

GMT Earth

Limited edition of 11 pieces in titanium

Hand-wound movement with 3 patents

GMT • 2nd time zone • rotating globe with universal time and day-and-night • complete and global view from northern to southern hemisphere • universal time on 24 time zones • summer and winter time • cities observing summer time • lateral window showing the equator • GMT pusher • Tourbillon 24 Secondes • hours and minutes • small seconds • power-reserve

Movement

Movement dimensions

- Diameter: 36.40 mm
- Thickness: 11.55 mm

Number of parts

- Movement: 453 parts
- Tourbillon cage: 86 parts
- Weight of the cage: 0.39g

Number of jewels

- 60
- Olived-domed jewels in gold chatons

Chronometric power reserve

- 72 hours

Barrels

- Two coaxial 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 (10mm diameter)

Frequency

- 21'600 vibrations/hour

Balance spring

- Phillips terminal curve
- Geneva-style stud

Main plate

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

Bridges

- Nickel silver, frosted with polished bevelling and countersinks, straight-grained flanks, black treatment
- Flat black polished steel tourbillon bridge, hand-polished bevelling and countersinks
- Flat black polished steel screws, blued by heat treatment

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
- 72-hours power reserve on a sector
- 2nd time zone GMT
- 24 time zones universal time
- Rotating titanium globe with universal time
- Complete view from North Pole to South Pole
- Summer time
- Day-and-night

Exterior

Case

- In titanium, with titanium plates, engraved, hand-finished with text, screwed to the caseband
- Lateral window with shaped synthetic sapphire crystal
- Three-dimensional, variable geometry-shaped lids
- Three-dimensional synthetic sapphire crystal caseback, with integrated dome
- Three-dimensional, asymmetrical, synthetic sapphire crystal bezel
- Raised polished engraving "GMT Earth" and "Greubel Forsey" on a hand-punched background
- Gold security screws
- Titanium GMT pusher with raised engraving on a hand-punched background
- Engraved individual number

Case dimensions

- Diameter: 45.50 mm
- Height: case 16.18 mm (height on synthetic sapphire dome 18.00 mm)

Water resistance of the case

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

Crown

- In titanium, synthetic sapphire insert with GF logo

Dial Side

- Multi-level hour-ring in synthetic sapphire, galvanic growth hour indexes, engraved and lacquered minutes and small seconds
- Power-reserve and GMT indicators in gold, engraved and lacquered, circular-grained, black treatment
- Rotating globe with day-and-night UTC indicator in synthetic sapphire, engraved and lacquered

Movement Side

- Synthetic sapphire disc displaying city names surrounded by 2 gold rings (UTC and summer time) engraved and lacquered
- Gold "summer time" plate with individual number, raised engraving
- South Pole of the globe with UTC indicator, engraved and lacquered, hand matt lapped

Hands

- Hours, minutes, small seconds and power-reserve in polished steel, hand-polished countersinks
- 2nd time zone GMT indicator, red triangle

Strap and clasp

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

