

CRAFTSMANSHIP  
MADE IN SCHAFFHAUSEN

# COLLECTION 2016/2017



TO FIND OUT MORE ABOUT THE IWC AUGMENTED EXPERIENCE,  
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2016/2017



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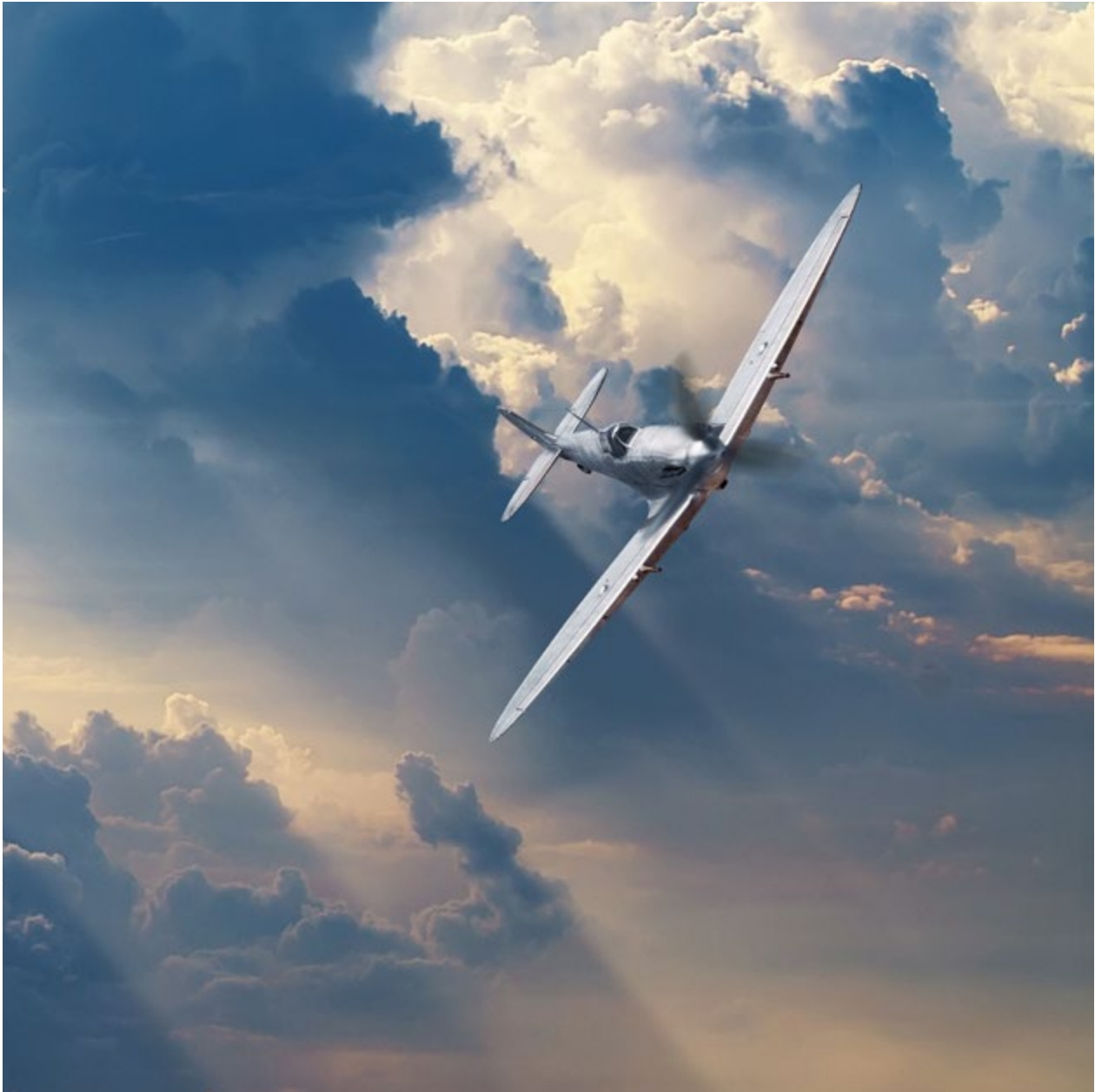
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PILOT'S WATCHES

— EDITORIAL —

# A NEW AND RICH DIVERSITY

————— In 1936, IWC presented its first Special Pilot's Watch. It was followed four years later by the Big Pilot's Watch, which was to become the epitome of the observer's watch. In 1948, the Schaffhausen-based watch manufacturer supplied the Mark 11 to the Royal Air Force, where it remained in service for almost 40 years. With their clear-cut design, outstanding technology and innovative materials, these three iconic watches have influenced the appearance of classic pilot's watches to this day.

In 2016, we are extending the range of small and affordable timepieces without neglecting the – literally – enormous heritage of the more voluminous Pilot's Watches. In the entry-level segment, the stylish Mark XVIII and the small Pilot's Watch Automatic 36 address women and men who favour a slightly smaller timepiece and value elegance and understatement. At the other end of the scale, we preserve our heritage with voluminous and authentic observer's watches such as the Big Pilot's Heritage

Watch 55 and 48, both of which were largely inspired by the Big Pilot's Watch of 1940. The exclusive "Antoine de Saint Exupéry" and "Le Petit Prince" collections have original, eye-catching features such as the specially designed annual calendar.

With polished bezels, Santoni calfskin straps, Santoni alligator leather straps, partly polished stainless-steel bracelets and the twin-coloured textile straps, the new collection is now even more attractive. The rustic, embossed calfskin straps ensure that the TOP GUN models have all the flair and appeal of a true sports watch. And the fact that we have been able to integrate a soft-iron inner case for protection against magnetic fields in most of our pilot's watches cannot be taken for granted. Which makes it even more pleasing.

Discover the fascinating new products in the 2016 IWC watch collection. We hope you enjoy reading our new Annual Edition.

YOURS, IWC SCHAFFHAUSEN

— SINCE 1936 —

# PILOT'S WATCHES



IN 1940, IWC DEVELOPED THE 52-CALIBRE T. S. C. BIG PILOT'S  
WATCH WITH A CENTRAL SECONDS HAND



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The first Special Pilot's Watch left the IWC factory in 1936. It was the start of a special relationship between IWC Schaffhausen and flying. Just four years later came the 52-calibre T.S.C. Big Pilot's Watch, the first observer's watch with a case measuring 55 millimetres in diameter. With its instrument-inspired appearance, it rapidly became a style icon and a model for all classic pilot's watches. Its design was to provide IWC with the inspiration for the Mark 11, produced from 1948 onwards. This, the best known of the Pilot's Watches from the Schaffhausen-based manufacturer, was originally built for the Royal Air Force and has been in constant use for more than 30 years. Since 1988, the IWC Pilot's Watch tradition has gone from strength to strength. In 2003, IWC launched the first Pilot's Watch series named after the legendary British aircraft, the Spitfire.

Since 2006, IWC has unveiled a series of Pilot's Watch special editions in honour of the outstanding books and life's work of the French author and pilot Antoine de Saint-Exupéry. His fiction addresses universal values such as friendship and humanity, and his best-known work, "The Little Prince", has ensured his immortality.

In 2007, for the first time ever, a watch bearing the name TOP GUN joined the IWC Pilot's Watch squadron. In 2012, IWC's year of the Pilot's Watches, the TOP GUN collection established itself as an independent line in the Pilot's Watch family. For the first time ever, it included the Miramar models with their authentic military design.

In 2016, watch lovers all over the world can look forward to a wide range of IWC Pilot's Watches that seem set to create a future with innovative designs, sophisticated complications and top-quality materials. With their imposing case diameters and authentic appearance, the Big Pilot's Heritage Watch 55 and 48 resemble the historic original, the Big Pilot's Watch Calibre 52 T.S.C. of 1940, almost down to the last detail.

## THE BEST KNOWN OF THE PILOT'S WATCHES FROM THE SCHAFFHAUSEN-BASED MANUFACTURER WAS ORIGINALLY BUILT FOR THE ROYAL AIR FORCE

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The special editions, "Antoine de Saint Exupéry" and "Le Petit Prince", with tobacco brown and blue dials, respectively, pay tribute to the extraordinary life's work of this great humanist.

The Mark-XVIII models celebrate a resounding comeback and add fresh variety and vitality to the Pilot's Watch family.

The classic Pilot's Watches revert to something more closely resembling the historic original. The same applies to the TOP GUN models, which come with a surprise element in the form of the new, embossed calfskin straps. The Pilot's Watch Automatic 36 is the smallest model in the company's current line-up and was designed for anyone who prefers a slightly smaller and more discreet wristwatch.

With the launch of new leather straps and stainless-steel bracelets, IWC addresses watch lovers with a penchant for rugged, top-quality wristbands. Firstly, we have the elegant calfskin and alligator leather straps from Italian leather manufacturer Santoni, which are produced exclusively for IWC. Likewise new to the range for the Miramar are straps made of embossed calfskin that are reminiscent of the green textile strap produced in nylon. The luxurious stainless-steel bracelets are available in two versions. In one, the links are entirely satin-finished; in the other, two rows of links are polished and three satin-finished, adding to the bracelet's attraction. The Pilot's Watches Chronograph and Pilot's Watches Mark XVIII are also available with twin-coloured textile straps inspired by historic Nato straps.

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## PRECISELY ON COURSE

————— For 75 years the historic 52-calibre T.S.C. Big Pilot's Watch was the largest wristwatch ever built in Schaffhausen. Now, IWC Schaffhausen is launching the Big Pilot's Heritage Watch 55 with a case measuring a massive 55 millimetres in diameter. At less than 150 grams, the titanium case is not quite as heavy as the original stainless-steel version, which weighed 183 grams. As in the original model, the chapter ring, Arabic numerals and propeller-like hands are all beige in colour. The movement is protected against magnetic fields by a soft-iron inner case. The hand-wound mechanism has a friction clutch to prevent overwinding. The in-house IWC hand-wound 98300 calibre runs for a full 46 hours. The brown calfskin strap is divided into two sections that are sewn together at the ends. This means the watch cannot fall down

accidentally as it is fastened on the owner's wrist. Available in a limited edition of just 100 watches, it will appeal primarily to collectors and lovers of authentic pilot's watches. The Big Pilot's Heritage Watch 48 makes slightly more concessions to current expectations as regards design and practicality. Thanks to the use of lightweight titanium, the 48-millimetre case weighs in at 120 grams and is ideal for everyday wear. The designers also decided to retain the small seconds hand in the subdial. The in-house IWC hand-wound 59215 calibre has an 8-day power reserve. Despite an aperture in the back of the watch for the power reserve display, the soft-iron inner case giving protection against magnetic fields is retained. This watch is available in a limited edition of 1,000.





# BIG PILOT'S HERITAGE WATCH 55

REFERENCE 5104



**REF. IW510401**  
in titanium with brown  
calfskin strap

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Limited edition of 100 watches · Mechanical movement · Hand-wound · IWC-manufactured 98300 calibre (98000-calibre family) · 46-hour power reserve when fully wound · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 13.5 mm · Diameter 55 mm

PILOT'S WATCHES



# BIG PILOT'S HERITAGE WATCH 48

REFERENCE 5103



**REF. IW510301**

in titanium with brown  
calfskin strap

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Limited edition of 1,000 watches · Mechanical movement · Hand-wound · IWC-manufactured 59215 calibre (59000-calibre family) · 8-day power reserve when fully wound · Power reserve display · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Breguet spring · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Sapphire-glass back · Water-resistant 6 bar · Case height 14.5 mm · Diameter 48 mm

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## THE WORLD LITERATURE WATCH

————— For the world-famous poet and author of “The Little Prince”, Antoine de Saint-Exupéry, poetry and technology, writing and flying were two sides of the same coin. Now the Pilot’s Watch Annual Calendar Edition “Le Petit Prince” brings these two worlds together. On the front side of the watch, the annual calendar displays the month, the date and the day of the week in three separate windows. Its advance mechanism automatically takes the length of individual months into account, but not the two differing lengths of the month of February or the leap years. Once a year, therefore, at the end of February,

it requires manual correction via the crown. The reverse side shows the little prince staring in amazement at the sky. He stands on a tiny planet, which in its entirety forms the rotor and revolves eccentrically around its axis. The prince and his planet are made of solid red gold. The elegant special edition will be restricted to just 250 watches in 18-carat red gold. Thanks to power from two barrels, the IWC-manufactured 52850 calibre supplies the higher torque necessary to drive the three display discs in the annual calendar. The barrels also provide sufficient energy to keep the watch running for a week when fully wound.







# BIG PILOT'S WATCH ANNUAL CALENDAR EDITION "LE PETIT PRINCE"

REFERENCE 5027



REF. IW502701

in 18-carat red gold with brown  
calfskin strap

Limited edition of 250 watches · Mechanical movement · Pellaton automatic winding · IWC-manufactured 52850 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Annual calendar with displays for the month, date and day · Small hacking seconds · Glucydur®\* beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor in 18-carat gold · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · See-through sapphire-glass back · Water-resistant 6 bar · Case height 15.5 mm · Diameter 46 mm · Calfskin strap by Santoni

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## BLUE FOR THE LITTLE PRINCE

For three years now, IWC has returned to the theme of Saint-Exupéry's little prince with special editions. In 2016, there will be four Pilot's Watches featuring the typical midnight blue dial and brown calfskin strap with beige-coloured ornamental seams. A soft-iron inner case provides the stainless-steel outer cases with optimum protection against the external effects of magnetic fields. All the Pilot's Watches, apart from the Double Chronograph launched in 2015, have an engraving on the back showing the little prince with his coat and sword. The 46-millimetre Big Pilot's Watch Edition "Le Petit Prince" has an IWC-manufactured 51111-calibre movement that supplies

an impressive 7-day power reserve. The Pilot's Watch Double Chronograph Edition "Le Petit Prince", which was launched in 2015, has a captivatingly innovative day display in the shape of a star. Every day, one of the seven stars on the inner circle of the dial is illuminated in gold to symbolize the visit of the little prince to another planet. The same stars are engraved as a decorative feature on the case back and reveal the name of the inhabitant with whom the little prince is currently staying. The Pilot's Watch Mark XVIII Edition "Le Petit Prince" is powered by the 30110-calibre automatic movement and, in terms of precision, fully meets the requirements of a professional pilot's watch.



# BIG PILOT'S WATCH EDITION "LE PETIT PRINCE"

REFERENCE 5009



**REF. IW500916**

in stainless steel with brown  
calfskin strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 51111 calibre (50000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Date display · Central hacking seconds · Glucydur® beryllium alloy balance with high-precision adjustment cam on balance arms · Breguet spring · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 16 mm · Diameter 46 mm · Calfskin strap by Santoni

PILOT'S WATCHES



# PILOT'S WATCH DOUBLE CHRONOGRAPH EDITION "LE PETIT PRINCE"

REFERENCE 3718



**REF. IW 3718 07**

in stainless steel with brown  
calfskin strap

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Limited edition of 1,000 watches · Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Date display · Day display indicated by a jumping star · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Split-seconds hand for intermediate timing · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 17 mm · Diameter 44 mm

# PILOT'S WATCH CHRONOGRAPH EDITION "LE PETIT PRINCE"

REFERENCE 3777



**REF. IW377714**

in stainless steel with brown  
calfskin strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 15 mm · Diameter 43 mm · Calfskin strap by Santoni

PILOT'S WATCHES

## PILOT'S WATCH MARK XVIII EDITION "LE PETIT PRINCE"

REFERENCE 3270



**REF. IW 3270 04**  
in stainless steel with brown  
calfskin strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds ·  
Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex,  
antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back  
engraving · Water-resistant 6 bar · Case height 11 mm · Diameter 40 mm · Calfskin strap by Santoni



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## A TOBACCO BROWN DIAL FOR “SAINT-EX”

————— The Big Pilot's Watch Perpetual Calendar Edition “Antoine de Saint Exupéry” and the Pilot's Watch Double Chronograph Edition “Antoine de Saint Exupéry” both feature the same tobacco brown dials and brown calfskin straps with creamy white ornamental seams. In this way, they pay tribute to the extraordinary life's work of this great humanist. Part of the proceeds from sales will go to the Antoine de Saint-Exupéry Youth Foundation. The perpetual calendar displays not only the cycles of the moon but also the seconds, minutes, hours, date, day, month and year in four digits. Until 2100, the differing lengths of the months and even the leap days in the Gre-

gorian calendar are all factored in without the need for a correction. Powered by two barrels, the IWC-manufactured 52610 calibre has a 7-day power reserve and supports nine functions and displays. The rotor is made of solid 18-carat red gold. To the right, an engraving stating ONE OUT OF 750 indicates the special edition. The Double Chronograph in an edition of 1,000 features a split-seconds hand that permits the precise recording of two different times within a given minute. With its soft-iron inner case for protection against magnetic fields and sapphire glass secured against sudden falls in pressure, the watch has all the credentials of a watch designed for flying.



# BIG PILOT'S WATCH PERPETUAL CALENDAR EDITION "ANTOINE DE SAINT EXUPÉRY"

REFERENCE 5038



**REF. IW503801**

in stainless steel with brown  
calfskin strap

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Limited edition of 750 watches · Mechanical movement · Pellaton automatic winding · IWC-manufactured 52610 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Perpetual calendar with displays for the date, day, month, year in four digits and perpetual moon phase · Small hacking seconds · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor in 18-carat red gold · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · See-through sapphire-glass back · Water-resistant 6 bar · Case height 15.5 mm · Diameter 46 mm · Calfskin strap by Santoni

PILOT'S WATCHES

# PILOT'S WATCH DOUBLE CHRONOGRAPH EDITION "ANTOINE DE SAINT EXUPÉRY"

REFERENCE 3718



**REF. IW 3718 08**

in stainless steel with brown  
calfskin strap

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Limited edition of 1,000 watches · Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Split-seconds hand for intermediate timing · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 17 mm · Diameter 44 mm · Calfskin strap by Santoni





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## ELEGANT AND A TECHNICAL MASTER STROKE – LIKE A SPITFIRE

————— The Spitfire was a single-engine fighter aircraft commissioned by the Royal Air Force. In the 1930s and 1940s, it was a piece of aerodynamic wizardry with outstanding performance. Since 2003 at IWC, the name Spitfire has also been synonymous with a Pilot's Watch line that, in terms of elegance and technical expertise, is in a class of its own. This year, the Pilot's Watch Perpetual Calendar Digital Date-Month Spitfire remains almost unchanged with its slate-coloured dial and stainless-steel case. The large number of displays and complications underscores the watch's outstanding horological qualities. The digital date and month indicators are displayed in large numerals. This is made possible by a complicated, powerful mechanism which, at the end of the month, synchronously advances

up to four displays and, at the end of the year, the leap year display disc as well. This watch, as well as the Big Pilot's Watch Spitfire in red gold, is supplied with the new brown calfskin strap from Santoni. The rugged leather goes perfectly with a Pilot's Watch. The Pilot's Watch Chronograph Spitfire was designed as a sports watch for everyday use. The bezel of the stainless-steel case is polished to a mirror finish, as are two rows of links in the stainless-steel bracelet, giving the watch a special quality feel. This is underscored by the slatecoloured dial with its metallic finish, which matches the grey fuselage of its namesake, the Spitfire. A soft-iron inner case protects the precision movement against magnetic fields and the glass is secured against sudden drops in pressure.

## PILOT'S WATCH PERPETUAL CALENDAR DIGITAL DATE-MONTH SPITFIRE

REFERENCE 3791



**REF. IW 379108**

in stainless steel with brown  
calfskin strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89801 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Perpetual calendar · Large double-digit displays for both the date and month · Leap year display · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · See-through sapphire-glass back · Water-resistant 6 bar · Case height 17.5 mm · Diameter 46 mm · Calfskin strap by Santoni

PILOT'S WATCHES



# BIG PILOT'S WATCH SPITFIRE

REFERENCE 5009



**REF. IW500917**  
in 18-carat red gold with  
brown calfskin strap

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Mechanical chronograph movement · Pellaton automatic winding · IWC-manufactured 51111 calibre (50000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Date display · Central hacking seconds · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 16 mm · Diameter 46 mm · Calfskin strap by Santoni

## PILOT'S WATCH CHRONOGRAPH SPITFIRE

REFERENCE 3777



**REF. IW 377719**

in stainless steel with  
stainless-steel bracelet

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Date and day display · Stopwatch function with minutes and seconds · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 15 mm · Diameter 43 mm

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## AN HOMAGE TO THE STRIKE FIGHTER TACTICS INSTRUCTOR

————— With their black, cockpit-style design and attractive mix of materials, the TOP GUN watches have carved out a name for themselves. The Top Gun logo on the reverse side is now engraved on the case back and is considerably more understated than the colour imprint. It is likewise impossible to imagine the Pilot's Watch squadron without the military-look TOP GUN Miramar line, whose dial design was inspired by historic observer's watches. Both watch lines are now supplied with an embossed black or green calfskin strap. In the case of the Big Pilot's Watch Perpetual Calendar TOP GUN, the embossed calfskin strap is the only significant modification over last year's model. The case diameter of the Big Pilot's Watch TOP GUN models is now reduced by

two millimetres and there have been slight modifications to the dial design. In the case of the Pilot's Watch Chronograph TOP GUN and the Pilot's Watch Chronograph TOP GUN Miramar, the ceramic case has been reduced to 44 millimetres. The designers have made the dial easier to read with the addition of a simplified date display. The analogue display of stop times between one minute and 12 hours is now found at "12 o'clock" in a totalizer that can be read like the time of day. Times under a minute are recorded by the central seconds stop hand. The new Pilot's Watch Mark XVIII TOP GUN Miramar has a case measuring only 41 millimetres in diameter and is powered by the automatic 30110-calibre movement.





# BIG PILOT'S WATCH PERPETUAL CALENDAR TOP GUN

REFERENCE 5029



**REF. IW502902**  
in ceramic with black  
calfskin strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 51614 calibre (50000-calibre family) ·  
7-day power reserve when fully wound · Power reserve display · Perpetual calendar with displays for  
the date, day and month · Perpetual moon phase display · Double moon phases for the northern and southern hemispheres ·  
Small hacking seconds · Glucydur® beryllium alloy balance with high-precision adjustment cam on balance  
arms · Breguet spring · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured  
against displacement by drop in air pressure · Water-resistant 6 bar · Case height 16 mm · Diameter 48 mm





# BIG PILOT'S WATCH TOP GUN

REFERENCE 5020



**REF. IW502001**  
in ceramic with black  
calfskin strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 51111 calibre (50000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Date display · Central hacking seconds · Glucydur® beryllium alloy balance with high-precision adjustment cam on balance arms · Breguet spring · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 15 mm · Diameter 46 mm

PILOT'S WATCHES

## PILOT'S WATCH CHRONOGRAPH TOP GUN

REFERENCE 3890



**REF. IW389001**  
in ceramic with black  
calfskin strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at "12 o'clock" · Flyback function · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 15.5 mm · Diameter 44 mm

# PILOT'S WATCH CHRONOGRAPH TOP GUN MIRAMAR

REFERENCE 3890



**REF. IW389002**  
in ceramic with green  
calfskin strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at "12 o'clock" · Flyback function · Small hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 15.5 mm · Diameter 44 mm

PILOT'S WATCH MARK XVIII  
TOP GUN MIRAMAR

REFERENCE 3247



REF. IW 3247 02  
in ceramic with green  
calfskin strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 11 mm · Diameter 41 mm

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## THE THING WITH THE CITY RING

————— The Pilot's Watch Time-zoner Chronograph is the first mechanical watch that permits a new time zone to be set with a single rotation. Simply press the bezel down, turn to the desired time zone and release: the hour hand, 24-hour day/night display and date move automatically in sync. The countries with daylight saving time are identified on the rotating bezel by a small "s". To create the mechanism IWC's engineers brought together three technologies: firstly, the city ring found on the Pilot's Watch World-timer, on which the name of each city stands for one of the international time zones. Next up is the spring-mounted rotating ring, first used in the Porsche Design Ocean 2000 from

the 1980s. It can be moved only if pressure is applied simultaneously on two diametrically opposite sides, thus preventing accidental re-setting of the time zone. And thirdly, we have the external/internal rotating bezel taken from the new Aquatimer generation. This transmits the movement via a differential gear to the hour wheel, 24-hour hand and date advance wheel. If, for example, you wish to know whether you are calling your business partner during office hours or at night, quickly turn the relevant city (i.e. time zone) to the top of the dial. The same principle applies to air travellers or pilots. Every time they change time zones, they can have the watch show them the local time and then revert to the time back home.





