TIME MODULE

Cal. VX9NE

ϕ29.5 mm
H 3.99 mm

Items	Rev.	Page
Specifications	01	1
Appearance	00	2
Casing	00	3
Hand fitting	01	4
Hand setting stem	00	5
Dial	00	6
Casing ring	00	7
Operation	00	8

Date: 25/Jun./'13

S.EPSON Products

Date : 25/Jun./'13
Rev. : 01

MOVEMENT SPECIFICATIONS

CAL. VX9NE

Analog Quartz 12 3/4''' Movement / 3 hands (H/M/S) and 3 eyes
with Day / Date / 24 Hour indicators

1. MOVEMENT DIMENSIONS

Outside diameter	φ29.50mm × 26.00mm(3-9H) × 29.36mm(12-6H)
Casing diameter	φ28.60mm × 25.60mm(3-9H) × 28.60mm(12-6H)
Total height	3.99mm (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℃ to +50℃
Regulation device	Nil (Pre-adjusted)

3. INDICATOR / FUNCTIONS

3 Hands	Hour / Minute / Second	
3 Small hands	Day(12H) / Date(6H) / 24 Hour(9H)	
Reset switch		
Setting mechanism	Crown at normal position	: Free
	Crown pulled out 1st click	: Time setting / Reset
	2H button	: Day change
	4H button	: Date change

4. FEATURES

Jewels	0 Jewels	
Anti-magnetism	Over 1600A/m (Direct current magnetic field)	
Maximum unbalance of hands	Second hand	: 0.1μN・m
	Minute hand	: 0.9μN・m
	Hour hand	: 0.9μN・m
Moment of inertia	Day hand	: less than 0.008μg・m²

5. BATTERY

Type / Size	Silver oxide battery / φ9.5mm × t 2.7mm
Recommended battery	SR927SW (Maxell, Panasonic, Sony, Seizaiken)
Nominal voltage	1.55 V
Battery life	Approx. 3 years
Driving current consumption	Approx. 2.1μA
Operation stopping voltage	1.1 V

6. SEPARATED PARTS (Parts code)

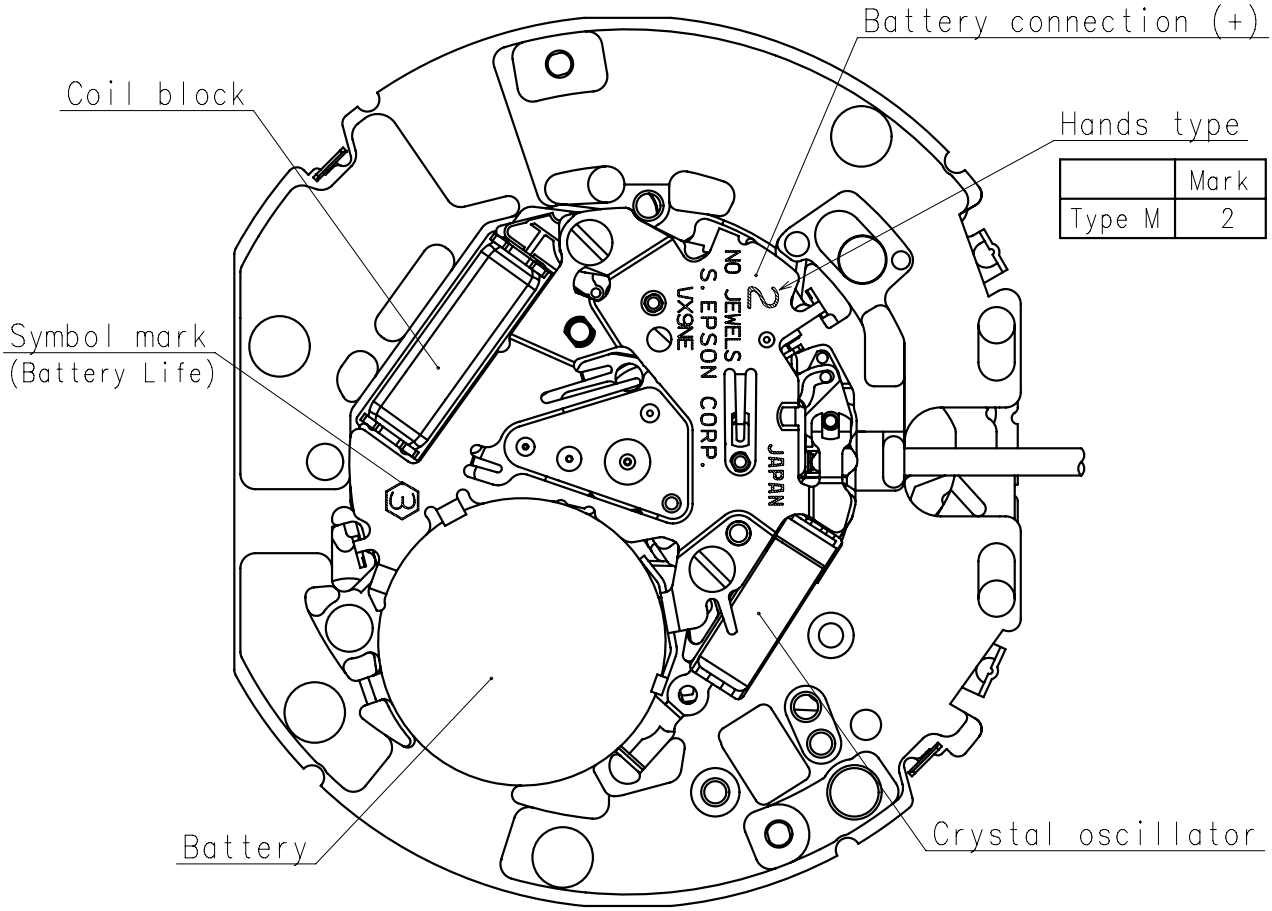
Hand setting stem	0351578
Battery	SR927SW

