

Extra - fort

Roue à Colonnes Grande Date

125^{ème} anniversaire

USER MANUAL



EBERHARD & CO

Manufacture Suisse d'Horlogerie depuis 1887



The Eberhard & Co. watch manufactory was founded by Georges-Emile Eberhard at La Chaux-de-Fonds back in 1887. Ever since, the venture has specialised in the making of chronographs. In this capacity, it has attained a highly respected position in the world of high-grade watches. With the introduction, at a later stage, of sportively elegant watches it has furthermore augmented this status of the Eberhard & Co. brand name.

Eberhard's success story is backed by consistent deployment of advanced technology, meticulous craftsmanship and, not least, by observing that long tradition of superior workmanship which has made Swiss watchmaking a household name.

Today, with well over a century gone by, watches by Eberhard & Co. continue to stand for that high-grade quality and those excellent virtues which will please even the most demanding of connoisseurs.



Extra - fort
ROUE A COLONNES
GRANDE DATE
125^{ème} anniversaire

An exclusive and elegantly styled automatic chronograph celebrates the 125th anniversary of Eberhard & Co.: "Extra fort Roue à Colonnes Grande Date 125ème Anniversarie". 125 years devoted to research and constant innovation, expressed in one of the models that best represents the history of the Maison, reinterpreted in a contemporary ley, retaining class and style. On the dial the Arabic numerals at 1, 2 and 5 o'clock stand out, symbolising this important anniversary. 125 years: the tradition of the past and the inspiration of the future.

INFORMATION REGARDING THE INTERNATIONAL GUARANTEE

We hereby guarantee your Eberhard & Co. watch against any defects in manufacture or materials for a period of 24 months, subject to normal conditions of use.

This guarantee does not cover:

- damage caused by improper technical handling or by shocks
- wear to the strap, glass or any other part during normal watch use.

For technical revisions of the Eberhard & Co. "Extra-fort Roue à Colonnes Grande Data 125ème Anniversarie" model please contact only technical service facilities authorised by Eberhard & Co. The eventual shipping and insurance charges are to paid by the owner.

We recommend to have the movement checked and overhauled every 3 years on average.

For our part, we shall always endeavour to give full satisfaction.



- A Push button to start and stop the chronograph
- B Push button for setting to zero all hands of the chronograph
- C Winding crown
- D Hours-hand of the watch
- E Minutes-hand of the watch
- F Small continuous seconds-hand

- G Centre-seconds-hand of the chronograph
- H Small minutes-hand of the chronograph
- I Small hours-hand of the chronograph
- L Tachometer scale
- M 1/5 second scale
- N Date

FEATURES

Mechanical chronograph with automatic-winding movement and column-wheel, water-resistant screwed-in crown and curved sapphire glass with antireflective treatment, the caseback is in sapphire glass fixed by 6 screws.

From this collection, the following versions are available:

– Case in stainless steel with crocodile leather-strap with deployment clasp Déclic or with steel bracelet.

Water-resistant down to 50 m.

– Case in 18 carat pink gold, with crocodile leather-strap and 18 carat pink gold buckle.

Water-resistant down to 30 m.

READING THE DIAL

On the “Extra-fort Roue à Colonne Grande Date 125ème Anniversaire” dial there are 3 counters which have the following functions:

– Small continuous seconds-hand **F**

– Small minutes-hand of the chronograph **H**

– Small hours-hand of the chronograph **I**

The chronograph seconds are given by the centre-hand **G**

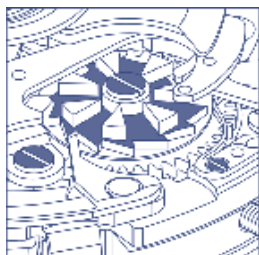
The calendar is situated at 12 **N**.

