

Watch Movement Specification and Drawing

Dual Time Movement

VD35B



Movement Size: **12 ³/₄"**
Diameter: **Φ29.50mm**
Height: **4.57mm**

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.VD35B 12 $\frac{3}{4}$ Ligne Quartz Movement

Three Hands with 2 Eyes & Date

Small Dual Time of 24 Hour & 60 Minute Hands

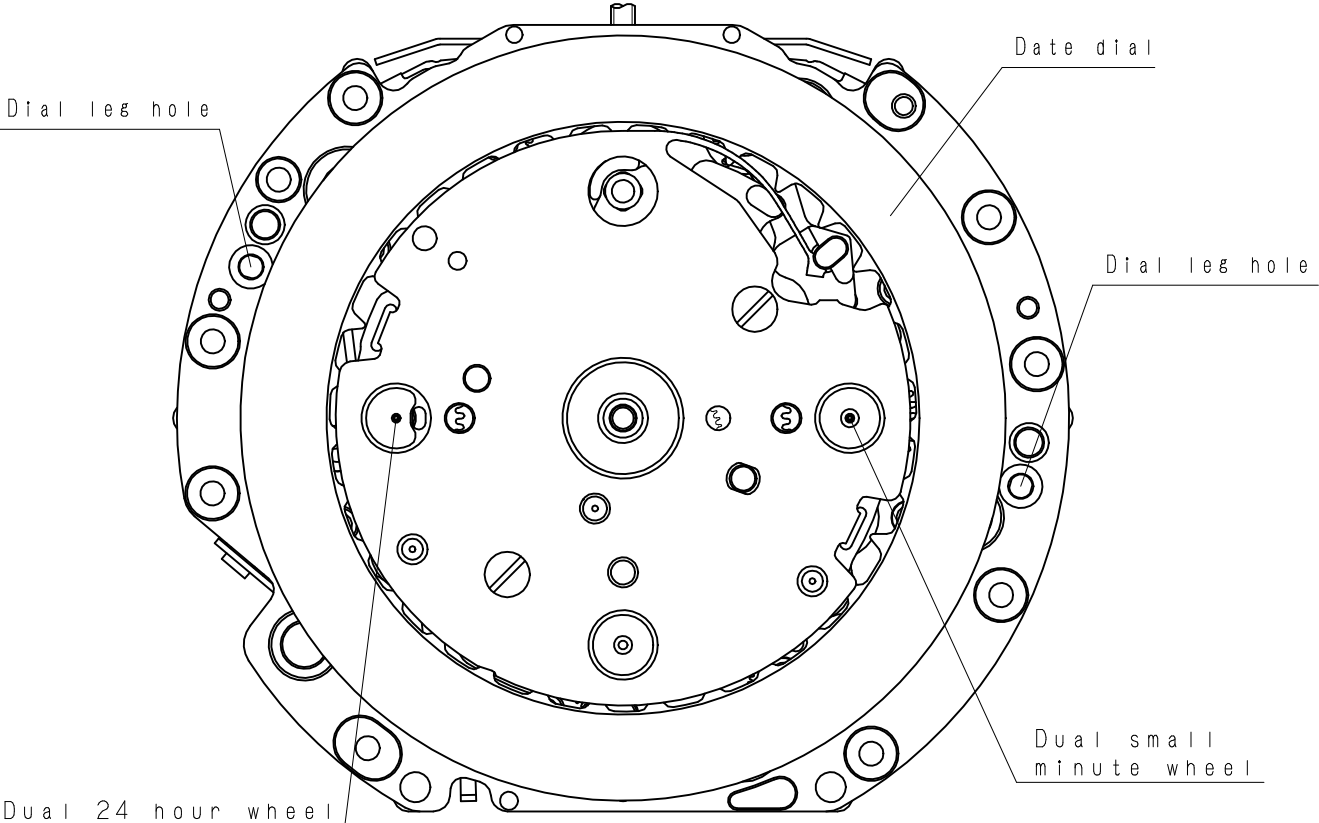
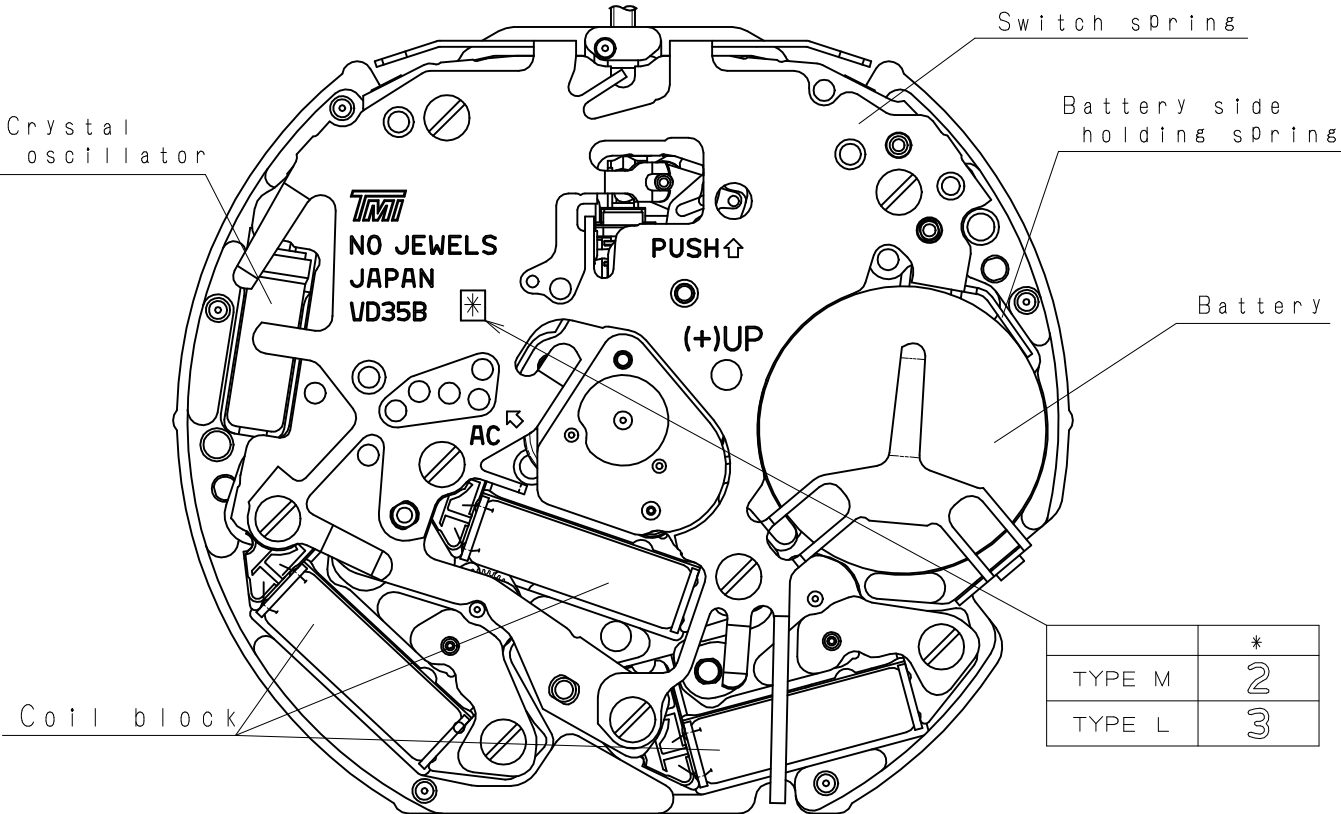
1. FUNCTION

