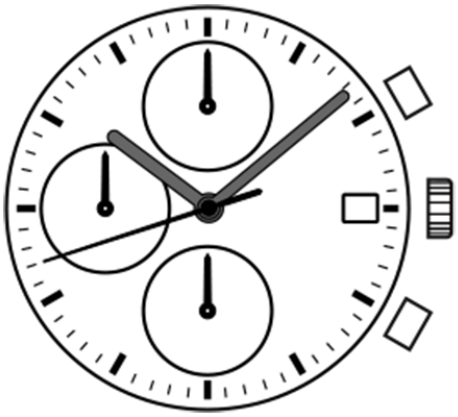
TIME MODULE

Watch Movement Specification and Drawing

Standard Chronograph Movement

VD57C



Movement Size: **12 ¾‴**
Diameter: **Φ29.50mm**
Height: **4.57mm**

Items	Ver.
Specification	1
Appearance	1
Casing	1
Hand Fitting - 1	1
Hand Fitting - 2	1
Hand Setting Stem	1
Dial - 1	1
Dial - 2	1
Dial - 3	1
Dial - 4	1
Dial - 5	1
Assembly Plan - 1	1
Assembly Plan - 2	1

Items	Ver.
Assembly Plan - 3	1
Assembly Plan - 4	1
Hands	1

Revised on : 16112022

Specification

VD57C

CAL.VD57C 12¾ Ligne Quartz Movement

Three Hands with 3 Eyes & Date

Small Chronograph 1 / 10 Second, Small Chronograph Second & 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 μN·m (60 mg·mm)
	Minute hand	: Less than 0.90 μN·m (90 mg·mm)
	Second hand	: Less than 0.09 μN·m (9 mg·mm)
	Small chronograph hands	: Less than 0.05 μN·m (5 mg·mm)
· The moment of inertia	Small chronograph 1/10 second hand (Disc hand)	: Less than 400 mg·mm²
· Additional function	Date display with quick date correction	
	Chronograph : up to 1 minute in 1/10 second (2 seconds per round)	
	: up to 60 minutes in 1 second split time	

2. USE AND TEST CONDITION

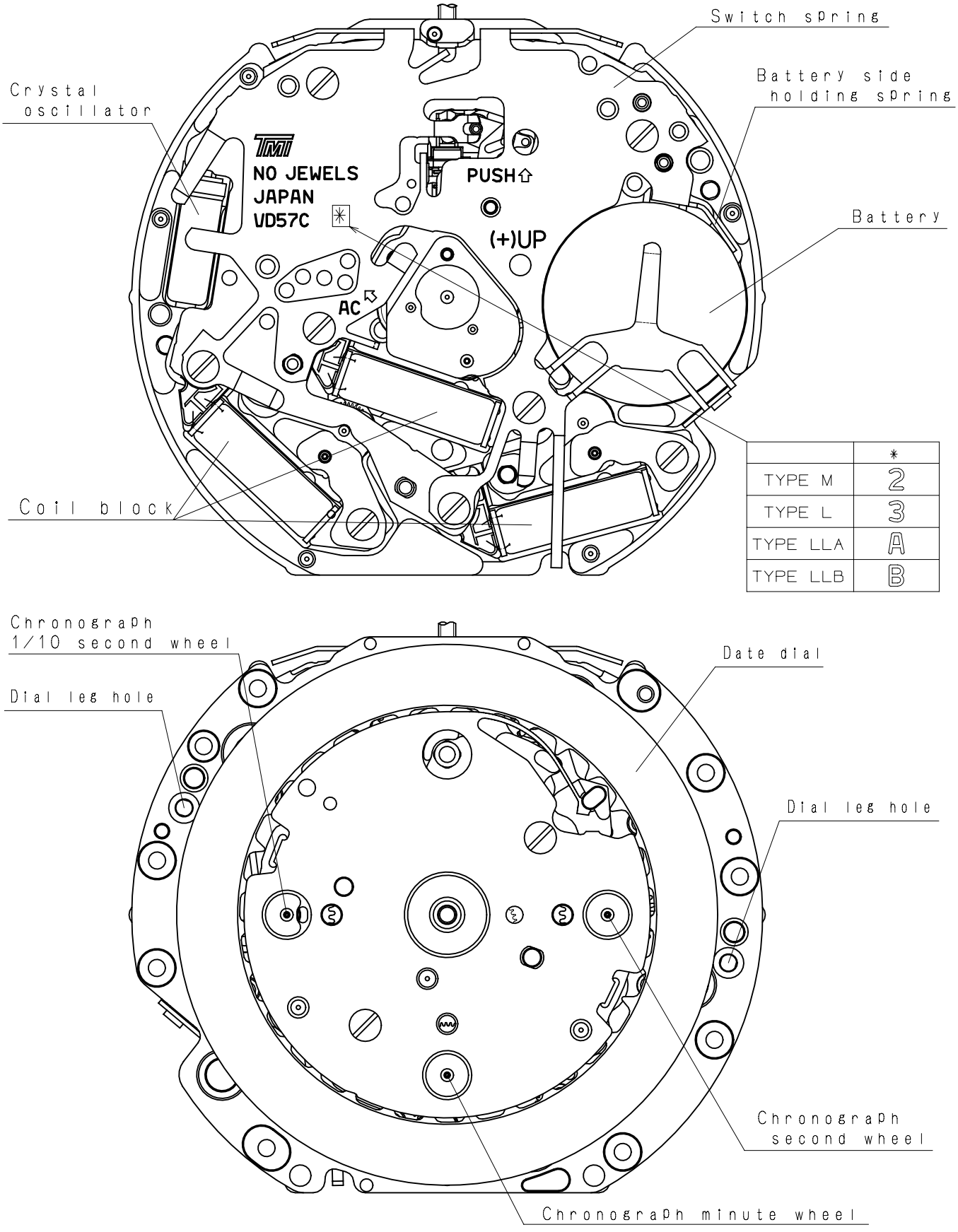
· Battery	SR920SW	(Recommended battery is SEIZAIKEN)
· Operation temperature range	From - 5 ℃ to + 50 ℃	
· Antimagnetic	≧1600 A / m	(Direct current magnetic field)
· Test of accuracy	10 seconds	(Duration of measurement)

