

# VULCAIN



## Nautical DLC

In 1961, Vulcain presented one of the first diver's watches with an alarm movement that was genuinely audible under water: the Nautical.

### PLUNGING BACK INTO THE LEGEND

The mid-20th century witnessed the invention of the regulator, serving to balance the pressure between the diver's lungs and the compressed air reserves. This invention boosted the spread of scuba diving and the emergence of instruments designed to accompany sports enthusiasts. In 1961, Vulcain presented one of the first diver's watches with an alarm movement that was genuinely audible under water: the Nautical. Its strike represents a precious function which - thanks to its triple case-back serving as a resonance chamber - effectively warns divers that it is time to return to the surface. In 2013, Vulcain pays tribute to this legendary model by creating a DLC limited edition.

### DLC COATING

This highly durable, charcoal grey layer with a low friction coefficient consists of an atomic lattice composed of the two forms of carbon: diamond (sp<sup>3</sup>) and graphite (sp<sup>2</sup>). Diamondblack™ DLC (Diamond-Like Carbon) is applied using a coating process which faithfully mirrors the original surface finishes. Diamondblack™ DLC consists solely of molecules of carbon and hydrogen arranged in a structure similar to that of diamond, producing a layer with excellent chemical stability and high corrosion resistance. Its proven biocompatibility enables prolonged contact with the skin without causing irritation. It has a very high level of hardness, around 5,000 Vickers, compared to stainless steel, approximately 200 Vickers. This high-tech coating is used in the aerospace industry and in any application in which wear-resistance and a low friction coefficient are essential.

### TECHNICAL SPECIFICATIONS

#### NAUTICAL DLC

100-piece Limited Edition

#### CASE

Case: DLC-coated satin-brushed, polished black knurled bezel  
Case-back: triple case-back serving as a resonance chamber and enabling underwater use of the alarm function

Dial: black

Diameter: 42.00 mm

Thickness: 17.30 mm

Glass: plexi

Water resistance: 30 ATM

#### VULCAIN CRICKET MANUFACTURE CALIBRE V-10

Movement: mechanical 12-lignes manually-wound alarm movement, 25 jewels, 157 parts, twin barrels, equipped with Exactomatic system, 48° angle of lift

Decoration: nickel coating, blued screws

Functions: hours, minutes, central seconds, alarm, fixed dial with decompression-table indication and 60-minute graduated rotating inner bezel ring activated by a screwlocked crown at 4 o'clock

Frequency: 18,000 vibrations/hour

Power reserve: 42 hours

Alarm duration: approx. 20 seconds

#### STRAP

Strap: rubberised waterproofed leather black

Dimensions: 22/18 mm

Buckle: DLC-coated steel pin buckle