



**DE BETHUNE**

L'ART HORLOGER AU XXI<sup>e</sup> SIÈCLE

## CONTENTS

PERFECTING CRAFTSMANSHIP, PURSUING THE PERPETUAL QUEST  
FOR ULTIMATE PERFECTION BY UNITING FUNCTIONALITY, PRECISION  
AND SIMPLICITY.

P.04	Preface
<hr/>	
TECHNICAL & ARTISTIC INNOVATION	
P.10	Exploring the third dimension
P.14	Grand traditions meet futuristic materials
P.18	How the perfect touch stirs emotions
P.20	Dream Watches
<hr/>	
MECHANICAL HOROLOGICAL INNOVATION	
P.24	Using new materials in horology
P.26	Reinvented balance-spring & the perfect balance
P.28	Ultimate shock resistance
P.30	The peak of timing precision
P.34	The De Bethune absolute clutch system
P.36	Mastering energy
P.38	Enhancing visibility
<hr/>	
DE BETHUNE COLLECTIONS	
P.42	DB EIGHT
P.44	DB Eight
P.46	DB KIND OF TWO
P.48	DB Kind of Two Jumping GMT
P.50	DB25 COLLECTION
P.52	DB25 Starry Varius
P.56	DB25 Aérolite Starry Varius
P.58	DB25 GMT Starry Varius
P.60	DB25 Moon Phase
P.62	DB25 Perpetual Calendar
P.64	DB25 QP 40mm
P.66	DB27 COLLECTION
P.68	DB27 Titan Hawk V2
P.70	DB27 Titan Hawk
P.72	DB28 COLLECTION
P.74	DB28xs
P.76	DB28XP
P.78	DB28
P.80	DB28 Tourbillon
P.82	DB28 Digitale
P.84	DB28GS JPS
P.86	DB28GS Grand Bleu
P.88	DB29 COLLECTION
P.90	DB29 Tourbillon Maxichrono



## PREFACE

BY DENIS FLAGEOLLET & PIERRE JACQUES

### MODERN-DAY ALCHEMISTS

Since 2002, we have been tirelessly laying the foundations of 21<sup>st</sup> century horology.

A subtle blend of time-honoured skills and the latest scientific breakthroughs, devoted to the service of extreme chronometric precision. The quest for fine craftsmanship pushed to its very limits, to the point where aesthetic and technical aspects meet and merge, where form marries function in the pursuit of perfection.

De Bethune is above all a research and development tool, a lab where we work with cutting-edge technologies implemented in the spirit of the great 18<sup>th</sup> century master-watchmakers, where all parts are designed and produced one by one, while lavishing particular attention on every detail. A place where all that counts is time measurement, but where time is never counted.

The workshops of our Manufacture are tinged with a sense of adventure reminiscent of the epic intellectual endeavours of the Age of Enlightenment. The field of possibilities

appears virtually unlimited to these modern-day explorers of the infinitely small, the infinitely precise, as they bend intently over their workbenches.

Passion is at once the watchword, the winning formula and the constant reward for our entire team. How else could one explain the ten patents, 27 calibres and 30 world première innovations to which the Manufacture has treated watch aficionados in just 18 years of existence?

### NOT DOING MORE BUT INSTEAD DOING BETTER

Naturally, achieving this has meant combining a wealth of scientific, historical and artistic culture. It has also and above all implied the inestimably precious expertise of the expert hands whose ever accurate and constantly repeated gestures convey the heritage of time-honoured experience. These golden hands that the Manufacture has managed to bring together like an array of unique pearls.

< Denis Flageollet, *Master Watchmaker & Creative Talent*  
> Pierre Jacques, *Chief Executive Officer*



Each year for a few fortunate connoisseurs around the world, we offer models enshrining the quintessence of mechanical horology. The apparent simplicity of the lines, their finesse and their elegance both conceal and magnify the extraordinary complexity of the materials and processes involved. The purity of the cases, the exquisite delicacy of the dials and hands that appear to be floating weightless over the movements, all testify to a combination of extreme technical mastery and a quest for supreme artistry.

FEET FIRMLY PLANTED IN HISTORY  
AND HEAD RESOLUTELY TURNED TOWARDS  
THE FUTURE

Not doing more, but instead doing better; drawing inspiration from the past in order to constantly reinvent it; creating bridges between the various fields of knowledge:

such are the principles guiding the elaboration of the mechanisms. Our pioneering work is accomplished by consistently blazing new trails in order to reduce to the utmost the two historical enemies of precision: weight and friction.

Where necessary, we are prepared to adopt the personae of modern-day alchemists, in order to blend the most exceptional materials within a unique crucible and then patiently shape them in the spirit of the Manufacture. If needed, we play the role of architects in forging steel, platinum and titanium to create sculptures dedicated to the glory of time and of equilibrium.

Builder of 21<sup>st</sup> century horology and custodian of the grand tradition, feet firmly planted in history and head resolutely turned towards the future, our Manufacture has received the most prestigious awards around the world. We are well aware that these distinctions are only the start of an adventure: that of horology in the third millennium.

The Manufacture De Bethune in L'Auberson,  
a village set in the heart of the Swiss Jura.