· 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 $\cdot\text{mm}$) Minute hand : Less than $0.90 \mu\text{N}\cdot\text{m}$ (90 mg $\cdot\text{mm}$) Second hand : Less than $0.09 \mu\text{N}\cdot\text{m}$ (9 mg $\cdot\text{mm}$) Small dual time hands : Less than $0.05 \mu\text{N}\cdot\text{m}$ (5 mg $\cdot\text{mm}$)
· Additional function	Date display with quick date correction Regulator dual time (24 hour, 60 minute)

2. USE AND TEST CONDITION

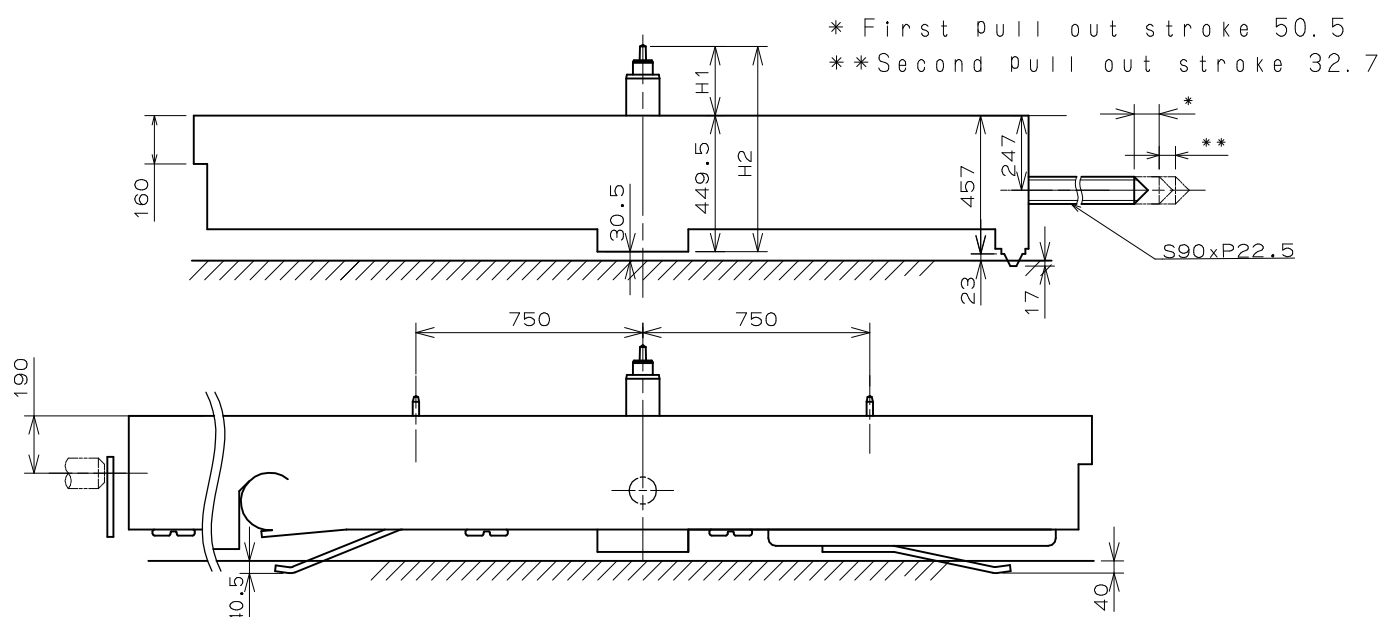
· Battery	SR920SW	(Recommended battery is SEIZAIKEN)
· Operation temperature range	From - 5 °C to + 50 °C	
· Antimagnetic	$\geq 1600 \text{ A / m}$	(Direct current magnetic field)
· Test of accuracy	10 seconds	(Duration of measurement)