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8 18 4  
7 16 5  
60  
IWC  
SCHAFFHAUSEN  
14 20 30

# PILOT'S WATCH TIMEZONER CHRONOGRAPH

REFERENCE 3950



**REF. IW395001**  
in stainless steel with black  
calfskin strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89760 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display · 24-hour display for Worldtimer function · Hour and minute counters combined in a totalizer at "12 o'clock" · Small hacking seconds · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 16.5 mm · Diameter 45 mm



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## THE HOUR OF THE CLASSICS

————— In the case of its Big Pilot's Watch, the company has taken a step back to the roots of the original. The triangular index is once again positioned below the chapter ring, while the numerals appear slightly bolder and the five-minute indices a little slimmer. Overall, the dial now appears more harmonious and looks uncannily like the original 1940 model. The Pilot's Watch Chronograph has reverted to a single date with day display in place of the triple date. In the interests of legibility, the five-minute numerals on

the outer edge of the chapter ring have likewise been abandoned. The Pilot's Watch Chronograph is supplied with a black calfskin strap or an elegant satin-finished stainless-steel bracelet. In the Pilot's Watch Mark XVIII, we find two new models in stainless steel that have one feature in common: a reduction to the essentials. Unlike the previous version, the Mark XVII, the new models no longer have a triple date display and have been reduced by one millimetre to 40.





IWC  
SCHAFFHAUSEN

MARK XVIII  
AUTOMATIC

SWISS  
MADE

# BIG PILOT'S WATCH

REFERENCE 5009



**REF. IW500912**

in stainless steel with black  
calfskin strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 51111 calibre (50000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Date display · Central hacking seconds · Glucydur® beryllium alloy balance with high-precision adjustment cam on balance arms · Breguet spring · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Special back engraving · Water-resistant 6 bar · Case height 16 mm · Diameter 46 mm · Calfskin strap by Santoni

PILOT'S WATCHES





# PILOT'S WATCH CHRONOGRAPH

REFERENCE 3777



**REF. IW377710**  
in stainless steel with  
stainless-steel bracelet



**REF. IW377709**  
in stainless steel with black  
calfskin strap



**BACK VIEW**  
for both References  
(illustrated is the IW377709)

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Date and day display ·  
Stopwatch function with hours, minutes and seconds · Small hacking seconds · Soft-iron inner  
case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating  
on both sides · Glass secured against displacement by drop in air pressure · Special back  
engraving · Water-resistant 6 bar · Case height 15 mm · Diameter 43 mm · Calfskin strap by Santoni





## PILOT'S WATCH MARK XVIII

REFERENCE 3270



**REF. IW327011**  
in stainless steel with  
stainless-steel bracelet



**REF. IW327001**  
in stainless steel with black  
calfskin strap



**REF. IW327002**  
in stainless steel with black  
calfskin strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds ·  
Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex,  
antireflective coating on both sides · Secured against displacement by drop in air pressure · Special back engraving ·  
Water-resistant 6 bar · Case height 11 mm · Diameter 40 mm · Calfskin strap by Santoni





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## SMALL, FINE, DISCREET

————— The Pilot's Watch Automatic 36 is intended for watch lovers with a slightly slimmer wrist and a penchant for understatement with timeless design. The dial of the elegant three-hand watch is decidedly reduced and uncluttered. A conspicuous feature of the new Pilot's Watches is a discreetly recessed inner circle, which lends the dial a more structured, three-dimensional appearance. The Pilot's Watch Automatic 36 with its slate-coloured dial is supplied with a dark brown Santoni alligator leather strap or a stainless-steel bracelet. The stainless-steel bracelet is made up of alternating satin-finished and polished links. Combined with the partially pol-

ished case, the result is dazzlingly beautiful. The Pilot's Watch Automatic 36 with its silver-plated dial and black printed numerals is available either with a grey alligator leather strap from Santoni or a stainless-steel bracelet with satin-finished and polished links. The model with a blue dial comes with a matching blue alligator leather strap from Santoni. Although its sporting qualities are not a priority, the watch is water-resistant to 6 bar and eminently suitable for flying. IWC has enclosed the movement in a soft-iron inner case to increase protection against magnetic fields. The mechanical 35111-calibre automatic movement has a 42-hour power reserve.

## PILOT'S WATCH AUTOMATIC 36

REFERENCE 3240



**REF. IW324002**  
in stainless steel with  
stainless-steel bracelet



**REF. IW324001**  
in stainless steel with dark brown  
alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds ·  
Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex,  
antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant  
6 bar · Case height 10.5 mm · Diameter 36 mm · Alligator leather strap by Santoni

PILOT'S WATCHES



# PILOT'S WATCH AUTOMATIC 36

REFERENCE 3240



**REF. IW 324006**  
in stainless steel with  
stainless-steel bracelet



**REF. IW 324007**  
in stainless steel with grey  
alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 10.5 mm · Diameter 36 mm · Alligator leather strap by Santoni



## PILOT'S WATCH AUTOMATIC 36

REFERENCE 3240



**REF. IW 324008**

in stainless steel with blue  
alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds · Soft-iron inner case for protection against magnetic fields · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Glass secured against displacement by drop in air pressure · Water-resistant 6 bar · Case height 10.5 mm · Diameter 36 mm · Alligator leather strap by Santoni





— SINCE 2011 —

# PORTUGIESE SIDÉRALE SCAFUSIA



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The Portugieser Sidérale Scafusia is the most exclusive and complicated mechanical watch ever made by IWC. It took the project team at IWC Schaffhausen 10 years to develop and build this spectacular masterpiece. The dial, in the style of a classic Portugieser, features a constant-force tourbillon together with displays for the 96-hour power reserve and sider-eal time. This deviates from normal solar time by just under 4 minutes each day and, among other things, is needed if we wish to find the same star each night in the same position. The reverse side of the Portugieser Sidérale Scafusia is a fabulous astronomical module calculated precisely to reflect the owner's wishes. From a previously defined location, the rotating night sky disc shows more than 500 stars and constellations with such detail and precision that it would make any astronomer leap for joy. Making the necessary allowances for summer time and winter time, the watch also displays the times of sunrise and sunset, sider-eal time and a perpetual calendar with the leap years.

The patented constant-force tourbillon is the beating heart of the watch. In mechanical wristwatches, the driving force transmitted to the escapement varies constantly because there is more tension in the mainspring when it is fully wound than when it begins to run down. Represented graphically, the force exerted by the spring in a conventional hand-wound movement is seen to decline continuously. For the Portugieser Sidérale Scafusia IWC has integrated a constant-force mechanism into a tourbillon. The tourbillon revolves around its own axis once every 60 seconds. It was originally invented to offset the influence of gravity on a positional error in the balance and to eliminate the resulting inaccuracy in the watch's rate. In the constant-force tourbillon, the engineers have elegantly combined two complications that serve to increase timekeeping precision.

This sophisticated mechanism ensures that the amplitude of the balance, and thus the watch's rate, remain absolutely constant. It does so firstly by disconnecting the escapement from the direct flow of energy running through the wheel train. The energy is stored temporarily in a balance spring and dispensed to the escape wheel. In the process, the tension in the spring is increased once a second and the seconds hand in the tourbillon advances in one-second steps. After approximately 2 days, the movement switches from constant-force mode to normal mode,

## THE CONSTANT-FORCE TOURBILLON: MORE REGULAR THAN A WATCH MOVEMENT

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as indicated by the one-fifth-of-a-second movements in the seconds hand. The constant-force mechanism thus guarantees an extremely even and precise rate over a period of at least 48 hours. In view of the enormous amount of work involved and the more than 200 individual configurations possible, only a few watches are produced each year.



The constant-force tourbillon



## CUSTOMIZATION: DIFFERENT WAYS TO ACHIEVE AN UNMISTAKABLE MASTERPIECE

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— An extraordinary timepiece like the Portugieser Sidérale Scafusia calls for out-of-the-ordinary materials. The case, for example, is made of precious metals like platinum, 18-carat white gold or 18-carat red gold. The straps are crafted from the finest alligator leather or horsehide. The alligator leather straps manufactured by Italian luxury brand Santoni are famed for their unmistakable appearance. Elaborately finished by hand, every strap from Santoni has an exquisite patina-like shimmer with its own individual nuances of colour.



Only specially selected materials are good enough  
for the Portugieser Sidérale Scafusia

For watch manufacturer IWC Schaffhausen, it goes without saying that customers can choose from many different combinations of features to personalize their Portugieser Sidérale Scafusia and make it unique. The case materials alone, together with the five different colours for the dial, the various colours for the appliquéd elements and strap, and the material chosen for the strap result in over 200 different possible combinations.

Our specialists are delighted to show interested customers the unique combinations of materials, colours and features possible with the watch. With the help of samples and by putting the individual components together, customers are able to gain an impression of the look and feel of the high-quality, exquisitely finished materials. The Portugieser Sidérale Scafusia has a night sky disc that reveals the full glory of the star-studded heavens. Realistically, it is possible to show around 500 to 1,000 stars, with each dot representing a real, existing star. The meticulously plotted constellations make it easier to get one's bearings. A precise location chosen by the customer provides the basis of the calculations for the celestial chart and astronomical displays. The sky disc rotates in a clockwise or anticlockwise direction, depending on whether the chosen geographic location is in the southern or northern hemisphere. The horizon, identifiable as a yellow ellipse, shows the movements of the stars and the section of the sky currently visible in the real night sky above the chosen coordinates. These coordinates – the ones in the illustration show the headquarters of IWC Schaffhausen – indicate the precise location, accurate to the metre, for which the planisphere has been calculated. They may be indicated in terms of longitude and latitude, but also as GPS data or the name of a town or place. If the customer so wishes, the celestial chart can be made even more personal: by emphasizing certain stars or constellations, for example.







# PORTUGIESEER SIDÉRALE SCAFUSIA

REFERENCE 5041



**REF. IW504101**

in platinum with black  
alligator leather strap

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Case in platinum, 18-carat white gold or 18-carat red gold · Mechanical movement · Hand-wound · IWC-manufactured 94900 calibre (94000-calibre family) · 2 barrels · Breguet spring · 96-hour power reserve when fully wound · Power reserve display between 4 and 5 o'clock · Constant-force tourbillon and small seconds at 9 o'clock · Sidereal time at 12 o'clock · On the reverse side: perpetual calendar with leap year display and absolute day of the year, celestial chart showing horizon, ecliptic and celestial equator, solar time, sidereal time, sunrise and sunset together with displays for day, night and twilight · Sapphire glass, convex, antireflective coating on both sides · Case height 17.5 mm · Diameter 46 mm



— SINCE 1939 —

# PORTUGIESE



THE SIZE AND CLASSIC ELEGANCE OF THE FIRST PORTUGIESE  
ENSURED IT GARNERED WIDESPREAD ATTENTION



————— In the late 1930s, two Portuguese businessmen ordered wristwatches with the precision of marine chronometers from the International Watch Co. At the time, the only way of providing the requested accuracy was with a voluminous pocket watch calibre. This was the reason why the watchmakers decided to take the 74-calibre hunter pocket watch movement, which fortunately has the crown on the right-hand side, and house it in a wristwatch case. When the first “large wristwatch” left the factory, it was technically and aesthetically way ahead of its time. Technically, because the high-quality pocket watch calibre had a larger balance that set new standards in terms of precision for wristwatches. Aesthetically, because back then popular taste demanded dainty, and wherever possible rectangular, watches in the art deco style. The eye-catching size, the purist dial and the simple round case of the pocket-watch-style wristwatch were decidedly not in keeping with contemporary ideals. By the early 1980s, only a few hundred of them had been produced. It was not until 1993 that the timepiece, now known as the Portugieser, was to celebrate a triumphant comeback.

In 1967, at the Basel watch show, IWC presented the Yacht Club Automatic (Reference 811 A/AD). At the time it was not yet part of the Portugieser family, but was still the precursor of the current Portugieser Yacht Club Chronograph. It was to become one of IWC’s bestselling watches.

To mark IWC’s 125th anniversary in 1993, the watch family was reborn. Under the name “Portugieser”, IWC produced a limited special edition. The jubilee edition (Reference 5441) established a new size for wristwatches that was to revolutionize the watch industry; it has remained highly popular all over the world to this day. In the following years, the Portugieser line continued to feature one exciting complication after another and scaled the peaks of haute horlogerie.

In 2015, IWC Schaffhausen celebrates the 75th birthday of the Portugieser watch family. Its colourful history reflects the development of the Schaffhausen-based watchmaking company into an internationally renowned luxury haute horlogerie brand.

The annual calendar complication can be found in the Portugieser of the same name. It has three separate, semicircular windows to show the month, date and day. Thanks to the Portugieser Perpetual Calendar Digital Date-Month Edition “75th Anniversary”, the Portugieser watch family also includes a model featuring a large digital display for the date and month.

Another feature that boosts the quality and value of the line is the newly developed in-house 52000-calibre family, which appears in four models. It has numerous technical improvements, which, among other things, improve its accuracy. The integration of more ceramic components has minimized wear and tear in the Pellaton automatic winding system.

The slimmer proportions of the rotor and the inset medallion permit a more generous view of the technology and movements inside the case. The design and finish of the plates and bridges are likewise more attractive. In the big complications, the rotors and medallions are made of solid 18-carat red gold. These are complemented by blued screws, for many watch connoisseurs an indispensable characteristic of an exquisite in-house movement. The interplay of red jewels, blue screws and black ceramic elements with the red gold of the rotor conveys an overall impression of quality that is in keeping with an in-house movement like this one.

Some of the models in the Portugieser collection were fitted with arched-edge sapphire glass. It makes the case appear smaller and underscores the watch’s classic elegance. The round lugs, which are shaped to match the contours of the case, ensure greater comfort even when worn on slimmer wrists. Some of the References are fitted with fine-quality alligator leather straps from Santoni.





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## ONE OF THE MOST SOPHISTICATED WATCHES IN THE WORLD

————— The Portugieser Grande Complication brings together many of watch-making's most significant achievements. These include a perpetual calendar that is mechanically programmed until 2499 (it requires just three adjustments in the non-leap years 2100, 2200 and 2300) as well as a perpetual moon phase display and a chronograph. When activated by the repeating slide, the minute repeater chimes out the precise time in harmonious tones. A total of 20 functions are made possible by the interplay of 659 individual mechanical parts. Despite its complex geometry and numerous controls, the case is water-resistant to 3 bar. The design modifications made to

the watch for its launch in 2015 have further boosted its importance in the collection. The silver-plated dial, for example, no longer bears an engraving of the globe showing longitude and latitude. As a result it looks neater and more balanced. The engraving on the back of the case takes the form of a compass rose. Santoni alligator leather straps perfectly round off the ergonomically designed lugs. The strap of the 18-carat red gold version is stitched with red gold thread while the strap of the exclusive platinum model is finished with a platinum thread. Only 250 of each model will be produced.

# PORTUGIESER GRANDE COMPLICATION

REFERENCE 3776



**REF. IW 3776 01**  
in platinum with black  
alligator leather strap

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Limited edition of 250 watches · Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Perpetual calendar with displays for the date, day, month, year in four digits and perpetual moon phase · Stopwatch function with hours, minutes and seconds · Minute repeater for hours, quarters and minutes · Small hacking seconds · Sapphire glass, arched-edge, antireflective coating on both sides · Special back engraving · Water-resistant 3 bar · Case height 16.5 mm · Diameter 45 mm · Alligator leather strap by Santoni

PORTUGIESER

# PORTUGIESER GRANDE COMPLICATION

REFERENCE 3776



**REF. IW 3776 02**

in 18-carat red gold with dark brown  
alligator leather strap

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Limited edition of 250 watches · Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Perpetual calendar with displays for the date, day, month, year in four digits and perpetual moon phase · Stopwatch function with hours, minutes and seconds · Minute repeater for hours, quarters and minutes · Small hacking seconds · Sapphire glass, arched-edge, antireflective coating on both sides · Special back engraving · Water-resistant 3 bar · Case height 16.5 mm · Diameter 45 mm · Alligator leather strap by Santoni





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## ACOUSTIC SIGNS OF THE TIMES

It is one of the most emotive complications in haute horlogerie: the minute repeater. The crystal-clear tone of the two gongs is an anachronism, a fond reminder of bygone days when the striking of the tower clocks would make people stop whatever they were doing and count the chimes to find out what the time was. The repeating mechanism in the Portugieser Minute Repeater consists of around 250 individual parts working together as if in a mechanical orchestra. When the repeating slide is pushed down, the mechanism chimes out every hour that has elapsed since the last “12” with a single strike on the deeper-pitched gong, every quarter since the last full hour with a double strike on the two gongs, and every minute that has passed since

the last quarter with one strike on the higher-pitched of the gongs. An all-or-nothing piece ensures that the chimes are only struck if the repeating slide is fully depressed. The watch is equipped with the 98950-calibre hunter pocket watch movement, which dates back to the 1930s and has ever since been further developed, improved and modernized. The see-through sapphire-glass back cover provides an open view of the style cues of the early F. A. Jones calibres, such as the elongated index tail for precision adjustment of the effective length of the balance spring. The nickel-silver plate and three-quarter bridge are decorated with circular-grained engravings and Geneva stripes. The watch is limited to 500 pieces each in platinum and 18-carat red gold.





The IWC-manufactured 98295 calibre, the basic movement in the Portugieser Minute Repeater with its elongated index tail for precision adjustment of the balance spring's effective length



# PORTUGIESE MINUTE REPEATER

REFERENCE 5449



**REF. IW544906**  
in platinum with black  
alligator leather strap



**REF. IW544907**  
in 18-carat red gold with brown  
alligator leather strap

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Limited edition of 500 watches each in platinum and 18-carat red gold · Mechanical movement · Hand-wound ·  
IWC-manufactured 98950 calibre (98000-calibre family) · 46-hour power reserve when fully wound ·  
Minute repeater for hours, quarters and minutes · Small hacking seconds · Glucydur® beryllium alloy balance with  
high-precision adjustment cam on balance arms · Breguet spring · Three-quarter bridge · Sapphire glass,  
arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Case height 14 mm · Diameter 44 mm



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## A SUPREME WATCHMAKING ACHIEVEMENT: THE TOURBILLON

For watch lovers, one of the most fascinating aspects of the Portugieser Tourbillon Mystère Rétrograde is the unusual presentation of the flying tourbillon, consisting of 82 parts, as a “12” that has come to life. After the 31st day of the month, the retrograde date display automatically jumps back to the 1st; in shorter months, the indicator is moved forward using a rapid-advance system. The 7-day power reserve display indicates how much energy remains in the IWC-manufactured 51900 calibre. To mark the 75th anniversary of the Portugieser watch family, IWC has given a timepiece swathed in mystery an additional touch of luxury. The arched-edge front glass endows the watch with a more classic, balanced appearance. At the same time, the lugs have been ergonomically modified to make the watch more comfortable to wear on

a slimmer wrist. Another new feature is the exclusive alligator leather strap from Santoni. The back view of the watch with its see-through sapphire-glass back cover is also more attractive. The narrower and partly perforated rotor – now made of solid red gold – provide a generous view of the IWC-manufactured calibre, which also features blued screws. By contrast, in the Portugieser Tourbillon Hand-Wound, the “whirlwind” – as the word translates – turns at “9 o’clock” on the dial. The tourbillon revolves around its own axis once every 60 seconds to counteract the pull of gravity on any disequilibrium in the balance wheel that would adversely affect the watch’s rate and accuracy. The IWC-manufactured 98900-calibre movement with its intricately decorated nickel-silver three-quarter bridge can be admired through the transparent sapphire-glass back.



# PORTUGIESE R TOURBILLON MYSTÈRE RÉTROGRADE

REFERENCE 5046



**REF. IW504601**  
in platinum with black  
alligator leather strap



**REF. IW504602**  
in 18-carat red gold with dark brown  
alligator leather strap



**BACK VIEW**  
for both References  
(illustrated is the IW504602)

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 51900 calibre (50000-calibre family) ·  
7-day power reserve when fully wound · Power reserve display · Retrograde date display · Flying minute  
tourbillon · Glucydur® beryllium alloy balance with high-precision adjustment cam on balance arms · Breguet spring ·  
Rotor in 18-carat red gold · Sapphire glass, arched-edge, antireflective coating on both sides · See-through  
sapphire-glass back · Water-resistant 3 bar · Case height 15.3 mm · Diameter 44.2 mm · Alligator leather strap by Santoni

## PORTUGIESEER TOURBILLON HAND-WOUND

REFERENCE 5463



**REF. IW546301**

in 18-carat white gold with dark brown  
alligator leather strap



**REF. IW546302**

in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical movement · Hand-wound · IWC-manufactured 98900 calibre (98000-calibre family) · 54-hour power reserve when fully wound · Flying minute tourbillon at 9 o'clock · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 11 mm · Diameter 43 mm · Alligator leather strap by Santoni



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## MANUFACTURING EXPERTISE PACKED INTO 45 MILLIMETRES

————— The digital perpetual calendar is one of the outstanding technological advances made by the Schaffhausen-based watchmaking company. With the new Portugieser Perpetual Calendar Digital Date-Month, the Portugieser watch family also includes a model featuring a large display for the date and month. The blue dial with sun-pattern finish sets off the 18-carat red gold case, the date window and the golden indices and hands to their best advantage. The exclusive timepiece packs a wealth of IWC's watchmaking expertise into its 45-millimetre case: perpetual calendar, large digital date display, leap year display, chronograph with flyback function and

the IWC-manufactured 89801 calibre with its efficient double-pawl winding mechanism and quick-action switch. Every night, when the date display moves forward, the switch taps off a little of the energy, stores it and then discharges it precisely at the end of the month or year when, in addition to the date and month disc, the leap year disc also needs to be advanced. The perpetual calendar can be set easily using the crown and will not require correction until 2100. Thanks to the totalizer at "12 o'clock", which shows the clocked hours and minutes, long stop times can be read off at a glance. The watch features an arched-edge front glass and a Santoni alligator leather strap.



# PORTUGIESER PERPETUAL CALENDAR DIGITAL DATE-MONTH

REFERENCE 3972



**REF. IW 397204**

in 18-carat red gold with black  
alligator leather strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89801 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Perpetual calendar · Double-digit displays for both the date and month · Leap year display · Stopwatch function with hours, minutes and seconds · Rotor in 18-carat red gold · Hour and minute counters combined in a single subdial at 12 o'clock · Flyback function · Small hacking seconds · Rotor in 18-carat red gold · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 16.5 mm · Diameter 45 mm · Alligator leather strap by Santoni

PORTUGIESER









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## THE MOON EMBODIES A NEW FORCE OF ATTRACTION

For as long as anyone can remember, the full moon has been steeped in mystery and legend. It is undisputed that the moon's gravitational pull controls the tides, both ebb and flood, and thus exerts an influence on the earth and life. On the moon phase display of the Portugieser Perpetual Calendar, the moon measures a mere 5 millimetres in diameter. Nevertheless, the depiction of its orbit on the miniature stage display diverges by just 1 day in 577.5 years from the actual phase of the moon. In the case of the perpetual calendar with a double moon display, the moon phase is depicted as a mirror image that shows the state of the moon in both the northern and southern hemispheres. In the jubilee year of the Portugieser family, both watches have been technologically and optically modified. For the

first time ever, the double moon model has the railway track chapter ring typical of the Portugieser, while the designers have transformed the entire moon phase display into a star-studded night sky, so that the moon and stars appear to float in infinite space. Both models are equipped with IWC-manufactured movements from the new IWC 52000-calibre family, featuring solid red gold rotors and blued screws. The watches will also have ergonomically improved lugs, arched-edge front glass and luxurious Santoni straps. Otherwise, the modern and elegant time machines leave virtually no wish unfulfilled: perpetual calendar, 4-digit year display, 7-day automatic movement with Pellaton winding and a power reserve display.