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

Version : 1

Appearance

VD57C

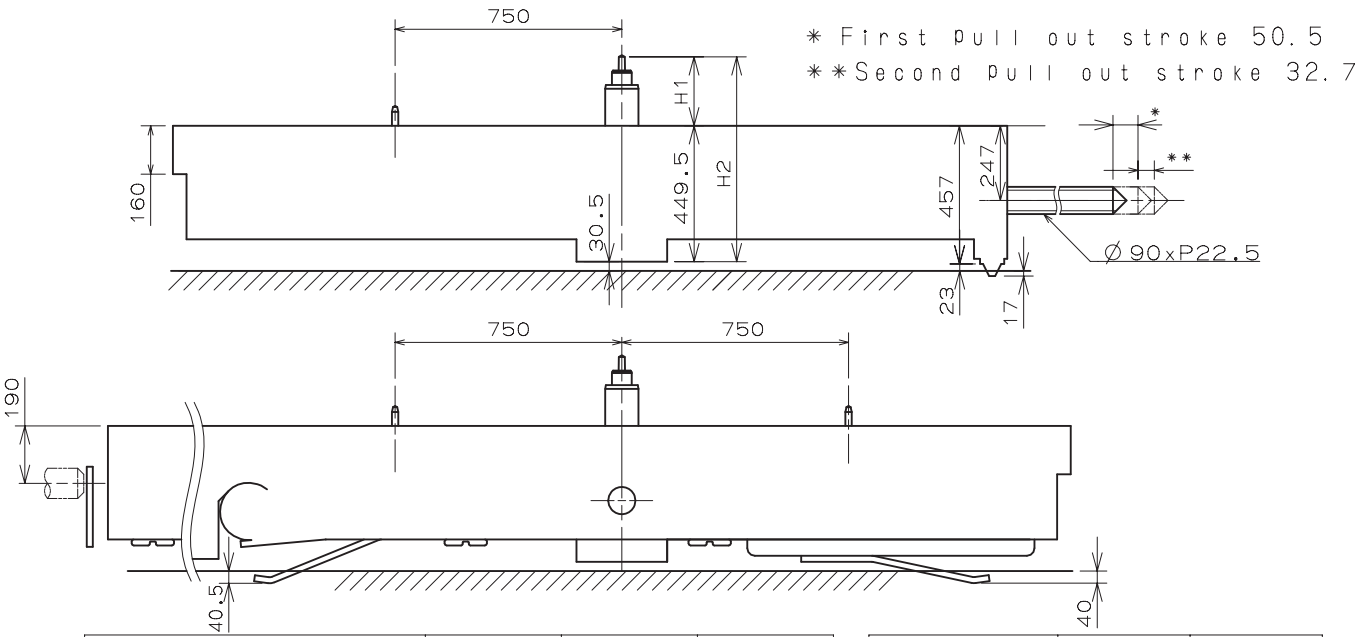


	*
TYPE M	2
TYPE L	3
TYPE LLA	A
TYPE LLB	B

Version : 1

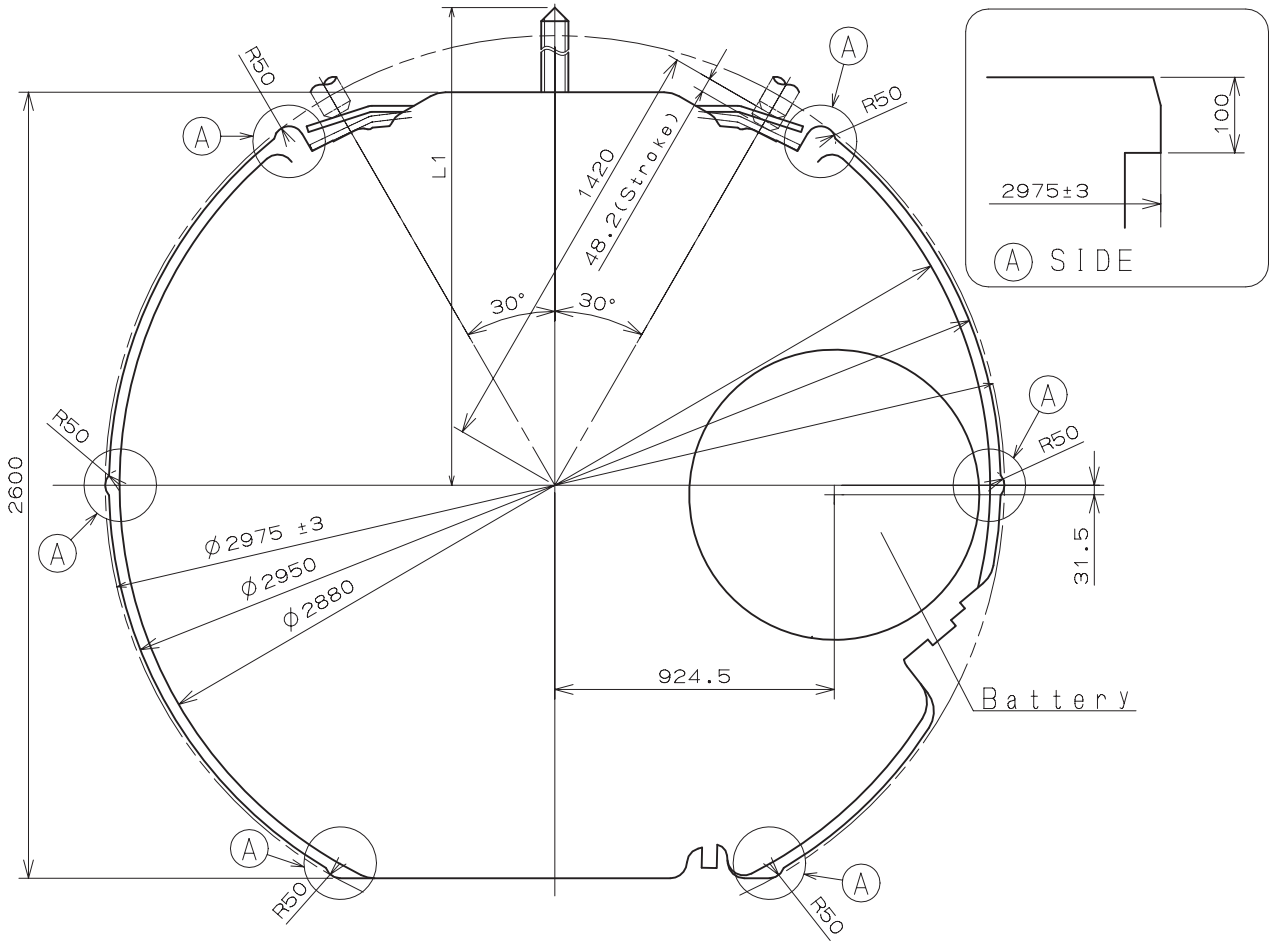
Casing

VD57C



Center post 中心柱位		TYPE M 一般針高	TYPE L 高針	TYPE LLA/LLB 特高針A/特高針B
Maximum height from main plate surface 與機芯平面的最大高度	H1	228	273	354
Total height incl. movement 機芯總高度	H2	677.5	722.5	803.5

Hand Setting Stem	TYPE A	TYPE B
L1	2285	2861



Unit : 1=1/100mm

Version : 1

Hand Fitting - 1

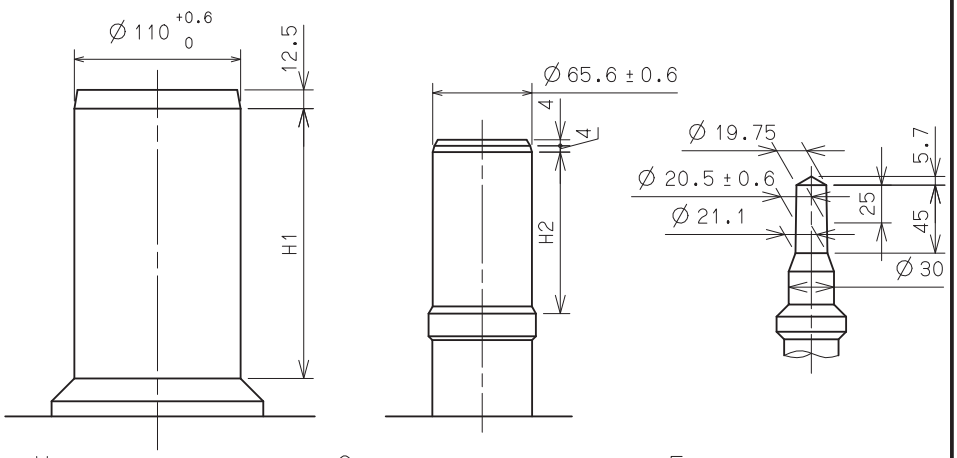
VD57C

※Unbalance
- ·Hour hand ≦ 0.6μN·m(60mg·mm)
- ·Minute hand ≦ 0.9μN·m(90mg·mm)
- ·Second hand ≦ 0.09μN·m(9mg·mm)
- ·Chronograph hand ≦ 0.05μN·m(5mg·mm)

※Moment of inertia
- ·1/10Chronograph hand ≦ 0.4μg·m²(400mg·mm²)(Disc hand available)

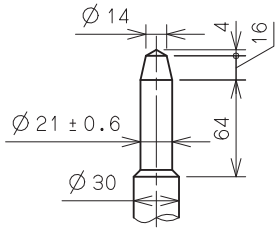
TYPE M/L

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

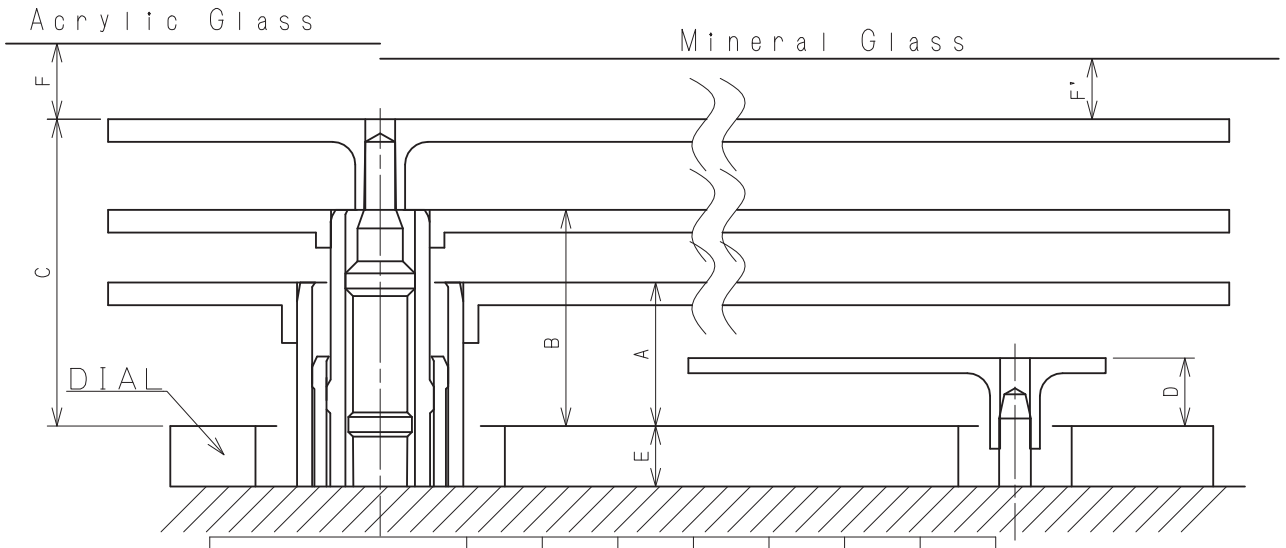


Hour wheel　Center wheel　Fourth wheel

Part name		Part No. TYPE M 一般針高	Part No. TYPE L 高針
Hour wheel	時針輪	0271 407	0273 037
Center wheel	分針輪	0221 203	0221 202
Fourth wheel	秒針輪	0241 178	0241 489
Chronograph minute wheel	計時分針輪	0902 008	0902 004
Chronograph second wheel	計時秒針輪	0888 009	0888 011
Chronograph 1/10 second wheel	1/10計時秒針輪	0888 009	0888 011



Chronograph minute wheel
Chronograph second wheel
Chronograph 1/10 second 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