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



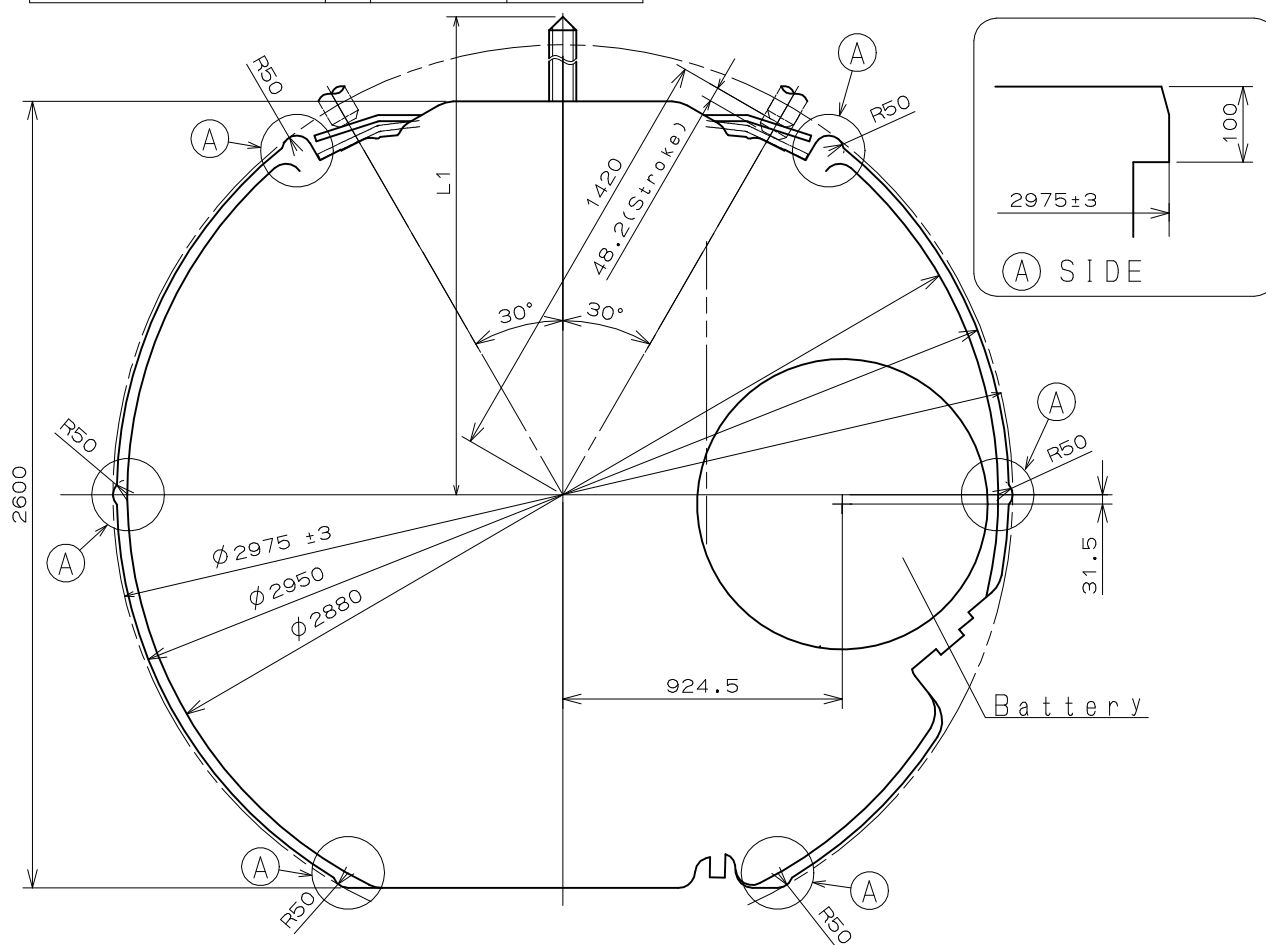
Casing

VD35B



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	677.5	722.5

Hand Setting Stem	TYPE A	TYPE B
L 1	2285	2861



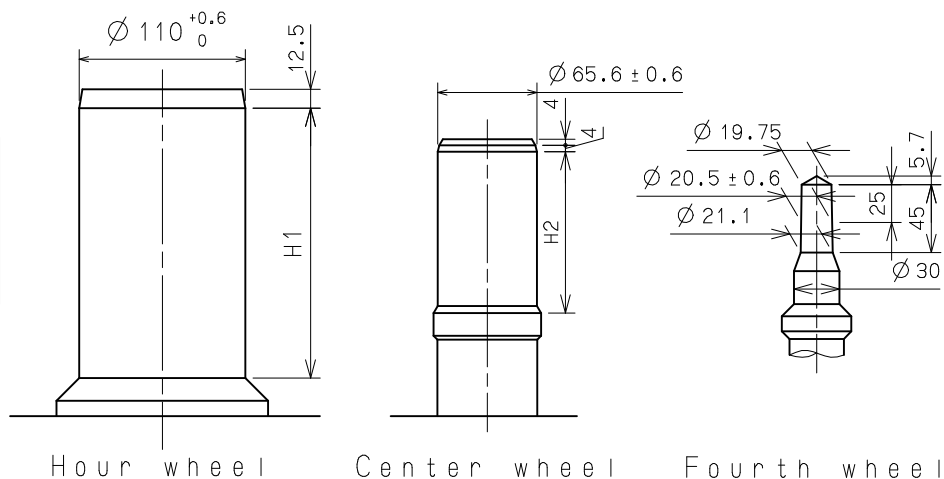
Unit : 1=1/100mm

