

Watch Movement Specification and Drawing

Standard Mechanical Movement

NH70A



Movement Size: **12"**
Diameter: **Φ27.40mm**
Height: **5.32mm**

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

CAL.NH70A 12 Ligne Mechanical Movement

Three Hands (skeleton)

Nickel plating

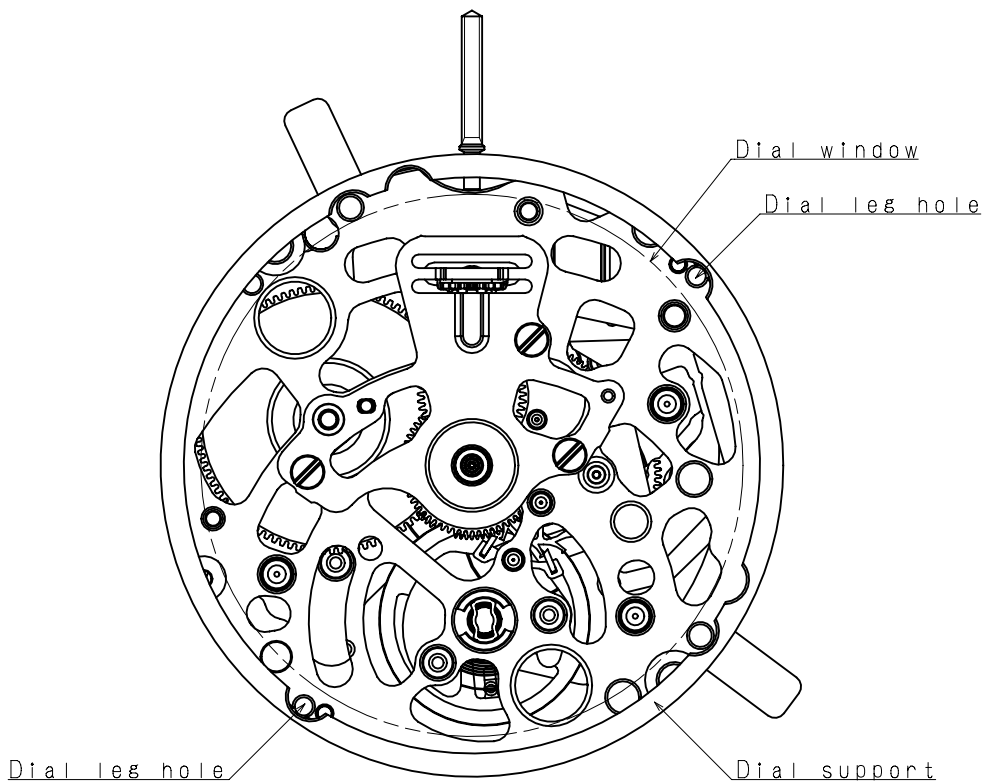
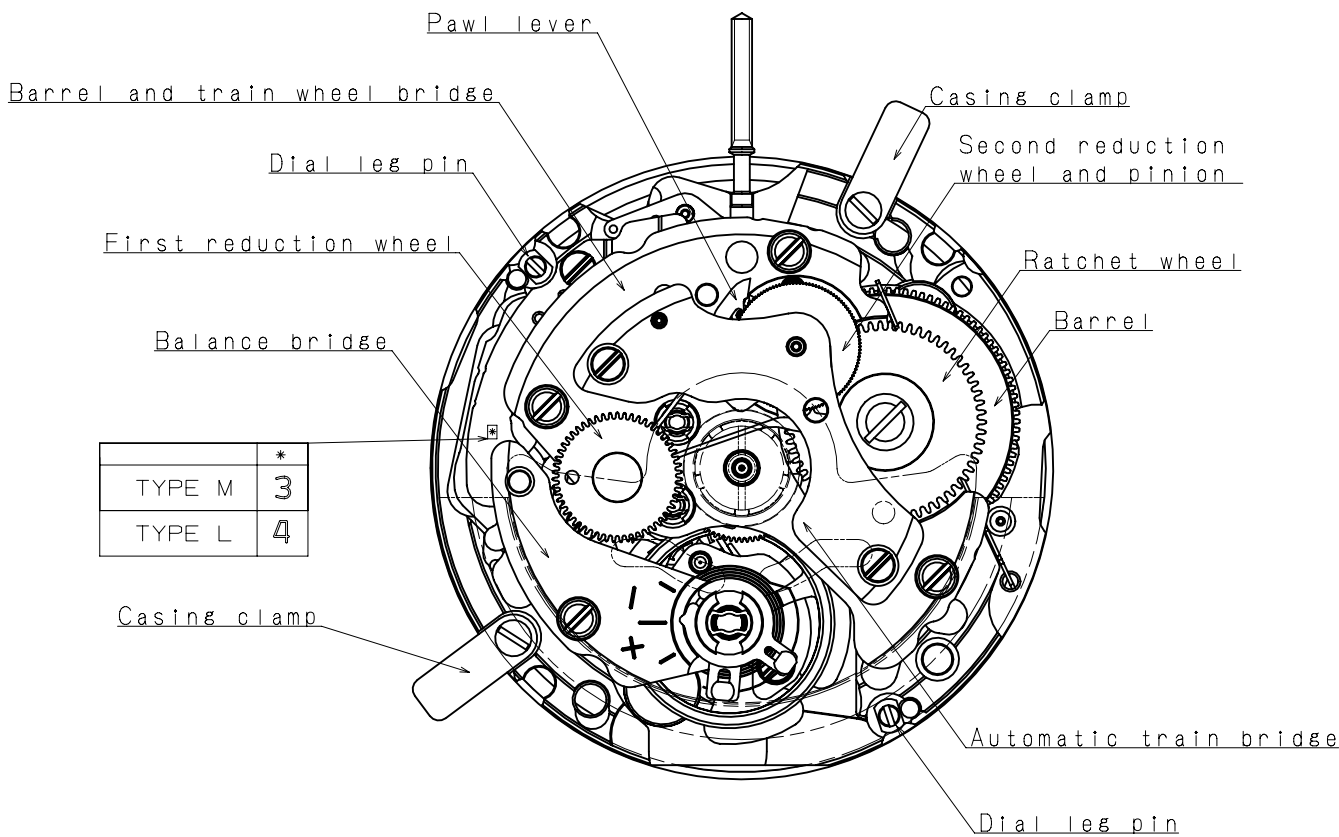
1. FUNCTION

