



Cal. VX3FA

ϕ 23.3 mm
H 3.05 mm

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Date: 17/Jul./'12

S.EPSON Products

MOVEMENT SPECIFICATIONS

Date : 29/May/'06

Rev. : 01

CAL. VX3FA

Analog Quartz 10 1/2" Slim Movement / 3 hands (H/M/S) and 4 eyes
with Day / Date / Month / 24H Rotary Disc (Sun & Moon) indicators

1. MOVEMENT DIMENSIONS

Outside diameter	ϕ 24.00mm × 21.50mm(3-9H) × 22.10mm(12-6H)
Casing diameter	ϕ 23.30mm × 21.30mm(3-9H) × 21.50mm(12-6H)
Total height	3.05mm (including battery)

2. TIME STANDARD

Type of quartz oscillator	Tuning fork
Frequency of quartz oscillator	32,768 Hz
Accuracy	±20 seconds per month (on wrist)
Operating temperature range	−5°C to +50°C
Regulation device	Nil (Pre-adjusted)

3. INDICATOR / FUNCTIONS

3 Hands	Hour / Minute / Second
3 Small hands	Day / Date / Month
24H Rotary Disc	Sun & Moon indication
Reset switch	
Setting mechanism	Crown at normal position : Free Crown pulled out 1st click : Instant date / month change Crown pulled out 2nd click : Time setting (Day change) / Reset

4. FEATURES

Jewels	1 Jewel
Anti-magnetism	Over 1600A/m (Direct current magnetic field)
Maximum unbalance of hands	Second hand : 6 mg•mm Minute hand : 65 mg•mm

5. BATTERY

Type / Size	Silver oxide battery / ϕ 9.5mm × t 1.6mm
Recommended battery	SR916SW (Maxell, Panasonic, Sony, Seizaiken)
Nominal voltage	1.55 V
Battery life	Approx. 3 years
Driving current consumption	Approx. 0.85 μ A
Operation stopping voltage	0.9 V

