



Cal. VX3FA

ϕ 23.3 mm
H 3.05 mm

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Date: 15/Sep/'09

S.EPSON Products

MOVEMENT SPECIFICATIONS

CAL. VX3FA

Analog Quartz 10 1/2^{mm} 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. 0.85μA
*Operation stopping voltage	0.9 V

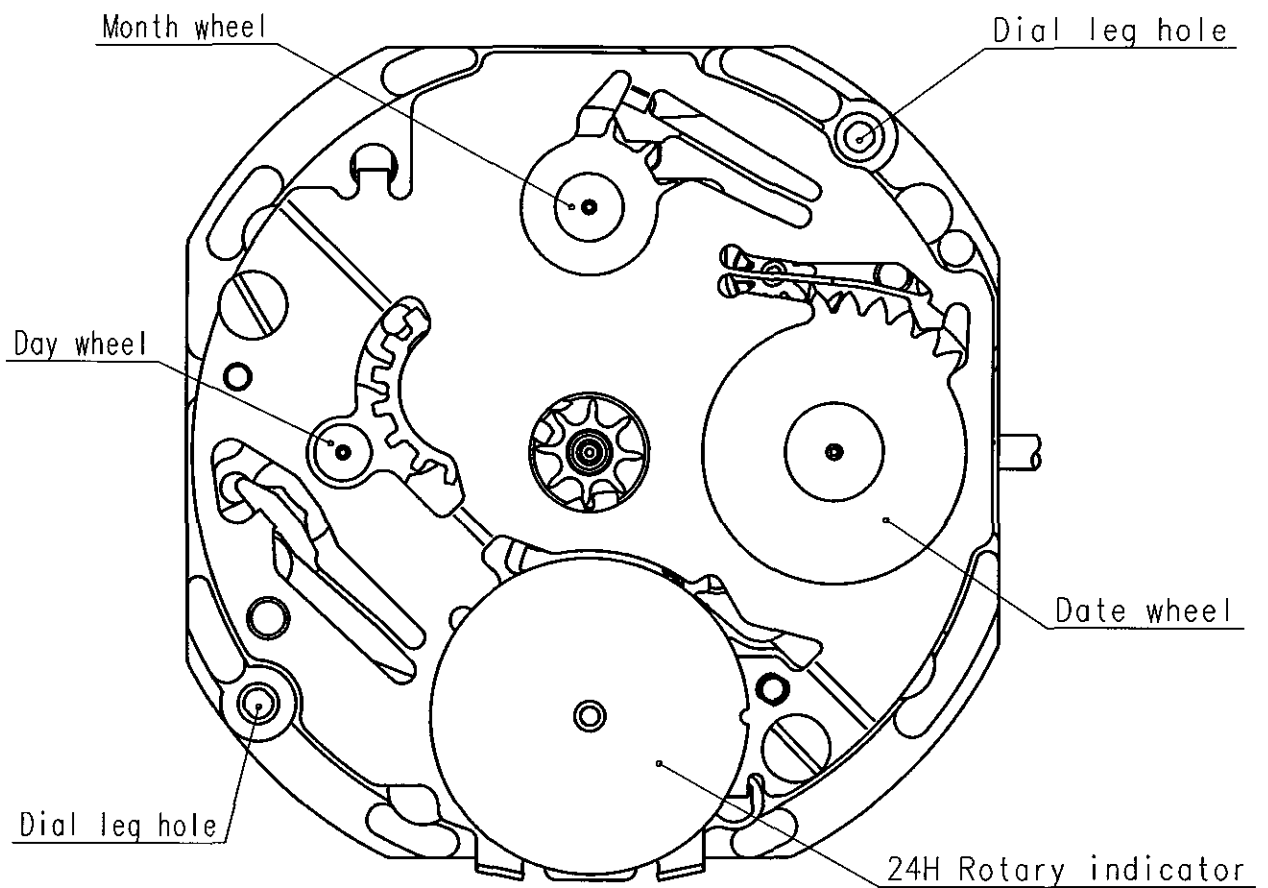
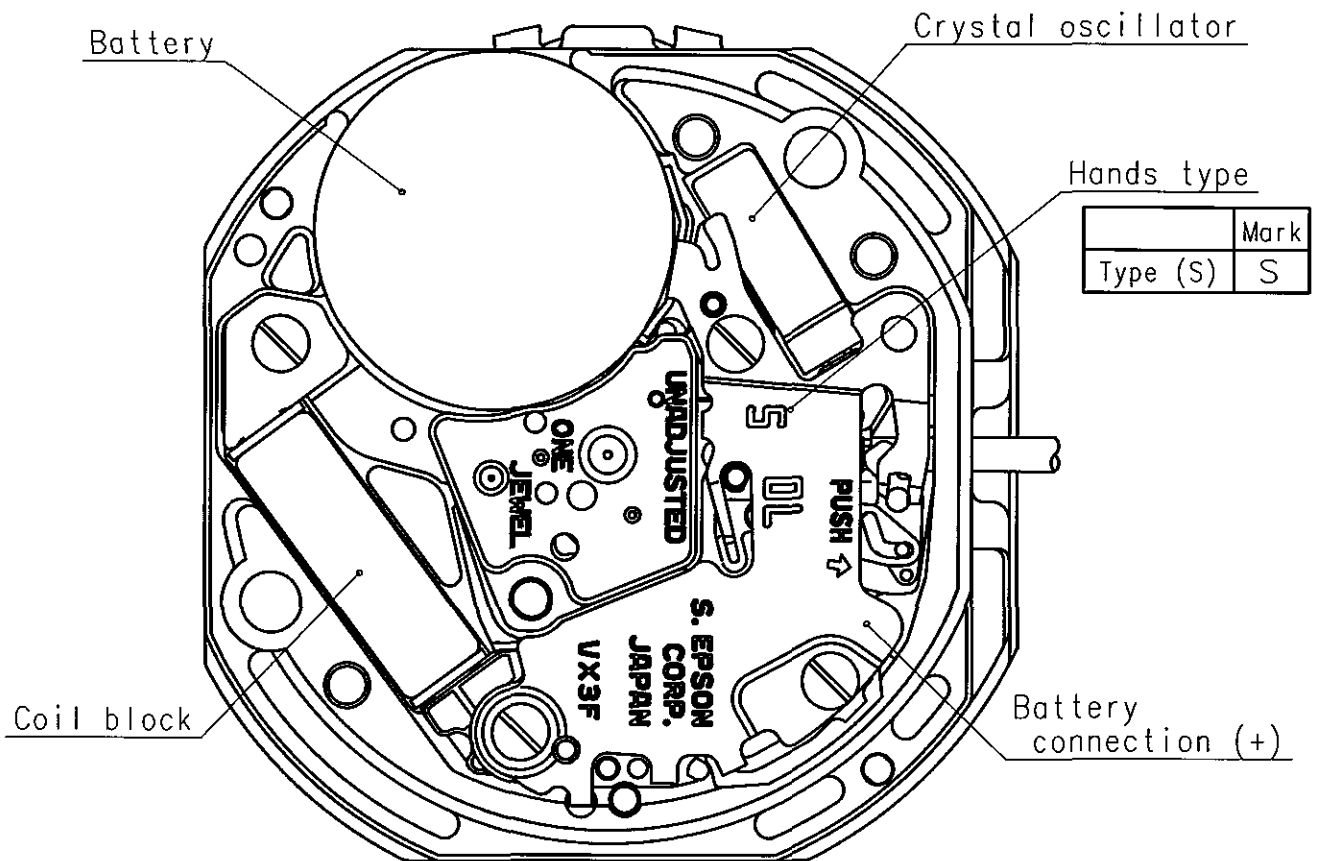
6. SEPARATED PARTS (Parts code)