- | | |
|------------------------------|--|
| · Jewel | 24 jewels |
| · Accuracy | -20 ~ +40 seconds / day (23 ± 2 °C) |
| · Regulation hands unbalance | Hour hand : Less than $1.50 \mu\text{N}\cdot\text{m}$ (150 mg·mm)
Minute hand : Less than $1.25 \mu\text{N}\cdot\text{m}$ (125 mg·mm)
Second hand : Less than $0.60 \mu\text{N}\cdot\text{m}$ (60 mg·mm) |
| · Additional function | Manual winding
Automatic winding with ball bearing
Both winding with one way clutch
Second hand stop mechanism |

2. USE AND TEST CONDITION

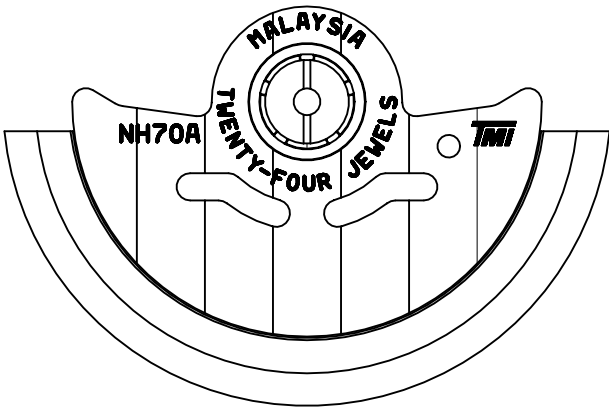
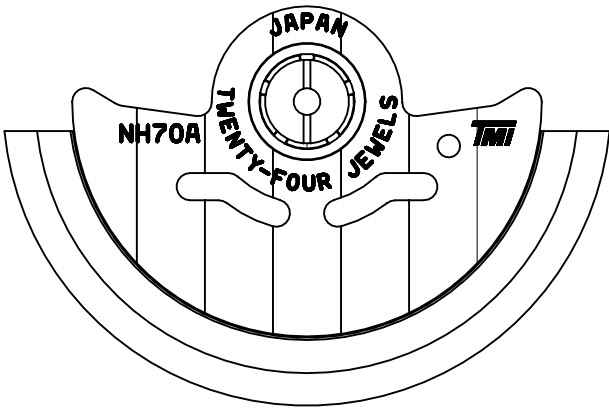
- | | |
|-----------------------|---|
| · Vibration frequency | 21,600 vibrations per hour |
| · Duration time | More than 41 hours |
| · Antimagnetic | $\geq 4800 \text{ A / m}$ (Direct current magnetic field) |
| · Test of accuracy | 20 seconds (Duration of measurement) |
| · Casing | Non-corresponding with Diver's watch |