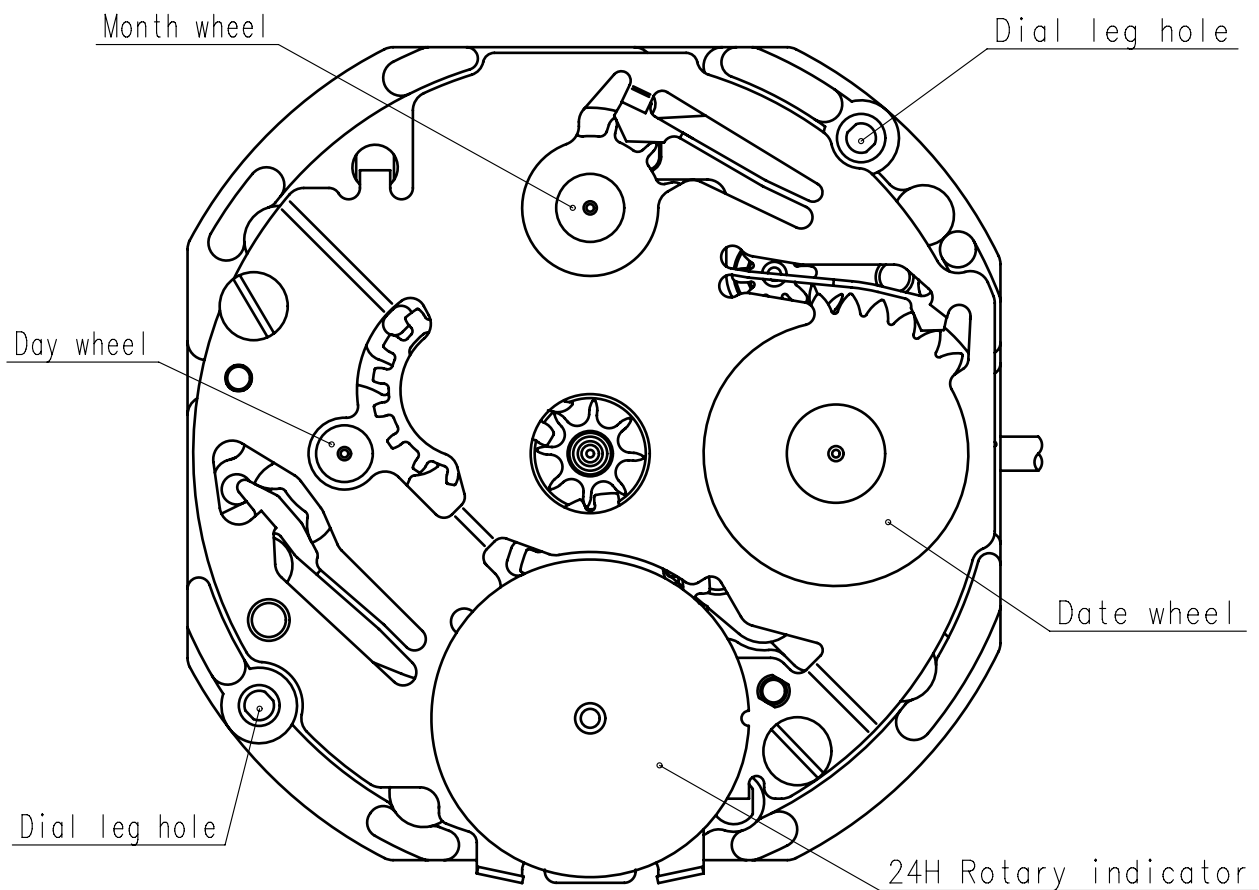
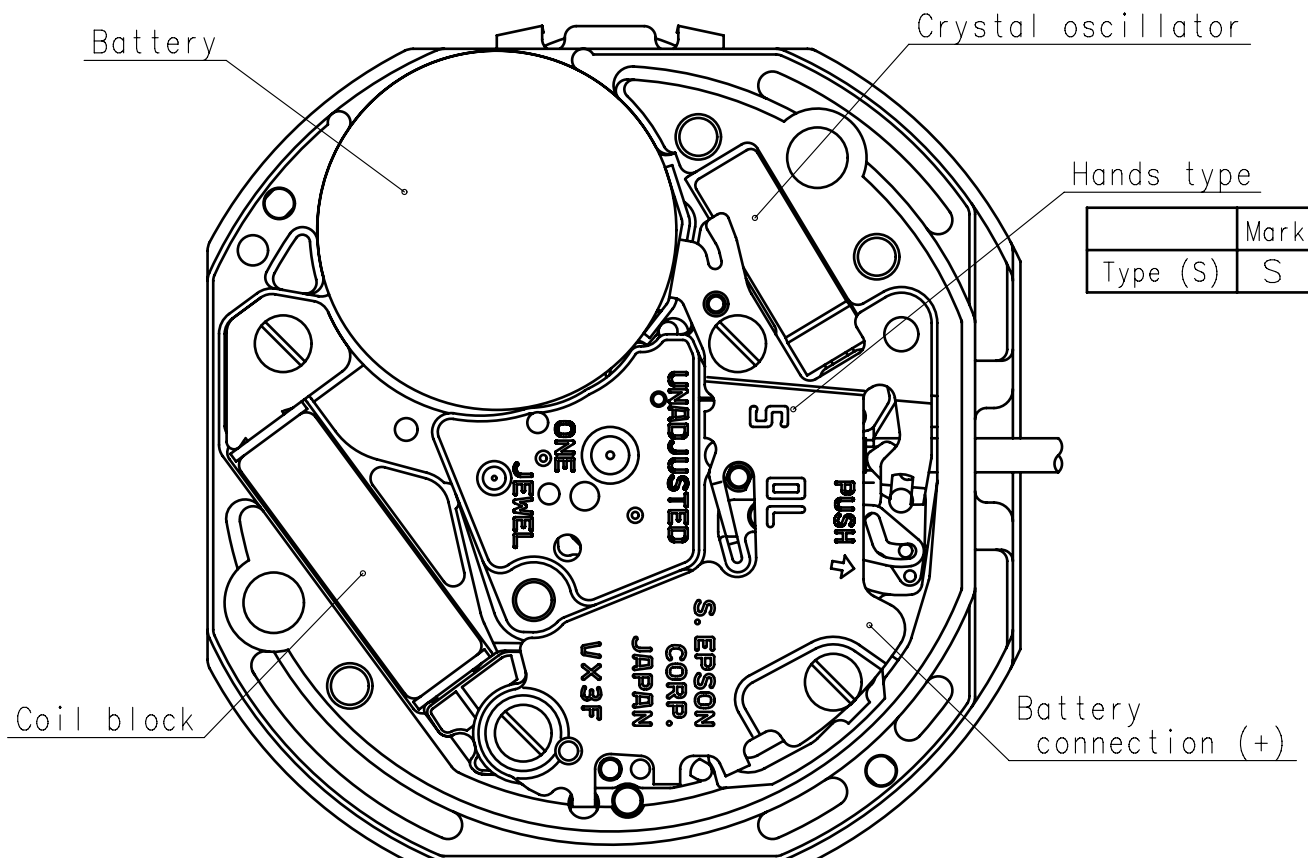
6. SEPARATED PARTS (Parts code)

