

Cal. VX43E

ϕ 25.6 mm
H 2.98 mm

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Date: 31/Aug./'10

S.EPSON Products

MOVEMENT SPECIFICATIONS

CAL. VX43E

Analog Quartz 11 1/2" Slim Movement / Three hands (H/M/S) with Day / Date

1. MOVEMENT DIMENSIONS

*Outside diameter	ϕ 26.40mm $\times$ 23.50mm(3-9H) $\times$ 23.50mm(12-6H)
*Casing diameter	ϕ 25.60mm $\times$ 21.90mm(3-9H) $\times$ 23.50mm(12-6H)
*Total height	2.98mm (including battery)

2. TIME STANDARD

*Type of quartz oscillator	Tuning fork
*Frequency of quartz oscillator	32,768 Hz
*Accuracy	$\pm$ 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
*Day / Date	Instant setting device for day / date calendar
*Reset switch	
*Setting mechanism	Crown at normal position : Free Crown pulled out 1st click : Instant day / date change Crown pulled out 2nd click : Time setting / Reset

4. FEATURES

*Jewels	0 Jewel
*Anti-magnetism	Over 1600A/m (Direct current magnetic field)
*Maximum unbalance of hands	Second hand : 7 mg•mm Minute hand : 60 mg•mm Hour hand : 50 mg•mm

5. BATTERY

*Type / Size	Silver oxide battery / ϕ 9.5mm $\times$ t 2.0mm
*Recommended battery	SR920SW (Maxell, Panasonic, Sony, Seizaiken)
*Nominal voltage	1.55 V
*Battery life	Approx. 3 years
*Driving current consumption	Approx. 1.50 μ A
*Operation stopping voltage	1.1 V

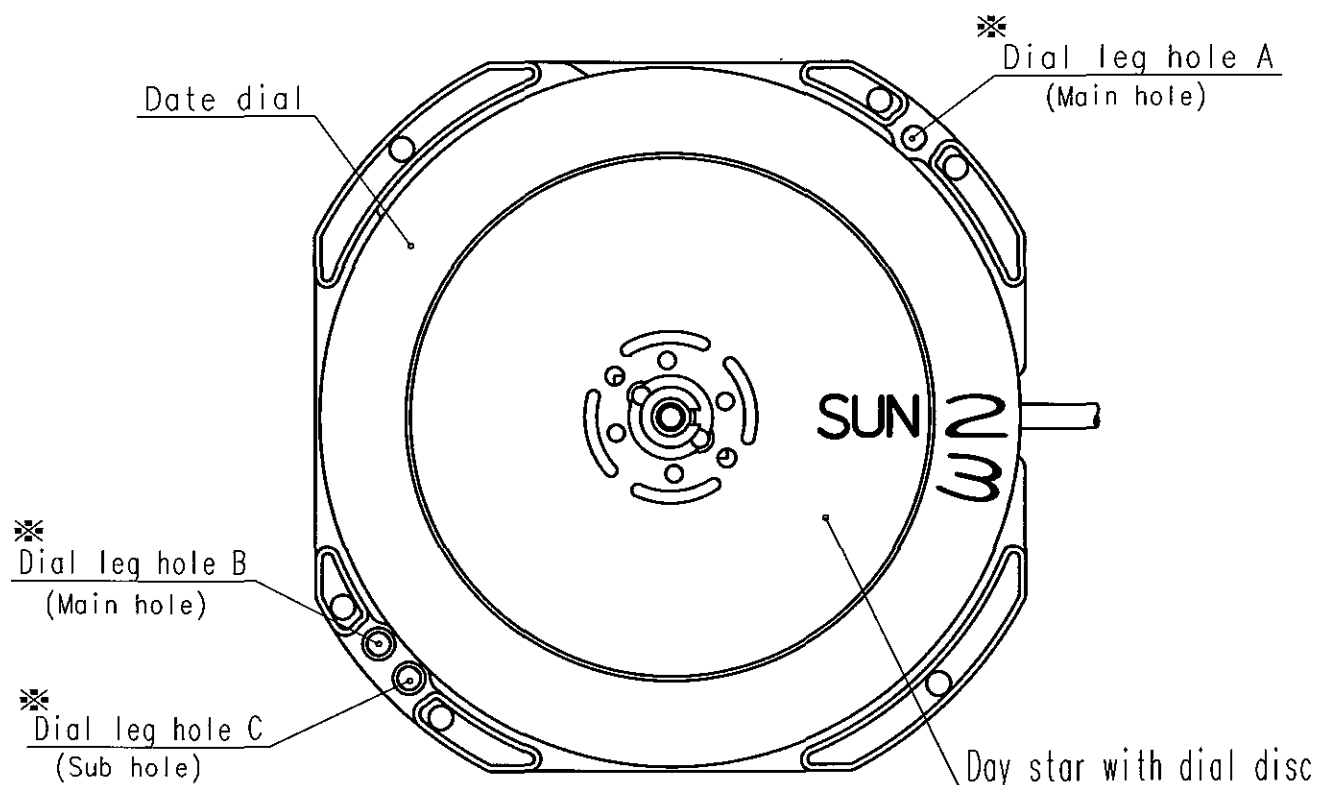
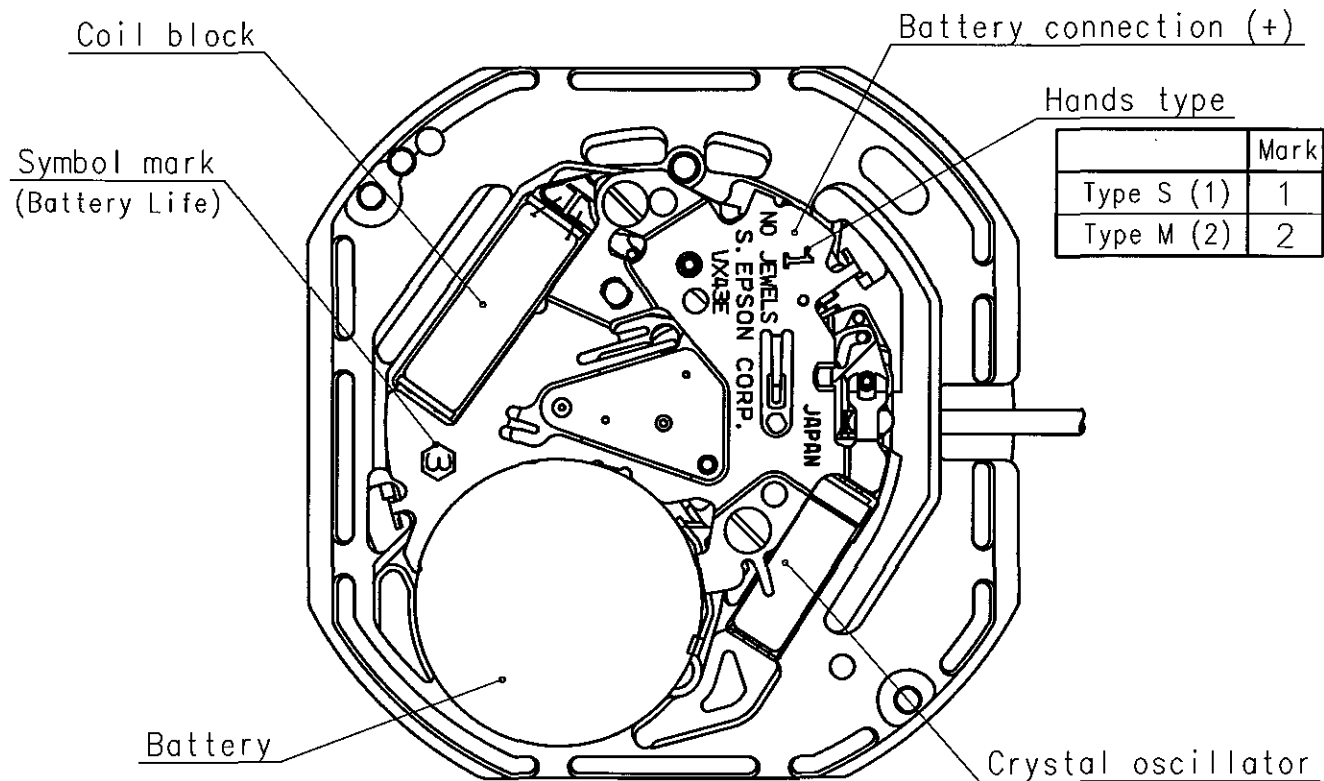
6. SEPARATED PARTS (Parts code)