# PORTUGIESER PERPETUAL CALENDAR

REFERENCE 5034



**REF. IW503401**  
in 18-carat white gold with black  
alligator leather strap



**REF. IW503404**  
in 18-carat red gold with black  
alligator leather strap



**BACK VIEW**  
for both References  
(illustrated is the IW503404)

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52615 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Perpetual calendar with displays for the date, day, month, year in four digits and perpetual moon phase for the northern and southern hemispheres · Small hacking seconds · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor in 18-carat red gold · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 15.3 mm · Diameter 44.2 mm · Alligator leather strap by Santoni

# PORTUGIESE PERPETUAL CALENDAR

REFERENCE 5033



**REF. IW503301**  
in 18-carat white gold with black  
alligator leather strap



**REF. IW503302**  
in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52610 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Perpetual calendar with displays for the date, day, month, year in four digits and perpetual moon phase · Small hacking seconds · Glucydur®\* beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor in 18-carat red gold · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 15.3 mm · Diameter 44.2 mm · Alligator leather strap by Santoni

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## THE IWC ANNUAL CALENDAR - A MASTERPIECE

————— In 2015, the year of the Portugieser, IWC unveiled a further attractive complication, the annual calendar. Located at “12 o’clock” on the dial, the annual calendar shows the month, date and day in three separate, semicircular windows. The switching mechanism automatically takes into account the differing lengths of individual months. Unlike a perpetual calendar, however, the annual calendar is unable to factor in the differing length of the month of February or the leap years. Once a year, then, at the end of February, it requires manual correction. The necessary correction is made as simply and conveniently as possible via the crown. In order to create as much space as possible for

the date display, the designers replaced the indices from “11” to “1 o’clock” with the three display discs. The rare combination of an annual calendar and 7-day calibre should make this complication from IWC even more interesting for watch connoisseurs. The timepiece is available in an 18-carat red gold case with a silver-plated dial or in stainless steel with a silver-plated or midnight blue dial. The arched-edge sapphire glass makes the case look slimmer and underscores the watch’s classic elegance. The smoothly contoured lugs ensure greater comfort even on slim wrists. From the back, the see-through sapphire-glass back cover provides an unimpeded view of the beautiful new IWC-manufactured 52850 calibre.







# PORTUGIESE ANNUAL CALENDAR

REFERENCE 5035



**REF. IW503504**

in 18-carat red gold with black  
alligator leather strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52850 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Annual calendar with displays for the month, date and day · Small hacking seconds · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor with 18-carat gold medallion · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 15.3 mm · Diameter 44.2 mm

PORTUGIESE

# PORTUGIESEER ANNUAL CALENDAR

REFERENCE 5035



**REF. IW503501**  
in stainless steel with black  
alligator leather strap



**REF. IW503502**  
in stainless steel with black  
alligator leather strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52850 calibre (52000-calibre family) · 7-day power reserve when fully wound · Power reserve display · Annual calendar with displays for the month, date and day · Small hacking seconds · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim · Breguet spring · Rotor with 18-carat gold medallion · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 15.3 mm · Diameter 44.2 mm



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## THE SPORTY MEMBER OF THE PORTUGIESEER FAMILY

————— The Portugieser Yacht Club Chronograph is the sportiest watch in a tradition-steeped watch family. At the request of many watch lovers the diameter of the case has been reduced from 45.4 millimetres to 43.5 millimetres. Powered by the rugged IWC-manufactured 89361-calibre movement and water-resistant to 6 bar, the chronograph reveals its sporting qualities with a flyback function, an additional flange with quarter-second calibration for recording short periods of time and an analogue display for longer stop times on a subdial. The Portugieser Yacht Club

Chronograph has crown protection and is the only Portugieser model to feature luminescent hands and indices. It is available in stainless steel with a slate-coloured or silver-plated dial and in 18-carat red gold, likewise with a silver-plated dial. In the stainless-steel version (Reference IW390503), the slate-coloured dial has been decorated with a sun-pattern finish and, with the flange – a slightly higher rim – has a uniform colour throughout. Thanks to subtle modifications in the design, the chronograph now looks more luxurious and more balanced.



# PORTUGIESE YACHT CLUB CHRONOGRAPH

REFERENCE 3905



**REF. IW390501**

in 18-carat red gold with black  
rubber strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·  
68-hour power reserve when fully wound · Date display · Stopwatch function with hours, minutes  
and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking  
seconds · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides ·  
See-through sapphire-glass back · Water-resistant 6 bar · Case height 14.5 mm · Diameter 43.5 mm

PORTUGIESE

## PORTUGIESER YACHT CLUB CHRONOGRAPH

REFERENCE 3905



**REF. IW390502**  
in stainless steel with black  
rubber strap



**REF. IW390503**  
in stainless steel with black  
rubber strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·  
68-hour power reserve when fully wound · Date display · Stopwatch function with hours, minutes  
and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking  
seconds · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides ·  
See-through sapphire-glass back · Water-resistant 6 bar · Case height 14.5 mm · Diameter 43.5 mm



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## CLASSIC TIMEPIECE, NEWLY INTERPRETED

————— You might refer to this chronograph from the Portugieser family as the big brother of Reference 3714: it is slightly wider and is 2 millimetres higher, although the latter is barely noticeable due to the arched-edge front glass. This traditional watch glass type lends the design a classic equilibrium; this is further emphasized by the railway track chapter ring central to the appearance of the ur-Portugieser. The Portugieser Chronograph Classic is equipped with the IWC-manufac-

..... tured 89361 calibre. This was designed specifically to record stop times up to 12 hours in a subdial where they can be read off as simply as the time of day. The Reference 3904 is available in 18-carat red gold or stainless steel. Both models have a silver- or slate-coloured dial. The rotor, decorated with Geneva stripes, can be seen through the transparent sapphire-glass back. All models are supplied with a Santoni alligator leather strap.



# PORTUGIESEER CHRONOGRAPH CLASSIC

REFERENCE 3904



**REF. 1W390402**  
in 18-carat red gold with brown  
alligator leather strap



**REF. 1W390405**  
in 18-carat red gold with black  
alligator leather strap



**BACK VIEW**  
for both References  
(illustrated is the 1W390402)

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking seconds · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 14.5 mm · Diameter 42 mm · Alligator leather strap by Santoni

PORTUGIESEER

# PORTUGIESEER CHRONOGRAPH CLASSIC

REFERENCE 3904



**REF. IW390404**  
in stainless steel with black  
alligator leather strap



**REF. IW390403**  
in stainless steel with black  
alligator leather strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking seconds · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 14.5 mm · Diameter 42 mm · Alligator leather strap by Santoni

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## ZEITGEIST MEETS TRADITION

————— Since its debut in 2004, the Portugieser Automatic with date display has become one of the most successful Portugieser models ever to emerge from Schaffhausen. The balanced dial design retains the classic appeal of the legendary original Portugieser first manufactured in the 1930s. Since 2015, the Portugieser Automatic has been powered by an IWC-manufactured movement from the new 52000-calibre family. The legendary Pellaton winding system has been further improved: the winding pawls, automatic wheel and rotor bearing are made of extremely wear-resistant ceramic; and instead of one there are two barrels, which build up an impressive 7-day power reserve. The ergonomically optimized lugs now make the watch more com-

fortable to wear on a slender wrist. The Portugieser Automatic is available in two 18-carat red gold and three stainless-steel versions. The models with the 42.3-millimetre red gold cases have either a silver-plated or slate-coloured dial with solid gold appliqués. With the stainless-steel version, customers have a choice between one model with a black dial and silver-plated hands and appliqués or two models with silver-plated dials and either gold-plated or blue hands and appliqués. Now, thanks to the slimmed-down rotor, a glance through the transparent sapphire-glass back cover reveals even more details of the IWC-manufactured 52010 calibre such as the ceramic pawls in the winding system or the decorative Geneva stripes.







The use of more ceramic components has made the Pellaton winding in the 52010 calibre even more efficient with minimal wear and tear

# PORTUGIESEER AUTOMATIC

REFERENCE 5007



**REF. IW500701**

in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52010 calibre (52000-calibre family) ·  
7-day power reserve when fully wound · Power reserve display · Date display · Small hacking seconds  
at "9 o'clock" · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim ·  
Breguet spring · Rotor with 18-carat gold medallion · Sapphire glass, convex, antireflective coating  
on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 14.5 mm · Diameter 42.3 mm

# PORTUGIESE R AUTOMATIC

REFERENCE 5007



**REF. IW500702**

in 18-carat red gold with dark brown  
alligator leather strap



**REF. IW500703**

in stainless steel with black  
alligator leather strap

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52010 calibre (52000-calibre family) ·  
7-day power reserve when fully wound · Power reserve display · Date display · Small hacking seconds  
at "9 o'clock" · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim ·  
Breguet spring · Rotor with 18-carat gold medallion · Sapphire glass, convex, antireflective coating  
on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 14.5 mm · Diameter 42.3 mm

PORTUGIESE R

# PORTUGIESEER AUTOMATIC

REFERENCE 5007



**REF. IW500704**  
in stainless steel with black  
alligator leather strap



**REF. IW500705**  
in stainless steel with black  
alligator leather strap



**BACK VIEW**  
for both References  
(illustrated is the IW500704)

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 52010 calibre (52000-calibre family) ·  
7-day power reserve when fully wound · Power reserve display · Date display · Small hacking seconds  
at "9 o'clock" · Glucydur® beryllium alloy indexless balance with high-precision adjustment screws on balance rim ·  
Breguet spring · Rotor with 18-carat gold medallion · Sapphire glass, convex, antireflective coating  
on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 14.5 mm · Diameter 42.3 mm



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## THE MOST STYLISH WAY OF MEASURING TIME

————— The term chronograph – “writer of time” – refers to an earlier version of this type of watch in which the dial would turn and a writing implement that rested on top of it recorded stopped time either as short or longer strokes, rather like the tacographs in use today. Since then, the word has come to refer mainly to timepieces with an additional stopwatch function. If the Portugieser Chronograph writes anything, then it’s the story of its own success. After all, it has been the most sought-after model in the Portugieser family since 1998. Back then, it was the first Portugieser watch that not only showed the time of day but could also be used to record it. Its

moderate diameter of 40.9 millimetres also makes it ideal for a more slender wrist. Everything is integrated harmoniously into the clearly organized dial with the encircling precision scale: the recessed totalizers, the embossed Arabic numerals and the perfectly proportioned feuille hands for hours and minutes. The chronographs in cases with the warm appeal of 18-carat red gold exude a distinctive luxury. The slate-coloured dial with its shimmering sun-pattern finish creates a subtle contrast to the deep black counters, while the blued hands for periods of stopped time provide a colourful highlight on the silver-plated dial.



# PORTUGIESER CHRONOGRAPH

REFERENCE 3714



**REF. IW 3714 82**  
in 18-carat red gold with black  
alligator leather strap



**REF. IW 3714 80**  
in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Stopwatch function with minutes and seconds · Small hacking seconds · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 12.3 mm · Diameter 40.9 mm

## PORTUGIESEER CHRONOGRAPH

REFERENCE 3714



**REF. IW 3714 45**  
in stainless steel with black  
alligator leather strap



**REF. IW 3714 47**  
in stainless steel with black  
alligator leather strap



**REF. IW 3714 46**  
in stainless steel with blue  
alligator leather strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Stopwatch function with minutes and seconds · Small hacking seconds · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 12.3 mm · Diameter 40.9 mm



— SINCE 1984 —

# PORTOFINO



THE SIZE AND CLASSICAL ELEGANCE OF THE FIRST PORTOFINO  
ENSURED IT GARNERED OF WIDESPREAD ATTENTION



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For many years now, the former fishing village of Portofino on the Golfo del Tigullio near Genoa in Italy has been a place where the rich and famous from all over the world gather. The narrow little houses in red and terracotta clustered tightly around the picturesque natural harbour provide the perfect backdrop for stars and celebrities.

Even today, the international jet set gathers in Portofino to enjoy the relaxed, laid-back lifestyle of southern Europe. The classically elegant Portofino watch family is a subtle reflection of this lifestyle. The history of the Portofino watch family began in the late 1970s. Back then, IWC noted a persistent demand for timeless, classic models. The elegant IWC open-face pocket watch, Reference 5201, served as the basis for the new watch line: its dial was turned through 90 degrees and equipped with a moon phase display. And that was it: the new “pocket-watch-style wristwatch” Reference 5251, which was unveiled in 1984, went by the name “Portofino”. Since then, the Portofino collection has been one of IWC’s most successful watch families: an expression of understatement and good taste.

In 1988, to mark its 120th anniversary, IWC unveiled the Portofino Reference 2532, a consummately elegant timepiece in a gold case with Roman numerals. That same year saw the launch of the Portofino Reference 3731 with the hybrid 631-calibre movement. Although the chronograph consisted of 233 parts, the height of the movement was just 3.8 millimetres: a master stroke of watchmaking. In 1993, IWC unveiled the Portofino Hand-Wound, Reference 2010, with an ultra-slim movement measuring just 1.85 millimetres in height. A mechanical chronograph joined the watch family in 2007.

In 2011, the year of the Portofino, an IWC hand-wound movement from the 8-day 59000-calibre family, which is manufactured in-house, became the first to scale the pinnacle of haute horlogerie. The 59210 calibre in the Portofino Hand-Wound Eight Days only needs winding once a week. In 2014, it was joined by the 59230 calibre in the Portofino Hand-Wound Big Date.

## THE PORTOFINO COLLECTION IS ONE OF THE MOST SUCCESSFUL IWC FAMILIES

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In 2014, for the first time ever, IWC presented the Portofino 37-millimetre collection for watch lovers who prefer a watch that is slightly less voluminous but also more luxurious. The Portofino Automatic 37 is also perfect for a slimmer wrist. The striking timepiece is available in four red gold and seven stainless-steel models. Of the stainless-steel versions, two are new in 2016: one with a blue dial and matching alligator leather strap, the other with a silver-plated dial and a raspberry pink alligator leather strap. The watches are set either with 66 diamonds on the bezel or, in a slightly more understated fashion, with 12 precious stones on the dial.

With the Portofino Automatic Moon Phase 37, the moon phase complication made its return to the Portofino collection after a break of 30 years. Another model joining the collection this year is a version that discreetly celebrates luxury with a polished stainless-steel case, 12 diamonds on the dial and a green strap. The Portofino Automatic Day & Night 37 combines the richness of diamonds and mother-of-pearl with the practicality of a second time zone and 24-hour day/night display.

This year also sees the début of two pleasing complications. The Portofino Hand-Wound Monopusher features a single-button mechanism that permits the measurement of stop times up to 60 minutes. And the Portofino Hand-Wound Day & Date combines the big date with a day display. Together with the 8-day movement and power reserve display, they produce an exquisite timepiece of enormous practical use.





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## UNDERSTATED CHRONOGRAPH

————— The Portofino Hand-Wound Monopusher features a sophisticated single-button mechanism that permits the measurement of stop times up to 60 minutes. The chronograph push-button is an integral part of the crown and at first glance goes virtually unnoticed. To start, stop or reset the chronograph, all the wearer needs to do is press this single multifunctional pusher repeatedly. When the button is pushed for the third time all the chronograph displays are reset to zero. The outstanding feature of the 59360 calibre is the new chronograph mechanism, now mounted on the movement side. The owner has the convenience of a 192-hour power reserve that guarantees accurate running for

8 days before it automatically stops. The energy remaining can be seen in the power reserve display on the dial between “8” and “9 o'clock”. The subdial at “12 o'clock” shows the minutes recorded by the chronograph function while the seconds can be read off from the central hand. In combination with the small seconds at “6 o'clock” and the date at “3 o'clock”, this gives the dial a pleasing equilibrium. The Portofino Hand-Wound Monopusher is available either in white gold with a slate-coloured dial and grey alligator leather strap from Santoni or in an 18-carat red gold case with a silver-plated dial and brown Santoni alligator leather strap.



# PORTOFINO HAND-WOUND MONOPUSHER

REFERENCE 5151



**REF. IW515103**  
in 18-carat white gold with grey  
alligator leather strap



**REF. IW515104**  
in 18-carat red gold with dark brown  
alligator leather strap



**BACK VIEW**  
for both References  
(shown here is the IW515104)

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Mechanical chronograph movement · Hand-wound · IWC-manufactured 59360 calibre (59000-calibre family) ·  
8-day power reserve when fully wound · Power reserve display · Date display · Stopwatch function  
with minutes and seconds · Small hacking seconds · Indexless balance with four golden weight screws on the balance  
rim · Breguet spring · Sapphire glass, arched-edge, antireflective coating on both sides · See-through  
sapphire-glass back · Water-resistant 3 bar · Case height 13 mm · Diameter 45 mm · Alligator leather strap by Santoni

PORTOFINO







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## TIMELESS BEAUTY

————— In the Portofino Hand-Wound Day & Date IWC's designers and watchmakers have combined the big date with the day display and created an aesthetic timepiece that is also enormously practical in use. The month is indicated by the large digits at "12 o'clock", where we see the perfect interplay of two precisely synchronized discs. One of the two discs bears the numerals 0 to 3 and takes care of the tens, while the second, with figures from 0 to 9, displays the single digits. Responsible for the perfect synchronization between the two discs is the IWC-manufactured 59220 calibre. The additional day display is directly connected to the date advance mechanism. Two elastic advance fingers, superimposed one on top of the other, tap off energy from the barrel throughout the day. By midnight they have

built up sufficient power, firstly to advance the date, and, secondly to move a seven-toothed star wheel that causes the hand to jump to the next day of the week. Fully wound, the 8-day movement will continue running precisely for 192 hours without the need for any intervention. At that point, the owner will have to supply fresh energy by winding the crown. The power reserve display on the dial indicates when this is necessary. The Portofino Hand-Wound Day & Date is available in stainless steel (Ref. IW516201) with a silver-plated dial, rhodium-plated hands and indices and a black leather strap from Santoni. The red gold version (Ref. IW516203) features a slate-coloured dial, gold-plated hands and 18-carat red gold indices together with a dark brown leather strap from Santoni.



# PORTOFINO HAND-WOUND DAY & DATE

REFERENCE 5162



**REF. IW516203**  
in 18-carat red gold with dark brown  
alligator leather strap



**REF. IW516201**  
in stainless steel with black  
alligator leather strap



**BACK VIEW**  
for both References  
(shown here is the IW516201)

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Mechanical chronograph movement · Hand-wound · IWC-manufactured 59220 calibre (59000-calibre family) · 8-day power reserve when fully wound · Power reserve display · Day and date display · Small hacking seconds · Breguet spring · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 13 mm · Diameter 45 mm · Alligator leather strap by Santoni





IWC  
SCHAFFHAUSEN

PORTOFINO

25

8  
DAYS  
6  
4  
2  
0

60  
50  
40  
30  
20  
10

SWISS  
MADE



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## THE PORTOFINO 8-DAY POWER RESERVE COLLECTION

————— There are moments you look forward to all week long. For many watch lovers, manually winding the movement of a timepiece with an IWC-manufactured calibre from the 59000 family is one of them. The powerful movements run precisely and reliably for a full 192 hours, or 8 days, before automatically stopping. The Portofino Hand-Wound

: Eight Days shows the date at “3 o'clock”. The energy remaining can be seen in the power reserve display on the dial between “8” and “9 o'clock”. All versions of the 8-day power reserve collection feature a see-through sapphire-glass back cover and are fitted with a Santoni alligator leather strap.



# PORTOFINO HAND-WOUND EIGHT DAYS

REFERENCE 5101



**REF. IW510104**  
in 18-carat red gold with dark brown  
alligator leather strap



**REF. IW510107**  
in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical movement · Hand-wound · IWC-manufactured 59210 calibre (59000-calibre family) · 8-day power reserve when fully wound · Power reserve display · Date display · Small hacking seconds · Breguet spring · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 12 mm · Diameter 45 mm · Alligator leather strap by Santoni

PORTOFINO

## PORTOFINO HAND-WOUND EIGHT DAYS

REFERENCE 5101



**REF. IW510103**  
in stainless steel with brown  
alligator leather strap



**REF. IW510102**  
in stainless steel with dark brown  
alligator leather strap



**REF. IW510106**  
in stainless steel with black  
alligator leather strap

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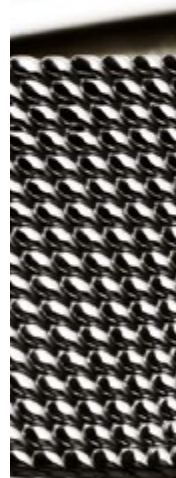
Mechanical movement · Hand-wound · IWC-manufactured 59210 calibre (59000-calibre family) · 8-day power reserve when fully wound · Power reserve display · Date display · Small hacking seconds · Breguet spring · Sapphire glass, arched-edge, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 3 bar · Case height 12 mm · Diameter 45 mm · Alligator leather strap by Santoni

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## TIMELESS ELEGANCE CAN BE MEASURED

————— If you approach the former fishing village of Portofino from the sea, the picturesque old houses could easily trick you into thinking that time had stood still – until you suddenly notice the sleek yachts with their state-of-the-art technology and luxury interiors lying at anchor, that is. The elegant Portofino Chronograph provokes a similar reaction: its striking chronograph push-buttons are reminiscent of the cockpit of 1960s Italian sports cars. In much the same style, the stopwatch

displays bring a distinctly sporty touch to the entire Portofino family. The watch, which features convex sapphire glass and appliquéd Roman numerals, is driven by the time-tested, self-winding 75320 calibre with a 44-hour power reserve. Apart from the classic alligator leather straps, these watches are available with cool but snug-fitting Milanese mesh bracelets, which underscore the timeless character of the Portofino Chronograph.









INTERNATIONAL WATCH CO.

IWC SCHAFFHAUSEN

IWC

2345678

PORTOFINO

## PORTOFINO CHRONOGRAPH

REFERENCE 3910



**REF. IW391020**

in 18-carat red gold with dark brown  
alligator leather strap



**REF. IW391021**

in 18-carat red gold with dark brown  
alligator leather strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Day and date display ·  
Stopwatch function with hours, minutes and seconds · Small hacking seconds · Sapphire glass, convex,  
antireflective coating on both sides · Special back engraving · Water-resistant 3 bar · Case height 13.5 mm · Diameter 42 mm

# PORTOFINO CHRONOGRAPH

REFERENCE 3910



**REF. IW391007**  
in stainless steel with dark brown  
alligator leather strap



**REF. IW391008**  
in stainless steel with black  
alligator leather strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Day and date display ·  
Stopwatch function with hours, minutes and seconds · Small hacking seconds · Sapphire glass,  
convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 13.5 mm · Diameter 42 mm

## PORTOFINO CHRONOGRAPH

REFERENCE 3910



**REF. IW391009**

in stainless steel with Milanese  
bracelet in stainless steel



**REF. IW391010**

in stainless steel with Milanese  
bracelet in stainless steel

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Day and date display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 13.5 mm · Diameter 42 mm · Milanese bracelet in stainless steel



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## THREE HANDS, ONE CONCEPT

Simply classic: for many years this formula has been the secret to the Portofino Automatic's success. Three hands and a discreet day display: the epitome of good taste, it needs no more. The solid, mechanical automatic movement reliably ticks away the time. The evenly rounded sides of the 40-millimetre case make it appear even slimmer. The red gold version is available with a silver-plated or slate-coloured dial and decorated on the reverse side with an exquisite engraving showing a view of the harbour at Portofino. The steel models with silver-plated or black dials

are available with a choice of alligator leather straps or a Milanese bracelet in stainless steel. A new addition this year is the model with golden appliqués on a silver-plated dial. The Portofino Automatic collection has been extended to include two exquisite models in red gold and a white gold version with a diamond-studded bezel and Santoni alligator leather strap. The sun pattern guilloché work underscores the luxurious appearance of these timepieces. The reverse side of the cases is decorated with an exquisite engraving showing the harbour at Portofino.