*Hand setting stem	0354531 or 0354534
*Battery	SR916SW

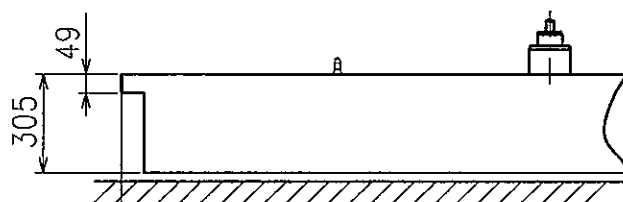
7. TEST OF ACCURACY

*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

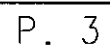
All specifications are subject to change without notice.



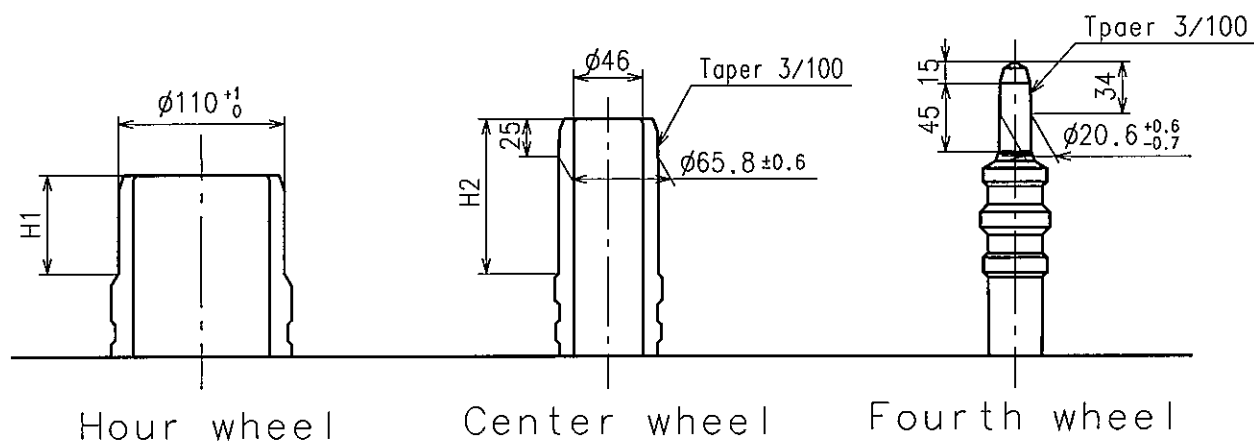
✱ 2: Second pullout stroke



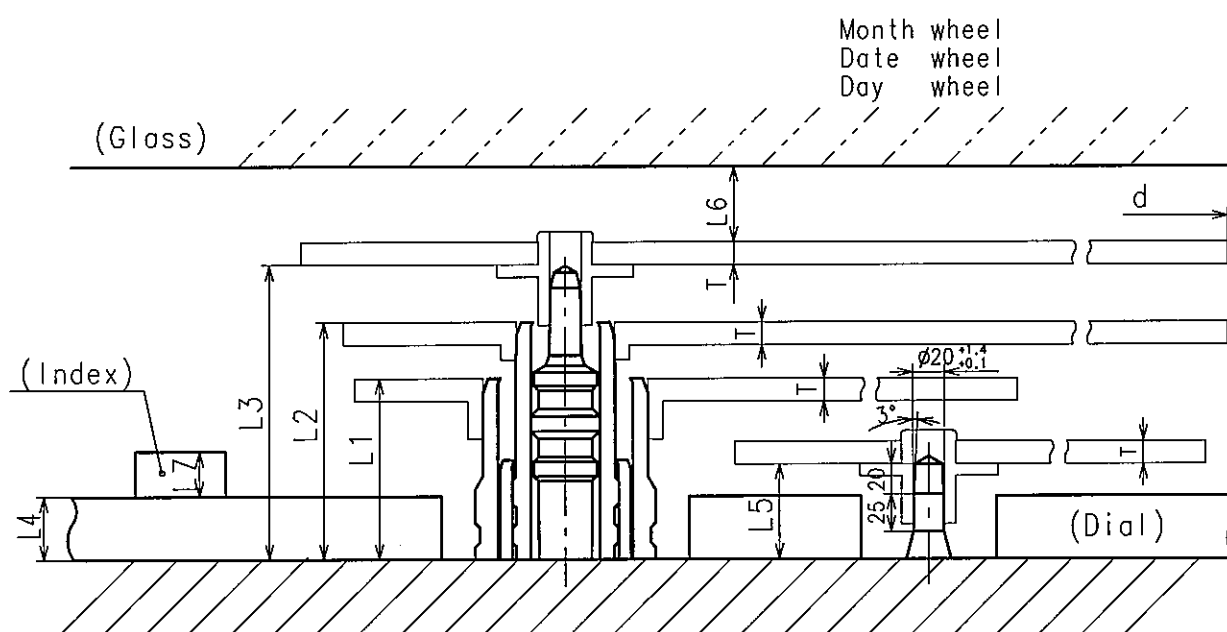
Center post		Type S (0) VX3FA11
Maximum height from dial support	H1	180
Total height incl. movement	H2	500