*Hand setting stem	0351177 or 0351577
*Battery	SR920SW

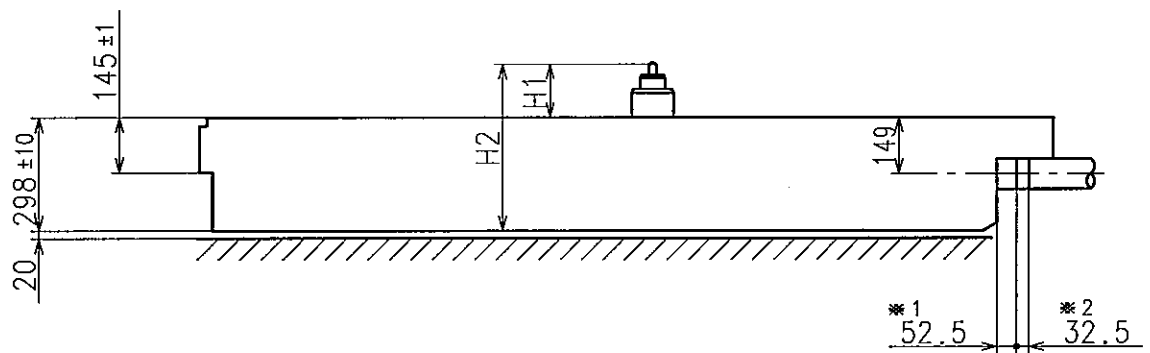
7. TEST OF ACCURACY

*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.



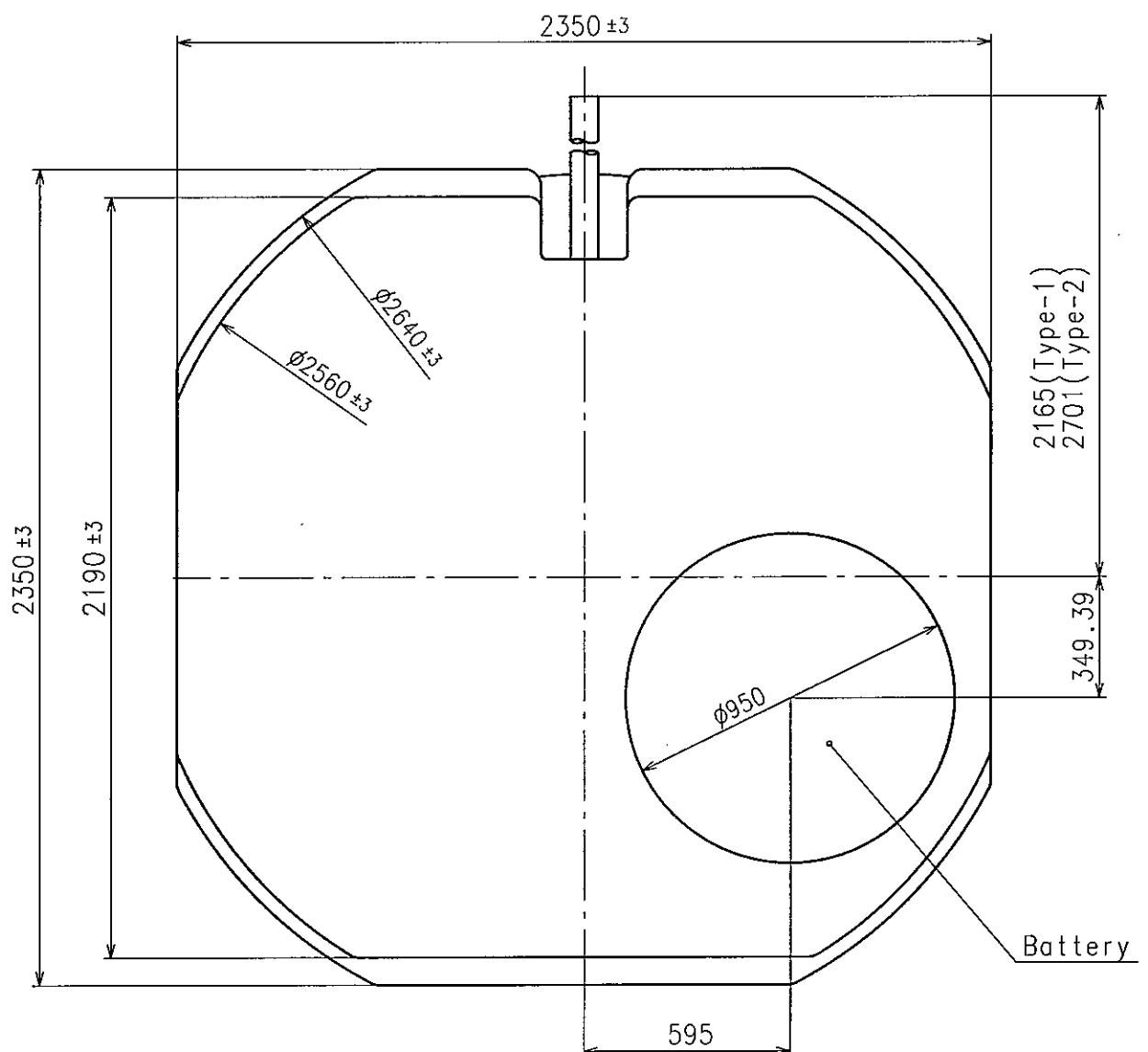
※: Combination of dial leg hole A-B, (A-C)



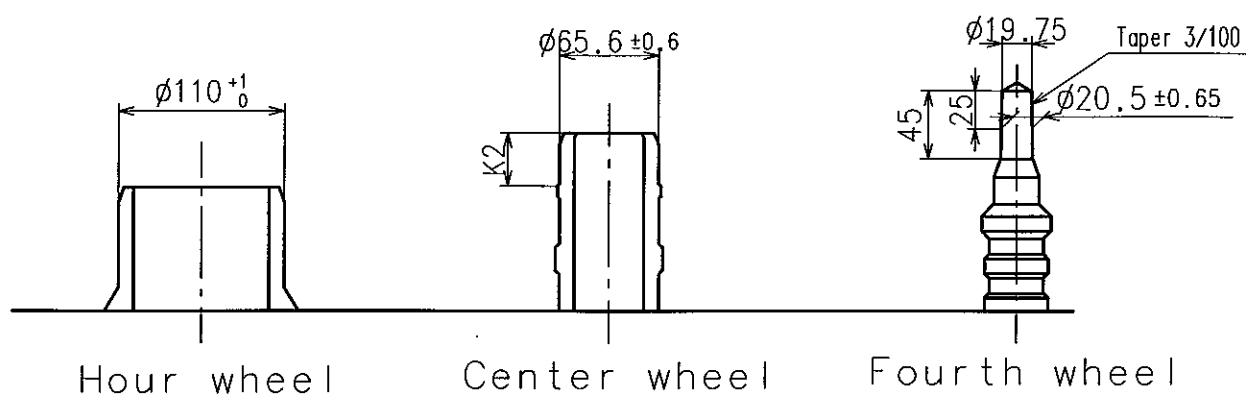
Center post		Type S (1) VX43E1**	Type M (2) VX43E2**
Maximum height from dial support	H1	146	182
Total height incl. movement	H2	444	480