TECHNICAL  
AND ARTISTIC  
INNOVATION



## EXPLORING THE THIRD DIMENSION

DE BETHUNE DRAWS NURTURE AND INSPIRATION FROM SEVERAL CENTURIES OF HISTORY IN FORGING ITS VISION OF 21<sup>ST</sup> CENTURY WATCHMAKING ART, PROFOUNDLY ROOTED IN CONTEMPORARY CULTURE. EACH DEVELOPMENT IS GOVERNED BY A CONSTANT QUEST FOR AESTHETIC EXCELLENCE, SUBTLY INTERACTING WITH THE PURSUIT OF HIGH TECHNICAL STANDARDS. THE ARCHITECTURE OF OBJECTS IS DRIVEN AS MUCH BY ITS BEAUTY AS BY ITS STURDINESS OR ITS FUNCTION, WITHOUT ANY ONE FACTOR OUTWEIGHING THE OTHERS. LIKE THE CLASSIC CHEFS-D'OEUVRE OF HISTORICAL MASTER-WATCHMAKERS, DE BETHUNE CREATIONS ARE AUTHENTIC SCULPTURES IN WHICH EVERY COMPONENT IS DESIGNED TO OCCUPY ALL THREE SPATIAL DIMENSIONS.

### SPHERICAL MOON

The De Bethune spherical moon epitomises this vision by providing a poetic and yet highly technical display of the motion of this heavenly body.

Inspired by a longstanding tradition stemming from astronomical clocks, this depiction of the moon is also a tribute to Leonardo da Vinci, whose sketch of it appeared in the Madrid Codex. Composed of two hemispheres, one in flame-blued steel and the other in palladium, carefully assembled using a push-in technique, the sphere is driven by an extremely precise mechanism and requires adjustment only once every 1,112 years.

Delicately detached from the dial as if floating in a weightless state, the De Bethune spherical moon opens a symbolic window onto the cosmos.



View of the spherical moon set against a star-studded sky. DB25 Moon Phase

Flame-bluing the spherical moon.



#### DE BETHUNE HANDS

The hands also contribute to reconquering the third dimension. De Bethune achieves the impressive feat of giving them authentic volume while preserving their slenderness and their readability.

Sculpted in steel, titanium, silicon, gold or sapphire, they testify to the expertise of the Manufacture. The subtle nature of their design, which is reinvented for each new creation, reveals the delicate treatment of the materials and the audacious touch of their designers.

The blued steel rims of the sapphire hands, achieved by differential thermal treatment, is a unique accomplishment within the watch industry, thereby striking a refined balance between their daring aesthetic and the need to ensure their lightness, accuracy and readability.

#### FLOATING LUGS

For De Bethune, exploring space does not stop inside the case. It encompasses the watch as a whole, particularly when it comes to combining wearer comfort and timing precision.

In order to enable the timepiece to mould the shape of the wrist and naturally follow its movements, De Bethune has developed a unique system of titanium floating lugs. An integrated drawback-spring automatically directs them towards the ideal position, thereby guaranteeing optimal hold and a reduction in undue impacts.

Polishing a steel hand.





## GRAND TRADITIONS MEET FUTURISTIC MATERIALS

A PIONEER IN THE USE OF TITANIUM AND SILICON WITHIN THE WATCH INDUSTRY, DE BETHUNE HAS ACQUIRED PERFECT MASTERY IN THIS FIELD, ABLY COMBINING STATE-OF-THE-ART MANUFACTURING TECHNOLOGIES WITH FINE TRADITIONAL SKILLS.

### BLUING TITANIUM

Expert hands constantly reinvent and enhance age-old gestures so that each part is given full attention, right down to the smallest details. The noblest finishes and decors are interpreted through new materials and revisited to ensure an harmonious match with the specific De Bethune creative codes.

The Manufacture has for example transposed to titanium its expertise in the time-honoured techniques of bluing steel, thereby giving it a unique colour while optimising its surface resistance and its stability.

Detail of the blued titanium dial. DB25 Tourbillon



Oven-bluing a titanium floating lug.

### SETTING ON TITANIUM

Closed setting on grade 5 titanium is another example of how De Bethune artisans relentlessly push existing boundaries. This exceptional alloy, that is eight times harder than gold and twice as light as steel, calls for impeccable technique and expertise combined with extreme concentration. Since no corrections can be made on titanium, the slightest error means starting again from scratch.

Detail of the setting of the DB28 Tourbillon





The titanium dials are meticulously adorned with pure gold stars, creating a unique star-studded sky for each timepiece, or guilloché-worked using the exclusive De Bethune microlight process.



The bridges are embellished by a splendid ribbed pattern inspired by the famous Côtes de Genève, but also reinvented in order to enhance its radiance and direct the gaze towards the heart of the watch. Setting the perfect finishing touch, a polished steel circular surround replaces the traditional bevelling of the bridge. This characteristic De Bethune procedure avoids any chamfering irregularities due to the decoration, while maintaining the depth effect of the motif.



## HOW THE PERFECT TOUCH STIRS EMOTIONS

ENGRAVING, ENAMELLING AND GEM-SETTING IMPLY A BLEND OF ANCESTRAL SKILLS AND NEW TECHNIQUES, CONSTANTLY PUSHING THE LIMITS OF HUMAN POSSIBILITIES.

### "GRAND FEU" ENAMEL

Glass, steel or titanium, De Bethune's craftsmen have learned how to master fire and its power to reveal their hidden beauty. For the first time, the century-old "Grand Feu" enamel technique, one of the most difficult processes in watchmaking, has been used to create the exceptional curved dial of the DB29 Tourbillon Enamel. A talking piece, a masterpiece that conceals its extreme complexity beneath apparent simplicity to let light, life and beauty express themselves fully, endlessly.



DB29 Tourbillon and its enamel dial

### ENAMELLING AND ENGRAVING

For the dials of the "Imperial Fountain" collection, De Bethune has used bas-relief enamelling, a technique used in horology since the Renaissance and which combines the two skills of engraving and enamelling. Bas-relief engraving is the most prestigious manual engraving technique, requiring the engraver to exercise his art with a faultlessly steady hand; while Grand Feu enamelling is doubtless the most difficult of all horological decorative techniques, but which serves to achieve extraordinarily rich and lasting colours. The end result is as radiant as a stained-glass window. Finely applied on the gold base beneath, the translucent enamel reveals surfaces that are subtly engraved by the artist Michèle Rothen so as to amplify and vary the way light plays across them to create unique depth effects.



