

GREUBEL FORSEY

ART *f* INVENTION

TECHNICAL DETAILS

Double Balancier Convexe in titanium

Limited edition

Hand-wound movement with 2 patents

Double Balancier • hours and minutes • small seconds • 4-minutes spherical constant differential rotation • power-reserve

Movement

Movement dimensions

- Overall diameter: 37.70 mm
- Thickness: 9.46 mm

Number of parts

- Movement: 371 parts
- Escapement platform: 2 x 70 parts
- Spherical constant differential: 30 parts

Number of jewels

- 50
- 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, polished chamfer

Balance wheel

- Variable-inertia with gold mean-time screws (10mm diameter)

Frequency

- 21'600 vibrations/hour

Balance springs

- Phillips terminal curve
- Geneva-style stud
- Anti-shock system with gold pin

Bridges and main plates

- Titanium
- Frosted, polished bevelling and countersinks, grey treatment
- Multi-level, openworked centre bridge, polished bevelling and countersinks

Movement side

- Flat black polished steel differential bridge
- Gold plate with engraved limitation number, circular-grained, polished bevelling and countersinks, straight-grained flanks

Escapement platforms

- Inclined at a 30° angle
- Steel, straight graining, hand-polished bevelling and countersinks
- Polished steel pillars
- Openworked steel balance wheel bridges, hand-polished bevelling and countersinks, flat black polished

Gearing

- Involute circle profile
- Inclined gear with profiled teeth on fourth wheel

Displays

- Hours and minutes
- Small seconds
- 4-minutes spherical constant differential rotation
- 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 curved synthetic sapphire crystal
- Titanium security screws
- Raised engraving "Double Balancier" and "Greubel Forsey"

Case dimensions

- Caseband diameter: 42.50 mm
- Bezel diameter: 44.40 mm
- Case height: 13.75mm
- Height on synthetic sapphire crystals: 14.35 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 with engraved and lacquered minute-circle
- Three-dimensional, variable geometry hour indexes, polished, with Super-Luminova
- Power-reserve indicator, engraved and lacquered
- Differential rotation and small seconds indicators in gold

Hands

- Hours and minutes, curved profile, polished steel with Super-Luminova
- Power-reserve, 4-minutes and small seconds in polished steel, blued according to the version, flat black polished head

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