*1:First pullout stroke

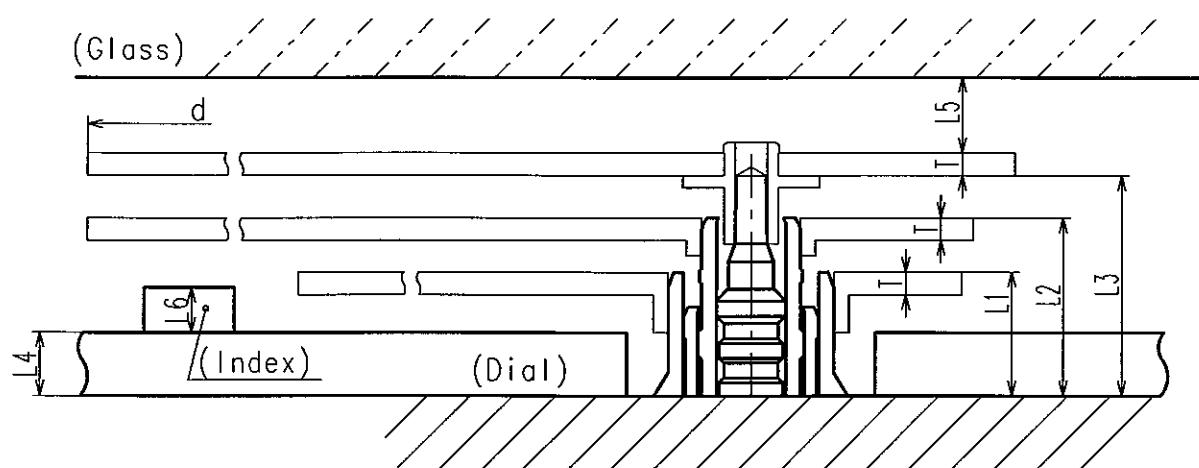
*2:Second pullout stroke



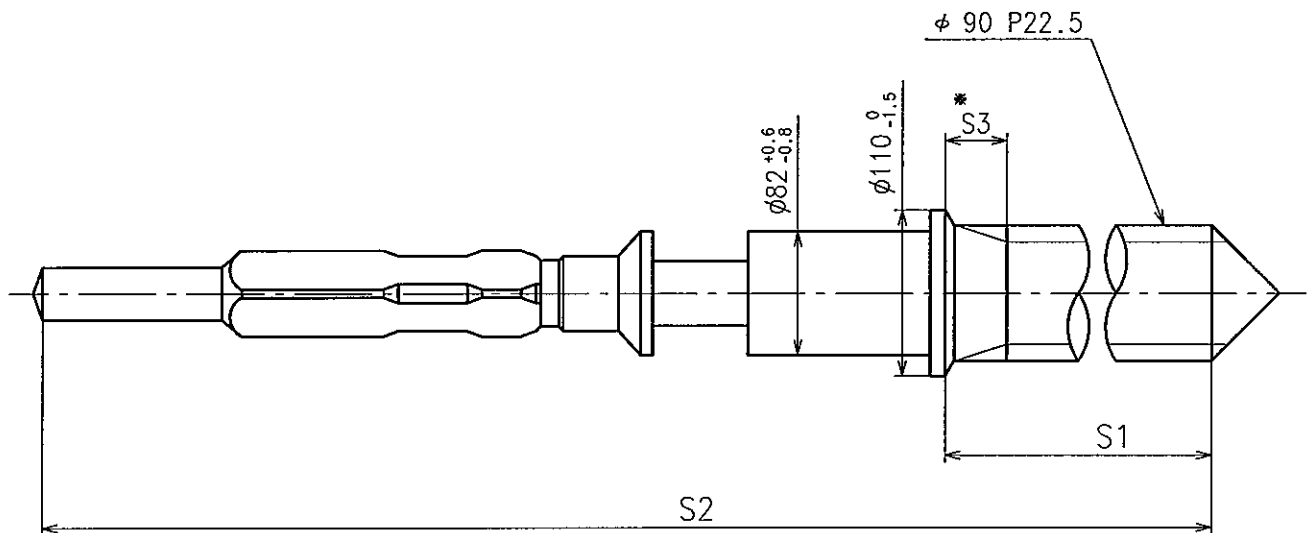
- * Hour hand unbalance $\leq 50\mu\text{ g} \cdot \text{m} (0.5\mu\text{ N} \cdot \text{m})$
- * Minute hand unbalance $\leq 60\mu\text{ g} \cdot \text{m} (0.6\mu\text{ N} \cdot \text{m})$
- * Second hand unbalance $\leq 7\mu\text{ g} \cdot \text{m} (0.07\mu\text{ N} \cdot \text{m})$



	Parts No.			Dimension
	Hour wheel	Center wheel	Fourth wheel	K2
Type S (1) VX43E1**	0271904	0221904	0241904	35
Type M (2) VX43E2**	0271934	0221934	0241934	35



	L1	L2	L3	L4	L5	L6	T	d
Type S (1) VX43E1**	82	118	146	40	MIN: 50	MAX: 35	15	MAX: Ø2500
Type M (2) VX43E2**	105	154	182	40	MIN: 50	MAX: 60	15	MAX: Ø2500

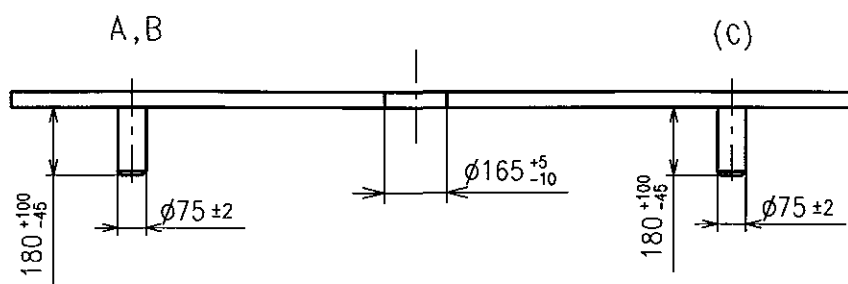
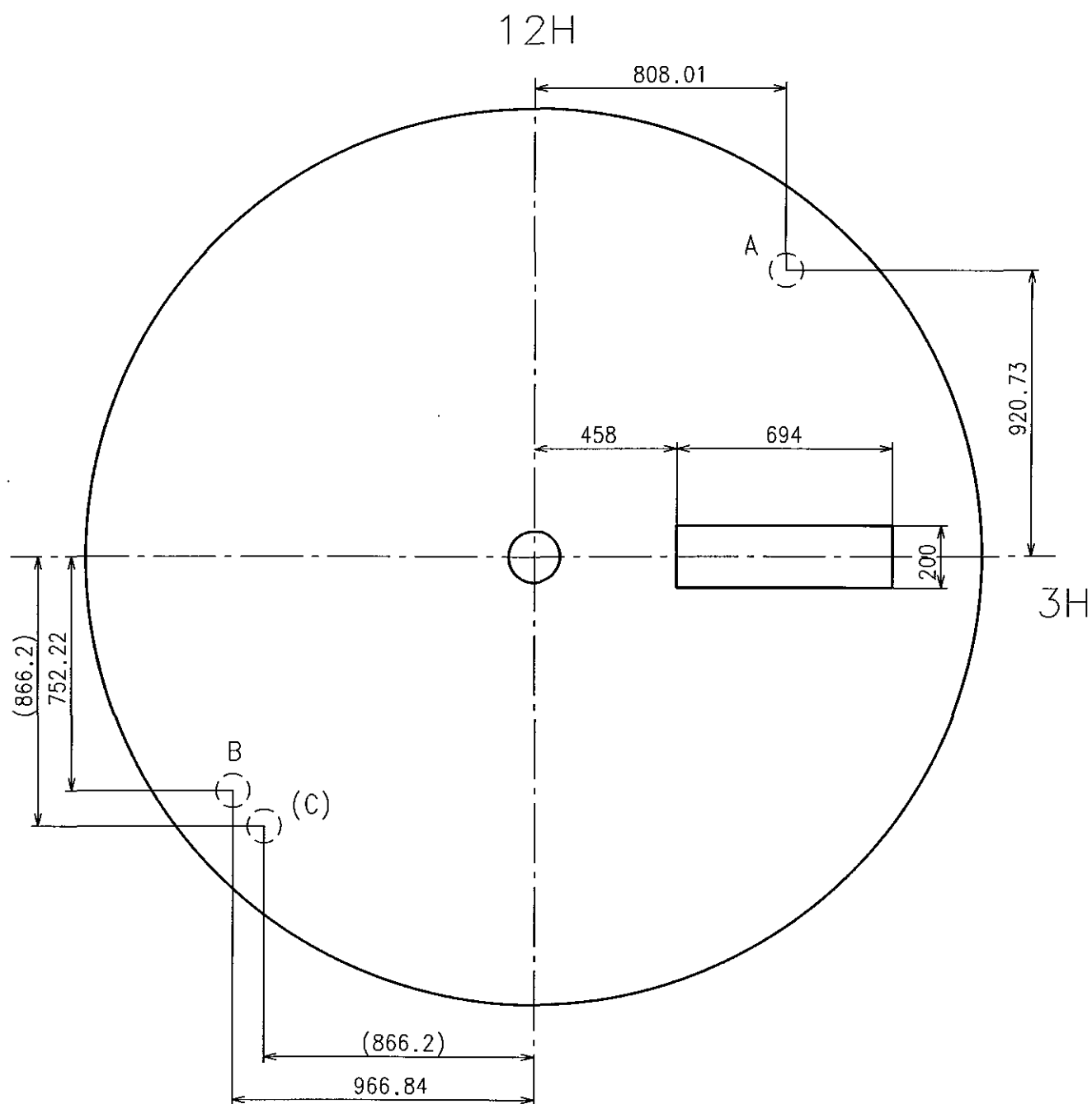