Hand-engraved sphinx.  
Stellar Clock

DB25 Imperial Fountain.



## DREAM WATCHES

THE DREAM WATCH COLLECTION IS THE FULLEST AND MOST EXTREME  
EXPRESSION OF DE BETHUNE'S CREATIVITY.



Stemming directly from the latest advances of the Manufacture's R&D lab, Dream Watches materialise De Bethune's vision of the horological future.

This no-limits, constraint-free approach enables them to explore new technical and artistic territories through a continuous process of research on both form and function.

Whether technological compendiums or objects midway between art and horology, Dream Watches define and anticipate each new stage in the evolution of the brand, and indeed of watchmaking in general.

Dream Watch 1

Dream Watch 5



MECHANICAL  
HOROLOGICAL  
INNOVATION



## USING NEW MATERIALS IN HOROLOGY

IN ITS QUEST FOR MECHANICAL PERFECTION, DE BETHUNE CONSTANTLY EXPLORES NEW HORIZONS AND FREQUENTLY MAKES USE IN ITS CREATIONS OF MATERIALS THAT ARE NEW TO THE WATCH INDUSTRY.



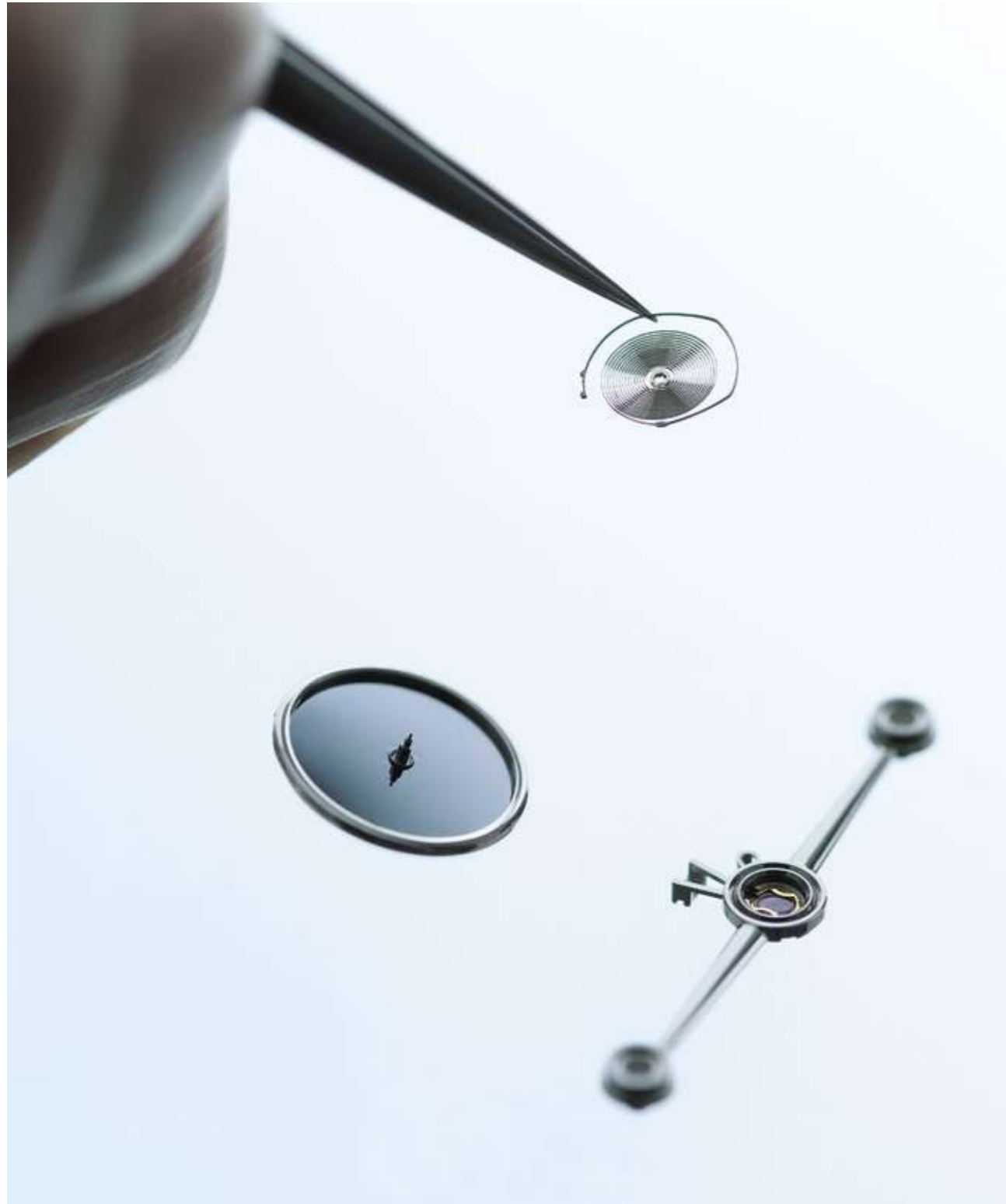
Case and floating lugs in mirror-polished titanium. DB28

These materials are selected according to extremely strict criteria bearing no relation to ephemeral trends. Each is used for its specific properties, and always with a view to improving the precision and reliability of the fundamental watch components devised over the centuries.

Titanium, for example, is an extremely light, sturdy and stainless material. De Bethune uses it to make parts such as balance-wheel centres, bridges and screws. Its exceptional properties are also put to good use in creating cases, floating lugs, dials and hands. De Bethune oscillating weights boast a unique combination of titanium and platinum.

