

Instructions for use
Mode d'emploi

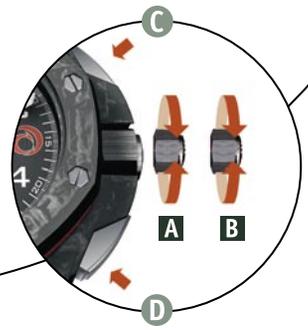
ROYAL OAK OFFSHORE
ALINGHI TEAM

CHRONOGRAPH
SELFWINDING

Calibre 2326/2848

LIMITED EDITION

AP
AUDEMARS PIGUET
Le maître de l'horlogerie depuis 1875



ENGLISH

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The Manufacture Audemars Piguet

The vallée de Joux: cradle of the watchmaker's art

In the heart of the Swiss Jura, around 50 kilometres north of Geneva, nestles a landscape which has retained its natural charm to this day: the vallée de Joux. Around the mid-18th century, the harsh climate of this mountainous region and soil depletion drove the farming community settled there to seek other sources of income. With their high degree of manual dexterity, inexhaustible creativity and enormous determination, the inhabitants of the valley, known as Combiers, were naturally drawn to watchmaking.

Due to their high quality, the movements they produced acquired great popularity with the Geneva firms which used them to create complete watches.

From 1740 onwards, watchmaking developed into the principal industry of the vallée de Joux. Thus, this region was transformed, as an 1881 chronicle put it, “into a land of milk and honey, in which poverty has rapidly disappeared”.

Two names for a great adventure

In 1875, two young men passionate about Haute Horlogerie - Jules-Louis Audemars and Edward-August Piguet - decided to pool their skills to design and produce watches with complications in the Vallée de Joux, the cradle of Haute Horlogerie. Determination, imagination and discipline led them to instant success. A branch in Geneva was their next move in about 1885 and new commercial links were forged at the 1889 Paris World Exposition, where they exhibited complication pocket watches. The Audemars Piguet factory continued to expand as the years went by. Its designs mark the milestones of Haute Horlogerie, like the first minute repeater wristwatch in 1892 and the smallest five-minute repeater movement ever made in 1915.

From 1918 onwards, the founders passed the reins of the business onto their sons, who in turn perfected their expertise in manufacturing wristwatches for gentlemen and ladies and designed new sophisticated, ultra-flat movements.

Audemars Piguet was soon the undisputed specialist in jump hour watches. Perseverance and initiative were the watchwords; the Wall Street crash in 1929 was a bitter blow, but the company directors were soon designing so-called skeleton watches before embarking on chronograph



production. But this new momentum was abruptly interrupted by the Second World War. Re-organisation was necessary in the aftermath of the conflict. The factory focused on creating top-of-the-range items in keeping with its tradition of innovation. A strategy that would prove its worth, the more so that it was backed up by outstanding creative daring.

Audemars Piguet continued to build on its now international reputation with creative designs. 1972 saw the launch of the *Royal Oak*, the first, immediately successful high-quality sports watch in steel, followed in 1986 by the first ultra-flat tourbillon wristwatch with automatic winding. The factory's creative spirit has not faltered since, offering aesthetically original timekeepers with outstanding movements. Thus it brought watches with complications back into fashion at the end of the 1980s, launching its extraordinary *Tradition d'Excellence* collection in 1999. In 2006, Audemars Piguet is presenting the

fifth item (Calibre 2899) in this exclusive series; oval in shape (*Millenary*), it features a linear reading perpetual calendar with power reserve indicator and dead seconds hand, a new escapement with revolutionary efficiency, no need for lubrication and so much more. All the signs of a bold spirit rooted firmly in tradition. All of which promises well for the future.



Take up the challenge

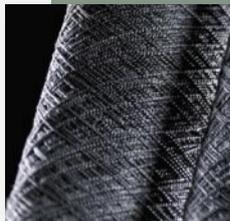
Alinghi's victory in 2003 inspired Audemars Piguet to embark on new adventures with the holder of the America's Cup and it will sponsor it until the next challenge in 2007. For the valiant sailors winding their way home with the Silver Jug and all their supporters, the manufacture designed an innovative chronograph watch - the *Royal Oak Offshore Alinghi Polaris* - with a new movement and "regatta" flyback function, the first of its kind to date.