Version : 1

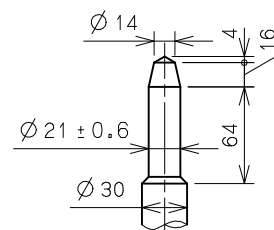
※Unbalance

· 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	$\leq 0.05 \mu\text{N} \cdot \text{m} (5\text{mg} \cdot \text{mm})$

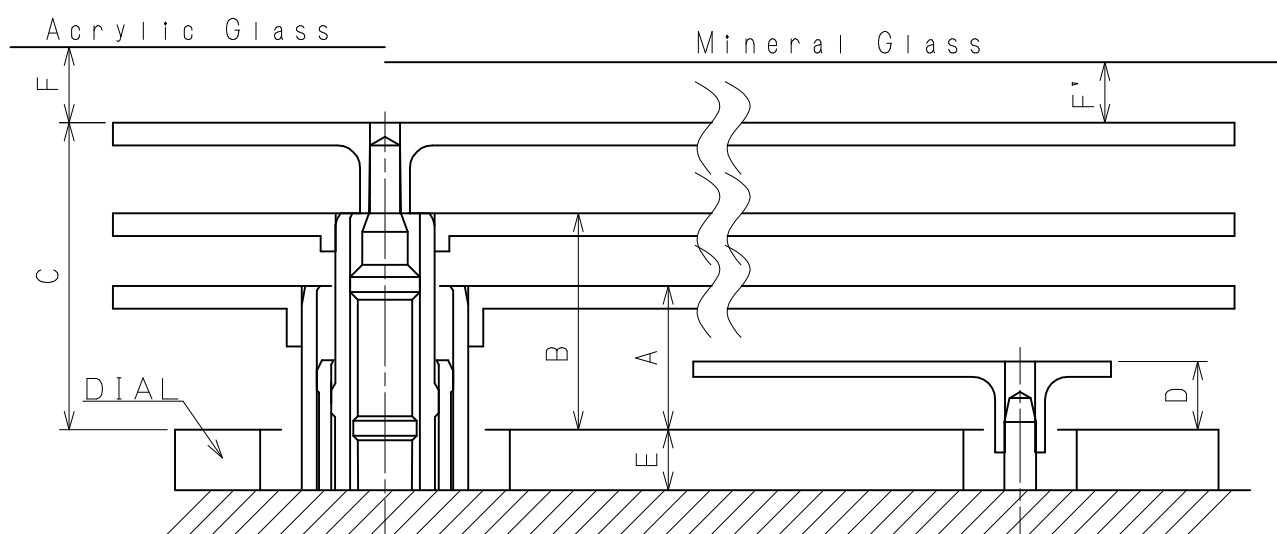
	H1	H2
TYPE M 一般針高	178.5	109
TYPE L 高針	223.5	154