De Bethune has in addition also developed and patented the world's first balance-wheel to incorporate silicon. This highly robust and flawless material considerably improves movements' efficiency and appearance. Its physical properties, its extreme lightness, its elasticity and its suitability for various treatments have also enabled the Manufacture to create parts requiring extreme precision, such as escape-wheels, balance-springs, hands, bridges and collets. They are machined in a particle accelerator by a deep reactive ion etching (DRIE) operation performed within a complete vacuum and at a temperature of around  $-273^{\circ}\text{C}$ .

Fitting the silicon/titanium tourbillon in its case.



## REINVENTED BALANCE-SPRING

DEVELOPED BY A HIGHLY QUALIFIED MULTI-DISCIPLINARY RESEARCH GROUP, THE PATENTED DE BETHUNE BALANCE-SPRING REPRESENTS A BREAKTHROUGH EVOLUTION OF THE BREGUET OVERCOIL BALANCE-SPRING.

Thanks to a unique shape and material, its flat terminal curve enables free concentric development of the spring, as well as a noticeably thinner construction. It also avoids any distortion of the coils in case of impacts thanks to the specific study of its elasticity at its point of attachment. Finally, the smooth assembly of the balance-spring avoids any potential damage to its resilience during fitting, thereby guaranteeing optimal rate performance.

## THE PERFECT BALANCE

DE BETHUNE IS ONE OF THE RARE WATCH MANUFACTURERS TO USE ITS VERY OWN PATENTED BALANCE-WHEELS. THEY STEM FROM ONGOING RESEARCH AND ARE DESIGNED TO BE AS LIGHT AS POSSIBLE WHILE MAINTAINING THE HIGHEST ATTAINABLE LEVEL OF INERTIA.



Details of the titanium balance wheel with white gold insert of the DB28 Steel Wheels.

The titanium/platinum balance-wheel achieves an ideal mass/inertia ratio. Its extreme lightness makes titanium ideal for the central part of the balance-wheel, while the optimally aerodynamic external weights are made from platinum. The latter metal, which has one of the highest densities, serves to increase the inertia of the regulating organ. This makes it possible to achieve a 20% lower weight, while maintaining high inertia. The resulting reduction in friction also entails substantial energy savings. Two gold adjustment weights facilitate the dynamic rating. In 2016 a new titanium balance-wheel with white gold inserts was unveiled. Thanks to years of in-depth research and testing, this balance-wheel has the capacity to neutralise the effects of temperature variations through its interaction with the balance-spring. The aerodynamic shape was also designed to diminish air resistance, an important source of disruption, to the greatest extent possible.

Balance-spring with flat terminal curve, silicon/palladium balance-wheel, and balance-cock.



## ULTIMATE SHOCK RESISTANCE

AS A LOYAL COMPANION FOR CONTEMPORARY INDIVIDUALS, THE WRISTWATCH IS SUBJECTED TO AN INCREASINGLY WIDE RANGE OF STRESSES AND STRAINS. SHOCK RESISTANCE IS AN ESSENTIAL PREREQUISITE TO WHICH DE BETHUNE HAS RESPONDED BY TWO MAJOR INNOVATIONS, THE TRIPLE *PARE-CHUTE* ANTI-SHOCK SYSTEM; AND THE OSCILLATING WEIGHT SHOCK-ABSORBER SYSTEM.

### THE TRIPLE *PARE-CHUTE*

The only system of its kind used in the watch industry, the triple *pare-chute* protects the heart of the movement thanks to a titanium bridge secured by a spring-based system. Three jewels connect the various elements, thereby not only absorbing shocks but also ensuring precise repositioning of the bridge after a displacement.

### OSCILLATING WEIGHT SHOCK-ABSORBER

The oscillating weight guard device is also a world premiere. A steel shock-absorbing device with 4 small spring feet and 12 jewels maintains the smooth motion of the titanium/platinum oscillating weight. In case of substantial or repeated impacts, the spring feet of the shock-absorber may be deformed along several axes, therefore avoiding any damage to the oscillating weight itself. The jewels contribute to reducing friction.



Triple *pare-chute* anti-shock system. DB28

Triple *pare-chute* and titanium/platinum oscillating weight equipped with its shock-absorber. DB25



## THE PEAK OF TIMING PRECISION

### THE DE BETHUNE ESCAPEMENT

The Swiss 20-toothed lever escapement has been entirely updated by the De Bethune R&D department. In order to improve efficiency, the angles of the escapement locking and impulse planes are substantially different from the usual norms.

Thanks to an exclusive De Bethune process, the escape-wheel is thinned down as far as possible to achieve minimum inertia, thereby optimising the running and reducing wear. The alternate bevels on each tooth, one on top and the next below, help ensure an even spread of the lubricant and cut the wear on the lever pallets in half by doubling the contact surface.

The lever is poised so as to cancel out the effects of gravity and ensure improved rating in the various watch positions. This involves an exclusive process in which the pallets are clamped in place rather than cemented.

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Tourbillon with silicon/titanium balance-wheel and patented De Bethune 20-toothed silicon escape-wheel.



The 30-second silicon/titanium tourbillon beating at a frequency of 36,000 vph comprises 64 components weighing a total of just 0.18 grams.





#### TOURBILLON

The laws of physics are absolutely clear: in order to compensate for the violence of wrist movements, the tourbillon carriage must be as light as possible and endowed with a maximum frequency and rotation speed, along with minimal weight and inertia.