Hand setting stem	0354531 or 0354534
Battery	SR916SW

7. TEST OF ACCURACY

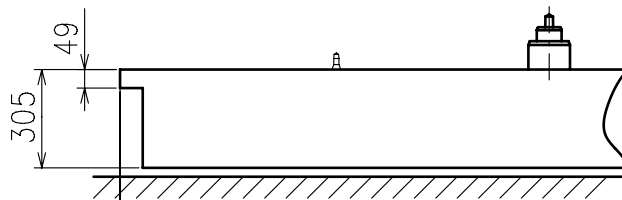
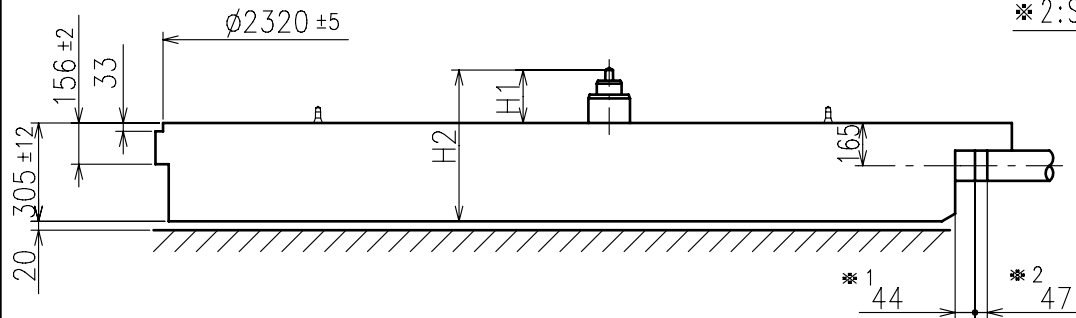
Equipment to be used	SEIKO quartz tester QT-99, Greiner quartz timer-C , Witschi Q-tester 4000
Duration of measurement	10 seconds
Microphone to be used	Electromagnetic detection type

All specifications are subject to change without notice.

