

Extra - fort

Roue à Colonnes Grande Date

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.





- 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 Tachymeter scale
- M 1/5 second scale
- N Date

FEATURES

The Extra-fort by Eberhard & Co. was introduced back in the fifties, and we can now say it is a chronograph that has marked an era and added an important chapter to the history of the Maison Suisse. Half a century later, Eberhard & Co. has reinterpreted the spirit of that great past to update it to the state of the art by bringing out the Extra-fort model with a column-wheel mechanical automatic-winding movement. Screwed-in crown and curved sapphire glass, the caseback is in sapphire glass fixed with 6 screws.

From this collection, the following versions are available:

- Case in stainless steel with crocodile leather-strap or with steel bracelet.
Water-resistant down to 5 atm.
- Case in 18 carat pink or white gold, with crocodile leather-strap and 18 carat gold buckle.
Water-resistant down to 3 atm.

READING THE DIAL

On the “Extra-fort Roue à Colonnes Grande Date” 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)**

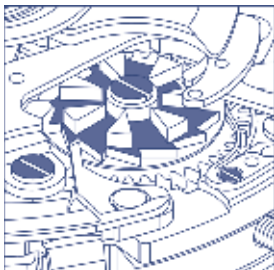
The chronograph seconds are given by the centre-hand **(G)**

The calendar is situated at 12.

DISTINCTIVE FEATURES OF THE MOVEMENT

Chronographic automatic movement, 28800 vibrations per hour

- Regulator for fine adjustment
- “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 rubies: 28
- 42-hours power-reserve (with non-inserted chrono)
- Bridge of the chrono and rotor “Côte de Genève”, other bridges and platinum circular-grained.
- Blue screws
- Rubies’ contour with gilt circular incision
- The steel components of the chrono and of 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 a great chronograph.

OPERATING THE CROWN



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



POS. B – WINDING OF THE WATCH - To unscrew the crown turn it counterclockwise. When it is unscrewed, turn it clockwise to transmit the manual charge to the movement. If your Extra-fort Roue à Colonnes Grande Date has not been worn for some time, the movement has to be wound manually, in order to obtain immediately a sufficient power-reserve and to ensure 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 - To set the time (hours and minutes), pull the crown to the second catch.

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)**, 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.

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.

DIRECTIONS FOR USE OF WATERTIGHT WATCHES

You may wear your “Extra-fort Roue à Colonnes Grande Date” when in the water or when taking a shower, but it is not fit for swimming, plunging or diving activities. Important: do not activate the push-buttons nor manipulate the crown as long as the watch is in the water or 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.

Founded well over a century ago in 1887, the Eberhard & Co. manufactory has since been concerned to abide by its own watchmaking philosophy. Your “Eberhard” was likewise manufactured by us in that tradition of commitment to superior workmanship and the choicest of materials for the best possible product, and this is now confirmed by the most up-to-date technical service backed by the extreme care with which our well-trained staff have made this watch of yours to the best of their faculties.

We hereby guarantee your watch to be free from any defects in the way of materials used or workmanship in manufacture, for a period of 24 months under the proviso that the watch is maintained and handled properly. This guarantee does not cover damages incurred by faulty handling or exposure to shock or other adverse impact. For technical revisions of the “Extra-fort Roue à Colonne Grande Date” model please contact only technical service facilities authorised by Eberhard & Co. The shipping and insurance charges are to be paid by the owner.

We recommend to have the movement checked every two years. For our part, we shall always endeavour to give full satisfaction.

May your Eberhard & Co. “Extra-fort Roue à Colonne Grande Date” see you through “good times at any time”.



www.eberhard-co-watches.ch