After two and a half years of research, De Bethune developed the first tourbillon ever truly designed to be worn on the wrist. Thanks to the use of new technologies, this silicon/titanium tourbillon beats at a frequency of 36,000 vibrations per hour, within a carriage that rotates once every 30 seconds. The latter is the lightest ever introduced on the market and comprises 64 parts weighing 0.18 grams in all, meaning four times less than a conventional carriage.

#### CHRONOMETRIC SETTING SYSTEM

The chronometric setting system, a world-first innovation from De Bethune, enables each user to easily adjust the rate of his watch by simply pressing one of the two push-pieces on the back of the watch. To ensure optimal use, the limits of such adjustment are indicated in red through an aperture.



Oiling a tourbillon during the assembly process.



#### FUNDAMENTAL RESEARCH: CONSTRAINT-FREE HIGH FREQUENCY

After several years of study conducted by the engineers and physicists of the De Bethune laboratory, under the guidance of Denis Flageollet, a new fundamental principle of mechanical horology has been developed. Dubbed "mechanical resonics", this discovery is based on the successful synchronisation of a sound frequency oscillator and a magnetic escapement rotor within a mechanical watch. It thereby paves the way for a whole new discipline. Free of any balance and spring assembly or traditional escapement, and composed of a minimum number of parts, the mechanism thus invented by De Bethune shows every promise of achieving the highest levels of precision while eliminating the traditional constraints represented by wear, shock resistance and lubrication.



## THE DE BETHUNE ABSOLUTE CLUTCH SYSTEM

### A PATENTED CHRONOGRAPH INVENTION

De Bethune's absolute clutch marks a significant technological breakthrough in the history of chronographs. Resulting from seven years of continuous research, it aims to radically improve the performance of chronographs by correcting the faults identified in current mechanisms.

This patented invention makes the most of the advantages of the horizontal and vertical clutch systems while eliminating their flaws and optimising the precision of the watch.

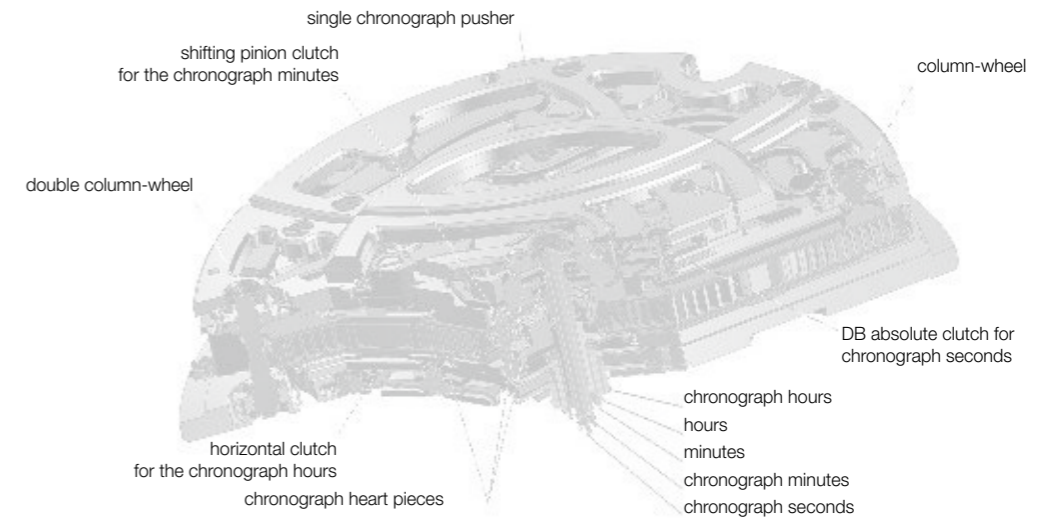
The absolute clutch avoids the hand-jerking and power take-off of the lateral clutch, while also avoiding the excessive weight and size of the wheel and pinion in the vertical clutch, its additional power take-off when the chronograph is not in operation, as well as the maintenance difficulties involved in after-sales service.

The absolute clutch operates in a system engaging the two traditional clutch methods to allow the different chronograph counters to function semi-autonomously:

- The chronograph seconds are governed by the new absolute clutch system;
- The minutes counter is controlled by a shifting pinion;
- The hours counter is engaged by a horizontal clutch.

Three different types of clutch behind three semi-independent systems controlled by three column-wheels thus govern the different chronograph elapsed-time counters. These three chronograph counters constitute a highly complex horological complication comprising a number of parts equivalent to almost three standard chronograph mechanisms.

### DB CHRONOGRAPH MECHANISM



Five central hands of the DB29 Tourbillon Maxichrono.



## MASTERING ENERGY

### THE SELF-REGULATING TWIN BARREL

All De Bethune calibres are equipped with a self-regulating twin barrel ensuring maximum constant power reserve. Moreover, De Bethune has developed an exclusive friction-reduction technology by means of six jewelled blades placed on either side of the spring in order to ensure optimal transmission of maximum energy to the balance-wheel.

### WINDING-SPEED REGULATING SYSTEM

This unique system developed by De Bethune enables the wearers to adjust their watch according to the quantity and speed of their movements. A crown-operated lever offers a choice between three automatic winding speeds: sports (H), medium (M) or low (L). Whatever their usual pace, users can thus modulate the quantity of energy transmitted to the barrel and thereby optimise the tension of the spring as well as the movement's performances.



View of the winding-speed regulating system display on the dial of the DB24 VETROIS.



