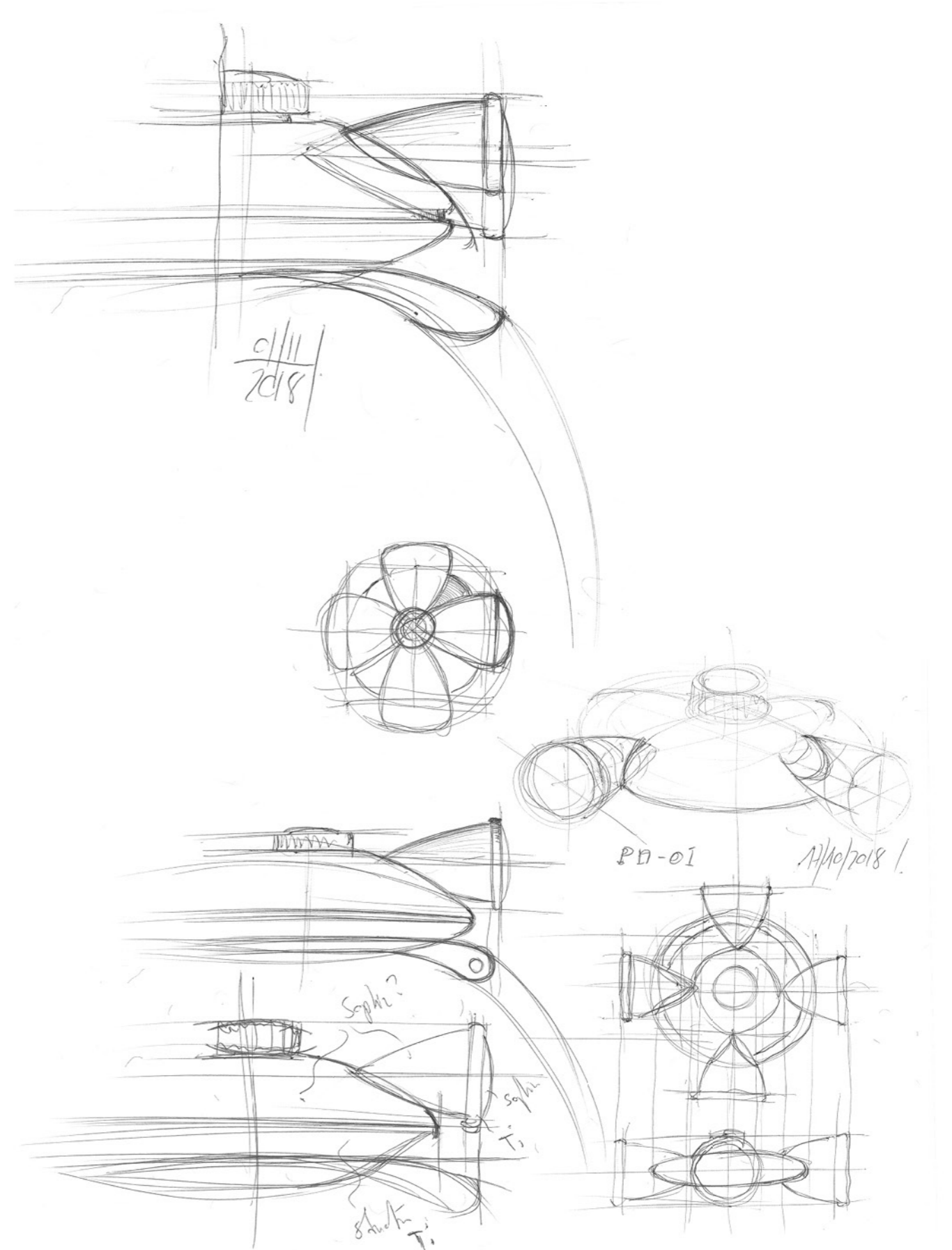


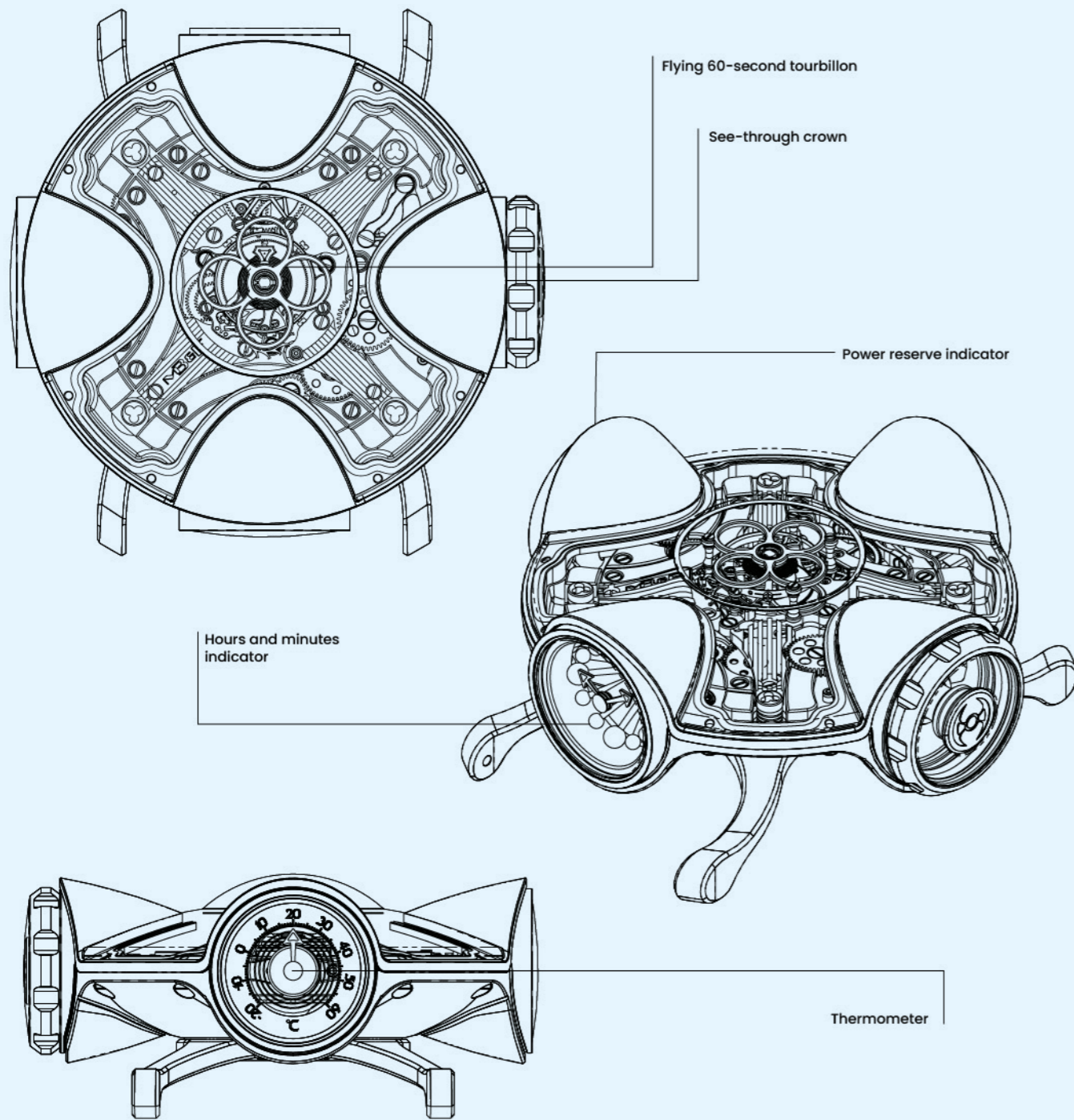
MB&F

Collection 2024



Horological Machine N°11 Architect





HM11 Architect

With HM11 Architect, MB&F blurs the line between watch-making and architecture. During the 1960s, architecture entered an experimental phase, one that was surprisingly humanistic in its approach. These architects built houses that appeared as if they had been exhaled out of the earth: they bubbled, they undulated, they arched... and when MB&F founder Maximilian Büsser looked at them, he thought, "What if those houses were a watch?" A central flying tourbillon forms the heart of HM11, pushing skyward under a double-domed sapphire roof. From this spinning core, four symmetrical rooms reach outwards, each containing a different function. To wind the movement – and decide the orientation of the rooms – the entire HM11 case rotates around its base.

Material: grade 5 titanium

Dimensions:
diameter 42mm × height 23mm

Water resistance:
20m / 2ATM / 68 feet

4 rooms with separate functions:
hours and minutes, power reserve
indicator, temperature (Celsius
or Fahrenheit), and time setting
crown in sapphire crystal

In-house manual winding
movement

Three-dimensional vertical
architecture, central 60-second
flying tourbillon

360° bi-directional rotating case,
winds the movement clockwise

Power reserve: 96 hours

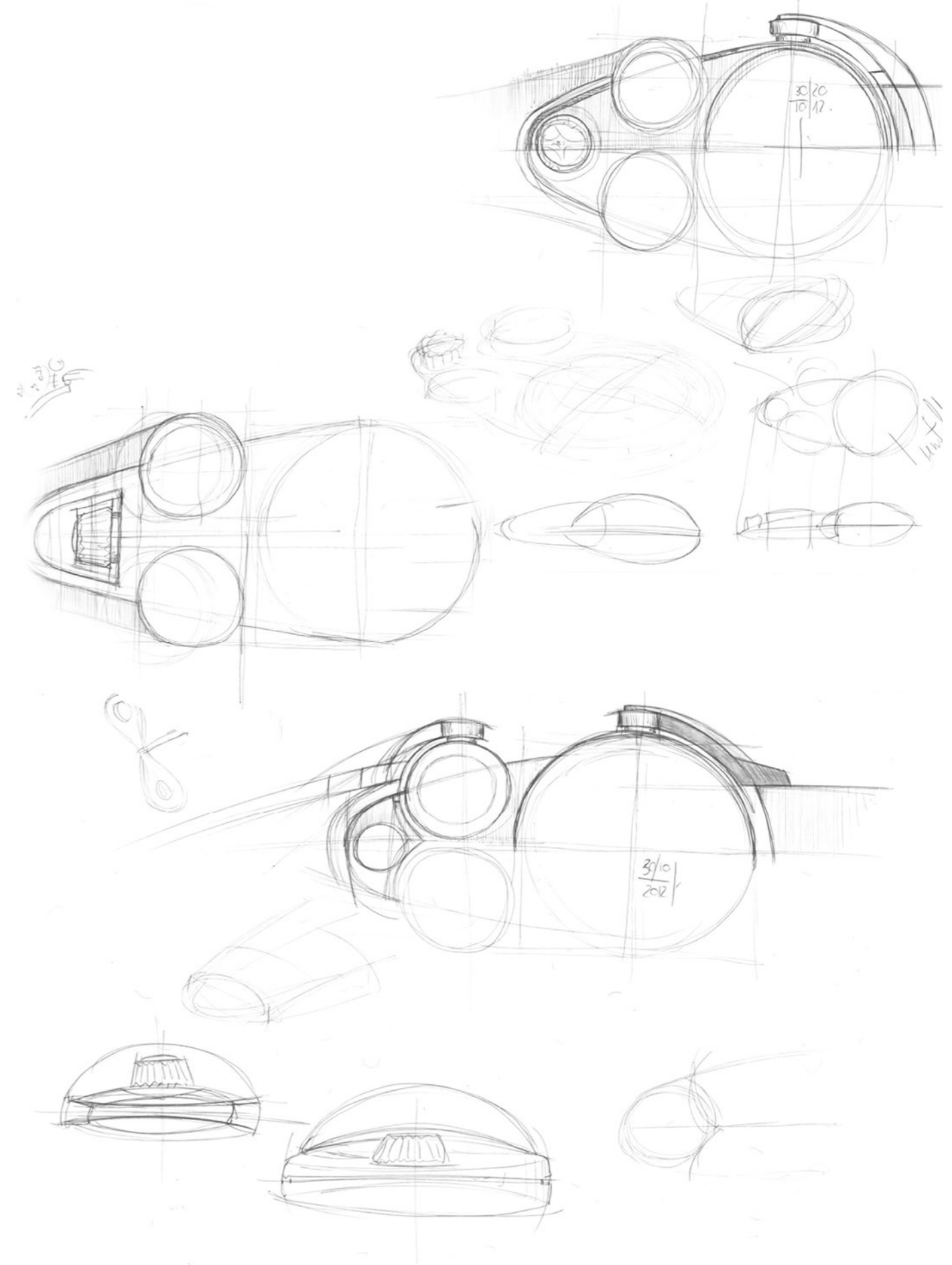
364 components / 29 jewels

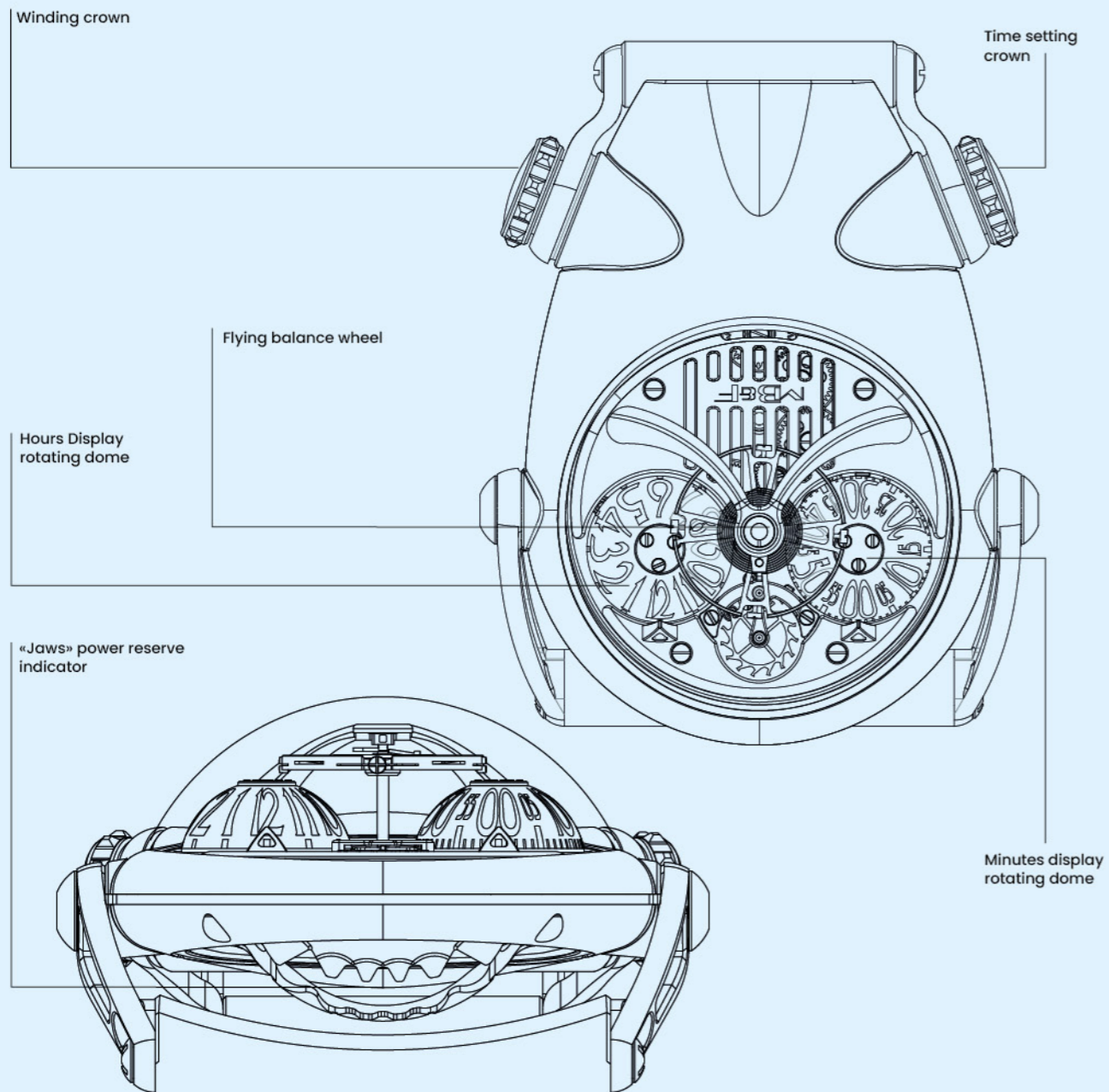
Available in titanium, with blue
bridges or red gold bridges (both
limited to 25 pieces)





