

Feat of watchmaking, design and engineering, taking the celestial display so integral to seafarers, astronomers and ancient horologers and placing it on your wrist.

Never before seen in watchmaking, the Astronomia Sky introduces a three-dimensional sidereal display. "As a sailor heading toward the seas driven by the celestial vault, I found my star: the Astronomia Sky", says Jacob Arabo, founder of Jacob & Co.

Technical Specifications

Item Number: AT110.40.AA.SD.A

Movement: Manufacture Jacob&Co. Manual Winding JCAM11;
Diameter: 40mm; Height: 17.15mm; Components: 395; Material: Titanium;
Jewels: 42; System: Triple Axis Gravitational Tourbillon;
Finishing: Plate and Bridges: Hand Angled and Polished, Flank Draw, Circular Graining, Polished Sink; Polished Screws; Power Reserve: 60-Hours;
Frequency: 21'600 vib/h (3 Hz).

Functions: SIDEREAL DISPLAY

Celestial Dial covering the internal surface of the inside case, representing the celestial vault through zodiac signs
A full rotation in 1 sidereal year .
Oval sky indication: Showing the portion of the stars visible from the northern hemisphere, a full rotation in 1 sidereal day above the celestial vault.
Month indication: 12 months on sides of the celestial dial.

DAY AND NIGHT INDICATION

Lacquered hand-engraved titanium globe, rotating on 2 axes:

- 1st Axis: A full rotation on itself in 24 hours;
- 2nd Axis: Central Axe, travelling across the celestial vault in 20 minutes;

Inside a tinted half-domed sapphire, symbolizing night and day.

GRAVITATIONAL TRIPLE AXIS TOURBILLON

Rotating on 3 axes:

- 1st Axis: in 60 seconds,
- 2nd Axis: in 5 minutes,
- 3rd Axis: Central Axe, travelling across the celestial vault in 20 minutes;

ORBITAL SECOND INDICATION

Rotating on 2 axes:

- 1st Axis: in 60 seconds,
- 2nd Axis: Central Axe, travelling across the celestial vault in 20 minutes

Open Worked Titanium Wheel and Hand indicating seconds;

HOURLY & MINUTE INDICATION

Patented differential system

Rotating on a Central Axe, travelling across the celestial vault in 20 minutes;

THE JACOB CUT ORANGE SAPPHIRE

Weight: 1 carat; 288 Facets Jacob-cut Orange Sapphire

Rotating on 2 axes:

- 1st Axis in 60 seconds.
- 2nd Axis: Central Axe, travelling across the celestial vault in 20 minutes.

Case: 47mm; Thickness: 25mm; Material: 18K Rose Gold; Sapphire Apertures on Sides; Case Back: 18K Rose Gold; Bows: 18K Rose Gold lift-out Rotating "bows" for Winding, Time-Setting; Two Wheels on Caseback Sides for Synchronization of the Sidereal Time: Celestial Dial and Oval Sky Indicator; Crystal: Unique Domed Sapphire with Anti-Reflective Treatment; Water resistance: 30m (ISO 2281).

Dial: Celestial Dial: Blue Grade 5 Titanium, 18K Gold hand-engraved and applied stars and zodiacal signs; Hour and Minute Subdial: Titanium, Hand Angled and Polished, Lacquered Indexes; Differential Gear System; Hands: Hand Finished Blue.

Strap & Clasp: Alligator; 18K Rose Gold Folding Buckle.

Limited Edition: 18 Pieces; Individually Numbered Pieces.

¹ One sidereal year is the time it takes the earth to orbit the sun with respect to the fixed stars.
² Sidereal Day= 23.5640916 hours, it is the time it takes the earth to rotate on its axis (relative to vernal equinox).

