



Cal. Y121E

15.3×17.8 mm
H 2.99 mm

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Date: 23/Jul./'08

S.EPSON Products

MOVEMENT SPECIFICATIONS

CAL. Y121E

Analog Quartz 6 3/4 × 8" Standard Series Movement / Three Hands (H/M/S)

1. MOVEMENT DIMENSIONS

*Outside diameter	15.30mm(3-9H) × 18.20mm(12-6H)
*Casing diameter	15.30mm(3-9H) × 17.80mm(12-6H)
*Total height	2.99mm

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
*Reset switch	
*Setting mechanism	Crown at normal position : Free Crown pulled out 1st click : Time setting / Reset

4. FEATURES

*Jewels	0 Jewel
*Anti-magnetism	Over 1600A/m (Direct current magnetic field)
*Maximum unbalance of hands	Second hand : 6 mg•mm Minute hand : 60 mg•mm Hour hand : 50 mg•mm

5. BATTERY

*Type / Size	Silver oxide battery / φ 6.8mm × t 2.6mm
*Recommended battery	SR626SW (Maxell, Panasonic, Sony, Seizaiken)
*Nominal voltage	1.55 V
*Battery life	Approx. 2 years
*Driving current consumption	Approx. 1.5 μ A
*Operation stopping voltage	1.1 V

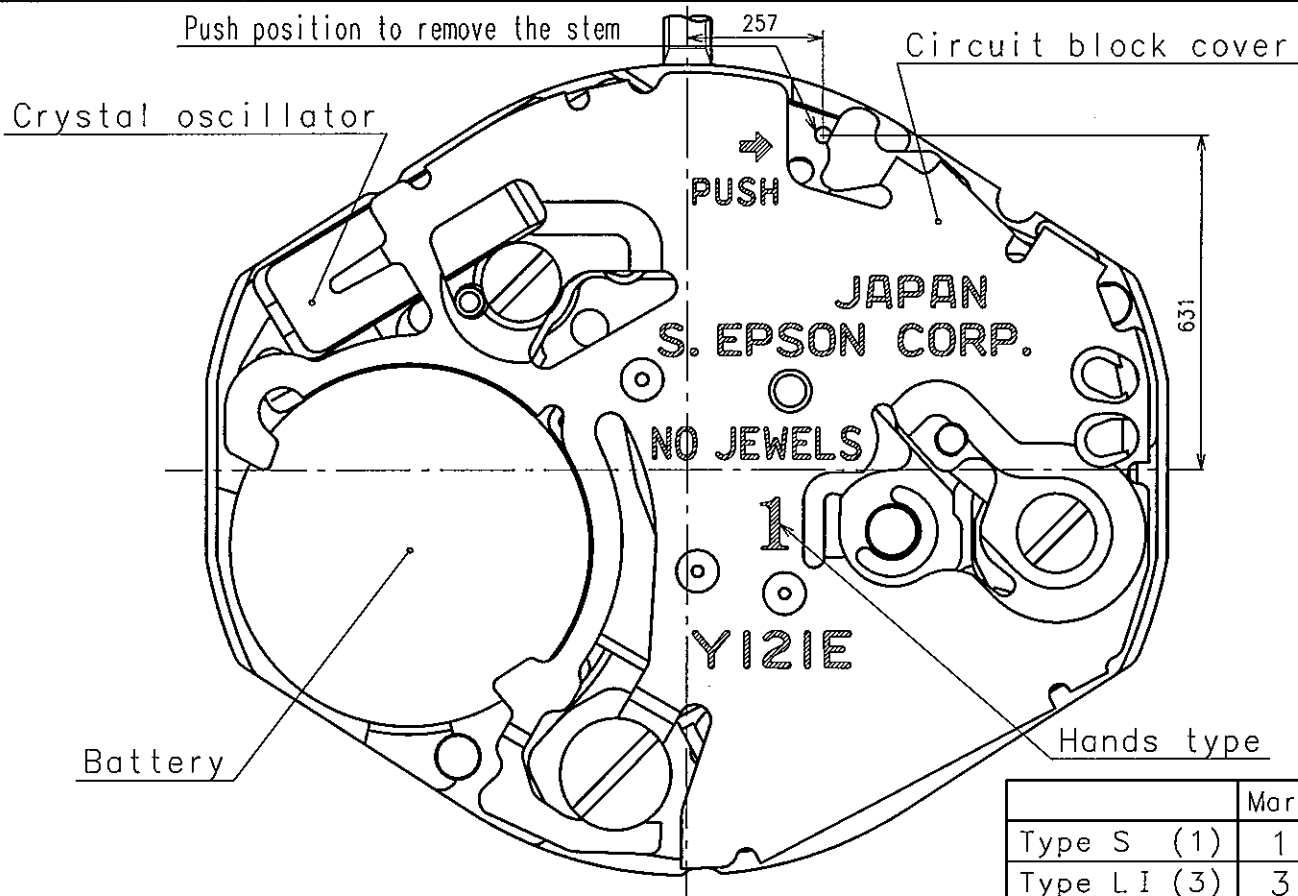
6. SEPARATED PARTS (Parts code)