Horological Machine N°10 Bulldog





HM10 Bulldog

The relationship between man and watch is as nuanced as the one between man and dog; in some cases, the watch chooses its owner as much as the other way around. The HM10 takes its nickname from several bulldog-like elements: a round, compact body, two prominent aluminium time-display “eyes” rolling at anyone who dares look its way, a collar studded with projections that allow you to operate the crowns, and stout but flexible “legs” that wrap firmly around your wrist. There is also a hinged jaw, which opens and shuts according to the amount of power left in its mainspring. If you can clearly see the rows of shining teeth lining the jaws, beware, because that means “Bulldog” is full of fight, charged up with 45 hours of mainspring energy.

Material: grade 5 titanium or 18K red gold

Dimensions: 54mm × 45mm × 24mm

Water resistance: 50m / 5ATM / 160 feet

Hours on the left dome (rotating in 12 hours), minutes on the right dome (60 minutes) and power reserve indicator (jaw)

In-house manual winding movement

Flying balance wheel with regulating screws above the domed dials

Super-LumiNova on the hour and minute domes and markers

Power reserve: 45 hours

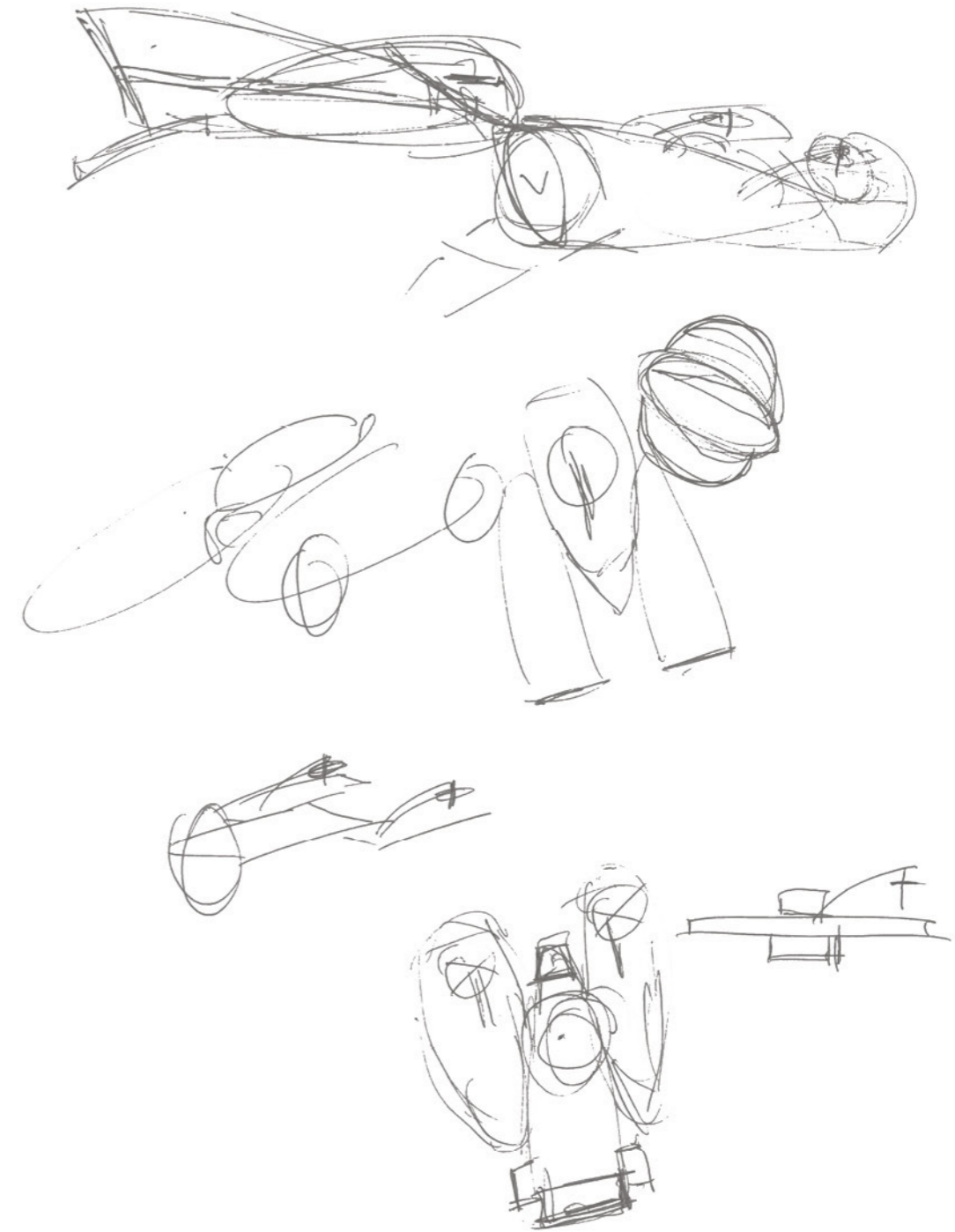
301 components / 34 jewels

Available in grade 5 titanium and 18K red gold

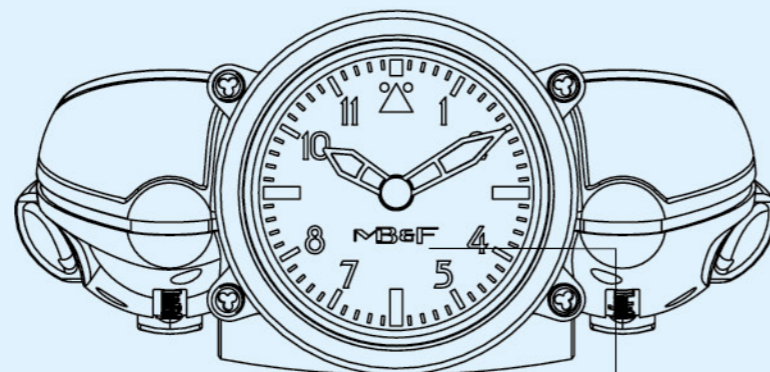




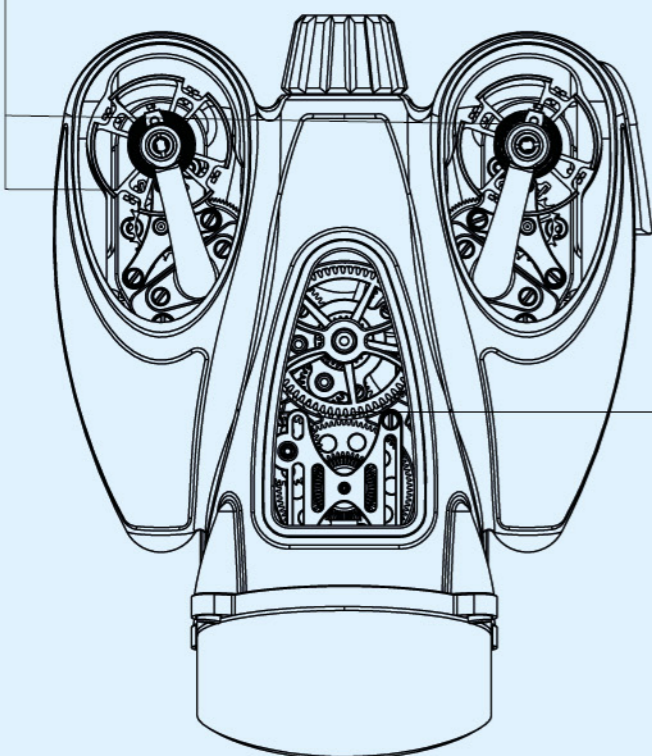
Horological Machine N°9 Flow



Two fully independent
balance wheels



Vertical display
Hours and minutes



Planetary
differential

HM9 Flow

In the late 1940s and 50s, aerodynamic principles were just beginning to take root in automotive and aviation design. The boxy shapes of previous decades were melting into something more curvilinear and streamlined, carrying the promise of power and speed – but designers were guided more by their aesthetic sense than by any scientific precepts. Inspired by those dynamic profiles, HM9's geometrically complex combination of metals and sapphire crystal redefines what was thought to be possible in case design. Inside, an equally complex movement; twin balance wheels beat independently on each flank, while the central body reveals a planetary differential that averages the output of both balances, providing one stable reading of the time.

