

Tourbillon 24 Secondes

In white gold or in 5N red gold

Hand-wound movement with patented tourbillon

Tourbillon 24 Secondes • hours and minutes • small seconds •
24-seconds tourbillon rotation • power-reserve

Movement

Movement dimensions

- Diameter: 36.40 mm
- Thickness: 9.35 mm

Number of parts

- Movement: 275 parts
- Tourbillon cage: 88 parts
- Weight of the cage: 0.39 g

Number of jewels

- 36
- Olivé-domed jewels in gold chatons

Chronometric power reserve

- 72 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 gold mean-time screws (10 mm diameter)

Frequency

- 21'600 vibrations/hour

Balance spring

- Phillips terminal curve
- Geneva-style stud

Main plates

- Nickel silver, spotted and snailed, with polished bevelling and countersinks, straight-grained flanks, nickel-palladium treatment

Bridges

- Nickel silver, frosted and spotted with polished bevelling and countersinks, straight-grained flanks, nickel-palladium treatment
- 3 engraved gold plates (1x Greubel Forsey, 1x individual number, 1x name of the invention)
- Steel barrel-polished tourbillon bridge
- Black PVD-coated titanium platform under the tourbillon and polished backdrop

Tourbillon

- Inclined at a 25° angle, 24-seconds rotation
- Light alloy cage pillars
- Titanium cage bridges
- Gold counterweight

Gearing

- Involute circle profile
- Tangential inclined gear on fixed wheel and profiled teeth on escape wheel pinion

Displays

- Hours and minutes
- Small seconds on a sector
- 72-hours power reserve on a sector
- 24-seconds tourbillon rotation

Exterior

Case

- In 18k 5N red gold or white gold 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 "Tourbillon 24" Incliné" and "Greubel Forsey" on a hand-punched background
- Gold security screws
- Hand-polished bezel, caseband with hand-finished straight graining
- Hand-engraved individual number

Case dimensions

- Diameter: 43.50 mm
- Height: 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 white gold with engraved and black lacquered GF logo

Dial

- Multi-level in gold silvered or anthracite colour
- Gold hour markers
- Gold display sectors
- Gold GF logo

Hands

- Hours and minutes, small seconds and power-reserve in polished gold
- 24-seconds double-tipped hand, black anodised aluminium

Strap and clasp

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