ART F-42



IWC  
SCHAFFHAUSEN

AUTOMATIC

SWISS MADE

25

XII

VI

5 10 15 20 25 30 35 40 45 50 55 60

# PORTOFINO AUTOMATIC

REFERENCE 3565



**REF. IW356504**  
in 18-carat red gold with dark brown  
alligator leather strap



**REF. IW356511**  
in 18-carat red gold with dark brown  
alligator leather strap



**BACK VIEW**  
for both References  
(illustrated is the IW356511)

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating  
on both sides · Special back engraving · Water-resistant 3 bar · Case height 9.5 mm · Diameter 40 mm

PORTOFINO







# PORTOFINO AUTOMATIC

REFERENCE 3565



**REF. IW356517**  
in stainless steel with black  
alligator leather strap



**REF. IW356501**  
in stainless steel with black  
alligator leather strap



**REF. IW356502**  
in stainless steel with black  
alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective  
coating on both sides · Water-resistant 3 bar · Case height 9.5 mm · Diameter 40 mm

PORTOFINO

## PORTOFINO AUTOMATIC

REFERENCE 3565



**REF. IW356505**

in stainless steel with Milanese  
bracelet in stainless steel



**REF. IW356506**

in stainless steel with Milanese  
bracelet in stainless steel

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 9.5 mm · Diameter 40 mm · Milanese bracelet in stainless steel



# PORTOFINO AUTOMATIC

REFERENCE 3565



**REF. IW356514**  
in 18-carat white gold with 72 diamonds  
and black alligator leather strap



**REF. IW356515**  
in 18-carat red gold with 72 diamonds  
and black alligator leather strap



**REF. IW356516**  
in 18-carat red gold with 72 diamonds  
and dark brown alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds ·  
Sapphire glass, convex, antireflective coating on both sides · Special back engraving ·  
Water-resistant 3 bar · Case height 9.5 mm · Diameter 40 mm · Alligator leather strap by Santoni





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## AN EYE-CATCHER BY DAY AND NIGHT

After the first Portofino delighted watch lovers over 30 years ago with a moon phase, the display now returns to the Portofino family. For the red gold and stainless-steel versions of the Portofino Automatic Moon Phase 37, IWC's watch designers chose flawless, gently shimmering mother-of-pearl in white and black. The delicate, sober patterning of the mother-of-pearl lends the dials an incomparable depth and vividness. Bezels set with 66 diamonds provide an appropriate sense of elegance. The watches are sold with Santoni alligator leather straps, while one of the red gold versions is available with a top-quality Milanese bracelet. Milanese bracelets are also available in stainless steel or red gold for all the other models. The dial of the sumptuous white gold model is coated with several layers of deep jet-black lacquer, which provides a striking backdrop to the pure white diamonds. This year, it is joined by a version without a jewel-set bezel that celebrates the art of understatement

with a polished stainless-steel case, 12 diamonds on the dial and a green strap. The Portofino Automatic Day & Night 37 with a second time zone is the perfect companion for globe-trotting business people, jet-setters and night owls. While the hour, minute and seconds hands display the local time, the blue hand on the inner 24-hour ring shows the time at a second location of the wearer's choice. To help the wearer keep track more easily, the 12 hours of daytime are shown in white and night-time in blue. Convenient operation via the crown makes it particularly easy to set the times separately. Thanks to its elegant design with diamond-set bezel and white mother-of-pearl dial, this gem of a watch will ensure you cut a fine figure no matter what the time. The watch is available in a fabulous red gold or stainless-steel case, combined with a black or dark blue alligator leather strap from Santoni. It is also available with a Milanese bracelet in stainless steel or red gold.

# PORTOFINO AUTOMATIC MOON PHASE 37

REFERENCE 4590



**REF. IW459004**

in 18-carat white gold with 90 diamonds  
on the case and 84 diamonds  
on the black lacquer dial and black  
alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Central hacking seconds ·  
Moon phase display · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni

PORTOFINO

## PORTOFINO AUTOMATIC MOON PHASE 37

REFERENCE 4590



**REF. IW459002**

in 18-carat red gold with 66 diamonds  
on the case and 12 diamonds  
on the white mother-of-pearl dial and  
black alligator leather strap



**REF. IW459005**

in 18-carat red gold with 66 diamonds  
on the case and 12 diamonds  
on the white mother-of-pearl dial and Milanese  
bracelet in 18-carat red gold

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Central hacking seconds · Moon phase display · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni · Milanese bracelet in 18-carat red gold



# PORTOFINO AUTOMATIC MOON PHASE 37

REFERENCE 4590



**REF. IW459003**

in 18-carat red gold with 66 diamonds  
on the case and 12 diamonds  
on the black mother-of-pearl dial and  
dark brown alligator leather strap



**REF. IW459001**

in stainless steel with 66 diamonds  
on the case and 12 diamonds  
on the white mother-of-pearl dial and  
dark blue alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Central hacking seconds ·  
Moon phase display · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni

## PORTOFINO AUTOMATIC MOON PHASE 37

REFERENCE 4590



**REF. IW459007**

in stainless steel with 12 diamonds  
on the white mother-of-pearl dial and  
green alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Central hacking seconds ·  
Moon phase display · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni

# PORTOFINO AUTOMATIC DAY & NIGHT 37

REFERENCE 4591



**REF. IW459102**

in 18-carat red gold with 66 diamonds  
on the case and 12 diamonds  
on the white mother-of-pearl dial and black  
alligator leather strap



**REF. IW459101**

in stainless steel with 66 diamonds  
on the case and 12 diamonds  
on the white mother-of-pearl dial and  
dark blue alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Hour hand adjustable  
in one-hour steps (TZC = Time Zone Corrector) · 24-hour display (second time zone) ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar ·  
Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni









## RADIANT BEAUTIES

————— With its new Portofino Automatic 37, IWC Schaffhausen has made the classically elegant three-hand timepiece more attractive to watch lovers with a slimmer wrist. The 11 models with their diamond-set bezels or dials will appeal to buyers who are happy to see purist design combined with a distinctive, luxurious note. As of 2016, the watch is available in four red gold and seven stainless-steel versions. Of these, two models in stainless steel have joined the collection: Reference IW458111 features a blue dial with a matching alligator leather strap; and with its silver-plated dial and raspberry pink alligator strap, Reference IW458112 is a new, eye-catching highlight. With a high level of purity, the twinkling gemstones give the Portofino Automatic 37 a radiance of its own. At the same time, the design remains reduced and pleasingly uncluttered. The fine sun-pattern finish on the dials reflects light in a myriad different

ways, while the polished surfaces of the case, like the finish, give the watches an opulent style of their own. Apart from its hour, minute and seconds hands, the Portofino also features a date display with a rapid-advance mechanism, all powered by the solid, mechanical 35111-calibre automatic movement. The central hacking seconds hand can be stopped using the crown and the sapphire glass, which has an antireflective coating on both sides, guarantees a clear view of the dial. Both models are water-resistant to 3 bar. Alligator leather straps from Santoni have been selected for each model to match the dial and case. These come in delicate nuances of colour from light and dark brown to grey and black, as well as in orange, lilac, blue, raspberry pink and red. One of the stainless-steel models is fitted with a high-quality Milanese bracelet. In addition, each watch is also available with a Milanese bracelet in stainless steel or 18-carat red gold.



## PORTOFINO AUTOMATIC 37

REFERENCE 4581



**REF. IW458107**

in 18-carat red gold with 66 diamonds  
on the case and  
lilac-coloured alligator leather strap



**REF. IW458108**

in 18-carat red gold with 66 diamonds  
on the case and  
black alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 9 mm · Diameter 37 mm · Alligator leather strap by Santoni



## PORTOFINO AUTOMATIC 37

REFERENCE 4581



**REF. IW458109**

in stainless steel with 66 diamonds  
on the case and  
red alligator leather strap



**REF. IW458111**

in stainless steel with 66 diamonds  
on the case and  
blue alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 9 mm · Diameter 37 mm · Alligator leather strap by Santoni

PORTOFINO

## PORTOFINO AUTOMATIC 37

REFERENCE 4581



**REF. IW458112**

in stainless steel with 66 diamonds  
on the case and  
raspberry pink alligator leather strap



**REF. IW458104**

in stainless steel with 66 diamonds  
on the case and  
grey alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 9 mm · Diameter 37 mm · Alligator leather strap by Santoni

## PORTOFINO AUTOMATIC 37

REFERENCE 4581



**REF. IW458105**

in 18-carat red gold with 12 diamonds  
on the dial and  
orange-coloured alligator leather strap



**REF. IW458106**

in 18-carat red gold with 12 diamonds  
on the dial and  
dark brown alligator leather strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display ·  
Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Water-resistant 3 bar · Case height 9 mm · Diameter 37 mm · Alligator leather strap by Santoni

## PORTOFINO AUTOMATIC 37

REFERENCE 4581



**REF. IW458101**  
in stainless steel with 12 diamonds  
on the dial and  
light brown alligator leather strap



**REF. IW458102**  
in stainless steel with 12 diamonds  
on the dial and  
black alligator leather strap



**REF. IW458110**  
in stainless steel with 12 diamonds  
on the dial and Milanese  
bracelet in stainless steel

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 3 bar · Case height 9 mm · Diameter 37 mm · Alligator leather strap by Santoni · Milanese bracelet in stainless steel



— SPORT FOR GOOD FOUNDATION —

# LAUREUS



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The latest IWC “Laureus Sport for Good Foundation” special edition is already the tenth in the series. And, once again, the colour of hope for disadvantaged children is blue.

This time it is the turn of the Portofino Automatic Moon Phase 37 Edition “Laureus Sport for Good Foundation” to feature the unmistakable Laureus blue on its dial. And because the moon phase display is the same shade of blue, the silver moon appears to float in infinite space, while the 12 diamonds for the hour indices give the impression of being a twinkling continuation of the star-studded night sky. The dark blue Santoni alligator leather strap tones perfectly with the colour. With a moderately sized case diameter of 37 millimetres, the Portofino Automatic Moon Phase 37, water-resistant to 3 bar, is also ideal for a more slender wrist. The hands and the moon phase display are powered by the mechanical 35800-calibre automatic movement. The phase of the moon in the display is set using the correction button at “2 o’clock”. The central hacking seconds hand is stopped using the crown and the sapphire glass has an anti-reflective coating on both sides.

In 2015, in keeping with a revered tradition, IWC Schaffhausen organized another children’s drawing competition throughout all the Laureus Sport for Good Foundation projects. The subject of this year’s competition, “Time for Sport”, encouraged many children and adolescents from all over the world to submit entries.

The jury chose the drawing by 16-year-old Eleni Partakki from Cyprus. Her picture shows happy girls and boys playing with a ball. The winning design is engraved on the back of the case. The engraving is a reminder that some of the sales proceeds are destined to help Laureus Sport for Good Foundation projects in some of the world’s crisis regions. Eleni Partakki is a participant of PeacePlayers International Cyprus (PPI), which actively encourages Greek-Cypriot and Turkish-Cypriot boys and girls to play basketball together. About 1,400 Greek and Turkish Cypriots play basketball at summer camps, street festivals and local competitions.

## THE LAUREUS SPORT FOR GOOD FOUNDATION CURRENTLY SUPPORTS OVER 150 PROJECTS WORLDWIDE

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Participants at the Lead for Peace/Laureus Youth Empowerment through Sport (YES) summer camp on Cyprus



PORTOFINO AUTOMATIC MOON PHASE 37 EDITION  
“LAUREUS SPORT FOR GOOD FOUNDATION”

REFERENCE 4590



**REF. IW459006**

in stainless steel with 12 diamonds  
on the dial and  
blue alligator leather strap

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Limited edition of 1,500 watches in stainless steel · Mechanical movement · Self-winding · 42-hour power reserve when fully wound ·  
Moon phase display · Central hacking seconds · Sapphire glass, convex, antireflective coating on both sides ·  
Special back engraving · Water-resistant 3 bar · Case height 11 mm · Diameter 37 mm · Alligator leather strap by Santoni



— SINCE 1967 —

# AQUATIMER



THE FIRST AQUATIMER, 1967



————— IWC Schaffhausen has had close connections with diving since the 1960s. In 1967, the sport's growing popularity prompted the company to launch the first Aquatimer. It was pressure-resistant to 20 bar and featured an internal rotating bezel to display dive time. In 1982, the first diver's watch in titanium – pressure-resistant to 200 bar with an external rotating bezel – created a sensation: the Ocean 2000. In 1997, IWC rolled out the GST sports watch line, which rapidly became synonymous with ruggedness combined with suitability for everyday use. The inventive ethos of IWC's engineers led to the GST Deep One in 1999. This striking diver's watch in a titanium case was the first IWC watch to feature a mechanical depth gauge.

In 2009, IWC brought a completely revised Aquatimer collection onto the market. The diver's watches featured a chunky external rotating bezel with an inset sapphire glass whose underside was coated with a thick layer of Super-LumiNova®\*.

The 2014 Aquatimer collection was more purist in appearance with more subdued colours than the previous generation. The watches were also more functional and safer, and even more Aquatimer models were fitted with IWC-manufactured movements. The most conspicuous new development was the case design with the external/internal rotating bezel. It combines the advantages of an inner rotating bezel with the ease of use of an external rotating bezel. The external rotating ring with its SafeDive system can be moved simply and precisely in steps of one minute, even when wearing diving gloves or with cold fingers. The Super-LumiNova®\* luminescent coating for the dive time scale on the internal bezel guarantees excellent legibility no matter how poor the visibility. And with the new IWC quick-change system, swapping the steel bracelet for the rubber strap, and vice versa, is a walk in the park.

In 2014, in honour of the ingenious British natural scientist Charles Darwin and his Galapagos expedition, IWC launched a special edition, housed in a bronze case. The Galapagos Islands, 1,000 kilometres from the South American mainland, are one of the last natural paradises on earth. The budding British naturalist visited the Galapagos Islands in 1835 in the course of an

## FOR YEARS NOW, IWC HAS BEEN COMMITTED TO THE PRINCIPLE OF SUSTAINABILITY

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expedition on the memorable HMS Beagle. He found a unique plant and animal ecosystem that differed from one island to the next. The observations he made here formed the essence of his life's work, "The Origin of Species", which was published in 1859 and has since been the basis of the modern theory of evolution.

Exactly 136 years after Darwin, Jacques "le Commandant" Cousteau set course for the archipelago with his research vessel, the Calypso. He wanted to make a close-up study of the Galapagos marine iguanas. For the seventh time to date, IWC dedicated a special edition of the Aquatimer to the passionate inventor, researcher and filmmaker.

In response to the growing popularity in scientific circles of conservation on the Galapagos Islands, the Charles Darwin Foundation (CDF) was founded in 1959 and the Charles Darwin Research Station (CDRS), based on the island of Santa Cruz, in 1964. For years now, IWC has been committed to the principle of sustainability and makes a sizeable contribution to both charitable organizations to enable them to keep up their good work.

In 2016, IWC is unveiling three new Aquatimer diver's watches. With a magma-red quarter section on the black watch, the Aquatimer Chronograph Edition "La Cumbre Volcano" is a genuine eye-catcher. The Aquatimer Automatic 2000 with signal-yellow hands and indices and the Aquatimer Automatic Edition "Expedition Jacques-Yves Cousteau" with its blue dial complete the collection.



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130

140

150

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170

180

IWC  
SCHAFFHAUSEN

AQUATIMER  
DEEP THREE

25

ACT. DEPTH

MAX. DEPTH

SWISS MADE



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## A DEPTH GAUGE FOR MAXIMUM SAFETY

————— The third generation of the IWC diver's watches with a mechanical depth gauge, the Aquatimer Deep Three in a titanium case, is a perfect example of watch-making evolution: it is even safer, more functional and easier to use than ever before. Using three parameters – elapsed dive time, maximum depth reached during a dive and the seconds hand – the diver can plan any necessary decompression stops during their ascent and remain at the necessary depth to conclude the dive safely and successfully. The Aquatimer Deep Three is water-resistant to 10 bar and offers a complete reserve system for the

dive computer. During a dive, the blue depth indicator moves against the white scale to show increasing or decreasing depth. The red maximum depth indicator remains at the greatest depth reached down to 50 metres. Another feature is the SafeDive system, which prevents accidental moving of the external rotating ring. Thanks to its titanium case, the watch is lighter than its predecessor in stainless steel. An elaborate relief engraving of a diver's helmet can be found on the back of the watch. The corrugated rubber strap adapts easily to the changing girth of the wearer's wrist.





AQUATIMER

# AQUATIMER DEEP THREE

REFERENCE 3557



**REF. IW 3557 01**  
in titanium with black  
rubber strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display · Central hacking seconds · Mechanical external/internal rotating bezel with SafeDive system · Mechanical depth gauge with flyback hand showing maximum depth to 50 m · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Special back engraving · Water-resistant 10 bar · IWC bracelet quick-change system · Case height 16.5 mm · Diameter 46 mm

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## AT THE CUTTING EDGE DOWN TO 2,000 METRES

————— The prototype was built in 1982 as a watch for mine clearance divers and designed by the legendary Ferdinand A. Porsche. The version for non-military use, the Ocean 2000, was the first watch with a pressure-resistance of 200 bar and was much coveted by collectors. Subsequent models, namely the GST Aquatimer and the Aquatimer Automatic 2000, were one thing above all: first-class diving instruments for ambitious amateurs and professionals. The Aquatimer Automatic 2000 is a reliable reserve system, even for the most exacting underwater missions. With its titanium case, the watch harks back to the origins of the reference models. The case has

grown in size to 46 millimetres, making the dial more legible and leaving enough room for the robust IWC-manufactured 80110-calibre movement. The chunky external rotating bezel can be adjusted easily even when wearing gloves and, as the name SafeDive system suggests, offers the diver a very high level of safety. This year the Aquatimer Automatic 2000 will also be available with signal-yellow hands and indices. The rubber strap is available optionally in an XXL version and can be worn over a neoprene suit or a drysuit. For the designers, only one motif was thought appropriate for the engraving on the back of the cover: the classic diving helmet worn by deep-sea divers.





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SWISS  
MADE

AQUATIMER  
2000 METERS

SCHAFFHAUSEN  
IWC

25  
15







AQUATIMER

# AQUATIMER AUTOMATIC 2000

REFERENCE 3580



**REF. IW358001**  
in titanium with black  
rubber strap



**REF. IW358002**  
in titanium with black  
rubber strap



**BACK VIEW**  
for both References

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Mechanical movement · Self-winding · IWC-manufactured 80110 calibre (80000-calibre family) · 44-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Central hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 200 bar · IWC bracelet quick-change system · Case height 20.5 mm · Diameter 46 mm





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IWC  
SCHAFFHAUSEN

AQUATIMER

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SWISS MADE

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60  
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60  
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## TRIBUTE TO A WORLD HERITAGE SITE AND A PIONEERING NATURALIST

Since 2014, with the Aquatimer Chronograph Edition “Expedition Charles Darwin”, IWC added the first model in a bronze case to its range. The choice of bronze pays homage to Darwin’s well-known survey vessel, HMS Beagle: in those days, bronze – which is resistant to seawater – was used for portholes, fittings and nautical instruments. In the course of time, and depending on how it is used, bronze takes on a patina and darkens in colour. This gives the watch its unmistakable character. Likewise unmistakable and marked by a history of change is the active volcano La Cumbre on the island of Fernandina, which last erupted in 2009. Now IWC Schaffhausen is dedicating a special diver’s watch to this impressive force of nature: the Aquatimer Chronograph Edition “La Cumbre Volcano”. The unusual back engraving shows

the volcano during an eruption with an enormous cloud of ash. The warm feel of the rubber coating on the stainless-steel case makes the watch very pleasant to wear. Part of the proceeds will go to the Charles Darwin Foundation (CDF), which is dedicated to the preservation of the Galapagos Islands and has worked with IWC Schaffhausen since 2009. The Aquatimer Chronograph Edition “Galapagos Islands” with its matte-black rubber coating likewise acknowledges the partnership with the CDF. The aim of the Galapagos scientific centre is to research the indigenous flora and fauna, both on land and at sea, and to save the Galapagos from total destruction. All three watches are fitted with the IWC-manufactured 89365 movement and have all the innovative features of the current Aquatimer generation.



# AQUATIMER CHRONOGRAPH EDITION “EXPEDITION CHARLES DARWIN”

REFERENCE 3795



**REF. IW 379503**  
in bronze with black  
rubber strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89365 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Stopwatch function with minutes and seconds · Flyback function · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm

AQUATIMER

# AQUATIMER CHRONOGRAPH EDITION “LA CUMBRE VOLCANO”

REFERENCE 3795



**REF. IW 379505**

in rubber-coated stainless steel  
with black rubber strap

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Limited edition of 500 watches · Mechanical chronograph movement · Self-winding · IWC-manufactured 89365 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Stopwatch function with minutes and seconds · Flyback function · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm



AQUATIMER

## AQUATIMER CHRONOGRAPH EDITION “GALAPAGOS ISLANDS”

REFERENCE 3795



**REF. IW 3795 02**

in rubber-coated stainless steel  
with black rubber strap

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89365 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Stopwatch function with minutes and seconds · Flyback function · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm





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## AN EXPEDITION WITH “LE COMMANDANT” COUSTEAU

————— In the early 1970s, scuba diving pioneer, researcher and filmmaker Jacques Cousteau's film “The Dragons of Galapagos” familiarized millions of viewers with the mysterious marine iguana. In 1973, he founded the Cousteau Society, a non-profit organization dedicated to protecting maritime life. IWC has been a partner of the Cousteau Society since 2004 and has supported the organization in its work to set up marine conservation areas. The Aquatimer Chronograph Edition “Expedition Jacques-Yves Cousteau” with its traditionally blue dial is already the sixth special edition to bear the name of the famous Frenchman. The engraving on the back of the cover shows “le Commandant” with his

trademark woollen beanie. Part of the proceeds from every sale goes directly to the Cousteau Society. The watch devoted to Cousteau is technically identical to the Aquatimer Chronograph. The innovative external/internal rotating bezel with a SafeDive system designed to prevent inadvertent changes of the dive time boosts the practical use of the diver's watch, as does the increase in water-resistance from 12 to 30 bar. The chronograph function supports stop times and aggregate timing up to 12 hours. The push-buttons can also be used under water. The distinctly purist design of the dial recalls the look of the first Aquatimers in 1967 and gives it a more modern reinterpretation.



With his legendary TV series "The Undersea World of Jacques Cousteau", the filmmaker did much to popularize amateur scuba diving



AQUATIMER CHRONOGRAPH EDITION  
“EXPEDITION JACQUES-YVES COUSTEAU”

REFERENCE 3768



**REF. IW 376805**

in stainless steel with black  
rubber strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm



# AQUATIMER CHRONOGRAPH

REFERENCE 3768



**REF. IW376801**  
in stainless steel with black  
rubber strap



**REF. IW376802**  
in stainless steel with  
stainless-steel bracelet

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm

# AQUATIMER CHRONOGRAPH

REFERENCE 3768



**REF. IW 376803**  
in stainless steel with black  
rubber strap



**REF. IW 376804**  
in stainless steel with  
stainless-steel bracelet

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 17 mm · Diameter 44 mm

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## THE PURIST OF THE FAMILY

————— The rugged cliffs running along the coast, where the glittering silver Pacific crashes onto the jet-black igneous rock, is probably the most typical view of the Galapagos Islands. IWC's designers took much of their inspiration for the colour scheme of the Aquatimer Automatic in stainless steel from this meeting of the elements. The basic model in the Aquatimer family comes with a black or silver-plated dial, complete with a matching black rubber strap or stainless-steel bracelet. In the version with the black dial, the dive-related displays are coated with luminescent green Super-LumiNova®\*. The model with the silver-plated dial looks particularly elegant: the

colour of the inlaid luminescent material is slightly more discreet, which does not detract from its legibility in the dark or in adverse visibility conditions. This year, they are joined by the Aquatimer Automatic Edition "Expedition Jacques-Yves Cousteau". The blue of the dial is the same as the chronograph that bears the commandant's name. Like all the models in the collection, the Aquatimer Automatic is equipped with the innovative external/internal rotating bezel with the SafeDive system. With a case measuring just 42 millimetres in diameter, the Aquatimer Automatic is the smallest member of the diver's watch family and its dial the most purist.







# AQUATIMER AUTOMATIC

REFERENCE 3290



**REF. IW329001**  
in stainless steel with black  
rubber strap



**REF. IW329002**  
in stainless steel with  
stainless-steel bracelet

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Central hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 14 mm · Diameter 42 mm

AQUATIMER

# AQUATIMER AUTOMATIC

REFERENCE 3290



**REF. IW 329003**  
in stainless steel with black  
rubber strap



**REF. IW 329005**  
in stainless steel with black  
rubber strap

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Mechanical external/internal rotating bezel with SafeDive system · Date display · Central hacking seconds · Luminescent elements on hands, dial and internal rotating bezel · Screw-in crown · Sapphire glass, convex, antireflective coating on both sides · Water-resistant 30 bar · IWC bracelet quick-change system · Case height 14 mm · Diameter 42 mm

— SINCE 1955 —

# INGENIEUR



BRINGING THE HALLMARKS OF THE WATCH FAMILY DESIGN TOGETHER FOR THE FIRST TIME EVER:  
THE INGENIEUR SL, REFERENCE 1832, LAUNCHED IN 1976



————— In the early 1970s, a diver's helmet inspired freelance watch designer Gérald Genta to adopt a distinctly modern, technical approach that was to revolutionize watch design. Instead of trying to conceal the screws or functional bores, he left them plain for all to see on the bezel. For IWC Schaffhausen Gérald Genta designed the legendary Ingenieur SL, Reference 1832, which was launched in 1976. Its eye-catching design stood for masculine values: it was rugged and sporty with an undeniably technical appeal, and has influenced the appearance of the Ingenieur watch family to this day.

