

Watch Movement Specification and Drawing

CALENDAR

Cal. VX32G

Movement Size

10 1/2'''

Casing Diameter

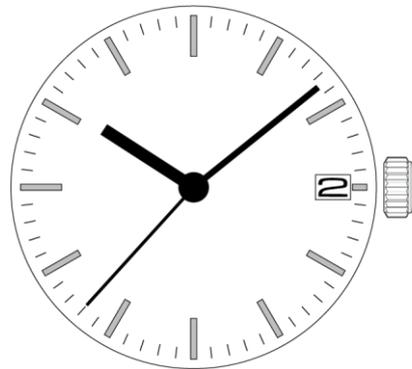
Ø 23.3mm

Height

2.62mm

Battery Life

5 years



Date: 18/Sep./'20

Cal. VX32G

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Analog Quartz 10 1/2" Slim Movement / Three hands(H/M/S) with Calendar**1. MOVEMENT DIMENSIONS**

Outside diameter	$\phi 24.00\text{mm} \times 21.30\text{mm}(3\text{-}9\text{H}) \times 21.50\text{mm}(12\text{-}6\text{H})$
Casing diameter	$\phi 23.30\text{mm} \times 21.30\text{mm}(3\text{-}9\text{H}) \times 21.50\text{mm}(12\text{-}6\text{H})$
Total height	2.62mm (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 $+50^{\circ}\text{C}$
Regulation device	Nil (Pre-adjusted)

3. INDICATOR / FUNCTIONS

3 Hands	Hour / Minute / Second
Calendar	Instant setting device for date calendar
Reset switch	
Power depletion warning function (Second hand moves at 2-second intervals)	
Setting mechanism	Crown at normal position : Free Crown pulled out 1st click : Instant date change Crown pulled out 2nd click : Time setting / Reset

4. FEATURES

Jewels	1 Jewel
Anti-magnetism	Over 1600A/m (Direct current magnetic field)
Maximum unbalance of hands	Hour hand : $0.5 \mu \text{N}\cdot\text{m}$ Minute hand : $0.6 \mu \text{N}\cdot\text{m}$ Second hand : $0.07 \mu \text{N}\cdot\text{m}$

5. BATTERY

Type / Size	Silver oxide battery / $\phi 9.5\text{mm} \times t 2.0\text{mm}$
Recommended battery	SR920SW (Maxell, Murata, Seizaiken)
Nominal voltage	1.55 V
Battery life	Approx. 5 years
Driving current consumption	Approx. $0.90 \mu \text{A}$
Operation stopping voltage	1.1 V

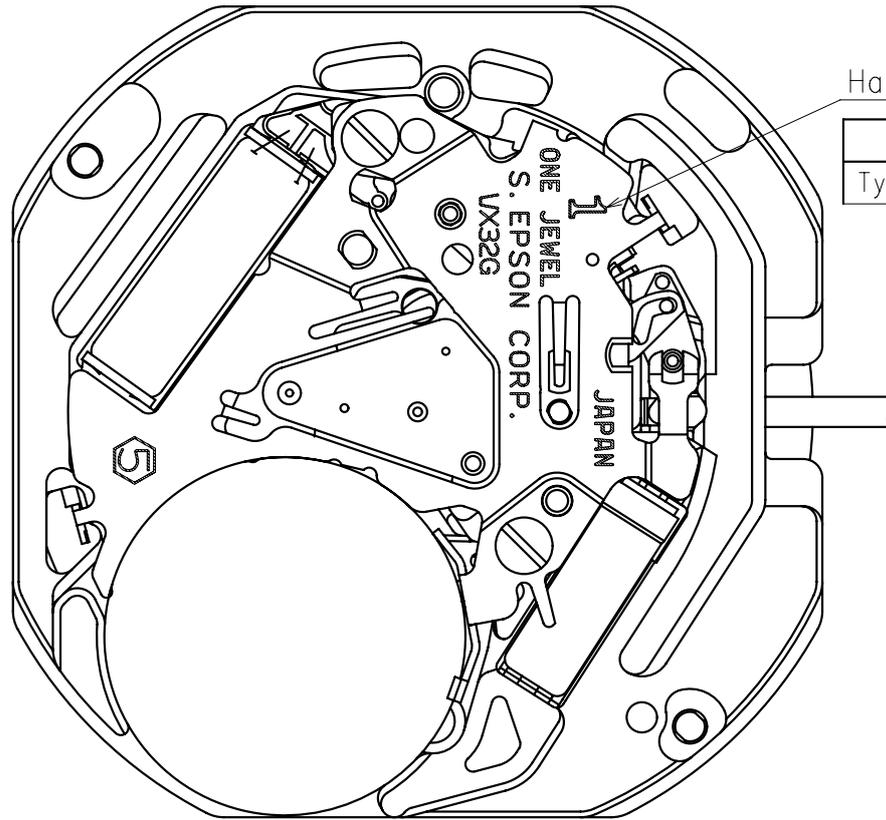
6. SEPARATED PARTS (Parts code)