7. TEST OF ACCURACY

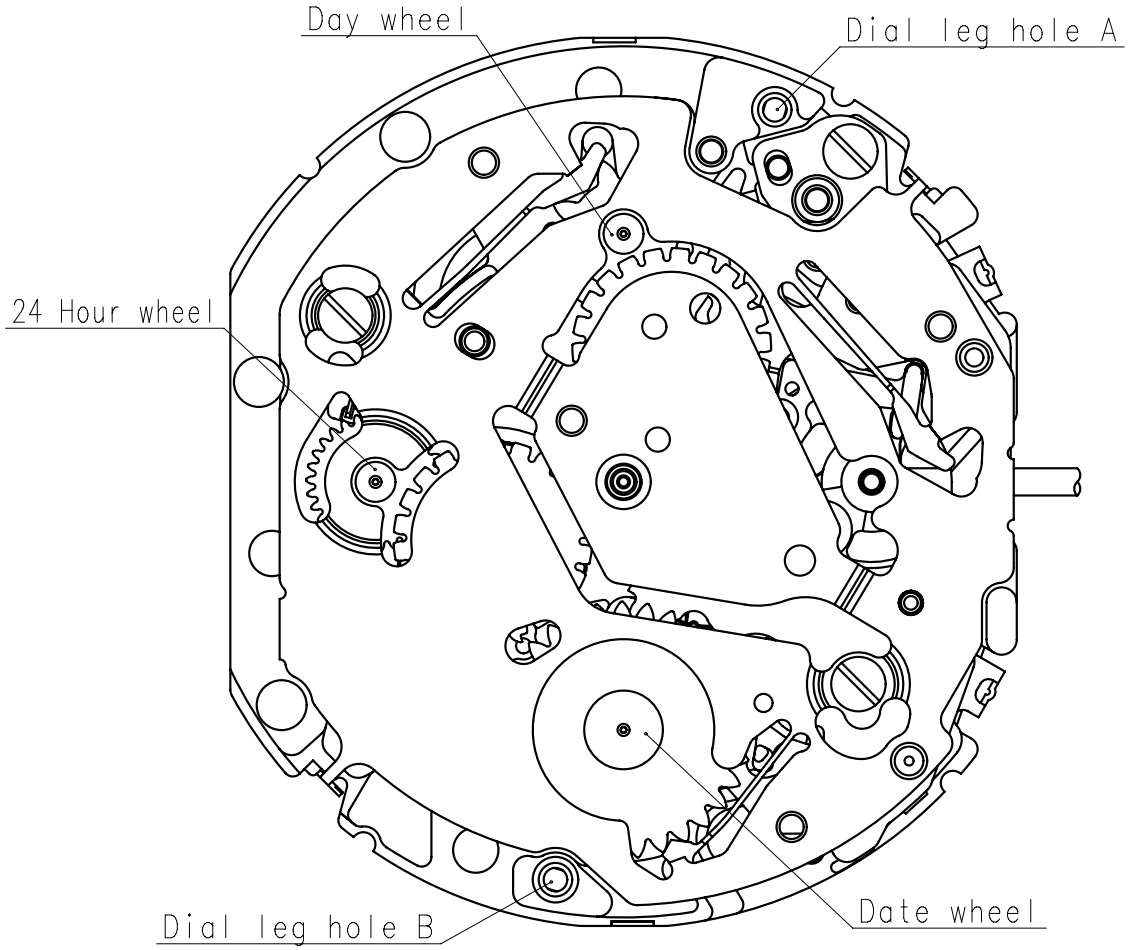
Equipment to be used	SEIKO quartz tester QT-99,
	Greiner quartz timer-C , Witschi Q-tester 4000
Duration of measurement	10 seconds
Microphone to be used	Electromagnetic detection type

All specifications are subject to change without notice.

