

GREUBEL FORSEY

ART *f* INVENTION

TECHNICAL DETAILS

Balancier Convexe S² in titanium

Limited edition

Hand-wound movement • Patents pending

Hours and minutes • small seconds • power-reserve • 30° inclined Greubel Forsey balance wheel system

Movement

Movement dimensions

- Overall diameter: 37.00 mm
- Thickness: 10.05 mm

Number of parts

- Movement: 301 parts
- Escapement platform: 68 parts

Number of jewels

- 43
- 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
- Relief-engraved text, circular-grained, black treatment

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 plates

- Titanium
- Frosted, polished bevelling and countersinks, anthracite or blue treatment according to the version
- Multi-level, openworked suspended-arch bridge, black treatment, straight-grained and polished, 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

- Titanium
- Inclined at a 30° angle
- Frosted, polished countersinks, large straight-grained inclined facet
- Multi-level, openworked balance wheel bridge, straight-grained and polished, polished bevelling and countersinks

Gearing

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

Displays

- Hours and minutes, on suspended arch bridge
- Small seconds
- Power reserve on a sector

Exterior

Case

- Titanium with curved synthetic sapphire crystal
- Three-dimensional, variable geometry-shaped bezel, hand-polished with hand-finished straight graining
- Profiled lugs, screwed fixing
- Transparent back with high domed synthetic sapphire crystal
- Titanium security screws
- Raised engraving "Balancier Incliné" and "Greubel Forsey"

Case dimensions

- Caseband diameter: 41.50 mm
- Bezel diameter: 44.00 mm
- Case height: 12.85 mm
- Height on synthetic sapphire crystals: 14.80 mm

Water resistance of the case

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

Crown

- Titanium, polished, frosted and straight-grained, with GF logo

Dial side

- Three-dimensional, variable geometry hour-ring, polished, with engraved and lacquered minute-circle
- Three-dimensional, variable geometry hour indexes, polished, with Super-Luminova
- Power-reserve indicator, engraved and lacquered
- Gold small seconds dial with polished bevel

Hands

- Hours and minutes, curved profile, polished steel with Super-Luminova
- Small seconds, in polished steel, flat black polished head
- Power-reserve, red triangle

Strap and clasp

- Non-animal material, rubber with texture in relief, titanium folding clasp, engraved GF logo
- *On demand:*

3-row metal bracelet in titanium, folding clasp with integrated fine adjustment, engraved GF logo