

Tourbillon 24 Secondes Architecture In titanium Hand-wound movement with 2 patents

Tourbillon 24 Secondes • hours and minutes • small seconds
• 24-seconds tourbillon rotation • power-reserve

Movement

Movement dimensions

- Overall diameter: 38.70 mm
- Thickness: 12.35 mm

Number of parts

- Movement: 354 parts
- Tourbillon cage: 86 parts
- Weight of the cage: 0.38 g

Number of jewels

- 42
- Oliveted-domed jewels in gold chatons

Chronometric power reserve

- 90 hours

Barrels

- Three 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
- Engraved pattern with Greubel Forsey, lacquered, circular-grained

Balance wheel

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

Frequency

- 21'600 vibrations/hour

Balance springs

- Phillips terminal curve
- Geneva-style stud

Bridges and main plate

- Titanium
- Frosted, polished bevelling and countersinks
- Polished spherical bridges, polished bevelling and countersinks
- Three-dimensional centre bridge, frosted, polished bevelling and countersinks

Movement side

- Three-dimensional power-reserve bridge, frosted, polished bevelling and countersinks
- Tourbillon bridge, polished bevelling and countersinks, circular-grained
- Engraved pattern with individual number, circular-grained, straightgrained flanks

Tourbillon

- Inclined at a 25° angle, 24-seconds rotation
- Light alloy cage pillars
- Titanium cage bridges
- Gold counterweight

Gearing

- Involute circle profile
- Tangential inclined gear on fixed wheel and profiled teeth on escape wheel pinion

Displays

- Hours and minutes
- Small seconds
- Power reserve on a sector
- Tourbillon rotation

Exterior

Case

- Titanium and synthetic sapphire crystal
- Three-dimensional, variable geometry bezel with raised engraved text
- Synthetic sapphire crystal over the entire periphery of the caseband
- Three-dimensional, variable geometry lugs, hand-polished with handfinished straight graining
- Transparent back with synthetic sapphire crystal
- Titanium security screws
- Raised engraving "Architecture 1" and "Greubel Forsey"

Case dimensions

- Caseband diameter: 47.05 mm
- Bezel diameter: 45.50 mm
- Height: 16.80 mm

Water resistance of the case

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

Crown

- Titanium, polished and frosted, with GF logo

Dial side

- Three-dimensional, variable geometry hour-ring, indexes with Super-LumiNova
- Power-reserve indicator, circular-grained, engraved and lacquered
- Gold small second indicator, circular-grained, polished flank
- 24-seconds tourbillon rotation indicator

Hands

- Hours and minutes, curved profile, polished steel with Super-Luminova
- Small seconds, red triangle
- Power-reserve rack, circular-grained, polished bevelling, straight-grained flanks
- 24-seconds double-tipped, black anodised aluminium

Strap and clasp

- Non-animal material, rubber with text in relief, titanium folding clasp, engraved GF logo