※ Not threaded

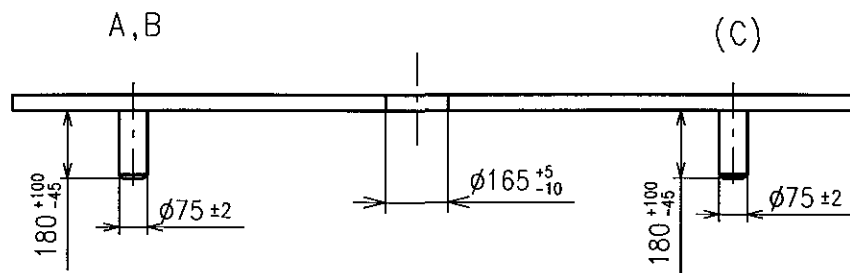
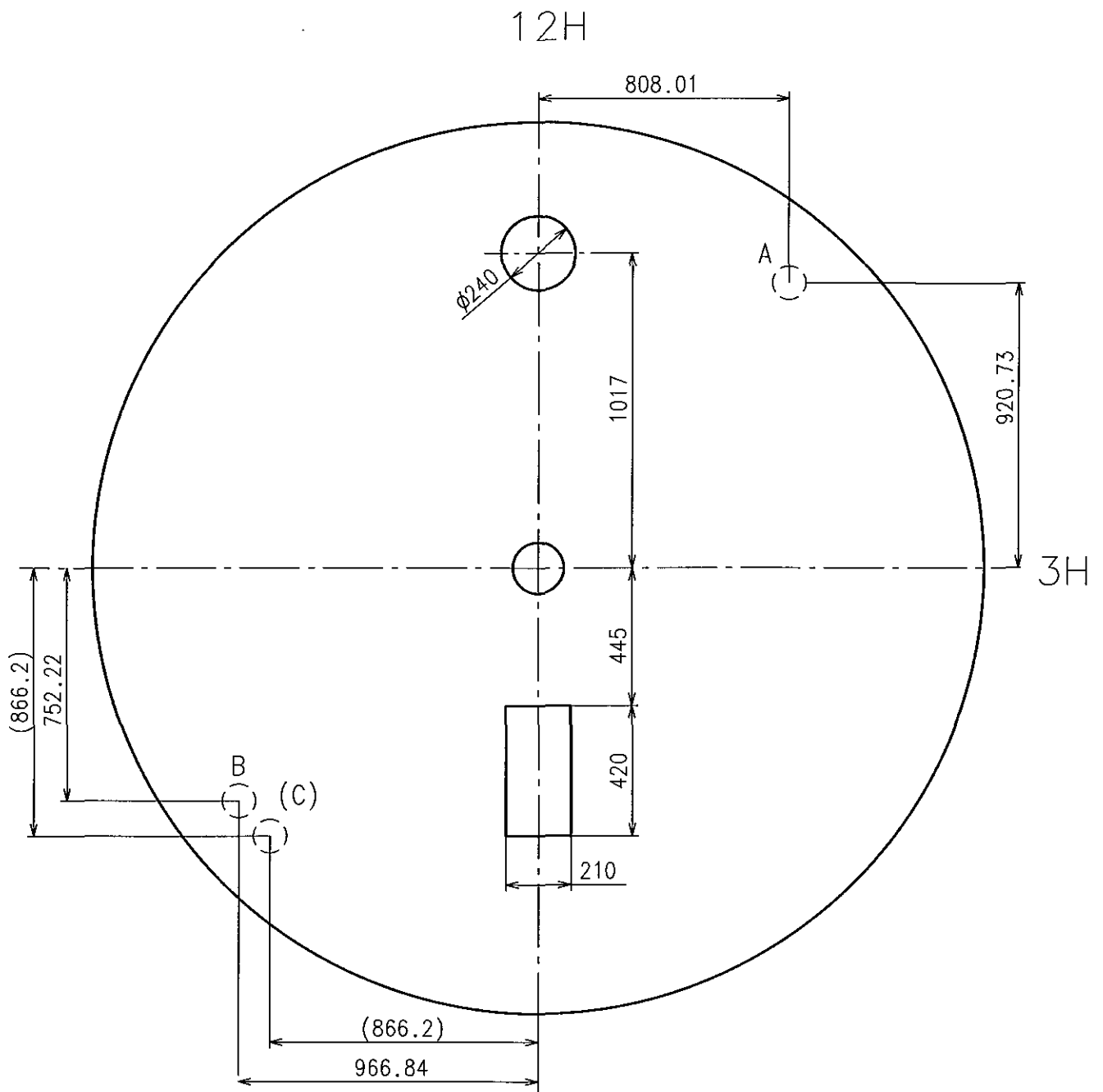
	Part No.	S1	S2	※ S3
Type-1 (Standard)	0351177	1366	1964	60
Type-2	0351577	1902	2500	1000

Material : Steel

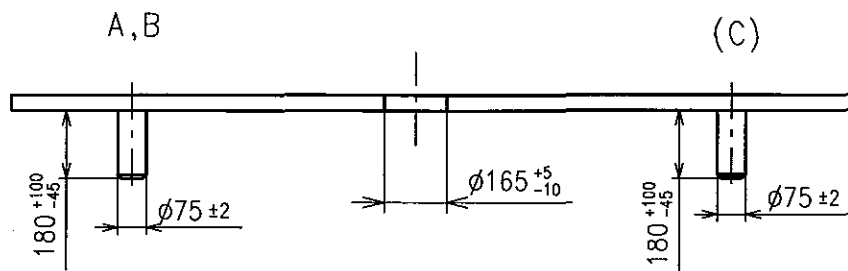
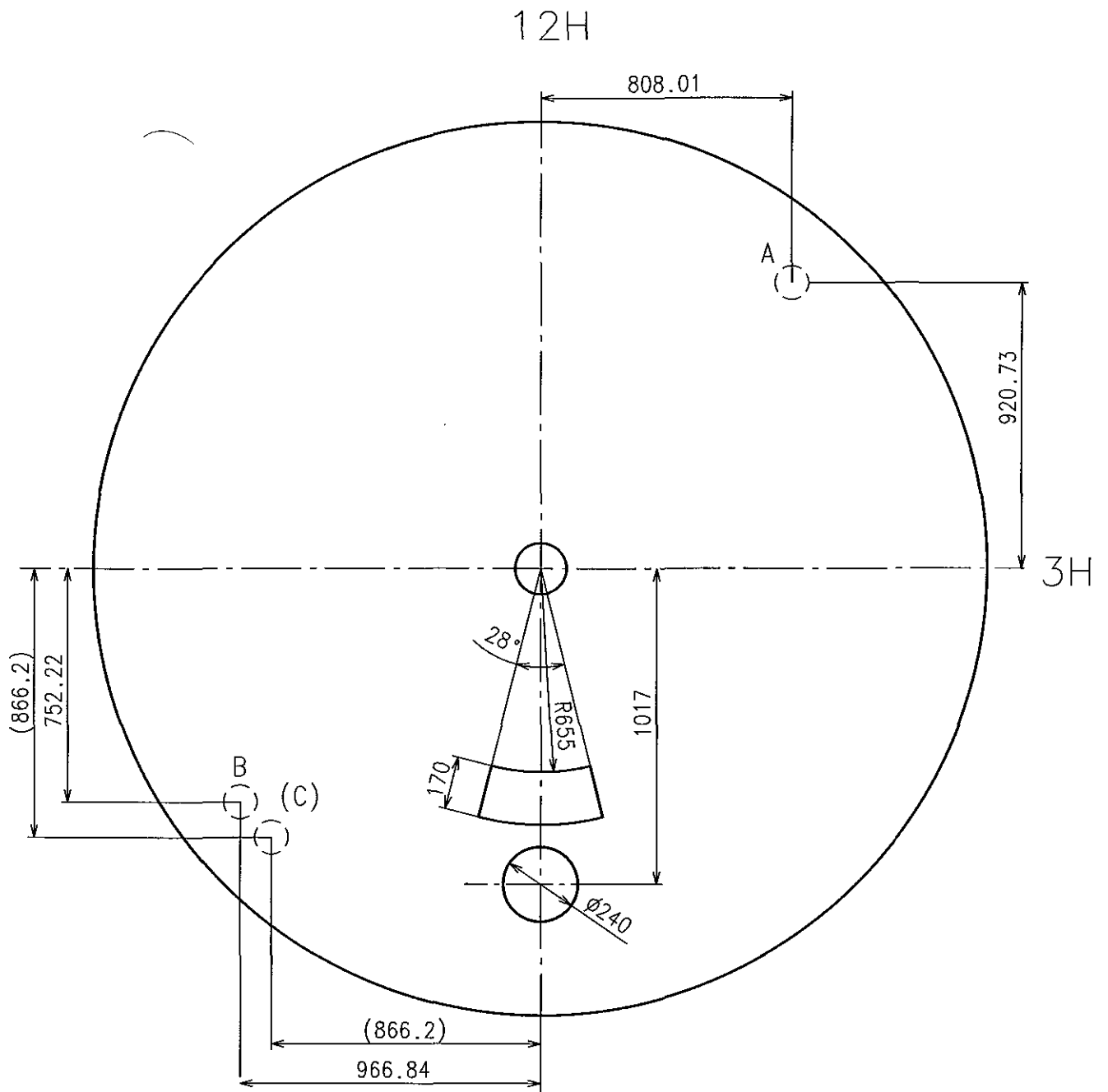
Hardness : Vickers 600±50