*Hand setting stem	0354788 or 0354787
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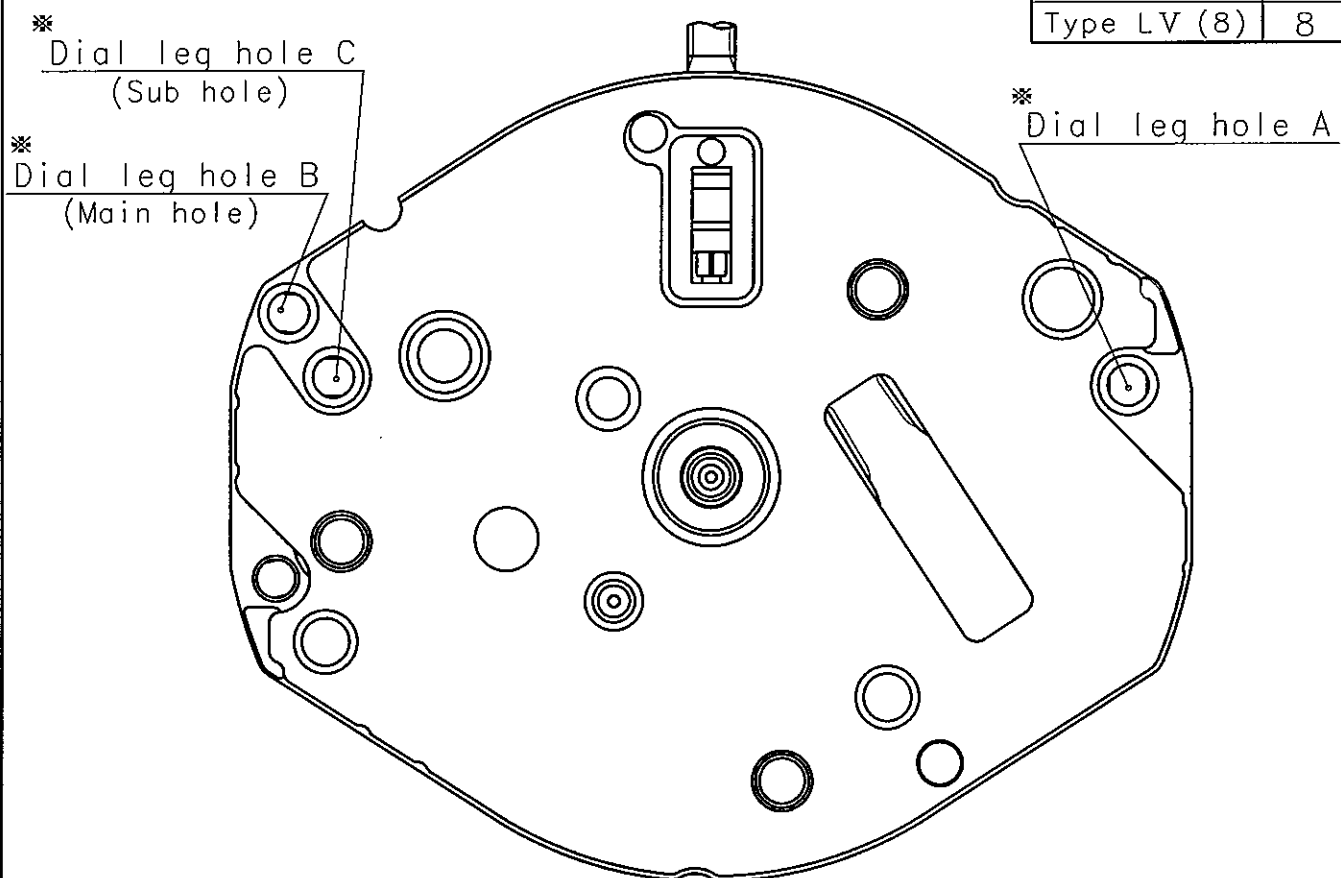
7. TEST OF ACCURACY