Hand setting stem	0351177 or 0351578
Battery	SR920SW

7. TEST OF ACCURACY

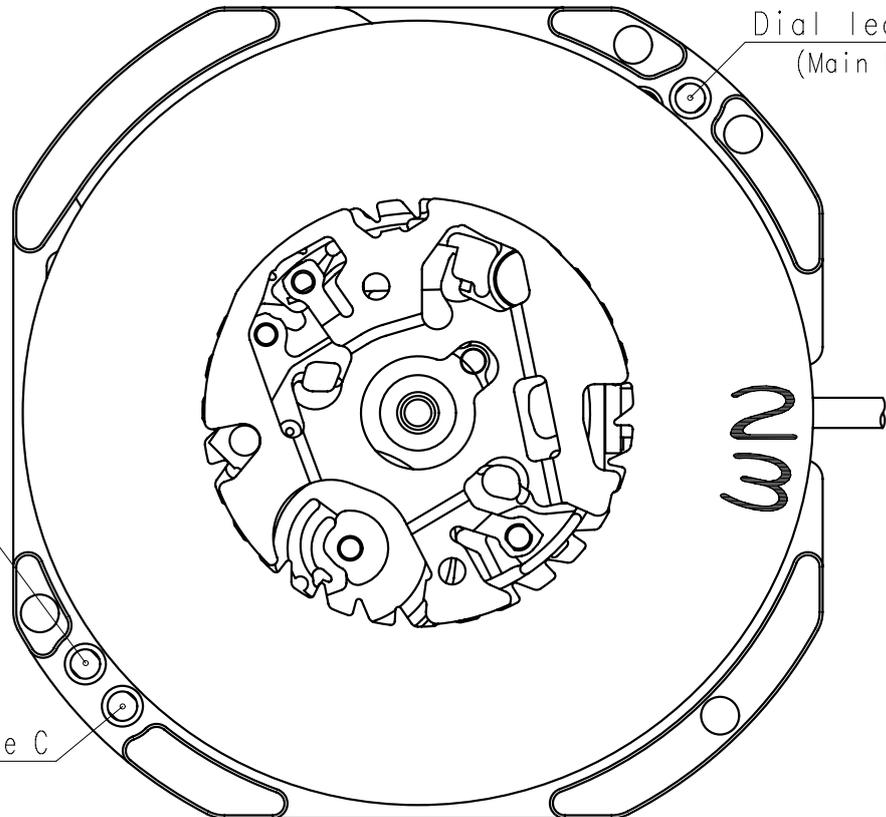
Equipment to be used	SEIKO quartz tester QT-99, Greiner quartz timer-C , Witschi Q-tester 4000
Duration of measurement	10 seconds
Microphone to be used	Electromagnetic detection type

All specifications are subject to change without notice.



Hands type

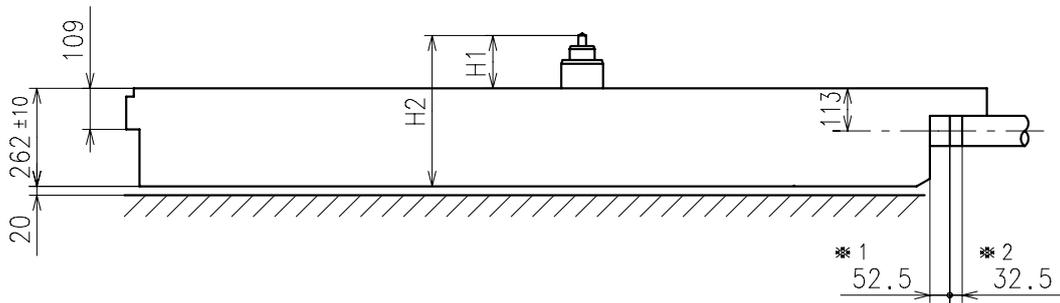
	Mark
Type S (1)	1



Dial leg hole A
(Main hole)

