1

*Unbalance

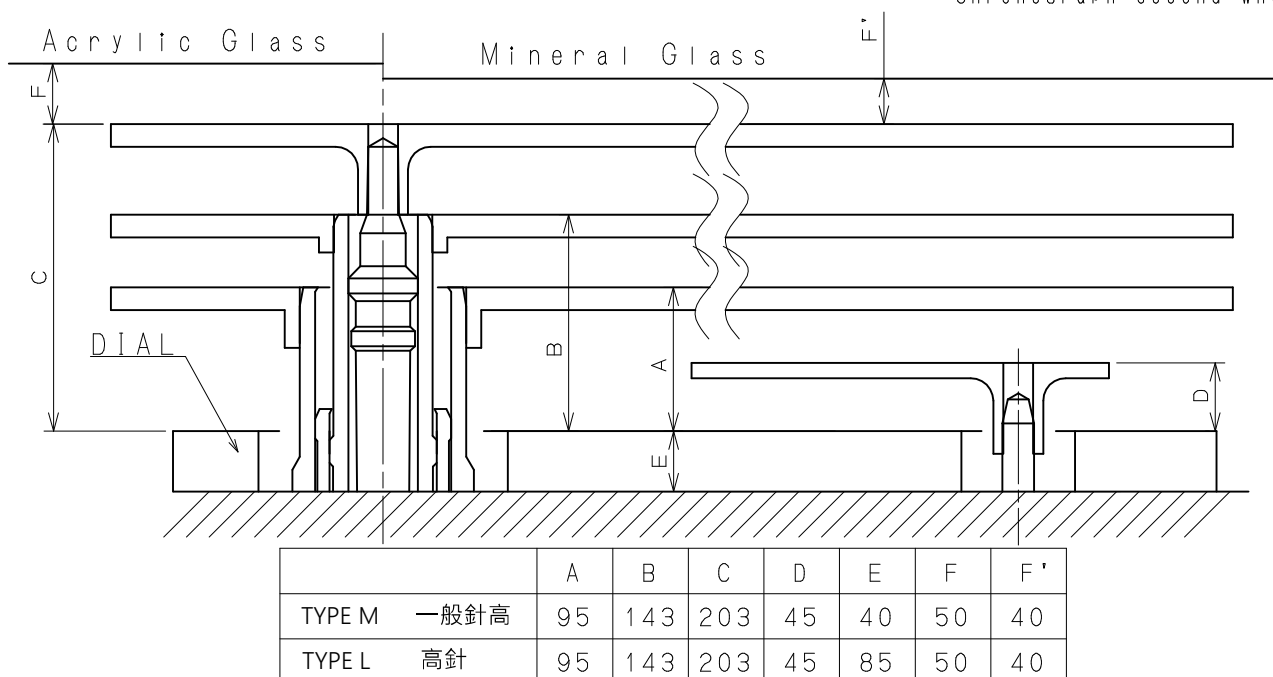
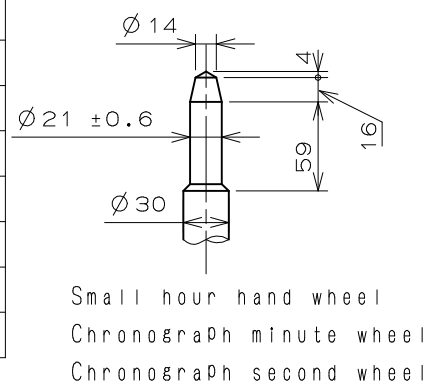
- Hour hand $\leq 0.6 \mu\text{N} \cdot \text{m} (60\text{mg} \cdot \text{mm})$
- Minute hand $\leq 0.9 \mu\text{N} \cdot \text{m} (90\text{mg} \cdot \text{mm})$
- Second hand $\leq 0.09 \mu\text{N} \cdot \text{m} (9\text{mg} \cdot \text{mm})$
- Chronograph hand $\leq 0.05 \mu\text{N} \cdot \text{m}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