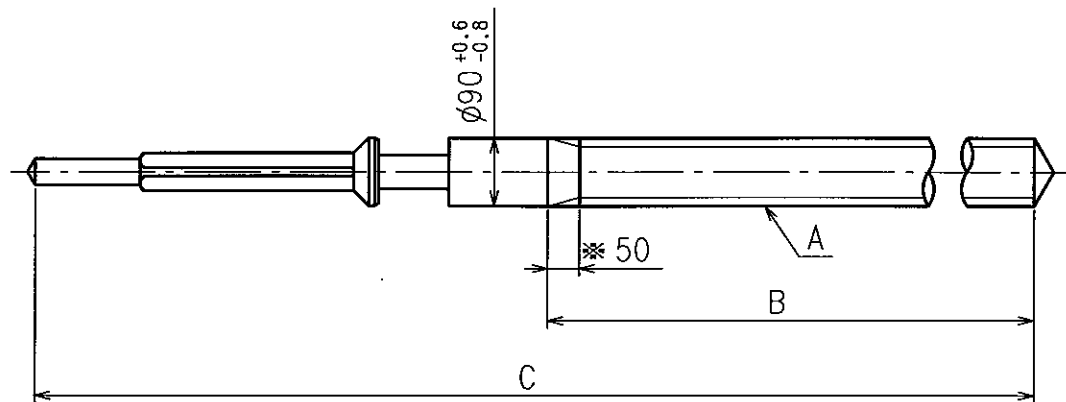
- ※ Minute hand unbalance $\leq 65\mu\text{g} \cdot \text{m} (0.64\mu\text{N} \cdot \text{m})$
- ※ Second hand unbalance $\leq 6\mu\text{g} \cdot \text{m} (0.06\mu\text{N} \cdot \text{m})$