* Use dial leg hole as like below A-B or (A-C)



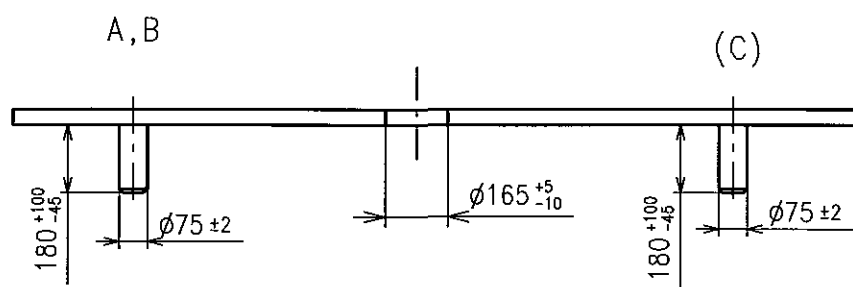
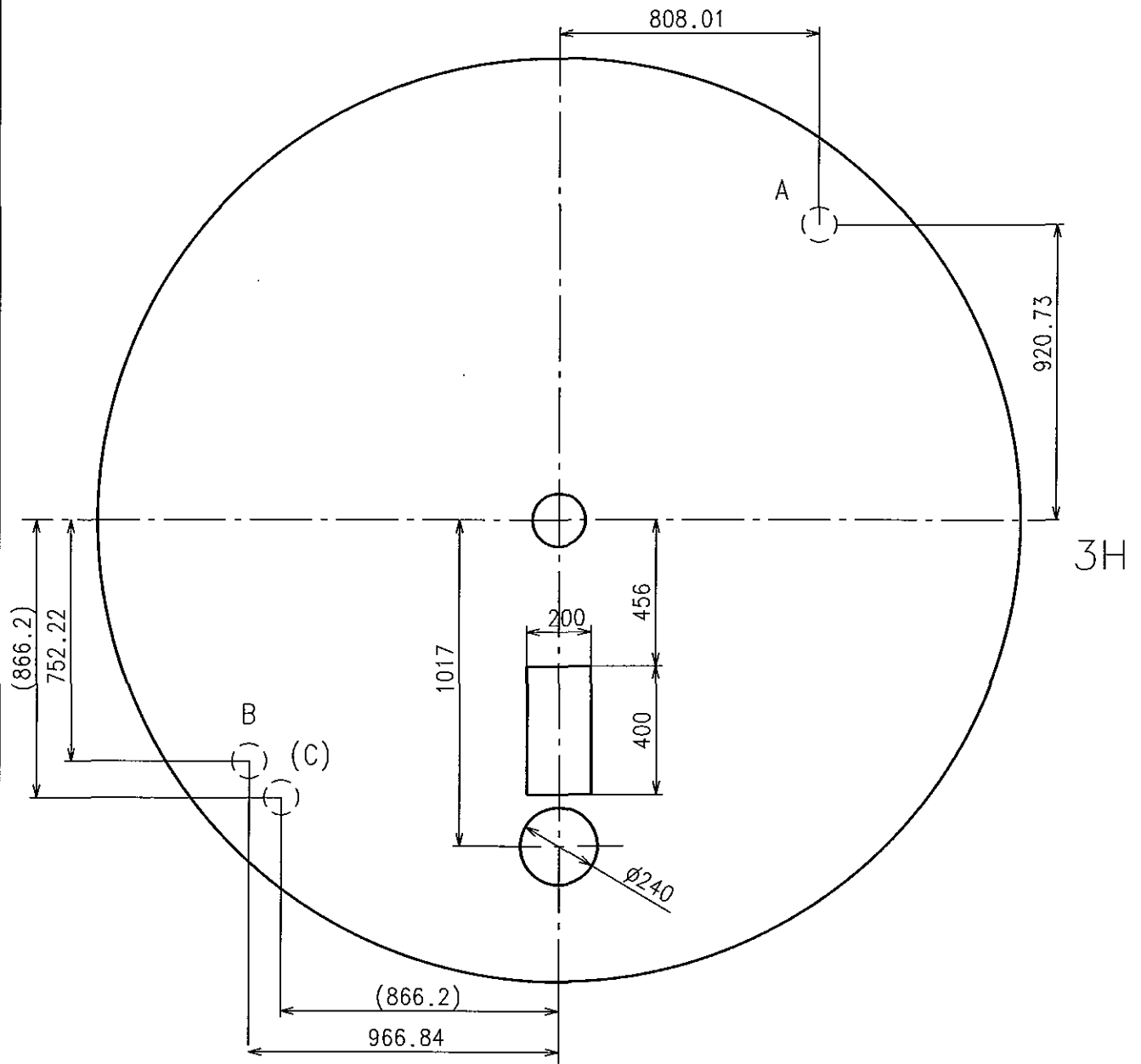
※ Use dial leg hole as like below A-B or (A-C)



* Use dial leg hole as like below A-B or (A-C)

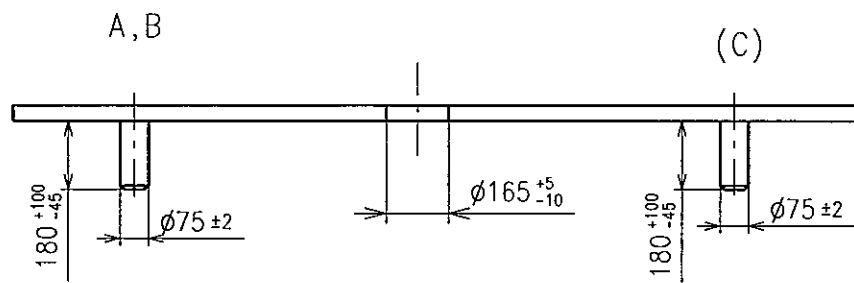
Ref. No.
VX43E12S

12H

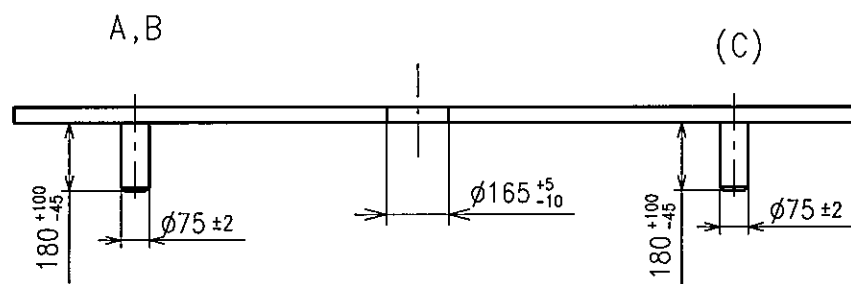
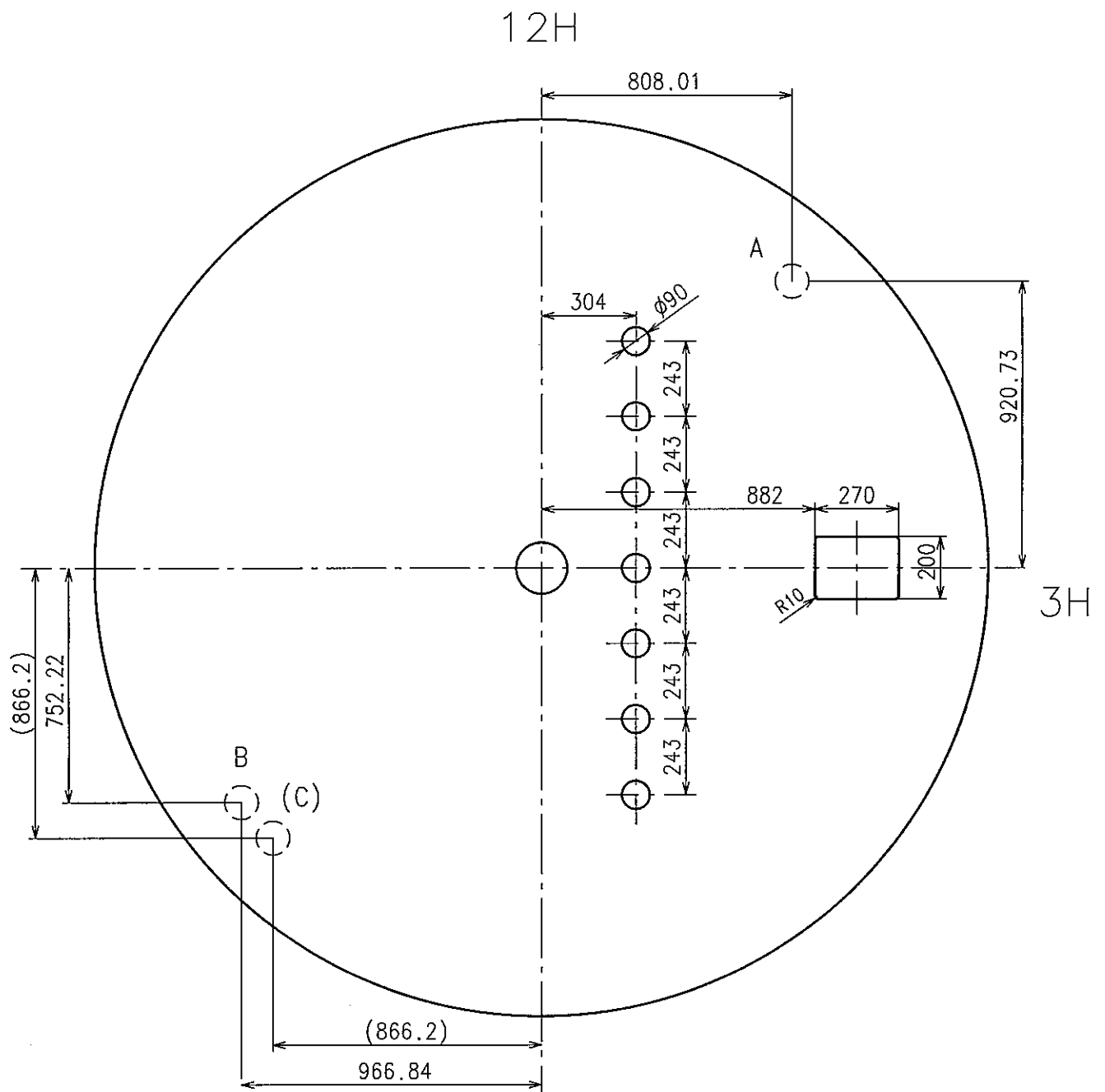