Material: grade 5 titanium,
18K red gold

Dimensions:
57mm × 47mm × 23mm

Water resistance:
30m / 3ATM / 90 feet

Hours and minutes on vertical
dial display

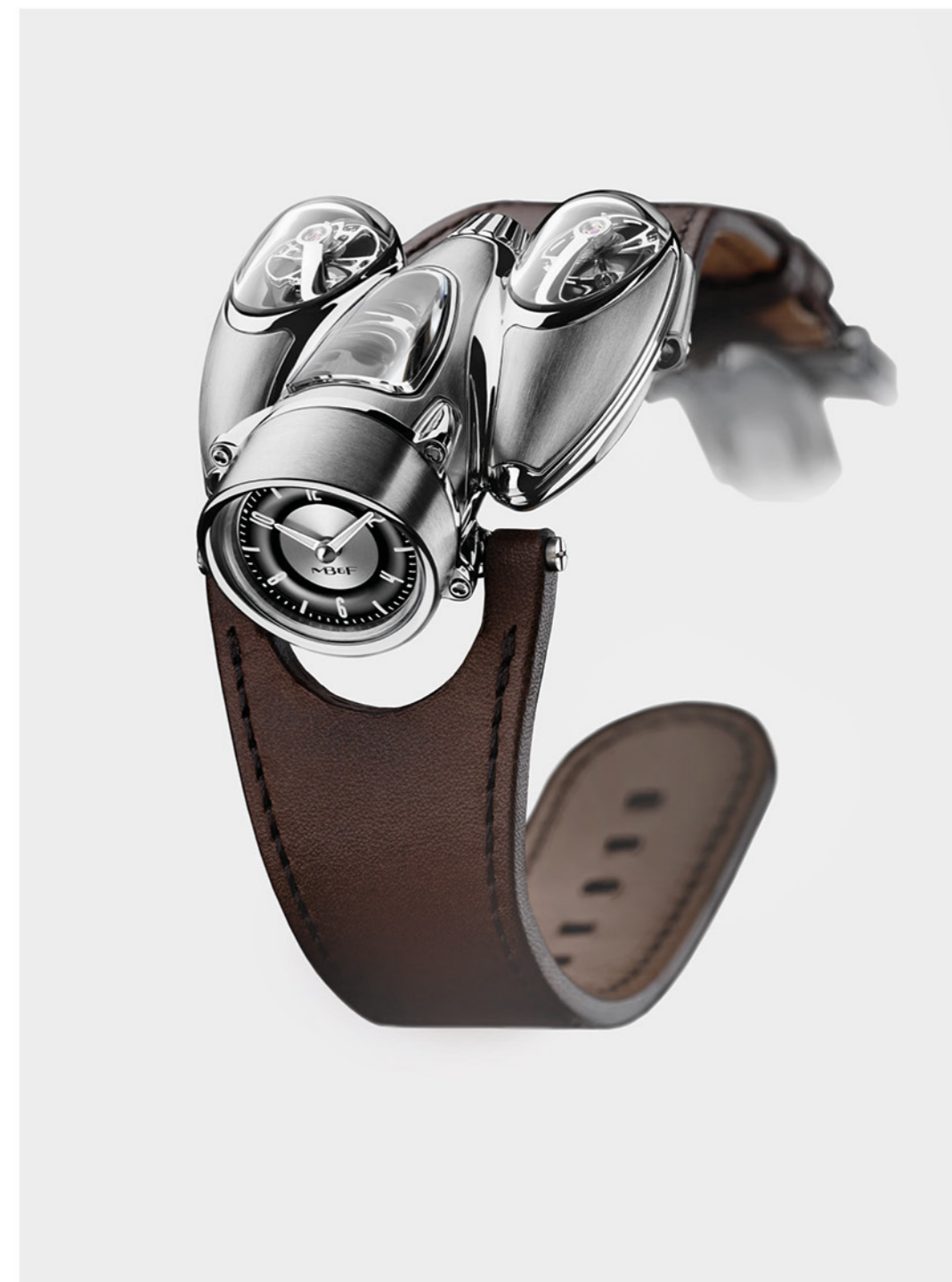
In-house manual winding
movement

Two fully independent balance
wheels with central planetary
differential

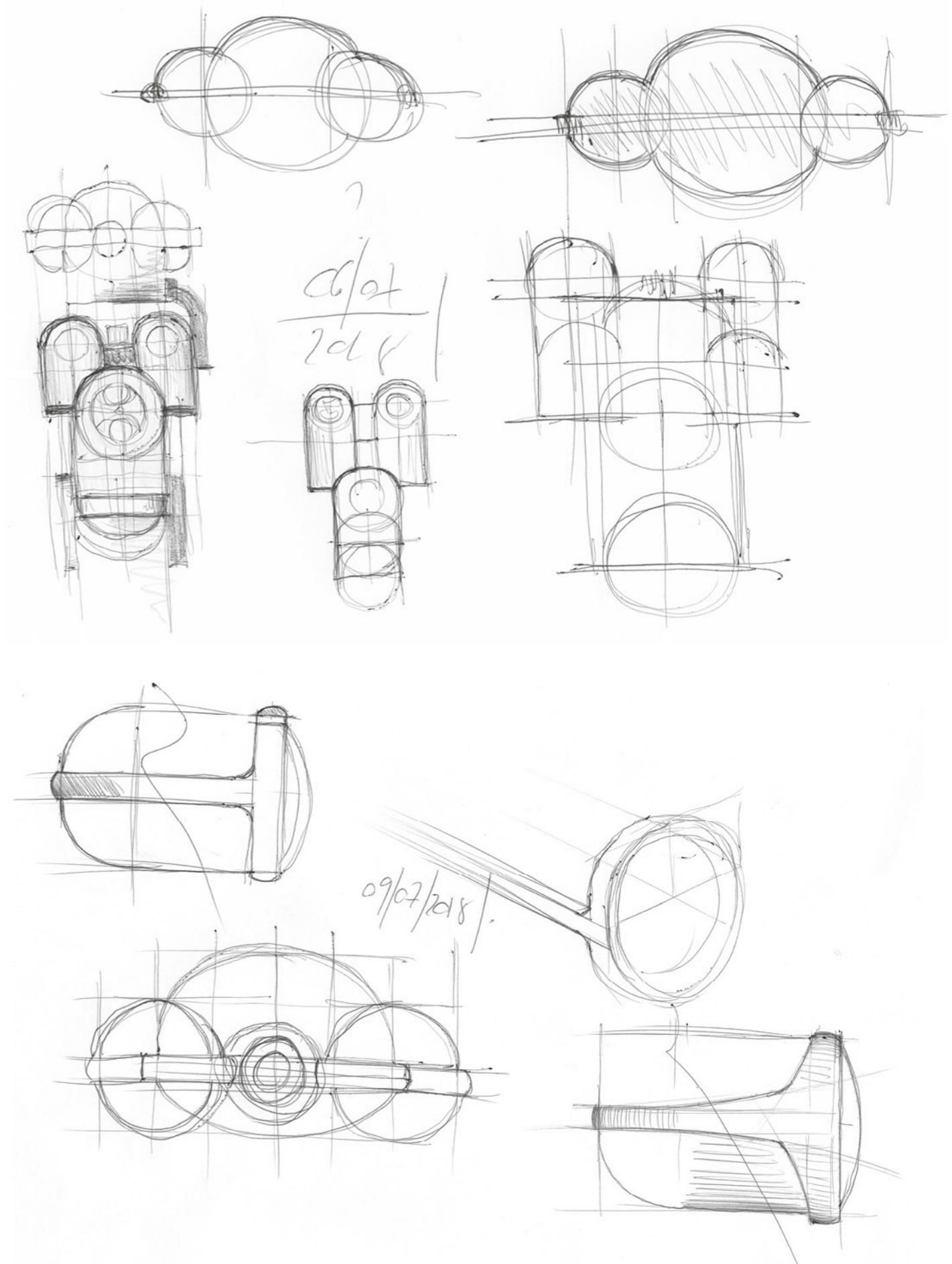
Power reserve: 45 hours

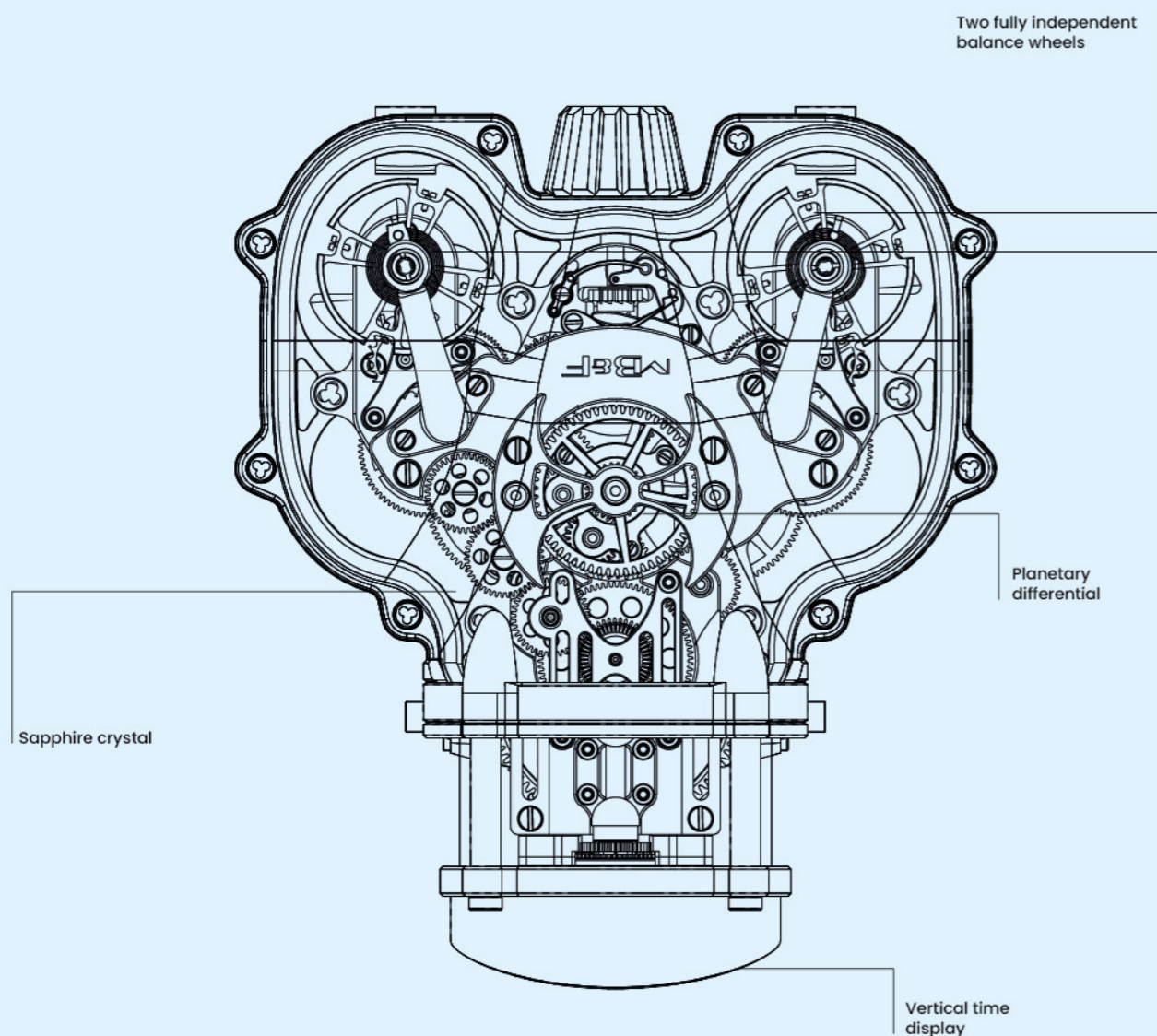
301 components / 43 jewels

Available in titanium, Air or Road
versions (limited to 33 pieces
each), and in red gold, Air or Road
versions (limited to 18 pieces
each)



Horological Machine N°9 Sapphire Vision





HM9 SV

Notwithstanding the striking external appearance of the original HM9 editions, the movement inside was also described at the time as the most beautiful movement MB&F had created to date. What other logical step was there to take, if not to encase the HM9 engine in a transparent shell of sapphire crystal? This gave birth to the HM9 'Sapphire Vision' editions – aka HM9-SV. The SV editions are further distinguished by propellers, co-axial beneath each of the balances: twin turbines that spin freely as an element of pure visual interest, waiting for someone to begin this new underwater exploration.

Material: sapphire crystal with 18K yellow or white gold (total of five sapphire crystals treated with anti-reflective coating)

Dimensions:
57mm x 47mm x 23mm

Water resistance:
30m / 3ATM / 90 feet

Hours and minutes on vertical dial display

In-house manual winding movement

Two fully independent balance wheels with central planetary differential

Power reserve: 45 hours

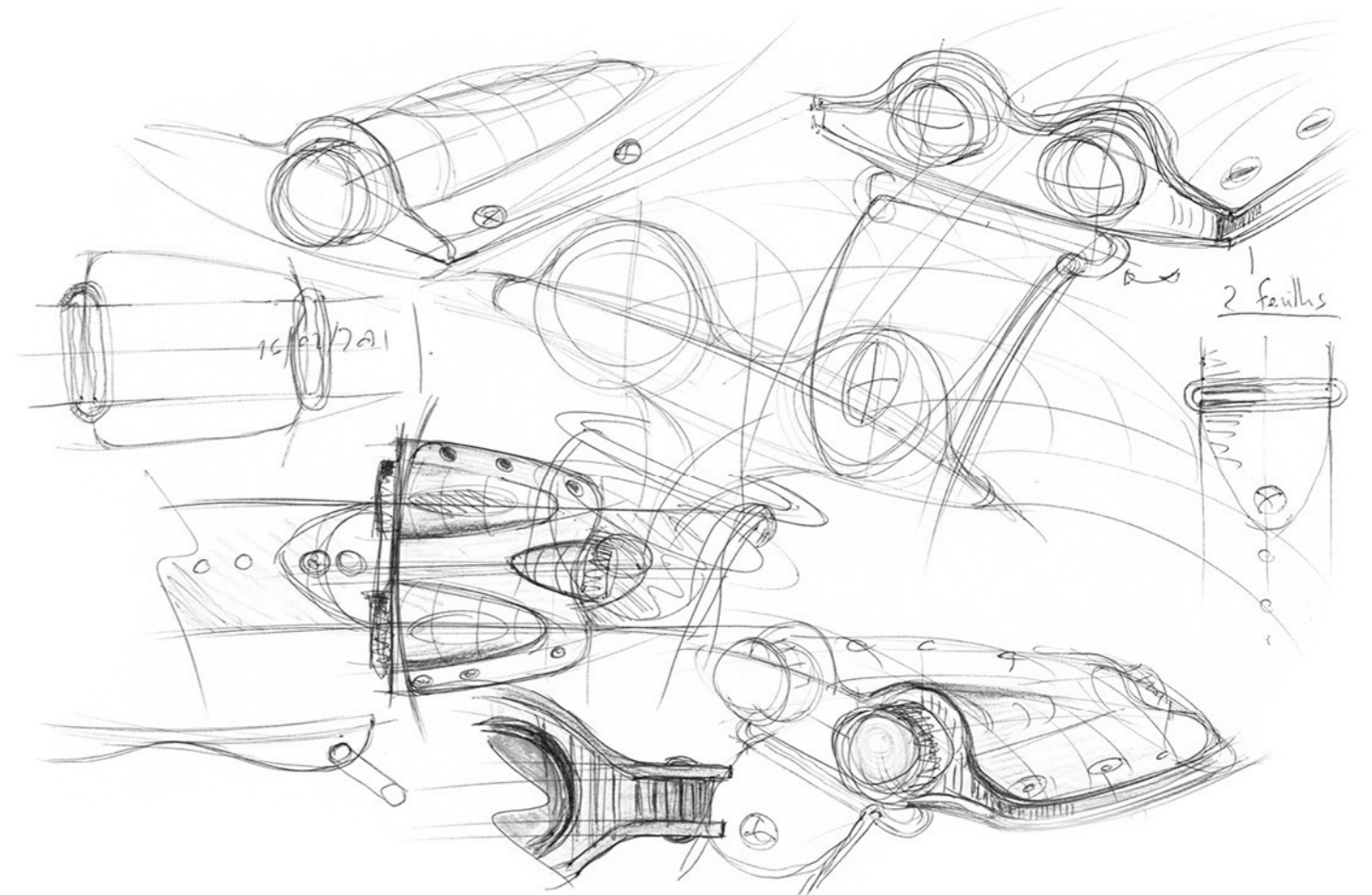
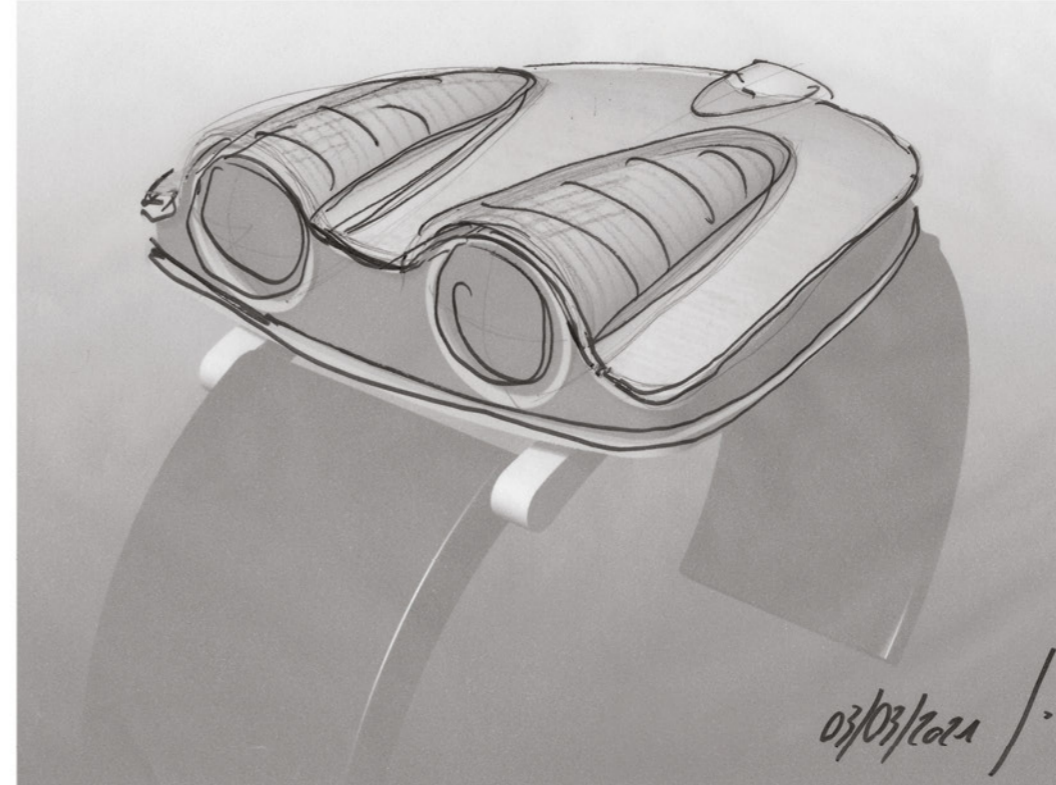
301 components / 52 jewels

