

# Reference 5304/301

Caliber R 27 PS QR LU



*Wristwatch with minute repeater.  
Perpetual calendar with retrograde date.  
Self-winding. Rose gold.*

## Introduction

A miracle of transparency, the Reference 5304 self-winding Grand Complication with minute repeater and retrograde perpetual calendar is reinterpreted in a new rose gold version on which the bezel, lugs and fold-over clasp are enhanced with 80 baguette-cut diamonds (~6.22 ct). This sparkling touch highlights the ingenious calendar display system with sapphire disks. The "leaf" motif engraved on the white gold inserts adorning the sides of the case is echoed on the off-center rose gold mini-rotor visible through the transparent case back.

## The minute repeater

On demand, the minute repeater strikes the hours, the quarter-hours, and then the minutes that have elapsed since the last quarter-hour. The first hammer strikes the hours on the low-pitched gong with one strike for each hour. Subsequently, each quarter-hour is sounded as an alternating double strike by two hammers on both the high- and low-pitched gongs. Finally, the second hammer strikes the high-pitched gong to count the number of minutes that have passed since the last quarter-hour.

At 12:59, for instance, the melody consists of 12 low sounds, 3 double high/low sounds, and 14 high sounds (totaling the maximum of 32 strikes).

## The perpetual calendar with retrograde date

The perpetual calendar features an ingenious function: a so-called retrograde date with a flyback hand that depending on the month and leap-year cycle automatically flies back to the first day of the month after the 28th, 29th, 30th, or 31st day. A spiral spring is responsible for the fast flyback of the date hand. The clever mechanism was developed by Patek Philippe in 1986 and further refined. It requires only little energy and prevents the flyback hand from bouncing forward after it

has jumped back to the first day of the month.

In leap years, the date hand first advances to February 29 and then jumps directly to March 1 the next day.

If the watch is worn or kept in a winder every day, the perpetual calendar will not need to be corrected until February 28, 2100. The year 2100 is a secular year in which the leap day is skipped according to the Gregorian calendar.

## Indications, functions, and settings



### DISPLAYS AND FUNCTIONS

- 1- YEAR (IV = LEAP YEAR)
- 2- MONTH
- 3- RETROGRADE DATE HAND
- 4- MOON-PHASE HAND
- 5- DAY OF WEEK
- 6- WINDING POSITION
- 7- HANDSETTING POSITION
- 8- SLIDE FOR ACTUATING THE STRIKING MECHANISM
- 9- SUBSIDIARY SECONDS

### CORRECTIONS

- A-** PUSH PIECES FOR DATE (3), MONTH (2) AND YEAR (1) CORRECTION  
**B-** PUSH PIECES FOR MONTH (2) AND YEAR (1) CORRECTION  
**C-** PUSH PIECE FOR MOON PHASE CORRECTIONS (4)  
**D-** PUSH PIECE FOR DAY OF WEEK CORRECTIONS (5)

### NOTE ON CORRECTING PERPETUAL CALENDAR (PUSH PIECES **A** AND **B**) AND MOON PHASE DISPLAY (PUSH PIECE **C**)

- TO PREVENT DAMAGE TO YOUR WATCH, PLEASE PERFORM ALL SETTINGS AND CORRECTIONS WITH THE CORRECTION STYLUS THAT WAS SUPPLIED WITH YOUR WATCH. ANY OTHER TOOL COULD DAMAGE YOUR WATCH.
- DATE AND MOON PHASE CORRECTIONS MUST BE MADE AT 7 AM. THIS IS THE ONLY WAY TO ASSURE THAT THE DATE CHANGE MECHANISMS ARE NOT ENGAGED AND CANNOT BE DAMAGED.
- THE SETTING SEQUENCE DESCRIBED BELOW MUST BE OBSERVED .

## Settings

### PREPARATIONS PRIOR TO SETTING



- Before performing any corrections or settings, always wind the watch (20 turns of the winding crown).
- Pull the crown out (7).
- Advance the hands clockwise until the date display (3) advances by one day.
- Set the hands to 6 am.
- Push the winding crown home again (6).
- Actuate push piece (A) until the date hand (3) points to the 1.

### SETTING THE CALENDAR DISPLAYS

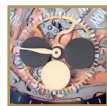


- Actuate push piece (B) as many times as needed to display the current year (1) (2021 = I ; 2022 = II ; 2023 = III ; 2024 = leap year IV) and then the month (2) with push piece (B)
- Actuate push piece (A) as many times as needed to display the current date (3)
- Actuate push piece (D) as many times as needed to display the correct day of week in aperture (5)

### SETTING THE MOON PHASE



- Actuate push piece (C) as many times as needed until the moon phase hand (4) points to the golden-plated full moon symbol.