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

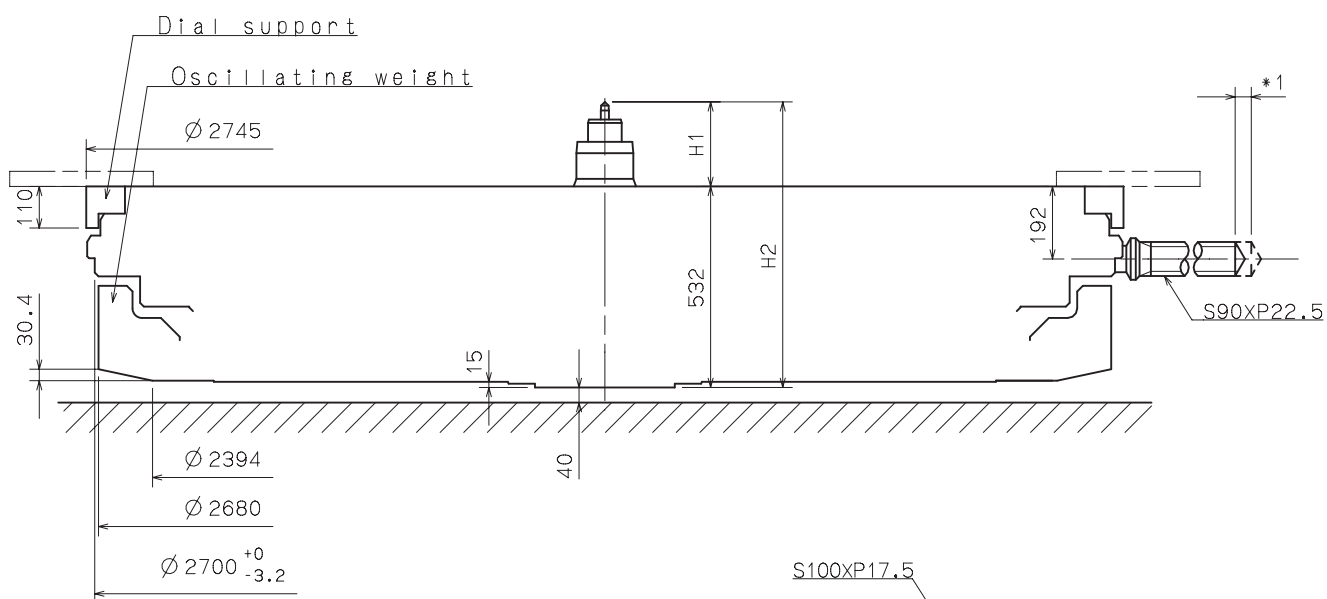


Oscillating weight

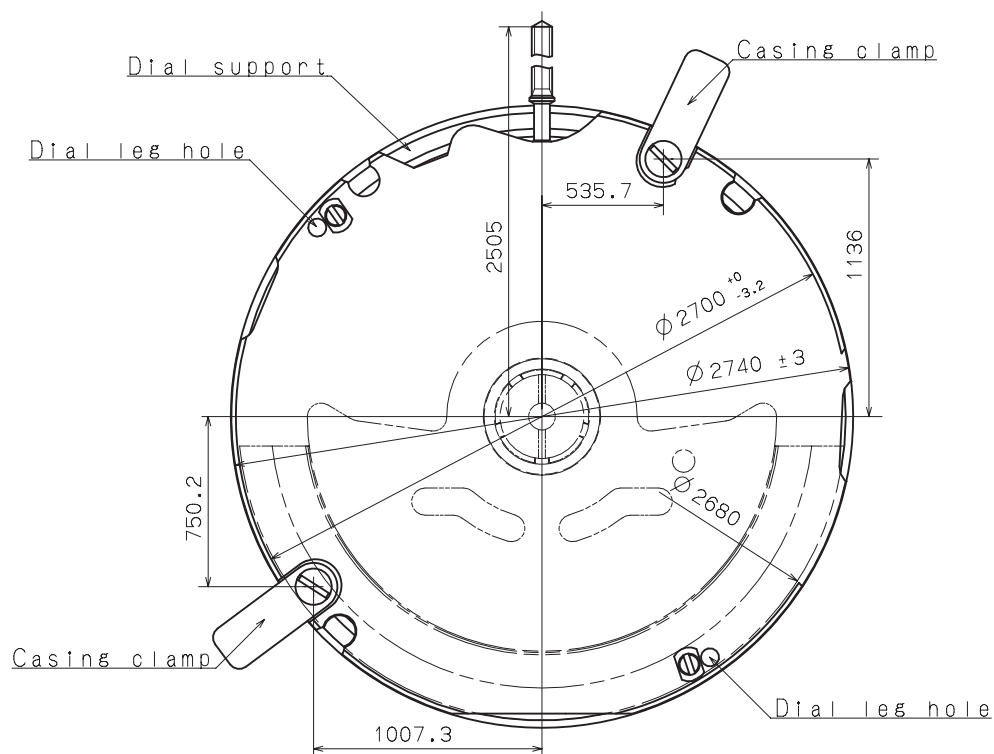
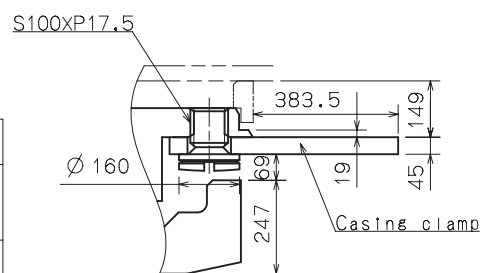
Marking	Country of origin
JAPAN	JAPAN
MALAYSIA	MALAYSIA



* 1. Pull out stroke 42.7



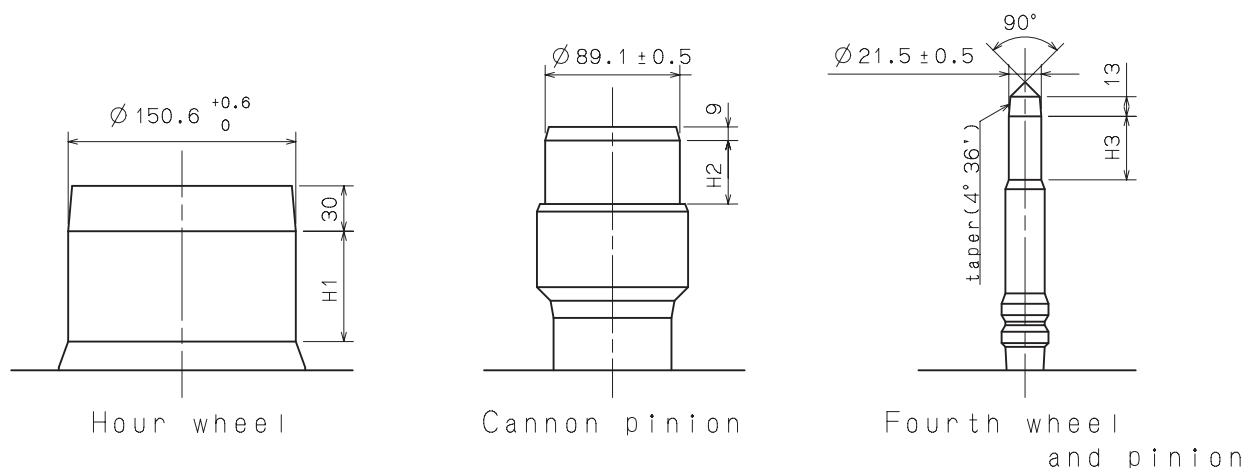
Center post 中心柱位		TYPE M 一般針高	TYPE L 高針
Maximum height from main plate surface 與機芯平面的最大高度	H 1	226 . 7	266 . 7
Total height incl. movement 機芯總高度	H2	758 . 7	798 . 7



