

**STARS &**  
HEROES  
**2016 //**

**AUDEMARS PIGUET**

*Le Brassus*

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*Le Brassus*





# STARS & **HEROES //**

In 2016, an interesting suite of horological developments highlights the disruptive ideas, independent attitude and savoir-faire that set Audemars Piguet apart as a dynamic force in watchmaking today. The Manufacture's different thinking is illuminated in a series of designs that break the rules of horological tradition.



DIAMOND  
**FURY //**

# DIAMOND **FURY**

Ø 40 x 30

## **SPIRIT OF REBELLION**

Primal, powerful and provocative, Audemars Piguet unveils Diamond Fury, a Haute Joaillerie masterpiece bristling with attitude and a rebellious spirit. Last year, we revealed Diamond Punk, a paved, studded cuff watch with a punk-rock goddess streak. In 2016, Diamond Fury, the mighty warrior sister engineered in diamonds and white gold (with or without additional onyx elements), stalks the Haute Joaillerie landscape like a shimmering force of nature.



# DIAMOND FURY



## FORCE OF NATURE

Diamond Fury is like a carapace of gems with a shield of brilliant-cut diamonds: a true Haute Joaillerie talisman. Audemars Piguet's expert designers and jewellers have perfected the underside of Diamond Fury's jewelled scales with the same care as its enigmatic outer shell. Yet, its naturally tough form is precision-armoured to protect a sensual side and deftly engineered to slink around the wrist.

Diamond Fury's mysterious character is revealed via a secret panel which, when touched, subtly unclips to reveal the dial beneath. Crafted with unique skill, this masterpiece is a dynamic coming together of the designers, engineers and jewellers of Le Brassus. It took passion, perfection, over 1,500 hours and 4,635 brilliant-cut diamonds for the full diamond version featured here to emerge as a fusion of the singular character, unconventional thinking and cutting-edge technology that define Audemars Piguet today.



# DIAMOND FURY

40 x 30 mm



## MOVEMENT

Quartz	Calibre 2601
Total dimensions	12.00 x 9.70 mm (5 ¼ x 4 ¼ <i>lignes</i> )
Total thickness	1.80 mm
Number of jewels	3
Frequency of the quartz	32,768 Hz

## CASE

18-carat white gold case, entirely set, glareproofed sapphire crystal, airtight.

## DIAL

Diamond-paved 18-carat white gold dial, blackened gold hands.

## BRACELET

18-carat white gold bracelet, entirely set with diamonds.

## GEMSETTING

4,635 brilliant-cut diamonds; ~25.60 carats (case, bracelet).  
206 brilliant-cut diamonds; ~0.54 carats (dial).