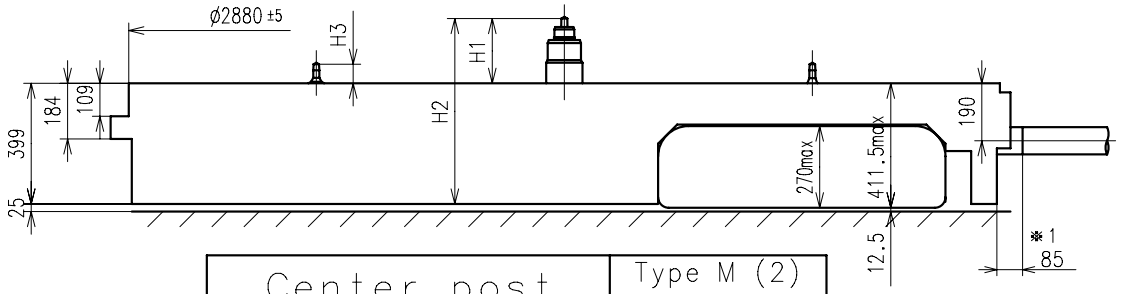
Cal. VX9NE	Appearance	Date:27/Dec./'12
		Rev.:00



	Mark
Type M	2

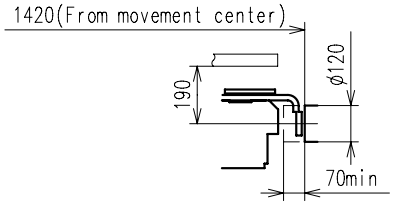


Cal. VX9NE	Casing	Date:27/Dec./'12
		Rev.:00

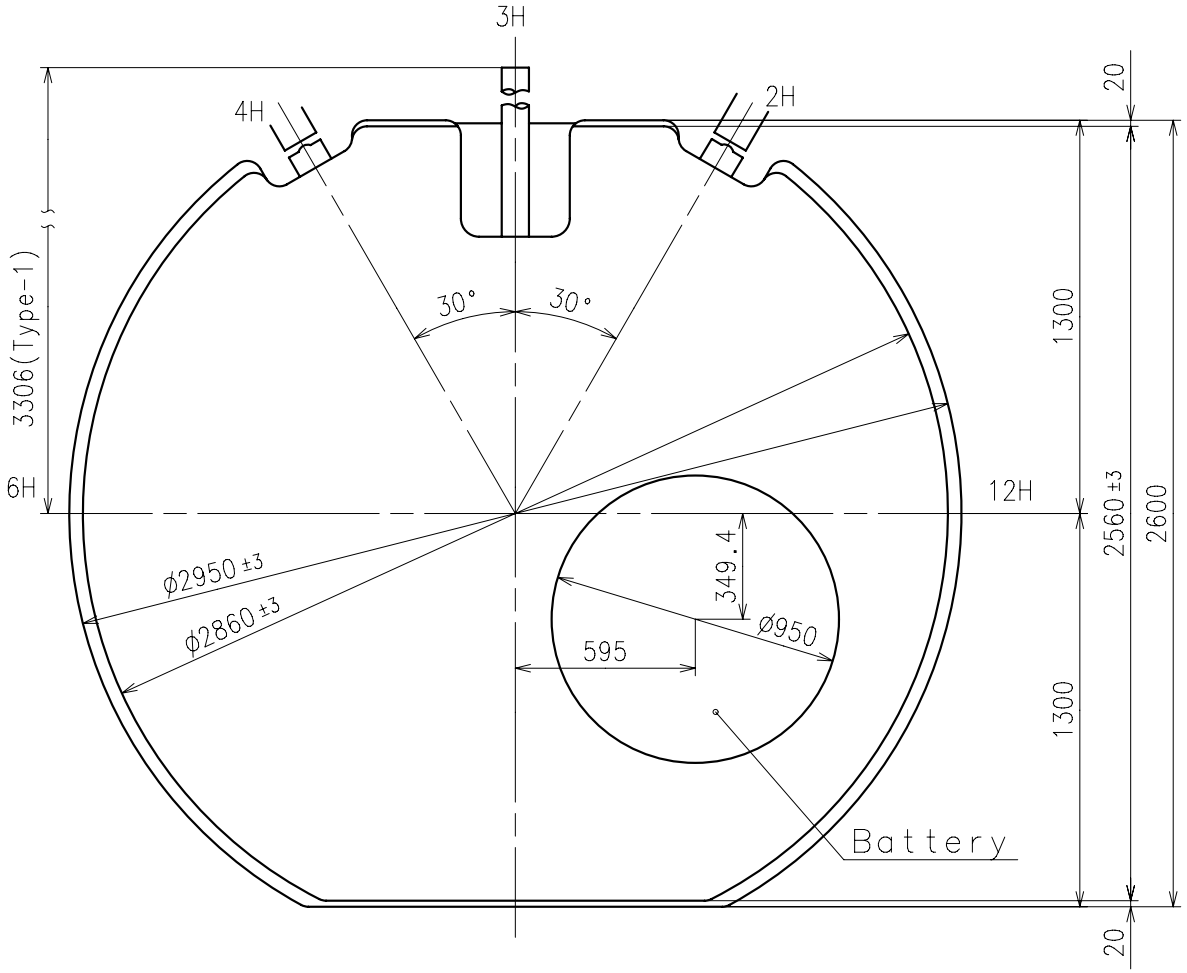


Center post		Type M (2) VX9NE**
Maximum height from dial support	H1	214
Total height including movement	H2	613
Total height from dial support	H3	63