The Ingenieur watch family's success story, incidentally, began back in the 1950s. An increasing number of technical appliances generated magnetic fields that adversely affected the accuracy of wristwatches. Engineers, in particular, often worked in areas subject to magnetic fields. By this time, IWC had perfected methods of protecting against magnetic fields to the point that making a new watch line especially for this profession seemed like a good idea. And so the Ingenieur was born.

The first Ingenieur, unveiled in 1955, was equipped with the first bidirectional automatic movement, developed by the then Technical Director, Albert Pellaton. The Pellaton system winds the movement when the rotor is revolving in either direction, making it significantly more efficient than conventional unidirectional mechanisms. In the late 1950s, the design of the movements used in the Ingenieur watches was successively improved. In the 1970s and 1980s, quartz watches reigned supreme on the world's watch markets. Even IWC equipped certain Ingenieur models with quartz-regulated oscillators. Technical masterpieces like the Ingenieur SL, which was just 10 millimetres thick, or the Ingenieur Automatic "500,000 A/m" with its possibly record-breaking level of protection against magnetic fields, were the outstanding features of this period in the Ingenieur's history, as was the introduction of titanium for cases.

In 2005 the watch family celebrated a stirring comeback. The Ingenieur Automatic assumed the cool, engineering-inspired aura of Gérald Genta's Ingenieur SL. The IWC-manufactured 80110 calibre with its Pellaton winding system also featured an

## IWC HAS MAINTAINED ITS POSITION AS ONE OF THE LEADERS IN TITANIUM SURFACE MACHINING TO THIS DAY

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integrated shock-absorption system. To mark the partnership between IWC and Mercedes-AMG, IWC unveiled two Ingenieur models in titanium. They underscore the values shared by the technology specialists in Schaffhausen and Affalterbach: precision, performance and engineering expertise.

The Ingenieur collection, which was completely redesigned in 2013, centred entirely on the cooperation with the MERCEDES AMG PETRONAS Formula One™ team. One of the technological highlights was the Ingenieur Constant-Force Tourbillon with its patented constant-force mechanism. It first appeared in a rare combination of materials – platinum and ceramic – and since 2015 has been complemented by a model in a red gold and ceramic case. Another example of exceptional design was the quick-action switch found in the Ingenieur Perpetual Calendar Digital Date-Month, which moves up to five display discs simultaneously. The watch's case is made of titanium aluminide. This model is also available in an 18-carat red gold and titanium aluminide case. The technology-inspired materials used in this Ingenieur line – titanium aluminide, carbon, ceramic and titanium – were inspired by those frequently found in FORMULA ONE.

In appearance, the classic design line with the stainless-steel case and characteristic drill holes are in line with the tradition of the Ingenieur SL launched in 1976. Elegant, functional and technologically sophisticated, it distils all that is best from almost 60 years of performance engineering in the Ingenieur family.





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## A POWERFUL DRIVE TO DELIVER MORE TORQUE

————— With the spectacular Ingenieur Constant-Force Tourbillon, IWC now leads the field in the constructors' championship of haute horlogerie. This precision machine's patented constant-force mechanism is integrated in a tourbillon and ensures that the amplitude of the balance remains virtually constant. It guarantees an extremely precise rate over a period of at least 48 hours. The 94800-calibre movement features two barrels, which provide the energy for the higher torque required to drive the constant-force tourbillon. It also provides the moon phase module with the necessary power. The double moon display

depicts the surface of the earth's natural satellite so realistically that even tiny craters can be recognized. The countdown display shows the number of days remaining until the next full moon. The power reserve display between "4" and "5 o'clock" indicates the energy remaining in the mainspring. The watch is available in either a platinum and ceramic case or an 18-carat red gold and ceramic case. The design on the movement side, visible through the transparent sapphire-glass back, was inspired by a sports car's engine block. Perforations provide a clear view of the intermeshing wheels: Performance engineering for purists.





Precision assembly: tourbillon with patented constant-force mechanism

I N G E N I E U R

# INGENIEUR CONSTANT-FORCE TOURBILLON

REFERENCE 5900



**REF. IW590001**

in platinum and ceramic with black rubber strap  
and black alligator leather inlay



**REF. IW590002**

in 18-carat red gold and ceramic with black rubber strap  
and black alligator leather inlay

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Limited edition of 50 watches each · Mechanical movement · Hand-wound · IWC-manufactured 94800 calibre (94000-calibre family) · 96-hour power reserve when fully wound · Power reserve display · Perpetual moon phase display · Double moon phases for the northern and southern hemispheres · Countdown display showing phases until next full moon · Tourbillon with integrated constant-force mechanism · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 14 mm · Diameter 46 mm



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## TITANIUM MEETS ALUMINIUM AND GOLD

————— In 2013, with the Ingenieur Perpetual Calendar Digital Date-Month, IWC presented a watch case made of titanium aluminide for the first time and reaffirmed its reputation as the materials pioneer in the watchmaking industry. Titanium aluminide is used widely in motor sport: the alloy is lighter and more robust than pure titanium. Since 2015, the timepiece has also been available in 18-carat red gold. The black parts of the case are made of zirconium oxide, yet another material typically associated with FORMULA ONE. Modern racing cars have a boost button designed to provide maximum thrust when needed. In the case of the perpetual calendar with its digital date and leap year display, this job is

handled by IWC's revolutionary quick-action switch. Every night, when the date display advances, this sophisticated mechanism siphons off a little energy, stores it and then discharges it precisely at the end of the month to rotate the display discs. At the end of the year, no fewer than five display discs need to be advanced synchronously. On New Year's Eve, thanks to the three semi-transparent totalizers, the entire dial is set in motion. It is a spectacle of technical brilliance that no one who appreciates complex mechanical systems will want to miss. The see-through sapphire-glass back provides an unimpeded view of the IWC-manufactured 89802 calibre, whose rotor resembles the spokes on a light alloy wheel rim.



60 55 50 45 40 35 30 25 20 15 10 05 10

IWC  
SCHAFFHAUSEN

60 50 40 30 20 10

018

MONTH

60 50 40 30 20 10

INGENIEUR

LEAP YEAR

DATE 215

DE

SWISS MADE

60 50 40 30 20 10

# INGENIEUR PERPETUAL CALENDAR DIGITAL DATE-MONTH

REFERENCE 3792



**REF. IW379201**

in titanium aluminide with black rubber strap  
and black alligator leather inlay



**REF. IW379203**

in 18-carat red gold and titanium aluminide with  
black rubber strap and black alligator leather inlay

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Limited edition of 100 watches in 18-carat red gold · Mechanical chronograph movement · Self-winding · IWC-manufactured 89802 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Perpetual calendar · Large double-digit displays for both the date and month · Leap year display · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a single subdial at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 17 mm · Diameter 46 mm





INTERNATIONAL WATCH CO. INGENIEUR  
PERPETUAL CALENDAR  
POWER - RESERVE  
2345678  
SIXTY-EIGHT HOURS  
AD. T  
902  
FIVE (5) POS.  
SWISS MADE 3530188  
INTERNATIONAL WATCH CO.  
FIFTY ONE  
JEWELS

IWC

IWC



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## HIGH TECHNOLOGY AND CRAFTSMANSHIP

————— These two seriously high-tech machines each feature a material primarily associated with FORMULA ONE: carbon and ceramic. In the Ingenieur Automatic Carbon Performance Ceramic, with its carbon case and ceramic bezel, even the dial is lined with carbon fibre webbing. The glass fibre matting is soaked in epoxy resin and shaped to the desired form before being baked at a high temperature and pressure. Finally, the resin is cured. The rubber strap with calfskin inlay is stitched with green nylon thread, recalling the sidewalls of tyres used on wet circuits. The Ingenieur Automatic AMG Black Series Ceramic boasts the same outstanding features as an AMG Mercedes: exclusiveness and high per-

formance, combined with everyday practicability, reliability and quality. The case, which is water-resistant to 12 bar, the bezel, the case-back ring, the crown and its solid protective shoulders are all made of the black zirconium oxide inspired by the high-performance ceramic disc brakes found in premium AMG vehicles. Both models are equipped with the in-house 80110-calibre movement, one of the most rugged ever manufactured by IWC. Thanks to its integrated shock-absorption system, it is unaffected by extreme acceleration as well as sharp braking manoeuvres and vibrations, making it the perfect watch for racing drivers.



# INGENIEUR AUTOMATIC CARBON PERFORMANCE CERAMIC

REFERENCE 3224



**REF. IW 3224 04**

in ceramic with black rubber strap  
and black calfskin inlay

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Limited edition of 1,000 watches with green nylon stitching · Mechanical movement ·  
Pellaton automatic winding · IWC-manufactured 80110 calibre (80000-calibre family) · 44-hour power reserve  
when fully wound · Integrated shock-absorption system · Date display with crown-activated rapid advance ·  
Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · See-through  
sapphire-glass back · Water-resistant 12 bar · Case height 14.5 mm · Diameter 46 mm

INGENIEUR

# INGENIEUR AUTOMATIC AMG BLACK SERIES CERAMIC

REFERENCE 3225



**REF. IW 322503**  
in ceramic with black rubber strap  
and black calfskin inlay



**REF. IW 322504**  
in ceramic with black rubber strap  
and brown alligator leather inlay

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Mechanical movement · Pellaton automatic winding · IWC-manufactured 80110 calibre (80000-calibre family) ·  
44-hour power reserve when fully wound · Integrated shock-absorption system · Date display with  
crown-activated rapid advance · Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating  
on both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 14.5 mm · Diameter 46 mm



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## A DOUBLE CHAMPION IN TITANIUM

————— In FORMULA ONE motor sport, lap times provide important information about various technical parameters and the progress of a race. During qualifying, the driver with the fastest lap time is awarded pole position. So it was clear that the new Ingenieur collection, which is deeply influenced by the partnership between IWC and the MERCEDES AMG PETRONAS Formula One™ team, should feature a double chronograph. The split-seconds hand can be stopped to record intermediate times while the stopwatch hand continues to run. If the push-button at “10 o’clock” is pressed a second time, the split-seconds and stopwatch hands are resynchronized. This en-

ables the user to record as many lap times as they choose. For the Ingenieur Double Chronograph Titanium with the 79420 calibre, IWC’s designers took their inspiration from the materials typically used in FORMULA ONE: the casing ring is made of titanium and the striking screw heads in the bezel are made of ceramic. The crown, the crown protection and the push-buttons are lavishly coated with black rubber. The totalizers, which closely resemble tachometers, give the watch a consistent, instrument-inspired look. The watch is available with a silver-plated or black dial and is normally matched with a black rubber strap.







When the stopwatch hand is started, the split-seconds hand moves off with it in sync

I N G E N I E U R

## INGENIEUR DOUBLE CHRONOGRAPH TITANIUM

REFERENCE 3865



**REF. IW386501**  
in titanium with black  
rubber strap



**REF. IW386503**  
in titanium with black  
rubber strap

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Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound ·  
Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds ·  
Split-seconds hand for intermediate timing · Screw-in crown · Sapphire glass, flat,  
antireflective coating on both sides · Water-resistant 12 bar · Case height 16 mm · Diameter 45 mm





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## IN ITS ELEMENT ON THE CIRCUIT

————— To mark the start of its partnership with the MERCEDES AMG PETRONAS Formula One™ team in 2013, IWC launched the Ingenieur Chronograph Racer and the Ingenieur Chronograph Silver Arrow. The two technically identical timepieces are equipped with the highly efficient double-pawl winding system found in the IWC-manufactured 89361 calibre. The upper totalizer makes it possible to read off stopped times and minutes on a subdial as easily as the time of day. Stopped times up to one minute are measured by the central seconds hand. Used in combination with the tachymeter scale, it also shows the average speed achieved over a measured

distance of 1,000 metres. Another very practical feature for anyone who frequents the world's racing circuits is the flyback function for measuring pit-stop times. The Ingenieur Chronograph Silver Arrow breathes fresh life into the mythical aura surrounding the historic Mercedes-Benz racing car. One characteristic feature is the dial with its circular graining in silver or brown: a tribute to the legendary Silver Arrow W25, which had instruments framed by a dashboard of circular-grained steel. Both dial versions are available in limited editions of one thousand watches. An attractive engraving of a stylized Silver Arrow racing car can be found on the case back.

# INGENIEUR CHRONOGRAPH RACER

REFERENCE 3785



**REF. IW378507**  
in stainless steel with black rubber strap  
and black alligator leather inlay



**REF. IW378508**  
in stainless steel with  
stainless-steel bracelet



**BACK VIEW**  
for both References  
(illustrated is the IW378507)

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·  
68-hour power reserve when fully wound · Date display with crown-activated rapid advance ·  
Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a subdial  
at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat,  
antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm

## INGENIEUR CHRONOGRAPH RACER

REFERENCE 3785



**REF. IW378509**

in stainless steel with black rubber strap  
and blue alligator leather inlay



**REF. IW378510**

in stainless steel with  
stainless-steel bracelet

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Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·  
68-hour power reserve when fully wound · Date display with crown-activated rapid advance ·  
Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a subdial  
at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat,  
antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm



# INGENIEUR CHRONOGRAPH SILVER ARROW

REFERENCE 3785



**REF. IW378505**

in stainless steel with black rubber strap  
and brown alligator leather inlay

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Limited edition of 1,000 watches · Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display with crown-activated rapid advance · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a subdial at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm

INGENIEUR

# INGENIEUR CHRONOGRAPH SILVER ARROW

REFERENCE 3785



**REF. IW 378511**

in stainless steel with black rubber strap  
and brown alligator leather inlay

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Limited edition of 1,000 watches · Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display with crown-activated rapid advance · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a subdial at "12 o'clock" · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm



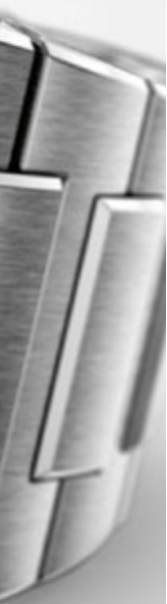
IWC  
SCHAFFHAUSEN

INGENIEUR

SWISS  
MADE

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## AT HOME AROUND THE WORLD



Melbourne, Abu Dhabi, Monza, São Paulo, Kuala Lumpur: 20 times a year, the international FORMULA ONE cavalcade and with it IWC's partner, the MERCEDES AMG PETRONAS Formula One™ team, moves from one racing circuit to the next, at locations all over the planet. The Ingenieur Dual Time takes the hard work out of keeping on track while moving from one time zone to another by showing a second local time of the owner's choice. This way, people who move rapidly from one continent or time zone to the next and who communicate worldwide will always

retain an overview. Local time can be advanced or moved back in one-hour steps, even beyond the International Date Line. The hand with the white triangle keeps track of the second time on the outer 24-hour circle. In this way, the wearer is constantly up to speed on the time at home or wherever his or her business partner happens to be. To make it easier to differentiate between day and night, the top half, from "6 p.m." to "6 a.m.", is darker than the lower half. The Ingenieur Dual Time is available with a stainless-steel bracelet.



# INGENIEUR DUAL TIME

REFERENCE 3244



**REF. IW 324402**  
in stainless steel with  
stainless-steel bracelet



**REF. IW 324404**  
in stainless steel with  
stainless-steel bracelet

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Hour hand adjustable in one-hour steps (TZC = Time Zone Corrector) · 24-hour display (second local time) · Date display · Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 13.5 mm · Diameter 43 mm

INGENIEUR



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## CLASSIC MEMBERS OF THE WATCH FAMILY

With the moderate dimensions of the case, the Ingenieur Automatic in stainless steel is well suited to a slimmer wrist. Despite its relatively modest height of 10 millimetres, the watch still comes with a soft-iron inner cage for maximum protection against magnetic fields and water-resistance to 12 bar. The Ingenieur Automatic models consistently reflect the design cues of this traditional watch family. The main reason for this is the equally elegant and functional design of a watch with its three hands. The conspicuous bores in the bezel were the brainchild of watch designer Gérald Genta. In the case of the legendary Ingenieur SL unveiled in 1976, he placed the five

functional holes directly on the bezel. Originally, they served to hold it in position. Since then, the bores and/or screw heads together with the stylized bolt of lightning have become the hallmarks of the Ingenieur family. Like the solid metal hands, the rugged-looking crown protection underscores the impression that you are now dealing with a genuine strongbox. The classic Ingenieur is supplied with a silver-plated or black dial. The model with a silver-plated dial has rhodium- or rose-gold-plated hands and appliqués, while the rhodium-plated hands and appliqués attractively contrast with the black dial.



IWC  
SCHAFFHAU

INGENIEUR

25

SWISS  
MADE





IWC  
SCHAFFHAUSEN

25

INGENIEUR

SWISS MADE

# INGENIEUR AUTOMATIC

REFERENCE 3239



**REF. IW 323906**  
in stainless steel with  
stainless-steel bracelet



**REF. IW 323904**  
in stainless steel with  
stainless-steel bracelet



**REF. IW 323902**  
in stainless steel with  
stainless-steel bracelet

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Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display with crown-activated rapid advance · Central hacking seconds · Screw-in crown · Soft-iron inner case for protection against magnetic fields · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 10 mm · Diameter 40 mm

— SINCE 1868 —

# MANUFACTURE



THE IWC PERPETUAL CALENDAR ALSO TAKES THE LEAP YEARS INTO ACCOUNT: THE CENTURY SLIDE SUPPLIED WITH THE WATCH WILL GO ON SHOWING THE YEAR CORRECTLY UNTIL 31 DECEMBER 2499

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Schaffhausen is an island in Switzerland's watchmaking industry, because the vast majority of the country's manufacturers are based in the French-speaking part of the country. The manufacturer on the bank of the Rhine makes precision timepieces of lasting value, with a clear focus on technology and development. The company has established an international reputation on the strength of its passion for innovation and technical inventiveness. As one of the world's leading premium brands in the luxury watch segment, IWC creates masterpieces of haute horlogerie that combine precision engineering with exclusive design.

IWC fastidiously cultivates the centuries-old craft of watchmaking because respect for the tradition's pioneers also helps to guarantee the continuity of the Schaffhausen-based company. At IWC, however, traditional craftsmanship is not an end in itself. But when machines, no matter how precise, are no substitute for manual dexterity, IWC specialists equipped with delicate instruments are ready to step in with traditional craftsmanship: whether it is to assemble a movement, tune a minute repeater or tackle the assembly of a Portugieser Sidérale Scafusia, which takes several weeks. At the same time, the use of state-of-the-art technologies has been an IWC tradition since the company's earliest days: at the end of the 19th century, American F. A. Jones's revolutionary idea of using water power from the Rhine to drive the production machines of a watch factory gave IWC a decisive advantage over the competition. Ever since then, the focus at IWC Schaffhausen on the development and continuous improvement of its own watch movements, functional displays and cases has been an integral part of the company's philosophy. In-house movements and complications such as the perpetual calendar and constant-force tourbillon and minute repeater are not only historically significant achievements in the art of watchmaking but also the fruits of the company's ongoing design and development efforts. In the course of its 148-year history, IWC has continuously expanded its production know-how, so that today the latest computer technology, scientific laboratories and CNC lathes and milling machines are part of everyday life in production. In short, at IWC high technology and craftsmanship are not a contradiction.

## THE QUEST FOR TECHNICAL PERFECTION IS PART OF THE COMPANY'S PHILOSOPHY

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IWC Schaffhausen's steadily increasing expertise as a "manufacturer" is reflected not least in the increasing number of movements it designs and produces in-house. In the years ahead, the company plans to add more IWC-manufactured calibre families, starting with the 52000-calibre family, which celebrated its debut in 2015 in the new Portugieser collection. This long-term strategic process can also be seen in the company's personnel structure: since 2005, for example, the number of employees working in Research and Development has virtually doubled. In terms of production, IWC also continues to broaden its in-house spectrum. Whether wheels, shafts, bridges or plates, IWC's highly qualified staff are fully conversant with all the watch components that it makes sense to produce in Schaffhausen.

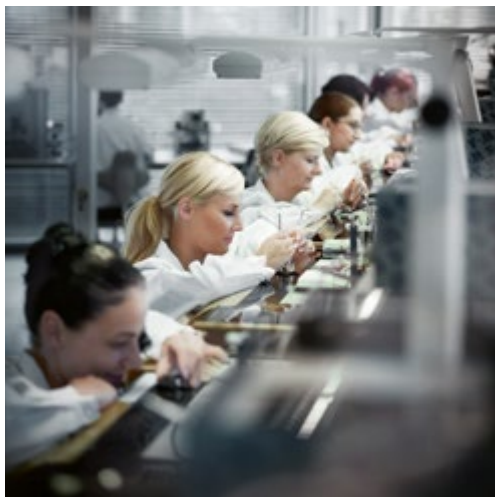
For the designers and construction specialists at IWC, the claim to excellence, "Probus Scafusia" – "Craftsmanship made in Schaffhausen", which was first formulated in 1903, is not only an enormous challenge; it is also their great passion. Masters of their trade professionally assemble every IWC watch, each a fascinating showpiece of meticulous workmanship, functionality and design; each an outstanding example of the art of watchmaking at its very best.



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## BEFORE A WATCH FROM IWC TICKS FOR THE FIRST TIME

————— A new watch from IWC involves close co-operation between designers, construction engineers and marketing specialists. Their job is to set new trends while respecting the company's philosophy and traditions. When a new IWC watch is designed, not even the smallest detail is left to chance. The calibre and its function are as much the logical outcome of constructive teamwork as dial and strap or bracelet, the positioning of the displays, the choice of materials and colours or the surface finish. Emotional aspects, too, play an important role: the way we feel when we touch a watch, how the push-buttons operate, or how it sounds when the crown locks into position.



A highly sophisticated assembly strategy, together with integrated quality control, helps to maintain IWC's high standards

Thanks to a sophisticated development and quality management system backed by an exacting inspection and testing programme, IWC is able to guarantee quality of the highest order. With the help of state-of-the-art scientific methods, every single part is tested for precision, resilience, temperature resistance, wear and tear and many other criteria. Computer simulations, X-ray analyses, high-speed cameras and laser metering instruments are among the technologies used. In this way, IWC can ensure that its watches will continue functioning and can be repaired for many years to come.

A month-long programme of tests and inspections simulates, in condensed form, just about everything that can happen to a watch. In the impact tests, the watch is shaken around in a small container for hours on end, subject to knocks and impacts from all sides at speeds of up to 5,000 times the acceleration of gravity. In order to check their resistance to abrasion, components subject to high mechanical wear and tear such as rotating bezels, crowns and push-buttons undergo tough fatigue tests. Climate, corrosion and UV tests check the resistance of the watches to extremes of temperature, saltwater and exposure to bright sunlight. And for all those situations in real life that cannot be simulated one hundred percent in the laboratory, the watches are exposed to everyday stresses and strains in practical testing. Depending on the model in question, these may include chopping wood, diving, playing golf or mountain biking. Only when the prototypes have passed stringent testing and a pilot run has revealed no more problems is the company ready to go into series manufacture, thereby adding another fascinating chapter to the legend that is IWC.



In parts production, plates and bridges are manufactured to tolerances of less than 10 micrometres using CNC milling machines before going on to hand decorating and finishing.

The assembly of a movement involves putting together the winding mechanism, train and escapement, as well as the subsequent “réglage”, or precision adjustment of the timepiece. The most complex of these jobs is adjusting the escapement and aligning the balance spring: this is a high-precision manual task that no machine could ever carry out even remotely to the same high quality standards.

After this, highly skilled watchmakers in the complications department add on complications such as the perpetual calendar or split-seconds mechanism to the basic movement. In the special features department watch movements are fitted with tourbillons and minute repeaters.