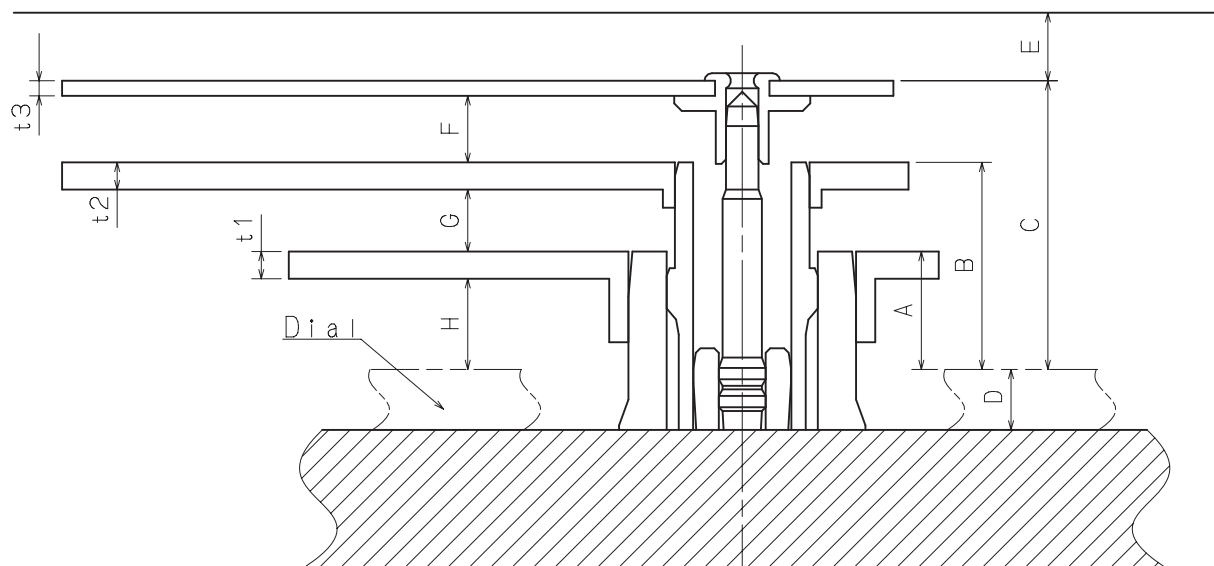
Unit : 1=1/100mm

Version : 1

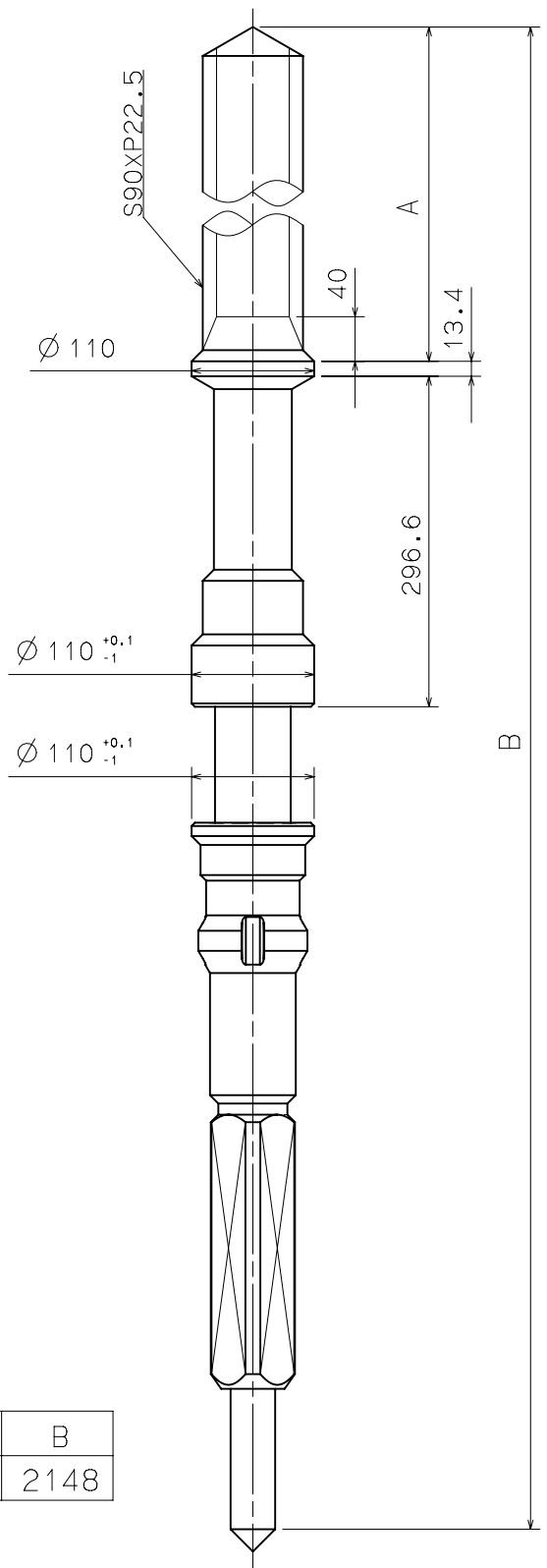
Hour hand unbalance $\leq 1.50\mu\text{N}\cdot\text{m}$ (150mg·mm)
 Minute hand unbalance $\leq 1.25\mu\text{N}\cdot\text{m}$ (125mg·mm)
 Second hand unbalance $\leq 0.60\mu\text{N}\cdot\text{m}$ (60mg·mm)