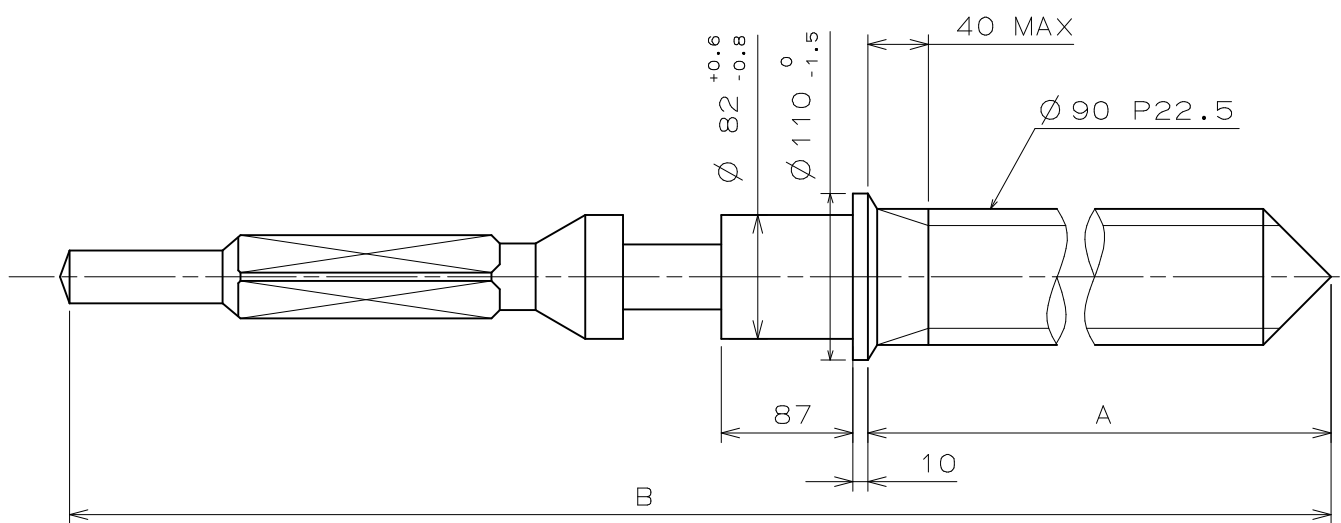
*Moment of inertia

- 24hour indicator $\leq 0.4 \mu\text{g} \cdot \text{m}^2 (400\text{mg} \cdot \text{mm}^2)$ (Disc hand available)



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 011	0157 035
Chronograph minute wheel	計時分針輪	0902 007	0902 003
Chronograph second wheel	計時秒針輪	0888 008	0888 010