## ENHANCING VISIBILITY

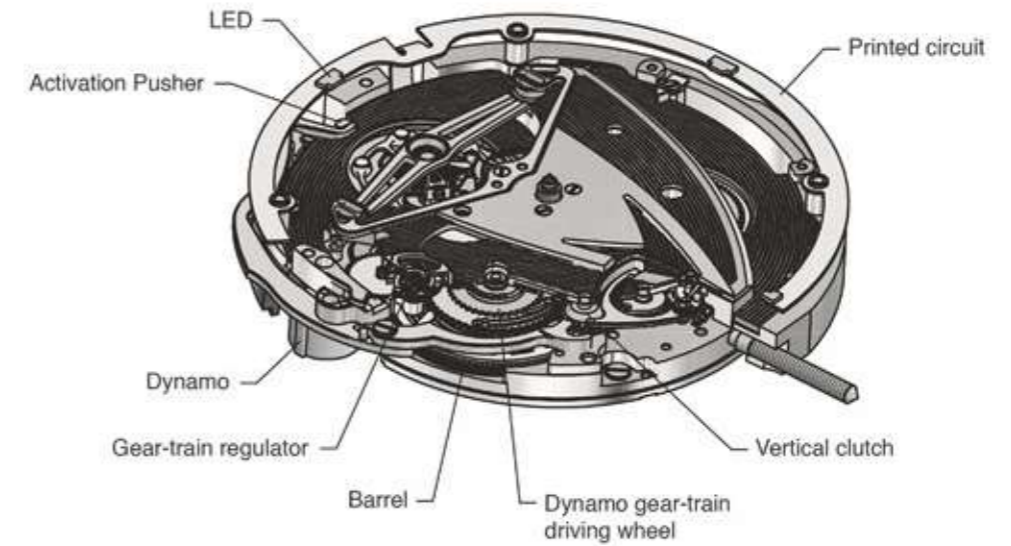
### THE NEW "BLUE MOON" PHOTOLUMINESCENT MATERIAL

Intense and luminous, the crystals at the heart of this new photoluminescent material not only give off the particular Blue Moon tone in natural light of the same tone as the De Bethune blue identical to the titanium blue so peculiar, but also radiate the same hue in the dark, with the same visual intensity. The result is unprecedented. Vibrant, deep, with that unique, immediately recognizable signature, it is the perfect De Bethune blue – with that same blue tonality both day and night. The watch dial is no longer constrained the way it is with a conventional luminescent light. On the contrary, it is augmented. A De Bethune exclusive.

### PARTICULARLY INGENUOUS LIGHTING

Based on the observation that a sports watch must be perfectly readable in any kind of weather and every possible situation, De Bethune developed a special illumination system for the DB28GS Grand Bleu. The simplicity of this effect hides a very complex mechanics. Providing light on-demand with the same principle as a Grande sonnerie for the sound on-demand, the entirely mechanical diving watch is illuminated by pressing a push button at 6 o'clock, which triggers a small gear train driven by the double barrel. Fully mechanical, with no electronics and no battery, the gear operates with a miniature dynamo to generate the energy for illuminating the watch for a few seconds. More than enough to read the time, even in the middle of the night.

### DYNAMO MECHANISM



The Blue Moon photoluminescent material on the DB28GS Grand Bleu.

De BETHUNE  
COLLECTIONS





DB EIGHT  
COLLECTION



#### DB EIGHT

DB3000 calibre – Mechanical hand-wound movement  
Hours, minutes – chronograph monopusher button  
with 60s seconds counter and 60min instantaneous minute  
counter – 60 hours power reserve  
42.4 mm polished grade 5 titanium case with ogival lugs  
Silver-toned hand-guilloché dial – Indication of the 60-minute  
counter by a silvered barley grain engine-turned sub-dial at 6 o'clock  
Polished titanium hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB8RETIS1

DB EIGHT



DB KIND  
OF TWO  
COLLECTION





#### DB KIND OF TWO JUMPING GMT

DB2517 calibre – Mechanical hand-wound movement – Dual front and back display of hours and minutes, jumping seconds – Second time zone (GMT) – 4-day power reserve – 43.3 mm polished grade 5 titanium case with polished grade 5 titanium floating lugs, with case turning mechanism that can be clearly positioned on the front or back side – Extra-supple alligator leather strap with pin buckle

##### Contemporary single-sided display

Minute indication on the periphery  
Hour indication centered around the balance wheel  
at 6 o'clock  
Silver hour ring with polished blued index  
Silver colour minute ring with blue transfer

##### Classic reverse side display

hand-polished and blued titanium hands for hours,  
minutes and dead beat seconds  
Dial silvered and relief, with convex levels and guilloché  
central part

Ref. DBK2V1

DBK2



DB25  
COLLECTION



**DB25 STARRY VARIUS**

DB2005 calibre – Mechanical hand-wound movement  
 Hours, minutes – 6-day power reserve  
 42 mm polished titanium case with integrated hollowed lugs  
 Blued titanium dial set with white gold stars and Milky Way pattern  
 Silver-toned hours and minutes ring with rose gold hour indexes  
 Rose gold hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25VTIS3



**DB25 STARRY VARIUS**

DB2005 calibre – Mechanical hand-wound movement  
 Hours, minutes – 6-day power reserve  
 42 mm rose gold 5N case with integrated hollowed lugs  
 Blued titanium dial set with white gold stars and Milky Way pattern  
 Silver-toned hours and minutes ring with rose gold hour indexes  
 Rose gold hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25VRS3

DB25



#### DB25 STARRY VARIUS

DB2005 calibre – Mechanical hand-wound movement  
Hours, minutes – 6-day power reserve  
42 mm rose gold 5N case with integrated hollowed lugs:  
set with diamonds totalling 1,335 cts  
Blued titanium dial set with white gold stars and Milky Way pattern  
Silver-toned hours and minutes ring with rose gold hour indexes  
Rose gold hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB25VRDJS3