※1:First pullout stroke



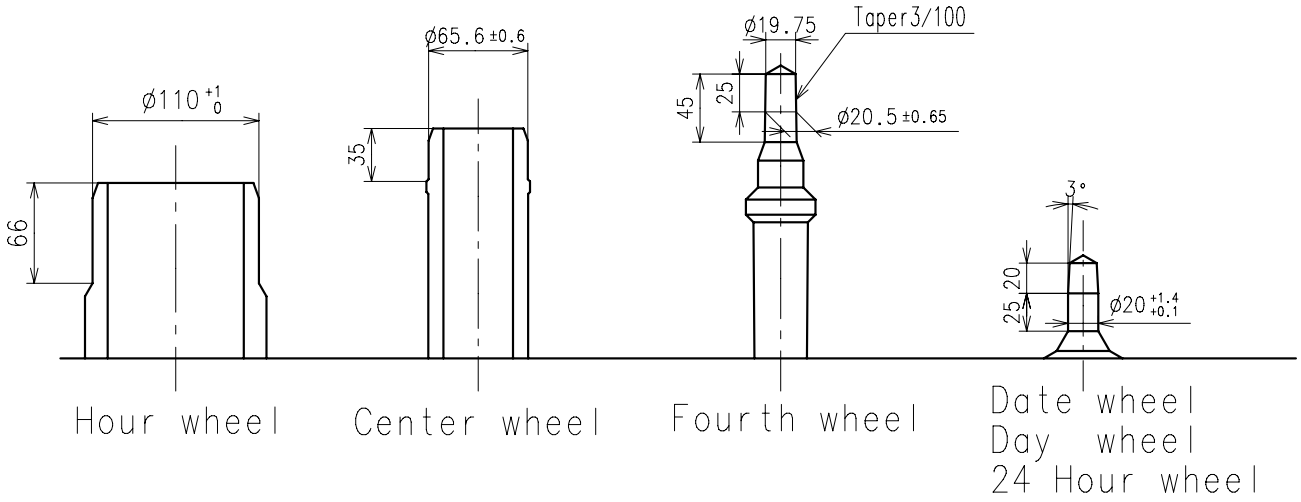
Button stroke



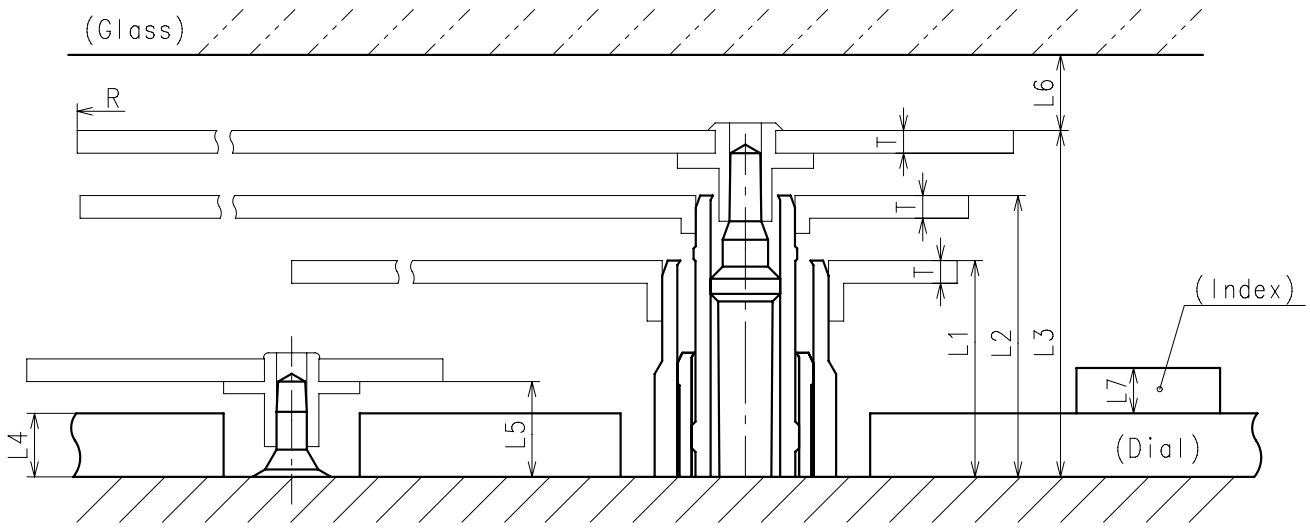
Unit : 1=1/100mm

※Unbalance
- Hour hand ≦ 0.9μ N・m (90μ g・m)
- Minute hand ≦ 0.9μ N・m (90μ g・m)
- Second hand ≦ 0.1μ N・m (10μ g・m)