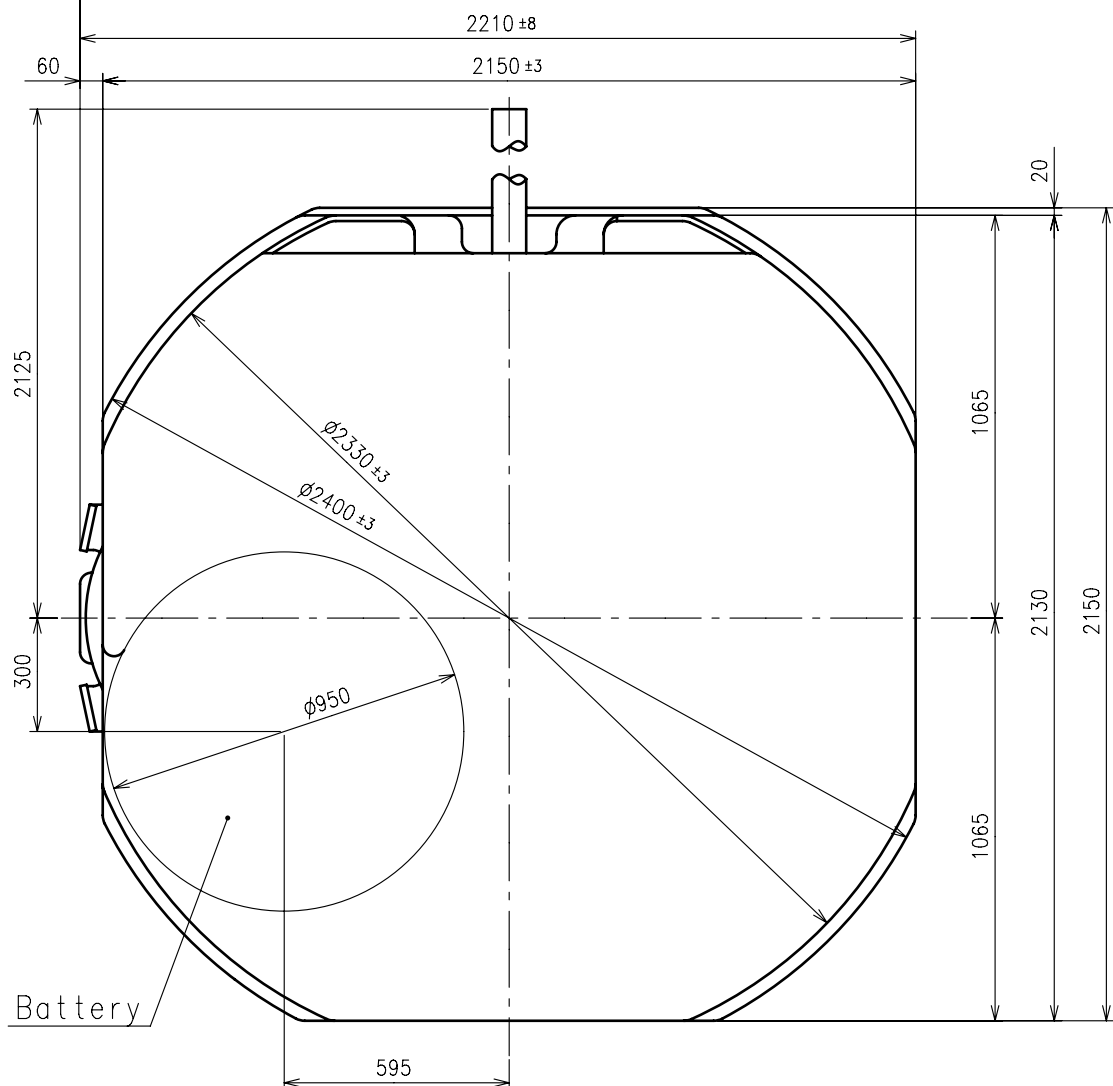


※1:First pullout stroke

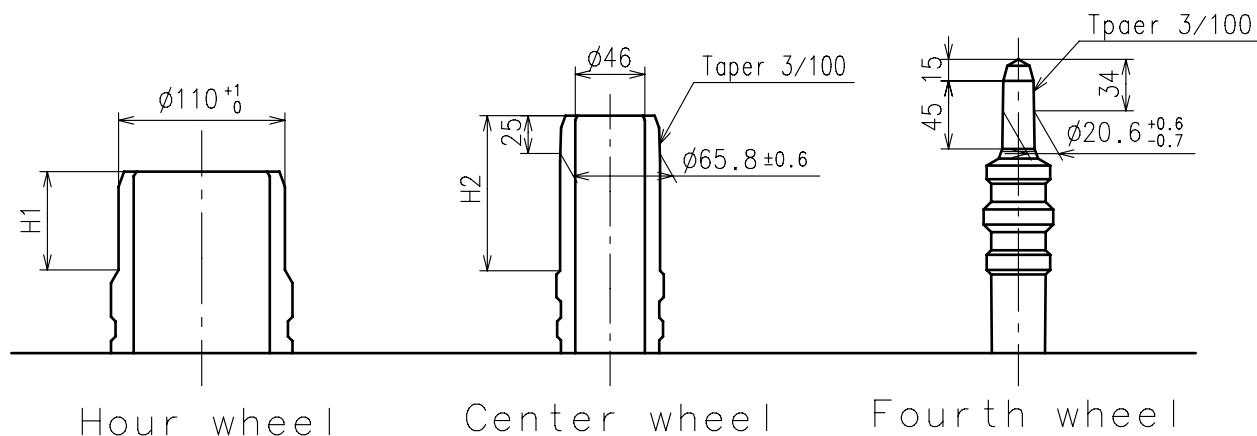
※2:Second pullout stroke



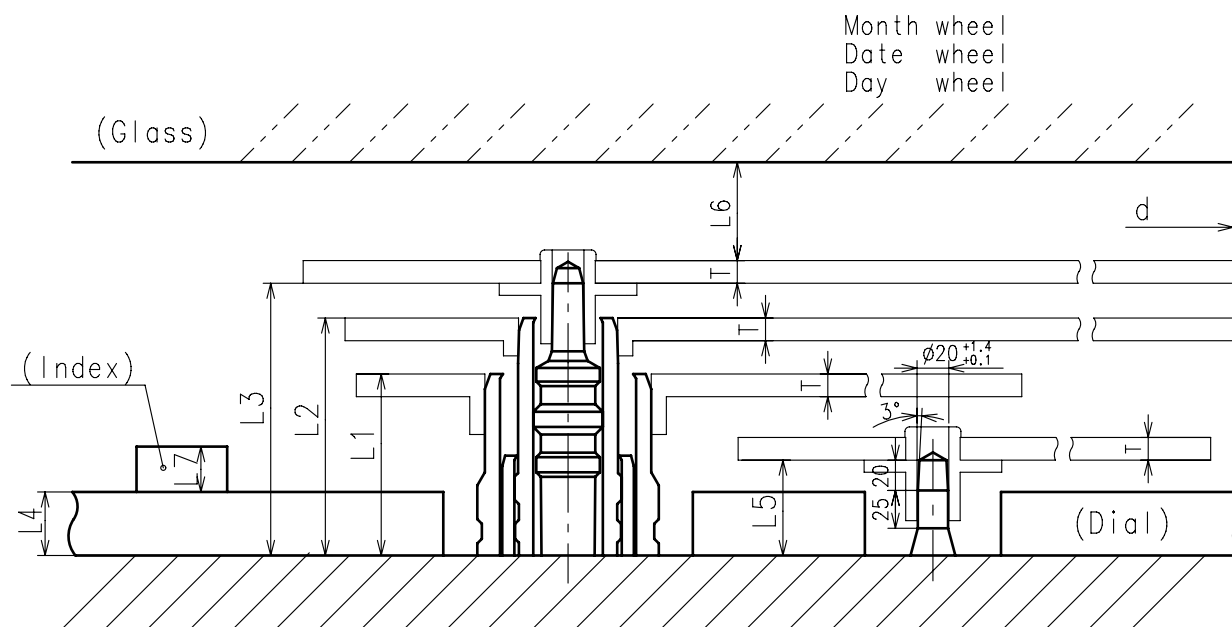
Center post		Type S (0) VX3FA11
Maximum height from dial support	H1	180
Total height incl. movement	H2	485



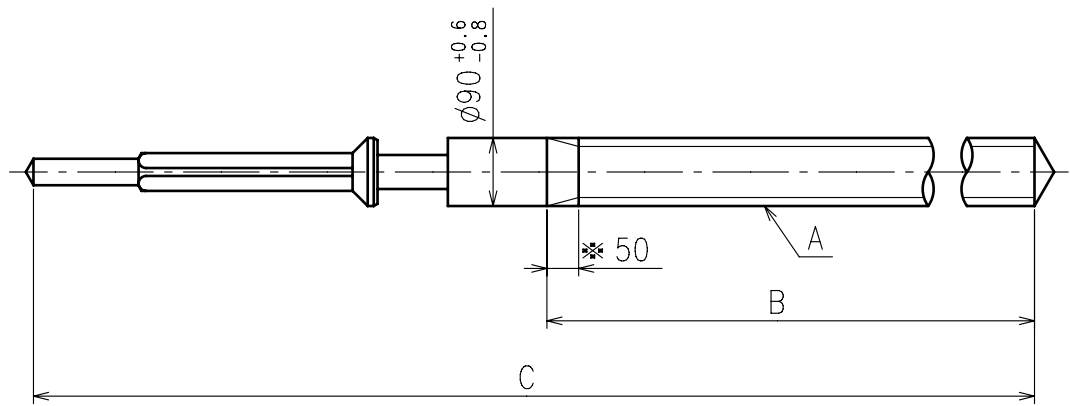
- ※ Minute hand unbalance $\leq 65\mu\text{g} \cdot \text{m} (0.64\mu\text{N} \cdot \text{m})$
- ※ Second hand unbalance $\leq 6\mu\text{g} \cdot \text{m} (0.06\mu\text{N} \cdot \text{m})$



	Parts No.			Dimension	
	Hour wheel	Center wheel	Fourth wheel	H1	H2
Type S ⁽⁰⁾ VX3FA11	0271538	0221537	0241537	65	103



