



BISSMARCK


R

Swedish Heart  Swiss Core[©]


BISSMARCK


Dear customer

Thank you for selecting the model "R" watch from Bissmarck. This watch will be produced in a series of no more than 1 000 pieces.

Your watch bares serial number  of 1 000.

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Like us, you likely share a passion for horology and the craftsmanship of mechanical watch making. The immaculate Swiss movement inside is a result of many years of development. Combined with the contemporary Bissmarck design and limited edition production, we trust and hope this watch will become a truly personal and treasured possession of yours. With care, this watch will remain a trusted companion for a long time.


Henrik Bissmarck, M.D.

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Handling instructions - IMPORTANT !

Read the entire instruction manual before handling the watch. If in doubt, contact Bissmarck before handling the watch. Failure to comply with instructions will render the warranty void.

- Mechanical watches are sensitive fine mechanical constructions that NEVER respond well to force or ignorance, if you lack knowledge and/or suspect your planned action may harm the watch, DO NOT do it.

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- Do NOT adjust day/date when the watch time is 8 PM (20:00) to 1 AM (01 :00) as this may damage the watch (see page 9 in this manual).

- The atmospheric pressure (ATM) the watch is designed to withstand is measured under ideal circumstances, i.e. solid pressure, evenly distributed over the entire watch. By e.g. hitting or moving the watch while under water, the resistance of the watch to pressure is significantly reduced.

- Regularly check for new and updated info online (www.bissmarck.com) as online info is considered part of the instruction manual for the watch.

Specifically consider the following issues. Failure to comply will render the warranty void (does not limit other user responsibilities).

- Never open, detach or play with any part of the watch, this should only be performed by professional watch makers.
- Never expose the watch to falls/hits or other G-force higher than the atmospheric pressure it was designed to withstand.
- Never position the watch under other objects or in a location where it may end up under other objects.
- Never leave the watch for exposure to sun, heat, cold, water or other potentially harmful elements or environments.
- Always store the watch in a safe and stable location when not in use.
- Always carefully close the crown after setting the time/day/date.
- Always ensure the crown is properly closed before subjecting it to any form of gas and/or liquid, e.g. before splashing/lowering it into water.
- Perform regular controls, ensuring the crown is closed tight (considered normal position), whether you have intentionally used it or not
- Perform regular external visual inspections of the watch. Should you suspect damage, store it safely and contact Bissmarck soonest for advice.
- If the seal around the watch is broken, the watch is considered used.

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Parts and names, front



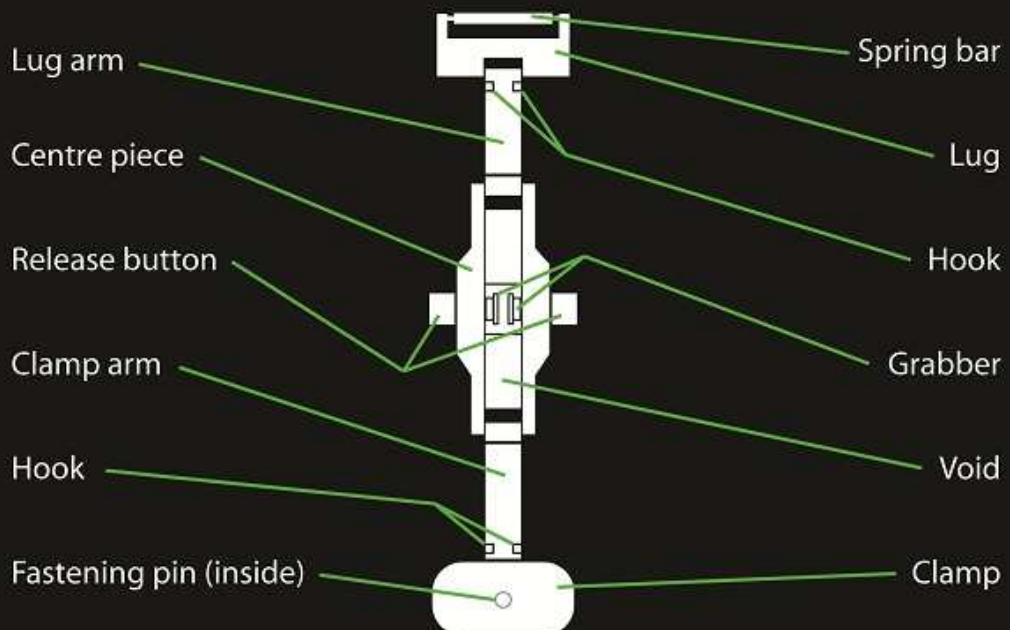
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Parts and names, back