※Moment of inertia
- Day hand ≦ 0.008μ g・m²

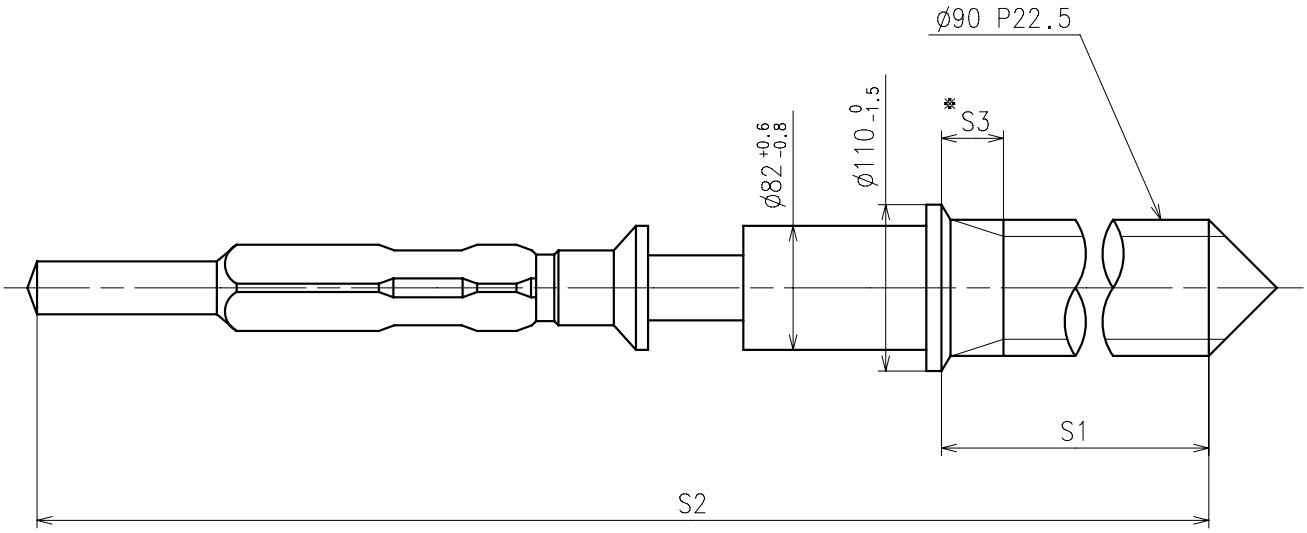


	Parts No.					
	Hour wheel	Center wheel	Fourth wheel	Date wheel	Day wheel	24 Hour wheel
Type M (2) VX9NE**	0271658	0221602	0241559	0970503	1002546	1002559



