

The watch on your wrist is a miracle.

Wait. It can do what?

DING. DONG.

A minute repeater rings out the time.
Tiny hammers strike tiny gongs. Hours.
Quarters. Minutes. All inside a
wristwatch. [1]



8 YEARS

Audemars Piguet developed Supersonnerie with EPFL and experts including musicians. [2]

691,200

beats in one day

At 8 beats per second. [3]

8 DAYS

from a full wind

IWC caliber 59215. [3]

217

movement components

Inside IWC caliber 59215. [3]

And that is only the beginning.

Follow the Moon. Keep up with leap years. Time a finish. Watch a tourbillon turn. Discover the remarkable things mechanical watches can do.

We love watches. We love serving you.

We collect your watch, arrange its care through our in-house repair center,
and return it to you.



The watch on your wrist is a miracle.

A tiny machine. So much happening.

252,288,000

BEATS. ONE YEAR. ONE TINY BALANCE.

At 8 beats a second, the balance makes more than a quarter-billion beats in 365 days of continuous running. [3]

DING. DONG.

Some watches let you hear the time. A minute repeater uses miniature hammers and gongs. [1]

8 YEARS

Audemars Piguet developed Supersonnerie with EPFL and experts including musicians. [2]

8 DAYS

Of running time from a full wind. IWC caliber 59215 contains 217 components. [3]

1,140 PARTS

Inside caliber 1000, which powers the Audemars Piguet Universelle RD#4 with its 40 functions. [2]

Calendars. Moon phases. World time. Chimes. There is a whole world to discover.

All that motion. All those memories.

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The watch on your wrist is a miracle.

First it tells the time. Then your story.



IT CAN CHIME.

Tiny hammers and gongs ring out the time in a minute repeater. [1]

IT CAN REMEMBER.

A perpetual calendar tracks month lengths and leap years. [4]

IT KEEPS MOVING.

Over a quarter-billion beats in 365 days of continuous running at 8 beats per second. [3]

A wedding. A fresh start. Someone you love. With care and servicing, a mechanical watch can carry its story across generations.

Your story. Our care. At your door.

We collect your watch, arrange its care through our in-house repair center, and return it to you.



Wait, there is more.

18 ways to look closer at mechanical watches. Explore their features, engineering, and craftsmanship. Tap a topic for a watchmaker's explanation.

01 Manual / automatic winding

Manual winding uses the crown.
Automatic winding uses wrist movement.

02 Power reserve

How long a fully wound watch can run
without further winding.

03 Water resistance

Resistance depends on model and
condition. Follow the maker's guidance
for water use.

04 Magnetic resistance

Materials and design help resist magnetic
fields within rated limits.

05 Date / day-date

Shows the date, sometimes with the day
of the week.

06 Elapsed-time bezel

Line up a rotating scale to follow passing
minutes.

07 Power-reserve indicator

A display of the watch's remaining
running time.

08 Chronometer

A watch certified for accuracy through
formal testing.

09 GMT

Keep a second time zone right there on
your wrist.

10 Moon phase

A miniature display follows the changing
phase of the Moon.

11 Chronograph

Start, stop and read elapsed time with a
built-in stopwatch.

12 World time

Read the time across multiple world time
zones.

13 Annual calendar

Distinguishes 30- and 31-day months. It
needs correction after February.

14 Flyback chronograph

Reset and restart active timing in a single
operation.

15 Perpetual calendar

Tracks month lengths and leap years.
Most need correction in 2100.

16 Split-seconds / rattrapante

Pause one timing hand while the other
keeps going, then let it catch up.

17 Tourbillon

A rotating cage carries the balance and
escapement to reduce certain positional
errors.

18 Minute repeater

On demand, hammers strike gongs to
sound hours, quarters and minutes.

From early watches to outer space.

A dated watch survives from 1530. Breguet delivered a wristwatch in 1812. NASA-tested mechanical chronographs accompanied Apollo astronauts. [5-7]

8 beats/second = 691,200/day = 252,288,000 per 365-day year of continuous running. A beat is a half-cycle. Rates vary. The 8-day reserve and 217 components refer to IWC caliber 59215. [3]

[1] Patek Philippe: chiming watches

[2] Audemars Piguet: RD research

[3] IWC: caliber 59215 specifications

[4] Patek Philippe: calendar watches

[5] Walters Art Museum: watch dated 1530

[6] Breguet: the 1812 wristwatch

[7] Smithsonian: Apollo 13 chronograph

Keep your curiosity ticking.

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An oil can. For a watch?



Oil? Inside a watch? **Absolutely.**

Some watches have a surprising secret under the glass. Clear oil changes how light travels through the display. The dial can look almost close enough to touch.

These watches are designed around the liquid from the start.

Oil upstairs. Clockwork downstairs.

Ressence TYPE 3: Oil surrounds the display. The mechanical movement stays dry below. Tiny magnets carry motion between the two chambers.

A clearer view below the surface.

Sinn U50 HYDRO: The quartz movement, dial and hands sit in oil. This helps keep the dial visible at an angle underwater.

REAL WATCHES TO EXPLORE

Ressence TYPE 3 Black ↗

Ressence TYPE 5 Night Blue - diving design ↗

Sinn U50 HYDRO - quartz diving watch ↗

U-BOAT Darkmoon 44 mm Red Glass SS - ref. 8465/B ↗

A little wonder. A closer look.

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