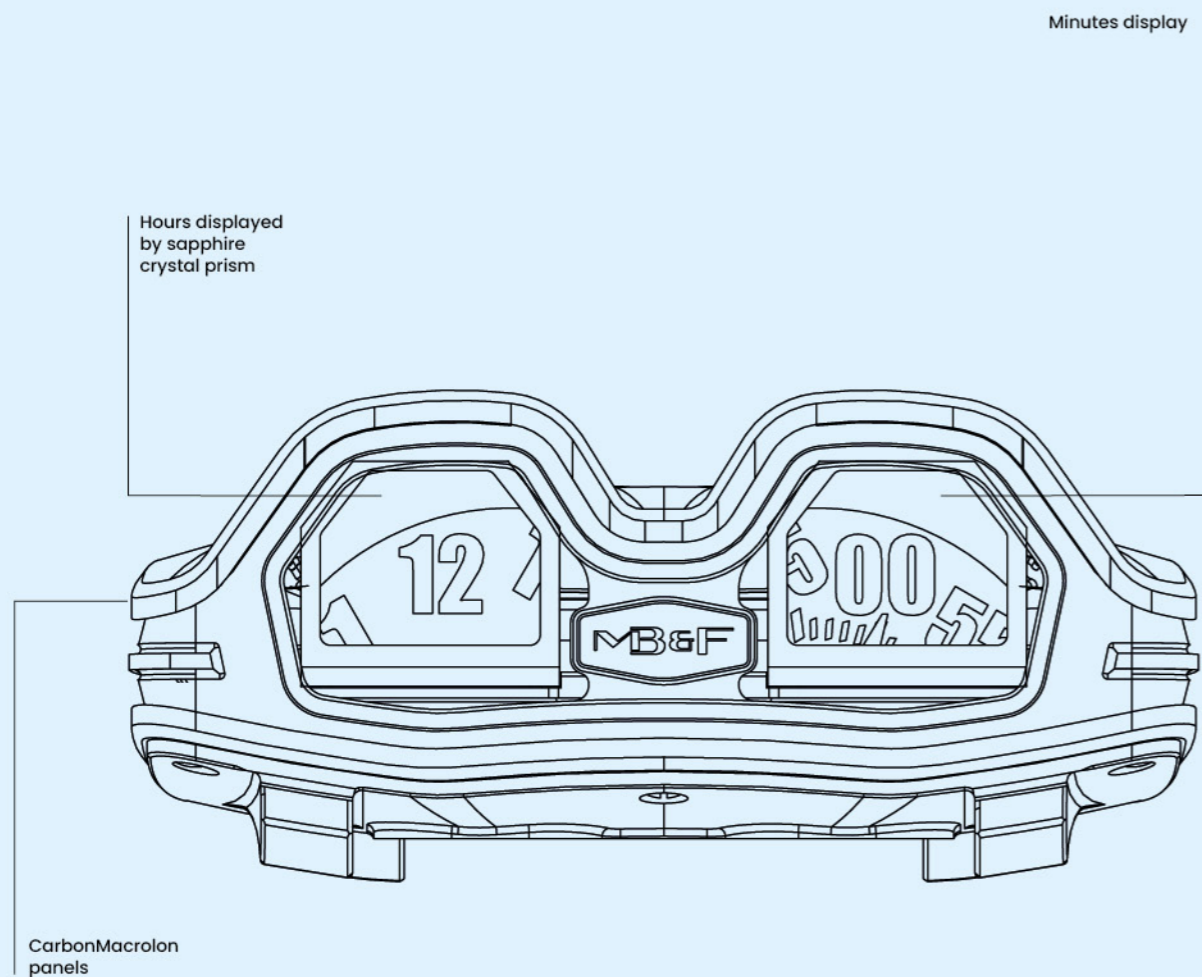
Available in sapphire crystal with yellow gold frame and green movement, or white gold frame with blue movement (both limited to 5 pieces)





Horological Machine N°8 Mark 2





HM8 Mark 2

MB&F's connection to cars runs deep, starting in 2012 with the HM5, followed by the HMX and HM8. Each of these iterations is instantly recognizable by its lateral speedometer-style display; a unique combination of mechanical and optical engineering, featuring sapphire crystal prisms. The HM8 Mark 2 takes the best features of its predecessors and fuses them into a very different Machine. From HM5, it takes the external bodywork's supercar styling; from HMX, the ergonomic, compact size; and from HM8, the visible mechanics with its dial-side winding rotor. Place all this within an aerodynamic sandwich of CarbonMacrolon, grade 5 titanium and hyper-complex sapphire crystal, and you get a true supercar for the wrist.

Material: grade 5 titanium and CarbonMacrolon®

Dimensions:
47mm × 41.5mm × 19mm

Water resistance:
30m / 3ATM / 90 feet

Bi-directional jumping hours and trailing minutes, displayed by dual reflective sapphire crystal prisms with integrated magnifying lens

Automatic winding movement

Jumping hour and trailing minutes

Module developed by MB&F, powered by a Girard-Perregaux base movement

Sapphire crystals on top, front and display back treated with anti-reflective coating on both faces

Power reserve: 42 hours

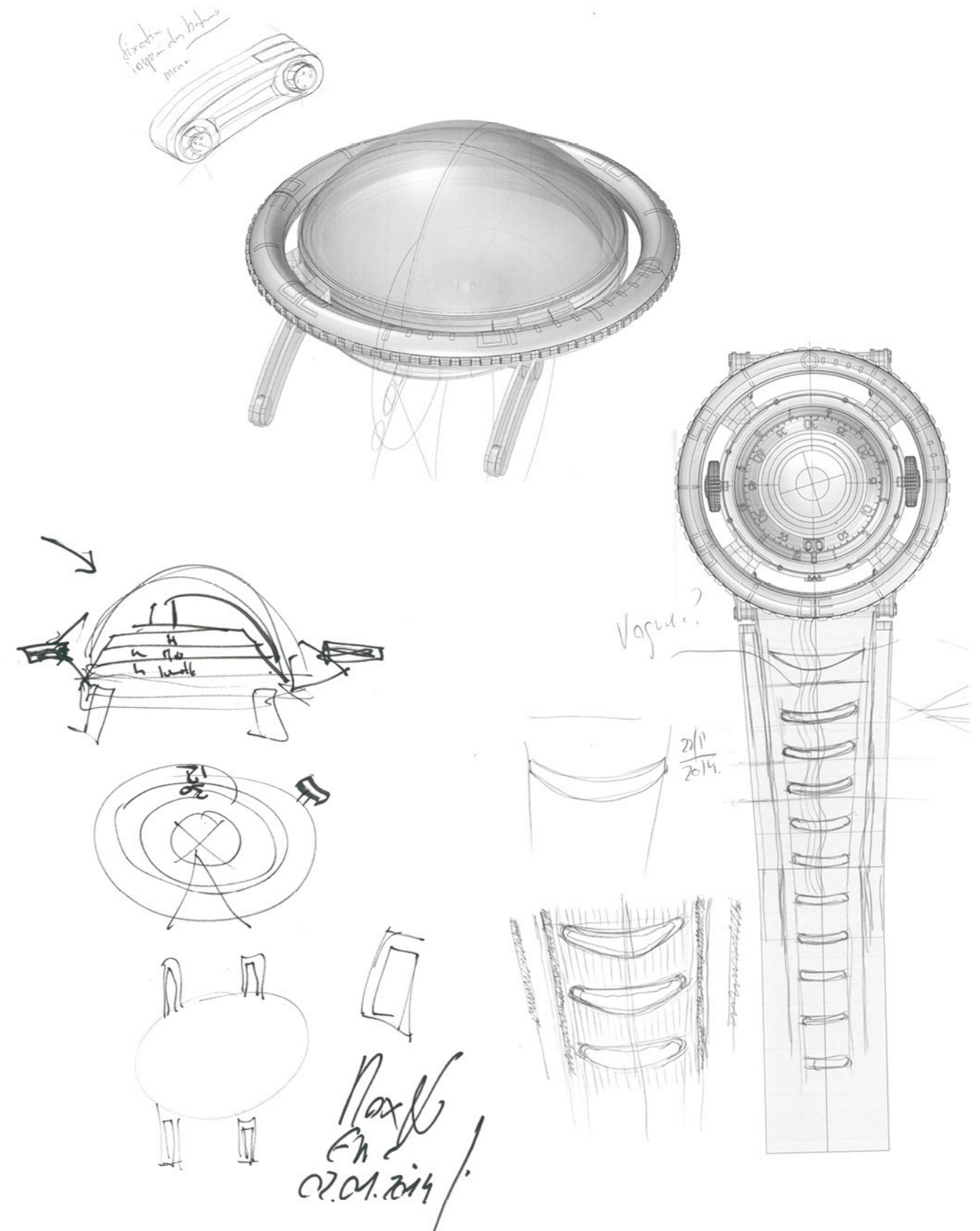
247 components / 30 jewels

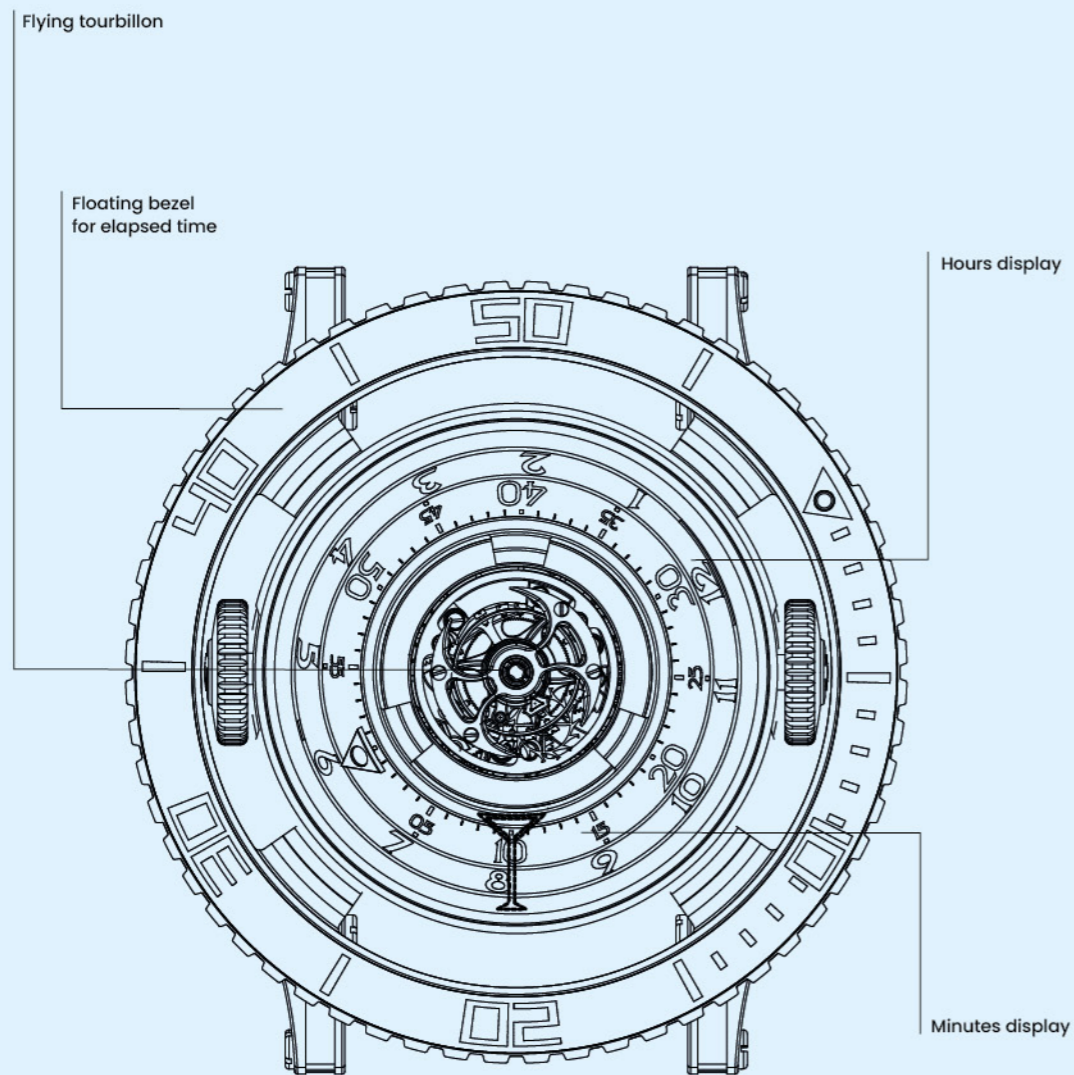
Available in titanium, with green panels (limited to 33 pieces) or white panels





Horological Machine N°7 Aquapod





HM7 Aquapod

Born from a painful encounter with a jellyfish during a family vacation, the organic design of HM7 Aquapod is counter-balanced by the very mechanical horology within. Spherically three-dimensional, all its mechanisms – from the tentacle-like winding rotor at the bottom, to the 60-second flying tourbillon on top – rotate concentrically around the central axis, with indications radiating out from the centre like ripples in a pond... all the way out to the unidirectional rotating bezel, which seems to float outside of the case. The curves of the high-domed sapphire crystal are mirrored in the shape of the time display rings.