	L1	L2	L3	L4	L5	L6	L7	T	R
Type M (2) VX9NE**	143	186	229	40	63	MIN: 50	MAX: 50	15	MAX: 1250

Cal. VX9NE	Hand setting stem	Date:27/Dec./'12 Rev.:00



※ Not threaded

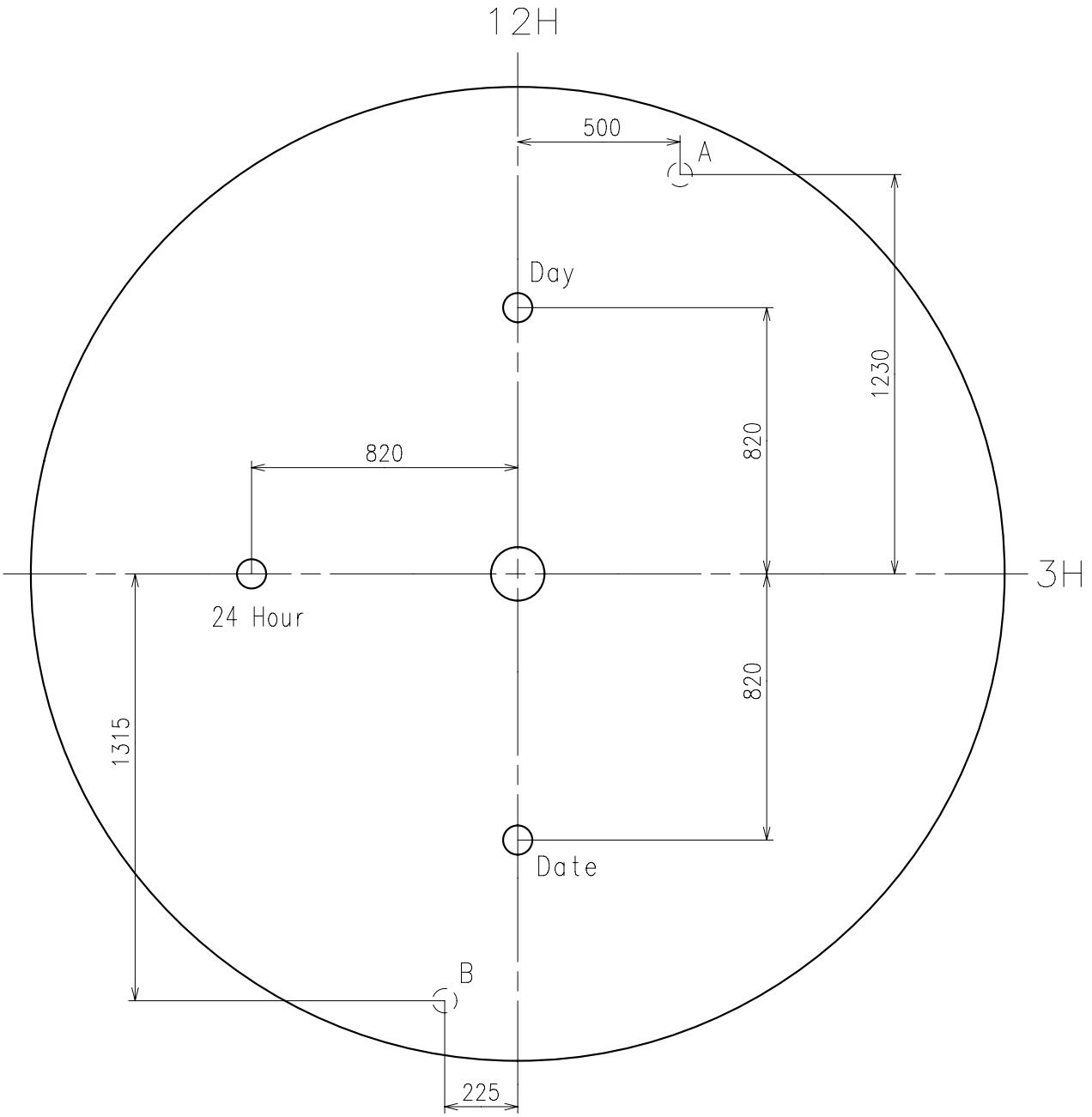
	Part No.	S1	S2	※S3
Type-1	0351578	2507	3105	650