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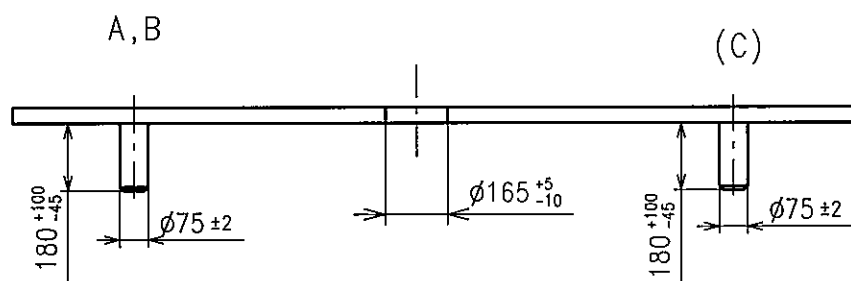
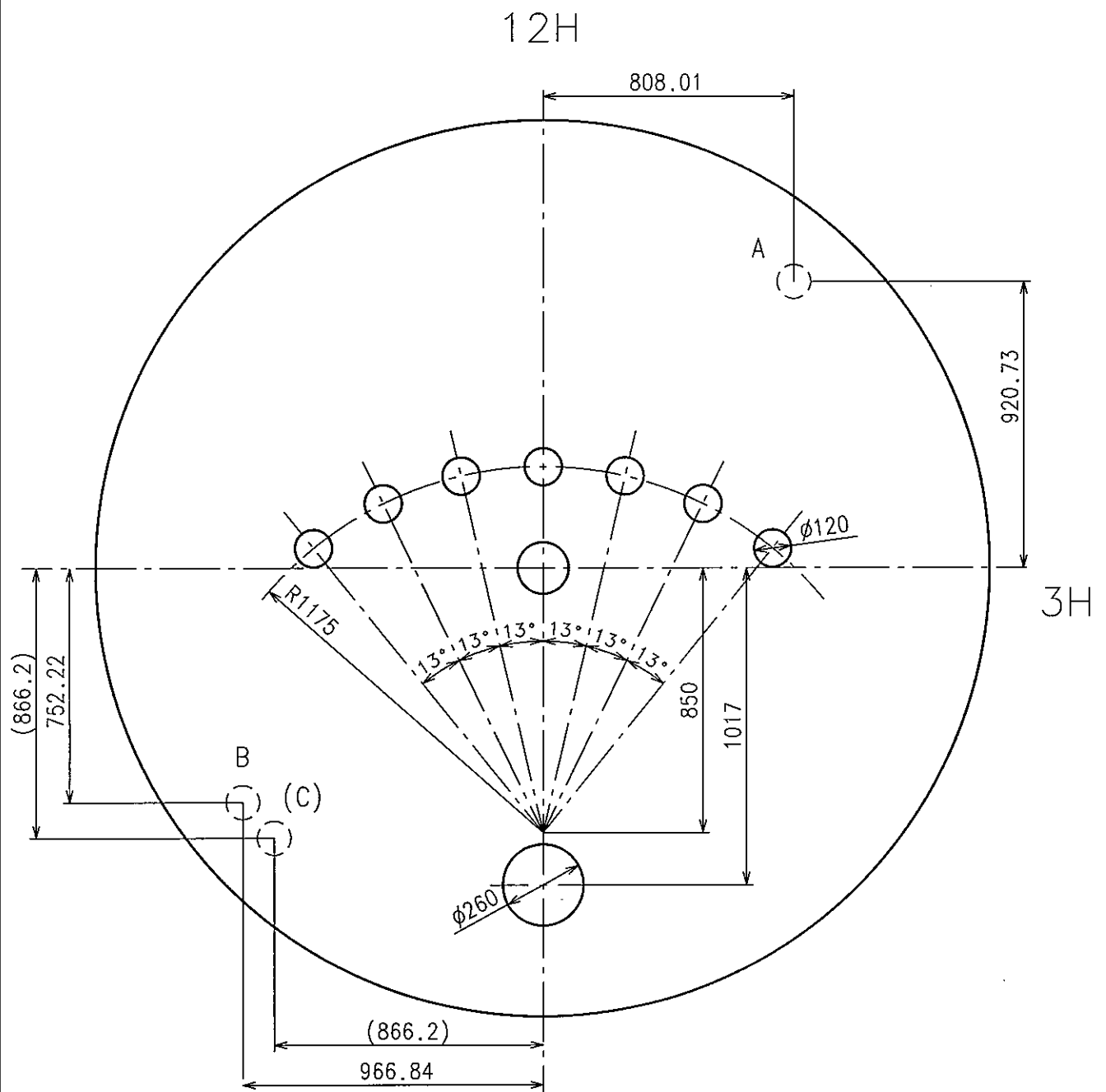
12H