- Consult an almanac or visit [www.patek.com](http://www.patek.com) to find out how many days have elapsed since the last full moon and actuate the correction push piece (C) that many times as the number of days (without the day of the last full moon).

## SETTING THE TIME



- Pull the crown out (7).
- Set the hands to the correct time. If you advance the hands beyond midnight, all displays of the perpetual calendar will be advanced as well.
- After having set the time, push the winding crown (6) home again.

## Minute repeater

The strike sequence of the minute repeater must be allowed to end completely before it is activated again.

**Caution:** *Never actuate the winding crown as long as the repeater is working and for 30 seconds thereafter. Doing so could cause damage to the repeating mechanism which would not be covered by the warranty.*

To activate the striking mechanism, push the slide (8) all the way up.

**Now release it completely – do not pull it down.**

Two small hammers will now strike the hours, quarter-hours, and minutes on two gongs of low and high pitch.

If the watch was set aside unwound for an extended period of time, the minute repeater might not indicate the correct time because the oil may have thickened at some points inside the mechanism. This is absolutely normal and has no negative consequences. The striking mechanism will function correctly again within one or two hours after the watch has been rewound.

## Recommendations

### WATER RESISTANCE

Although your watch is equipped with a water-resistant crown, it is not protected at all against the ingress of moisture because of the slot for the minute repeater slide.

Therefore, exercise care to ensure that liquid does not come into contact with your watch.

### SERVICE

We recommend that you have your watch serviced at least once every three to five years. For this purpose, we suggest you take it to an Authorized Patek Philippe Retailer who will send it to our Geneva manufacture, the only location authorized to service watches with minute repeaters. You can then be assured that your watch will be inspected and overhauled by a qualified master watchmaker at Patek Philippe headquarters in Geneva.

The master watchmaker will completely disassemble the movement and then inspect, clean,

and lubricate all the individual parts prior to re-assembly. All functions of the watch will also be tested in detail and the escapement regulated if necessary. Finally, its rate accuracy will be monitored and precision-adjusted for a further period of at least two weeks.

The case and the buckle will be polished as per your instructions and your watch will be returned to you in mint condition. The entire process will take several weeks because each watch must undergo a complete series of tests to fulfill the strict quality criteria of Patek Philippe.

*If you have any questions regarding the maintenance of your watch, contact the Authorized Patek Philippe Retailer nearest you or our International Customer Service department in Geneva, or visit [www.patek.com](http://www.patek.com).*

## **WINDING**

When it is on your wrist, your watch is wound automatically by your arm movements. When fully wound and off the wrist, your watch has a power reserve of at least 38 hours. If your watch stopped because you set it aside for an extended period of time, you can wind it manually with about 20 turns of the crown.

*We advise you to wind the watch before you put it on. This way, you can avoid lateral pressure on the winding stem which, in the course of the years, could damage the stem tube.*

*The same applies to handsetting. Please use your fingernails to pull the crown out and turn it gently between two fingertips.*

## **WATCH WINDER**

Your Ref. 5304 is delivered with a winder. If you decide to leave your watch unworn, place the timepiece in the case when you have adjusted the settings and manually wound the movement. The mechanism of the winding case will keep your watch running; therefore all your settings will be saved. Your watch will undergo motion and static cycles, which are defined by our Laboratory of Movement.

## **PATEK PHILIPPE SEAL**

The Patek Philippe Seal is a global emblem of quality that applies to the completed and fully cased watch. It covers the movement, the case, the dial, the hands, the pushers, the straps and bracelets, the clasps, as well as all other components that contribute to the accuracy and aesthetic appeal of a watch. It takes technical, functional, and design-related aspects into account and also covers the visual appearance of the watch, its rate accuracy and dependability, as well as the quality of the customer service to which its owner is entitled. It encompasses the entire know-how and the unique facets that govern the development, production, and long-term maintenance of an exceptional timepiece.

## Movement technical data



CALIBER:	R 27 PS QR LU
DIAMETER:	28 MM
HEIGHT:	7.23 MM
NUMBER OF PARTS:	517
NUMBER OF JEWELS:	41
WINDING ROTOR:	22K RED GOLD MINIROTOR, DECORATED
POWER RESERVE:	MIN. 38 HOURS - MAX. 48 HOURS
BALANCE:	GYROMAX®
FREQUENCY:	21,600 SEMI-OSCILLATIONS PER HOUR (3 HZ)
BALANCE SPRING:	SPIROMAX®
HALLMARK:	PATEK PHILIPPE SEAL