Dial leg hole B
(Main hole)

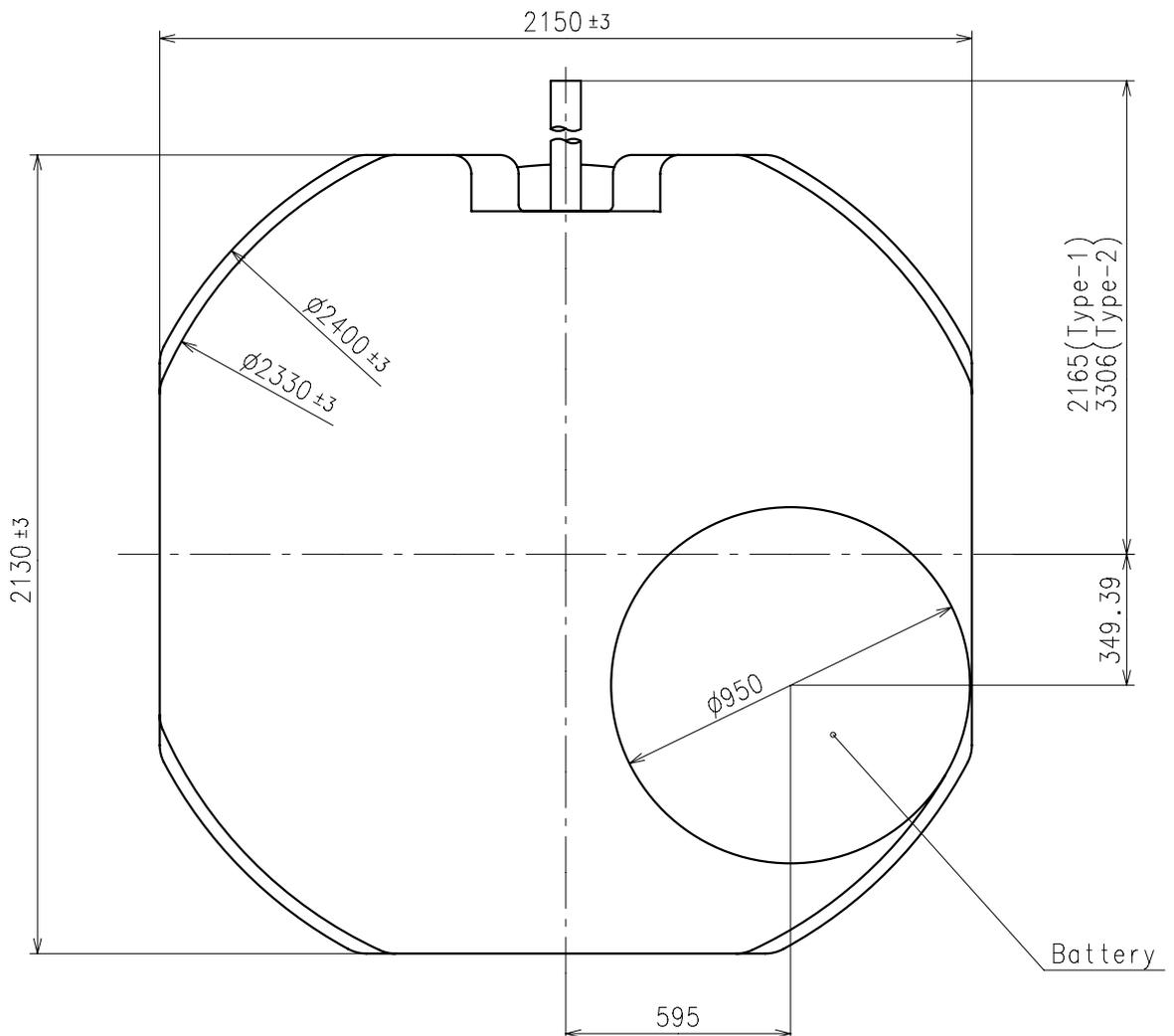
Dial leg hole C
(Sub hole)