	L1	L2	L3	L4	L5	L6	L7	T	d
Type S ⁽⁰⁾ VX3FA11	120	157	180	40	63	MIN: 50	MAX: 30	15	MAX: 2500

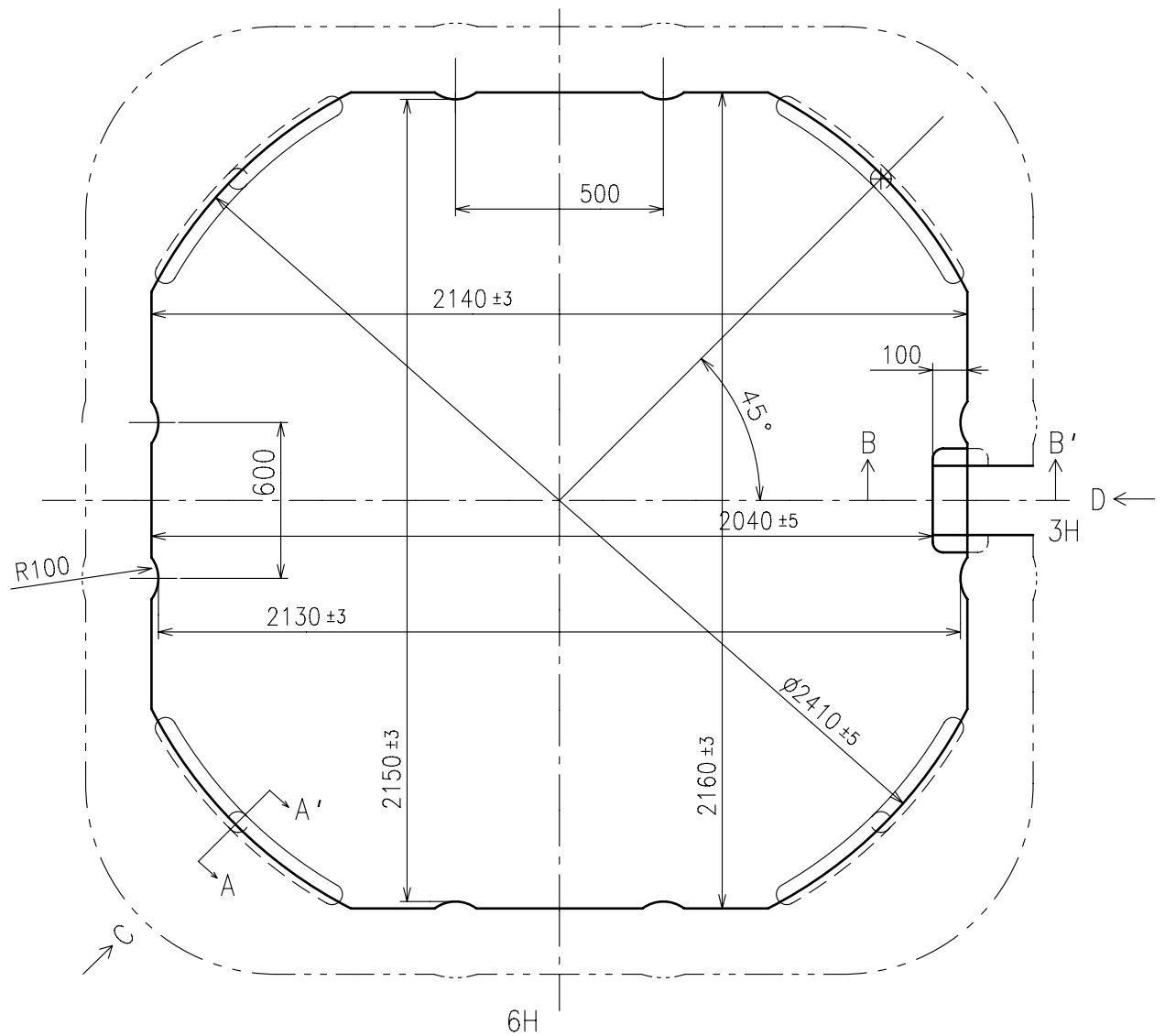


※ Not threaded

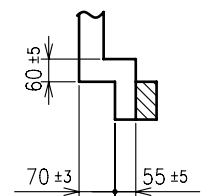
	Part No.	A	B	C
Standard Type 1	0354531	$\phi 90$ P22.5	1225	1904
Type 2	0354534	$\phi 90$ P22.5	1500	3055

Material : Steel

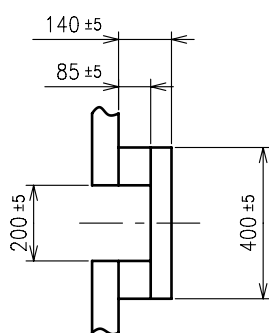
Hardness : Vickers 600 ± 50



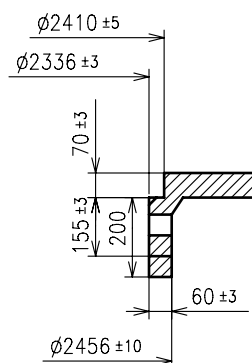
B-B' section



D view



A-A' section



C view