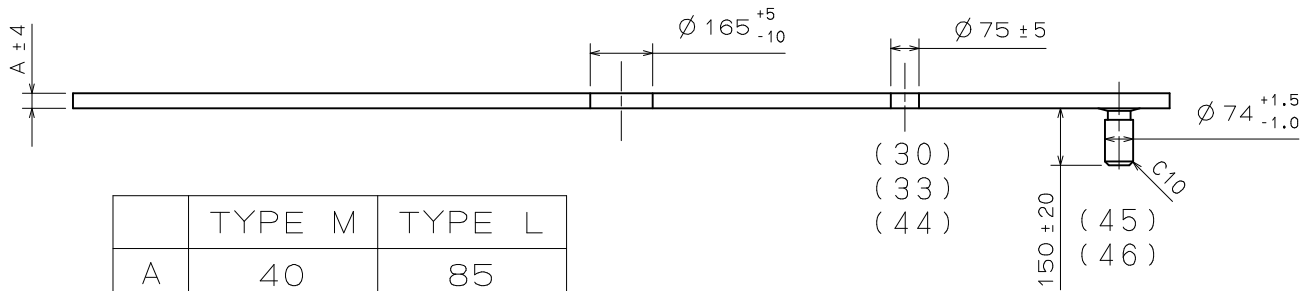
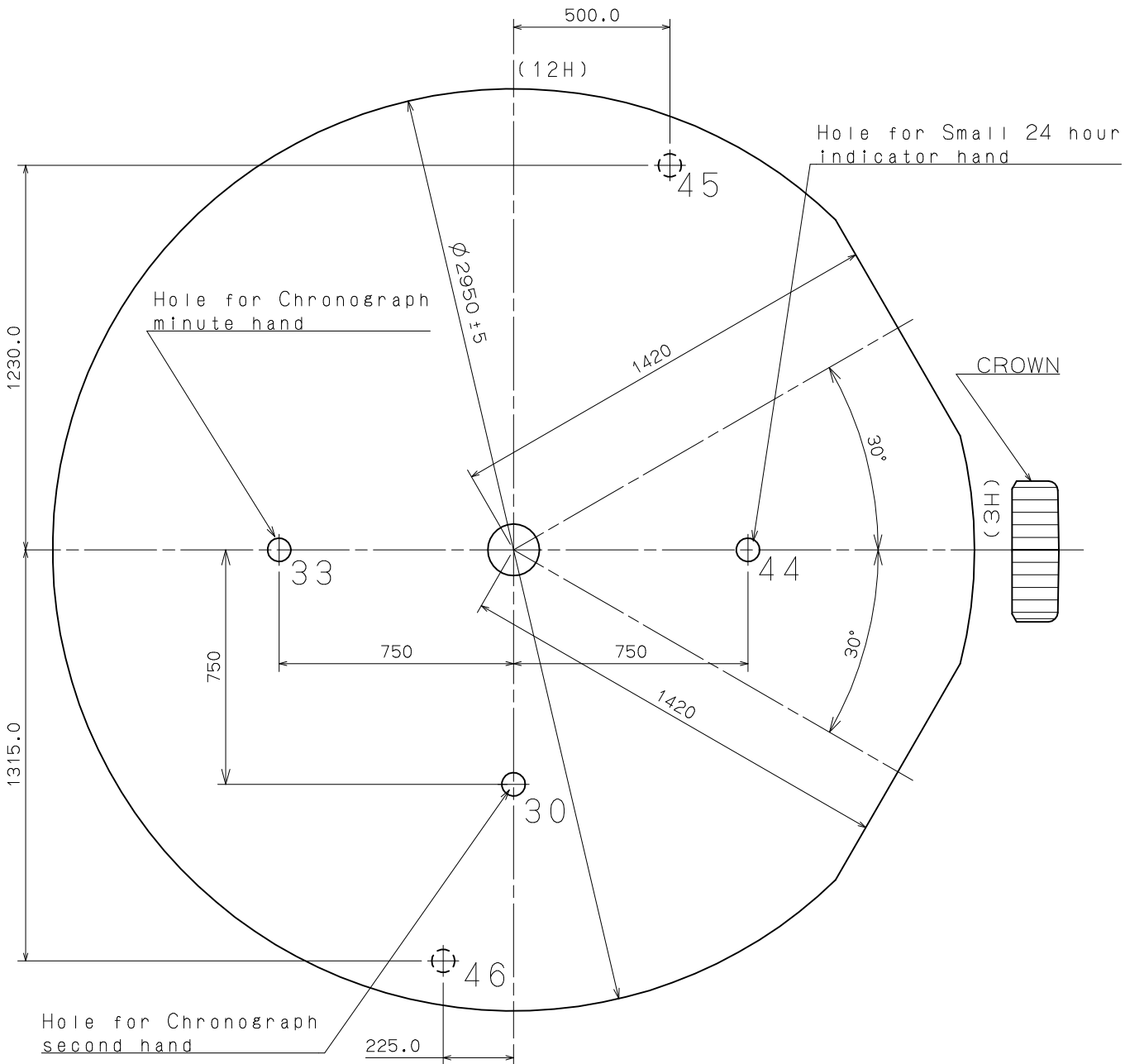