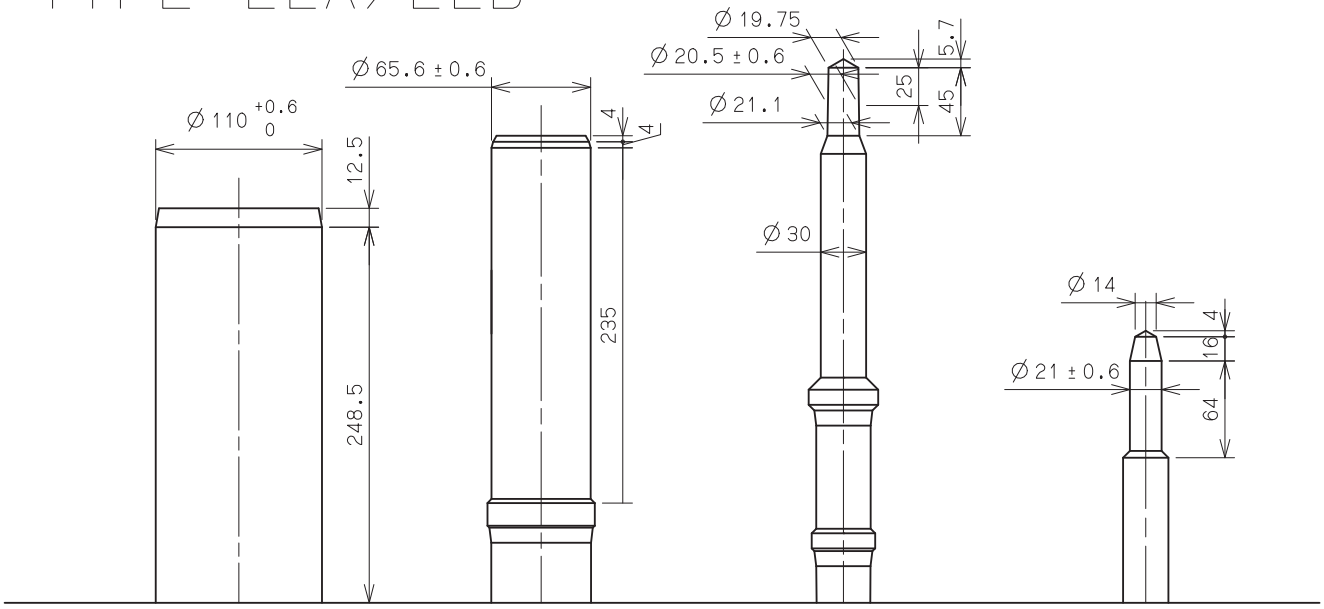
Unit : 1=1/100mm

Version : 1

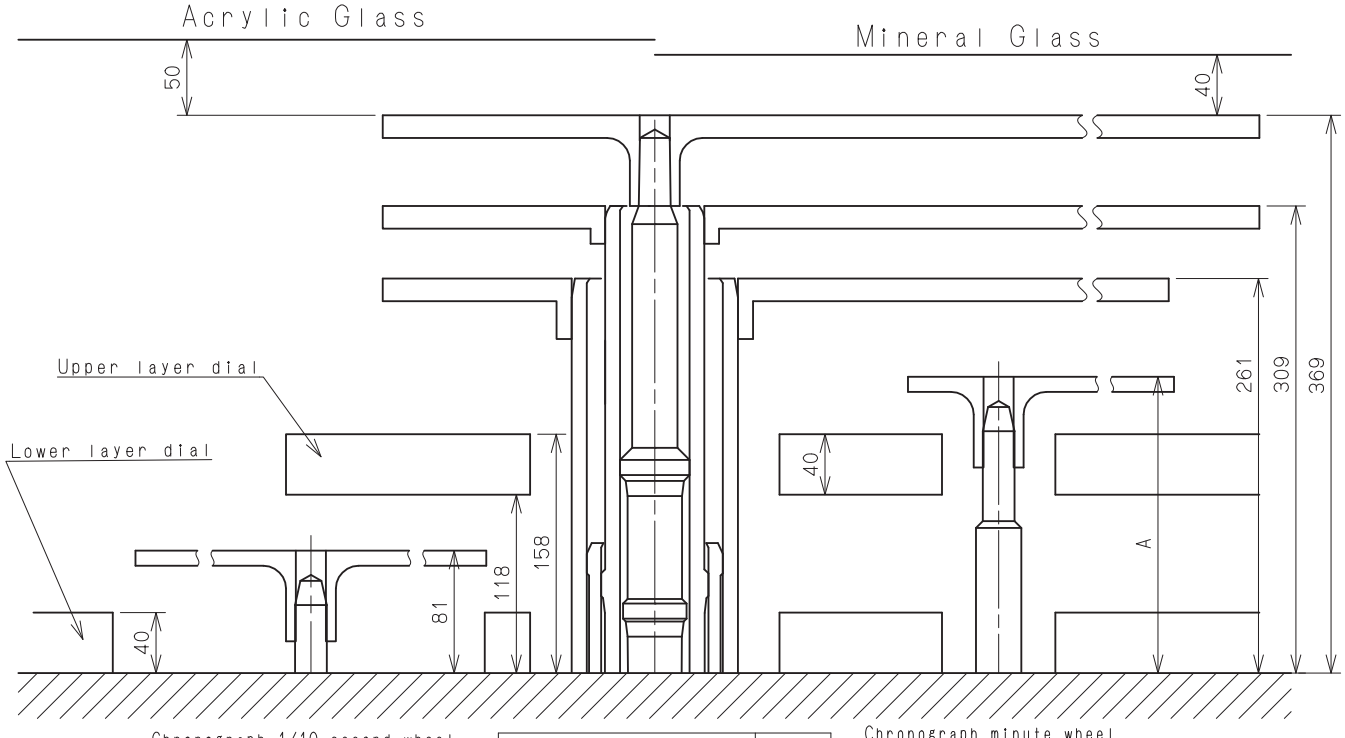
Hand Fitting - 2

VD57C

TYPE LLA/LLB



	Part No.					
	Hour wheel 時針輪	Center wheel 分針輪	Fourth wheel 秒針輪	Chronograph minute wheel 計時分針輪	Chronograph second wheel 計時秒針輪	Chronograph 1/10 second wheel 1/10計時秒針輪
TYPE LLA 特高針A	0273 199	0221 201	0144 199	0902 199	0888 199	0888 009
TYPE LLB 特高針B				0902 008	0888 009	