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Parts and names, buckle

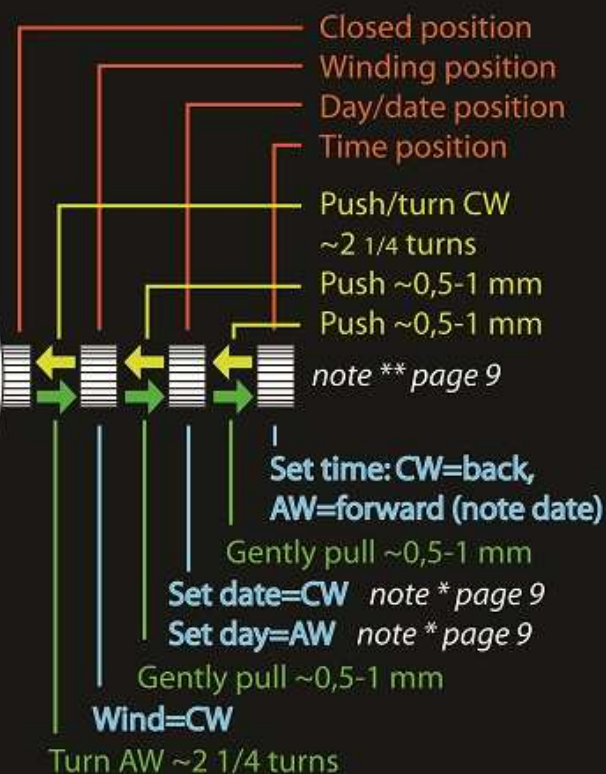


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The crown



CW=Clockwise
AW=Anti-clockwise



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IMPORTANT ! Not following instructions below may result in permanent and easily identifiable damages NOT covered by the warranty.

* NEVER set the day and/or date using the crown (quick-set) when the watch time is between 8 PM (20:00) and 1 AM (01:00) as this may cause damage to the day/date mechanism . Using the quick-set to move the day/date when the date dial gear teeth are in the path of the date change pawl has the potential of damaging the date dial gear or the pawl.

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Recommendation: When leaving a month with less than 31 days, make a habit of adjusting the day/date later in the morning of the 1:st of the month. If uncertain about the actual time of the watch: 1) Set the crown in "Time position" 2) Move the minute/hour hands forward until the day/date flips over and add an additional 2 to 3 hours (1 AM+) 3) Set the crown in the "Day/date position" 4) Set the correct day/date 5) Set the crown in the "Time position" 6) Move the minute/hour hands forward to the correct time.

** ALWAYS handle/operate the crown and watch gently to avoid damages. The illustration is not to scale and the various positions of the crown are greatly exaggerated for simplicity of visual understanding.

Winding the watch

This mechanical watch contains an automatic winding system and manual winding is normally not required. By normal movements of the arm, the rotor (visible through the rear sapphire crystal) winds the main spring up to ~40 h run time. Should the watch have been left lying still for a couple of days emptying the energy stored in the main spring, you may want to wind it manually to quickly restore energy in the main spring.

Referring to the image on page 8:

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1. From the closed position, turn the crown gently ~2 1/4 turns anti-clockwise to release the crown from the threads on the case. When released from the case, the crown is in the winding position.
2. Gently turn the crown clockwise 3-4 turns. This loads sufficient tension into the main spring to get the movement back into operation. Your normal arm movements will then be sufficient to fully wind the watch.
3. Gently push the crown inwards while turning it clockwise ~2 1/4 turns to fasten the crown back on the threads and into the closed position. Ensure the crown is set firmly against the case to ensure it remains waterproof but do not overtighten it to prevent damage to the seals.

Set day and date

IMPORTANT - carefully study page 9 in this manual before proceeding.

Referring to the image on page 8:

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1. From the closed position, turn the crown gently ~2 1/4 turns anti-clockwise to release the crown from the threads on the case. When released from the case, the crown is in the winding position.
2. Gently pull the crown ~0,5-1 mm one "click", the crown is then in the day/date position.
3. Gently turn the crown anti-clockwise to advance the day dial and/or turn the crown clockwise to advance the date dial.
4. Gently push the crown inwards ~0,5-1 mm one "click", the crown is then in the winding position.
5. Gently push the crown inwards while turning it clockwise ~2 1/4 turns to fasten the crown back on the threads and into the closed position. Ensure the crown is set firmly against the case to ensure it remains waterproof but do not overtighten it to prevent damage to the seals.

Set time

Referring to the image on page 8:

1. From the closed position, turn the crown gently $\sim 2 \frac{1}{4}$ turns anti-clockwise to release the crown from the threads on the case. When released from the case, the crown is in the winding position.
2. Gently pull the crown $\sim 0,5-1$ mm one "click"; the crown is then in the day/date position. Repeat this action to reach the time position.
3. The movement is now automatically stopped. Gently turn the crown anti-clockwise to advance time or turn the crown clockwise to back time.
4. Gently push the crown inwards $\sim 0,5-1$ mm one "click"; the crown is then in the day/date position. Repeat this action to reach the winding position.
5. Gently push the crown inwards while turning it clockwise $\sim 2 \frac{1}{4}$ turns to fasten the crown back on the threads and into the closed position. Ensure the crown is set firmly against the case to ensure it remains waterproof but do not overtighten it to prevent damage to the seals.