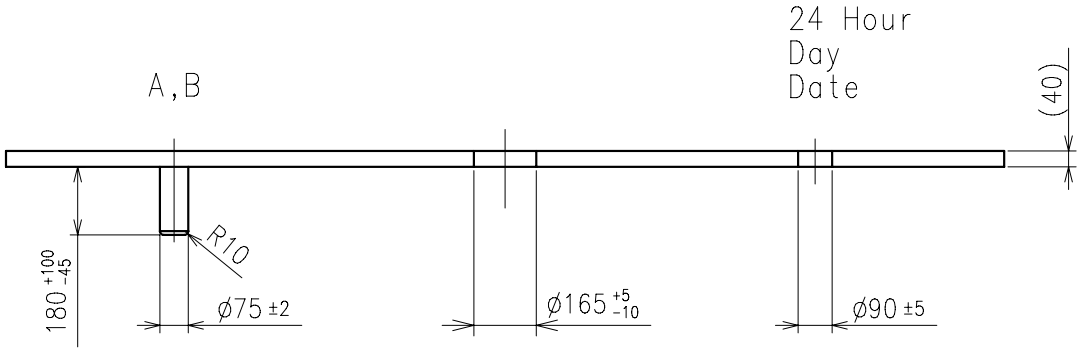
Material : Steel

Hardness : Vickers 600±50

Unit : 1=1/100mm

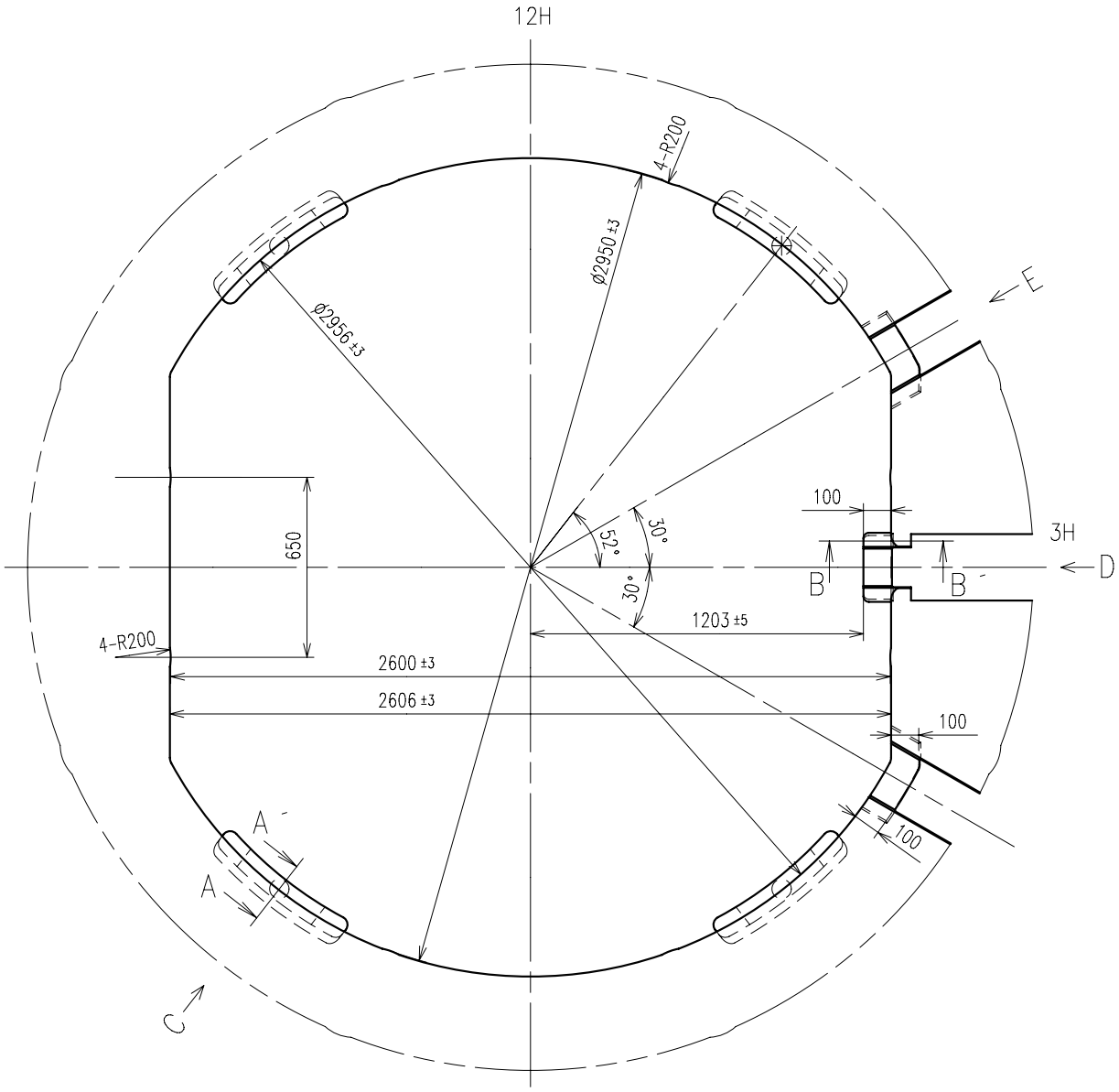
Cal. VX9NE	Dial	Date:27/Dec./'12
		Rev.:00