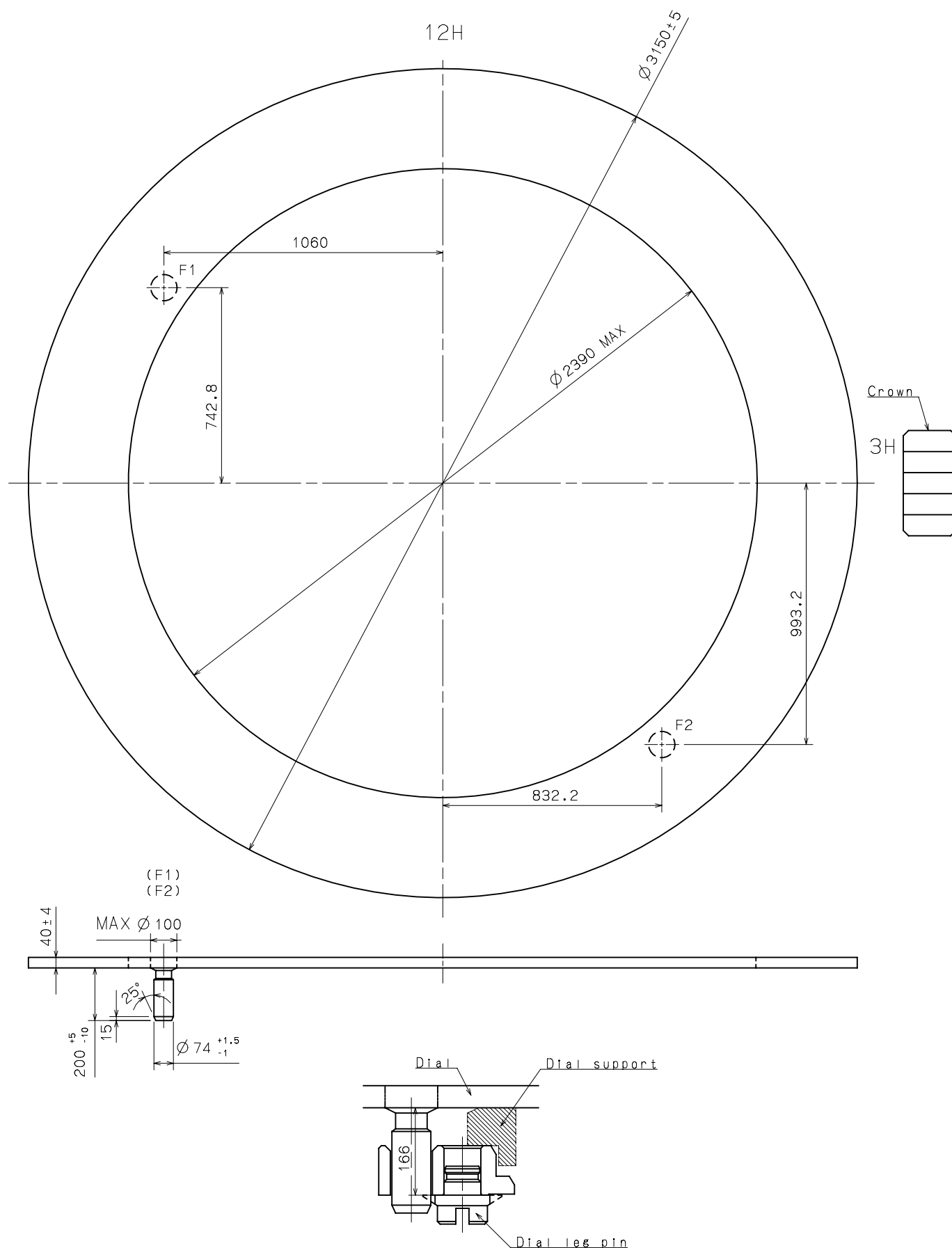
	Part No.			Dimension		
	Hour wheel 時針輪	Cannon pinion 分針輪(十反)	Fourth wheel and pinion 秒針輪	H1	H2	H3
TYPE M 一般針高	0273 183	0225 425	0144 184	68	61	42
TYPE L 高針	0273 185	0225 426	0144 185	108	61	42



