

Différentiel d'Égalité

Limited edition of 33 pieces in white gold

Hand-wound movement with patented spherical Différentiel d'Égalité

Spherical Différentiel d'Égalité • inclined fixed escapement • hours and minutes • dead-beat seconds • small seconds • power-reserve • stop balance and reset on dead-beat seconds

Movement

Movement dimensions

- Diameter: 36.40 mm
- Thickness: 9.99 mm

Number of parts

- Movement: 359 parts
- Inclined fixed escapement: 71 parts

Number of jewels

- 47
- Olive-domed jewels in gold chatons

Spherical Différentiel d'Égalité

- 24 parts including 4 jewels and 3 satellites
- Differential cage, circular-grained, polished bevelling and countersinks, straight-grained flanks
- Uniform torque, rewinding once per second with integrated spring

Chronometric power reserve

- 60 hours ± 10%
- Optimized amplitude over the entire power reserve
- Stopwork mechanism

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
- Barrel with relief engraving "Greubel Forsey"

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 plate

- Nickel silver, frosted and spotted 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
- Flat black polished gold plate with raised engraved text, polished bevelling and countersinks, straight-grained flanks with gold chatons
- Circular-grained gold plate with individual number, polished bevelling and countersinks, straight-grained flanks

Reset mechanism

- Stop balance and reset activated by crown
- Flat black polished steel reset mechanism, polished bevelling, straight-grained flanks

Inclined fixed escapement

- Inclined at 30°
- Flat black polished steel lower bridge, polished bevelling and countersinks, straight-grained flanks
- Polished steel pillars
- Flat black polished steel balance wheel bridge, barrel-polished, polished bevelling and countersinks, straight-grained flanks

Gearing

- Involute circle profile
- Spherical Différentiel d'Égalité with conical gearing
- Conical profiled teeth for inclined fixed escapement

Displays

- Hours and minutes
- Dead-beat seconds
- Small seconds
- 60-hours power reserve on a sector

Exterior

Case

- In white gold with high domed synthetic sapphire crystal
- Transparent back with synthetic sapphire crystal
- Three-dimensional, variable geometry-shaped lugs
- Raised polished engraving "Différentiel d'Égalité" 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: 44.00 mm
- Height: 15.30 mm

Water resistance of the case

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

Crown

- In white gold with engraved and black lacquered GF logo

Dial side

- Multi-level synthetic sapphire hour-ring, lacquered galvanic growth hour indexes, engraved and lacquered minutes and dead-beat seconds
- Small seconds and power-reserve indicators in gold, engraved and lacquered, hand matt lapped

Hands

- Hours and minutes in gold with Super-LumiNova
- Small seconds, dead-beat seconds and power-reserve in polished blued steel, hand-polished countersinks

Strap and clasp

- Hand-sewn alligator
- White gold folding clasp, hand-engraved with the GF logo

