

## Press release

La Chaux-de-Fonds, July 9, 2010

Since the launch of The Double Tourbillon 30° in 2004, Greubel Forsey has released 3 lines based on this invention, namely : *Contemporaine* (which includes Vision and Secret models), *Invention* (which includes the Invention Piece 1 model) and *Technique* (the Double Tourbillon 30° Technique model).

## The Double Tourbillon 30° Edition Historique

In the spirit of independence and exclusivity, Greubel Forsey decided in 2010 to end the Double Tourbillon 30° *Contemporaine* by creating two unique series, the “Edition Historique”:

- 11 pieces in 5N red gold, and
- 11 pieces in platinum.

The closure of the Double Tourbillon 30° *Contemporaine* is a strong symbol for the brand: This line is heavily steeped in history as it is the timepiece which launched the Greubel Forsey adventure and forms the foundation of legitimacy for the inventions that followed. The decision to cease the Double Tourbillon 30° *Contemporaine* after six successful years will also see Greubel Forsey channelling new energy in creating systems, inventions and to explore new avenues.

## Beyond Invention

The complexity of this timepiece is not only limited to the tourbillon system, but is visible in other aspects including a new kind of dial. This exclusive gold dial integrates three sapphire-crystal plates. These complex insertions are engraved and enhanced by a 3D structured text.

The bezel with beveled relief gives an original look to this final edition, a new interpretation of the style of the earlier models while retaining the intrinsic design features of a Greubel Forsey timepiece.

Like the other Greubel Forsey timepieces, the Double Tourbillon 30° expresses the thinking of its creators. Visually, you will also discover the 3D structured text on the dial and engraved hand-decorated curved plates affixed to the sides of the case extolling the philosophy and skill of the inventor watchmakers.

## Creativity, technicality and craftsmanship

Invented in the early nineteenth century for the pocket watch and virtually unchanged since, the tourbillon aims to eliminate the equilibrium difference of the balance spring caused by gravity. However, since the beginning of their adventure together, the inventor watchmakers Robert Greubel and Stephen Forsey have always sought to exceed the achievements of watch-making science, going further in the complexity and research to effectively improve the operation of the wristwatch.

They developed a tourbillon caged within a second cage, so that this new complication will permanently cancel the rate errors due to gravity, taking account of all the usual positions of a wristwatch. Called the Double Tourbillon 30°, precisely because of the angle that connects the two rotating cages, this patented system provides a decisive technological progress and marks a milestone in the history of watch-making.

**Material to download**

- Technical specifications (click on the link below)

Technical datas for 5N red gold

Technical datas for platinum



- High resolution RGB pictures (click on the picture)

5N red gold in CMYK (TIFF/17Mo)

platinum case in CMYK (TIFF/17Mo)



- Press release (Word file)



- For more information, please contact: [press@greubelforsey.com](mailto:press@greubelforsey.com)

GF  
GREUBEL FORSEY

INVENTEURS HORLOGERS



DOUBLE TOURBILLON 30°

*Edition Historique*

5N red gold case

# DOUBLE TOURBILLON 30° - EDITION HISTORIQUE

MECHANICAL HAND-WOUND MOVEMENT, CALIBRE GF 02E

**Double Tourbillon 30°, Hours and minutes display, Outer Tourbillon 4-minute rotation indicator, Inner Tourbillon 60-Second rotation indicator, power-reserve indicator.**

Unique Edition of 11 pieces in 5N red gold

## PATENTED MOVEMENT

Movement dimensions	<ul style="list-style-type: none"><li>• Diameter : 36.40 mm</li><li>• Thickness : 9.65 mm</li></ul>
Number of parts	<ul style="list-style-type: none"><li>• Complete movement : 303 parts</li><li>• 2 Tourbillon cages : 130 parts</li><li>• Weight of the two cages : 1.17 g</li></ul>
Number of jewels	<ul style="list-style-type: none"><li>• 39</li><li>• Olive-domed jewels in gold chatons</li></ul>
Power reserve	72 hours
Barrels	Rapid rotating twin barrels (1 Turn in 3.2 hours), one of which equipped with a slipping spring so as to avoid excess tension
Balance wheel	Variable-inertia with gold mean-time screws (10.70 mm diameter)
Frequency	21'600 vibrations/hour
Balance spring	<ul style="list-style-type: none"><li>• Phillips terminal curve</li><li>• Geneva-style stud</li></ul>
Main Plates	Nickel silver circular graining and hand-bevelled, finished in "Nickel Palladium"
Bridges	Nickel silver frosted and hand-bevelled, finished in "Nickel Palladium"
Gearing	<ul style="list-style-type: none"><li>• Involute circle profile</li><li>• Conical gearing with corrected profile</li></ul>
Inner Tourbillon	Inclined at a 30° angle, 1 rotation per minute
Outer Tourbillon	<ul style="list-style-type: none"><li>• 1 rotation in 4 minutes</li><li>• Hand-bevelled and openworked cage pillars</li><li>• Gold counterweight</li></ul>
Displays	<ul style="list-style-type: none"><li>• Hours and minutes</li><li>• Small seconds</li><li>• 4-minute Outer Tourbillon rotation indicator</li><li>• 72-hour power reserve on a sector</li></ul>