Material: platinum 950 or 18K red gold

Dimensions: diameter 53.8mm x height 21.3mm

Water resistance: 50m / 5ATM / 160 feet

Hours and minutes displayed by two aluminium/titanium spherical segment discs; for the Platinum Red edition, three-dimensional "floating" hour and minute numerals

Unidirectional rotating bezel for elapsed time

In-house automatic winding movement, flying tourbillon

Three-dimensional vertical architecture, 3 panels of AGT lume around the flying tourbillon

Power reserve: 72 hours

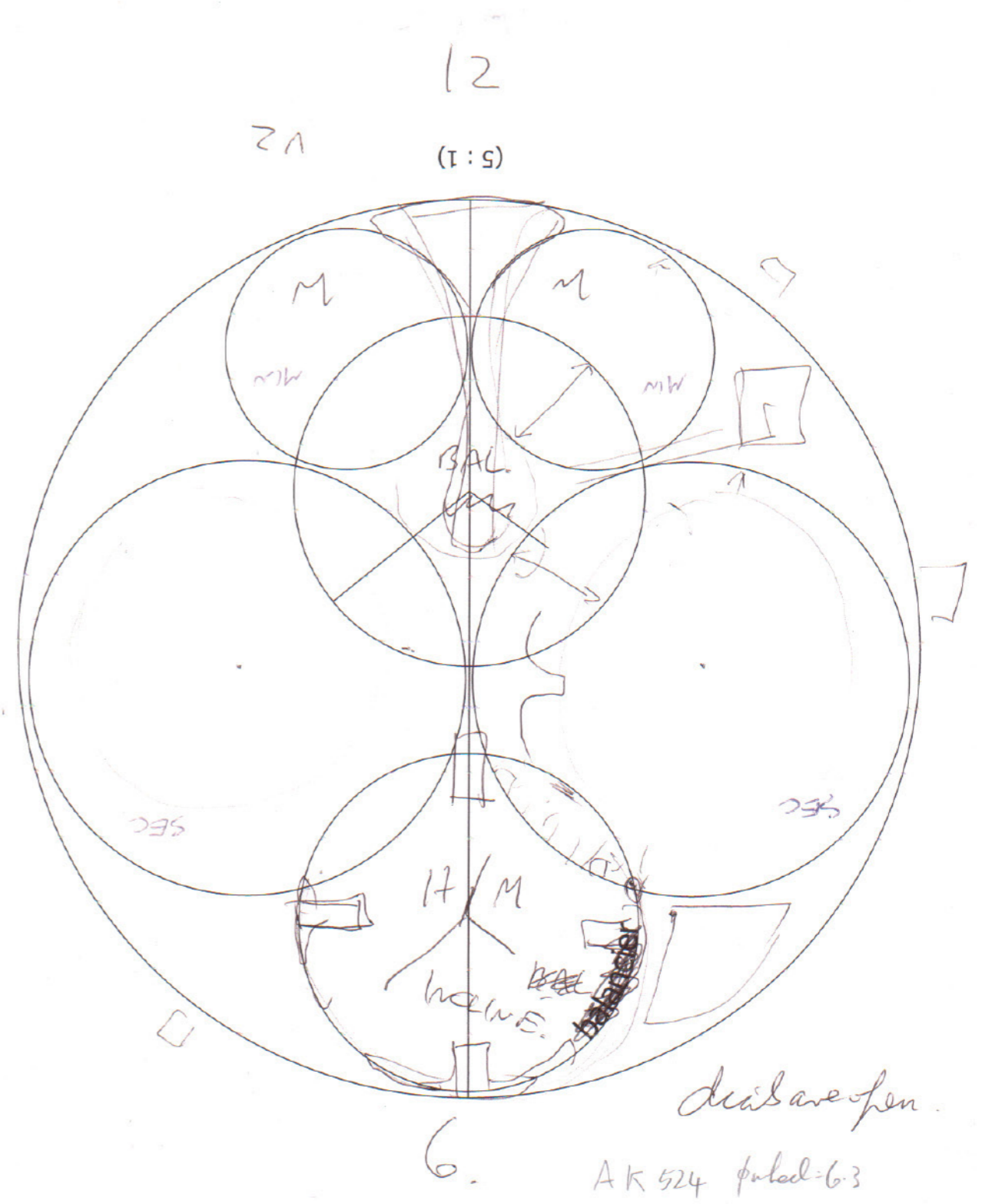
303 components (391 for the Platinum Red edition) / 35 jewels

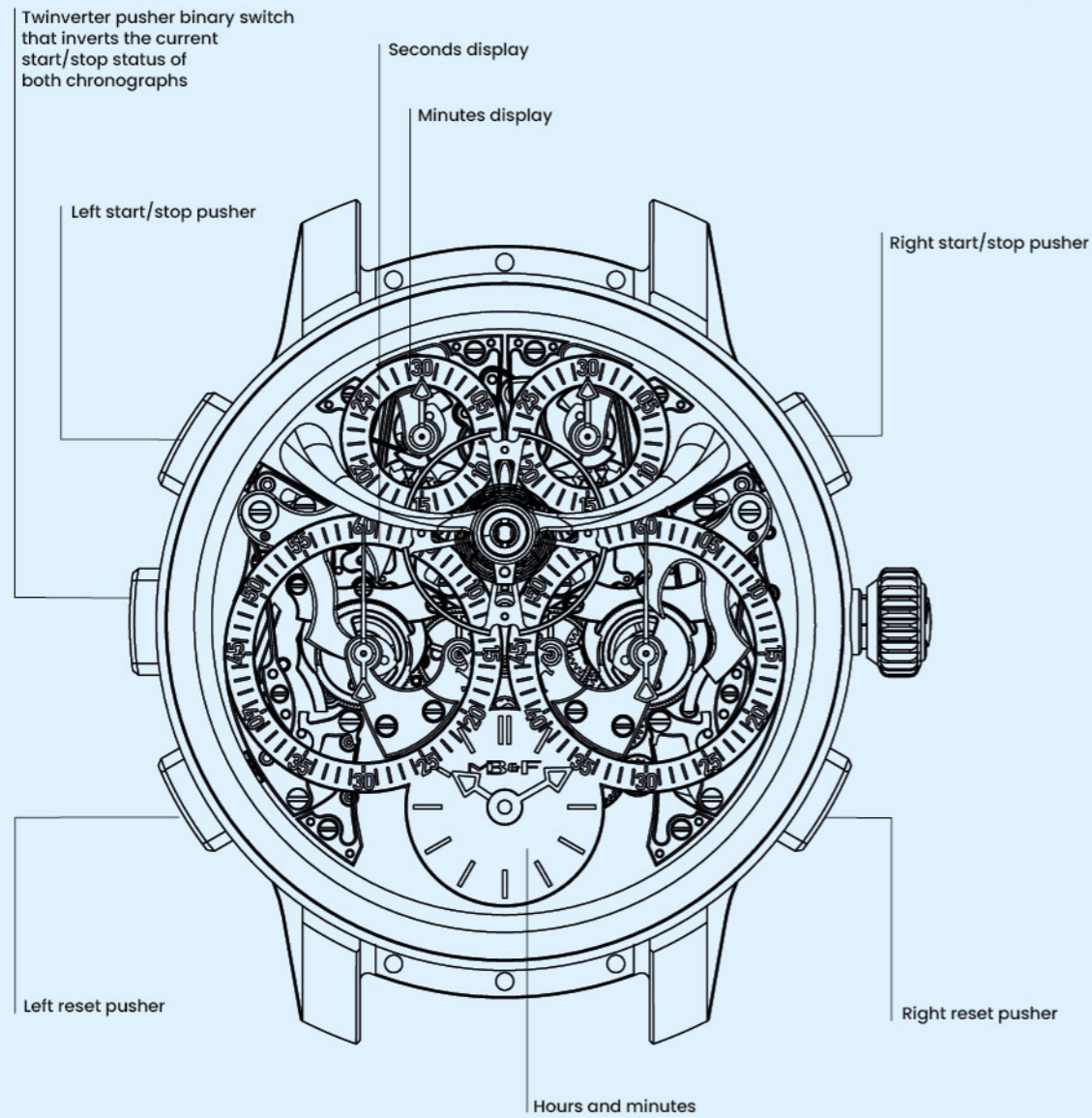
Available in platinum with red bezel (limited to 25 pieces), red gold with black bezel (limited to 66 pieces), or titanium with green bezel (limited to 50 pieces)





Legacy Machine Sequential EVO





LM Sequential EVO

Conceived by independent watchmaker Stephen McDonnell for MB&F, LM Sequential EVO explodes the limits of what we thought chronographs could do. Running on a single movement, LM Sequential EVO features two column-wheel chronographs that can be started, stopped, and reset completely independently of each other, using their respective start/stop and reset pushers... But the revolutionary "Twinverter" binary switch also allows split-second, sequential (lap timer), and even a cumulative "chess match" mode; a combination never seen before in any previous wristwatch. The EVO case in zirconium features 80 metres of water resistance, a screw-down crown, an integrated rubber strap, and the FlexRing shock absorber.

Material: zirconium

Dimensions:
diameter 44mm × height 18.2mm

Water resistance:
80m / 8ATM / 270 feet

Fully integrated dual chronograph system featuring Twinverter switch allowing multiple timing modes

FlexRing shock absorber

In-house manual winding movement with double mainspring barrels

Flying balance wheel with regulating screws at 12 o'clock

Power reserve: 72 hours

585 components / 59 jewels

Available in zirconium with atomic orange or coal black dial plate





Legacy Machine Perpetual

RETROGRADE HAIRSPRINGS.

DATE: $D = 5.80$, $d = 1.60$, $CGS = 0.10$.

$$C = \frac{CGS}{100(D^2 - d^2)} = \frac{0.8}{100(5.8^2 - 1.6^2)} = \frac{0.8}{100(33.64 - 2.56)} = \frac{0.8}{3108}$$

$$= 0.0002574 \text{ mNm/rad} \equiv 0.02574 \text{ mNm/rad}$$

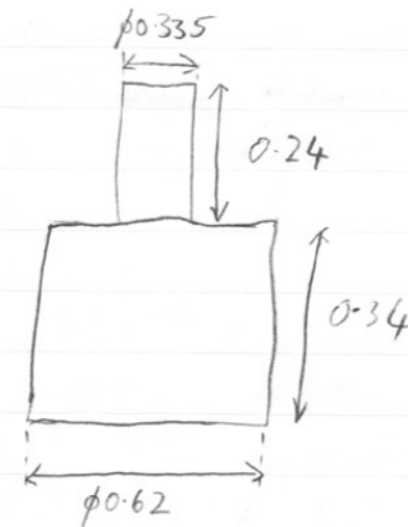
$$\equiv 0.00002574 \text{ Nm/rad.}$$

$$1 \text{ N} \equiv 1 \times 10^5 \text{ dyne} \quad \equiv 2.574 \text{ dyne cm/rad.}$$

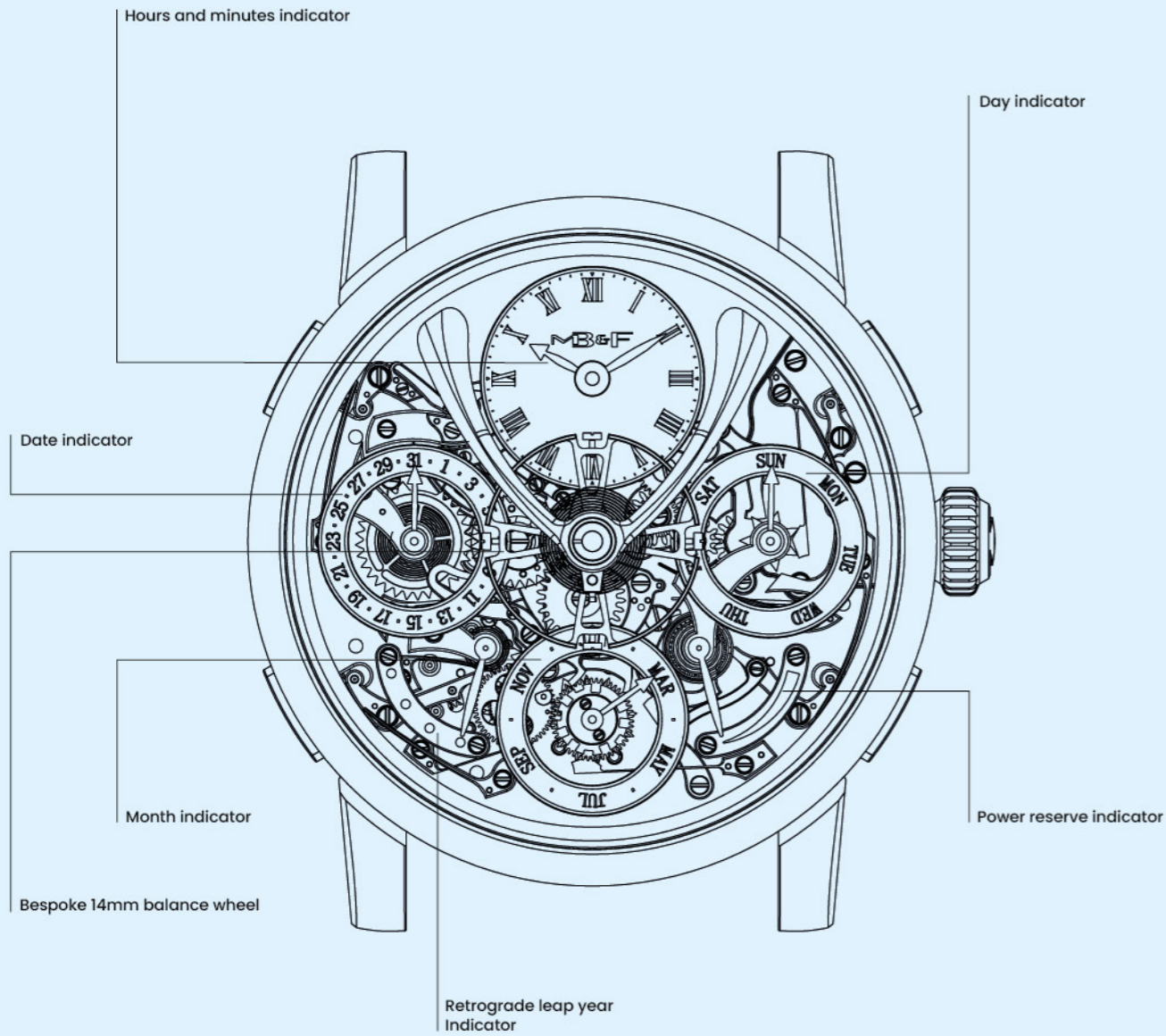
YEAR: $D = 3.10$, $d = 1.60$, $CGS = 0.50$.

$$C = \frac{0.8}{100(3.1^2 - 1.6^2)} = \frac{0.8}{100(9.61 - 2.56)} = \frac{0.8}{705} = 0.0011348 \text{ mNm/rad}$$

$$= 11.348 \text{ dyne cm/rad}$$



h of notch = 0.195



LM Perpetual

With Legacy Machine Perpetual, MB&F and independent watchmaker Stephen McDonnell have reinvented one of the most complex traditional watchmaking complications: the perpetual calendar. The result is LM Perpetual, featuring a visually stunning in-house movement, developed from the ground up to eliminate the drawbacks of conventional perpetual calendars. The 581-component, fully integrated and purpose-built movement has been designed for user-friendly and trouble-free use: thanks to an innovative “mechanical processor”, no more skipping dates or jamming gears, and the adjuster pushers automatically deactivate when the calendar changes.