*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

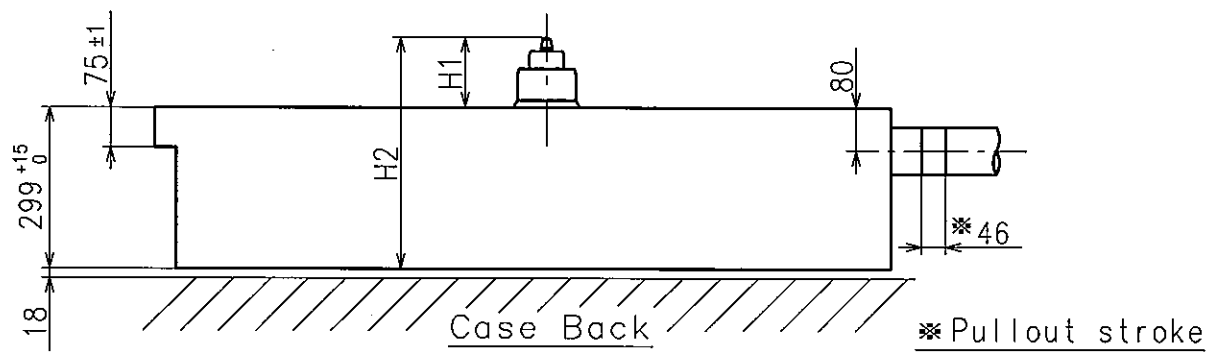
All specifications are subject to change without notice.