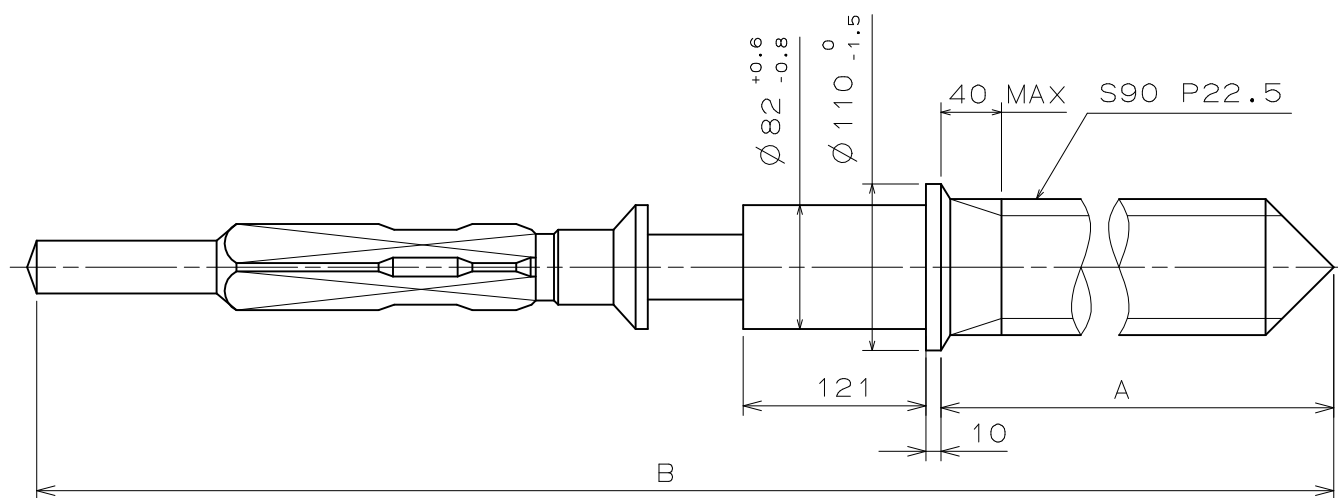
Part name		Part No.	
		TYPE M 一般針高	TYPE L 高針
Hour wheel	時針輪	0271 407	0273 037
Center wheel	分針輪	0221 157	0221 078
Fourth wheel	秒針輪	0241 178	0241 489
Dual 24 hour wheel	兩地時間24小時針輪	0888 014	0888 011
Dual small minute wheel	兩地時間小分針輪	0888 014	0888 011