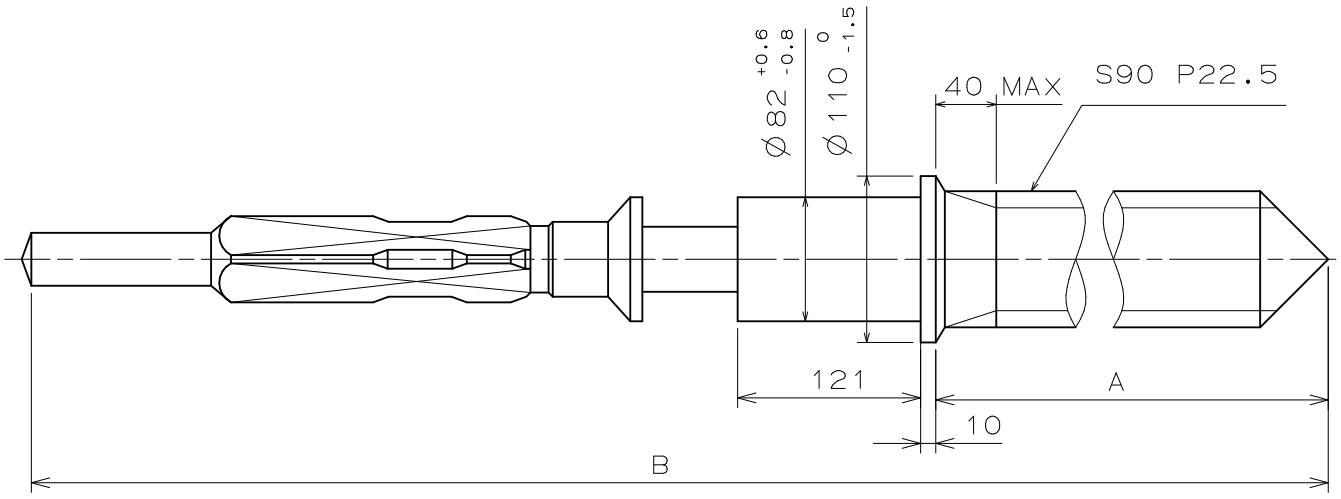
	A
TYPE LLA 特高針A	196
TYPE LLB 特高針B	81

Unit : 1=1/100mm

Version : 1

Hand Setting Stem

VD57C



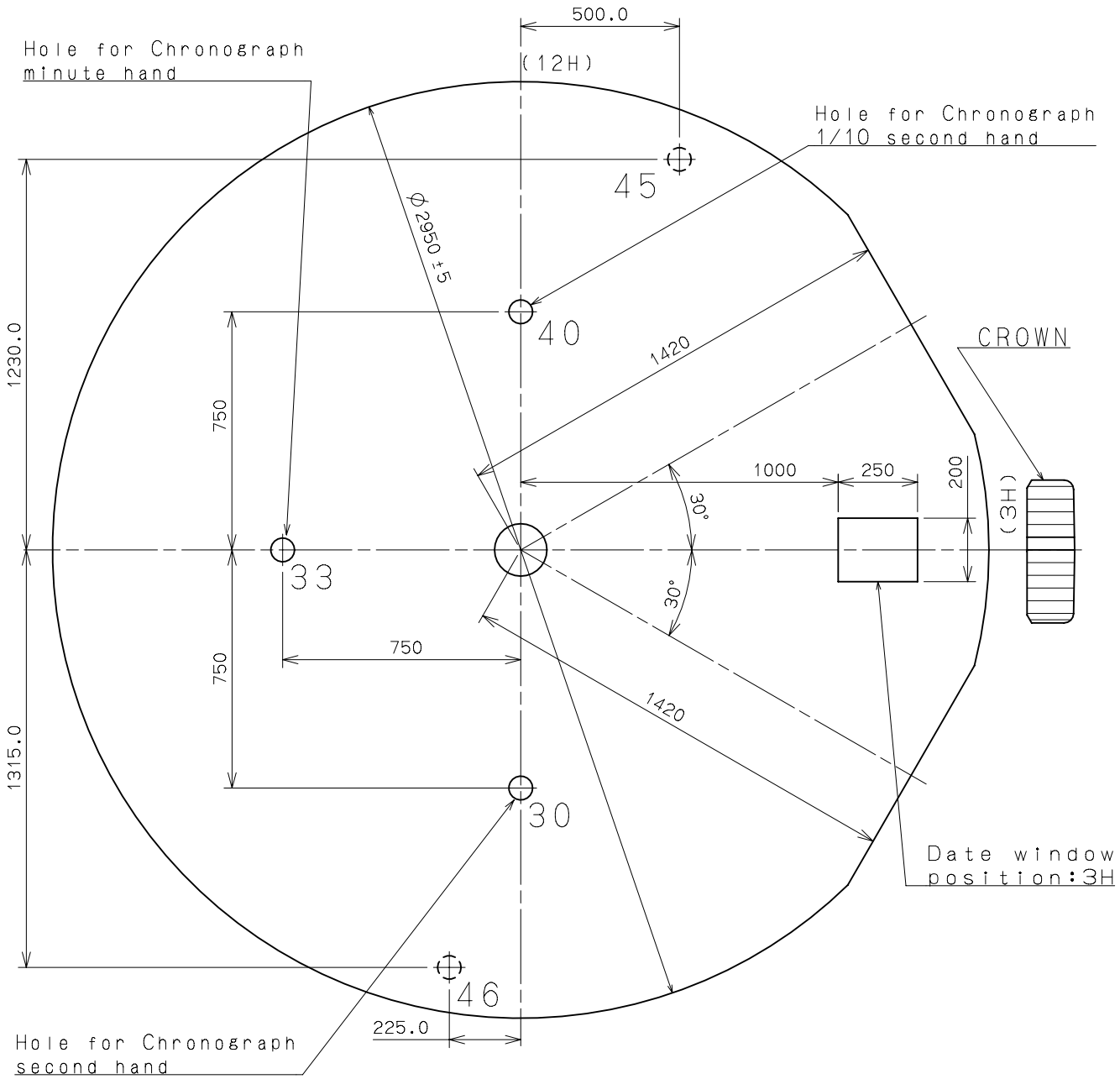
	Part No.	A	B
TYPE A	0351 177	1371	1969
TYPE B	0351 122	1947	2545