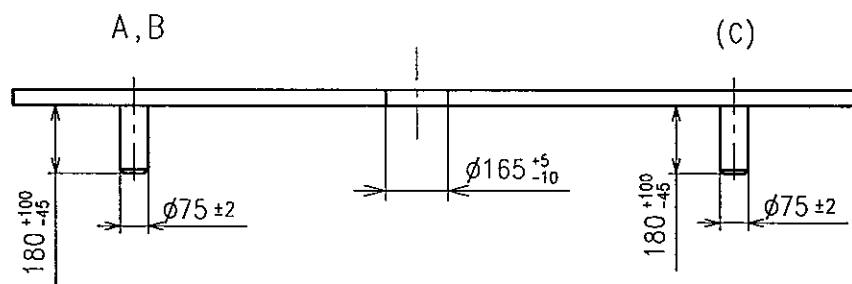
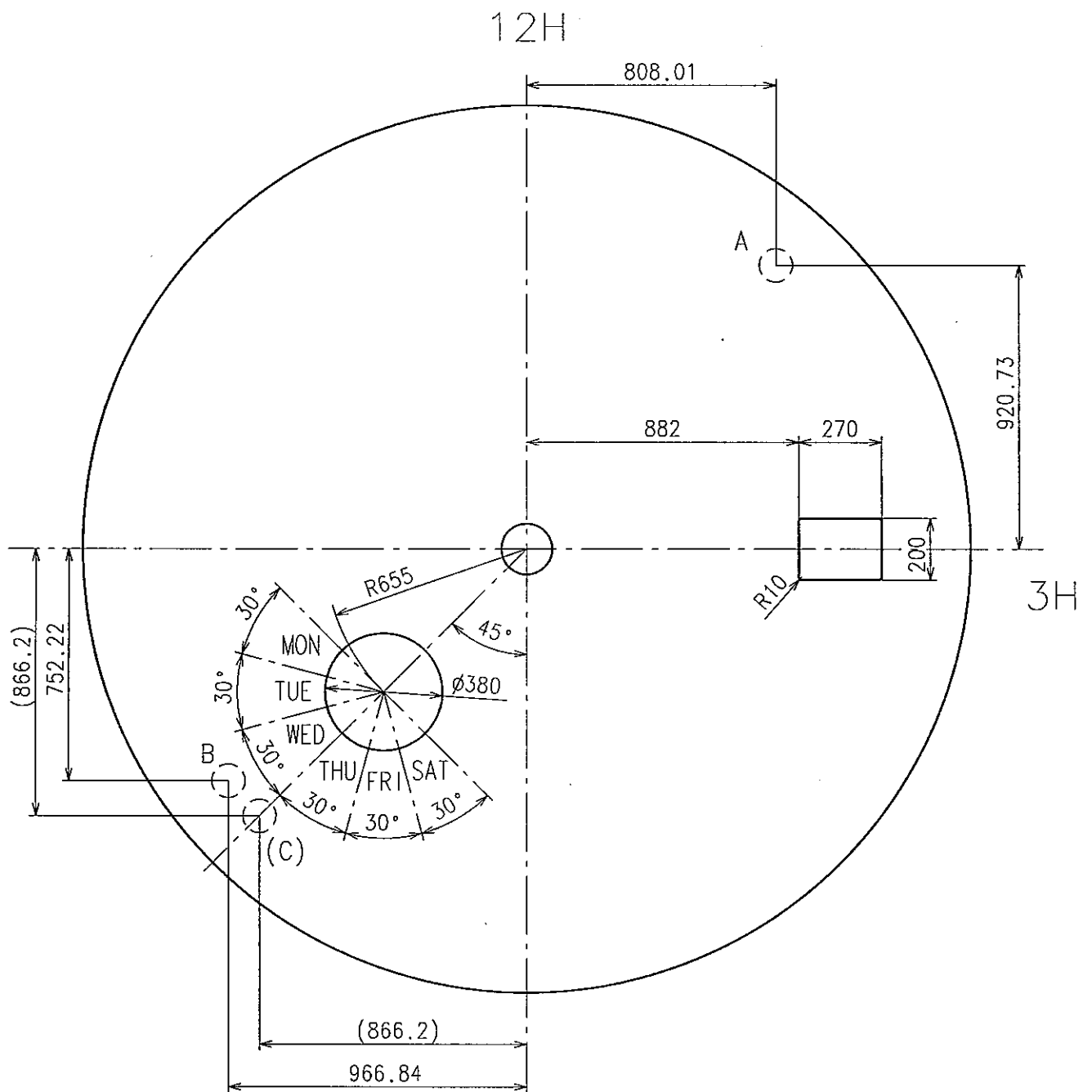
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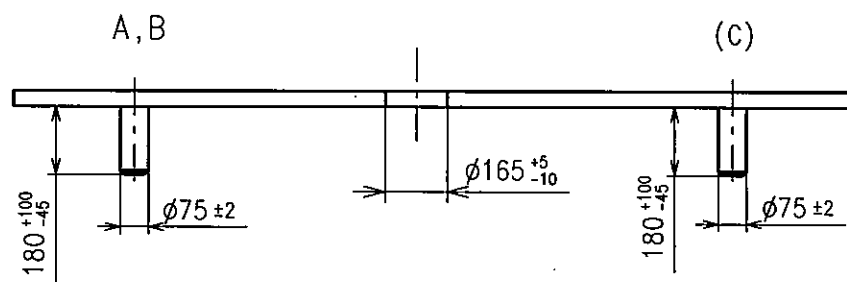
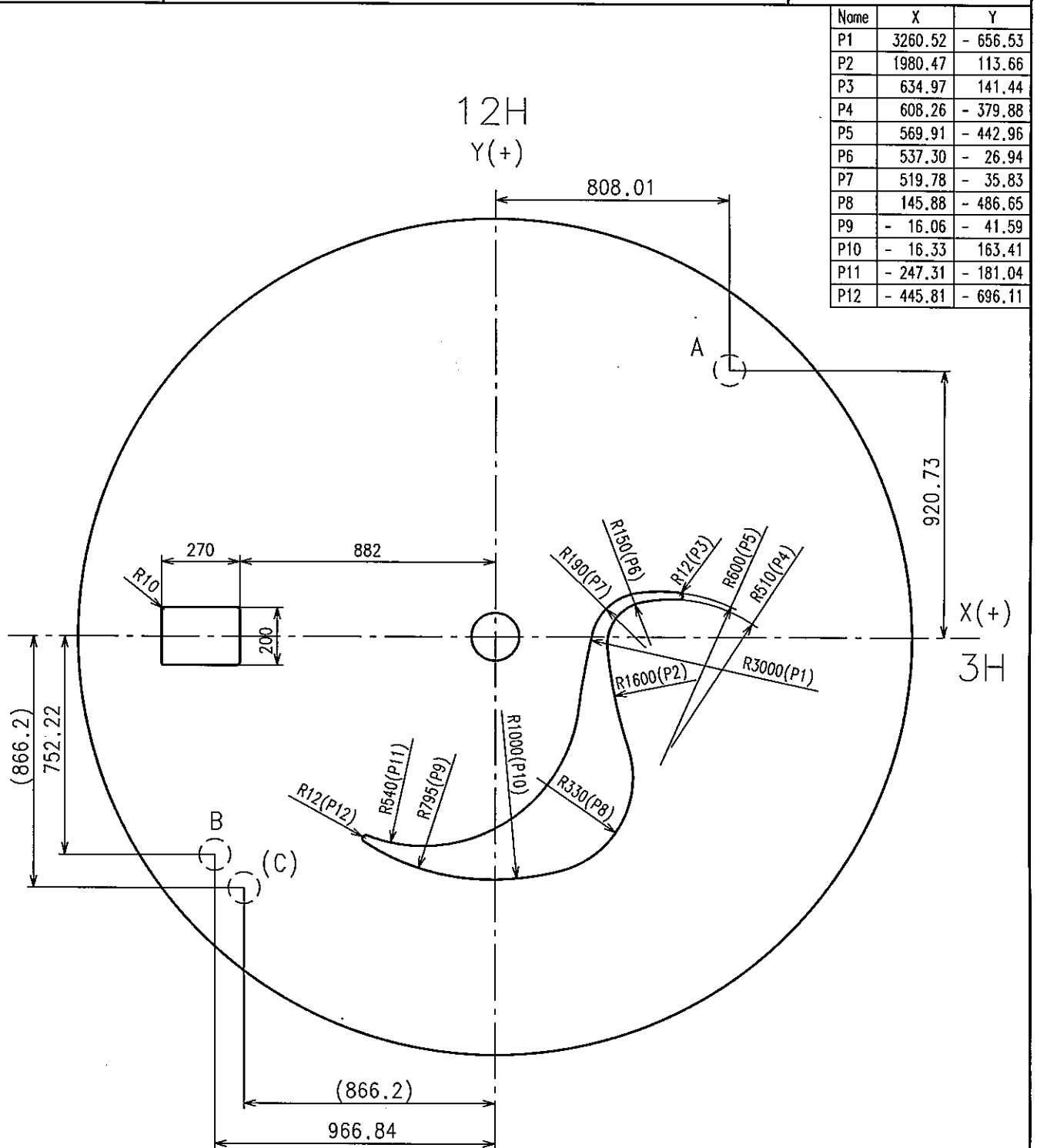
※ Use dial leg hole as like below A-B or (A-C)



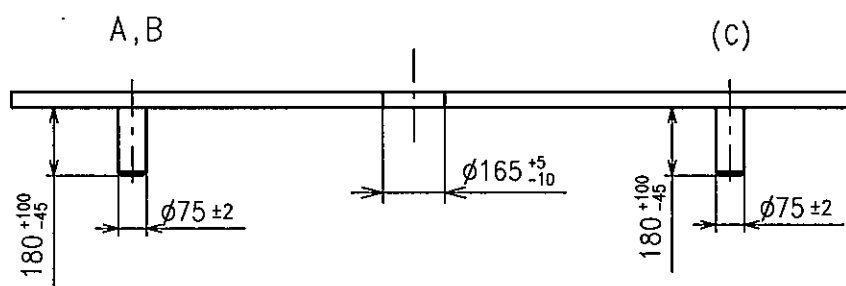
※ Use dial leg hole as like below A-B or (A-C)



