

Reference 5303

Caliber R TO 27 PS



*Manually wound wristwatch with minute repeater,
tourbillon and small seconds.
Rose gold.*

Launched in a limited edition of 12 watches as a world debut at the “Watch Art Grand Exhibition Singapore 2019”, the Ref. 5303 Minute Repeater Tourbillon has now become part of the current Patek Philippe collection with a slightly reworked design. It stands out with its open, dialless architecture that exposes the minute repeater including the action of the hammers and gongs even while the watch is on the wrist. The desire for transparency is also reflected in the tourbillon; the underside of its cage can be admired through a plate aperture at 6 o’clock. The aesthetic appeal of the manually wound caliber R TO 27 PS

was subtly reworked with the skeletonization of individual components to enhance their beauty. Of course, Patek Philippe also leveraged its entire legacy in the manual finissage of movement parts, including Geneva striping for the plate, perlage for the recesses, and circular satin finishing of the strikework hammers. The rose-gold case features a cambered and polished bezel as well as intarsias in white gold; they display arabesques and latticework on the flanks of the caseband and on the strap lugs. The slide for actuating the minute repeater in the left-hand case flank is made of white gold as well.

The tourbillon

In the course of the 18th century, watchmakers discovered that the rate deviations of their movements were, in the final analysis, caused by the tiny hairsprings which together with the balance constitute the oscillator of every timepiece. Since its center of gravity does not coincide with the geometric center of the spring, its regular breathing is negatively affected by the earth's pull in any orientation except horizontal. The tourbillon corrects this systemic "positional" error. This is done by integrating the balance and the escapement in a hinged cage that rotates about its axis once a minute. On this orbit, the slightly eccentric center of gravity of the hairspring revolves around the center of the cage every 60 seconds, so the positional error is automatically offset by progression, regardless of the orientation of the spring.

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).

Functions and settings



HANDSETTING

- Before you perform any corrections or settings, wind the watch by hand (10 turns of the winding crown, clockwise).
- Pull the crown out (1).
- Turn the hands in either direction.
- Push the winding crown home again (2).

Instructions

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 on the first try. This may happen if the oil is not evenly distributed but has no negative consequences. The striking mechanism will function correctly if you activate it two or three times in a row.

Caution:

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

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.

WINDING

When fully wound, your wristwatch has a power reserve of at least 40 hours. We recommend that you wind your watch at about the same time every day. 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.

Care and maintenance

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.

A qualified 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 buckle will be polished as per your instructions and your watch will be returned to you in mint condition. The entire process may 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.

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 TO 27 PS
TOURBILLON:	ONE REVOLUTION PER MINUTE
DIAMETER:	31.6 MM
HEIGHT:	8.35 MM
NUMBER OF PARTS:	356
NUMBER OF JEWELS:	29
POWER RESERVE:	MIN. 40 HOURS - MAX. 48 HOURS
BALANCE:	GYROMAX®
FREQUENCY:	21,600 SEMI-OSCILLATIONS PER HOUR (3 HZ)
BALANCE SPRING:	BREGUET
HALLMARK :	PATEK PHILIPPE SEAL