## EXTERIOR

Case material and finishes	<ul style="list-style-type: none"><li>• In 18k 5N red gold with convex sapphire crystal</li><li>• Transparent back with convex sapphire crystal</li><li>• Raised polished engraving of the name of the Invention on a hand-punched background</li><li>• Gold security screws</li><li>• Three-dimensional, variable geometry-shaped lugs</li><li>• Four 5N red gold engraved plates bearing text screwed to the caseband</li><li>• Hand-engraved individual number on the caseback</li><li>• Unique edition of 11 pieces in 5N red gold numbered from 165 to 175</li></ul>
Case dimensions	<ul style="list-style-type: none"><li>• Diameter : 44.50 mm plates included, 43.50 on bezel</li><li>• Thickness : 16.11 mm</li></ul>
Water resistance of the case	3 ATM - 30 M - 100 FT
Crown	5N red gold with engraved and black lacquered GF logo
Dial	<ul style="list-style-type: none"><li>• 18k gold dial, anthracite colour</li><li>• Sapphire-crystal plates with 3D structured text</li><li>• Hour markers in gold</li><li>• Gold plate with the individual number</li><li>• Gold security screws</li></ul>
Hands	<ul style="list-style-type: none"><li>• Hours, minutes, small seconds, and power reserve in polished gold</li><li>• Sapphire 4-minute engraved indicator</li></ul>
Strap and clasp	Hand-sewn black alligator. 18k 5N red gold folding clasp, hand-engraved with the Greubel Forsey logo

GF  
GREUBEL FORSEY

INVENTEURS HORLOGERS



DOUBLE TOURBILLON 30°

*Edition Historique*

Platinum case



# DOUBLE TOURBILLON 30° - EDITION HISTORIQUE

MECHANICAL HAND-WOUND MOVEMENT, CALIBRE GF 02E

**Double Tourbillon 30°, Hours and minutes display, Outer Tourbillon 4-minute rotation indicator, Inner Tourbillon 60-Second rotation indicator, power-reserve indicator.**

Unique Edition of 11 pieces in platinum

## PATENTED MOVEMENT

Movement dimensions	<ul style="list-style-type: none"><li>• Diameter : 36.40 mm</li><li>• Thickness : 9.65 mm</li></ul>
Number of parts	<ul style="list-style-type: none"><li>• Complete movement : 303 parts</li><li>• 2 Tourbillon cages : 130 parts</li><li>• Weight of the two cages : 1.17 g</li></ul>
Number of jewels	<ul style="list-style-type: none"><li>• 39</li><li>• Olive-domed jewels in gold chatons</li></ul>
Power reserve	72 hours
Barrels	Rapid rotating twin barrels (1 Turn in 3.2 hours), one of which equipped with a slipping spring so as to avoid excess tension
Balance wheel	Variable-inertia with gold mean-time screws (10.70 mm diameter)
Frequency	21'600 vibrations/hour
Balance spring	<ul style="list-style-type: none"><li>• Phillips terminal curve</li><li>• Geneva-style stud</li></ul>
Main Plates	Nickel silver circular graining and hand-bevelled, finished in "Nickel Palladium"
Bridges	Nickel silver frosted and hand-bevelled, finished in "Nickel Palladium"
Gearing	<ul style="list-style-type: none"><li>• Involute circle profile</li><li>• Conical gearing with corrected profile</li></ul>
Inner Tourbillon	Inclined at a 30° angle, 1 rotation per minute
Outer Tourbillon	<ul style="list-style-type: none"><li>• 1 rotation in 4 minutes</li><li>• Hand-bevelled and openworked cage pillars</li><li>• Gold counterweight</li></ul>
Displays	<ul style="list-style-type: none"><li>• Hours and minutes</li><li>• Small seconds</li><li>• 4-minute Outer Tourbillon rotation indicator</li><li>• 72-hour power reserve on a sector</li></ul>

## EXTERIOR

Case material and finishes	<ul style="list-style-type: none"><li>• In platinum 950 with convex sapphire crystal</li><li>• Transparent back with convex sapphire crystal</li><li>• Raised polished engraving of the name of the Invention on a hand-punched background</li><li>• Gold security screws</li><li>• Three-dimensional, variable geometry-shaped lugs</li><li>• Four platinum engraved plates bearing text screwed to the caseband</li><li>• Hand-engraved individual number on the caseback</li><li>• Unique edition of 11 pieces in platinum numbered from 176 to 186</li></ul>
Case dimensions	<ul style="list-style-type: none"><li>• Diameter : 44.50 mm plates included, 43.50 on bezel</li><li>• Thickness : 16.11 mm</li></ul>
Water resistance of the case	3 ATM - 30 M - 100 FT
Crown	Platinum with engraved and black lacquered GF logo
Dial	<ul style="list-style-type: none"><li>• 18k gold dial, anthracite colour</li><li>• Sapphire-crystal plates with 3D structured text</li><li>• Hour markers in gold</li><li>• Gold plate with the individual number</li><li>• Gold security screws</li></ul>
Hands	<ul style="list-style-type: none"><li>• Hours, minutes, small seconds, and power reserve in polished gold</li><li>• Sapphire 4-minute engraved indicator</li></ul>
Strap and clasp	Hand-sewn black alligator. Platinum folding clasp, hand-engraved with the Greubel Forsey logo