In case manufacturing, assembly case parts are produced from pre-shaped blanks or machined on CNC lathe and milling machines to an accuracy of one hundredth of a millimetre. Milling

machines are used to cut the horns for the strap or bracelet and the apertures for the crown and push-buttons into the casing rings and to create complex cases. Finally, precision manual finishing brings the surfaces up to IWC’s high standards.

In the final assembly department, everything is carried out manually. Specialists position the dials and hands on top of the finished and adjusted movement or second hand shaft, respectively. The movement is then secured to a casing ring or directly in the case and, finally, the winding stems are adjusted.

During the final inspection movements in self-winding watches are rotated continuously over a period of 10 days while those with manual winding are fully wound every other day. Running-in gives the wheels and pinions a chance to adapt to each other perfectly, while the lubricant penetrates into all the right places. A watch’s suitability for everyday use is tested one last time by fully winding the movement, measuring its accuracy, checking the functions and appearance, and confirming its resistance to air and water. This seamless quality assurance process guarantees every future owner of an IWC watch that the company rigorously upholds its legendary quality standards.

**FOR FURTHER INFORMATION,  
PLEASE VISIT  
[WWW.IWC.COM/MANUFAKTUR](http://WWW.IWC.COM/MANUFAKTUR)**

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The in-house 52850 calibre shows the month, date and day. The rare combination of an annual calendar and 7-day movement should make this complication from IWC even more interesting for watch connoisseurs

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## FROM THE JONES CALIBRE TO THE 52000-CALIBRE FAMILY

————— The company's excellent reputation was established right from the start with the very first Jones calibre named after the founder of IWC. Among other things, it featured a compensating balance, a Breguet spring and an elongated index to facilitate precision adjustment of the watch's rate. Towards the end of the 19th century, IWC used its 64-calibre ladies' pocket watch movement in its first wristwatches. The first movements designed specially for wristwatches – the 75 and 76 calibres – followed in 1915. In 1939, the men's pocket watch 74 calibre was used in the first Portugieser wristwatches, which explains the unusually large size of the watch family to this day. It was a pocket watch, too, that from 1940 determined the size of the Big Pilot's Watch Calibre 52 T.S.C. It has remained the most voluminous wristwatch built in Schaffhausen to this day. In 1946, the 89 calibre, the first design to come from IWC's Technical Director of the time, Albert Pellaton, made a deep impression with its exceptionally precise rate. This was also the movement found in the legendary Pilot's Watch Mark 11 from 1948 onwards. Pellaton's masterpiece – IWC's first automatic movement featuring the winding system that still bears his name – appeared in 1950. It has been further developed and perfected over the years and features in many of the models in the latest collection. The Da Vinci, Reference 3750, was launched in 1985. Its perpetual calendar was mechanically programmed for the next 500 years. To achieve this, the calendar module developed by Kurt Klaus was superimposed on an existing chronograph movement. In the early 1990s, the engineers from Schaffhausen provided eloquent proof that they had mastered the full range

of fine watchmaking skills to perfection. The first wristwatch-size Grande Complication, Reference 3770, featuring the automatic 79091-calibre movement, made its debut in 1990. This masterpiece, comprising 659 mechanical parts, appeared in its further improved form as Il Destriero Scaufusia, Reference 1868, on the occasion of the company's 125th jubilee. In 2000, following six years' development, the in-house 5000 calibre heralded IWC's return as a manufacturer of top-quality watch movements. The large calibre, with its 7-day movement and automatic Pellaton winding system, was the foundation for the 50000-calibre family, which is used today mainly to power the Portugieser and Pilot's Watch families. In 2005, the Ingenieur Automatic fitted with the 80110 calibre, marked the entrance of the new and unusually rugged 80000-calibre family. At the same time, IWC Schaffhausen was working on its in-house 89360 calibre, which was first used in the Da Vinci Chronograph in 2007. From 2009 onward, a further-developed version, the 89800 calibre, became the driving force behind the first digital display of the day and date in large numerals. The 59000-calibre family, which is found in the Portofino Hand-Wound Eight Days, appeared in 2011. That same year, the new 94000-calibre family with manual winding and a constant-force tourbillon, marked another highlight in the fine art of watchmaking. The IWC-manufactured 94900 calibre requires the power of two separate barrels to drive a timepiece that is currently one of the world's most complex, the Portugieser Sidérale Scafusia. In 2015, the new 52000-calibre family burst on the scene with a host of technical innovations and new design elements.



## 52000-CALIBRE FAMILY



### 52000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
52010	7.5 mm	37.8 mm	28,800 A/h/4 Hz	31	S	7 days	X		5007
52610	9.0 mm	37.8 mm	28,800 A/h/4 Hz	54	S	7 days	X	Perpetual calendar	5033, 5038
52615	9.0 mm	37.8 mm	28,800 A/h/4 Hz	54	S	7 days	X	Perpetual calendar, double moon phase	5034
52850	9.0 mm	37.8 mm	28,800 A/h/4 Hz	36	S	7 days	X	Annual calendar	5027, 5035

<sup>a)</sup> A/h = alternances à l'heure = beats per hour    <sup>b)</sup> S = self-winding, H = hand-wound

## 50000-CALIBRE FAMILY



## 59000-CALIBRE FAMILY



### 50000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
51111	7.6 mm	37.8 mm	21,600 A/h/3 Hz	42	S	7 days	X		5009, 5020
51614	9.1 mm	37.8 mm	21,600 A/h/3 Hz	62	S	7 days	X	Perpetual calendar, double moon phases	5029
51900	8.9 mm	37.8 mm	19,800 A/h/2.75 Hz	44	S	7 days	X	Tourbillon, retrograde date	5046

### 59000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
59210	5.8 mm	37.8 mm	28,800 A/h/4 Hz	30	H	8 days	X		5101
59215	5.8 mm	37.8 mm	28,800 A/h/4 Hz	30	H	8 days	X		5103
59220	7.3 mm	37.8 mm	28,800 A/h/4 Hz	30	H	8 days	X	Day & Date	5162
59360	7.6 mm	37.8 mm	28,800 A/h/4 Hz	36	H	8 days	X	Monopusher	5151

<sup>a)</sup> A/h = alternances à l'heure = beats per hour    <sup>b)</sup> S = self-winding, H = hand-wound

## 80000-CALIBRE FAMILY



## 89000-CALIBRE FAMILY



### 80000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
80110	7.3 mm	30 mm	28,800 A/h/4 Hz	28	S	44 h	X		3224, 3225, 3580

### 89000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
89361	7.5 mm	30 mm	28,800 A/h/4 Hz	38	S	68 h	X	Chronograph, flyback function	3785, 3904, 3905
89365	7.5 mm	30 mm	28,800 A/h/4 Hz	35	S	68 h	X	Chronograph, flyback function	3795
89760	8.5 mm	30 mm	28,800 A/h/4 Hz	39	S	68 h	X	Chronograph, flyback function, time zone function	3950
89801	9.9 mm	37 mm	28,800 A/h/4 Hz	51	S	68 h	X	Chronograph, digital perpetual calendar, flyback function	3791, 3972
89802	9.9 mm	37 mm	28,800 A/h/4 Hz	51	S	68 h	X	Chronograph, digital perpetual calendar, flyback function	3792

<sup>a)</sup> A/h = alternances à l'heure = beats per hour    <sup>b)</sup> S = self-winding, H = hand-wound

## 94000-CALIBRE FAMILY



## 98000-CALIBRE FAMILY



### 94000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
94800	7.7 mm	37.8 mm	18,000 A/h/2.5 Hz	43	H	96 h		Double moon phases, constant-force tourbillon	5900
94900	11.8 mm	37.8 mm	18,000 A/h/2.5 Hz	56	H	96 h	X	Astronomical display, constant-force tourbillon	5041

### 98000-CALIBRE FAMILY

Calibre	Height	Diameter, basic movement	Frequency <sup>a)</sup>	Jewels	Winding <sup>b)</sup>	Power reserve	Date	Special features	References
98300	4.7 mm	37.8 mm	18,000 A/h/2.5 Hz	18	H	46 h			5104
98900	4.7 mm	37.8 mm	28,800 A/h/4 Hz	21	H	54 h		Tourbillon	5463
98950	8.9 mm	37.8 mm	18,000 A/h/2.5 Hz	52	H	46 h		Minute repeater	5449

<sup>a)</sup> A/h = alternances à l'heure = beats per hour    <sup>b)</sup> S = self-winding, H = hand-wound





MANUFACTURE

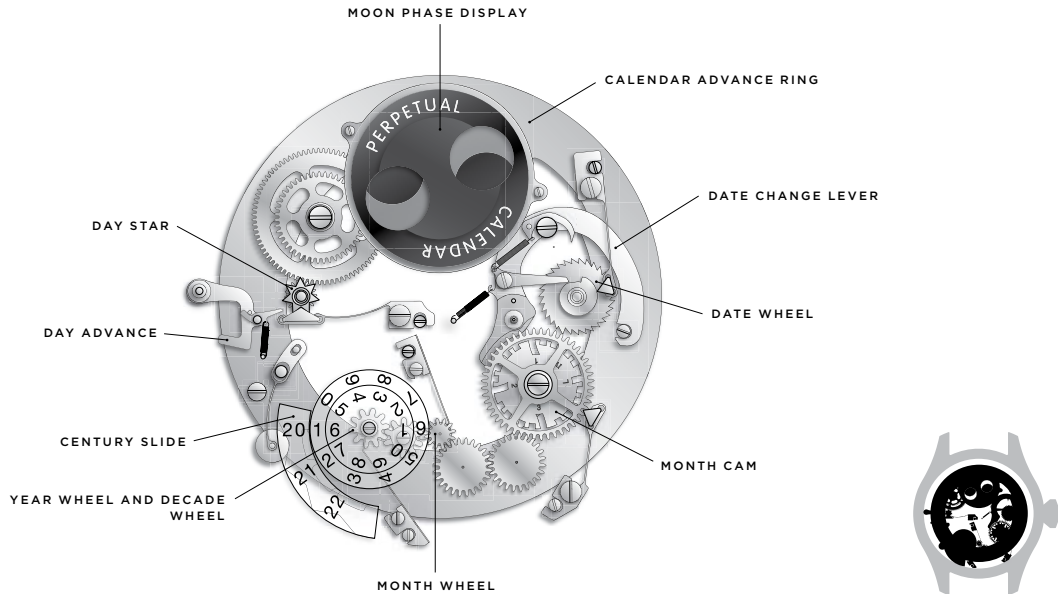
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## IWC COMPLICATIONS: MASTERPIECES OF HAUTE HORLOGERIE

IWC entered the world of independent complications in 1977: its first truly complicated timepiece was the Lépine open-face pocket watch with a calendar and moon phase display. Many other complications from IWC followed directly. In 1985, IWC presented the invention of the century: the perpetual calendar from Kurt Klaus. Five years later, the company's engineers went one better with the Grande Complication. With 20 functions and displays, it brought together almost every complication worthy of the name. In 1992, IWC unveiled its first split-seconds mechanism and, just a year later, the greatest of all complications, the minute tourbillon. On the occasion of the company's 125th jubilee, it was part of a great feat of watchmaking limited to just 125 watches: Il Destriero Scafusia. In 1998, Kurt Klaus developed an unusually user-friendly world time module for the first UTC Pilot's Watch, which was further improved for the Pilot's Watch Worldtimer and again for the Ingenieur Dual Time in the current collection. After ongoing improvement, the

mechanical depth gauge first presented in 1999 is now to be found in the Aquatimer Deep Three from the Aquatimer collection. In 2009, IWC revived the tradition of the digital display first used in 1884 and unveiled date and month displays with large digits. The company finally reached the zenith of haute horlogerie in 2011 with the Portugieser Sidérale Scafusia, which features, among other things, a patented constant-force tourbillon, sidereal time display and sunrise and sunset time displays, together with a rotating sky disc with around 1,000 stars on the reverse side of the watch. In 2015, IWC unveiled its first watch with an annual calendar. And now IWC Schaffhausen celebrates the launch of three new complications. In the Timezoner, a single twist of the rotating bezel sets the hour wheel, 24-hour display and date advance wheel to a different time zone. The mono-pusher enables the chronograph to be started, stopped and reset using a single, multifunctional push-button. And the Day & Date complication combines the big date with the day display.

## ANALOGUE DATE AND MOON PHASE DISPLAY



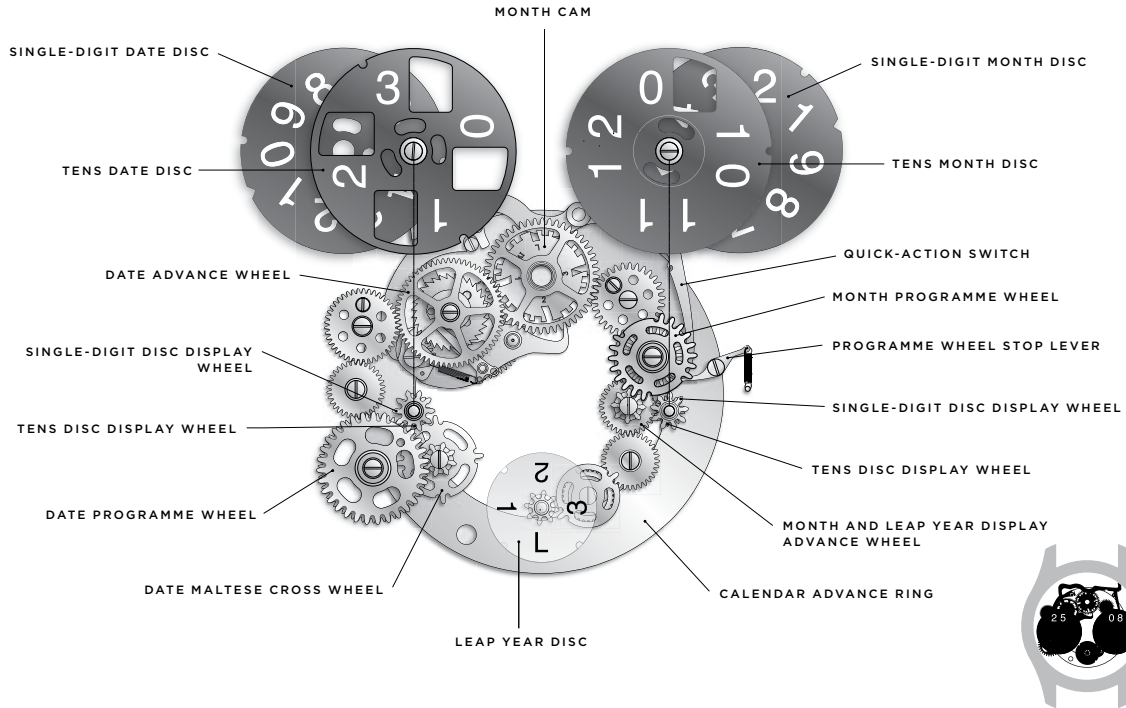
*The calendar module for the Big Pilot's Watch Perpetual Calendar TOP GUN. After 25.2 billion beats, the century slide moves through 26 degrees or 1.2 millimetres*

————— Analogue date displays with hands have a long tradition in IWC watches featuring perpetual calendars. In the case of the Big Pilot's Watch Perpetual Calendar TOP GUN, for instance, the date, day and month are to be found on three subdials and, thanks to the clear layout, are extremely easy to read.

The classic moon phase display with discs is usually found at "12 o'clock". The Ingenieur Constant-Force Tourbillon is one excep-

tion and displays the double moon at approximately "1 o'clock". The moon phase display used in the Portugieser Grande Complication is astonishingly accurate and deviates by just 0.002 percent, or 1 day, in 122 years. The Portugieser Perpetual Calendar is even more precise. Larger moon phase wheels with different numbers of teeth reduce the deviation so drastically that a future inheritor of the watch would theoretically need to take it to a watchmaker to have it adjusted by only 1 day after 577.5 years.

## DIGITAL DATE DISPLAY



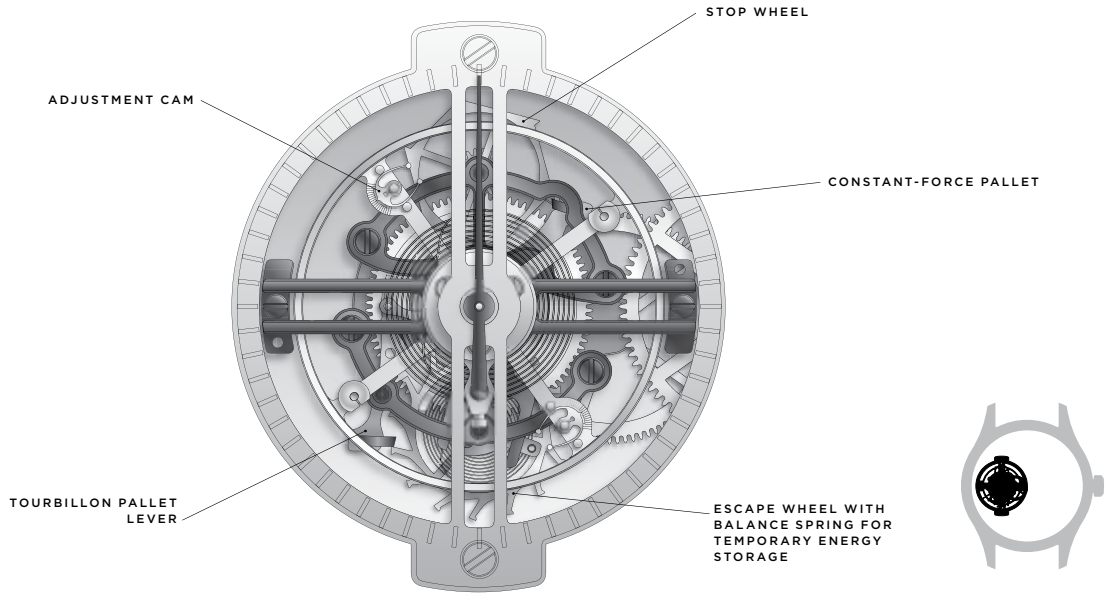
*The Pilot's Watch Perpetual Calendar Digital Date-Month Spitfire shows the day and month in large numerals*

IWC produced the first “digital” watches in its history as early as 1884. These timepieces, known as Pallweber watches, displayed the hours and minutes using numerals, while the seconds were shown in analogue form with a hand. The digital calendar from IWC shows not only the date but also the month in large numerals. The energy required to advance the month display discs is built up continuously throughout the month by a quick-action switch. A spring-loaded lever

on the quick-action switch is lifted a tiny bit further each day by a cam. At the end of the month, the tension in the spring has reached its maximum, and it is time for all that energy to be released; the quick-action switch jumps instantaneously to its starting position and advances both of the month display discs individually, or together, by one position, depending on the month. On 31 December, the leap year disc is also advanced at the same time.



## CONSTANT-FORCE TOURBILLON

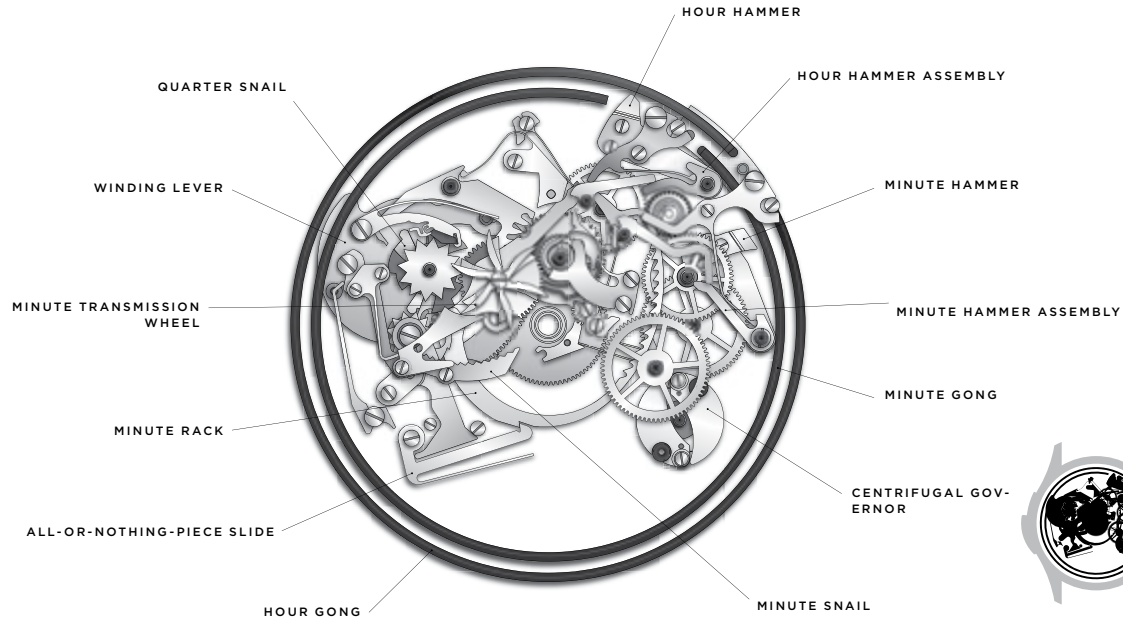


*The constant-force tourbillon elegantly combines two complications that serve to improve the watch's accuracy*

For the Portugieser Sidérale Scafusia and the Ingenieur Constant-Force Tourbillon, IWC has integrated a patented constant-force mechanism into a tourbillon. It ensures that the amplitude of the balance – and thus the watch's accuracy – remain absolutely constant, initially by disconnecting the escapement from the direct flow of energy generated by the gear train. The energy is stored temporarily in an additional balance spring from where it is transferred to the escape wheel. The bal-

ance spring is put under tension once a second and, in the process, the seconds hand in the tourbillon advances in one-second jumps. This ensures an extremely regular and precise rate over a period of at least 48 hours. After approximately 2 days, the movement switches from constant-force mode to normal mode, as can be seen from the second hand, which now starts to advance at intervals of one-fifth of a second.

## MINUTE REPEATER

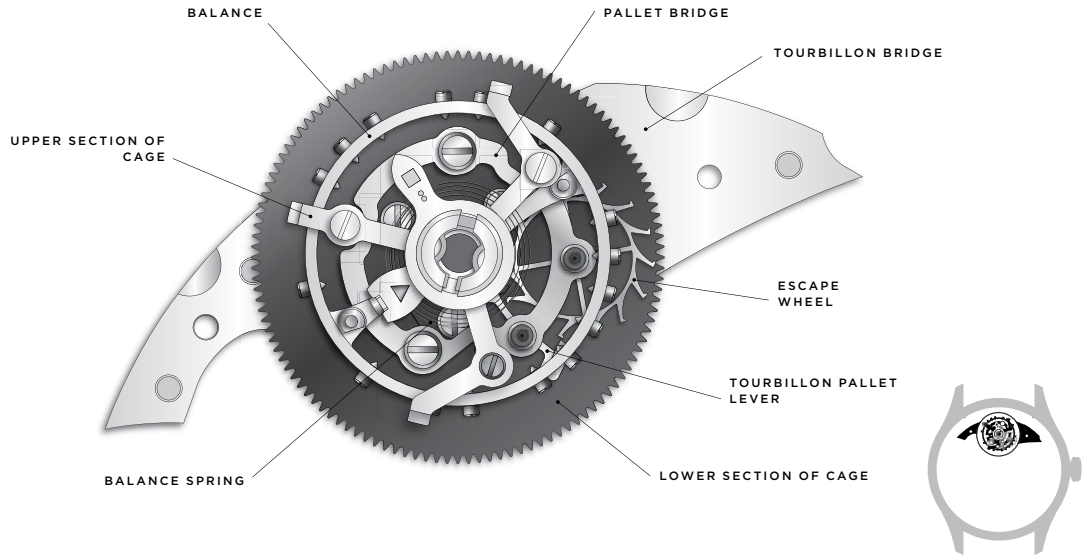


*The minute repeater chimes out the time in hours, quarters and minutes whenever required*

It took 50,000 hours to develop the highly complex minute repeater strike train for the Grande Complication and the Portugieser Minute Repeater. It is operated by an eye-catching repeating slide on the left-hand side of the case and chimes out the time in crystal-clear tones: the hours on the lower-pitched of the two gongs, followed by a double strike on both gongs for the quarters and finally a single strike on the

higher-pitched gong for the minutes. Each gong is individually handmade and then carefully tuned for pitch and tonal purity. The all-or-nothing-piece slide, as it is known, ensures that the mechanism will never chime out an incomplete – and thus incorrect – series of acoustic tones even if the repeating slide is released too early.