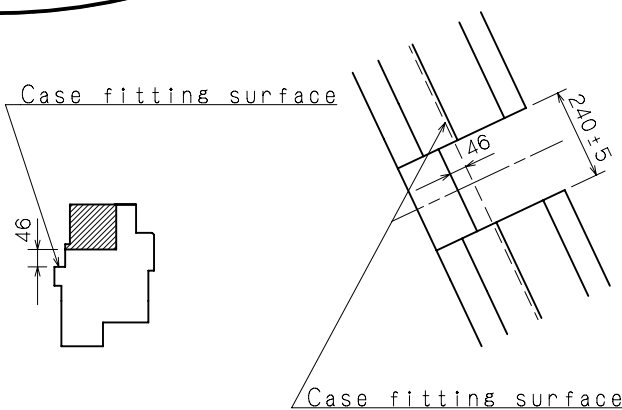
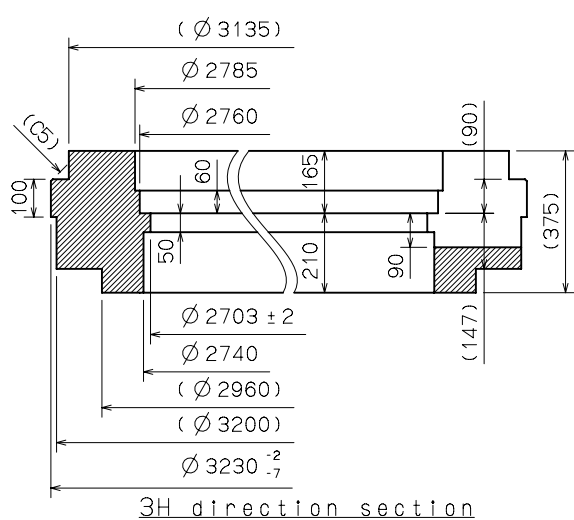
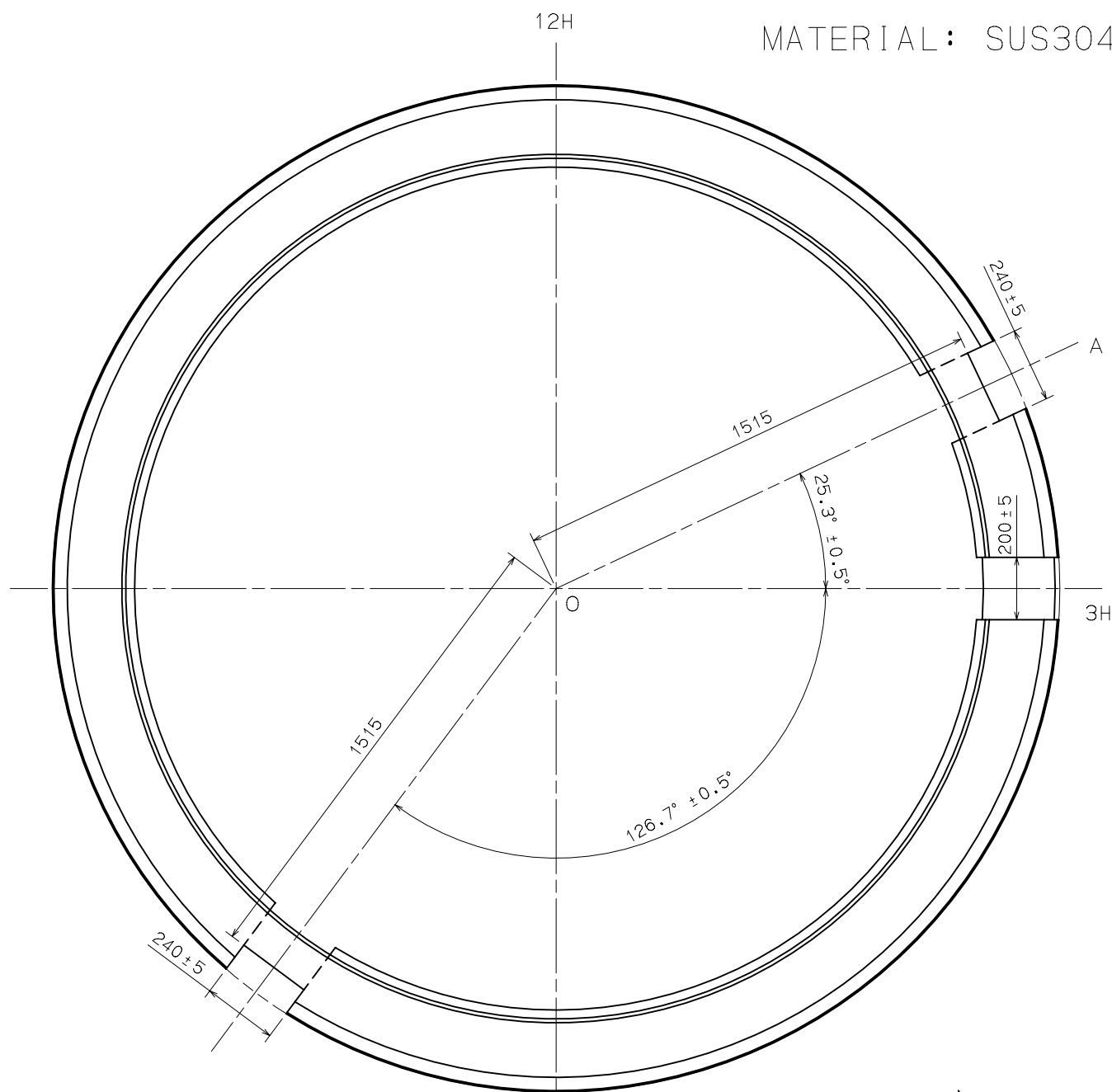
	A	B	C	D	E	F	G	H	t1	t2	t3
TYPE M 一般針高	78	137	191	40	45	44	41	60	18	18	10
TYPE L 高針	118	177	231	40	45	44	41	100	18	18	10