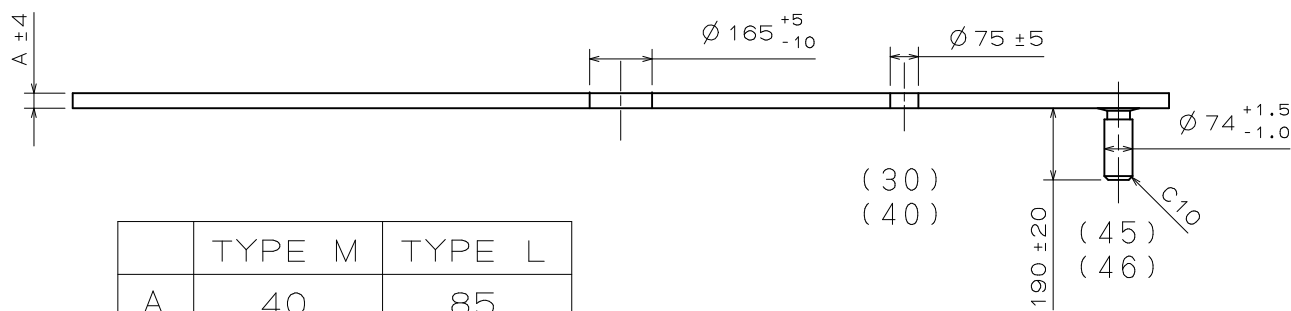
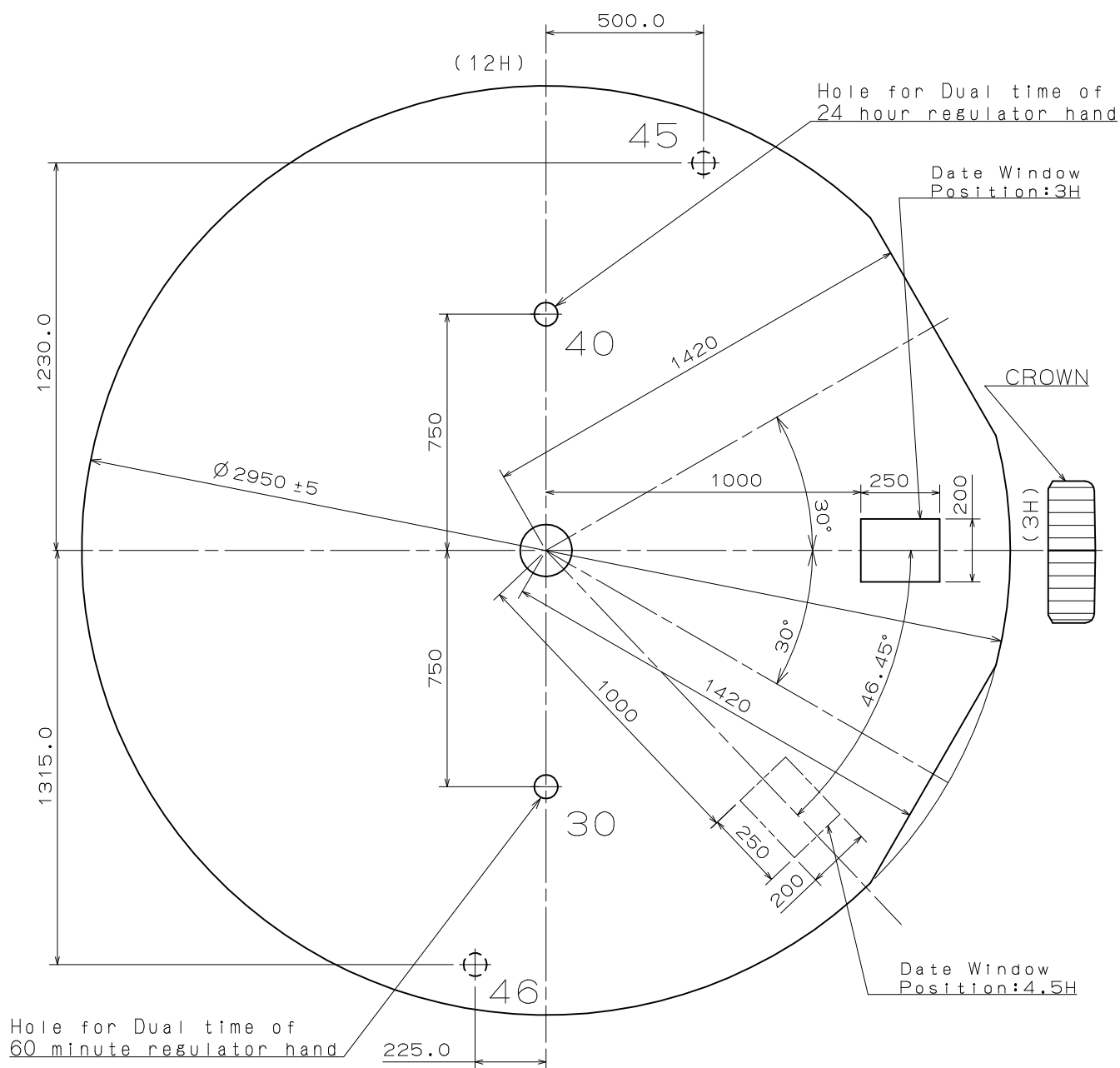
Dual 24 hour wheel
Dual small minute wheel