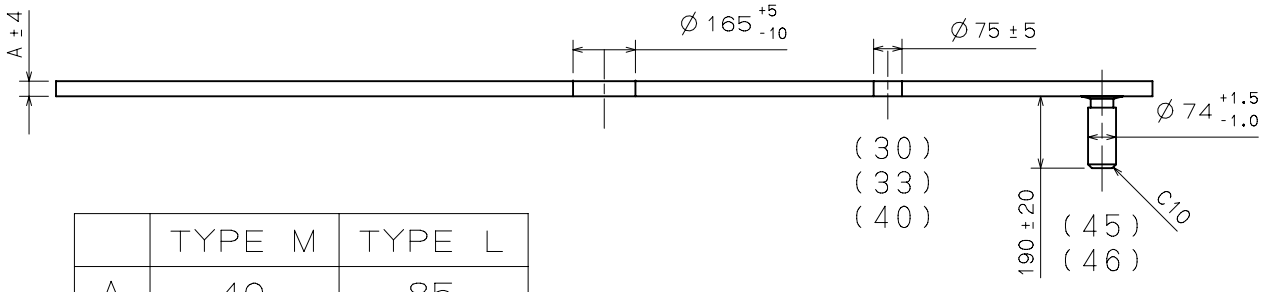
Unit : 1=1/100mm

Version : 1

Dial - 1

VD57C





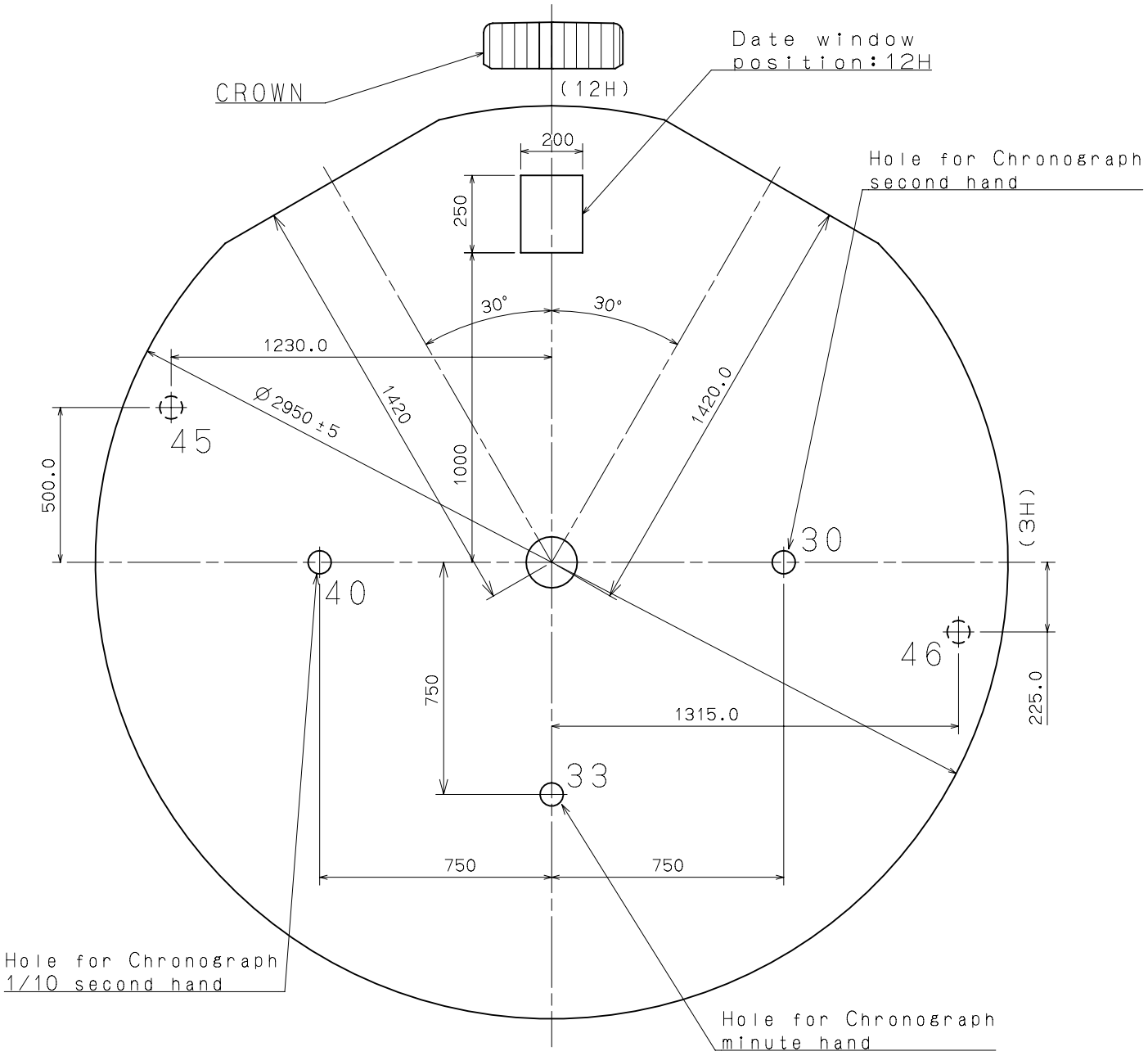
	TYPE M	TYPE L
A	40	85

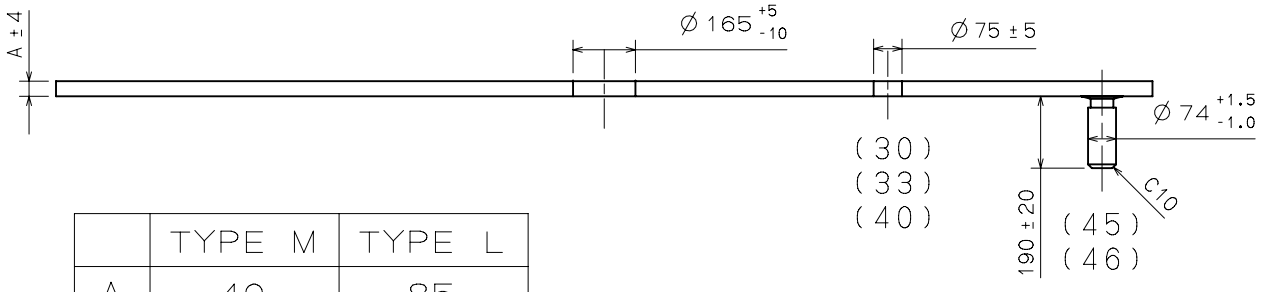
Unit : 1=1/100mm

Version : 1

Dial - 2

VD57C





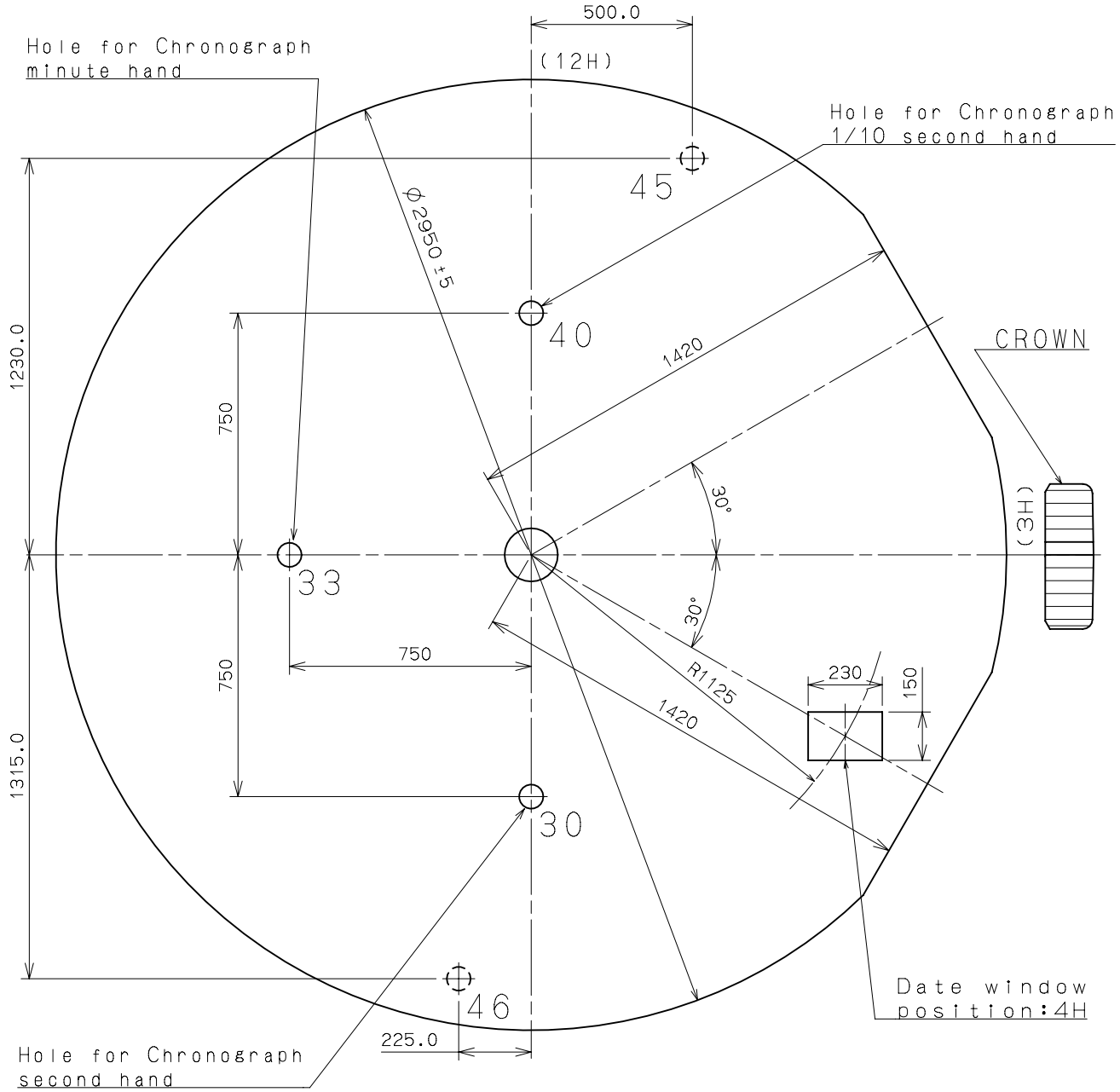
	TYPE M	TYPE L
A	40	85