# TOURBILLON

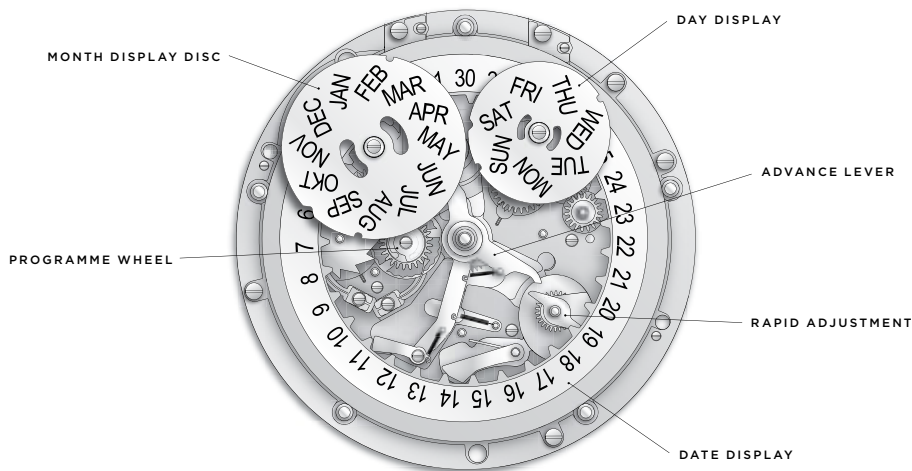


*The tourbillon offsets gravitational errors by rotating around its own axis once every minute*

————— The tourbillon – or, as it literally translates, the “whirlwind” – has long been considered the ultimate achievement in mechanical watchmaking. Originally, this most exclusive of all watch complications was intended to offset the gravitational error inevitable in an oscillating system with a balance. The solution: to put the balance, pallet and escape wheel in a tiny

..... cage that would then rotate around its own axis once every minute. The construction of this mechanism represents an enormous watchmaking challenge, and results in a filigree work of art consisting of 82 parts. In the new Portugieser Tourbillon Mystère Rétrograde, the tourbillon at “12 o’clock” appears to come alive and is the focal point of the entire dial.

## ANNUAL CALENDAR



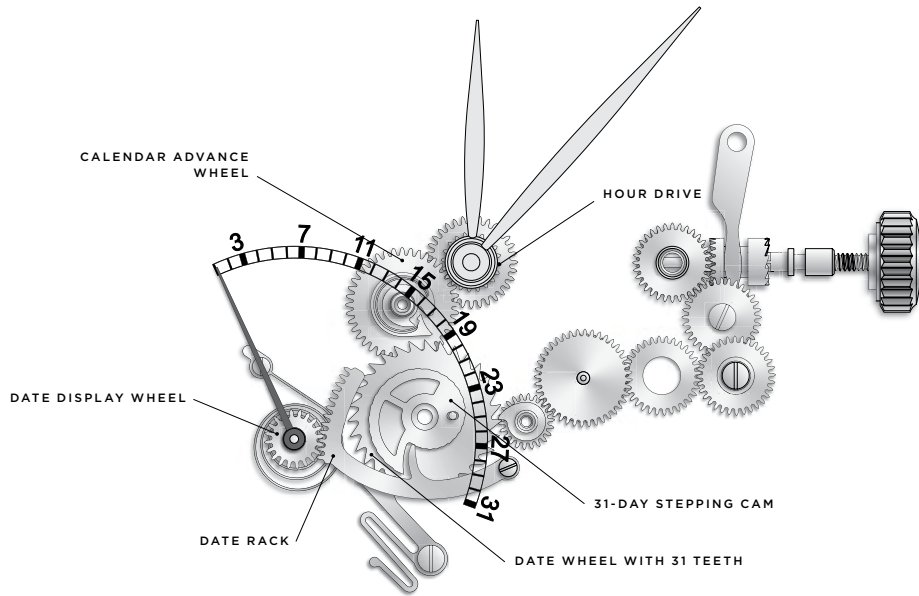
*Located at "12 o'clock" on the dial, IWC's annual calendar shows the month, date and day in three separate windows*

————— The hour wheel sets in motion the date advance wheel, which is equipped with two different advance fingers. One of the fingers is responsible for the date and month displays, the other for the weekday. Every night, at midnight, the date is moved forward with the help of the upper advance finger. The month display and the programme wheel that defines the various lengths of the months are controlled by two pins on the date disc. The first of these pins advances the programme wheel by one division. Thirty-day months are recognized by a

feeler on the advance lever. The feeler registers a deeper insert on the programme wheel and makes more space available for the advance. The following day, the advance lever ensures that the date moves forward by 2 days. The mechanism automatically takes into account the differing lengths of individual months but not the leap days in February or the leap years. Once a year, then, at the end of February, it requires manual correction via the crown.



## RETROGRADE DISPLAY

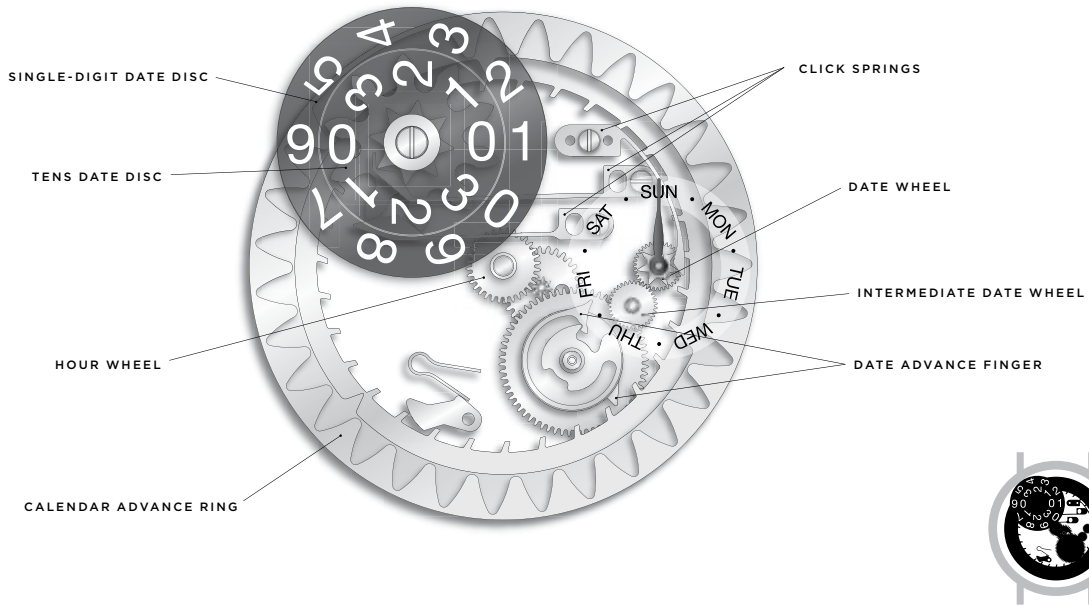


*The spring of the date display wheel is tightened via the snail-shaped cam and its rack. After the 31 days have elapsed or – as shown here – on activation of the rapid-advance mechanism via the crown, the feeler on the rack jumps from the outer to the inner surface of the cam. The spring is no longer under tension and allows the date hand to jump back to “one”*

————— In the retrograde date display, the hand jumps back automatically to “one” after the 31st of the previous month, which explains the complication’s name. In months with fewer than 31 days or when the watch has not been used for a

while, the date display can be advanced rapidly using the crown and jumps back to the first of the month. This does not involve resetting the time.

## DAY & DATE DISPLAY

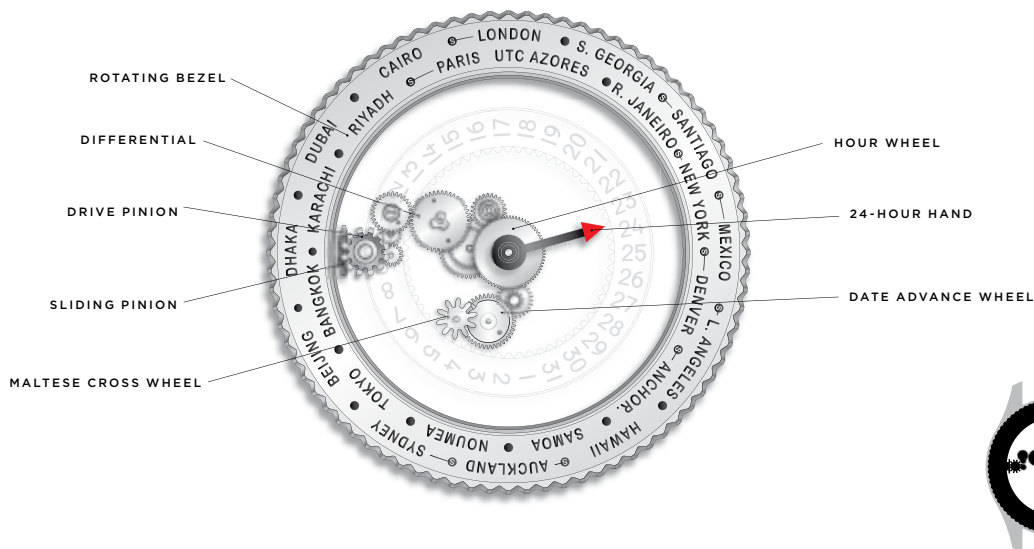


*The Portofino Hand-Wound Day & Date combines the large date with the day display and considerably increases the watch's practical use*

While one of the discs indicates the tens of the months on a disc with figures from 0 to 3, the second one shows the single digits from 0 to 9. The additional day display is linked to the date advance. The date advance wheel and

the date advance finger mounted on the wheel drive the large date and the day display. The date and day displays are set via the crown. The big date is corrected by rotating in one direction, and the day of the week by rotating in the other.

# TIMEZONER

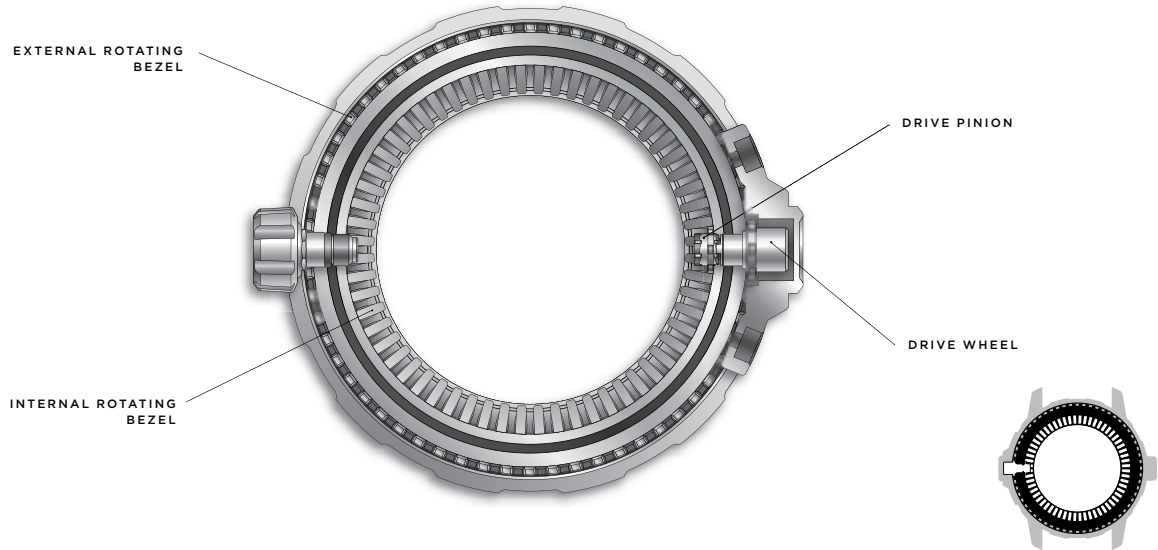


*A simple twist is all it takes to set the watch for another time zone:  
press the rotating bezel, turn it to the desired time zone, and release*

The names of 24 cities are shown on the rotating ring, with each name standing for one of the international time zones. The countries with daylight saving time are identified on the rotating bezel by a small "s". The "UTC" inscription below "London" represents the current coordinated world time. The rotating bezel (city ring) currently shows London standard time, 5 a.m. (24-hour display); it is the 25th of the month (date display). To set the watch to a new time zone, press the rotating bezel with your thumb and index finger, turn the desired time zone to "12 o'clock" (during summertime to the small "s" before the name of the city) and release. It is important to exert pres-

sure on the bezel on two opposite sides to release the locking mechanism cleanly and move the bezel in both directions. The movement of the rotating bezel is transmitted to the hour wheel, the 24-hour hand and the date advance wheel, with the result that all three displays are advanced or turned back an hour at a time. The differential gearing (in the wheel train between the rotating bezel and hour wheel) is the heart piece of the mechanism. It ensures that the hour hand continues to move forwards and enables the one-hourly jumps when the time zone is changed.

## EXTERNAL/INTERNAL ROTATING BEZEL



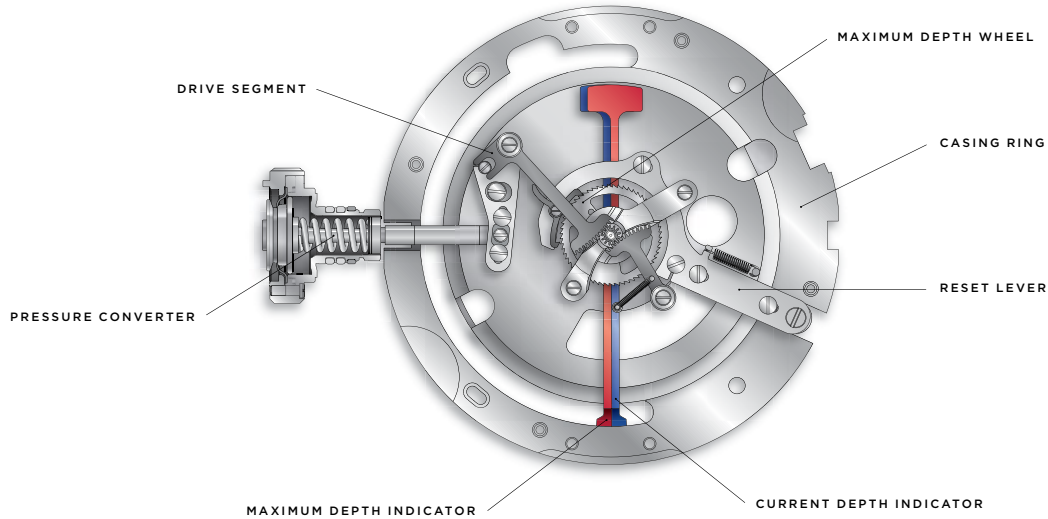
*The SafeDive system combines the advantages of an internal rotating bezel, which protects the mechanism against saltwater, dirt, etc., with the ease of use of an external rotating bezel, which engages precisely in one-minute steps. For safety reasons, the internal bezel only moves anticlockwise. If it is accidentally moved during a dive, the indicated start time is always earlier than the actual time and it is thus not possible to exceed the calculated dive end time*

————— The rotational movement of the external rotating bezel is transmitted to the drive wheel through a crown wheel train. This conducts the rotational movement via an arbor to the inside of the case. If the external rotating bezel is rotated in an anticlockwise direction, the drive disc engages with the drive pinion. The pinion rotates the internal rotating bezel in an anticlockwise direction via a second crown wheel train in a fash-

ion similar to the external rotating bezel. When the external rotating bezel is turned in a clockwise direction, the click-stop holds the drive pinion in position, and, at the same time, the drive disc glides over the saw-shaped tooting of the drive pinion. The internal rotating bezel remains positioned precisely to the minute. Two sealing elements in the sliding clutch system prevent the penetration of water and sand.



## DEPTH GAUGE

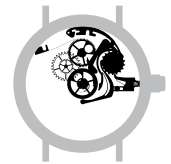
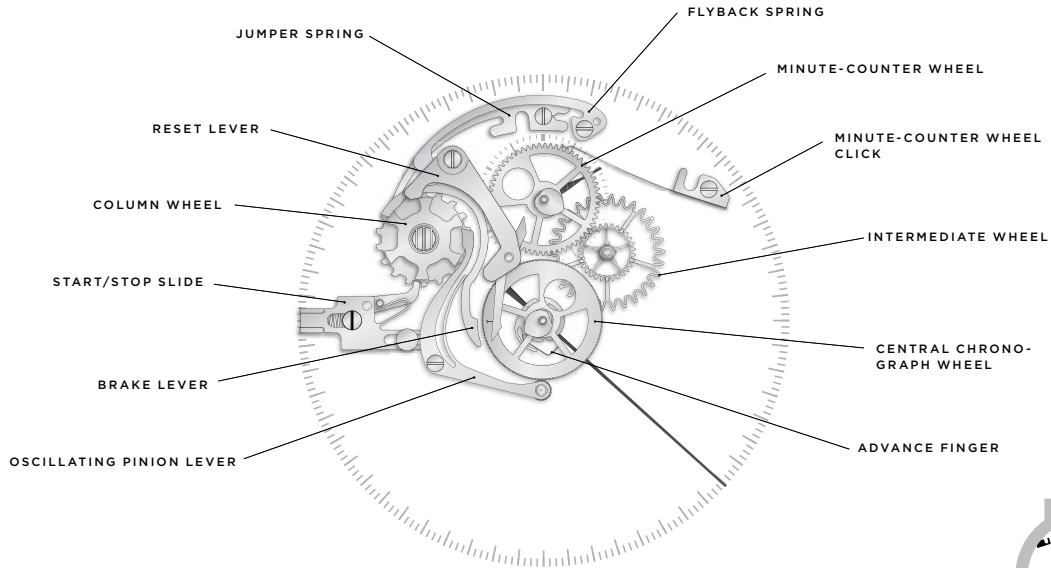


*With its depth gauge mechanism, the Aquatimer Deep Three is able to display the current and the maximum depth during a dive (down to 50 metres)*

The pressure-metering system of the further-developed depth gauge mechanism is housed in a pressure converter on the left-hand side of the case. Water pressure acts on a spring membrane via the pressure converter and pushes a shaft towards the interior of the case. This movement is transmitted through a system of levers and moves the gauge's two

indicators at the centre of the watch. While the blue depth indicator moves to show current dive depth, the red maximum depth indicator remains at the maximum depth attained in the course of the dive; a pawl prevents it from returning to its original position. The maximum depth indicator can be reset to zero by pressing a push-button.

# MONOPUSHER



*The monopusher enables the chronograph to be started, stopped and reset to zero using a single multifunctional push-button*

Pressing the button in the crown once starts the seconds and minutes hand. Pressing on the start/stop slide causes the column wheel to rotate. The outer edge of the wheel controls the sequence of movements in the flyback, oscillating pinion and brake levers. The oscillating pinion engages with the central chronograph wheel and, with that, starts measuring the time. When the button is pushed for the second time, the chronograph stops, the brake lever holds the central

chronograph wheel in position and the oscillating pinion disengages from the central chronograph wheel. When the button in the crown is pushed for the third time, the seconds and minute hands are reset to zero. At the same time, the reset lever presses on the cams for the minute-counter wheel and the central chronograph wheel, returning the display to its original position.

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# IWC CASES: EXQUISITE MATERIALS AND EFFECTIVE PROTECTION

## CASE MATERIAL

Only the very finest metals are used in IWC watch cases. Of all these, platinum, a discreet, rare and heavy metal with a fineness of 95 percent, is the purest.

Gold, timeless and of lasting value, is the embodiment of luxury and elegance. For its gold cases, IWC uses 18-carat gold, containing 75 percent of the pure metal. Since pure gold would be too soft for use in a watch case, it is alloyed with other metals, which also gives it the desired colour: palladium for white gold, or silver and copper for red gold. Stainless steel is an extraordinarily robust material and, when used in IWC cases, exceptionally resistant to corrosion.

In 1980, IWC became the first watchmaking company to launch a chronograph in a titanium case. Apart from their attractiveness as design features, titanium and titanium alloys are particularly suitable for cases and bracelets because they weigh approximately 50 percent less than stainless steel and are totally corrosion-resistant, very hypoallergenic and nonmagnetic. The new Big Pilot's Heritage Watch 55 and Big Pilot's Heritage Watch 48 are equipped with a titanium case. IWC also pioneered the use of ceramic for the watch industry and, in 1986, released the first Da Vinci in a coloured zirconium oxide case. No other group of materials is able to withstand such high temperatures or such mechanical and chemical extremes. And in 2013, IWC first used titanium aluminide (TiAl) as a case material. This alloy of titanium and aluminium is lighter and tougher than pure titanium and has a darker surface colour.

Another new addition in 2013 was carbon, a high-tech material that is widely used in motor racing and is not only extremely light but also very robust. In 2014, IWC used bronze as a case material for the first time ever. That same year, IWC unveiled yet another new material: the case of the Pilot's Watch Chronograph Edition "The Last Flight" is made of extremely light and at the same time robust silicon nitride ceramic. With similar impact resistance qualities, it is only half the weight of zirconium oxide and even lighter than titanium.

## PROTECTION AGAINST MAGNETIC FIELDS

Many models from the Pilot's Watches and Ingenieur families provide the movement with optimum protection against the effects of external magnetic fields in the form of a soft-iron inner case. The dial, casing ring and inner back plate are made from iron and are particularly adept at conducting magnetic flux lines around the movement. This ensures that the watch's rate remains as accurate as possible even in magnetic fields.

## WATER-RESISTANCE

The glass, case, seals and back cover of the watch offer effective protection against water, dust and other external influences. The water-resistance of IWC watches is shown in bar and not in metres. By way of explanation: an IWC watch with an indicated water-resistance of 1 bar is protected against water splashing. With water-resistance of 3 bar, the watch can be worn when swimming or skiing, and at 6 bar it will have no problem with water sports or snorkelling. Diver's watches with an indicated

water-resistance of 12 to 20 bar are professional measuring instruments designed for scuba-diving. Special diver's watches resistant to 100 bar or, as in the case of the Aquatimer Automatic 2000, 200 bar, are suitable even for deep-sea diving.

## GLASSES

IWC attaches enormous importance to the suitability of its watches for everyday use. For this reason, the material exclusively used in its current models for front glasses and see-through back

covers is sapphire glass. With a hardness of 9 on the Mohs' scale, it is harder than any other type of glass and topped only by diamond. The glass is made of synthetically manufactured sapphire, which makes it extremely scratch-resistant and less sensitive to impact than quartz (Mohs 7) or apatite (Mohs 5). Many of the sapphire glasses are convex. There are some case designs for which IWC uses convex glass with a distinctly arched edge (also known as "crossed-out" glass). The antireflective coating reduces glare and gives the wearer a crystal-clear view of the dial.



SINCE 1980, IWC SCHAFFHAUSEN HAS HOUSED THE MOVEMENTS OF SELECTED MODELS IN A TITANIUM CASE. THIS HIGH-TECH MATERIAL WAS ALSO USED FOR THE INGENIEUR DOUBLE CHRONOGRAPH. THE CASE EFFECTIVELY PROTECTS THE MOVEMENT EVEN IN EXTREME SITUATIONS



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## IWC BRACELETS AND STRAPS

The elegant alligator leather and calfskin straps made exclusively for IWC by Italian shoe manufacturer Santoni are among the finest work of their artisan craftsmen. One of the secrets of Santoni's success is the nuanced shading of the leather. Elaborately finished by hand, every single strap has an exquisite patina-like shimmer with its own individual colour tones. The technique makes leather look as if it had already been lovingly cared for over a period of several years despite the fact that it is brand new. To achieve this effect, the surface of the leather is polished with a variety of different pastes until it has the desired shading and a perfect sheen. Another hallmark Santoni feature is the orange lining on the inner surface of the strap.

The Portofino 37 mm models are available optionally with Santoni alligator leather straps or high-quality Milanese bracelets in stainless steel or 18-carat red gold in an elegant sixties-inspired style. New to the IWC range in 2016 are straps made of em-



bossed calfskin that are reminiscent of the green textile strap style echoed in the nylon straps used for many years with the Mark 11. Now the calfskin straps are reserved for the TOP GUN line and the TOP GUN Miramar models. Embossed calfskin is more resilient and considerably more rugged than nylon.