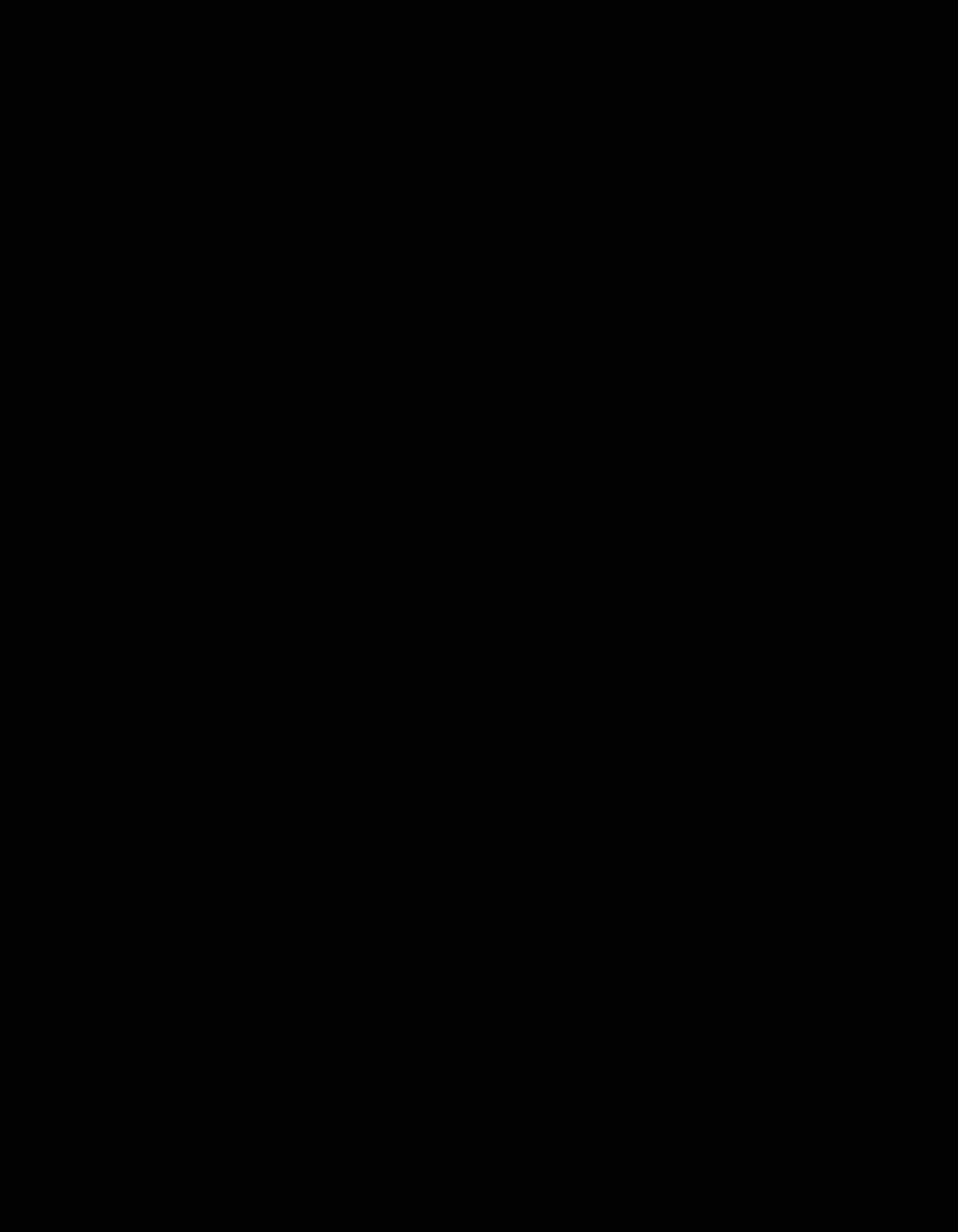
## FUNCTIONS

Hours  
Minutes

## REFERENCE

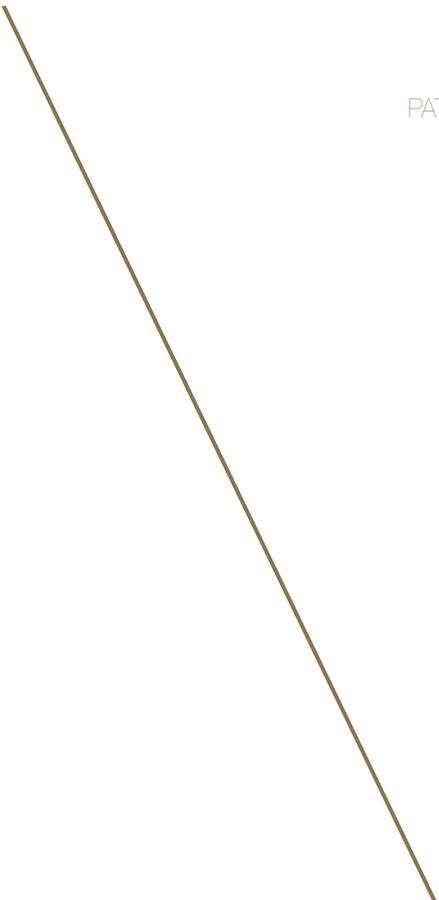
79420BC.ZZ.9190BC.01

*Also available with diamonds and black onyx elements, reference 79421BC.ZO.9191BC.01. Information upon request.*



