

Glashütte, November 2013

Technical data BENU Tourbillon

Movement	Manufacture calibre 103.0, manually wound, adjusted in five positions
No. of parts:	245 (wheel train 186, cage 59)
No. of jewels	30, 4 of which in screwed gold chatons (wheel train 17, cage 13)
Escapement	Lever escapement
Oscillator	Grossmann three-minute tourbillon with stop seconds; shock-absorbed Grossmann balance with 4 inertia and 2 poising screws, suspended Nivarox 1 balance spring with No. 80 terminal curve, Gerstenberger geometry
Cage diameter	16.2 mm
Cage speed	1 revolution in three minutes, anti-clockwise when viewed from dial side
Balance diameter	14.2 mm, frequency 18,000 semi-oscillations per hour
Power reserve	72 hours when fully wound
Functions / features	<ul style="list-style-type: none">- Flying three-minute tourbillon with screw-secured driving wheel and V-shaped balance bridge (design patent pending)- Sweep minutes, off-centre hours and seconds with stop seconds, replacement of the missing minute scale segment from 25 to 35 minutes with a separate scale swept by the extension of the minute hand on the opposite side (patent pending)- Stop seconds at the balance wheel rim with a pivoting fine-hair brush (patent pending)- Asymmetric-arm lever escapement with counterweight and lever banking pin- Grossmann balance with suspended balance spring, adjustable with poising screws in the rim- Newly developed mainspring barrel jewel bearing- Brake ring on the fourth-wheel arbor made of very hard, oily guaiacum- ARCAP train wheels- Grossmann winder with pusher to deactivate the handsetting mode and start the movement- Modified Glashütte stopwork with backlash

- Pillar movement with 2/3 plate and frame pillars in untreated German silver
- Hand-engraved 2/3 plate and tourbillon cock
- Broad horizontal Glashütte ribbing
- 3-band snailing on the ratchet wheel
- Raised gold chatons with pan-head screws
- White sapphire bearing jewels
- Separately removable clutch winder

Operating elements	Crown in 750/000 white gold to wind the watch and set the time, pusher in 750/000 white gold to start the movement
Case dimensions	Diameter: 44.5 mm, height: 13.8 mm
Movement dimensions	Diameter: 38.4 mm, height: 7.1 mm
Case	Three-part, in 750/000 white gold
Dial:	Solid silver, three-part, argenté, with Arabic numerals
Hands	Hand-crafted, steel, annealed to a brown-violet hue
Crystal/display back	Sapphire crystal, antireflective coating on one side
Strap	Hand-stitched alligator strap with butterfly clasp in 750/000 white gold
Limited edition	50 watches world-wide