IWC metal bracelets have a mechanism that permits wearers to adjust the length of the bracelet themselves by adding or removing individual links. The metal bracelets found on the Pilot's Watches and the Ingenieur Chronograph Racer are equipped with a special fine-adjustment clasp that enables the wearer to slightly alter the length of the bracelet at any time. All it requires is gentle pressure on the button with the IWC logo at the centre of the cover on the clasp and a slight tug or push on the bracelet. This is an easy way to compensate for slight variations in wrist girth and makes the watch more comfortable to wear. New this year are the elegant luxury stainless-steel bracelets found on some of the Pilot's Watches: three rows of links are satin-finished and two polished, giving the bracelet a high-quality feel.

The patented IWC bracelet quick-change system for the new Aquatimer collection makes changing from a steel bracelet to a rubber strap or vice versa quick and simple. The bracelet is pushed into the locking bar from the top and engages audibly. To release, press the lever on the underside of the bracelet outwards with your thumb and push the bracelet upwards.



A selection of alligator leather straps from Santoni

— 1868 —

# THE COMPANY'S FOUNDATION



AN F. A. JONES CALIBRE, NAMED AFTER IWC'S FOUNDER, CIRCA 1875

Roaring masses of water plunge over the rocky cliffs that make up the world-famous Rhine Falls. A few kilometres upstream, in Schaffhausen, the Rhine glides at a leisurely pace past the workshop windows of IWC. Here, over 140 years ago, a company began a story that is still being written today.

American engineer and watchmaker Florentine Ariosto Jones learnt the watchmaker's trade from scratch. While still a young man, he was appointed deputy director and production manager of the E. Howard Watch & Clock Company in Boston, which was then a leading American watchmaker. At that time, the American market appeared to have a virtually insatiable hunger for quality watches and its production methods were among the most modern in the world. What it lacked was skilled, qualified local labour and this led to rising wages. By contrast, the conditions prevailing in Switzerland for American watch manufacturers were almost perfect: low wages, a plentiful supply of skilled craftsmen and enormous production capacity. At the tender age of 27, Jones crossed the Atlantic Ocean, planning to combine the excellence of Switzerland's craftsmen with modern engineering from abroad and a generous helping of pioneering spirit in order to make top-quality watches for the American market. The locals in Geneva and the remote valleys of the Jura in French-speaking Switzerland, however, reacted sceptically to his proposal. Since the 17th century, they had been working from their homes or in tiny workshops. Jones, on the other hand, was dreaming of building a modern factory with centralized production.

At this time, Schaffhausen, at the north-eastern tip of the country, could look back on a long watchmaking tradition. The first mechanical clock ever mentioned in the records was made way back in 1409 at the Rheinau monastery, 10 kilometres further down the Rhine. It had been produced for the Church of St. John in Schaffhausen. There are also official records of a clockmakers' guild in the town from 1583, and it was home to the famed Habrecht family of clockmakers, who built one of history's most outstanding astronomical clocks for Strasbourg Cathedral. Nevertheless, it was Jones's plan to manufacture relatively large numbers of high-quality watches internally to precisely the same

## PRECISELY THE RIGHT PLACE AND THE RIGHT TIME FOR THE MAN FROM BOSTON

tolerances, which enabled the watches made in Schaffhausen to become famous all over the world.

In Schaffhausen, Jones found all he needed to turn his plans into reality, including a hydro station powered by the Rhine. The energy it harnessed was transmitted directly, via shafts and long cables, to the newly built factory and supplied the power needed to drive the machines. The railway line to Schaffhausen had been completed in 1857, so it was no wonder that the town was enjoying an economic boom. For the man from Boston, it was a case of being in precisely the right place at the right time and, in 1868, F. A. Jones founded his watch company: the International Watch Co. (IWC).



Watch assembly at IWC circa 1900: watchmaking has always demanded the same all-round expertise and manual dexterity

— 1868 UNTIL TODAY —

# CHRONOLOGY



EARLY IWC POCKET WATCH WITH F. A. JONES CALIBRE





— 1868 —

Florentine Ariosto Jones (1841–1916), a watchmaker from Boston, Massachusetts, founds the International Watch Company in Schaffhausen. His aim: to produce high-quality pocket watches for the American market.

— 1884 —

In its workshops in Schaffhausen, IWC produces its first Pallweber-design watches, which shows the hours and minutes as digits.

— 1899 —

One of the first well-known wristwatches from Schaffhausen leaves the factory. IWC's small 64-calibre ladies' pocket watch movement is housed in a dainty case fitted with lugs for the strap.

— 1915 —

Two newly developed calibres, the 75 and the 76, are the first movements designed by IWC specifically for wristwatches.

— 1936 —

The first IWC Special Pilot's Watch is launched. It features a rotating bezel with an arrowhead index that can be used to register take-off times. The watch is also fitted with an antimagnetic escapement.

— 1939 —

The birth of the Portugieser watch: two importers from Portugal order a series of large wristwatches with high-precision pocket watch calibres.

— 1940 —

In response to demand, IWC develops the Big Pilot's Watch Calibre 52 T.S.C. with a central seconds hand. Its black dial references the design of cockpit instrumentation and influences the subsequent instrument look of Pilot's Watches.



— 1944 —

The launch of IWC's first W.W.W.: a new wristwatch for military use by the British Army. The letters W.W.W. engraved on the back of the case stand for "Watch, Wrist, Waterproof", and the royal arrowhead insignia is used as a mark of ownership. Albert Pellaton, born in 1898, takes up his post as Technical Director at IWC.

— 1946 —

Pellaton's first design, the 89-calibre movement, has a central seconds hand and is extremely accurate.



— 1948 —

Launch of the Pilot's Watch Mark 11 from IWC with the 89 calibre. Its soft-iron inner case provides unusually high protection against magnetic fields.

— 1950 —

The 85 calibre, designed by Albert Pellaton, features IWC's first automatic winding mechanism. The innovative pawl-winding system replaces the traditional reciprocal gearing and, at this time, is a patented proprietary development by IWC.

— 1955 —

Hans Ernst Homberger becomes the company's last private owner. The Ingenieur with Pellaton automatic winding is launched.



— 1967 —

The launch of IWC's Aquatimer marks the beginning of a successful series of diver's watches. Pressure-resistant to an unprecedented 20 bar, it is the watch of choice for professional underwater use. The Yacht Club Automatic is unveiled at the Swiss Watch Show in Basel.

— 1976 —

With the new Ingenieur SL, IWC takes the Ingenieur tradition a step further. The watch is designed by Gérald Genta.

— 1978 —

The cooperation with designer Ferdinand A. Porsche results in the first wristwatch with a built-in compass. That same year, German instrument manufacturer VDO Adolf Schindling AG acquires IWC.

— 1980 —

IWC produces the world's first chronograph in a titanium case, designed by Ferdinand A. Porsche. IWC procures its expertise in the machining of titanium through an exchange of ideas with Aérospatiale and other leading technology specialists.



— 1984 —

The Portofino watch line brings a touch of Italian flair to the IWC collection. The Reference 5251 inspired the new watch family.

— 1985 —

The Da Vinci is the first IWC chronograph with a perpetual calendar that is mechanically programmed for the next 500 years and can be set and corrected using just the crown. Another exclusive feature: the year is shown in four digits.

— 1986 —

IWC begins to use zirconium oxide, a scratch-resistant ceramic virtually unaffected by wear and tear, as a new case material.



— 1987 —

With its Novecento (Italian for “20th century”) the Schaffhausen-based company presents the first rectangular, water-resistant and automatic IWC watch with a perpetual calendar.

— 1989 —

Tested in a magnetic resonance tomograph, the antimagnetic protection of the Ingenieur Automatic “500,000 A/m” withstands no fewer than 3.7 million A/m.

— 1990 —

A quantum leap in haute horlogerie: the wristwatch-size Grande Complication is launched with a wealth of functions: a chronograph with a perpetual calendar, minute repeater and moon phase display.

It is a masterpiece that was seven years in the making.

— 1993 —

To mark its 125th anniversary, the Schaffhausen-based watch manufacturer produces what was then the world’s most complicated mechanical wristwatch: Il Destriero Scafusia, “The Warhorse of Schaffhausen”. The exclusive timepiece features a tourbillon, split-seconds chronograph, minute repeater and perpetual calendar, as well as many other complications. That same year, in a limited series, IWC revives the tradition of the large-calibre Portugieser wristwatches.



— 1994 —

The Pilot’s Watch Mark XII maintains the tradition of the legendary Mark 11.

— 2000 —

With the extra-large 5000 calibre, which runs for seven days and features a power reserve display and a Pellaton automatic winding system, IWC’s designers develop the company’s own movement for large wristwatches. IWC is acquired by Richemont.



— 2002 —

IWC revives its Big Pilot’s Watch tradition and unveils the Big Pilot’s Watch with a 7-day movement, automatic winding system, power reserve display and date display.

— 2004 —

IWC relaunches the Aquatimer watch family. The new Portugieser Automatic embarks on a successful career that has lasted to this day. New models are also added to the Da Vinci and Portofino lines.

— 2008 —

On the 140th anniversary of its foundation, IWC pays homage to the legendary founders of its six watch families in an exclusive IWC Vintage Collection. The West Annexe, built for the company's watchmakers in the same style as the East Annexe, is completed.



— 2013 —

The completely overhauled Ingenieur collection is inspired by IWC's new cooperation with the MERCEDES AMG PETRONAS Formula One™ team. Case materials such as titanium aluminide, carbon, ceramic and titanium are inspired by the range of materials used in FORMULA ONE.



— 2014 —

The new Aquatimer generation, with an innovative external/internal rotating bezel, is rolled out. It combines the advantages of an inner rotating bezel with the ease of use of an external rotating ring.

— 2015 —

The newly designed IWC-manufactured 52000-calibre family, which is used in the Portugieser collection, sets new technical and aesthetic standards. The annual calendar and the digital calendar are adopted for use in the Portugieser line.



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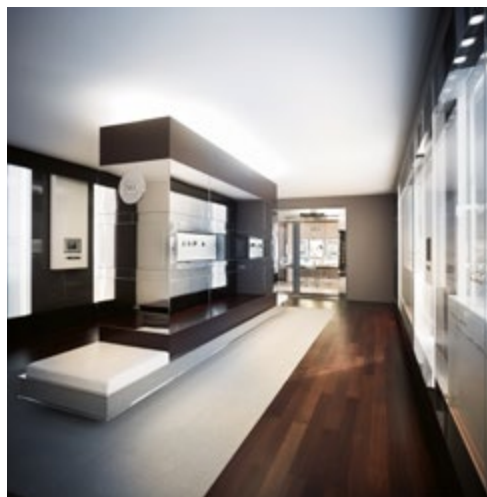
## WATCH MUSEUM: PLUNGING INTO THE WORLD OF IWC

For watch lovers and IWC fans, a visit to the company's premises in Schaffhausen has long been an unforgettable and defining experience. In 2007, IWC opened its doors to visitors in a completely redesigned watch museum. The light-flooded areas on the converted ground floor of the main building – formerly the case and parts manufacturing departments – provide a luxurious and, at the same time, functional setting for over 140 years of company history and over 230 carefully selected exhibits. Since 2010, the IWC watch museum has been a member of the Association of Swiss Museums (VMS).

The tour begins in the West Annexe, where visitors can view original watches from the first 100 years of IWC. The pieces on display include valuable rarities from the history of watchmaking, including one of the very first IWC watches, an “American” hunter pocket watch with the 1874-calibre Jones movement, or the first Pallweber pocket watches with a digital display from the mid-1880s. Equally striking are the first Pilot's Watches made in the 1930s and 1940s, especially the Big Pilot's Watch launched in 1940; with a case measuring 55 millimetres in diameter, it is still one of the world's largest wristwatches. Multimedia displays and tableaux provide a detailed and multifaceted introduction to the individual exhibits.

Comfortable, lounge-style furniture with audio stations gives interested visitors an opportunity to relax and go with the flow of time as they immerse themselves in an acoustic interpretation of the past and present of luxury mechanical watchmaking. The museum's East Annexe provides a suitable home for the IWC

watch families created since 1970. Here visitors can admire milestones in modern haute horlogerie such as the first Da Vinci wristwatch to feature the first IWC 2001-calibre quartz movement (Beta 21) or the legendary Il Destriero Scafusia. IWC is always pleased to welcome interested visitors to its museum, but group visits are unfortunately not possible without advance notice in writing. We look forward to receiving your written request through: [visit@iwc.com](mailto:visit@iwc.com)



In light-flooded rooms and stylish surroundings, visitors can take an entertaining stroll through 148 years of IWC history



# FACTS AND SERVICES



————— In 25 countries around the world, over 200 watchmakers and service technicians are dedicated to the maintenance and repair of IWC watches of every vintage since the company was founded in 1868. To ensure that no single detail is lost, IWC has maintained detailed records of every watch produced since 1885. All information is noted, including sale date, calibre, material and case numbers and, in the case of newer models, the reference number. Heirs and subsequent buyers have the option of obtaining precise information about their IWC watch for a fee, thus confirming its authenticity. This and further information is provided in the form of a certificate.

#### **MAINTENANCE AND SERVICE**

At the heart of the repairs department lies the spare parts store. This accommodates millions of meticulously ordered components. At IWC, the availability of original spare parts is crucial because they are essential if watches are to be kept running for generations. In order to prevent certain moving parts from wearing as well as the natural ageing of oils and lubricants, we recommend owners to have a maintenance service carried out approximately every two years and a full service every five. The intervals between individual services vary considerably depending on how the watch is used and the conditions to which it is exposed.

#### **MAINTENANCE SERVICE**

A maintenance service involves demagnetizing mechanical movements and, in the case of quartz movements, replacing the battery. The case and metal strap components are cleaned. Readjustment of the movement, replacement of the case seals, a water-resistance test and a functional check are also included in the maintenance service.

#### **FULL SERVICE**

The full service involves dismantling the movement piece by piece and cleaning the individual components. Specialists meticulously

## **SERVICE: GENERATIONS TAKE PLEASURE IN WATCHES FROM IWC**

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examine every part of the movement and repair or replace worn or faulty parts. Subsequently, the watch is reassembled from scratch and, where necessary, oiled and lubricated. Finally, the watch's accuracy is tested and the movement is readjusted.

The case is also completely dismantled. Scratches are repaired, case and strap components are ground or polished and the angles finished and then thoroughly cleaned. Before the watch is returned to the customer, it undergoes a final intensive testing phase lasting several days. Only by going to these lengths can IWC guarantee that the watch will run accurately and remain water-resistant for years to come.

Every owner of an IWC watch can help to increase the useful service life of their timepiece. Helpful tips can be found on the IWC.com website and in our brochure "IWC Service". The latter is available at IWC boutiques and IWC service centres and from authorized retailers.



FACTS AND SERVICES

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## IWC TRAINING CENTRE: THE APPRENTICES OF TODAY ARE THE MASTERS OF TOMORROW

Ever since its foundation, IWC has been like a “watch island”, far removed from the traditional watchmaking centres of western Switzerland. This is one of many reasons why the company is both obliged and determined to make its own arrangements to ensure a steady supply of individuals skilled in the manufacture of mechanical watches. Since the late 1970s, specialists like these have been much in demand. An apprenticeship at IWC, with a diploma recognized by the Swiss federal authorities, has been a guarantee of quality at IWC since 1950. This resulted in the foundation of its own training centre for watchmaking professions in 1968. In 2015, a new set of regulations for trainees and apprentices came into force; these offer budding watchmakers more flexible opportunities. Every year, IWC trains up to 12 skilled workers. There are currently 37 trainees following seven different specialist courses.

At IWC, apprentices learn the craft of watchmaking in its many different forms. They have the choice of pursuing a three- or four-year training programme and obtaining a federal vocational education and training (VET) diploma as a watchmaker in production or a VET diploma as a watchmaker. Basically, apprentices learn all about the winding mechanism, the train and motion work and the parts of the escapement, as well as setting the spring and installing the finished balance in the watch. The watchmaker is responsible for the precision adjustment and secures the movement in the case. Apart from this, he or she learns how to service and repair a wide range of watches.

The aim is to give the young trainees as broad an introduction as possible to their profession. Apart from the necessary practical skills, this includes personal qualities such as independence, flexibility and creativity as well as other traits such as a willingness to learn or work in a team – for these, too, are essential characteristics for anyone intending to make complex IWC watches.



At IWC, young people are introduced to the broad spectrum of the watchmaking profession

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## SUSTAINABILITY AT IWC SCHAFFHAUSEN

The principle of sustainability is one of IWC's top priorities. Our goal is the sustainable, long-term manufacture of high-quality products that makes optimum use of resources while respecting social concerns. For IWC, acting responsibly means acting considerately, sustainably and with foresight. And it is expressed in our attitude to employees, society, the environment and procurement.

### IWC IS PART OF A STRONG COMMUNITY

IWC has deep roots in the town of Schaffhausen in north-eastern Switzerland, the location of the company's foundation and

its headquarters. The watch manufacturer sponsors many social, cultural and sporting activities in the region and encourages its people to make a voluntary contribution to its sustainable development. But IWC also supports ecological and social projects worldwide. This commitment manifests itself in the partnerships IWC has been cultivating for many years with various institutions.

Since 2005, IWC has been a Global Partner of the **Laureus Sport for Good Foundation**, which uses the power of sport to bring about social change. Through more than 150 global projects, Laureus is spreading the universal message that sport has the power to change the world.

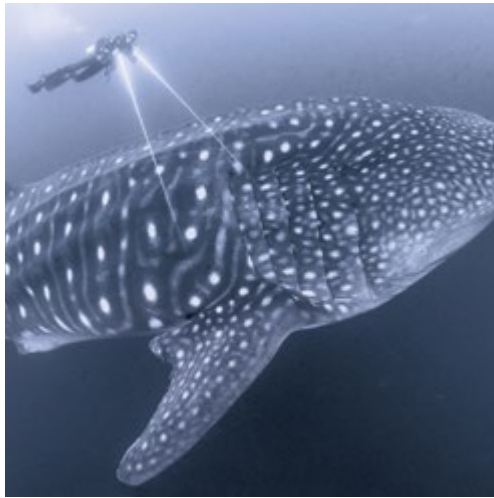


Laureus Sport for Good Foundation



Antoine de Saint-Exupéry Youth Foundation





Charles Darwin Foundation

The French **Antoine de Saint-Exupéry Youth Foundation** upholds the humanist and spiritual legacy of the great French writer and aviation pioneer. This foundation promotes education for children who, for various reasons, grow up in difficult environments. It has had a cooperation agreement with IWC since 2005.

The **Charles Darwin Foundation (CDF)** is an international non-profit organization that focuses on the protection of the Galapagos Islands, mainly by way of its scientific work. IWC has helped sponsor the foundation since 2009.

The **Cousteau Society**, founded in 1973, continues the scientific work of the famous marine researcher Jacques Cousteau and is committed to protecting maritime life. IWC has worked with the Foundation since 2004.

## IWC ALSO SUPPORTS ECOLOGICAL AND SOCIAL PROJECTS WORLDWIDE

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Cousteau Society

## IWC AND SYSTEMATIC ENVIRONMENTAL PROTECTION

Thanks to rigorous environmental management, IWC has adopted a leading role in environmental protection. The company covers its entire energy needs at headquarters using green hydroelectricity and has been carbon-neutral since 2007. IWC compensates for emissions that cannot be eliminated entirely by making voluntary payments into potentially beneficial environmental projects.

## EVERY COMPANY HAS BOTH A SOCIAL AND AN ECOLOGICAL RESPONSIBILITY

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The modern, ecological design of the IWC headquarters in Schaffhausen has kept energy consumption per square metre at the same level as back in 2002. Overall, there has been a reduction of over 10 percent in CO<sub>2</sub> emissions at headquarters in the past four years. In company-owned premises, IWC uses groundwater and wastewater as alternative energy sources. In addition, the company has installed optimally insulated glass facades, a rainwater collection system for the sanitary facilities and a modern ventilation system to reduce energy consumption. The photovoltaic system installed in 2013 and the use of two electrically powered vehicles introduced in 2014 make another important contribution.

IWC uses only FSC-certified paper, and does so as economically as possible. Logistics and transport are regularly reassessed to ensure efficient use of resources. Another aspect of sustainability is sensitizing employees to the importance of environmental topics. For this reason, IWC employees receive subsidized season tickets for public transport or a contribution towards the purchase of an ecological car.

Apart from this, since 2008 IWC has been a member of The Climate Group, an international organization whose members are committed to reducing their own energy use and, wherever possible, using renewable energies.

## IWC IS COMMITTED TO SUSTAINABLE SOURCING

When sourcing raw materials, IWC strives to obtain the highest possible quality. Equally important is adherence to social and ecological standards. This applies not only to IWC but also to its suppliers, who are required to meet the same environmental and social standards. IWC is an officially certified member of the Responsible Jewellery Council (RJC), an international non-profit organization. Accredited members are obliged to establish strict guidelines all the way down the value chain as regards ethical, social and environmental practices, and to guarantee the upholding of human rights.

Another example of responsible behaviour towards natural resources is the protection of animals living in the wild. IWC has eschewed the use of leather from threatened, wild reptile species for many years and acts in accordance with the Washington Convention on International Trade in Endangered Species (CITES).



## IMAGES

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For its Annual Edition, IWC uses paper from sustainable forestry cultivation projects as a means of supporting environmentally friendly forestry methods designed to protect the woodlands of Europe.

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## TECHNICAL INFORMATION

Technical and other specifications may change without notice, and all models and product lines are subject to availability. The information provided here refers either exclusively to the model named or is of a general nature. In view of the high level of manual craftsmanship involved, all the specifications are subject to production tolerances.

The illustrations in this catalogue may show watches with customized or special features that are available only at additional cost upon request.

Not all the watches in this catalogue are shown in their original sizes. For printing-related reasons, there may be deviations in the colours of the watches illustrated. The stamp shown on the inside of the Santoni leather straps may also differ from the original. It should also be noted that, when natural materials are used (e.g. leather), differences in colour and appearance cannot be excluded. Natural materials are not suitable for use in and under water.

The position of tool recesses and engravings on screw-in back covers may vary from watch to watch.

The "jewels" used in wristwatches (often referred to as "rubies" because they are mostly red in colour) are not genuine precious stones. Designed to reduce friction and mechanical wear and tear, they are made of industrial-standard sapphires, usually rubies. They are used for bearings, levers and detents as well as parts of

the escapement and the balance and spring, but are also found in certain parts specific to automatic movements, chronographs and minute repeaters. Synthetically manufactured rubies have practically the same physical and chemical properties and are similar in colour to naturally occurring rubies, but their purity and a more homogeneous crystalline structure give them certain advantages. Depending on the density, hardness, and resistance to pressure and abrasion required, "jewels" may be used that are different from synthetic rubies and/or synthetically manufactured functional jewels. This is due to the materials employed and can create colour differences that result in whitish or transparent stones, for example. As regards their physical and chemical properties, these "jewels" are similar to natural rubies and, after cutting and polishing, have the same surface characteristics.

The number of "jewels" shown on an IWC movement refers to all its synthetically manufactured functional jewels. Nowadays, it is technologically possible to make gears, cams and other movement parts from classical stones, but these components are not counted with the jewels.

\* IWC Schaffhausen is not the owner of the Glucydur® and Super-LumiNova® trademarks.

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Taking pride in protecting the environment.

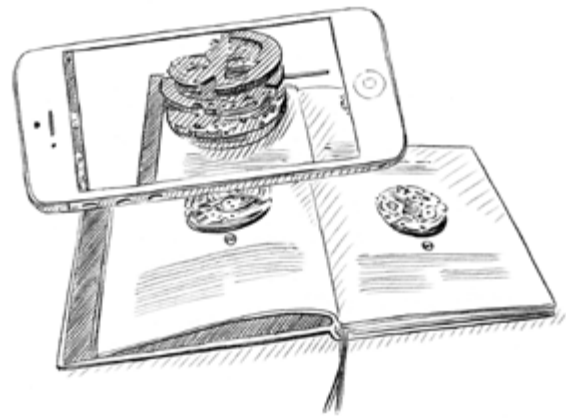


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## IWC AUGMENTED EXPERIENCE



Download the IWC EXPERIENCE APP  
to your smartphone (iOS)



Open the IWC EXPERIENCE APP and point your  
camera at this symbol. The application will begin  
immediately after you scan the symbol



In this Annual Edition, IWC Schaffhausen presents an augmented reality catalogue. Now you can watch exclusive clips about the watch lines and access complex 3-D animations that open up the mysterious world of IWC's in-house mechanical movements and complications.