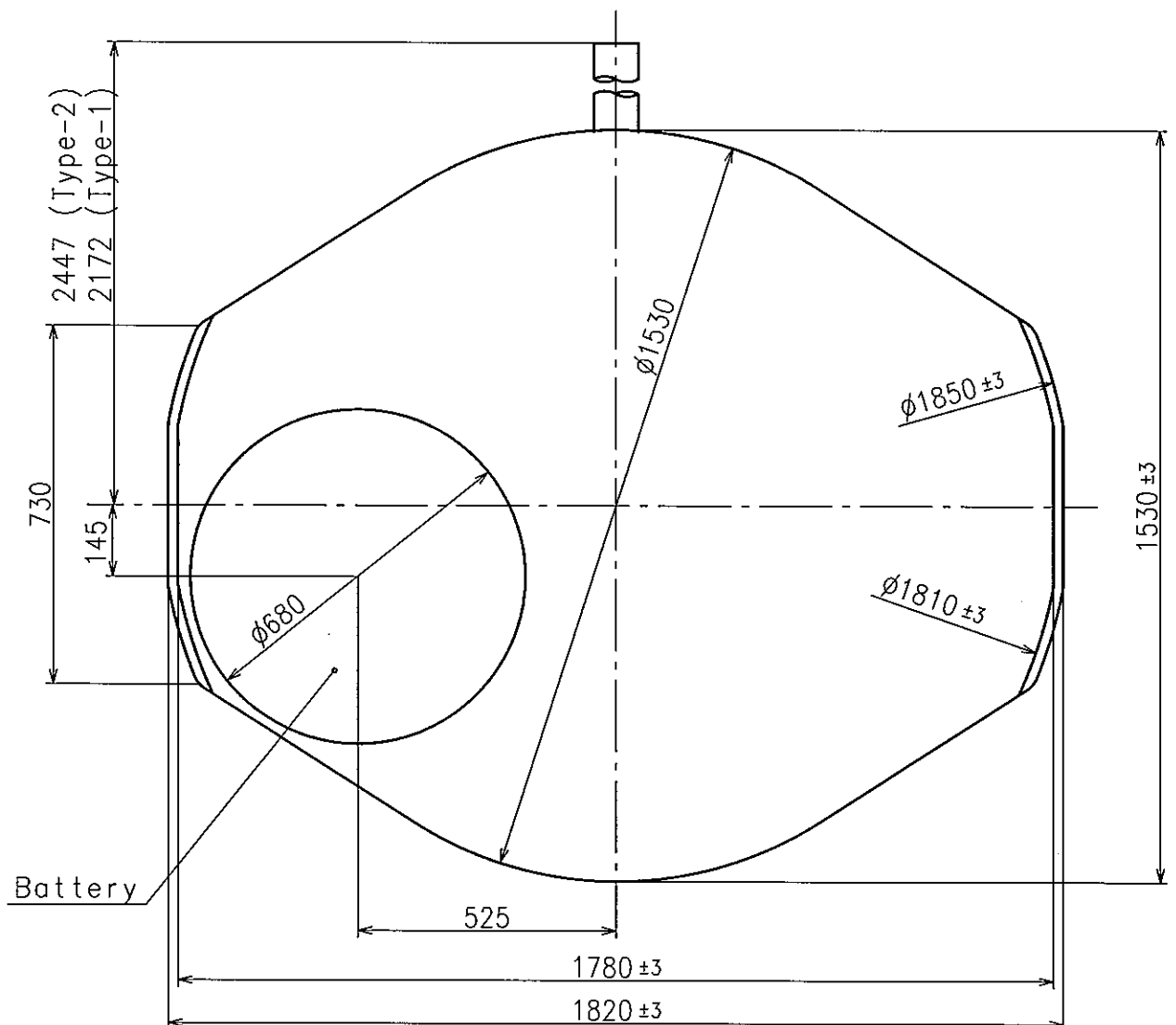
	Mark
Type S (1)	1
Type LI (3)	3
Type LII (4)	4
Type LIII (6)	6
Type LIV (7)	7
Type LV (8)	8



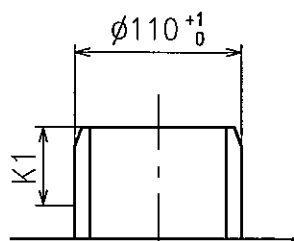
※ :Combination of dial leg hole A-B,(A-C)



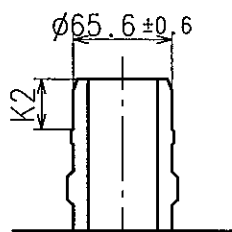
Center post		Type S(1) Y121E1 Y121ER	Type LI(3) Y121E3	Type LII(4) Y121E2	Type LI(6) Y121E5	Type LI(7) Y121E4	Type LV(8) Y121E6
Maximum height from dial support	H1	143	191	251	309	371	403
Total height incl. movement	H2	442	490	550	608	670	702