For a few grams of carbon...

Lightweight and strong - these were the key words for the designers of Alinghi and of the *Royal Oak Offshore Alinghi Team Chronograph*. And so they chose that outstanding material - carbon. The America Class hull and sails owe their light weight to the carbon fibres in their make-up. The Brassus watchmakers came up with a new concept combining forging technology with carbon applications as a result of in-depth research, especially in the aeronautics industry. This new concept: is forged carbon. Its high mechanical performances, very high chemical strength, excellent resistance to shocks and its light weight made forged carbon the obvious choice as the most innovative material for the *Royal Oak Offshore Alinghi Team Chronograph*.

With its exact composition, manufacturing methods and tools were major obstacles that had to be overcome at high speed as, like the Alinghi team, Audemars Piguet had very little time available.

Countdown commenced in Spring 2004. A small Audemars Piguet team set to work in the greatest secrecy reminiscent of a start-up business. The aim was to combine mechanical reality and aesthetic constraints to produce the chronograph's octagonal case. The complex shapes of the bezel and case had to be resistant in all axes and present sharp angles and a perfect surface from word go. It would in fact be impossible to polish an item in forged carbon.



Rubber and ceramic

Borrowed from the automotive and aeronautics industries, these materials have pride of place in the *Royal Oak Offshore Alinghi Team Chronograph*.

Synthetic rubber is a source of unrivalled operating precision with a perfect surface finish. Added to these qualities are resistance to sea water, chlorine, detergents and perfumes, making it the ideal strap material for this chronograph designed specially for sailors. It has also been vulcanised to increase its strength whilst retaining invariable elasticity.

Research work in another field led to the development of innovative ceramics. Audemars Piguet has chosen a ceramic with very specific physical properties for the crown and pushers. The ceramic has undergone particularly delicate treatments calling on all the know-how of the Manufacture's engineers and watchmakers.

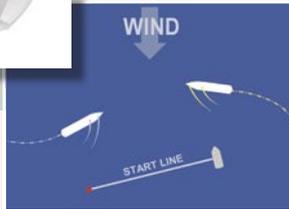
The essential qualities of this technical ceramic are its tremendous resistance to friction and wear and its exceptionally smooth final finish.

Description of the "Regatta" functions



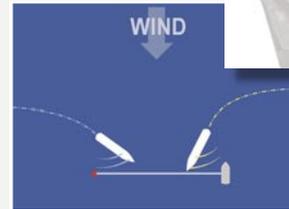
First warning signal

11 minutes before crossing of the start line



Third warning signal

5 minutes before crossing of the start line



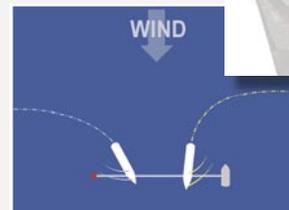
Second warning signal

10 minutes before crossing of the start line



Fourth warning signal

Green light to officially cross the start line



Views of the movement

Calibre 2326 / 2848

Bridge side



Dial side



Technical data of the movement

Total thickness of the movement : 7.30 mm

Total diameter of the movement : 25.60 mm
(11½ lines)

Fitting diameter : 26.00 mm (11 ½ lines)

Frequency : 28'800 vibrations/hour (4 Hz)

Number of jewels : 50 rubies

Power reserve at full wind : over 40 hours

Automatic winding unidirectional (anticlockwise)

Ball bearing mounted rotor with a mass segment
made out of 21 carat gold

“KIF Elastor” shock protection system for the balance

Adjustable stud support

Variable inertia balance, adjustable with 4 gold
screws (thread Ø : 0.29 mm)

Number of separates parts : 366

Technical data of the case

Diameter : 42 mm

Total height : 14.65 mm

Case water resistance : 10 bars (100m)

Dials illustrated by diagram

- ① Hour hand
 - ② Minute hand
 - ③ Chronograph hand in centre
 - ④ 10 minutes counter in aperture at 3 o'clock
 - ⑤ 20 minutes counter at 9 o'clock
 - ⑥ 6 hours counter at 6 o'clock
-
- A** Crown in manual winding position
B Crown in position for setting the time
- C** Pushbutton of the chronograph function
D Pushbutton of the flyback and to return to zero

Setting the time

The time may be set without risk by pulling the crown to position **B** and turning it clockwise or anticlockwise.