	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

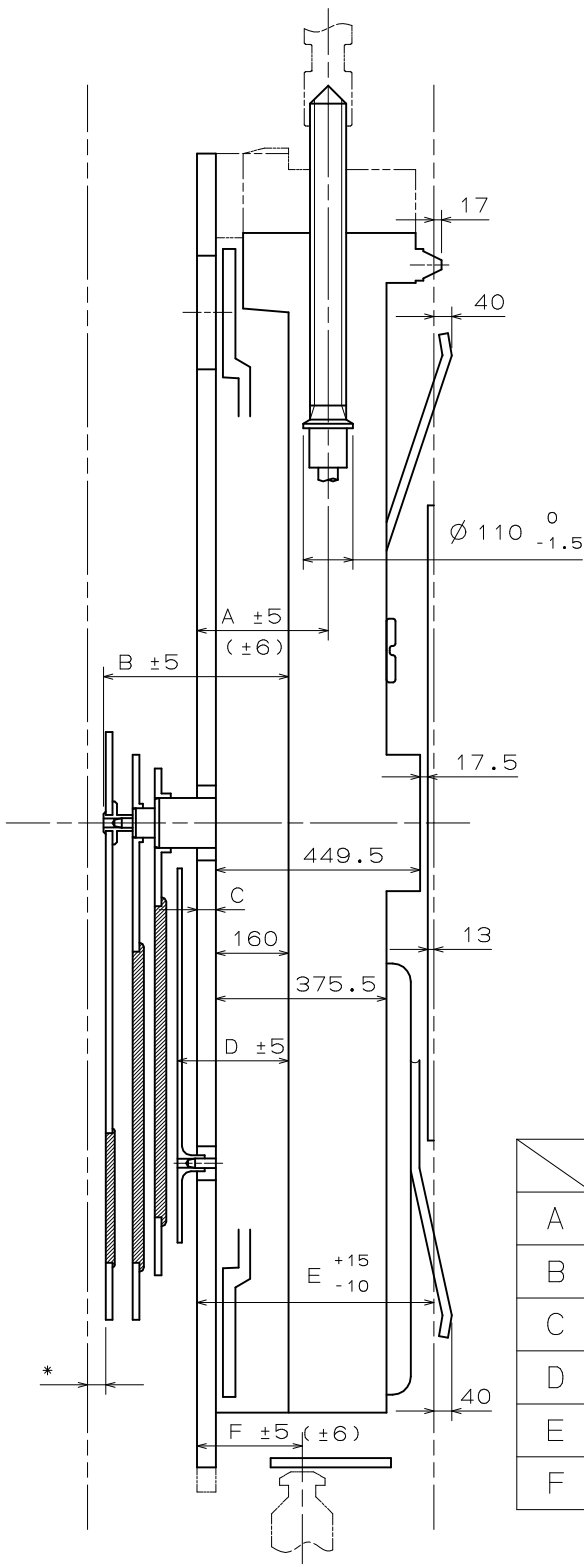


	Part No.	A	B
TYPE A	0351 177	1371	1969
TYPE B	0351 122	1947	2545



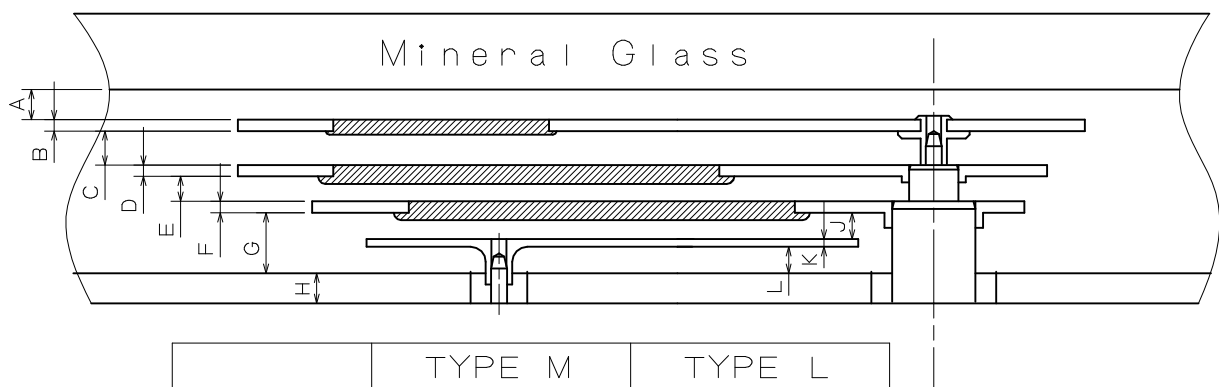
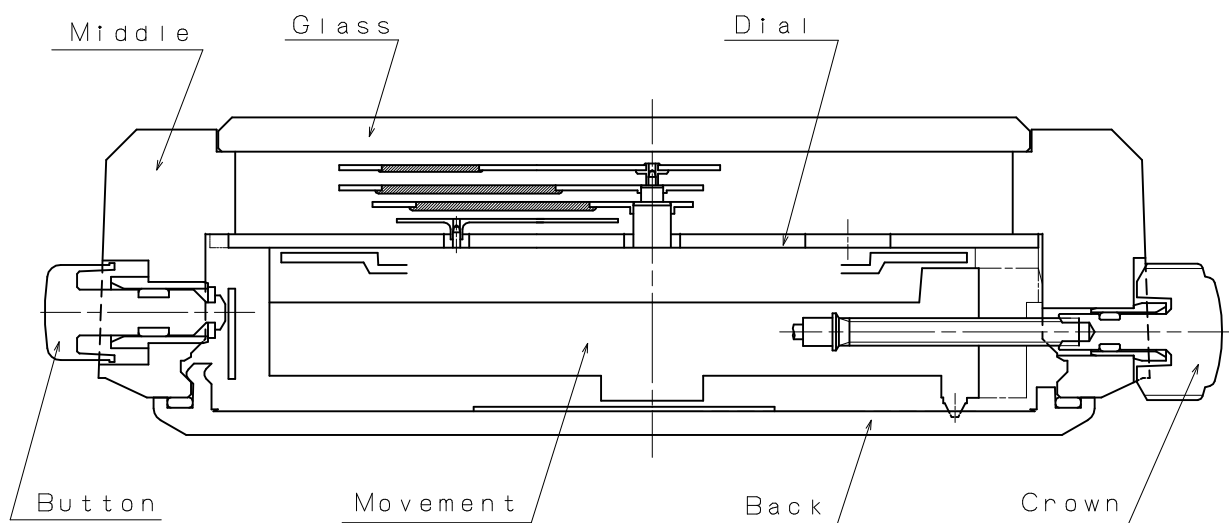