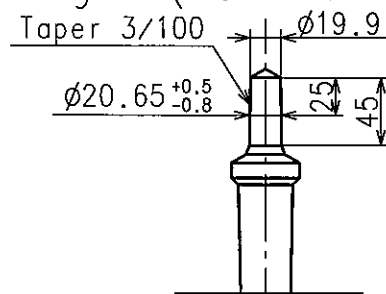
- * Second hand unbalance $\leq 6\mu \text{ g} \cdot \text{m} (0.06\mu \text{ N} \cdot \text{m})$
- * Minute hand unbalance $\leq 60\mu \text{ g} \cdot \text{m} (0.6\mu \text{ N} \cdot \text{m})$
- * Hour hand unbalance $\leq 50\mu \text{ g} \cdot \text{m} (0.5\mu \text{ N} \cdot \text{m})$



Hour wheel



Center wheel

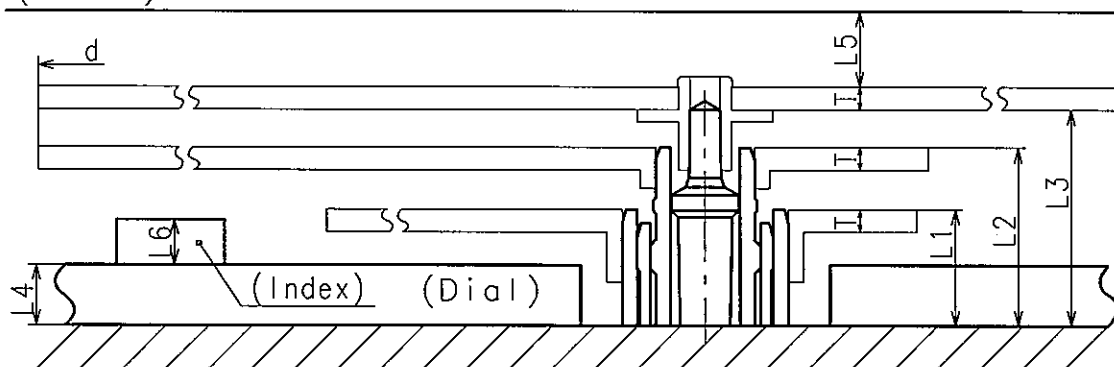


Fourth wheel

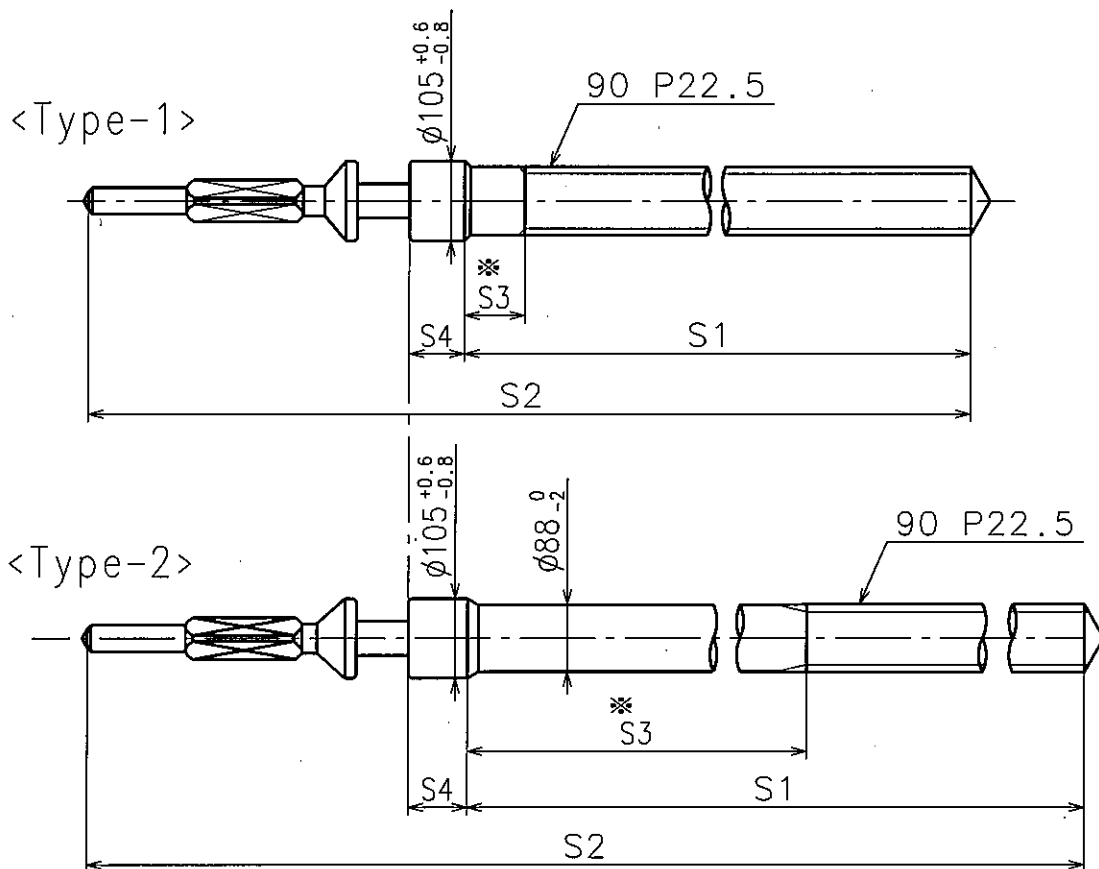
	Parts No.			Dimension	
	Hour wheel	Center wheel	Fourth wheel	K1	K2
Type S (1) Y121E1/Y121ER	0271796	0221797	0241798	52	33.5
Type L I (3) Y121E3	0271764	0221764	0241764	60	33.5
Type L II (4) Y121E2	0271797	0221779	0241777	60	33.5
Type L III (6) Y121E5	0271775	0221766	0241757	60	33.5
Type L IV (7) Y121E4	0271756	0221765	0241756	60	33.5
Type L V (8) Y121E6	0271778	0221767	0241758	60	33.5

