

Cal. 8N24 / 8N33

SKELETON MOVEMENT



Basic specification

Calibre	8N24	8N33
Ligne	11-1/2"	
Overall diameter	Φ26.0mm	
Case fitting diameter	Φ25.6mm	
Total height	5.55mm	4.47mm
Automatic Winding	○	N/A
Manual Winding	○	○
Vibration frequency	21600 vibrations per hour	
Jewels	21 Jewels	17 Jewels

Function

Display by means of hands: hour, minute, second.

Shock-absorber for balance staff

Technical characteristics

Hands fitting force

Second hand	Max. 30N
Minute hand	Max. 50N
Hour hand	Max. 50N

Lift angle 49°

Casing Non-corresponding to "Divers' watches" defined by ISO6425

Time performance

Accuracy	-20~+40 seconds/day
Posture difference	Under 50 seconds/ day
Running time	More than 40 hours

※Accuracy of the mechanical watch is different from the daily rate of the quartz watch and the accuracy will change maximum of several ten seconds during rewinding the spring, then the accuracy of the half winding condition will be different from that of full winding condition.

<Time performance measurement condition>

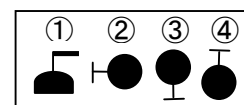
Accuracy

Measure within lapse of 10 ~ 60 minutes from full winding.

Posture difference

Measure accuracy in 4 different postures shown on the right picture within lapse of 10 ~ 60 minutes from full winding.

※Direction of 4 postures ①Date Dial side Up ②6 o'clock side up ③9 o'clock side up ④3 o'clock side up



Running time

Measure the running time from full winding.

※The mainspring becomes fully wound by rotating the ratchet wheel 7.5 times (turning the crown 40 times).

Automatic winding structure (8N24)

Winding direction : Counter-clockwise (seeing from case back side)



Operating method

(1) Winding the mainspring

Automatic winding watch can also be hand wound by turning the crown in "A" position.

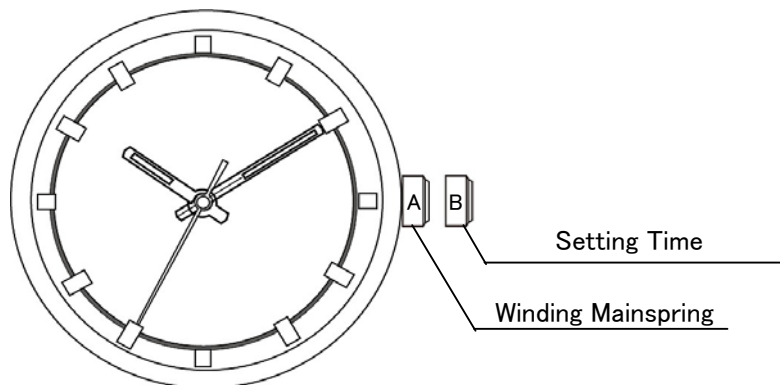
Wind 15 ~ 20 times clockwise until second hand starts to move naturally.

For 8N33

※When the mainspring is full-winded, stop turning the crown. If not stop, it can be a cause of trouble.

(2) Setting the Time

1. Pull the crown to "B" position.
2. Turn the crown to set the hour and minute hands.



Separated parts

Calibre	8N24	8N33
Winding stem	065-212 x 1	
Casing Clamp	082-060 x 2	
Screw for Clamp	924-460 x 2	
Screw for Dial	929-250 x 2	929-610 x 2

These specifications might be changed without prior notice.

CITIZEN WATCH CO., LTD.