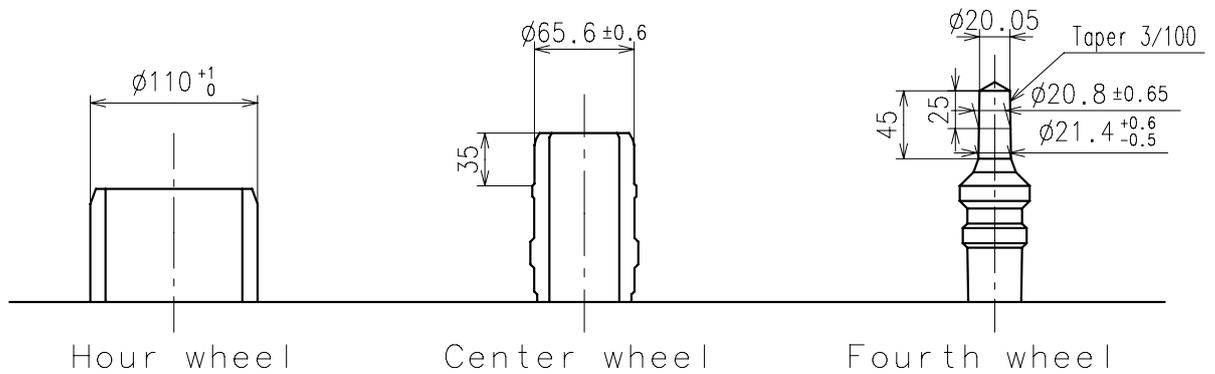
Center post		Type S (1) VX32G1*
Maximum height from dial support	H1	140
Total height including movement	H2	402

*1:First pullout stroke

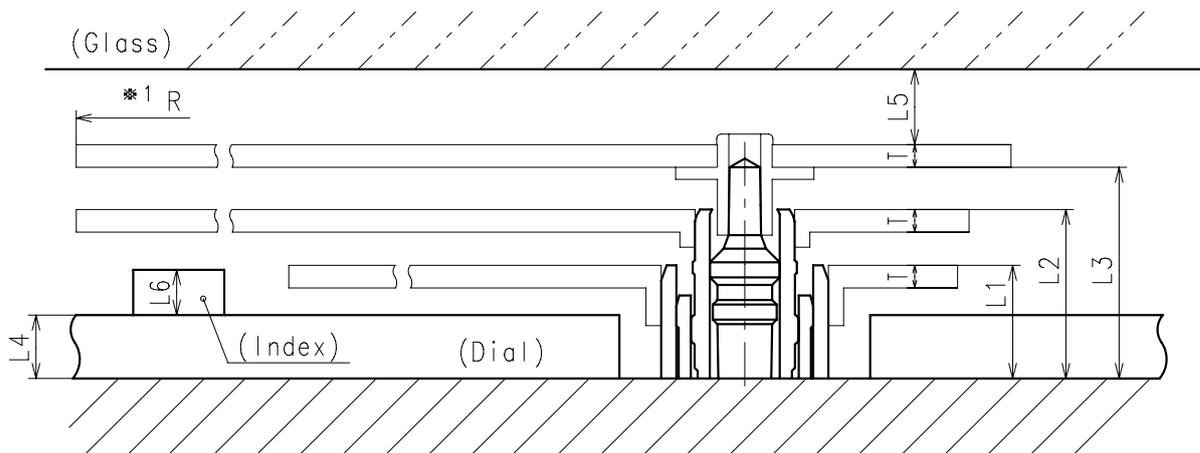
*2:Second pullout stroke



- * Hour hand unbalance $\leq 0.5\mu \text{ N} \cdot \text{m}$ ($50\mu \text{ g} \cdot \text{m}$)
- * Minute hand unbalance $\leq 0.6\mu \text{ N} \cdot \text{m}$ ($60\mu \text{ g} \cdot \text{m}$)
- * Second hand unbalance $\leq 0.07\mu \text{ N} \cdot \text{m}$ ($7\mu \text{ g} \cdot \text{m}$)