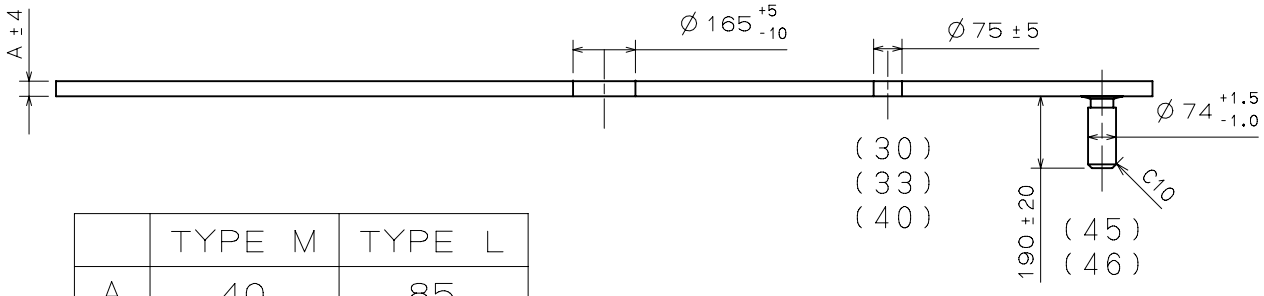
Unit : 1=1/100mm

Version : 1

Dial - 3

VD57C





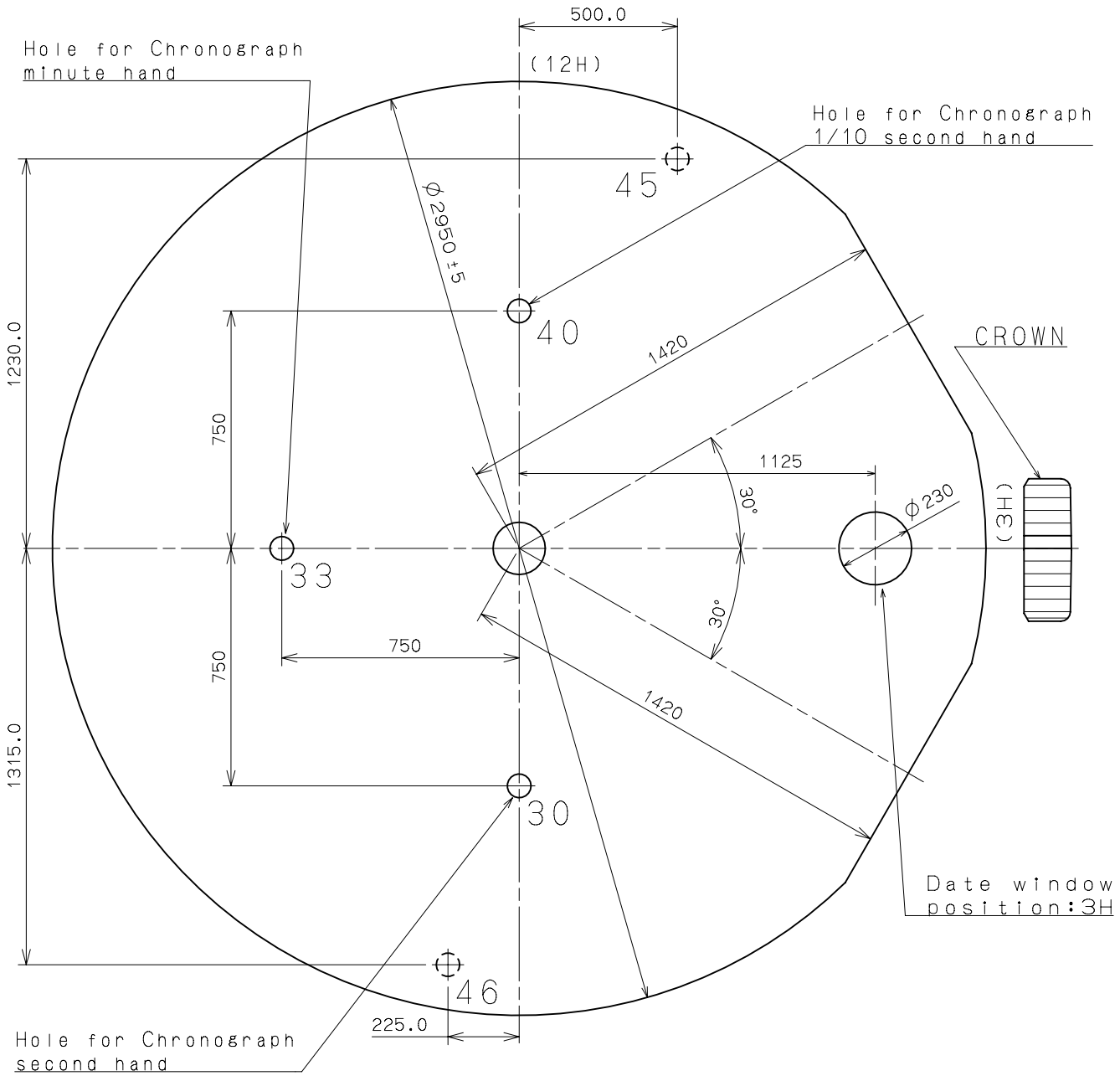
	TYPE M	TYPE L
A	40	85

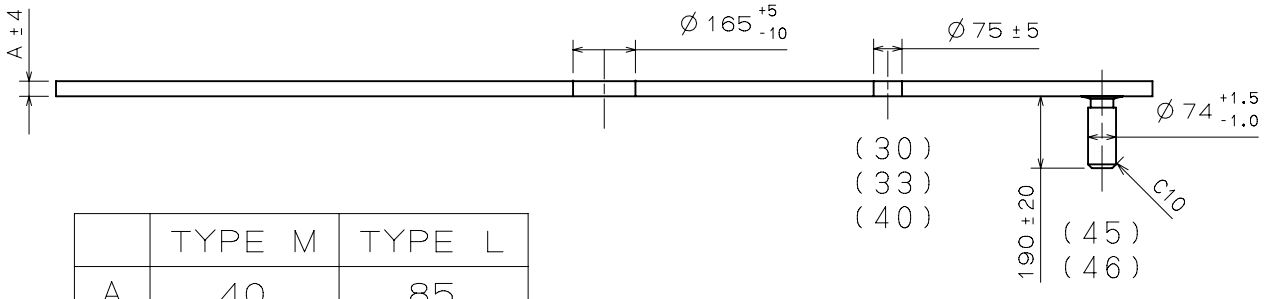
Unit : 1=1/100mm

Version : 1

Dial - 4

VD57C





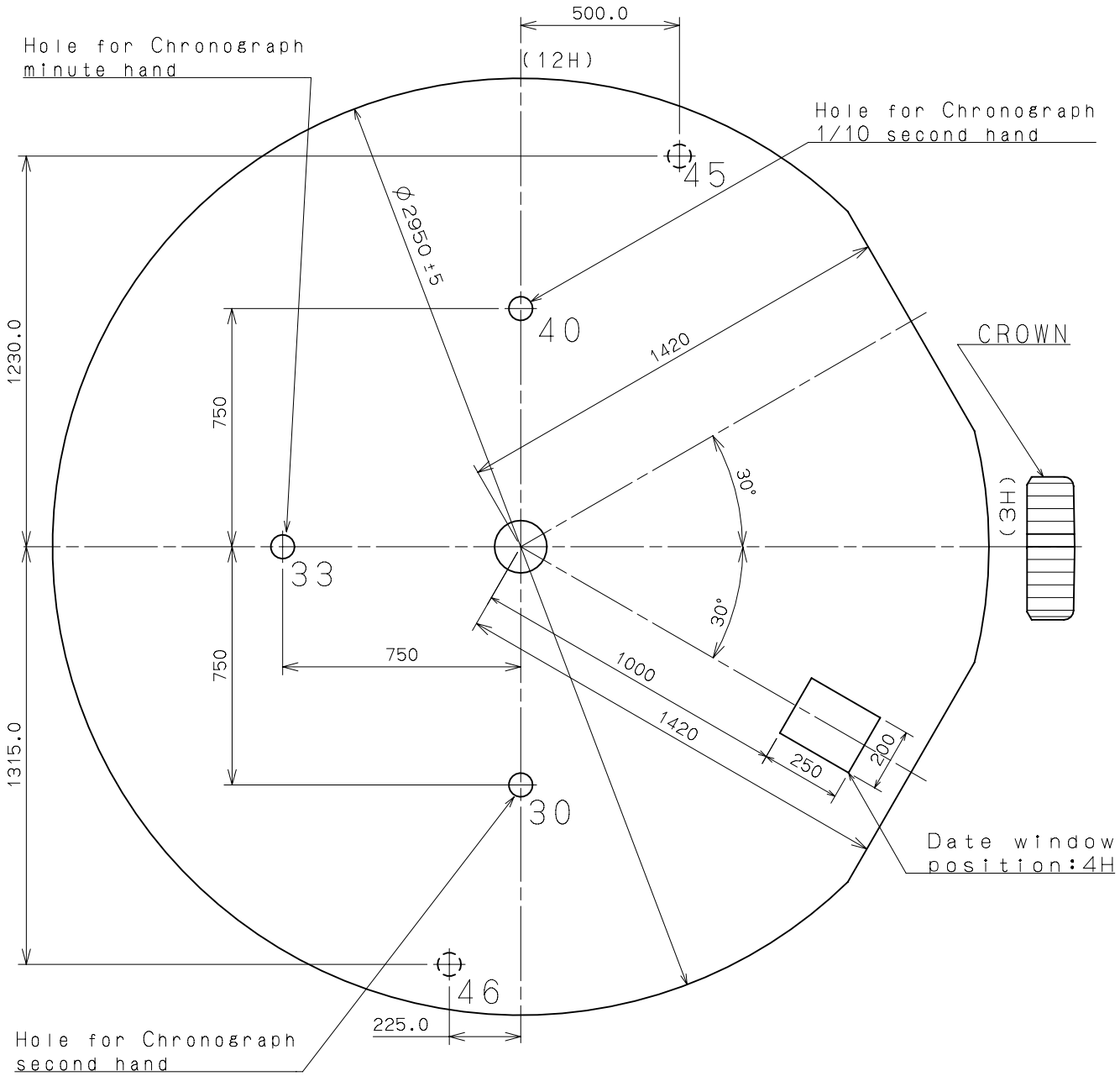
	TYPE M	TYPE L
A	40	85

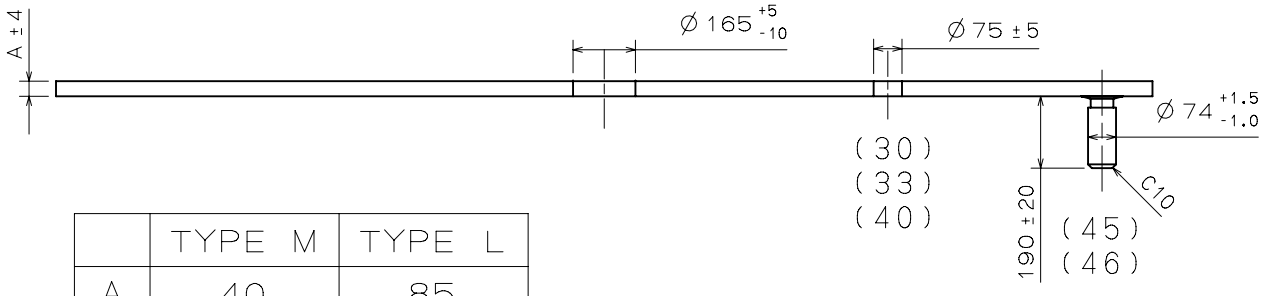