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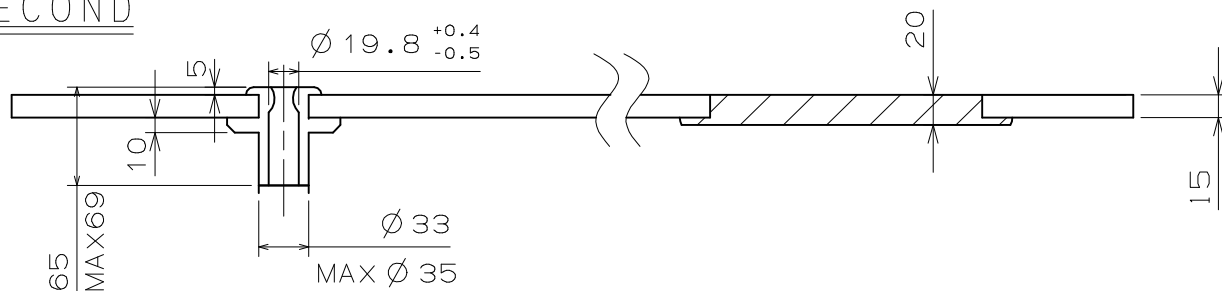
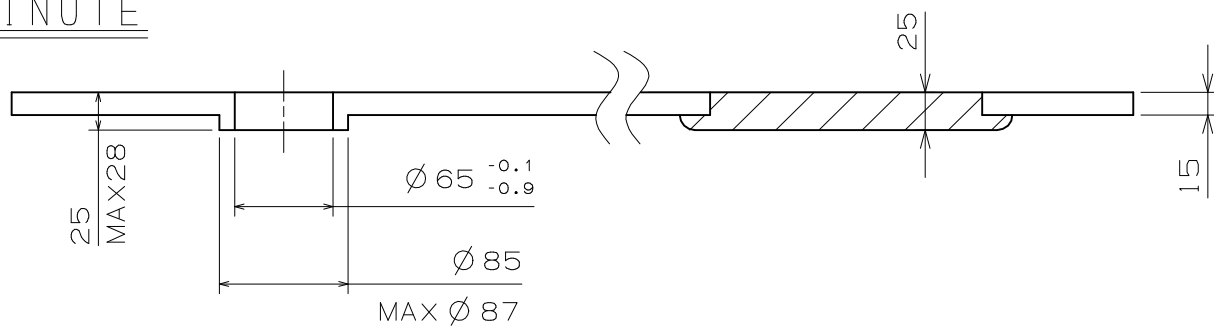
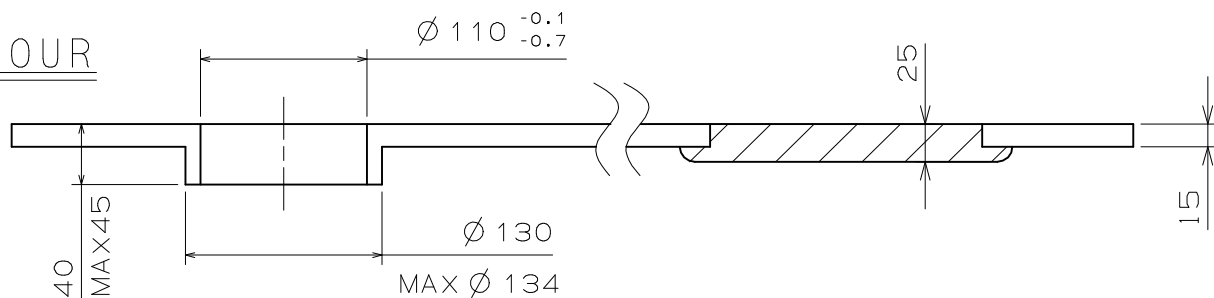


	TYPE M	TYPE L
A	287	332
B	403	448
C	40	85
D	245	290
E	520	565
F	230	275

*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