	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

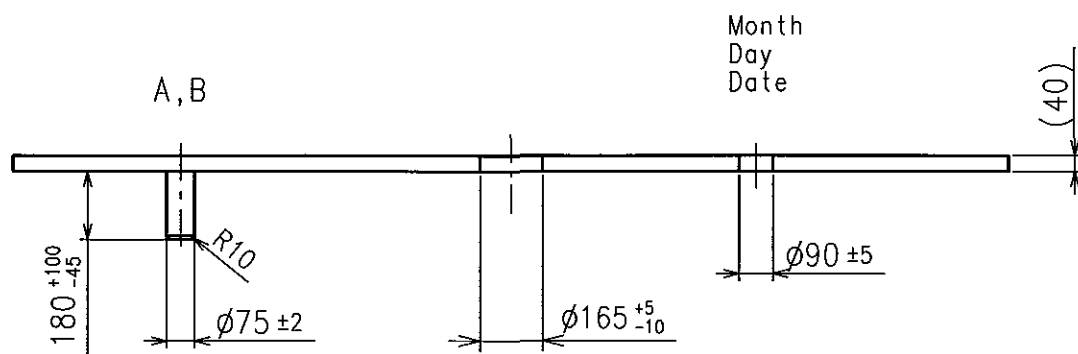
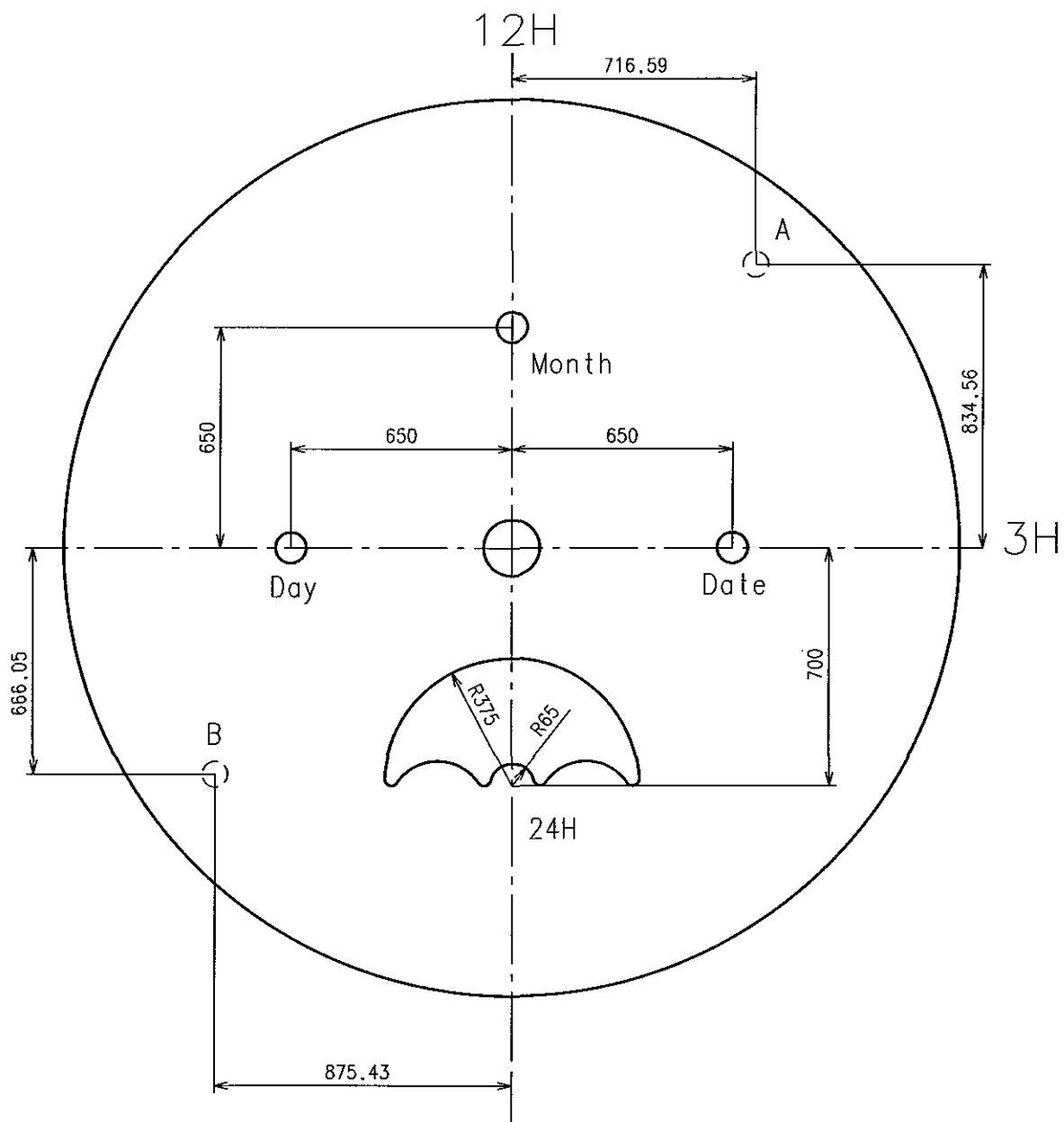


