

# Reference 5178

Caliber R 27 PS



*Self-winding wristwatch  
with minute repeater.*

## Introduction

The self-winding Minute Repeater Reference 5178 is adorned with refined Rare Handcrafts showcased on the *flinqué* blue *Grand Feu* enamel dial. The white gold dial plate is finely hand-guilloché with a swirling pattern, before being coated with translucent enamel. The two «cathedral» gongs, twice as long as their traditional counterparts, give the minute-repeater a particularly rich and deep sound. The novelty is accompanied by two interchangeable straps – one in shiny peacock blue alligator leather; the other in shiny orange alligator leather, both secured by a white gold fold-over clasp.

## The “cathedral” gongs

The «cathedral» gong differs from classic gongs in terms of its extraordinary length. «Cathedral» gongs wrap around the movement with a length equivalent to nearly two circumferences and are thus twice as long as classic ones. The result is a rich tone with a particularly long reverberation.

## 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).

## Instructions

**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 (3) 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.

## Settings



- Before you perform any corrections or settings, wind the watch by hand until the movement restarts (about 20 clockwise turns of the crown).
- Pull the crown out (1).
- Turn the hands forward.
- Push the winding crown home again (2).

## 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 every 8 to 10 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 reassembly. 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 to 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 43 hours. If your watch stopped because you set it aside for an extended period of time, you can wind it manually until the movement restarts (about 20 clockwise 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.

#### **CHANGING THE CASE BACK**

Your watch comes with a sapphire-crystal case back and a separate interchangeable solid metal back. Only qualified master watchmakers at the Patek Philippe workshops in Geneva are authorized to exchange the backs.

#### **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
DIAMETER:	28 MM
HEIGHT:	5.05 MM
NUMBER OF PARTS:	327
NUMBER OF JEWELS:	39
POWER RESERVE:	MIN. 43 HOURS - MAX. 48 HOURS
WINDING ROTOR:	GUILLOCHED 22K GOLD MINIROTOR, UNIDIRECTIONAL WINDING
BALANCE:	GYROMAX®
FREQUENCY:	21,600 SEMI-OSCILLATIONS PER HOUR (3 HZ)
BALANCE SPRING:	SPIROMAX®
HALLMARK:	PATEK PHILIPPE SEAL