" " " " " " " " "

(Glass) " " " " " " " "



	L1	L2	L3	L4	L5	L6	T	d
Type S (1) Y121E1/Y121ER	80	118	143	40	MIN: 50	MAX: 30	15	MAX: Ø2500
Type L I (3) Y121E3	128	166	191	90	MAX: 50	MIN: 30	15	MAX: Ø2500
Type L II (4) Y121E2	185	226	251	150	MAX: 50	MIN: 30	15	MAX: Ø2500
Type L III (6) Y121E5	235	281	309	200	MAX: 50	MIN: 35	15	MAX: Ø2500
Type L IV (7) Y121E4	297	343	371	250	MAX: 50	MIN: 45	15	MAX: Ø2500
Type L V (8) Y121E6	329	375	403	280	MAX: 50	MIN: 45	15	MAX: Ø2500

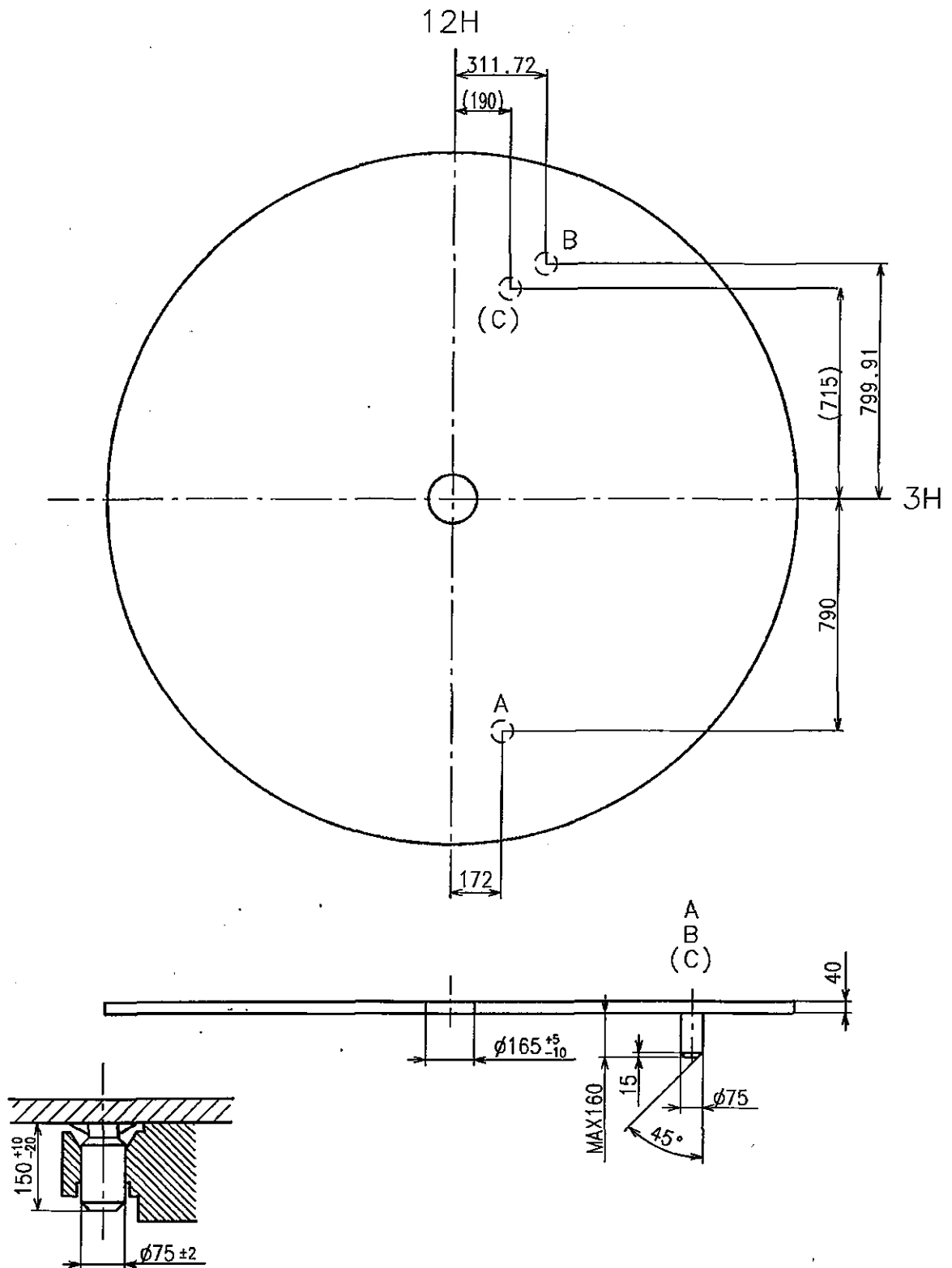


* Not threaded

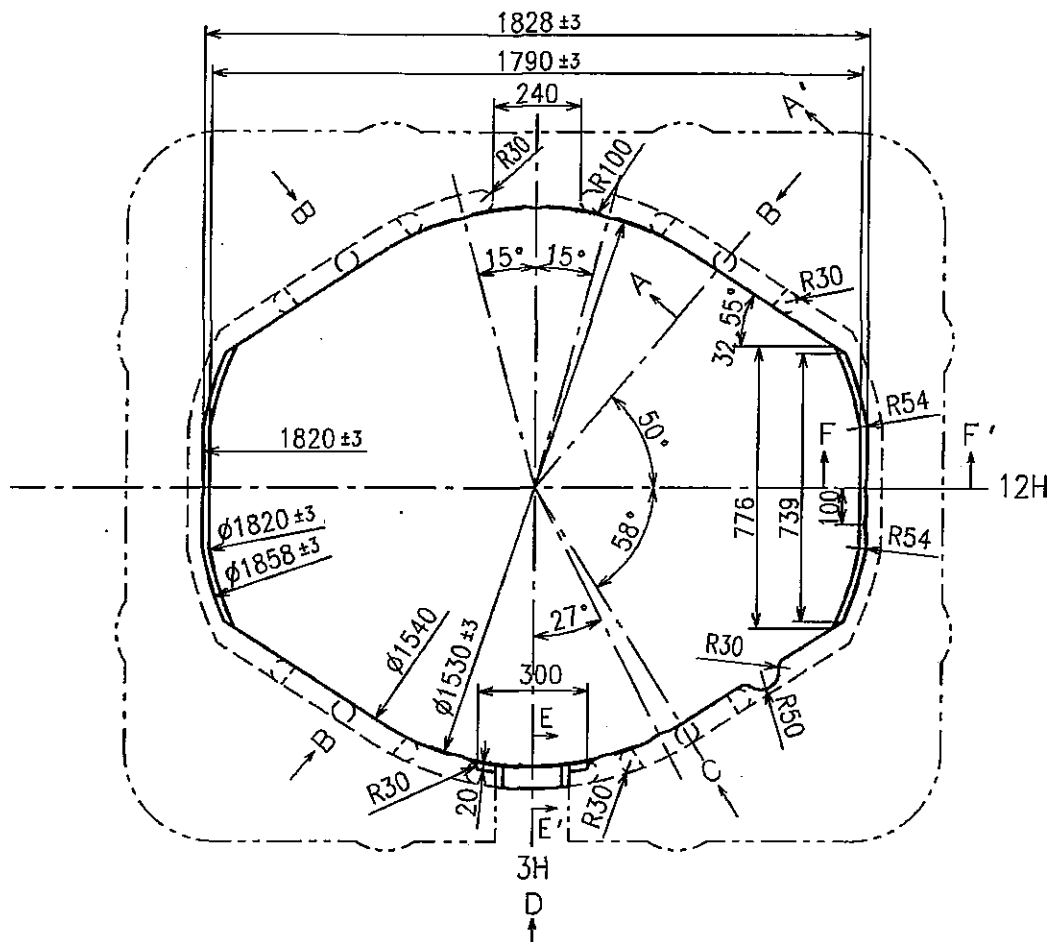
	Part No.	S1	S2	* S3	S4
Type-1 (Standard)	0354788	1427	1925	80	73
Type-2	0354787	1697	2200	887	78

Material : Steel

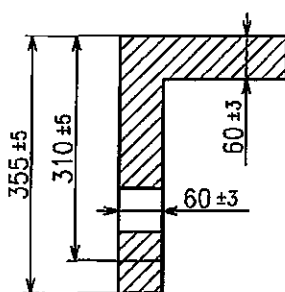