Unit : 1=1/100mm

Version : 1

Dial - 5

VD57C





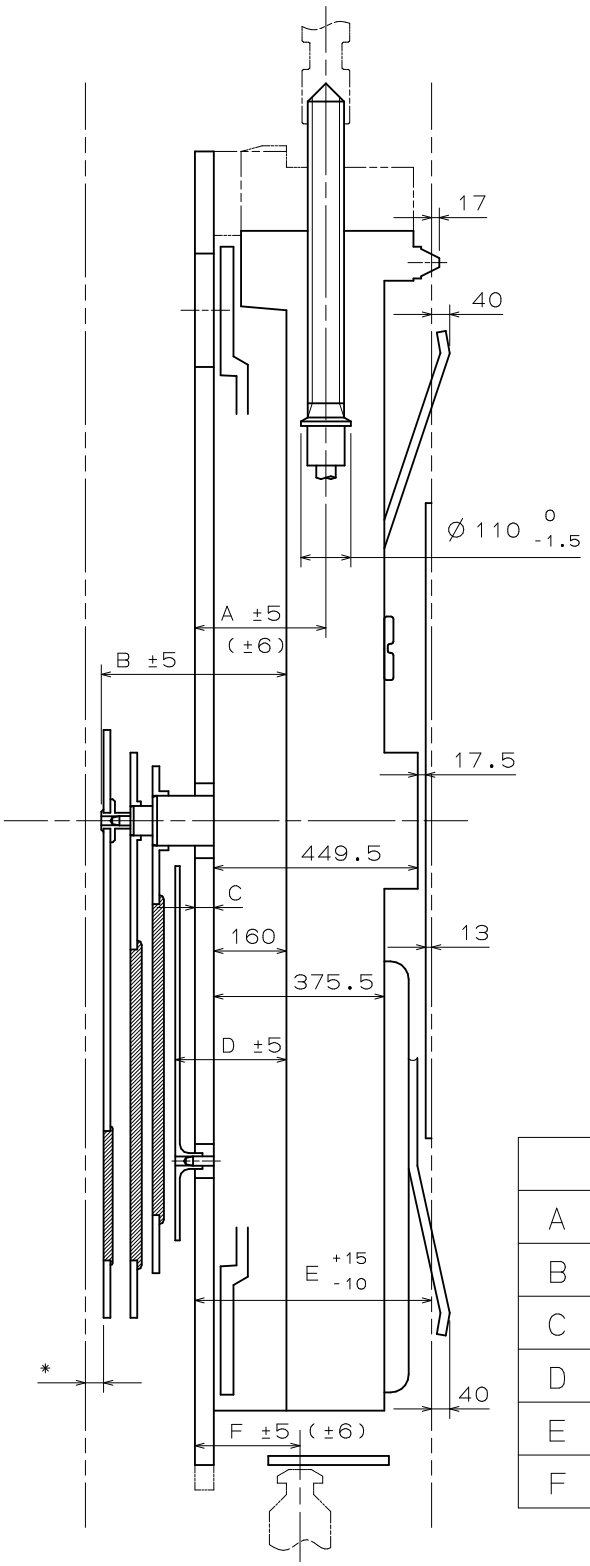
	TYPE M	TYPE L
A	40	85

Unit : 1=1/100mm

Version : 1

Assembly Plan - 1

VD57C



*Acrylic Glass 50
*Mineral Glass 40

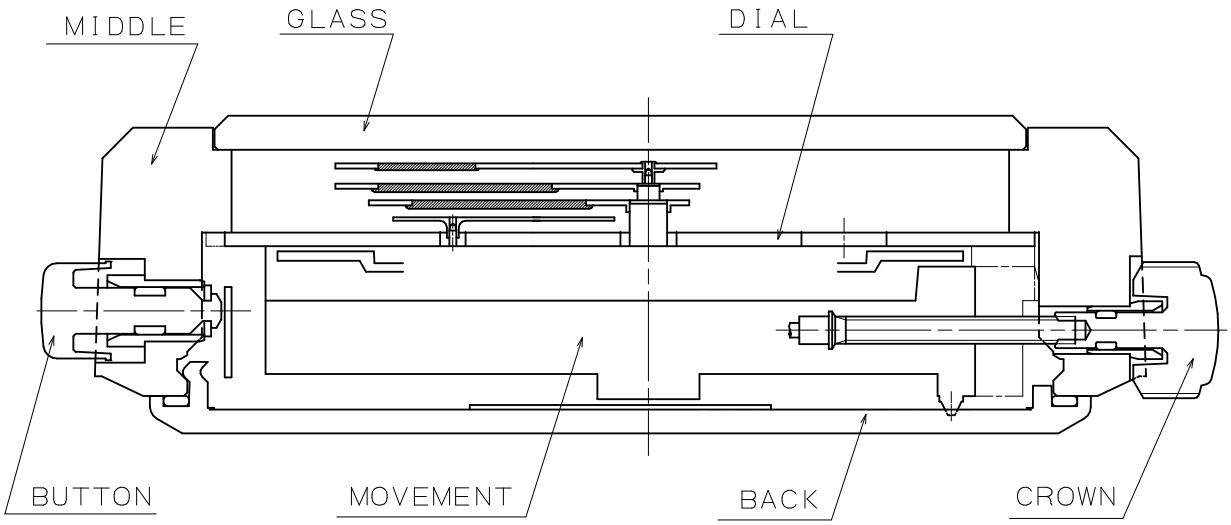
	TYPE M	TYPE L
A	287	332
B	403	448
C	40	85
D	245	290
E	520	565
F	230	275