Material: stainless steel

Dimensions:
diameter 44mm × height 17.5mm

Water resistance:
30m / 3ATM / 90 feet

Fully integrated perpetual calendar developed for MB&F by Stephen McDonnell, featuring dial-side complication and mechanical processor system architecture with inbuilt safety mechanism

In-house manual winding movement with double mainspring barrels

Bespoke 14mm flying balance wheel visible on top of the movement

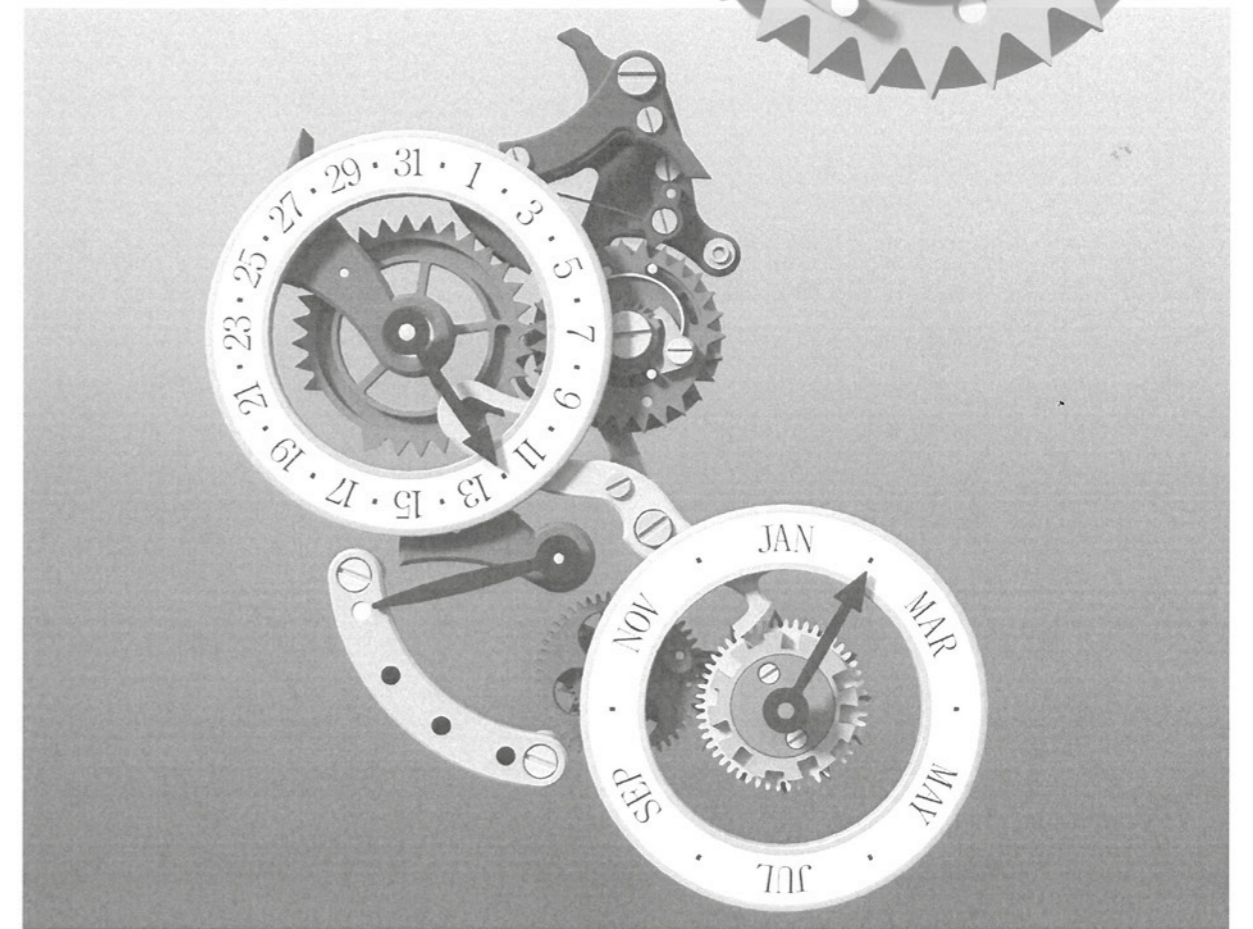
Power reserve: 72 hours

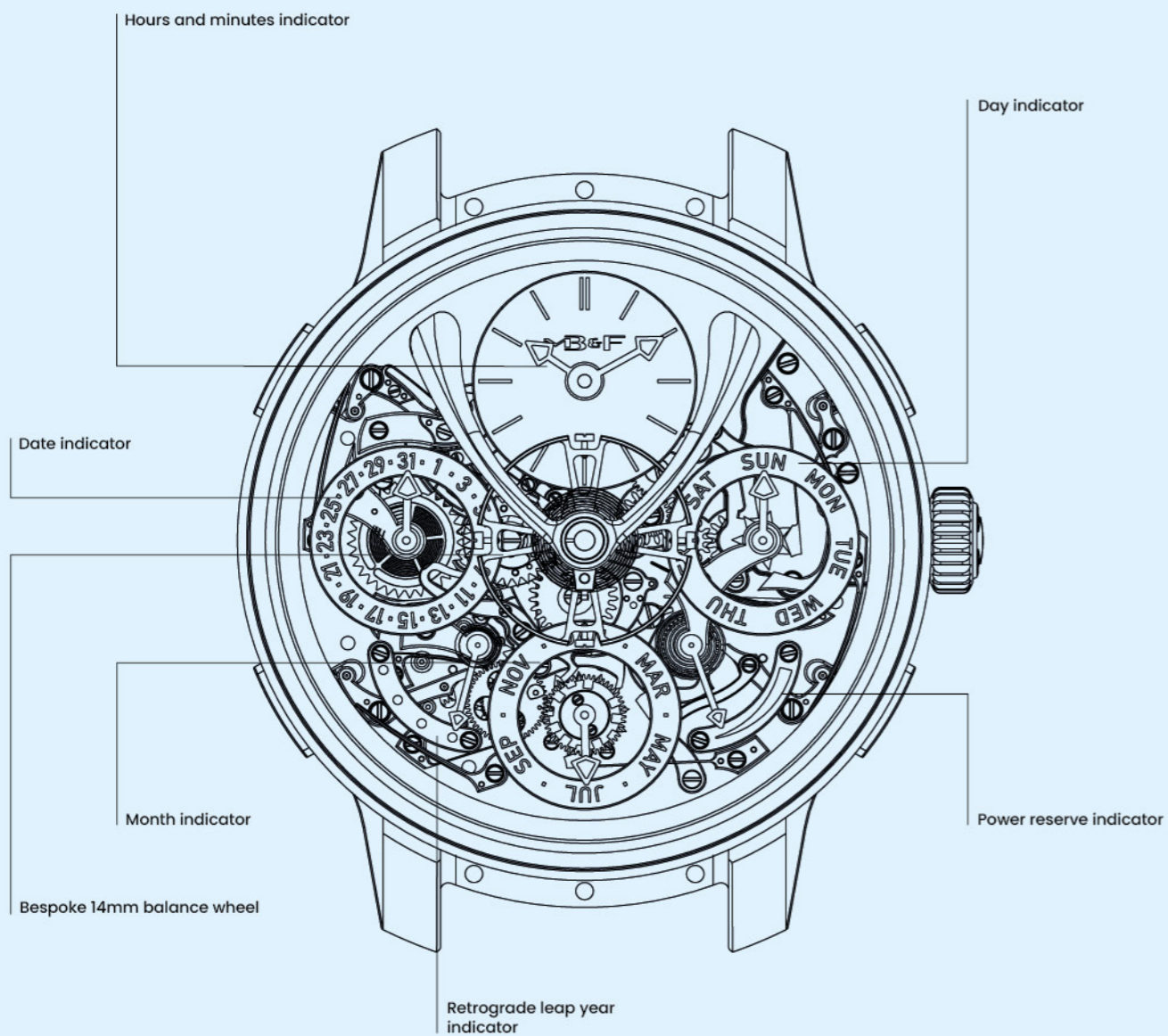
581 components / 41 jewels

Available in stainless steel with salmon dial plate



Legacy Machine Perpetual EVO





LM Perpetual EVO

The Legacy Machine Perpetual, the award-winning and convention-breaking perpetual calendar conceived for MB&F by Stephen McDonnell, gains a new level of liberation with the EVO editions. Key EVO features include a 44mm case in titanium, a modern metal with material properties surpassing stainless steel; water resistance to 80 metres with an integrated rubber strap and screw-down crown; a new case profile that emphasises openness and extreme clarity; and a specially developed monobloc shock-absorber – “FlexRing” – that protects the LM Perpetual Engine.

Material: grade 5 titanium

Dimensions:
diameter 44mm × height 17.5mm

Water resistance:
80m / 8ATM / 270 feet

Fully integrated perpetual calendar developed for MB&F by Stephen McDonnell, featuring dial-side complication and mechanical processor system architecture with inbuilt safety mechanism

FlexRing shock absorber

In-house manual winding movement with double mainspring barrels

Bespoke 14mm flying balance wheel visible on top of the movement

Power reserve: 72 hours

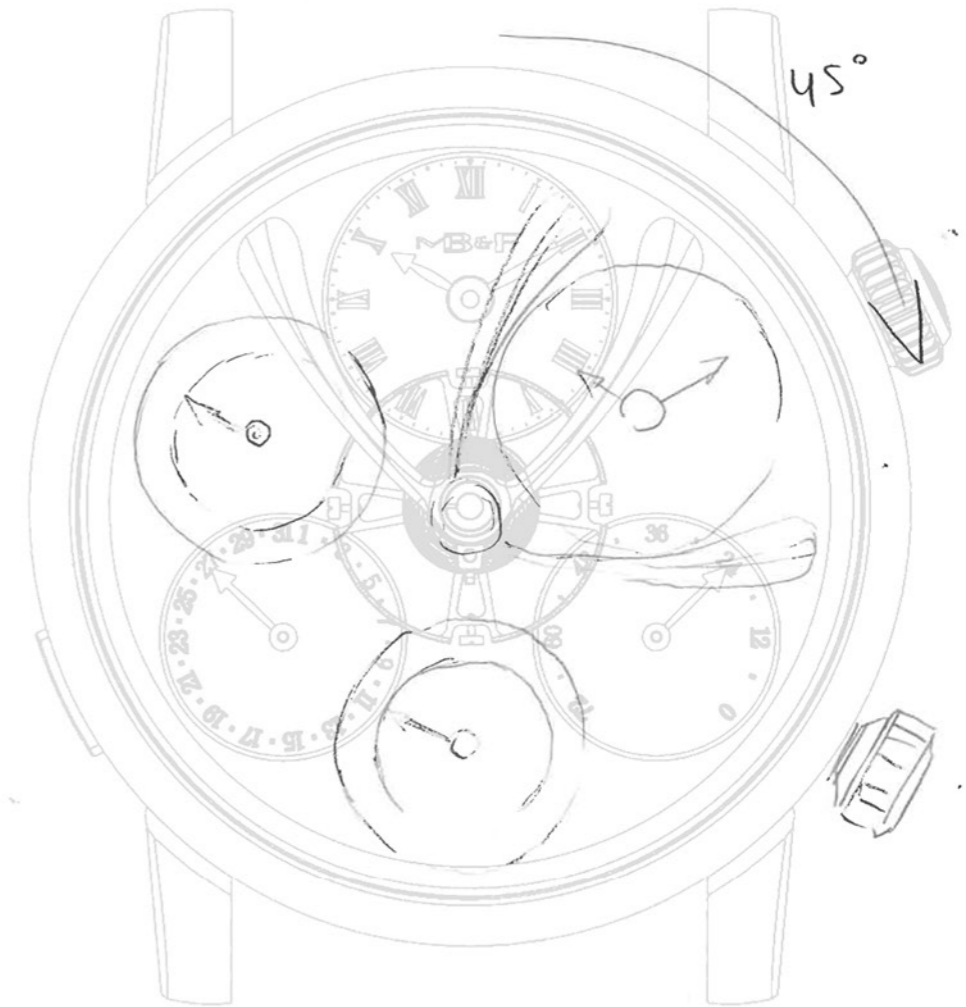
581 components / 41 jewels

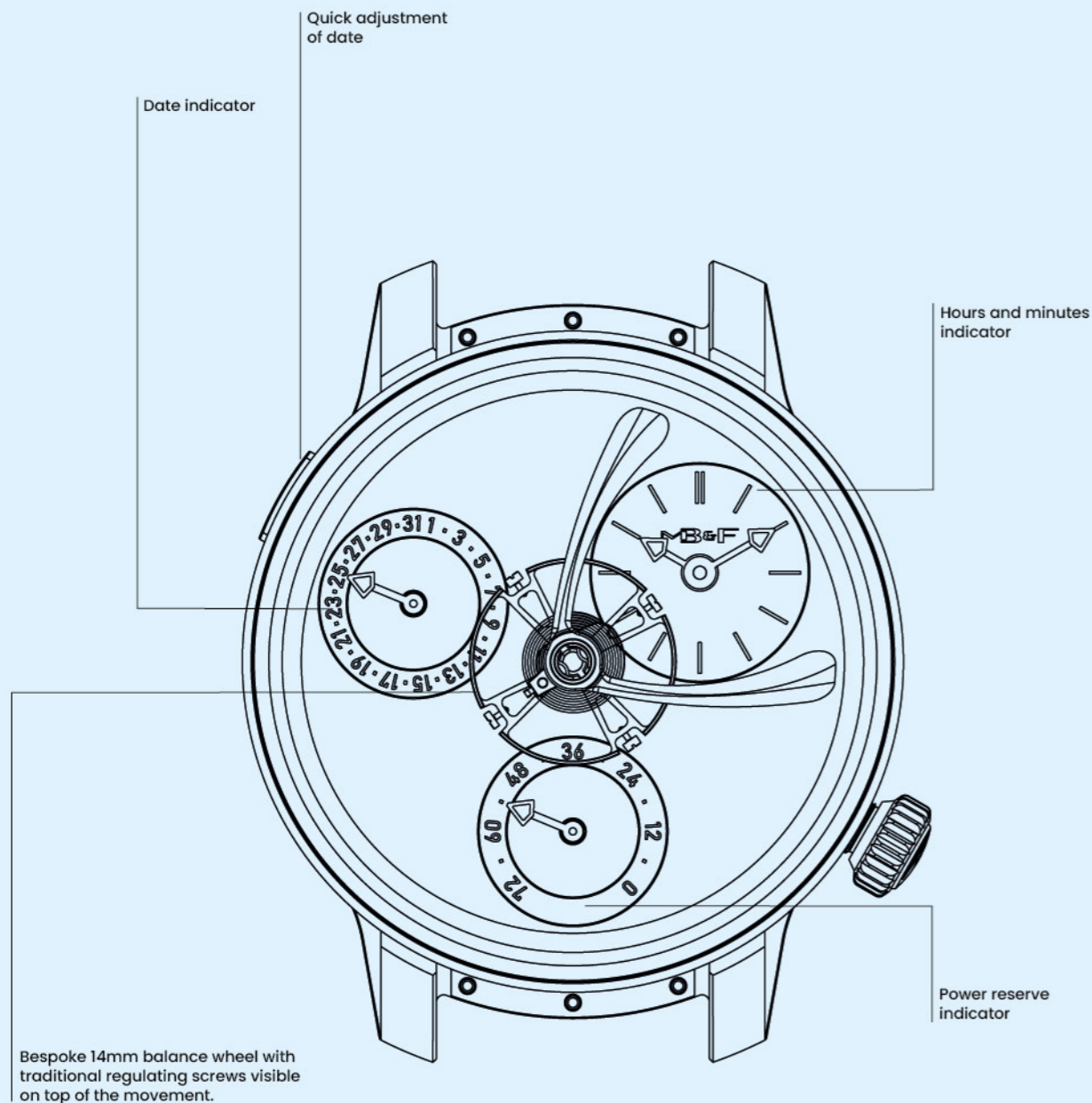
Available in titanium with pastel blue dial plate





Legacy Machine Split Escapement EVO





LM Split Escapement EVO

The LM Split Escapement takes its name from what seems horological magic: its balance wheel seems to oscillate on its own, high above the dial, without any visible intake of energy. The essential remaining parts of the escapement, which provide the driving impulse – anchor and escape wheel – are concealed on the opposite side of the movement. The EVO case features 80 metres of water resistance, a screw-down crown, an integrated rubber strap and a bezel-free design. But the EVO concept goes deeper: inside the case, the movement is suspended thanks to a monobloc shock-absorbing “FlexRing” system, dampening the shocks that come with real-life adventures.