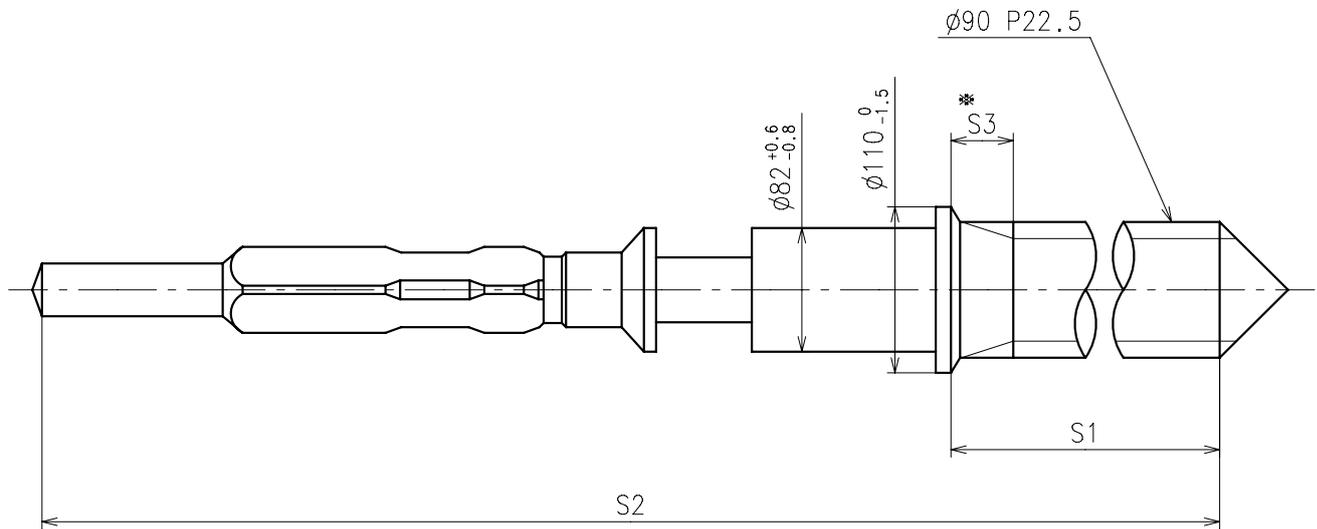


	Parts No.		
	Hour wheel	Center wheel	Fourth wheel
Type S (1) VX32G1*	0271929	0221929	0241929



	L1	L2	L3	L4	L5	L6	T	*1 R
Type S (1) VX32G1*	75	112	140	40	MIN: 50	MAX: 30	15	MAX: 1250

*1: It is the size taken into consideration for hands attachment.
Please observe some standard value specified in unbalance when using long hands.

