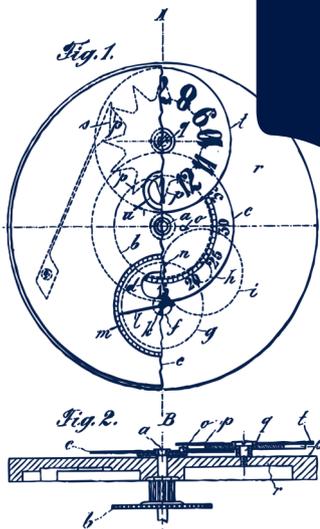


SCAFOGRAF 200 DLC  
EDITION LIMITÉE

USER MANUAL





1887

The Manufacture d'Horlogerie Eberhard & Co., founded in 1887 by Georges-Lucien Eberhard in La Chaux-de-Fonds, from the very beginning has been excelling in the production of chronographs, becoming one of the leading brands in the world of high-end watchmaking. Furthermore, the production of elegant and sporty watches has contributed to the increased prestige of the Eberhard & Co. brand. This is the result of constant commitment from the part of our engineers and skilful designers, who ensure that our products always benefit from the latest developments and the most sophisticated modern technologies. On the other hand, this is also due to the exceptional craftsmanship of the finishes, according to the finest Swiss tradition of precision watchmaking. After over 130 years, now more than ever, Eberhard & Co. is an icon of prestige, enhancing all the values at the core of Swiss watchmaking. Today, the historic headquarters at 73 Avenue Léopold Robert play host to the Eberhard & Co. Museum, which can be visited by appointment.

# SCAFOGRAF 200 DLC EDITION LIMITÉE



The Scafograf collection by Eberhard & Co. is enriched by an extraordinary limited series of the Scafograf 200 model, the diver's watch created in 1959. This new edition of 135 pieces features a DLC-coated 43 mm diameter steel case, for an unprecedented total black look. The unidirectional bezel, also DLC-coated, is embellished with a ceramic insert. The matte black dial features the logo and the wording in white, while applied round and triangular indices allow for the reading of time, with increased visibility thanks to the vintage luminescence also featured on the hands. The screw case back, characterised by the classic engraving of a starfish taken from the models of the past, contributes to ensure water resistance to 200 metres. This model comes either with an integrated rubber strap or with the Chassis bracelet, in DLC-coated steel like the Déclic deployment clasp.

We provide you with a guarantee that your Eberhard & Co. is free from any material or factory defect for a period of 24 months, within the limits of proper and normal use.

The warranty excludes:

- damage, even indirect, due to collision or falls or improper use of the watch
- strap, glass and all parts subject to wear during the normal use of the watch
- watches with reference or serial number scraped or altered or without a regularly activated shield card
- interventions on watches and bracelets carried out by unauthorised personnel or alterations to the watch with respect to its original configuration
- damage caused by failure to check its water resistance
- any postal and insurance charges.

For a technical intervention on the Eberhard & Co. models, please contact our service centres or an authorised dealer, attaching the shield card filled-in, complete with activation PIN code.

For any further information, please refer to the website [eberhard1887.com](http://eberhard1887.com)



**A** Hours hand  
**B** Minutes hand  
**C** Seconds hand  
**D** Winding crown

**E** Helium valve  
**F** Rotating bezel  
**G** 0 index

## FEATURES

The SCAFOGRAF 200 DLC Edition Limitée is a self-winding mechanical watch with a 43mm-diameter DLC-coated steel case, equipped with a valve for the automatic release of helium, a unidirectional external bezel with ceramic insert and sexagesimal scale. The crown is screw-down, the sapphire crystal domed features anti-reflective coating and the screw caseback is customised with the engraving of a starfish. The hands, as well as the indices on the dial, are highly luminescent for improved visibility at night and while diving.

Available version:

- DLC-coated steel case with vintage leather or rubber strap or DLC-coated steel bracelet and Déclic® (Patented) deployment clasp.

Water resistance is guaranteed to 200m.



### HELIUM VALVE (AUTOMATIC)

The helium safety valve is a distinctive component of professional diving watches. It is useful when the watch is used for long and deep underwater work, such as diving bells, an environment requiring to breathe a mixture of helium and oxygen. As helium's atomic structure is so small that it may infiltrate the case, if no valve is letting out the gas accumulated at high pressure inside the watch, during the ascent the glass could be expelled with violence.

## THE DLC PROCESS

The particular DLC - Dianoir® process used by Eberhard & Co., which the whole case of the “SCAFOGRAF 200” undergoes, consists in generating a carbon plasma that deposits itself under control and in its pure state on the steel surface. This special technique, patented, is particularly effective.

This DLC protective coating is colourless and has a three-dimensional structure like a diamond with a purity of 80 to 95%. At the moment it is applied on steel, with a thickness of more than 1,5 to 2 microns, as on the case of the model “SCAFOGRAF 200”, it turns black giving thus a decorative and pleasant look to the surface: a perfect combination of high technical research and charming aesthetics.

This process, protected by an international patent, is unique and allows the production and the deposition on surfaces of tetrahedral amorphous carbon, which is pure carbon without hydrogen. It makes the coating:

- resistant to humidity
- extremely hard 5,300 HV (nearly three times harder than alternative carbon coatings), therefore resistant to surface scratches
- perfectly adherent.

Compared to other similar applications, this surfaces' coating process is made at very low temperature and therefore allows to work on complex and finished pieces without damaging them.

**ATTENTION:** in case of strong impacts, the treatment will resist deformation, but any possible damage will show on the underlying steel.

## USE OF THE CROWN



POSITION A - Screwed crown, water resistance guaranteed.



POSITION B - WINDING – To unscrew the crown, turn it counter clockwise. When the crown is unscrewed, by turning it clockwise the power from the manual winding is transferred to the movement. If you haven't worn your SCAFOGRAF 200 DLC Edition Limitée for some time, the automatic movement must be manually wound. This will provide you with an immediate power reserve and maximum operating accuracy.



POSITION C - Neutral position of the movement.



POSITION D - Pull out the crown until the second click. In this position, hours and minutes can be adjusted.

### IMPORTANT

To close the crown, press it lightly against the case and turn it clockwise until it is fully screwed. Before diving, the crown must be in the closed position (position **A**). Only then can water resistance be guaranteed.

## USE AND READING OF THE ROTATING BEZEL

To adjust the bezel, rotate it counter clockwise, matching the zero index (ⓐ) with the minute hand (ⓑ). In this way, from that moment, you can constantly view the time spent during the dive or any other situation. For greater visibility, the zero index (ⓐ) and the minutes markers of the first 15 minutes featured on the ceramic bezel are luminescent.

## MAINTENANCE OF THE RUBBER STRAP

We recommend periodically cleaning the strap with soap and water, avoiding the use of aggressive detergents.

## CARE OF WATER-RESISTANT WATCHES

It is recommended to check the crown position before each dive. After use in sea water, rinse the watch with fresh water. Do not use the crown when the watch is wet. The water-resistance and the need to replace the gaskets should be checked at a qualified technical service centre every year and, in any case, before any intensive use.

## COMPLIANCE WITH ISO STANDARDS

- Tensile test on the strap – ISO 6425:1996
- Visibility test for diver's watch – ISO 6425 - § 6.2
- Underwater water-resistance test – ISO 6425
- Magnetic-resistance test – ISO 764 (NIHS 90-10)
- Shock-resistance test with pendulum – ISO 1413 :1984 (NIHS 91-10)



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