**ROYAL OAK  
CONCEPT**

SUPERPERSONNERIE



PATENT US9164487 B1

# ROYAL OAK CONCEPT SUPERSONNERIE

Ø 44

## UNIQUE CONCEPT

In 2015, Audemars Piguet awakened sound with the Royal Oak Concept RD#1 – the most sonically considered concept watch of modern times, propelling acoustic performance in chiming watches to unparalleled levels. Eight years in the making, with the watchmaker as key sound producer, that concept timepiece presented dynamic innovations that defied practical restrictions, such as waterproofing.

## GROUNDBREAKING REALITY

Now, just 12 months later, that concept has become reality. In 2016, Audemars Piguet presents an outstanding new wristwatch: the Royal Oak Concept Supersonnerie, a minute repeater of superior acoustic intensity with a supremely clear, sustained tone. Three new pioneering chiming sound developments have become technological achievements, patented innovations. Presented in a super-light titanium case, this exclusive-production timepiece is precision-made to awaken sound. It brings unprecedented acoustic performance, exceptionally refined sound quality and the clear, harmonic tone of traditional pocket-watches to a contemporary minute repeater wristwatch.





## ROYAL OAK CONCEPT SUPERSONNERIE

### THE SOUND AWAKENED

Since the Manufacture was founded, generations of watchmakers have progressed complex mechanisms created in Le Brassus into future-forward technologies through every decade of the 20<sup>th</sup> and 21<sup>st</sup> centuries.

That tradition continues through our pioneering chiming watches sound study programme, started in 2006, in collaboration with the EPFL (École Polytechnique Fédérale de Lausanne). Today, sound-measurement facilities are installed at the Manufacture, where various amplification methods, such as an anechoic chamber and microphone recordings, assist a dedicated team of watchmakers, artisans, technicians and academics in creating chiming technologies for the future. Restrictions of necessary technology, such as waterproofing, which diffuses sound, are being overcome; acoustic performance is scientifically augmented.

# ROYAL OAK CONCEPT SUPERSONNERIE

## THREE EVOLUTIONS // ONE WATCH

**PURE HARMONY** - The outcome of the study programme is a new method for pre-preparing the steel used to create the gong structure, to achieve a unique minute repeater sound. A scientific system of performance targets was devised according to material cross-section, length and rigidity. Today, these pre-defined targets anticipate the final performance of the steel used by the watchmaker to make the gongs, assisting him to hone the right pitch, tone, and harmony. The result is a shortened, precision-mastered tuning process and a unique sound.

**RARE QUALITY** - The Royal Oak Concept Supersonnerie presents a newly developed case construction that prevents sound absorption, boosting amplification. In traditional minute repeater technology, the gongs are fixed to the mainplate. In the Royal Oak Concept Supersonnerie they are attached to a new device, a material spread beneath the movement that acts as a soundboard. Now, the gongs transmit vibrations directly to the soundboard – not to the mainplate. The technology functions like the upper body of a guitar. With the vibration-to-air system improved, sound quality, tone and amplification are richer.

**BRIGHTER TONE** - The striking regulator – the device that sets the pace of the striking sequence of hours, quarters and minutes – is redesigned. The anchor system is more flexible and becomes a shock absorber so that unwanted shock noise – created on action – is eliminated. Noise is almost imperceptible; poor frequencies are diminished and the pure, clear sound created by the watchmaker is freed. The result: a brighter, cleaner tone.