DB25



#### DB25 STARRY VARIUS AÉROLITE

DB2109V4 calibre – Mechanical hand-wound movement  
Hours, minutes, 4-day power reserve  
Ultra-light De Bethune 30" titanium Tourbillon  
36,000 vph – central deadbeat seconds – 30" indicator  
42 mm polished titanium case with integrated lugs  
Blued meteorite dial set with white gold stars and Milky Way Pattern  
Silver-toned hours and minutes ring  
Hand-polished stainless steel hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB25VTM

DB25VTM



#### DB25 GMT STARRY VARIUS

DB2507 calibre — Mechanical hand-wound movement  
Hours, minutes, second time zone (GMT), microsphere day/night indicator, jumping date — 5-day power reserve  
42 mm titanium case with integrated hollowed lugs  
Silver-toned curved date ring with polished and blue markers  
Silver 24h sub-dial with two-tone decals — central dial in 2 parts:  
blue polished titanium with white gold pins / radiant silver microlight decoration and a sunburst insert in polished rose gold  
Hand-polished flamed-blued steel curved hands  
Hand-polished flamed-blued date hand with polished end  
Extra-supple alligator leather strap with pin buckle

Ref. DB25VGTIS3

DB25GMT



**DB25 MOON PHASE STARRY SKY**

DB2105 calibre – Mechanical hand-wound movement  
 Hours, minutes – De Bethune spherical moon phase at 12 o'clock  
 Linear power-reserve indication on the back  
 40 mm white gold case with integrated hollowed lugs set with 61 baguette-cut blue sapphires totalling 5.29 cts  
 Blue titanium dial set with white gold stars and 21 diamonds, moon set with 44 diamonds and 44 blue sapphires at 12 o'clock  
 Hand-polished flame-blued steel curved hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25sJWS3



**DB25 MOON PHASE STARRY SKY**

DB2105 calibre – Mechanical hand-wound movement  
 Hours, minutes – De Bethune spherical moon phase at 12 o'clock  
 Linear power-reserve indication on the back  
 40 mm white gold case with integrated hollowed lugs set with 61 baguette-cut diamonds totalling 4.34 cts  
 Blue titanium dial set with white gold stars and 21 diamonds, moon set with 44 diamonds and 44 blue sapphires at 12 o'clock  
 Hand-polished flame-blued steel curved hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25sJWS1

DB25L



#### DB25 PERPETUAL CALENDAR

DB2324QP calibre – Mechanical self-winding movement  
 Hours, minutes – 5-day power reserve  
 Perpetual calendar with date at 6 o'clock, days at 9 o'clock  
 and months at 3 o'clock  
 De Bethune spherical moon-phase and leap-year indicator  
 subdial at 12 o'clock  
 44 mm platinum case with integrated hollowed lugs  
 Rose gold-toned hand-guilloché dial  
 Hand-polished flame-blued steel curved hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25QPAPS2



#### DB25 PERPETUAL CALENDAR

DB2324QP calibre – Mechanical self-winding movement  
 Hours, minutes – 5-day power reserve  
 Perpetual calendar with date at 6 o'clock, days at 9 o'clock  
 and months at 3 o'clock  
 De Bethune spherical moon-phase and leap-year indicator  
 subdial at 12 o'clock  
 44 mm grade 5 titanium case with integrated hollowed lugs  
 Green hand-guilloché dial  
 Hand-polished steel curved hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB25QPATIS4

DB25QP





#### DB25 QP40MM

DB2324QP calibre – Mechanical self-winding movement  
Hours, minutes – 5-day power reserve  
Perpetual calendar with date at 6 o'clock, days at 9 o'clock and months at 3 o'clock  
De Bethune spherical moon-phase and leap-year indicator subdial at 12 o'clock  
40 mm titanium case with integrated hollowed lugs  
Bicolor silver and blue hand-guilloch  dial  
Hand-polished steel curved hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB25sQPATIS13

DB25sQP



DB27  
COLLECTION



**DB27 TITAN HAWK V2**

AUTOV2 calibre – Mechanical self-winding movement  
 Hours, minutes, seconds  
 60 hours power reserve  
 43 mm mirror-polished titanium case with microlight decoration  
 Brushed titanium floating lugs; available in short size  
 Silver-toned microlight dial centre surrounded by a chapter ring  
 with Roman numerals and minute circle with Arabic numerals  
 Sandblasted steel hands with hand-polished flame-blued steel  
 Hand-polished flamed-blued steel seconds hand  
 Extra-supple alligator leather strap with pin buckle

Ref. DB27TIS1V2



**DB27 TITAN HAWK V2**

AUTOV2 calibre – Mechanical self-winding movement  
 Hours, minutes, seconds  
 60 hours power reserve  
 43 mm mirror-polished titanium case with microlight decoration  
 Brushed titanium floating lugs; available in short size  
 Royal blue microlight dial centre surrounded by a chapter ring  
 with Roman numerals and minute circle with Arabic numerals  
 Sandblasted flame-blued steel hands with hand-polished steel  
 Hand-polished steel seconds hand  
 Extra-supple alligator leather strap with pin buckle

Ref. DB27TIS3V2



DB28  
COLLECTION



#### DB28XS STARRY SEAS

DB2005 calibre – Mechanical hand-wound movement  
Hours, minutes – 6-day power reserve  
38.7 mm polished grade 5 titanium case – titanium floating lugs  
Random guilloché blued titanium dial (world's first) – Starry sky  
with white gold stars  
Polished titanium hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB28xsTIS3

DB28xs



#### DB28XP

DB2115v6 calibre – Mechanical hand-wound movement  
 Hours, minutes – 6-day power reserve  
 43 mm polished grade 5 titanium case with microlight  
 decoration – titanium floating lugs  
 Polished titanium barrel bridge and triangular central  
 bridge guards with straight-grained chamfered contours  
 Titanium dial base with "microlight" decoration centred  
 on the balance  
 Polished titanium hands with polished blued titanium inserts  
 Extra-supple alligator leather strap with pin buckle