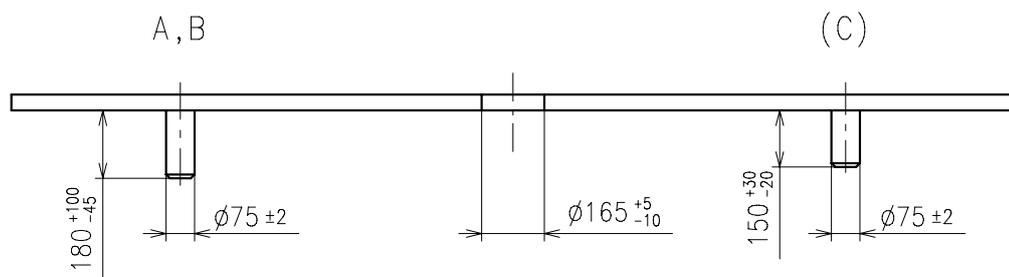
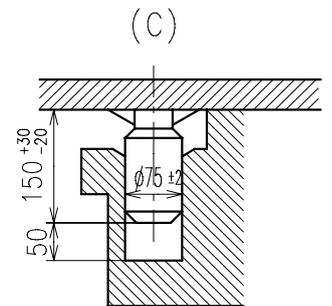
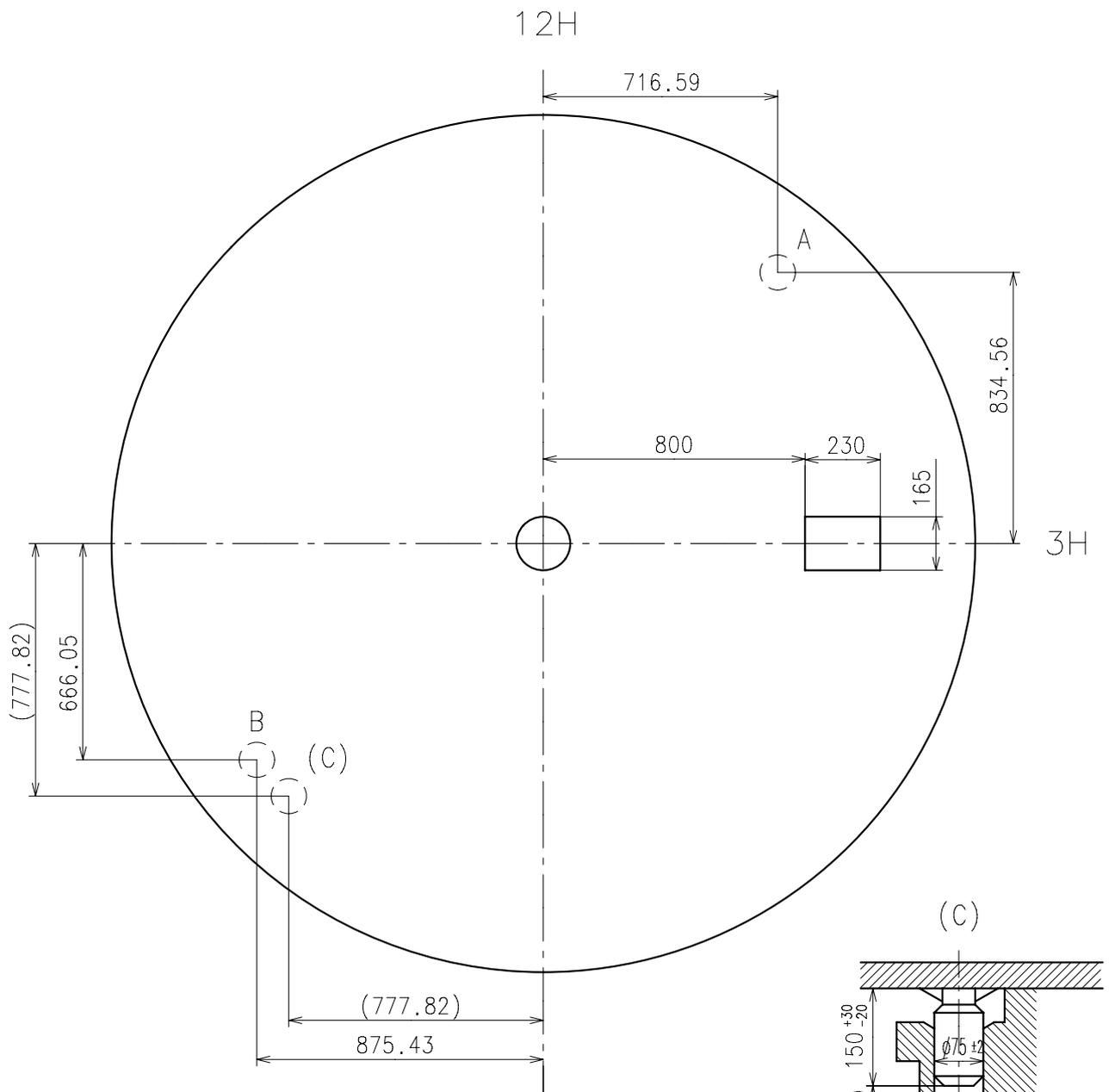