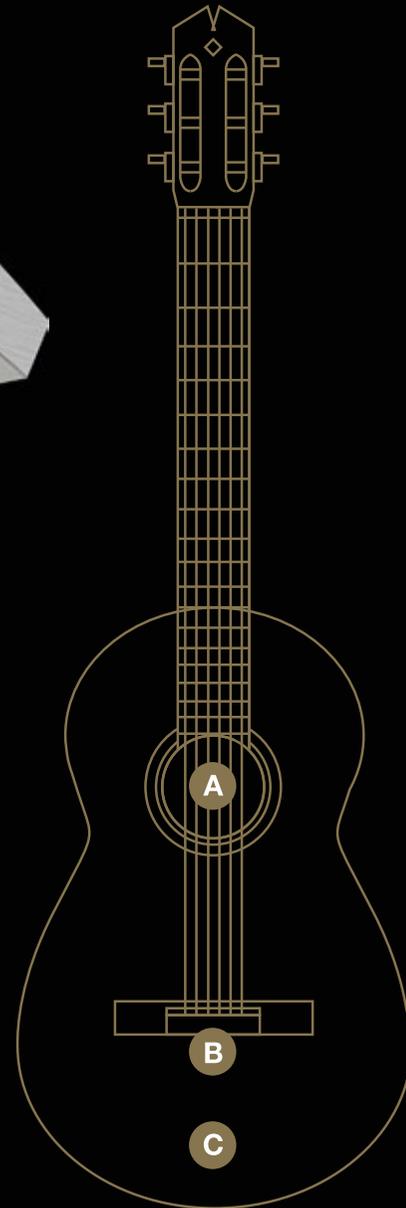
DIAL  
SIDE

BACKCASE  
SIDE

# THE SONIC JOURNEY



- A STRING
- B BRIDGE
- C SOUNDBOARD



## ROYAL OAK CONCEPT SUPERSONNERIE

The Royal Oak Concept Supersonnerie is not simply a striking watch, it is devised as a musical instrument. The acoustic guitar presents a sonic template:

### In an acoustic guitar

The strings are pulled tightly over the bridge. When plucked, the strings vibrate at a certain frequency and produce a beautiful, tonal sound. This sound is then carried into the body of the guitar – the soundboard – via the bridge. As it travels around the body of the instrument, the sound is amplified. No longer controlled by the player, the sound is freed.

### In the Royal Oak Concept Supersonnerie

- The gongs behave like guitar strings
- The hammers are the guitar player's fingers
- The gong stud is the guitar bridge
- The internal soundboard spread beneath the movement is the body of the guitar
- The sound is amplified, the tone improved

### SHARPER TEMPO

In traditional chiming systems, when there is no quarter chiming sequence – for example, at 10.08 – there is a long silence between the hour and minute chiming sequences. In the Royal Oak Concept Supersonnerie, time spent waiting for the gongs to strike is reduced by up to 50 per cent. Furthermore, a security function prevents the user altering the time display while the striking mechanism is active. Timing is improved.

### DESIGN DEFINED

The Royal Oak Concept Supersonnerie looks as good as it sounds: a visionary timepiece with a gleaming, futuristic character. The case is architecturally constructed in super-light titanium, while the blackened mainplate is the backdrop for the steel of the high-tech regulator. Not only does the openworked dial reveal the visionary technology within, it illuminates the true essence of this extraordinary timepiece: the movement. Decorated by hand, it is bevelled, polished, engraved and finished to perfection by the artists of Le Brassus.

# ROYAL OAK CONCEPT SUPERSONNERIE

44 mm



## MOVEMENT

Hand-wound Manufacture Calibre 2937  
Total diameter 29.90 mm (13¼ *lignes*)  
Total thickness 8.28 mm  
Number of jewels 43  
Number of parts 478  
Minimal guaranteed power reserve 42 h  
Frequency of balance wheel 3 Hz (= 21,600 vibrations/hour)

## CASE

Titanium case, glareproofed sapphire crystal, titanium bezel, black ceramic screw-locked crown, black ceramic and titanium pushpieces, titanium pushpiece guards, water-resistant to 20 m.

## DIAL

Black dial, openworked, satin-brushed, black counters, white gold hands with luminescent coating, black inner bezel.

## BRACELET

Black rubber strap with titanium AP folding clasp.

