**LOGICAL ONE SECRET DIAMONDS**

**The ultimate synthesis of fine art and *haute horlogerie***

Logical One Secret Diamonds takes the union of art and *haute horlogerie* to a stunning new level thanks to this timepiece’s integrated cover which here serves as a canvas for the art of gem setting.

With Logical One Secret Diamonds, hours, minutes and seconds are embraced in a glittering ocean of diamonds cascading right down to the lugs. An incredible 181 invisibly set baguette diamonds, totalling nearly seven carats, make for an ever-changing panorama of constantly glittering and sparkling reflections.

The craftsmanship required for invisible diamond setting is even more demanding than most in that it requires not one but two skilled artists: gem setter and diamond cutter. To be invisibly set, each and every diamond has to be carefully grooved, with each cut running the very real risk of breaking the stone.

However, while invisibly set diamonds are very difficult to accomplish, the effect is spectacular as without visible support, the gems look larger and light can reflect and refract throughout, unimpeded in an explosion of brilliance.

With the diamonds decorating Logical One Secret Diamond’s cover and lugs taking centre stage, it is easy to forget that Logical One Secret also features a mechanical work of art – the innovative, Grand Prix de Genève-winning movement of Logical One which was conceived, developed, produced, decorated, assembled and regulated in-house at Manufacture Romain Gauthier.

This pioneering movement features Romain Gauthier’s 21st-century reinterpretation of a traditional chain-and-fusee style constant force mechanism. Gauthier’s invention contains a revolutionary ruby-link chain, snail cam and sapphire-lined mainspring barrel to offer nearly two days of constant force – the holy grail of precision watchmaking.

Pressing the caseband pusher at 4 o’clock unlatches the cover, allowing the wearer to lift it up and admire Logical One Secret’s movement through the sapphire crystal.

The snail cam and ruby-link chain are on full show, as are bespoke gear wheels with graceful circular arms; polished screw heads with distinctive s-slot; balance wheel with curved arms and calibrated eccentric weights; hand-frosted bridges; and Romain Gauthier-invented triangular pallet lever.

More of the outstanding movement can be viewed through the display back; bridges and plates bearing a number of angles – including several sharp internal angles – feature rounded bevels that have been meticulously created by hand. This type of eye-catching *anglage* brings out the inherent beauty of the components.

Logical One Secret Diamonds is a unique piece.

**LOGICAL ONE SECRET DIAMONDS BY ROMAIN GAUTHIER**

**Technical Specifications**

**Unique piece**

18k red gold cover invisibly set with 149 baguette diamonds IF to VVS/G+, 6.0 carats; lugs invisibly set with 32 baguette diamonds quality IF to VVS/G+, 0.9 carats

**Features and indications**

Art of gem setting: 181 invisibly set baguette diamonds, 6.9 carats total

Movement features chain-and-fusee style constant force system, push-button winding and superlative hand finishing

Hours, minutes, small seconds and 46-hour power reserve indicator

**Dial and hands**

Skeletonised hour and minute hands in 18k red gold

Solid small seconds hand in 18k red gold

Subdials fixed via Romain Gauthier polished screws with distinctive s-slot

Clous de Paris decoration on blackened brass hour-minute subdial and small seconds

**Movement**

Dimensions: 35.5mm x 10.5mm

Power reserve: 46 hours

Number of jewels: 63 in total, including 26 for the constant-force chain

Number of components: 359

Balance frequency: 28,800 vph / 4Hz

Movement components in: steel, stainless steel, beryllium copper, brass, titanium and German silver

4 patents: The specific composition and construction of the chain; the constant force system; the push-button winding system; and the high-efficiency profiles of the gear teeth

Finishing: Highest-level *haute horlogerie* finishing

**Case**

Case material: 18k red gold
Dimensions: 43mm x 15.9mm

Water resistance: 30m/3atm/100ft

Sapphire crystal with interior anti-reflection coating, front and display back

Crown for time setting at 2 o’clock

Push button for winding at 9 o’clock

Pusher for unlocking cover at 4 o’clock

**Strap and buckle**

Alligator leather strap hand-stitched in Switzerland with 18k red gold pin buckle