

# GREUBEL FORSEY

ART *f* INVENTION

## TECHNICAL DETAILS

### Balancier Convexe S<sup>2</sup> Carbon

#### Limited edition

#### Hand-wound movement • Patents pending

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

#### Movement

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##### Movement dimensions

- Overall diameter: 37.00 mm
  - Thickness: 10.05 mm
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##### Number of parts

- Movement: 303 parts
  - Escapement platform: 68 parts
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##### Number of jewels

- 43
  - Olived-domed jewels in gold chatons
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##### Chronometric power reserve

- 72 hours
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##### 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
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##### Balance wheel

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

- 21'600 vibrations/hour
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##### Balance spring

- Phillips terminal curve
  - Geneva-style stud
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##### Bridges and main plates

- Carbon and titanium
  - Frosted, polished bevelling and countersinks, black treatment
  - Multi-level, openworked suspended-arch bridge, black treatment, straight-grained and polished, polished bevelling and countersinks
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##### Movement side

- Frosted bridges, polished edges and bevelling
  - Gold plate with engraved limitation number, circular-grained, polished bevelling and countersinks, straight-grained flanks
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##### Escapement platform

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

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

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

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###### Case

- Carbon and titanium with curved synthetic sapphire crystal
  - Three-dimensional, variable geometry-shaped bezel, hand-finished
  - Profiled lugs, screwed fixing
  - Transparent back with high domed synthetic sapphire crystal
  - Titanium security screws
  - Raised engraving "Balancier Incliné" and "Greubel Forsey"
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###### 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
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###### Water resistance of the case

- Water-resistant 5 atm - 50 m - 164 ft (standard NIHS 92-20/SN ISO 22810:2010)
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###### Crown

- Carbon, hand-finished with GF logo
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###### 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
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###### Hands

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

- Non-animal material, rubber with texture in relief, titanium and carbon folding clasp, engraved GF logo