## FUNCTIONS

Minute repeater on two gongs  
Tourbillon  
Chronograph with central sweep-seconds hand  
30-minute counter  
Hours  
Minutes

## REFERENCE

26577TI.OO.D002CA.01

# ROYAL OAK

YELLOW  
GOLD //

A scenic landscape at sunrise or sunset. The sun is low on the horizon, creating a warm, golden glow that filters through a dense forest of evergreen trees. The foreground shows a rocky, grassy slope. The overall atmosphere is serene and majestic.

**THE ORIGINAL RULE BREAKER //  
THE MOST ICONIC PRECIOUS  
METAL ON EARTH //  
TOGETHER**

# ROYAL OAK

## YELLOW GOLD

### THE RETURN TO YELLOW GOLD

The new collection of Royal Oak watches and chronographs glows with the solar energy of yellow gold, the universal emblem of beauty, energy and light. Not only has gold always symbolised wealth and power, it has also been its source.

Launched in 1972, the Royal Oak was the first luxury watch to break with the gold standard in favour of stainless steel. That seismic shift, from precious gold to a more common alloy, expressed a new form of alchemy, and radically anticipated how active and dynamic contemporary lifestyles were about to become. Using steel in such a manner was a risk, yet ultimately a game-changing triumph.

Today, Audemars Piguet forges its own path and defies convention once more by bringing luxury watchmaking's most elemental material back to the surface, pushing tradition towards new sources of creativity.



# ROYAL OAK PERPETUAL CALENDAR

Ø 41

The Royal Oak Perpetual Calendar combines yellow gold with the most classic complication in all of watchmaking. Day, date, month, astronomical moon, with the week of the year displayed on the dial's outer chapter ring and the essential leap year indication hold pride of place on the "Grande Tapisserie" decorated dial. The new lighter blue of the dial harmonises beautifully with the warm yellow of the gold case, hour-markers and luminescent hands. Housed in an assertively sized 41 mm yellow gold case, the selfwinding watch's new larger calibre 5134 is fully visible through the glareproofed sapphire crystal caseback.



# ROYAL OAK CHRONOGRAPH

Ø 41



Powered by the Audemars Piguet calibre 2385, this three-counter chronograph energises the original Gerald Genta design from the early 70s. The 41 mm case houses a "Grande Tapisserie" dial in either silvery white or in the new paler blue, an angled date display at 4 o'clock, small seconds at 6 o'clock, yellow gold applied hour-markers and Royal Oak hands with luminescent coating.



# ROYAL OAK SELFWINDING

Ø 37



Conceived along the refreshed lines of 2012's 40<sup>th</sup> Anniversary model, the new Royal Oak Selfwinding has a 37 mm case in 18-carat yellow gold and a silver-toned or blue dial in finely wrought "Grande Tapisserie". The new lighter blue of the dial harmonises beautifully with the warm yellow of the gold case, hour-markers and luminescent hands. The inner workings and engraved gold oscillating weight of the calibre are visible through the glareproofed sapphire crystal caseback.

# ROYAL OAK QUARTZ

Ø 33



The glow of gold in the new Royal Oak Quartz 33 mm edition is accentuated by the glittering 40 brilliant-cut diamonds (0.73 carats) on the bezel, and the “Grande Tapisserie” pattern on the silver or the new blue dial. Additional signature codes are also in place: 18-carat yellow gold case, yellow gold applied hour-markers and Royal Oak hands with luminescent coating.



## ROYAL OAK PERPETUAL CALENDAR 41 mm



### MOVEMENT

Selfwinding Manufacture	Calibre 5134
Total diameter	29.00 mm (12 $\frac{3}{4}$ lignes)
Total thickness	4.31 mm
Number of jewels	38
Number of parts	374
Minimal guaranteed power reserve	40 h
Frequency of balance wheel	2.75 Hz (= 19,800 vibrations/hour)

### CASE

18-carat yellow gold case, glareproofed sapphire crystal and caseback, screw-locked crown, water-resistant to 20 m.