Part No.	A	B
0351 200	1100	2148

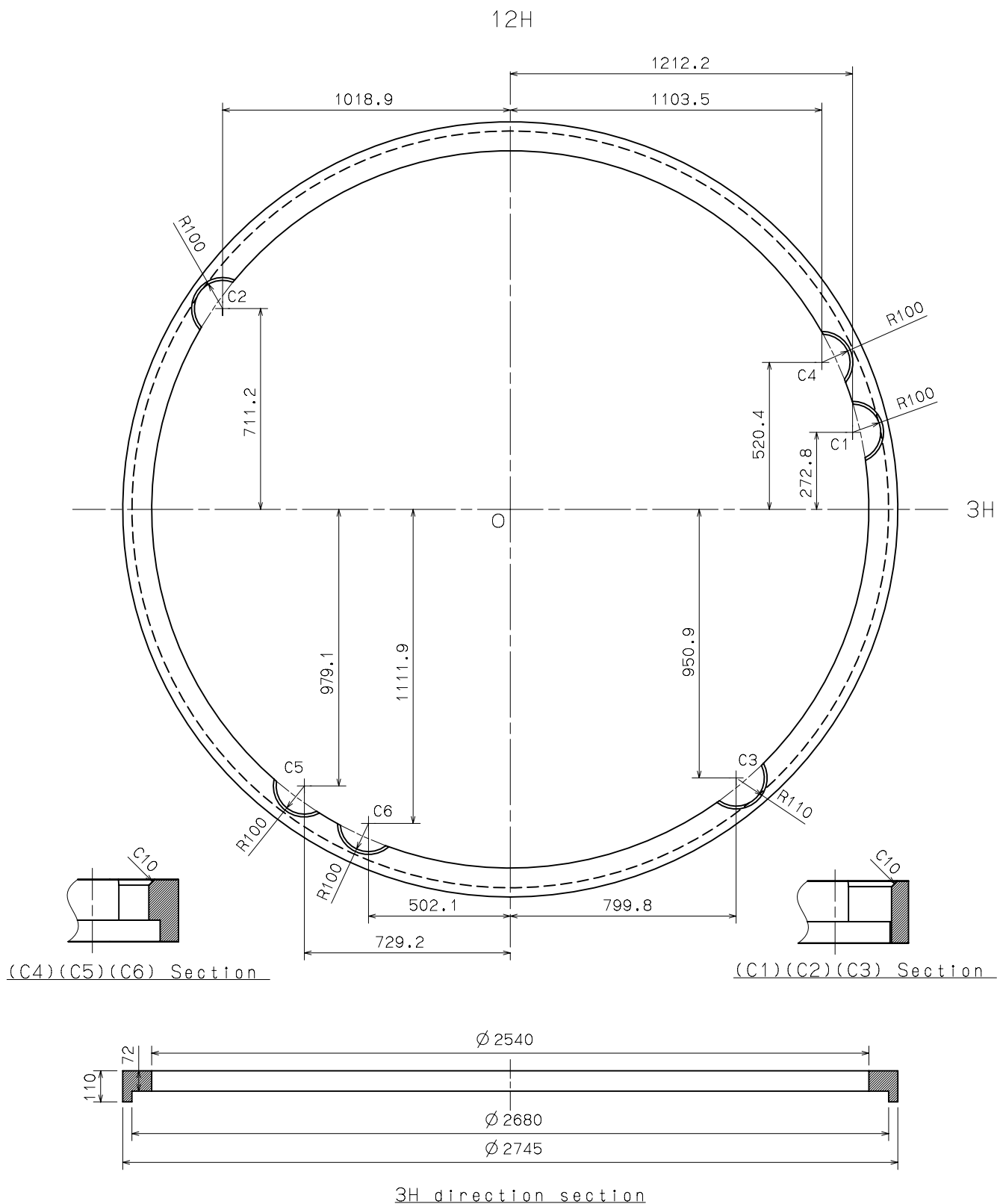


MATERIAL: SUS304



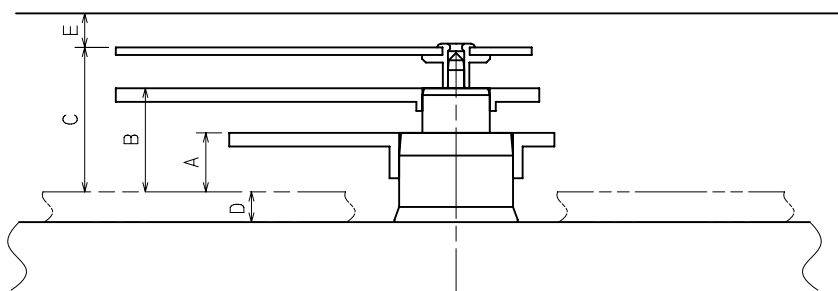
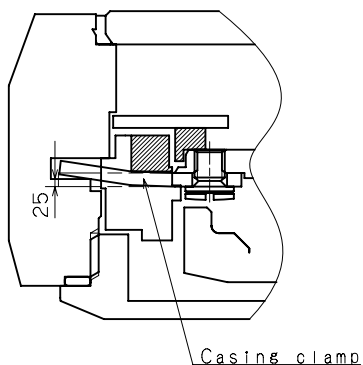
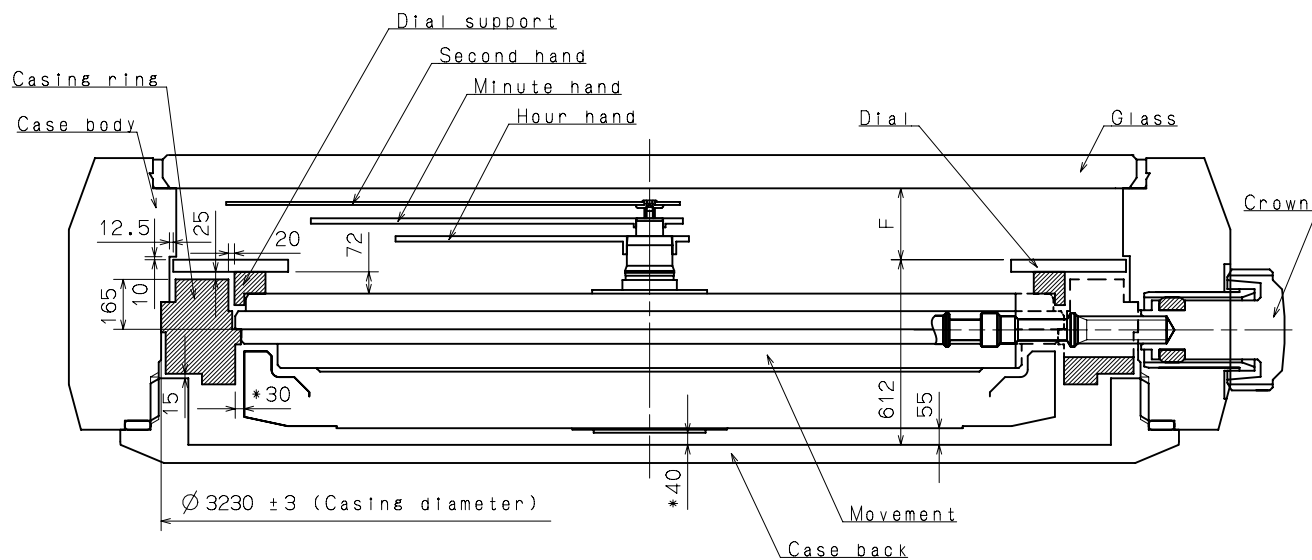
Unit : 1=1/100mm