※ Not threaded

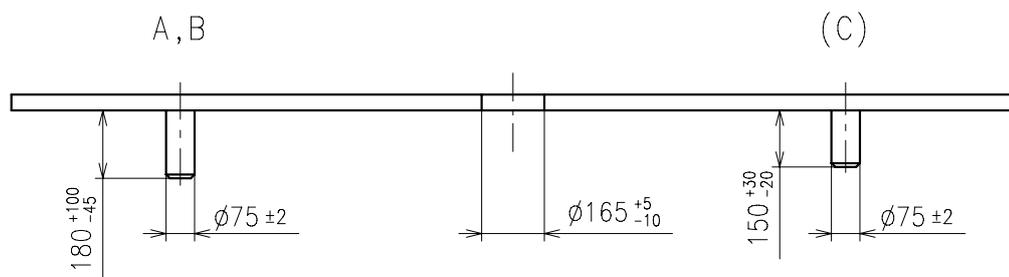
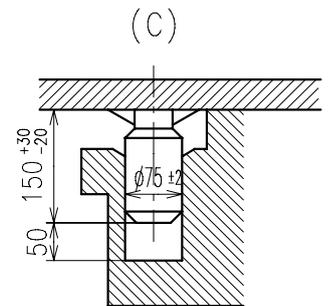
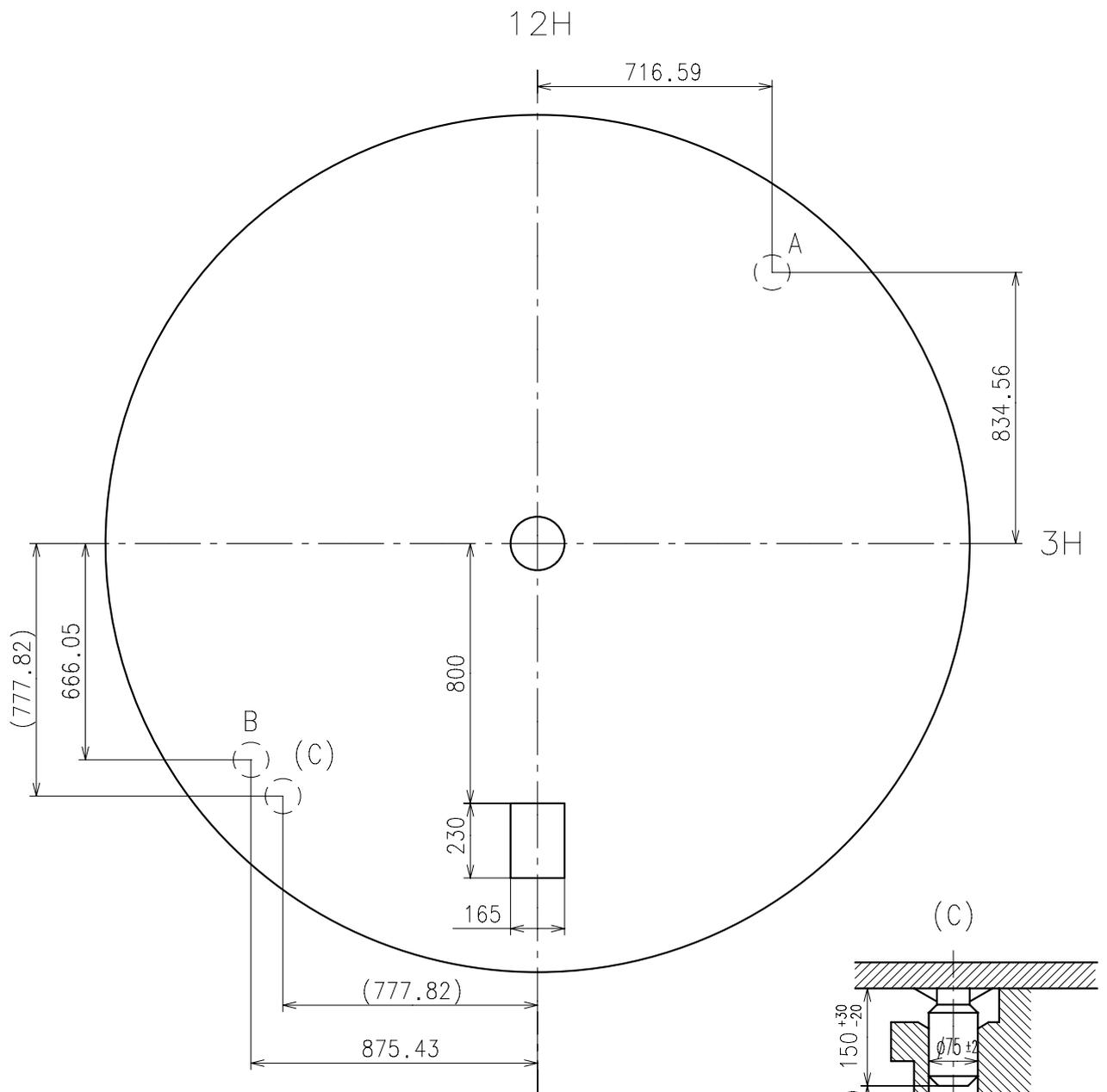
	Part No.	S1	S2	※ S3
Type-1 (Standard)	0351177	1366	1964	60
Type-2	0351578	2507	3105	650