### DIAL

Blue dial with "Grande Tapisserie" pattern, yellow gold applied hour-markers and Royal Oak hands with luminescent coating, blue inner bezel.

### BRACELET

18-carat yellow gold bracelet with AP folding clasp.

### FUNCTIONS

Perpetual calendar with week indication, day, date, astronomical moon, month, leap year  
Hours  
Minutes

### REFERENCE

26574BA.OO.1220BA.01

## ROYAL OAK CHRONOGRAPH 41 mm



### MOVEMENT

Selfwinding	Calibre 2385
Total diameter	26.20 mm (11 $\frac{1}{2}$ lignes)
Total thickness	5.50 mm
Number of jewels	37
Number of parts	304
Minimal guaranteed power reserve	40 h
Frequency of balance wheel	3 Hz (= 21,600 vibrations/hour)

### CASE

18-carat yellow gold case, glareproofed sapphire crystal, screw-locked crown, water-resistant to 50 m.

### DIAL

Silver-toned or blue dial with "Grande Tapisserie" pattern, silver-toned or blue counters, yellow gold applied hour-markers and Royal Oak hands with luminescent coating.

### BRACELET

18-carat yellow gold bracelet with AP folding clasp.

### FUNCTIONS

Chronograph  
Hours  
Minutes  
Small seconds  
Date

### REFERENCES

26320BA.OO.1220BA.01  
26320BA.OO.1220BA.02

## ROYAL OAK SELFWINDING 37 mm



### MOVEMENT

Selfwinding Manufacture	Calibre 3120
Total diameter	26.60 mm (11 $\frac{3}{4}$ lignes)
Total thickness	4.26 mm
Number of jewels	40
Number of parts	280
Minimal guaranteed power reserve	60 h
Frequency of balance wheel	3 Hz (= 21,600 vibrations/hour)

### CASE

18-carat yellow gold case, glareproofed sapphire crystal and caseback, screw-locked crown, water-resistant to 50 m.

### DIAL

Silver-toned or blue dial with "Grande Tapisserie" pattern, yellow gold applied hour-markers and Royal Oak hands with luminescent coating.

### BRACELET

18-carat yellow gold bracelet with AP folding clasp.

### FUNCTIONS

Hours  
Minutes  
Centre seconds  
Date

### REFERENCES

15450BA.OO.1256BA.01  
15450BA.OO.1256BA.02

## ROYAL OAK QUARTZ 33 mm



### MOVEMENT

Quartz	Calibre 2713
Total diameter	18.39 mm (8 $\frac{1}{4}$ lignes)
Total thickness	2.2 mm
Number of jewels	7
Frequency of the quartz	32,768 Hz

### CASE

18-carat yellow gold case, glareproofed sapphire crystal, diamond-set bezel, water-resistant to 50 m.

### DIAL

Silver-toned or blue dial with "Grande Tapisserie" pattern, yellow gold applied hour-markers and Royal Oak hands with luminescent coating.

### BRACELET

18-carat yellow gold bracelet with AP folding clasp.

