




ROLEX
MILGAUSS

MILGAUSS

OYSTER, 40 MM, OYSTERSTEEL

The Rolex Milgauss was designed to meet the demands of the scientific community and is capable of withstanding magnetic fields of up to 1,000 gauss. The reliability and precision of an ordinary mechanical watch can be affected by a magnetic field of 50 to 100 gauss. But many scientists are exposed to much higher magnetic fields during the course of their work. Rolex's solution was the Milgauss — the first watch of its kind. Hence the name of the watch, mille being French for thousand. The Milgauss became known notably as the watch worn by scientists at the European Organization for Nuclear Research (CERN) in Geneva.





OYSTERSTEEL

Rolex uses Oystersteel for its steel watch cases. Specially developed by the brand, Oystersteel belongs to the 904L steel family, alloys most commonly used in high-technology and in the aerospace and chemical industries, where maximum resistance to corrosion is essential. Oystersteel is extremely resistant, offers an exceptional finish once polished and maintains its beauty even in the harshest environments.



THE OYSTER BRACELET

The design, development and production of Rolex bracelets and clasps, as well as the stringent tests they face, involve advanced high technology. And, as with all the components of the watch, aesthetic controls by the human eye guarantee impeccable beauty. The Oyster bracelet is a perfect alchemy of form and function. First introduced in the late 1930s, this particularly robust and comfortable metal bracelet with its broad, flat three-piece links remains the most universal bracelet in the Oyster collection.



Z-BLUE DIAL

Green sapphire crystal marked a first in watchmaking when it was introduced on the Milgauss in 2007. Now this crystal is combined with an electric blue dial, an allusion to the emblematic lightning-bolt-shaped seconds hand.



3131 MOVEMENT

The Milgauss is equipped with calibre 3131, a self-winding mechanical movement entirely developed and manufactured by Rolex. It incorporates state-of-the-art technologies patented by the brand that ensure exceptional resistance to magnetic fields. Like all Rolex Perpetual movements, the 3131 is a certified Swiss chronometer, a designation reserved for high-precision watches that have successfully passed the Swiss Official Chronometer Testing Institute (COSC) tests. Its architecture, in common with all Oyster watch movements, makes it singularly reliable.

AN EFFICIENT SHIELDING SYSTEM

The first innovation at the heart of the Milgauss' resistance to magnetic interference is the shield inside the Oyster case. Made of ferromagnetic alloys selected by Rolex, it surrounds and protects the movement. The symbol for magnetic flux density – the capital letter 'B' with an arrow – is engraved in this magnetic shield, but only Rolex-certified watchmakers will ever see it.



REFERENCE

116400GV

MODEL CASE

MODEL CASE

Oyster, 40 mm, Oystersteel

OYSTER ARCHITECTURE

Monobloc middle case, screw-down case back and winding crown

DIAMETER

40 mm

MATERIAL

Oystersteel

BEZEL

Smooth

WINDING CROWN

Screw-down, Twinlock double waterproofness system

CRYSTAL

Green sapphire, scratch-resistant

WATER-RESISTANCE

Waterproof to 100 metres / 330 feet

MOVEMENT

MOVEMENT

Perpetual, mechanical , self-winding , with a magnetic shield to protect the movement

CALIBRE

3131, Manufacture Rolex

PRECISION

-2/+2 sec/day, after casing

FUNCTIONS

Centre hour, minute and seconds hands.
Stop-seconds for precise time setting

OSCILLATOR

Paramagnetic blue Parachrom hairspring

WINDING

Bidirectional self-winding via Perpetual rotor

POWER RESERVE

Approximately 48 hours

BRACELET

BRACELET

Oyster, flat three-piece links

BRACELET MATERIAL

Oystersteel

CLASP

Folding Oysterclasp with Easylink 5 mm comfort extension link

DIAL

DIAL

Z-blue

DETAILS

Highly legible Chromalight display with long-lasting blue luminescence

CERTIFICATION

CERTIFICATION

Superlative Chronometer (COSC + Rolex certification after casing)



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