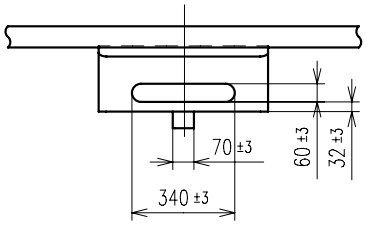


Unit : 1=1/100mm

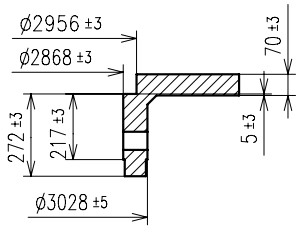
Cal. VX9NE	Casing ring	Date:27/Dec./'12
		Rev.:00



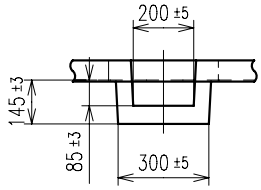
C view



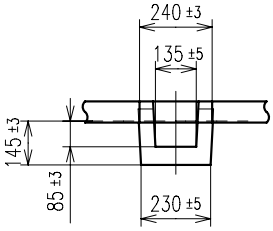
A-A´ section



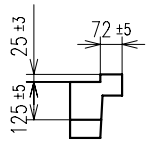
E view



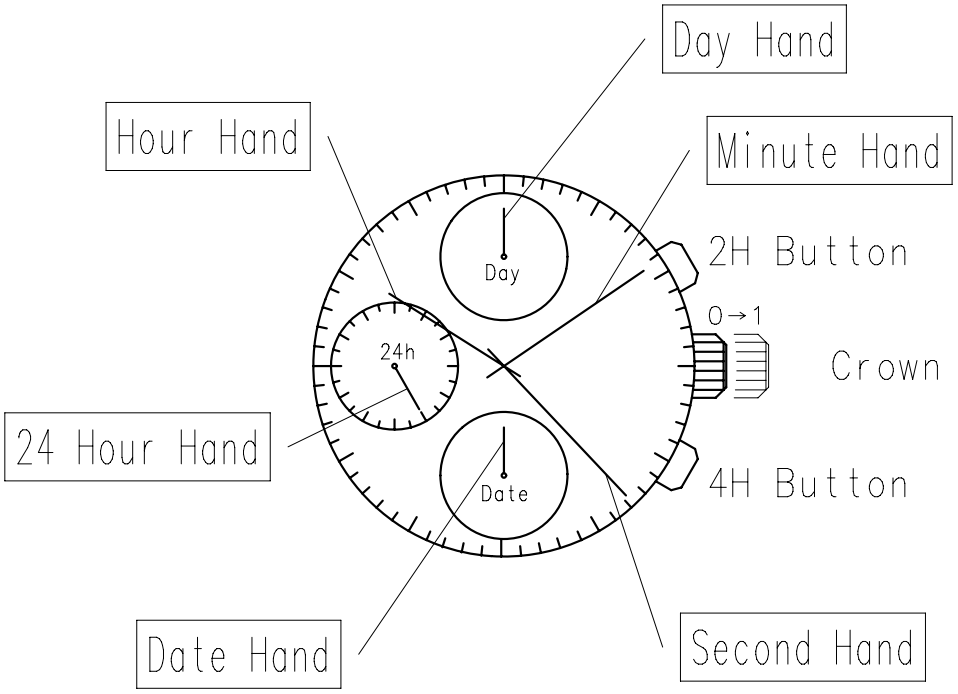
D view

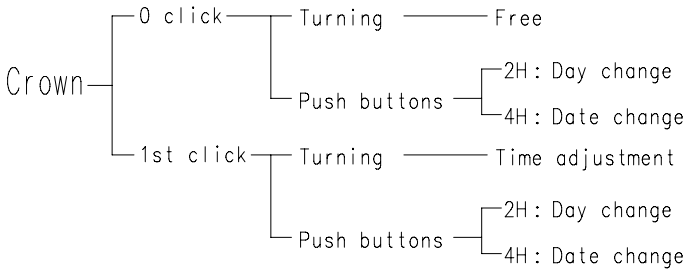


B-B´ section



Unit : 1=1/100mm





* Do not set the day and date between 9:00 PM and 4:00 AM. Otherwise, the day and date may not change properly.