### GEMSETTING

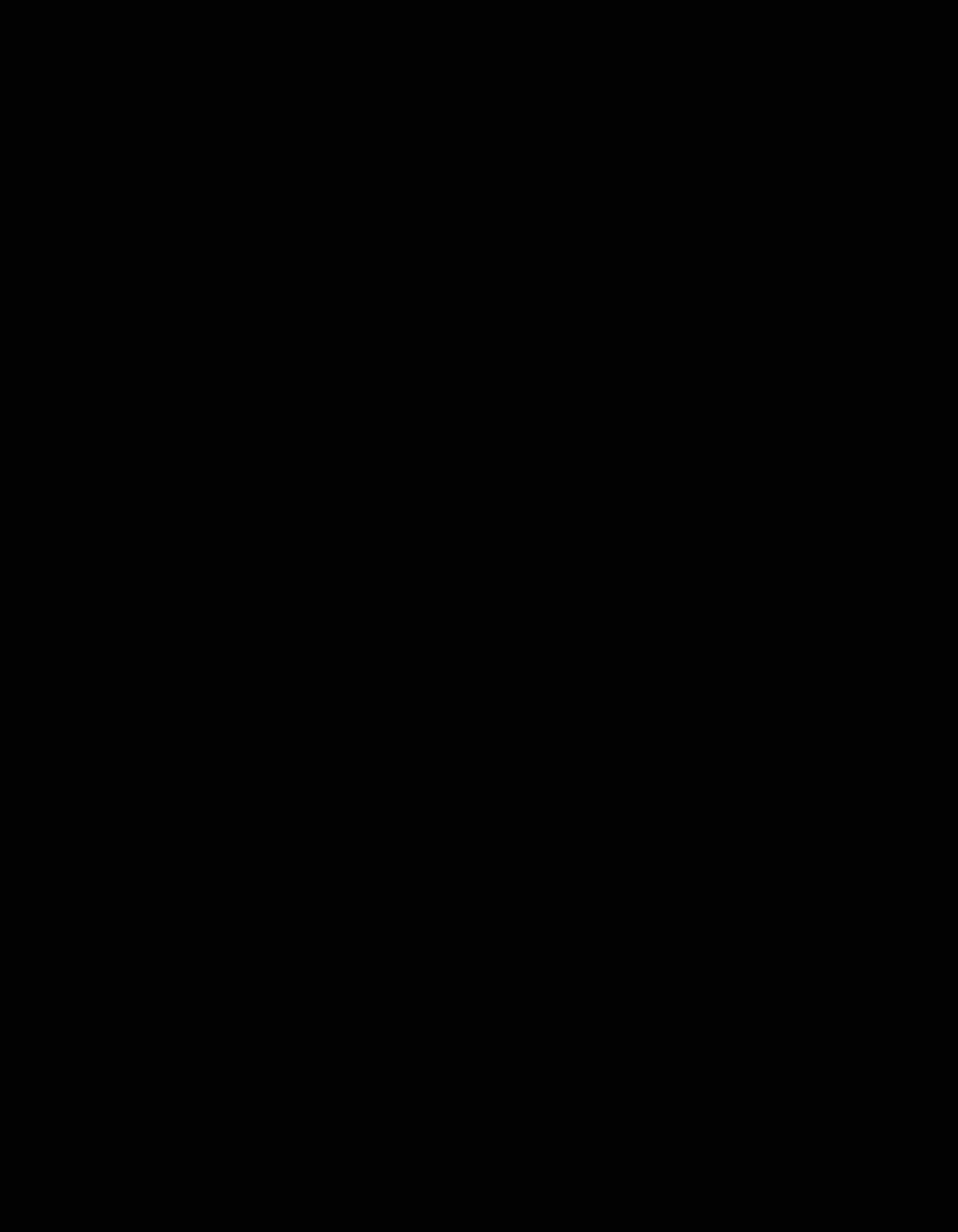
40 brilliant-cut diamonds; ~0.73 carats (bezel).

### FUNCTIONS

Hours  
Minutes  
Date

### REFERENCES

67651BA.ZZ.1261BA.01  
67651BA.ZZ.1261BA.02



# **ROYAL OAK**

DOUBLE

BALANCE

WHEEL

OPENWORKED //



# ROYAL OAK

## DOUBLE BALANCE WHEEL OPENWORKED

Ø 41

At the beating heart of the mechanical watch is its regulating organ, the balance wheel and its essential counterpart, the balance-spring. This ingenious pairing, first introduced to horology in the 17<sup>th</sup> century, acts as the watch's control unit, determining the precision of the watch's pulse through the regularity of its back and forth oscillations.

It is a straightforward process — the swing of the balance wheel coils the balance-spring, which, when it reaches its maximum amplitude, starts to uncoil — yet it sets off a complex of transferred energies: each full swing releases a tooth of the escape wheel, moving the ensemble of precisely calibrated components and gears one increment forward.