DISTINCTIVE FEATURES OF THE MOVEMENT

Chronographic automatic movement, 28800 vibrations per hour

- Regulator for fine adjustments
- “Glucydur” balance for regulating the movement (the inoxidizable alloy of which has a low coefficient of expansion), combined with a self-compensating spiral; it is hence insensitive to temperature fluctuations and ensures an optimum regulation of the movement
- Number of rubles: 28
- 42-hours power-reserve (with non-inserted chrono)
- Movement with “décourée-soignée” finish
- Satin circular-grained rotor, engravings “1887-2012 125ème anniversaire”, the shield, symbol of the Maison
- Blue screws
- Rubies’ contour with glit circular incision
- The steel components of the chrono and the column-wheel device are bevelled and polished

THE COLUMN-WHEEL



It is the sophisticated control centre which allows to start and stop the chronograph, and prevents the accidental setting to zero when the chronograph is working. Characteristics of this fine device are the remarkable technical value, the accuracy and the softness of its functions. Its realisation involves a total technical mastery both during the components production and the control and assembly phases.

It's the signature of the great chronograph.

OPERATING THE CROWN



POS. A - Screwed-in crown, guaranteed water-resistance.



POS. B - WINDING OF THE WATCH – To unscrew the crown turn it counter-clockwise. When it is unscrewed, turn it clockwise to transmit the manual charge to the movement. If your “Extra-fort Roue à Colonnes Grande Date 125^{ème} Anniversaire” has not been worn for some time, the movement has to be wound manually, in order to obtain an immediate sufficient power-reserve e and to ensure an accurate working of the watch.



POS. C - RAPID DATE-SETTING – Pull the crown to the first catch. Turning the crown clockwise you will operate for setting the desired date. **IMPORTANT:** Never make the correction of the date between 10 p.m. and 1 a.m.



POS. D - TIME SETTING – Pull the crown to the second catch to set the time.

IMPORTANT

To set back the crown, push it lightly against the watch case while twisting it clockwise until it is fully screwed back in.

OPERATING INSTRUCTIONS FOR THE CHRONOGRAPH

Press the push-button **A** to start the chronograph mechanism. Press the push-button a second time to stop the chronograph mechanism. You can now read on the counters how many seconds **G** and minutes **H** and hours **I** have elapsed. Press the push-button again and the chronograph will restart from the intermediate stop. To return to zero, the chronograph must be in the stop position. Press the second push-button **B** and all hands will return to zero. You are advised not to leave the chronograph mechanism operating continuously.

PUSH BUTTONS

Make sure push-buttons are always pressed in the following order:

A : start

A : stop

B : return to zero

Abide by this sequence quite severely so as to preclude damage to the mechanism.

Never make use of the push-buttons under water since they are not watertight while being pressed.

HOW TO USE THE TACHOMETER SCALE

The outer rim on the dial shows the data needed for metering the speed of a vehicle over a distance of 1,000 metres. The moment the vehicle passes the first reading marking the beginning of said 1,000m distance, activate the hand **G** of the chronograph to bring it to a stop the moment the vehicle passes the second reading mark. Said hand **G** will now indicate the average speed reached in km/h in tune with the tachometer scale.

Example: when one kilometre is covered within 45 seconds, the average speed displayed by the centre seconds-hand **G** on the tachometer scale will be tantamount to a speed of 80km/h.

1/5 SECOND SCALE

The division on the dial of this model **M** enables the user to make observations not just to approximately a second, but to the order of 1/5 second.

OPERATING INSTRUCTIONS FOR THE CHRONOGRAPH

The “Extra-fort Roue à Colonnes Grande Date 125^{ème} Anniversaire” in 18 carat pink gold model resists unintentional contact with water (rain or small splashes), but it is not fit for swimming, plunging or diving activities. The steel version, water-resistant up to 50 m, can be used in water or in the shower but not for activities like snorkelling, diving or scuba diving.

Important: do not pull out the crown nor activate the pushbuttons as long as the watch is wet. We strongly recommend that you have the water-resistance checked at least once a year by a qualified technical service facility in order to find out if the gaskets need to be replaced.

EFFECTS FROM MAGNETIC FIELDS

It is recommended that you do not leave your watch near electronic equipment (e.g. televisions – cell phones – refrigerators – microwave ovens – radio alarms etc.), which could, even at short distances, give off magnetic fields capable of magnetizing several components of the mechanical movement, causing variations in operational precision. In case of magnetization, the movement must undergo a simple demagnetizing procedure.



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