

Quadruple Tourbillon Secret

Unique edition

8 pieces in 5N red gold and 8 pieces in platinum

Hand-wound movement with patented tourbillon

Quadruple Tourbillon • hours and minutes • small seconds •
4-minutes outer-tourbillons rotation • power-reserve

Movement

Movement dimensions

- Diameter: 36.40 mm
- Thickness: 9.85 mm

Number of parts

- Movement: 509 parts
- 4 tourbillon cages: 260 parts
- Total weight of the cages: 2.26 g
- Spherical differential: 28 parts

Number of jewels

- 63
- Olivé-domed jewels in gold chatons

Chronometric power reserve

- 50 hours

Barrels

- Two series-coupled fast rotating barrels (1 turn in 3.2 hours), one of which is equipped with a slipping spring to avoid excess tension

Balance wheel

- Variable-inertia with white gold mean-time screws (10.70 mm diameter)

Frequency

- 21'600 vibrations/hour

Balance spring

- Phillips terminal curve
- Geneva-style stud

Main plates

- Nickel silver, spotted, with polished bevelling and countersinks, straight-grained flanks, black ruthenium treatment (18k 5N red gold version) or nickel-palladium treatment (platinum 950 version)

Bridges

- Nickel silver, frosted and spotted, with polished bevelling and countersinks, straight-grained flanks, nickel-palladium treatment
- Gold plate engraved with the individual number
- 2 steel tourbillon bridges (movement side), black polished with hand-polished bevelling and countersinks
- 2 nickel silver tourbillon bridges (dial side), black ruthenium treated (18k 5N red gold version) or nickel palladium treated (platinum 950 version)

Inner tourbillons

- Inclined at a 30° angle, 1 rotation per minute

Outer tourbillons

- 1 rotation in 4 minutes
- Hand-bevelled and openworked cage pillars
- 1 gold counterweight per double cage

Gearing

- Involute circle profile
- Conical gearing with profiled teeth

Displays

- Hours and minutes
- Small seconds (mean performance)
- 50-hours power reserve on a sector
- 240-seconds tourbillon rotation at 8 o'clock
- 4-minutes tourbillon rotation at 5 o'clock

Exterior

Case

- In 18k 5N red gold or platinum 950 with asymmetrical convex synthetic sapphire crystal
- Transparent back with asymmetrical convex synthetic sapphire crystal
- Lateral window with shaped synthetic sapphire crystal
- Three-dimensional, variable geometry-shaped lugs
- Raised polished engraving "Quadruple" and "Greubel Forsey" on a hand-punched background
- Gold security screws
- Polished bezel, caseband with hand-finished straight graining
- Hand-engraved individual number

Case dimensions

- Diameter: 43.50 mm
- Thickness: 16.11 mm

Water resistance of the case

- Water-resistant 3 atm - 30 m - 100 ft (standard NIHS 92-20/SN ISO 22810:2010)

Crown

- In 18k 5N red gold or platinum 950 with engraved and black-lacquered GF logo

Dial

- Gold multi-level either black (18k 5N red gold version) or silvered (platinum 950 version)
- Gold hour markers
- Gold display sectors
- Gold Greubel Forsey logo

Hands

- 18k 5N red gold version: hours and minutes, small seconds, 4-minutes tourbillon, 240-seconds tourbillon and power-reserve in polished gold
- Platinum 950 version: hours and minutes, small seconds in black oxidised steel; 4-minutes tourbillon, 240-seconds tourbillon and power-reserve in polished gold

Strap and clasp

- Hand-sewn alligator
- 18k 5N red gold or platinum 950 folding clasp, hand-engraved with the GF logo