Material: grade 5 titanium

Dimensions:
diameter 44mm × height 17.5mm

Water resistance:
80m / 8ATM / 270 feet

Fully integrated split escapement developed for MB&F by Stephen McDonnell, featuring the FlexRing annular dampener providing shock protection

Power reserve indicator and date with quick-adjust push button

In-house manual winding movement with double mainspring barrels

Bespoke 14mm balance wheel visible on top of the movement

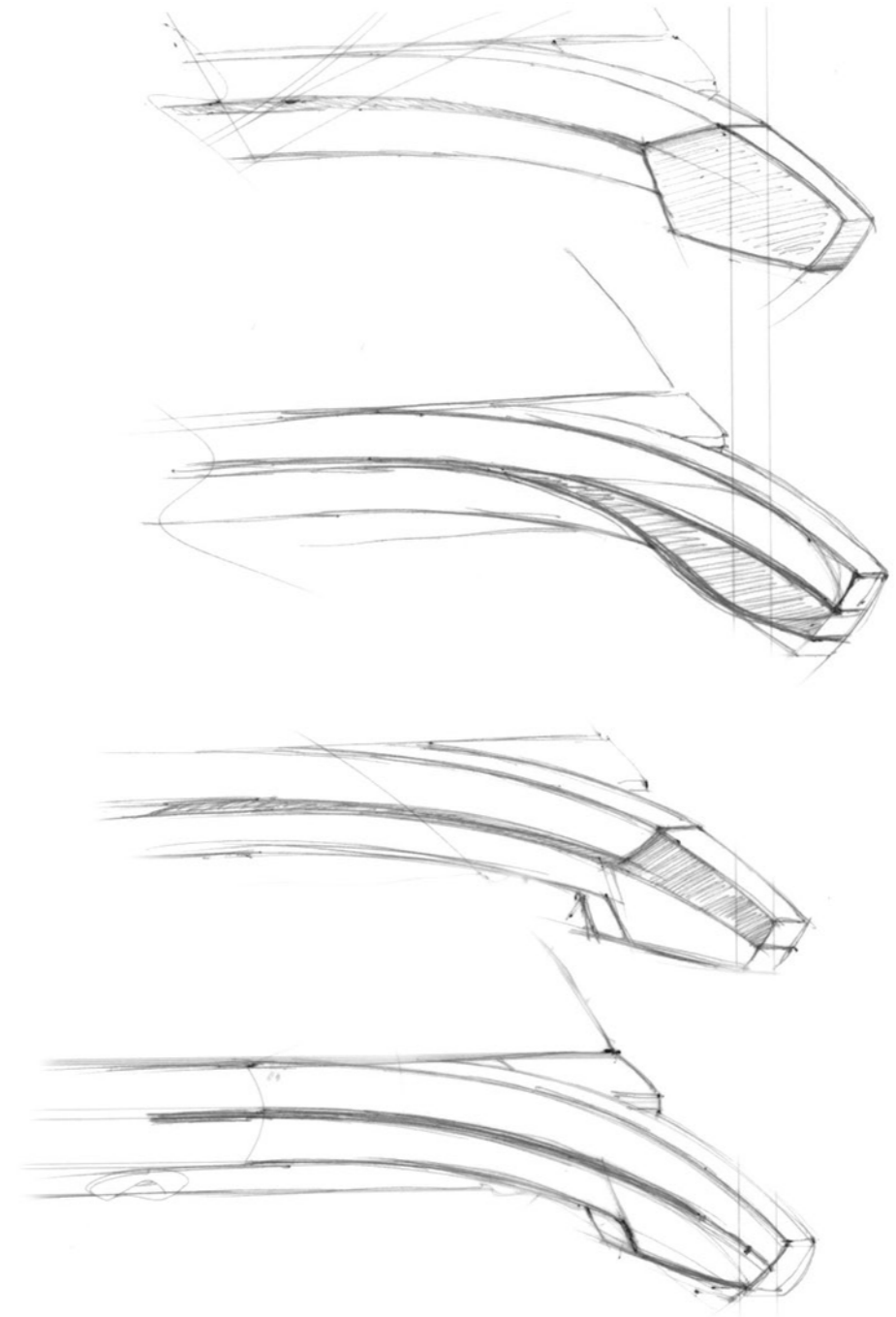
Power reserve: 72 hours

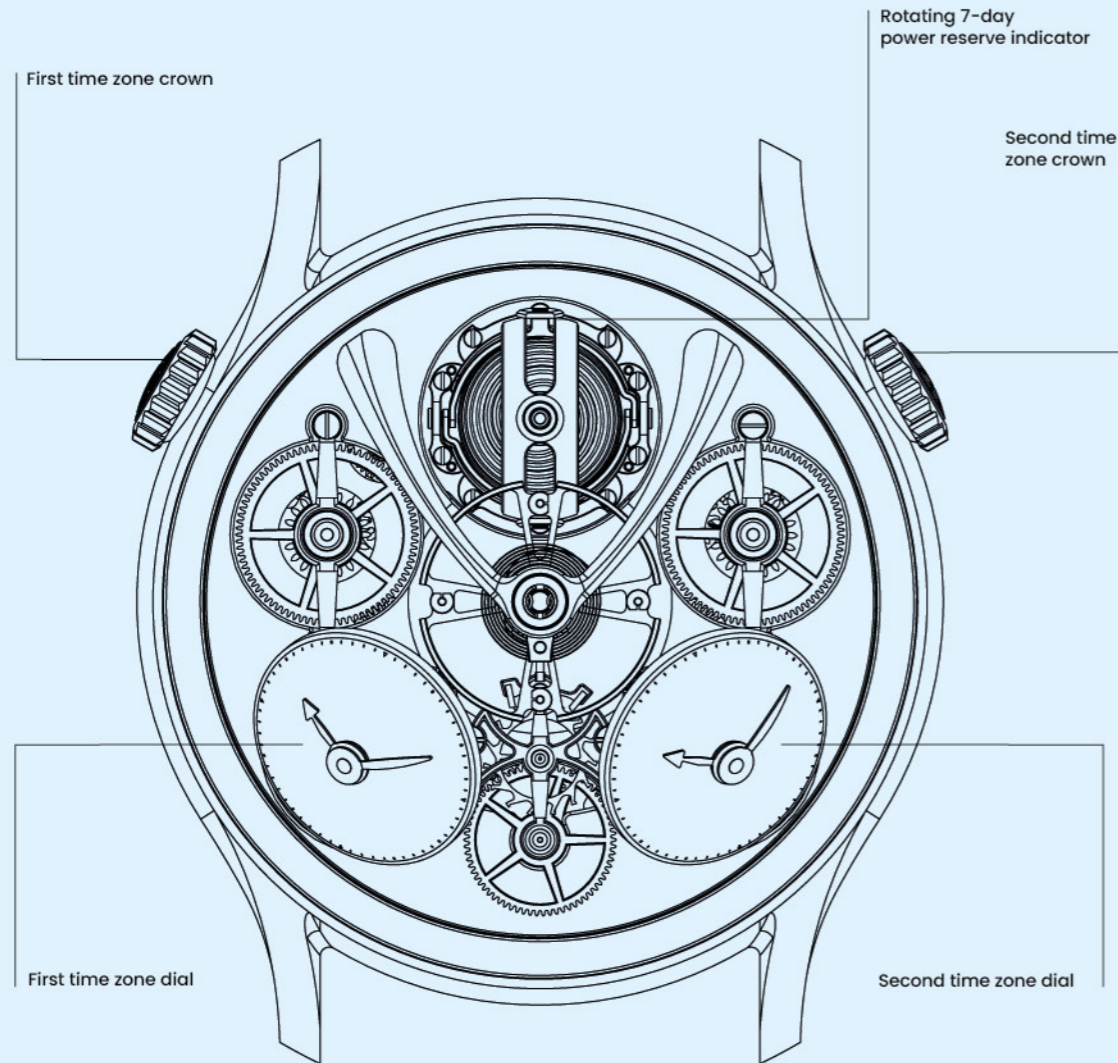
298 components / 35 jewels

Available in titanium with pastel blue dial plate



Legacy Machine X





LMX

LMX returns to the earliest encounter with the Legacy Machine collection, utilising the same expression comprising a central flying balance wheel and two dials, although everything else is different. In another nod to the world-first vertical power reserve indicator of LMI, LMX features a completely novel three-dimensional, hemispherical rotating display that showcases the engine's impressive seven days (168 hours) of power reserve – with a choice of weekday or 7-day indication. Like a perfectly balanced X, the engine of LMX is deeply symmetrical – not only dial-side but also as observed through the sapphire case back, revealing the three barrels placed evenly around the centre, accentuated by the sunray pattern of the Côtes de Genève finishing.