Hardness : Vickers 530±50



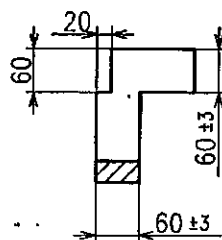
Use dial leg hole as like below A-B(Main hole) , A-C(Sub hole)



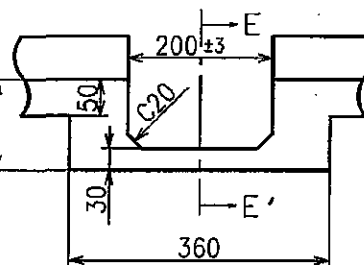
A-A' section



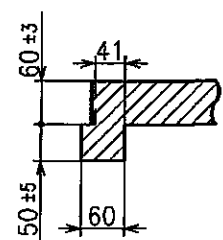
E-E' section



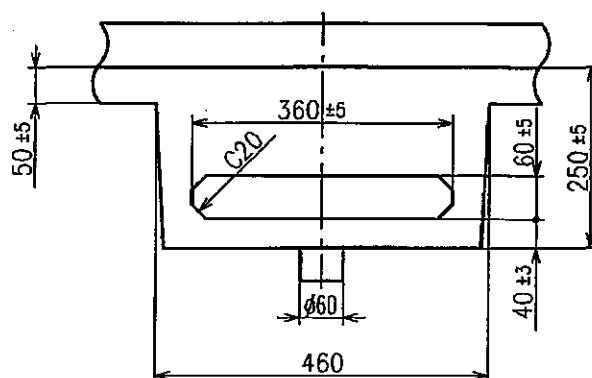
D view



F-F' section



B view



C view