	Part No.	A	B
TYPE A	0351 178	1508	2036

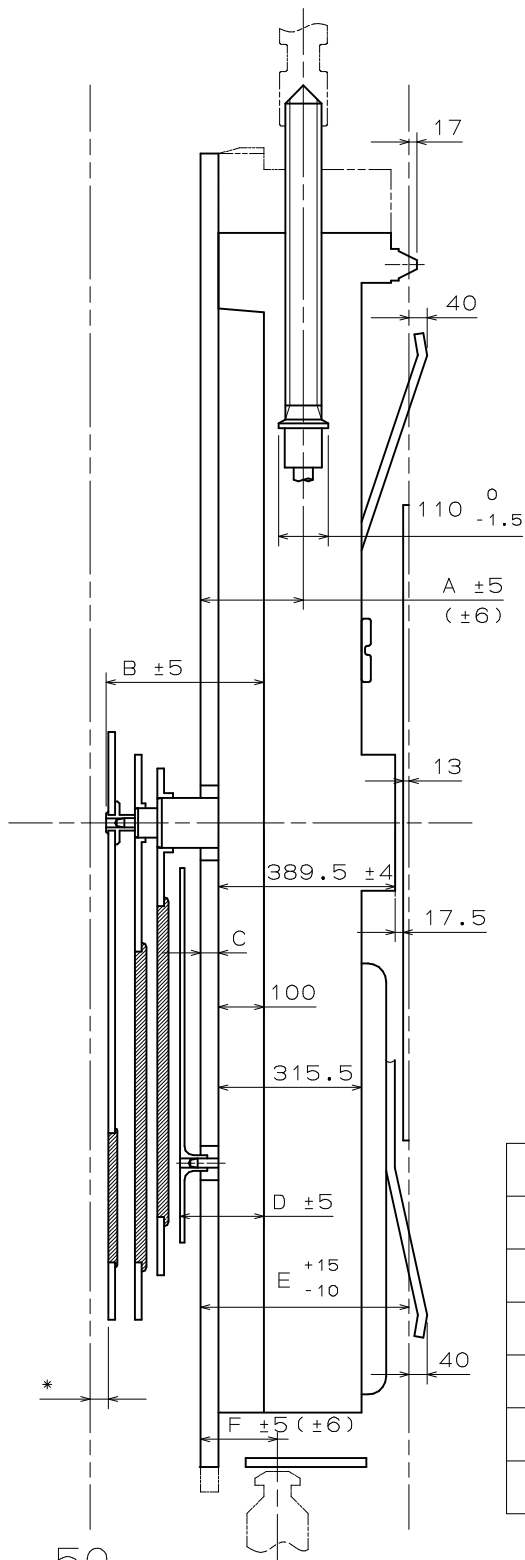
Unit : 1=1/100mm

Version : 1

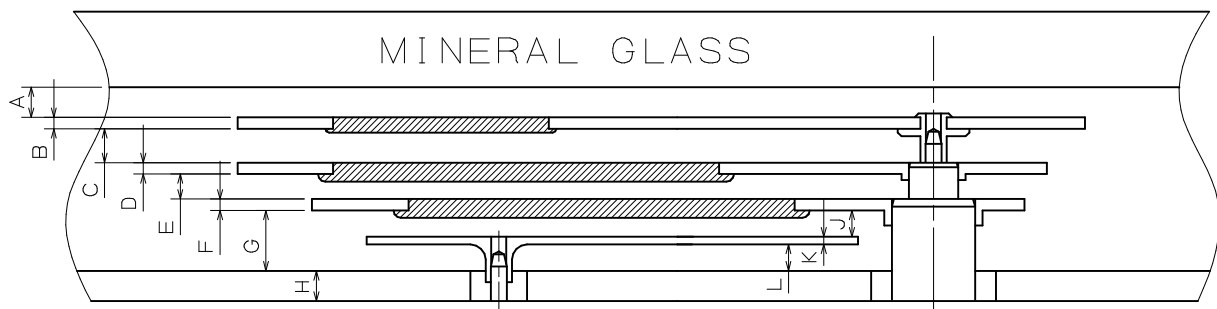
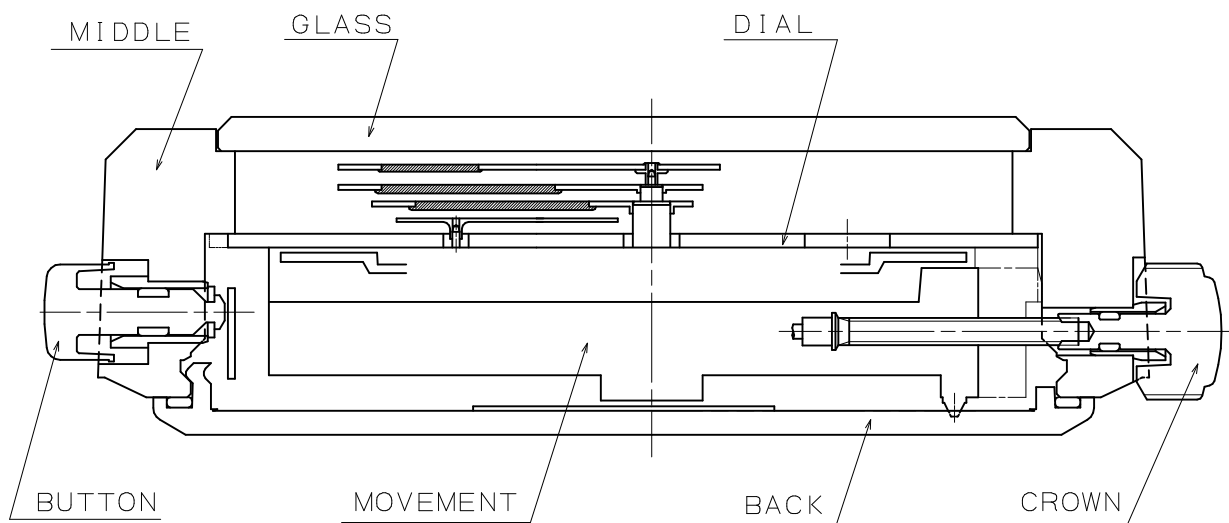