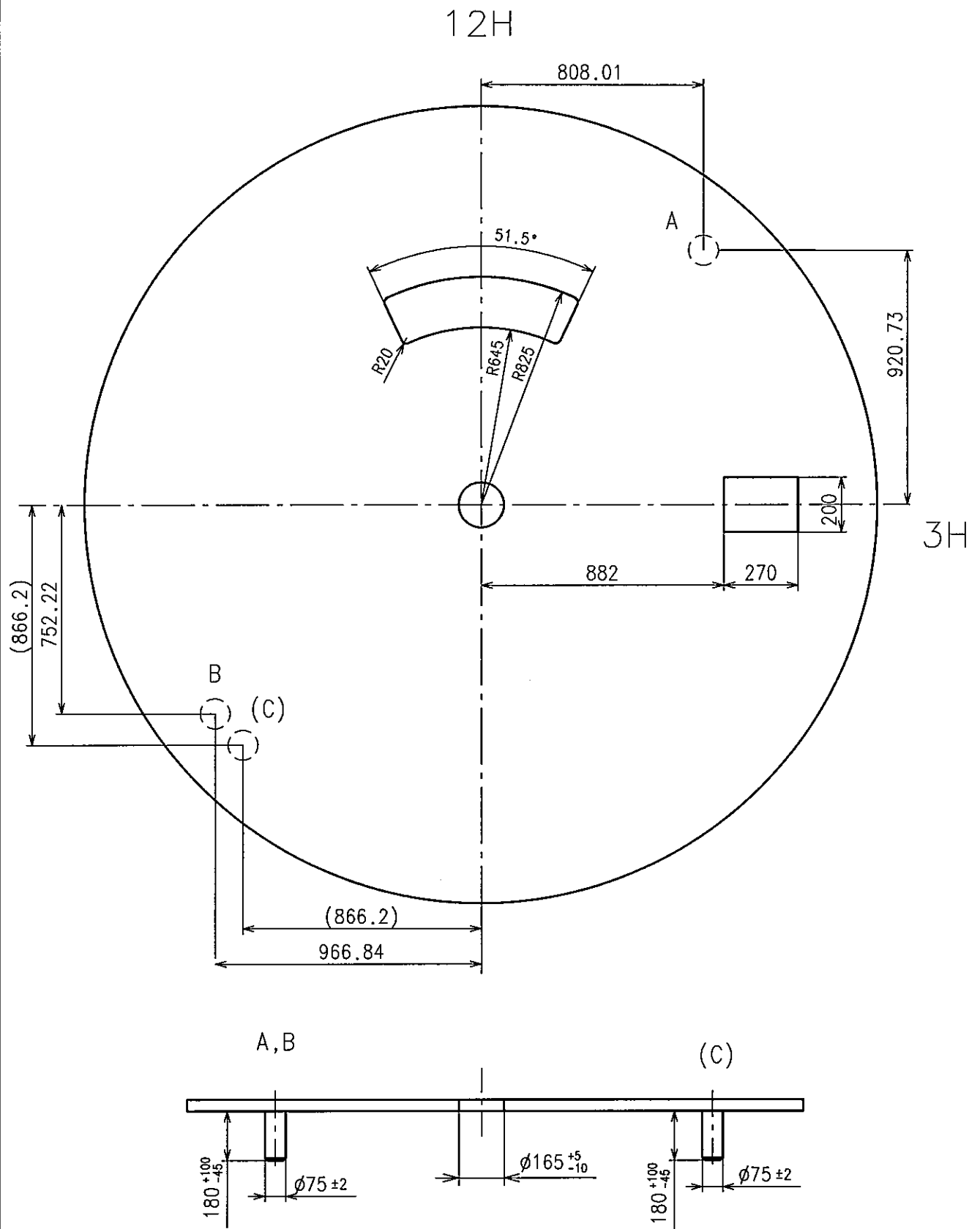
※ Use dial leg hole as like below A-B or (A-C)



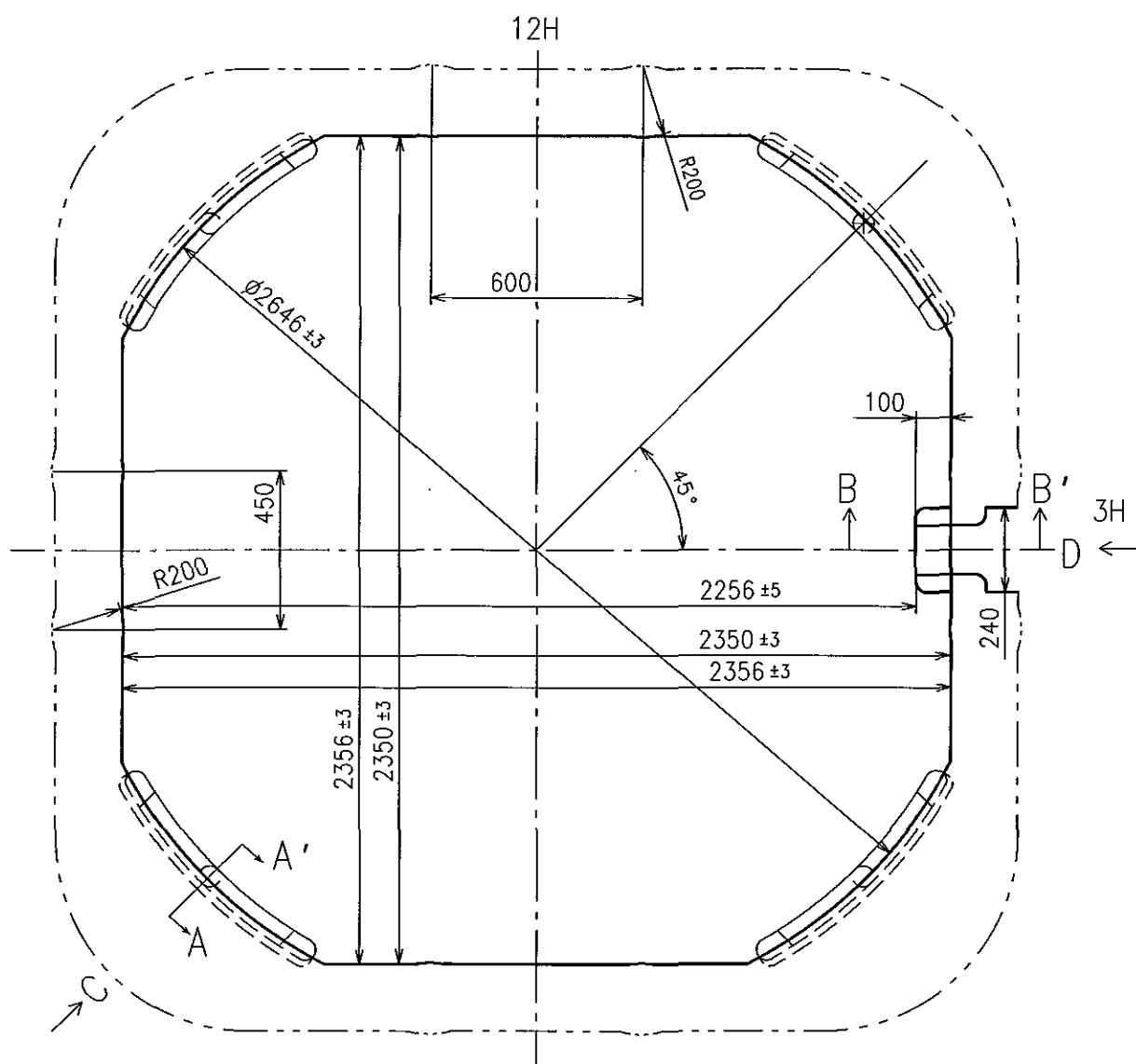
※ Use dial leg hole as like below A-B or (A-C)



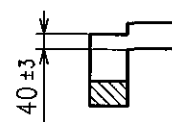
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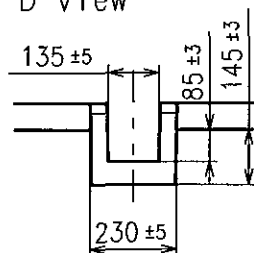
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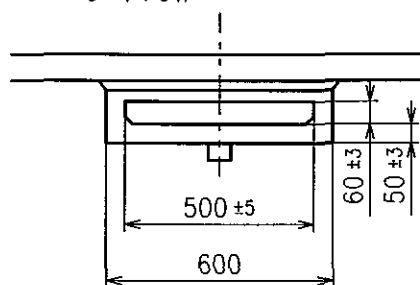
B-B' section



D view



C view



A-A' section