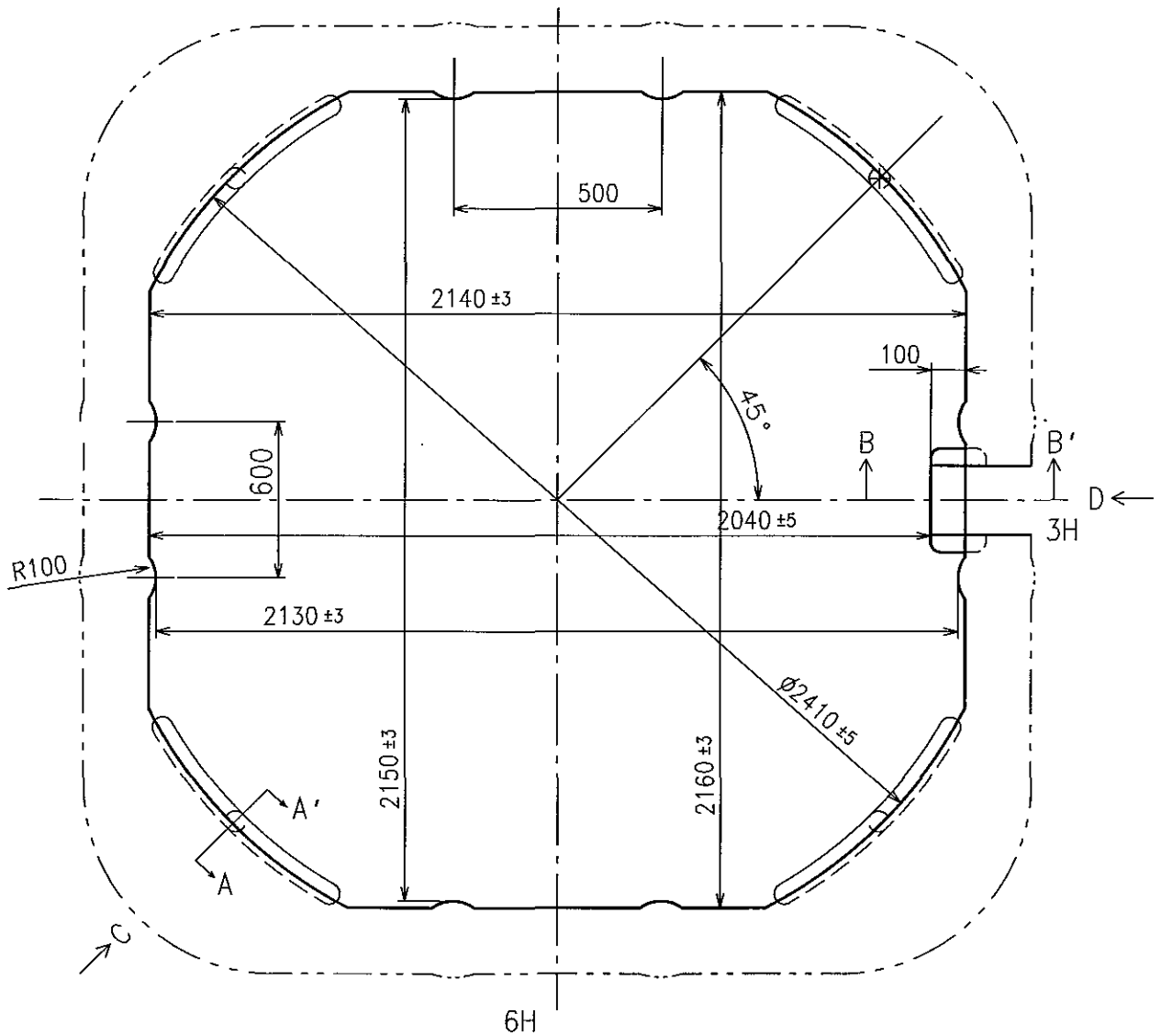
※ Not threaded

	Part No.	A	B	C
Standard Type 1	0354531	φ90 P22.5	1225	1904
Type 2	0354534	φ90 P22.5	1500	3055

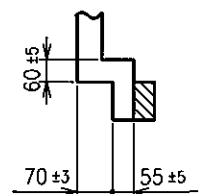
Material : Steel

Hardness : Vickers 600±50

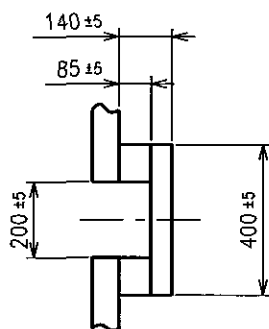




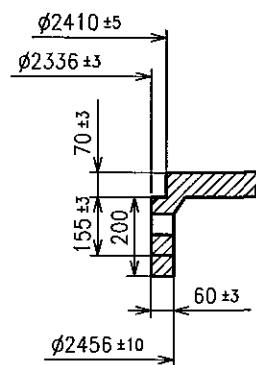
B-B' section



D view



A-A' section



C view