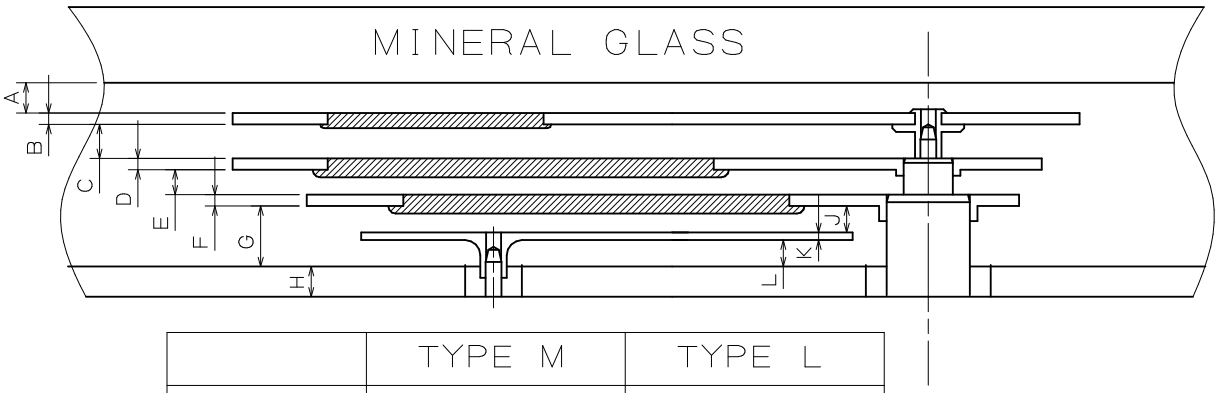
Unit : 1=1/100mm

Version : 1

Assembly Plan - 2

VD57C





	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

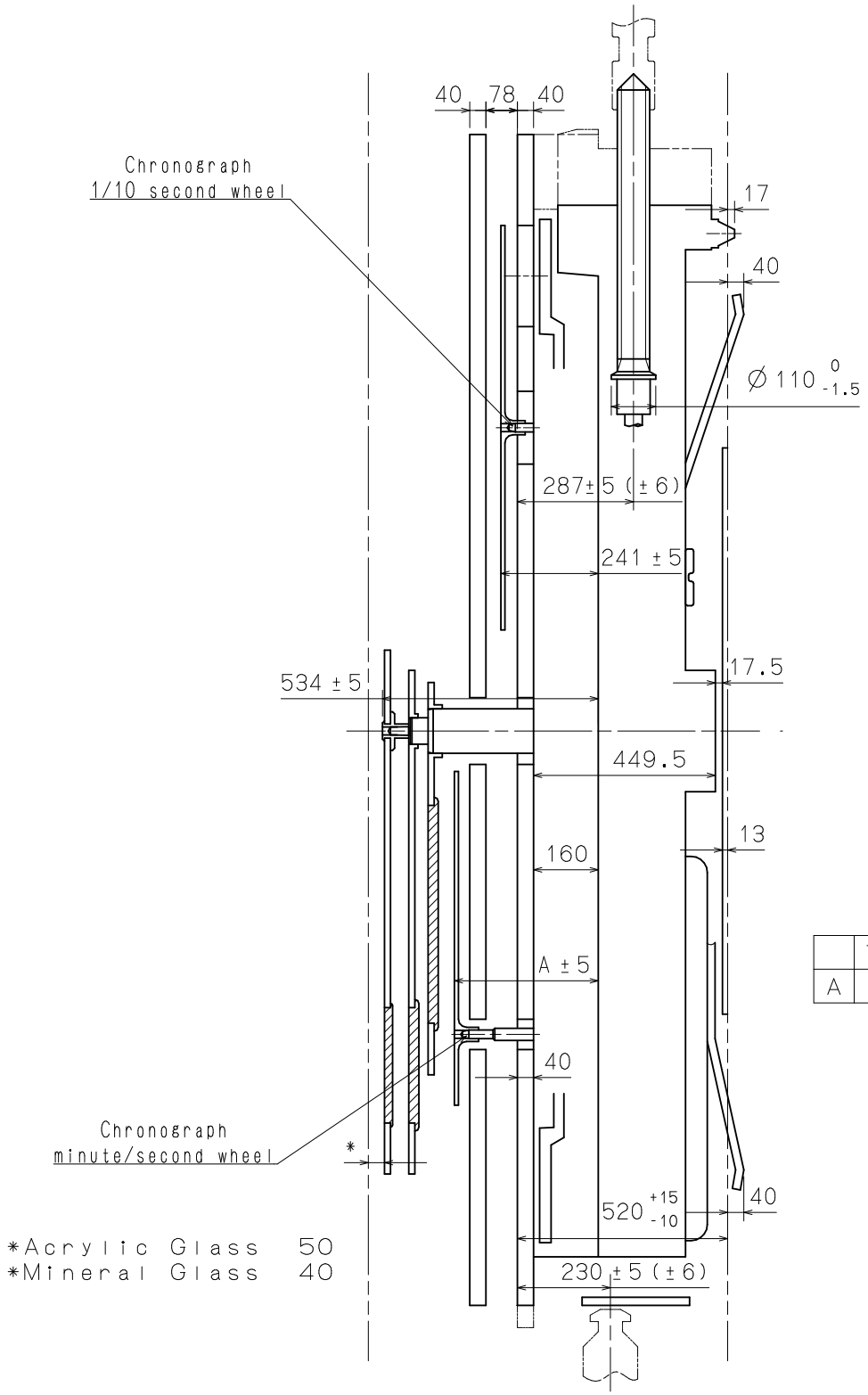
Unit : 1=1/100mm

Version : 1

Assembly Plan - 3

VD57C

TYPE LLA/LLB



	TYPE LLA	TYPE LLB
A	356	241

*Acrylic Glass 50
*Mineral Glass 40

Unit : 1=1/100mm

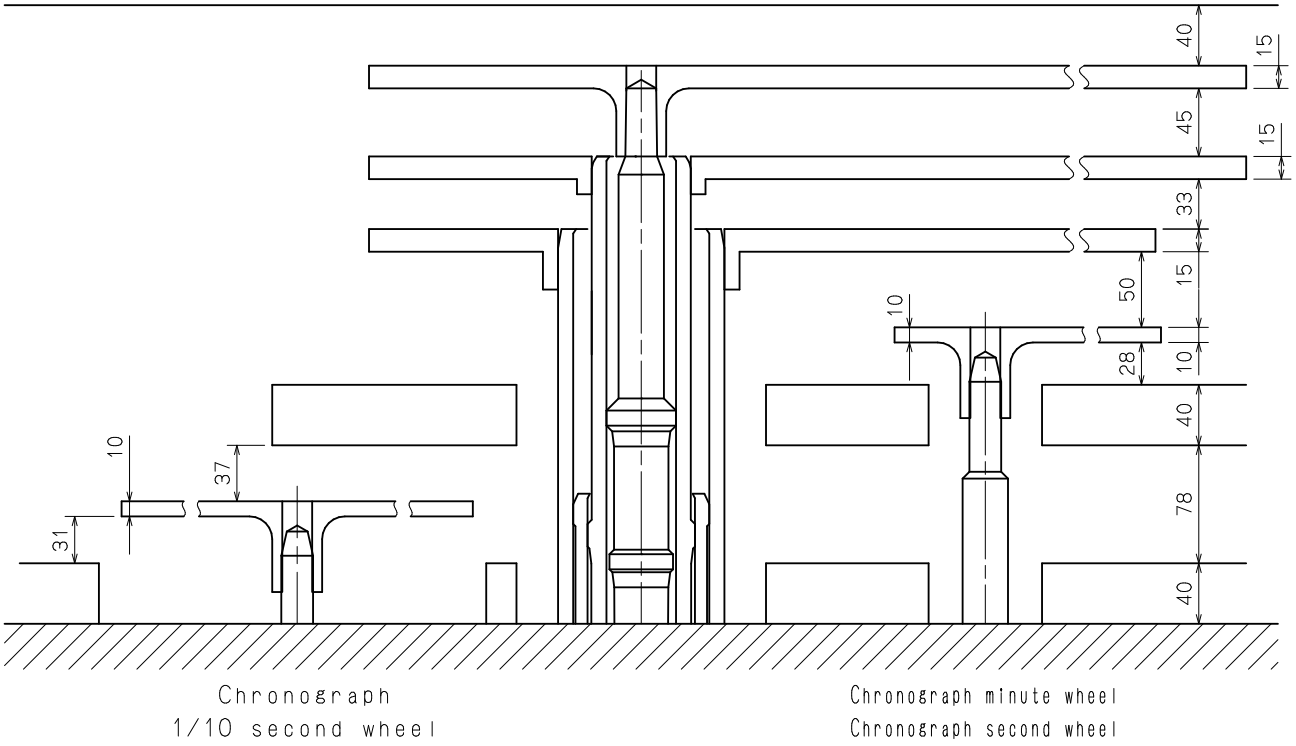
Version : 1

Assembly Plan - 4

VD57C

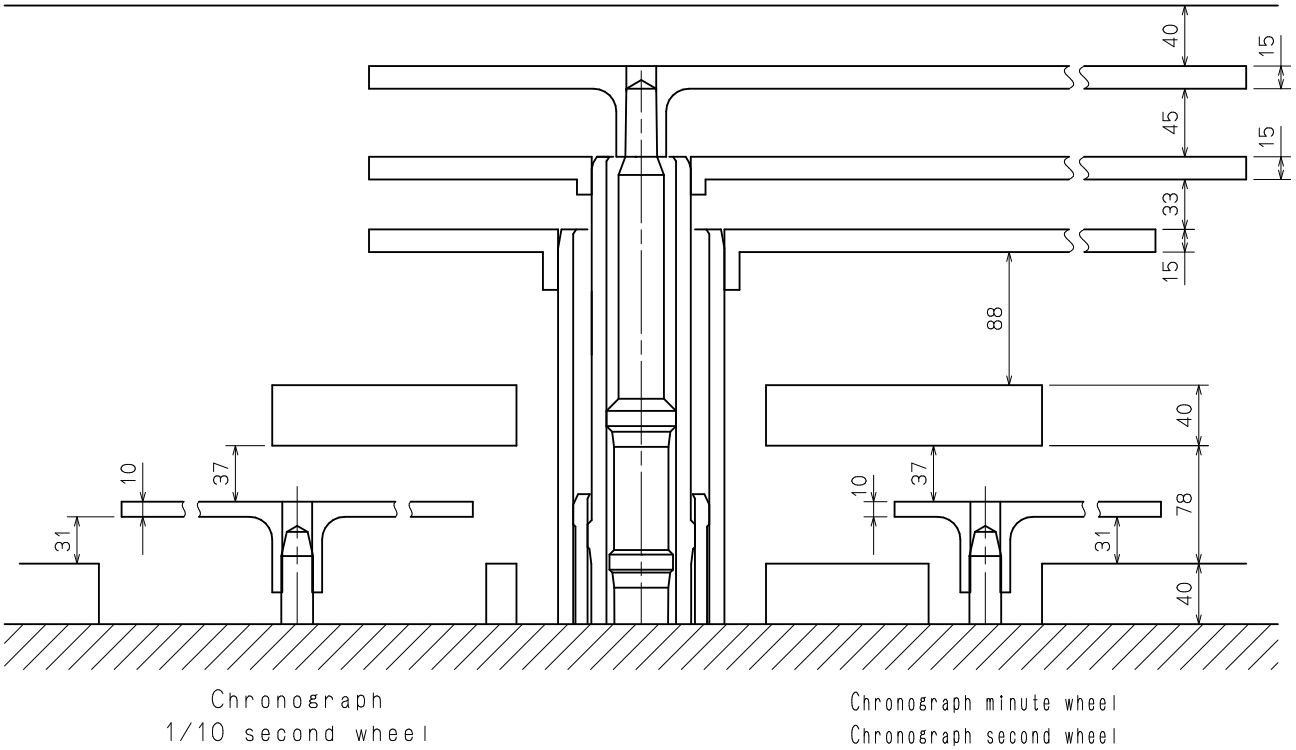
TYPE LLA

MINERAL GLASS



TYPE LLB

MINERAL GLASS

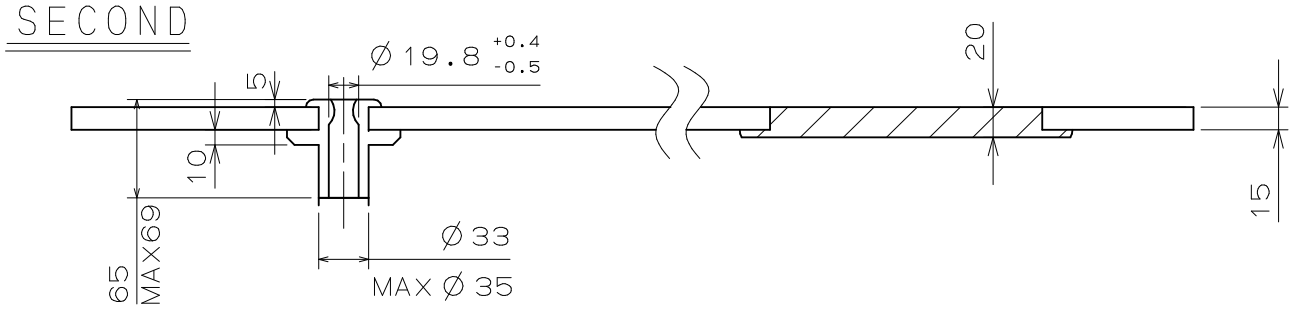


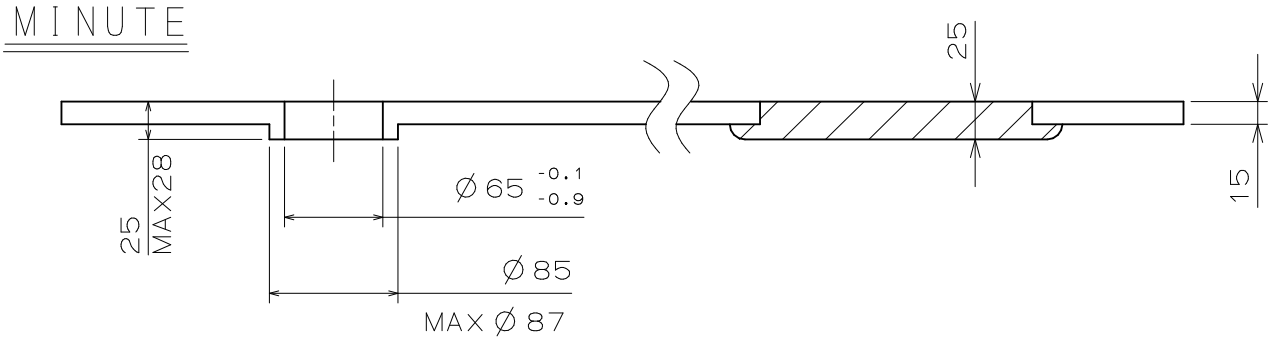
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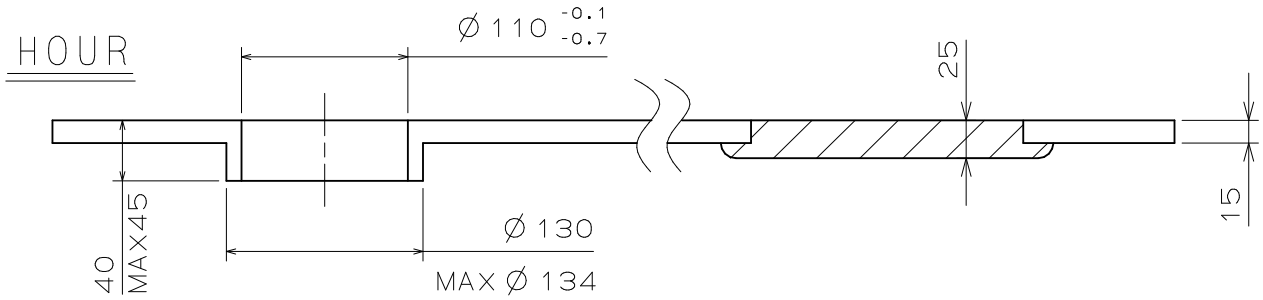
Version : 1

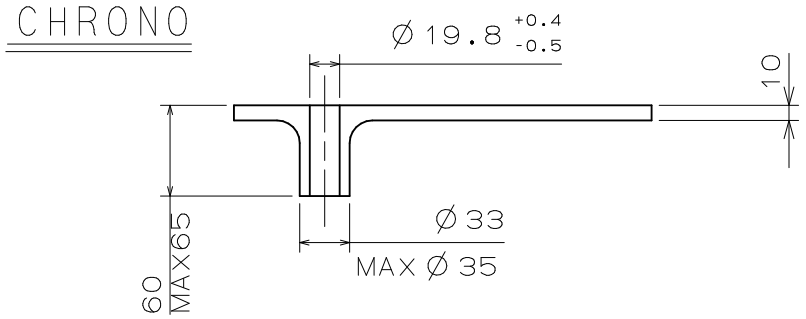
Hands

VD57C









Unit : 1=1/100mm

Version : 1