Ref. DB28XPTIS1



#### DB28XP STARRY SKY

DB2115v7 calibre – Mechanical hand-wound movement  
 Hours, minutes – 6-day power reserve  
 43 mm polished grade 5 titanium case with microlight  
 decoration – titanium floating lugs  
 Titanium dial with "microlight" decoration – Starry sky  
 with white gold stars  
 Dial featuring an opening revealing the balance,  
 surrounded by a chamfered polished steel rim  
 Hand-polished rose gold hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB28XPTIS3V2

DB28XP



**DB28**

DB2115V4 calibre – Mechanical hand-wound movement  
 Hours, minutes – Power reserve indication – 6-day  
 power reserve – De Bethune spherical moon phase at  
 6 o'clock – Performance indicator – 42.60 mm mirror-  
 polished titanium case – Titanium or blued titanium  
 floating lugs; available in short or long size  
 Black with Côtes De Bethune decoration  
 and mirror-polished steel bridge  
 Mirror-polished and silver-toned minutes ring  
 Hand-polished stainless steel hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB28TIS8C6PN



**DB28**

DB2115V4 calibre – Mechanical hand-wound movement  
 Hours, minutes – Power reserve indication – 6-day  
 power reserve – De Bethune spherical moon phase  
 at 6 o'clock – Performance indicator – 42.60 mm  
 mirror-polished titanium case with titanium floating lugs;  
 available in short or long size  
 Ruthenium with Côtes De Bethune decoration and  
 mirror-polished steel bridge  
 Mirror-polished and blued titanium hours ring  
 Hand-polished flamed-blued steel hands  
 Extra-supple alligator leather strap with pin buckle

Ref. DB28TIS5C3PN

DB28



#### DB28 TOURBILLON

DB2019 calibre – Mechanical hand-wound movement  
Hours, minutes – 5-day power reserve – Ultra-light  
De Bethune 30\* silicon/titanium Tourbillon 36,000 vph  
42.60 mm mirror-polished titanium or rose gold case  
Titanium, blued titanium or anthracite zirconium floating  
lugs; available in short or long size – Black mirror-polished  
stainless steel bridge  
Mirror-polished and silver-toned minutes ring  
Hand-polished stainless steel hands  
Extra-supple alligator leather strap with pin buckle

Ref. DB28TTIS8

DB28T





#### DB28 DIGITALE

DB2144 calibre – Mechanical hand-wound movement  
Hours, minutes – 5-day power reserve  
De Bethune spherical moon phase at the centre  
45 mm mirror-polished titanium case with floating lugs;  
available in short or long size  
Silver-toned hand-guilloché barleycorn motif dial  
Jumping-hour aperture at 12 o'clock – Analogue minutes  
indicator on a silver-toned rotating disc  
Extra-supple alligator leather with pin buckle

Ref. DB28DN

DB28D



#### DB28GS JPS

DB2080 calibre – Mechanical hand-wound movement  
Hours, minutes, seconds, power reserve indication – 5-day power reserve  
Dial lighting produced by an entirely mechanical via a pusher at 6 o'clock  
44 mm black zirconium case with microlight decoration, black brushed and polished harden stainless steel caseback and bezel  
Floating lugs in black brushed harden stainless steel with yellow polished grade 5 titanium insert  
Rotating bezel crystal with metallised minutes ring  
Black titanium hours and minutes hands with black polished steel insert and second yellow steel insert, luminescent tip  
Polished steel seconds hand with luminescent tip  
Folding clasp in black brushed harden stainless steel

Ref. DB28GSV2JPS  
Limited edition: 50 pieces

DB28GS



#### DB28GS GRAND BLEU

DB2080 calibre – Mechanical hand-wound movement  
Hours, minutes, seconds, power reserve indication – 5-day power reserve  
Dial lighting produced by an entirely mechanical via a pusher at 6 o'clock  
44 mm black zirconium case with microlight decoration, brushed and polished grade 5 titanium caseback and bezel  
Floating lugs in brushed grade 5 titanium  
Rotating bezel crystal with metallised minutes ring  
Blued titanium hours and minutes hands with polished steel insert and second blued steel insert, luminescent tip  
Polished steel seconds hand with luminescent tip  
Folding clasp in brushed grade 5 titanium

Ref. DB28GSV2AN

DB28GS



DB29  
COLLECTION



#### DB29 TOURBILLON MAXICHRONO

DB2039 calibre – Mechanical hand-wound movement  
Hours, minutes – Mono-pusher chronograph with 24-hour,  
60-minute and 60-second counters  
Ultra-light De Bethune 30° silicon/titanium Tourbillon 36,000 vph  
on the back – 5-day power reserve  
46 mm 5N rose gold case with cone-shaped lugs  
Silver-toned dial with central hours counter – Hours inner ring  
Minutes ring and minutes counter – Outer ring with chronograph  
seconds indication  
5 curved central hands – Hand-polished and flame-blued steel  
for hours and minutes hands and chronograph hours and  
seconds indicators – Chronograph minutes indicator in rose gold  
Extra-supply alligator leather strap with pin buckle

Ref. DB29RS1

DB29MT

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<b>Publisher &amp; Art Direction</b>	De Bethune
<b>Editorial Management &amp; Copywriting</b>	Opus Magnum, <i>Geneva</i>
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<b>Translation</b>	Susan Jacquet, Transcribe
<b>Photolithography</b>	Images3, <i>Renens</i>
<b>Printing</b>	Imprimerie G. Chapuis S.A

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L'ART HORLOGER AU XXI<sup>e</sup> SIÈCLE