Material : Steel

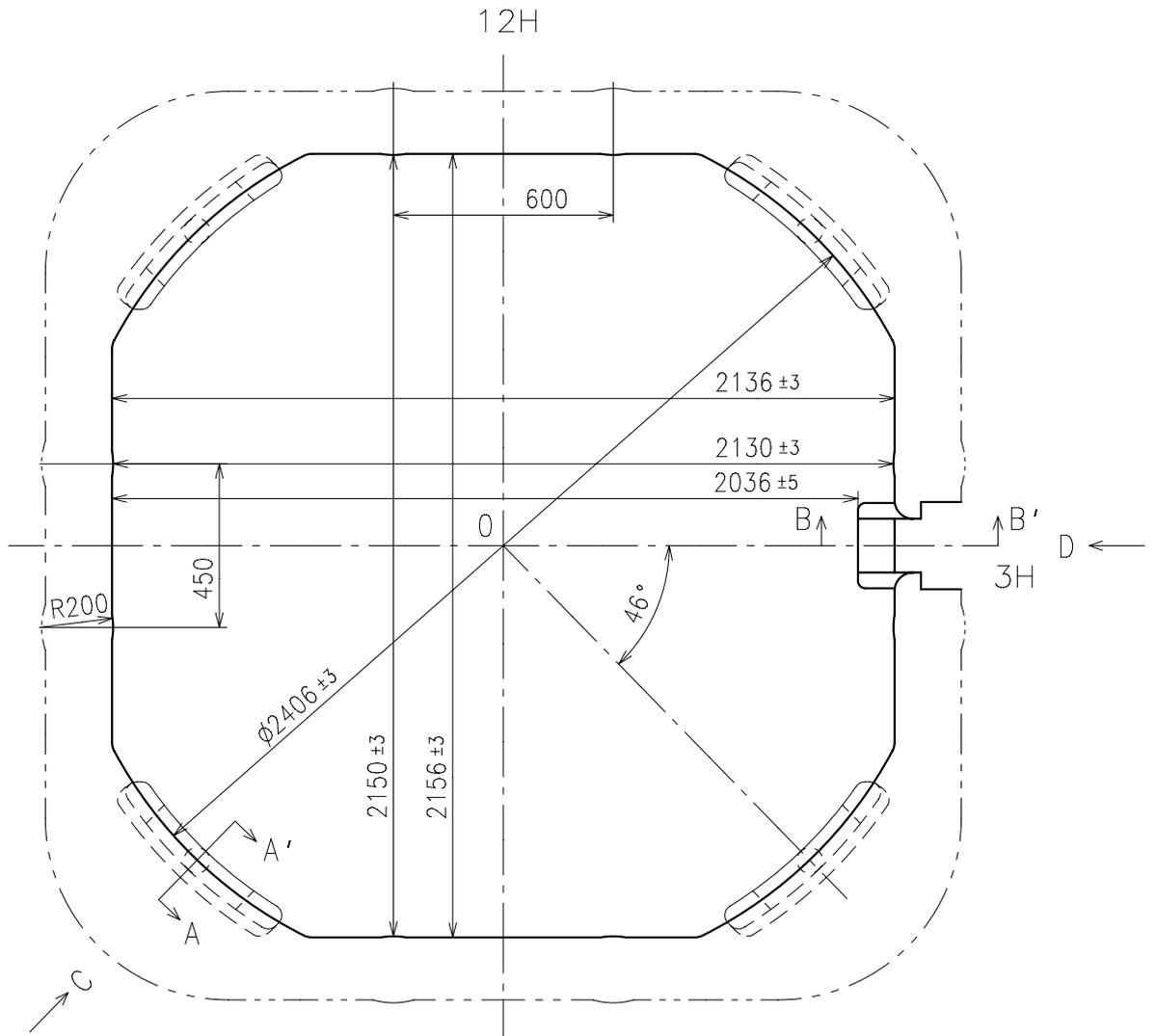
Hardness : Vickers 600±50



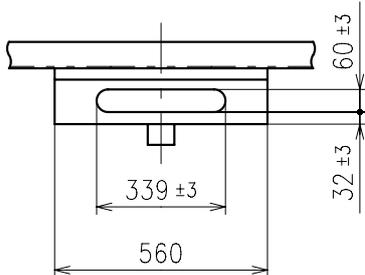
* Use dial leg A-B or (A-C)



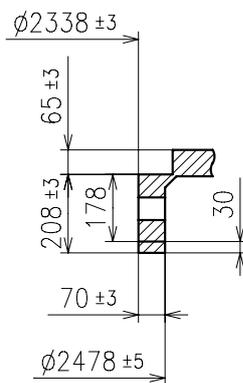
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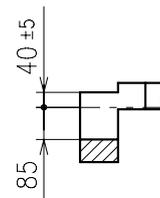
C view



A-A' section



B-B' section



D view

