

GMT Quadruple Tourbillon

11 pieces in titanium

Hand-wound movement with 3 patents

GMT • 2nd time zone • rotating globe with universal time and day-and-night • universal time on 24 time zones • cities observing summer time • lateral window showing the equator and southern hemisphere • GMT pusher • Quadruple Tourbillon • hours and minutes • small seconds • power-reserve

Movement

Movement dimensions

- Diameter: 39.50mm
- Thickness: 13.00mm

Number of parts

- Movement: 705 parts
- Four tourbillon cages: 260 parts
- Total weight of the cages: 2.25g
- Spherical differential: 28 parts

Number of jewels

- 84
- Olivé-domed jewels in gold chatons

Chronometric power reserve

- 72 hours

Barrels

- Three 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 (10.70mm diameter)

Frequency

- 21'600 vibrations/hour

Balance spring

- Phillips terminal curve
- Geneva-style stud

Main plates

- Nickel silver, frosted and spotted with polished bevelling and countersinks, straight-grained flanks, grey treatment

Bridges

- Nickel silver, frosted and spotted, polished bevelling and countersinks, straight-grained flanks, grey treatment
- Gold plate engraved with the individual number
- Flat black polished gold plates with relief-engraved text, polished bevelling and countersinks, straight-grained flanks
- Four flat black polished steel tourbillon bridges, hand-polished bevelling and countersinks, straight-grained flanks

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 bearing the individual number of the timepiece

Gearing

- Involute circle profile
- Conical gearing with profiled teeth

Displays

- Hours and minutes
- Small seconds (mean performance)
- 72-hours power reserve on a sector
- 2nd time zone GMT
- 24 time zones universal time
- Rotating titanium globe with universal time
- Cities observing summer time
- Day-and-night

Exterior

Case

- In titanium 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 "GMT Quadruple" and "Greubel Forsey" on a hand-punched background
- Gold security screws
- Polished bezel, caseband with hand-finished straight graining
- Titanium GMT pusher with raised engraving on a hand-punched background
- Engraved individual number

Case dimensions

- Diameter: 46.50mm
- Height: 17.45mm

Water resistance of the case

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

Crown

- In titanium with engraved GF logo

Dial

- Multi-level in gold, anthracite colour
- Gold hour-ring and power reserve, circular-grained with polished bevelling, blue treatment
- Gold hour markers
- GMT in gold, hand matt lapped
- Small second, circular-grained

Hands

- Hours and minutes in polished gold, with Super-LumiNova
- Small seconds in polished steel, black treatment
- Power-reserve in polished steel, hand-polished countersink
- 2nd time zone GMT indicator, red

Strap and clasp

- Rubber or hand-sewn alligator
- Titanium folding clasp, engraved with the GF logo

