

Balancier S

In titanium

Hand-wound movement • Patents pending

Timepiece with four hands • hours and minutes • small seconds
power-reserve • 30° inclined GREUBEL FORSEY balance wheel system

Movement

Movement dimensions

- Diameter: 37.00 mm
- Thickness: 10.62 mm

Number of parts

- Movement: 308 parts
- Escapement platform: 68 parts

Number of jewels

- 42
- Olivé-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
- Relief-engraved text, circular-grained, black treatment, polished chamfer

Balance wheel

- In-house variable-inertia with 6 gold mean-time screws (12.60 mm diameter)

Frequency

- 21'600 vibrations/hour

Balance spring

- Phillips terminal curve
- Geneva-style stud

Bridges and main plate

- Titanium
- Frosted, polished bevelling and countersinks
- Multi-level, suspended-arch bridge, polished with black treatment in relief, polished bevelling and countersinks
- Movement side, frosted bridges, polished edges and bevelling
- Gold plate with engraved limitation number, circular-grained, polished bevelling and countersinks, straight-grained flanks

Escapement platform

- Inclined at a 30° angle
- Titanium, frosted, polished countersinks, large straight-grained inclined facet, black treatment
- Multi-level, titanium balance wheel bridge, polished with black treatment in relief, polished bevelling and countersinks

Gearing

- Involute circle profile
- Inclined gear and profiled teeth on intermediate wheels of the sethands mechanism and small seconds

Displays

- Hours and minutes, on suspended arch bridge
- Small seconds
- 72-hours power reserve on a sector

Exterior

Case

- Titanium with curved synthetic sapphire crystal
- Three-dimensional, variable geometry-shaped bezel with raised engraved text
- Profiled lugs, screwed fixing
- Caseband with rubber
- Transparent back with high domed synthetic sapphire crystal
- Titanium security screws
- Raised engraving "Balancier Incliné" and "Greubel Forsey"

Case dimensions

- Caseband diameter: 43.00 mm
- Bezel diameter: 45.00 mm
- Case height: 13.75 mm
- Height on synthetic sapphire crystals: 15.60 mm

Water resistance of the case

- Water-resistant 10 atm - 100 m - 328 ft (standard NIHS 92-20/SN ISO 22810:2010)

Crown

- Titanium and rubber with GF logo
- Colour-coded rubber capping, interchangeable

Dial side

- Three-dimensional, variable geometry hour-ring, with lacquered hours and minutes indexes
- Power-reserve indicator, engraved and lacquered
- Gold small seconds dial, rhodium-coloured, polished bevel

Hands

- Hours and minutes, curved profile, polished steel
- Small seconds, red finish
- Power-reserve in polished steel, flat black polished head

Strap and clasp

- Rubber with text in relief
- Titanium folding clasp, engraved GF logo