Version : 1

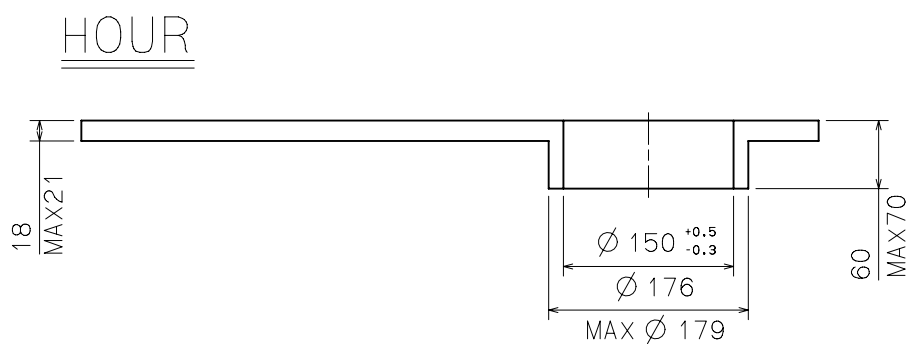
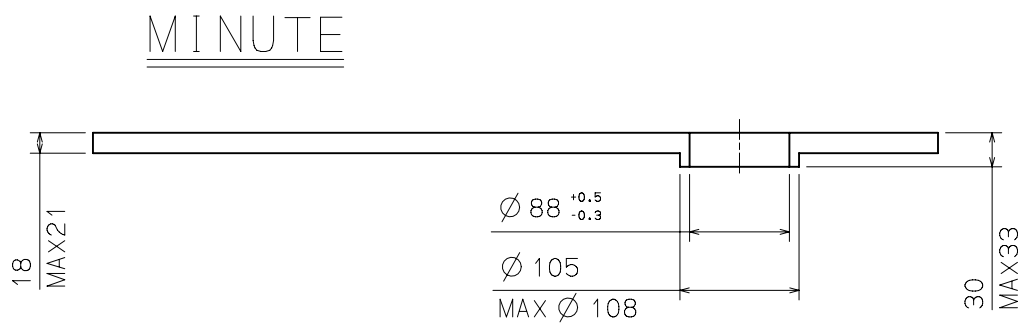
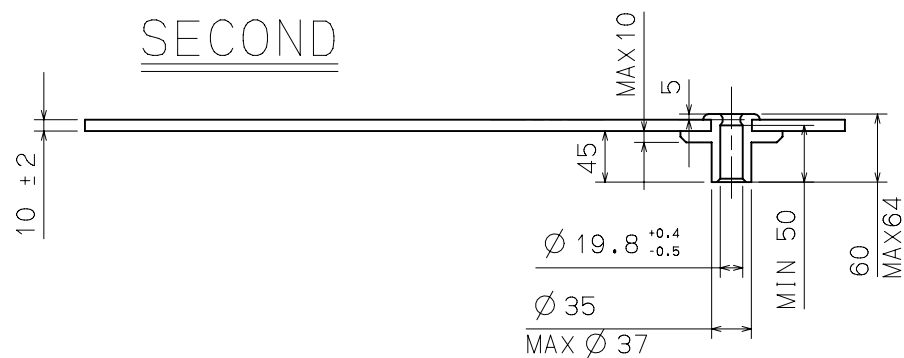


(Note for clearance *30 and *40)

It is STRONGLY RECOMMENDED that these clearances should be applied without modifications.

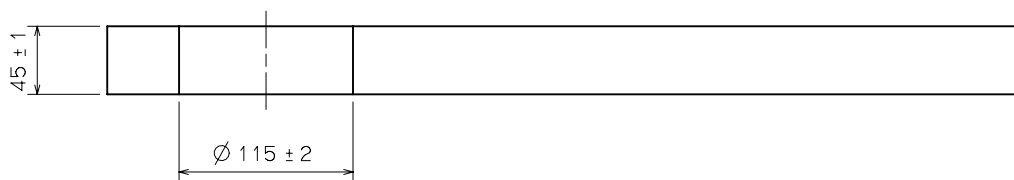
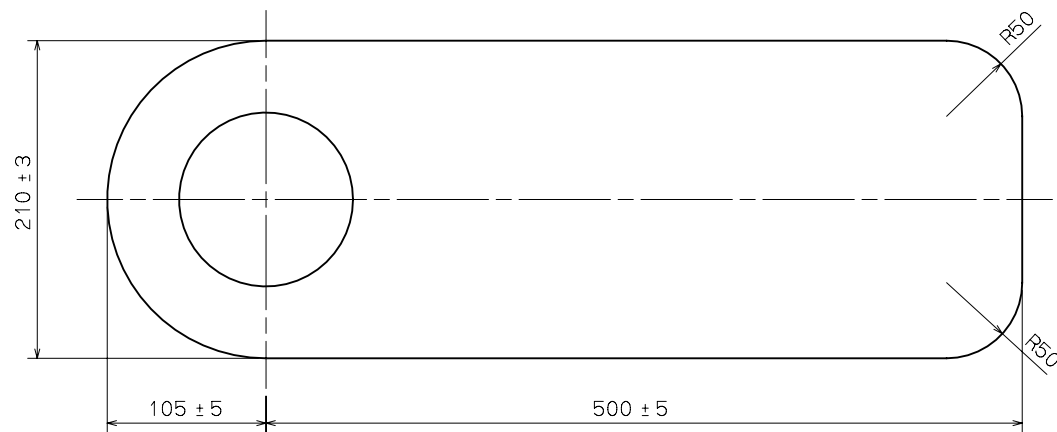


	A	B	C	D	E	F
TYPE M	78	137	191	40	45	236
TYPE L	118	177	231	40	45	276



Casing Clamp

NH70A



MATERIAL: SUS631-CSP3/4H
HARDNESS: Hv500 $\pm$ 30

Unit : 1=1/100mm

Version : 1