Material: stainless steel or 18K white gold

Dimensions:
diameter 44mm × height 21.4mm

Water resistance:
30m / 3ATM / 90 feet

Fully independent dual time zones, hemispherical 7-day power reserve indicator

In house manual winding movement with three mainspring barrels

Bespoke 13.4mm flying balance wheel with inertia blocks

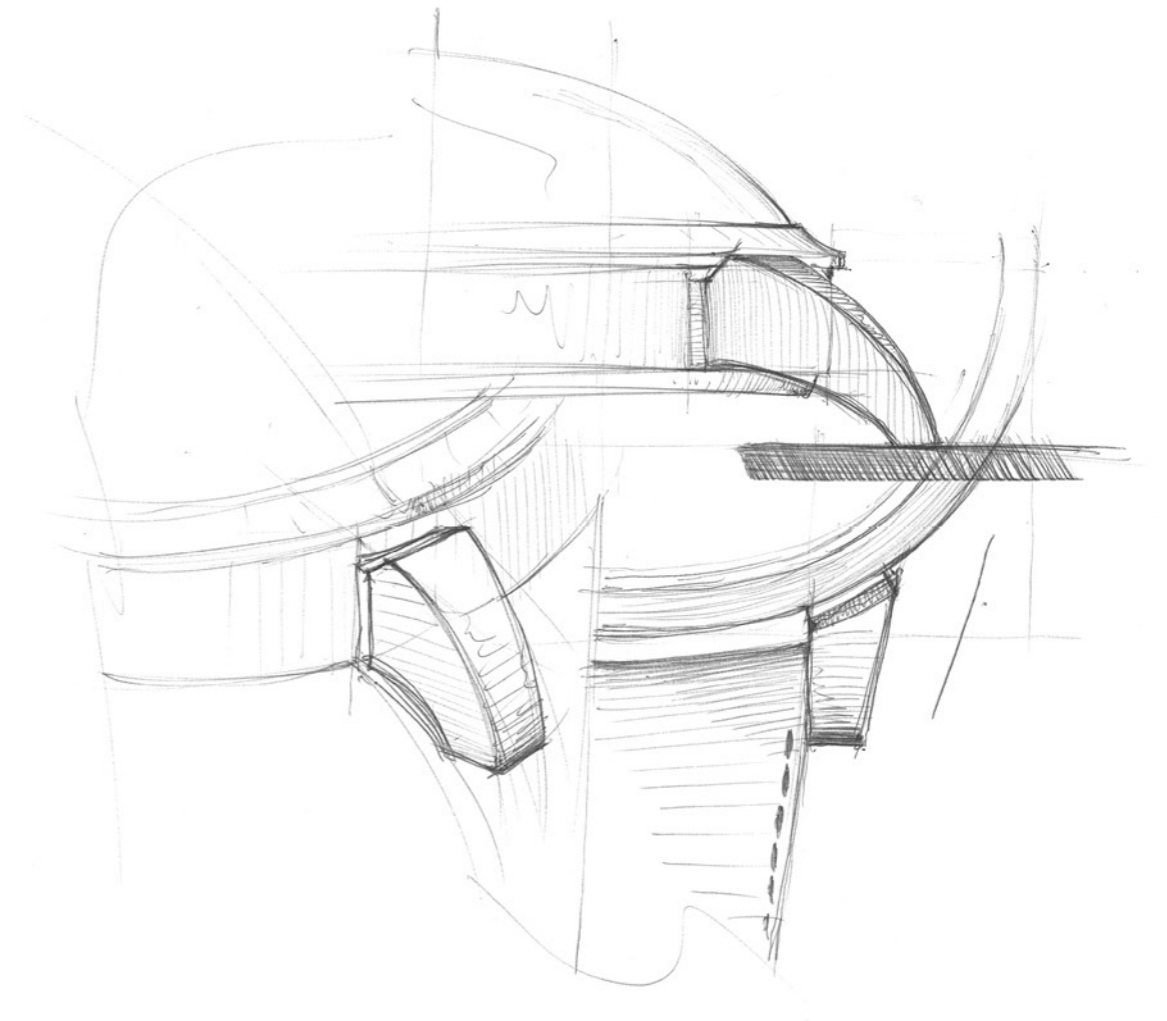
Power reserve: 7 days / 168 hours

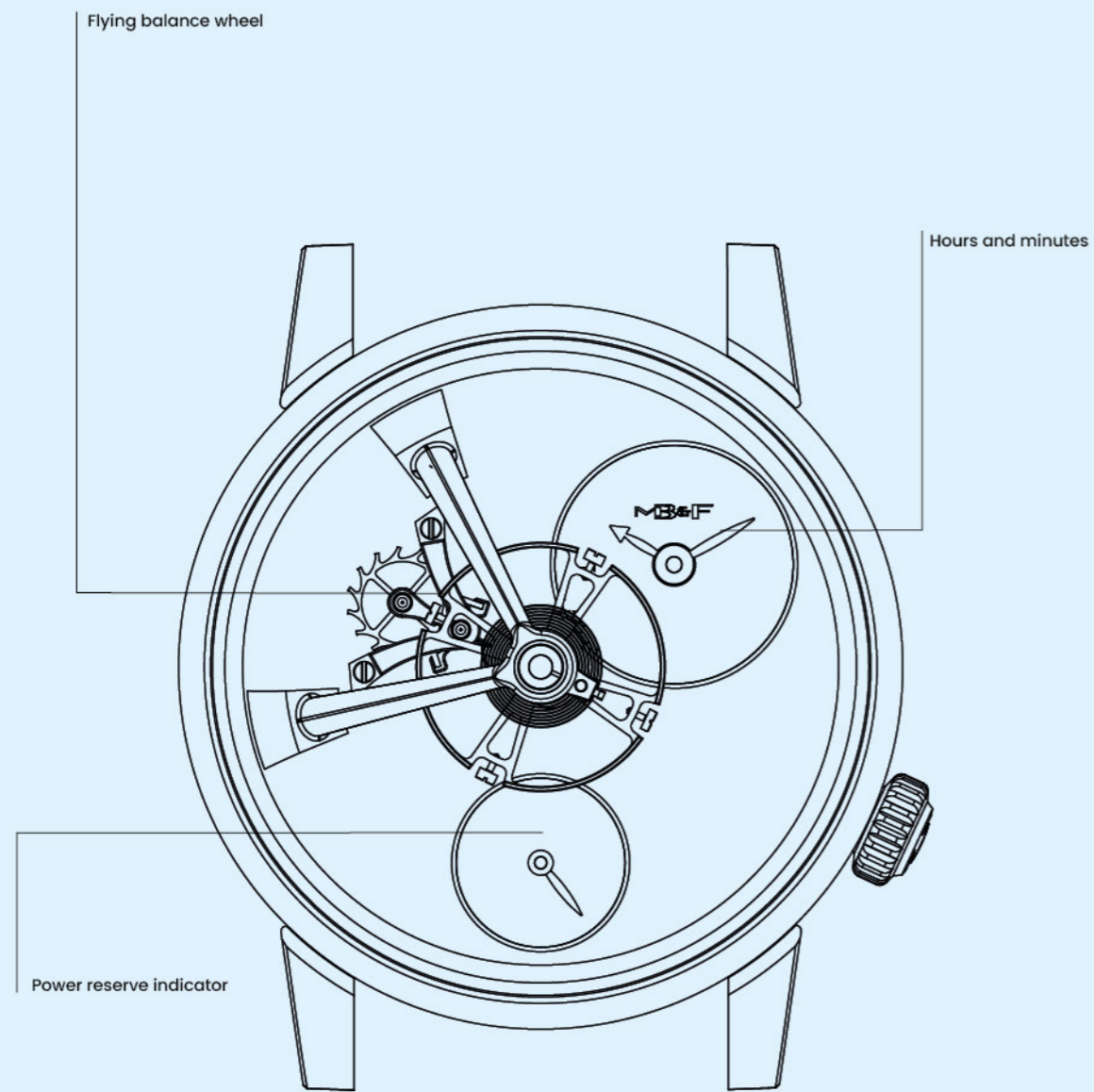
367 components / 41 jewels

Available in stainless steel with frosted brass dial plate (limited to 33 pieces) or white gold with purple dial plate (limited to 15 pieces)



Legacy Machine 101





LM101

The Legacy Machine 101 series focuses on the essentials of a mechanical wristwatch. Contained in an elegant 40mm case, LM101 displays the time, the power reserve, and – the real star of the show, the obsession of any watchmaker, the heartbeat of any mechanical watch – the escapement and balance wheel. But in true MB&F fashion, an unconventional, 3-dimensional “flying” balance wheel, which has become the signature of the Legacy Machine collection. For LM101, the flying balance wheel inherits the amazing double hairspring supplied by H. Moser & Cie. Turning the LM101 over reveals the exquisitely hand-finished movement, at the time MB&F’s first calibre conceived in-house with award-winning independent watchmaker Kari Voutilainen.

Material: 18K white or red gold, stainless steel

Dimensions: diameter 40mm × height 16mm

Water resistance: 30m / 3ATM / 90 feet

Time and power reserve indicator

In-house manual winding movement with single mainspring barrel, design and finish specifications by Kari Voutilainen

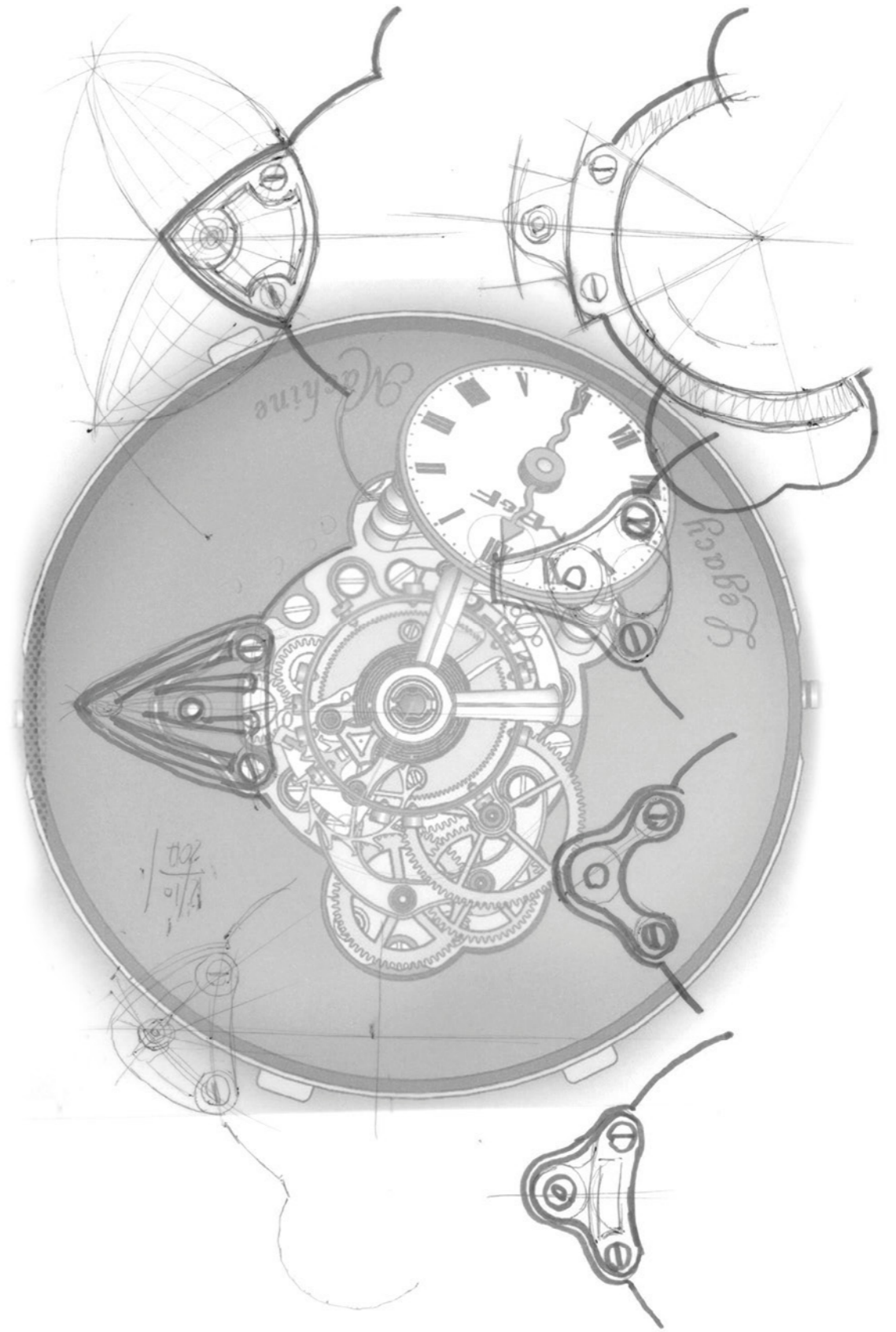
Flying balance wheel with double hairspring and regulating screws

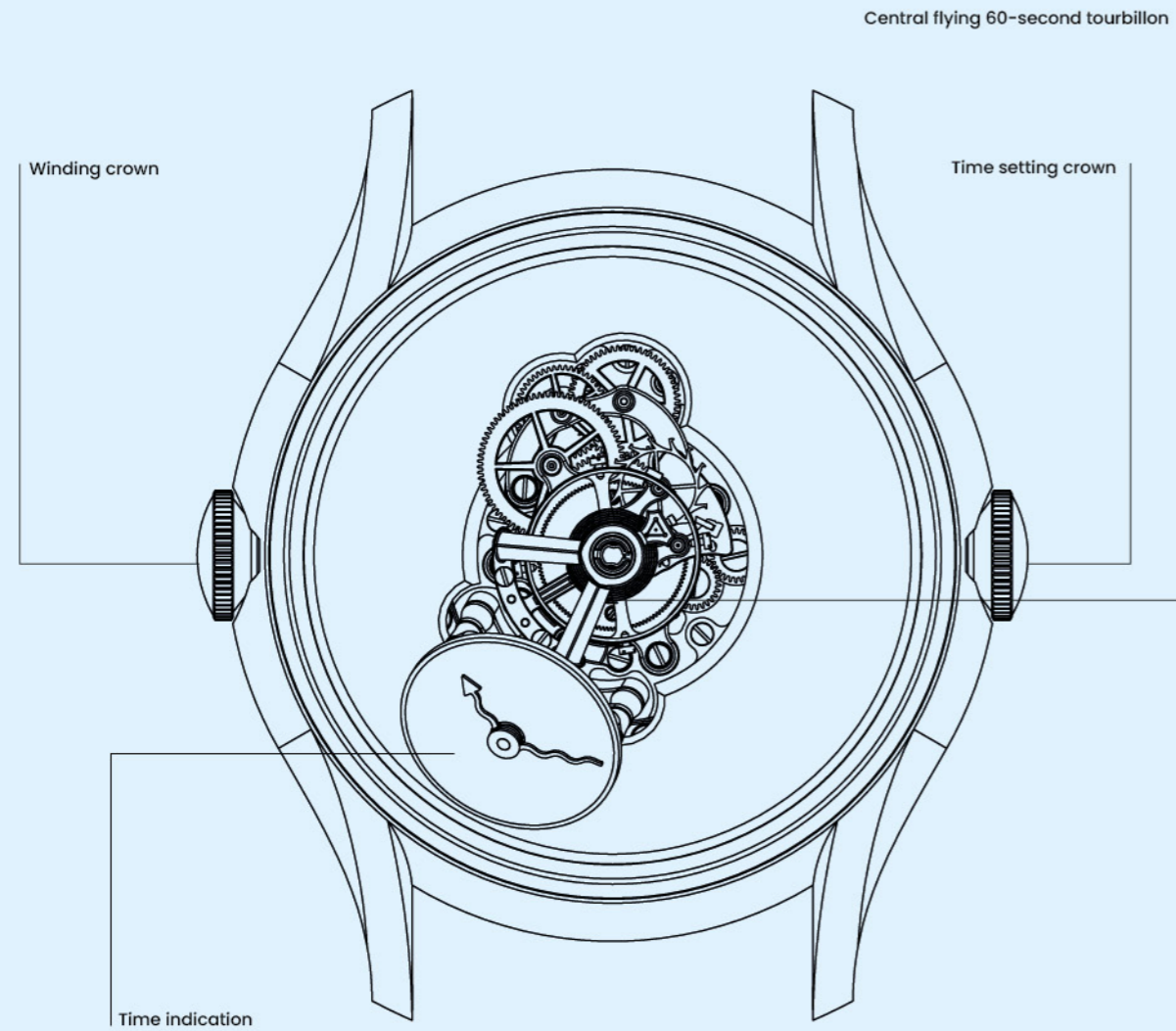
Power reserve: 45 hours

231 components / 23 jewels



Legacy Machine FlyingT





LM FlyingT

The LM FlyingT owes its genesis to founder Maximilian Büsser's ruminations on the keystone roles that the women of his family have played in his life. Manifesting a rich and complex femininity, and choosing to embody elegance and vitality over the softer conventions of womanhood, have made it a favourite of women and men alike. A soaring flying tourbillon projects like a column from the dial plate, driven by energy generated by the sun-shaped rotor (power reserve of 100 hours). A diamond flashes atop the upper tourbillon cage. Located at 7 o'clock, the hours and minutes are indicated by a pair of serpentine hands on a subdial inclined at 50°, visible only by the wearer; an intimate communication that highlights the personal nature of the LM FlyingT.

Material: 18K white, red or yellow gold, platinum 950

Dimensions: diameter 38.5mm × height 20mm

Water resistance: 30m / 3ATM / 90 feet

Hours and minutes displayed on a 50° vertically tilted dial with two serpentine hands

In-house automatic winding movement, three-dimensional vertical architecture

Central flying 60-second tourbillon

Diamond at the top of the flying tourbillon cage

Power reserve: 100 hours (4 days)

280 components / 30 jewels

Available in several 18K gold versions set with diamonds, with dial plates set with diamonds or in black lacquer, coeur de rubis, tiger eye, malachite, lapis lazuli and onyx; and limited editions in red gold or platinum, with guilloché dial plates (both limited to 18 pieces)



Sketches of HM11, HM10, HM9 SV, HM8 Mark 2, HM7, LMX,
LM101 and LM FlyingT from the archives of Eric Giroud.
Sketch of LM Sequential EVO and worksheet of LM Perpetual
from the archives of Stephen McDonnell.

Photography by Alex Teuscher, Eric Rossier,
Laurent Xavier Moulin and Maarten Van der Ende