Balance stop when adjusting hands

Automatic stop of the movement when winding crown is pulled out, allows a precise indication.

Winding the watch

If the watch has stopped, at least 10 turns of the crown in position **A** should suffice to start it again. Further winding occurs through natural movement of the wrist.

Note: Then return the crown to position **A** and screw down.

Operation of chronograph

Start/stop pushbutton **C** of the chronograph function

- 1st press : start
- 2nd press : stop

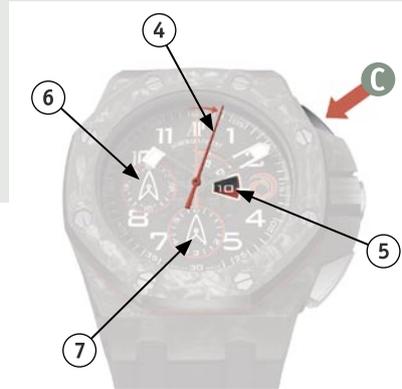
Flyback and returning to zero pushbutton **D**

- Press when chronometer is use (flyback) : immediate zeroing and timing continued
- Press after stop : all chronometer functions zeroed

"Regatta" function with flyback

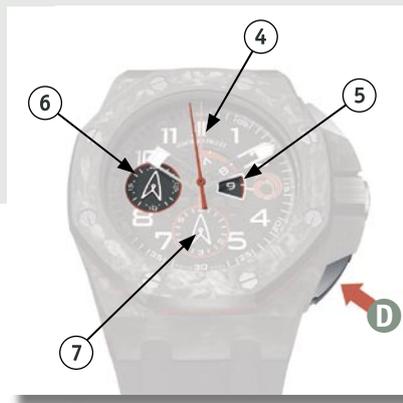
First warning signal

Eleven minutes before the official crossing of the start/finish line, start the chronograph using the pushbutton **C** at 2 o'clock. Simultaneously, chronograph hand **4**, the aperture "regatta" **5** and counters **6** and **7** will start.



Second warning signal (flyback function)

Ten minutes before the official crossing of the start/finish line, press the pushbutton **D** at 4 o'clock and activate the flyback function. This immediately zeroes all chronograph functions and the chronograph instantly starts again. This is the signal that tells crews they only have ten minutes until the start of the race, to stow the sail and other equipment. The final details about the weather conditions can also be discussed with the base.



Third warning signal

The signal indicating five minutes remain before the official crossing of the start/finish line is for information only. No function is activated on the watch. The counters **4**, **5**, **6** and **7** indicate the remaining five minutes. All contact between the crew and their base must cease.



Final minute before start

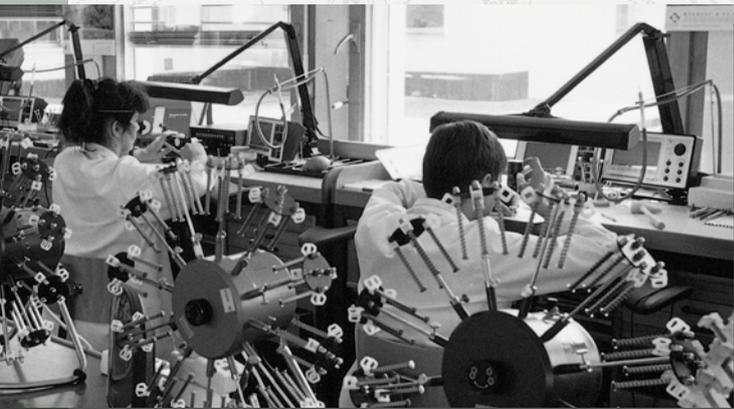
One minute before the official crossing of the start/finish line, when the chronograph starts to countdown the last ten minutes ④ and ⑤ starts up. This warns the person wearing the watch that the race will officially start in one minute. Again, no function is activated on the watch.



Fourth warning signal, crossing the start line

This is the signal giving the green light to officially cross the start/finish line. It is shown by counters ④, ⑤, ⑥ and ⑦. From this moment on, the chronograph can be left to follow the race after activating the flyback function to zero all counters.





Guarantee and care

All details concerning the guarantee and care instructions of your watch are provided in the certificate of origin and guarantee attached.