Ensuring its reliability is among the toughest engineering challenges in watch technology because, unlike a stationary pendulum clock, the ever-moving wristwatch has to defy gravity, remain impervious to motion, resist changes in temperature and withstand all manners of shock.





AUDEMARS PIGUET  
DUALBALANCE

## ROYAL OAK

### DOUBLE BALANCE WHEEL OPENWORKED

#### TAKING OPENWORKING TO THE NEXT LEVEL

The Royal Oak Double Balance wheel Openworked tackles these stabilising issues by fixing a second balance wheel and balance-spring assembly on the same axis. The new “Dualbalance” patented geometry involves a very complex manufacturing procedure, but the payoff is huge: greatly improved precision and stability.

This is not only a new world-first, it is also an imposing combination of art and architecture, which is why Audemars Piguet has fully openworked the movement to reveal this two-fold beauty from both sides of the watch.

Openworking — also known as skeletonisation — involves cutting away material to reveal the mechanical artistry contained within. It is among the most exacting performances in watchmaking: cutting too much can jeopardise tolerances or affect shock resistance. Achieving the right balance between the beauty of the revealed components and the safeguarding of their performance and precision is a rare art.



## ROYAL OAK

### DOUBLE BALANCE WHEEL OPENWORKED

Audemars Piguet has been a master of this indescribably intricate process since the 1930s. Today, it performs it in precisely the same manner: filing, decoration and finishing exclusively done by hand. The reasons for this are both aesthetic and technical. For example, a milling machine produces perfectly acceptable rounded angles, but it cannot produce the perfect interior angles (or v-cut angles) that so superlatively reflect light, expressing the artistry of Haute Horlogerie.

Available in stainless steel or pink gold, with slate-grey dial and pink gold applied hour-markers, the Royal Oak Double Balance wheel Openworked offers unencumbered viewing through the openworked front and the glareproofed sapphire crystal caseback. Front or back, the breathtaking views draw the eye repeatedly over the course of a day: sometimes, to register the time indicated by the luminescent hands, but more often just to watch the dance contained within.



# ROYAL OAK

## DOUBLE BALANCE WHEEL OPENWORKED

41 mm



### MOVEMENT

Selfwinding Manufacture Calibre 3132  
 Total diameter 26.59 mm (11 3/4 lignes)  
 Total thickness 5.57 mm  
 Number of jewels 38  
 Number of parts 245  
 Minimal guaranteed power reserve 45 h  
 Frequency of balance wheel 3 Hz (=21,600 vibrations/hour)

### CASE

Stainless steel case, glareproofed sapphire crystal and caseback, screw-locked crown, water-resistant to 50 m.

### DIAL

Slate grey openworked dial, pink gold applied hour-markers and Royal Oak hands with luminescent coating.

### BRACELET

Stainless steel bracelet with AP folding clasp.

### FUNCTIONS

Hours  
 Minutes  
 Centre seconds

### REFERENCE

15407ST.OO.1220ST.01

### MOVEMENT

Selfwinding Manufacture Calibre 3132  
 Total diameter 26.59 mm (11 3/4 lignes)  
 Total thickness 5.57 mm  
 Number of jewels 38  
 Number of parts 245  
 Minimal guaranteed power reserve 45 h  
 Frequency of balance wheel 3 Hz (=21,600 vibrations/hour)

### CASE

18-carat pink gold case, glareproofed sapphire crystal and caseback, screw-locked crown, water-resistant to 50 m.

### DIAL

Slate grey openworked dial, pink gold applied hour-markers and Royal Oak hands with luminescent coating.

### BRACELET

18-carat pink gold bracelet with AP folding clasp.

### FUNCTIONS

Hours  
 Minutes  
 Centre seconds

### REFERENCE

15407OR.OO.1220OR.01

# AUDEMARS PIGUET

*Le Brassus*

This document presents the 2016 novelties.  
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