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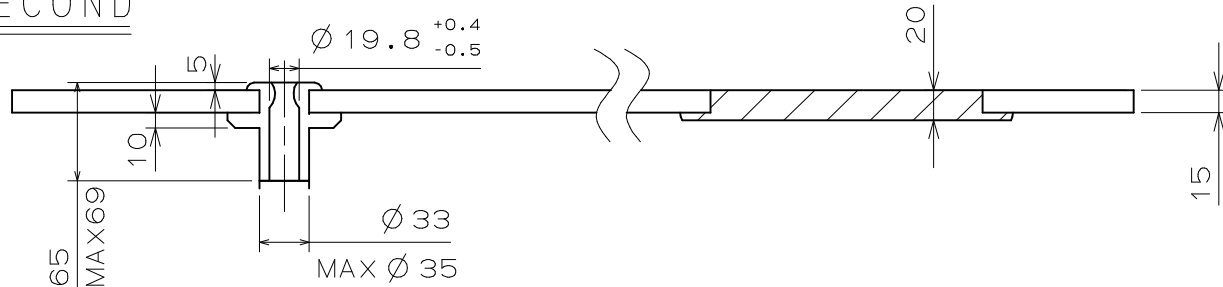
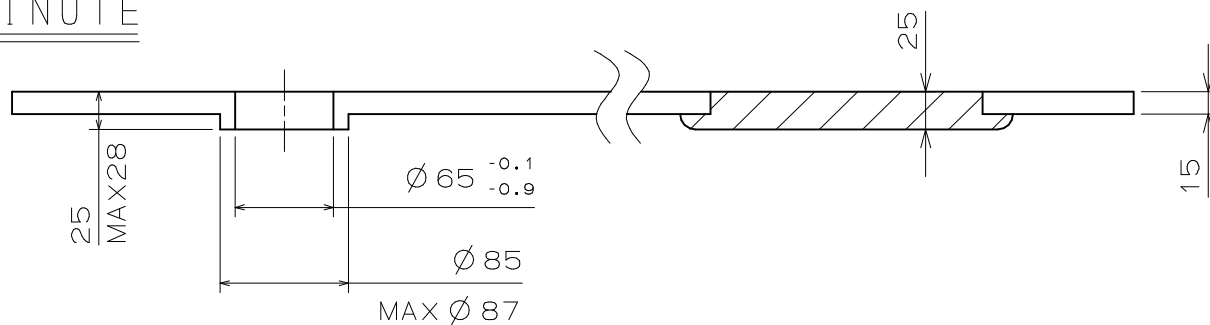
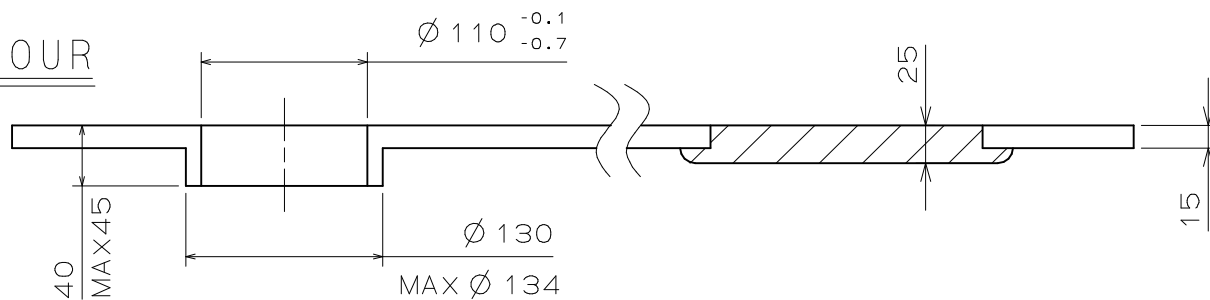
Version : 1



*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

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