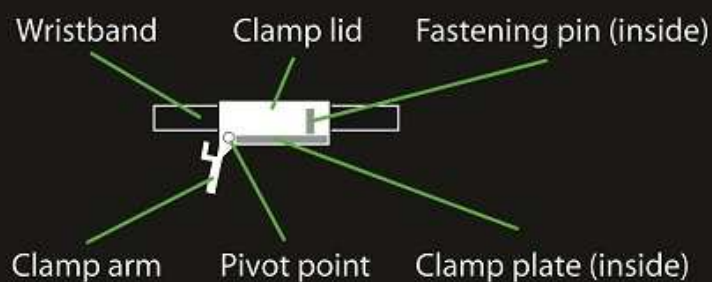
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Note 1: Always wind time forward across a day/date shift.

Note 2: Factory precision setting is ± 1 second/day but time keeping may vary depending on the movement pattern of the user (ref. page 19).

Adjust wristband length

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1. Release clamp plate

2. Move wristband

3. Lock clamp plate



Adjust wristband

Referring to the images on page 13:

1. Please notice that the clamp lid and clamp plate are attached at the pivot point. You shall open the clamp at the opposite side of the pivot point. (the right side of the clamp in the image).
2. Grip the wristband on the side closest to the fastening pin (the right side of the clamp in the image).
3. Using your other hand, grip the clamp plate on the side closest to the fastening pin (the right side of the clamp in the image) using a strong fingernail, preferably your thumbnail.
4. Gently pull the clamp plate downward until it "clicks" free of the clamp lid and wristband. The clamp lid and clamp plate will remain freely attached at the pivot point.
5. Ensure the wristband is released from the fastening pin and adjust the wristband to required length.
6. Push the clamp plate and fastening pin up into a suitable hole in the wristband. The wristband is securely fastened in the butterfly buckle once the clamp plate "clicks" into place inside the clamp lid.

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Maintenance and cleaning

Maintenance

- Regularly inspect the entire watch thoroughly visually, ensuring it appears in good condition, if not, hand it to a professional watchmaker or Bissmarck for advice/action. During warranty, Bissmarck must always be contacted for action/advice first or the warranty is void.
- Every 2 years or 100 operations of the crown (whichever occurs first), hand the watch in to a professional watchmaker or Bissmarck to test the waterproof capacity.
- Every 5-8 years, or if the watch often loses time/day/date despite being wound (whichever occurs first), hand the watch in to a professional watchmaker or Bissmarck for service.

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Cleaning

- Clean the entire watch using a cotton cloth damp with water. Finalise cleaning by polishing metal and sapphire glass parts using a dry cotton cloth or dedicated and suitable polishing cloth.
- Never use detergents to clean the watch or wristband as this may discolour them and/or possibly have any abrasive effect on the watch.

Warranty (see online at www.bissmarck.com for full details)

Bissmarck offers all customers the rights of Swedish consumer laws, offering among the strongest consumer protections in the world, e.g. a non-negotiable limited warranty on all purchases.

All claims under warranty MUST first be reported to Bissmarck for advice/action, before action is initiated by third party, or the warranty is void.

In case of disputes, Bissmarck will always seek the advice of the Swedish Consumer Board.

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The warranty is only applicable for imperfections present at delivery. The warranty does not apply to imperfections caused by normal wear or damages resulting from e.g. hits, water damages or other faulty exposure or handling, whether deliberate or the result of accidents/carelessness.

In case of failure of one of our products, Bissmarck will only be responsible for effects related directly to the product itself and will not be held responsible for any direct or indirect effects related to anything else.

Specifications

Movement:	Swiss made ETA 2836-2 caliber, automatic self winding, 11,5 ligne, 25 jewels (rubies), Incabloc Novodiac shock protection, ETACHRON regulator and sweep second
Function:	Hour, minute, second (sweep), day and date
Material:	Polished stainless steel 316L case, screw down case back, fixed bezel, crown and butterfly buckle Sapphire crystal front and back Calf leather wristband Superluminova C1 luminous on hands and dial
Dimension:	Case diameter 42 mm, thickness 12,5 mm Lug diameter 50 mm straight, 55 mm diagonally Lug width 22 mm Buckle width 20 mm Crown diameter 6,5 mm
Water resistance:	10 ATM
Weight:	~105 g
Power reserve:	~40 h

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Test protocol

Caliber:	ETA 2836-2, watch serial number	<input type="text"/>	<input type="text"/>	<input type="text"/>
Frequency:	<input type="text"/>			
Beat error:	<input type="text"/>			
Amplitude:	<input type="text"/>			
Beat graph:	<input type="text"/>			
Rate :	<input type="text"/>			
Waterproof:	Dry/vacuum test	<input type="text"/>		
	Wet/water test	<input type="text"/>		
Test info:	Sign./date	<input type="text"/>	<input type="text"/>	

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Timing protocol

Each watch delivered by Bissmarck is calibrated to a precision of 0 +/- 1 second/day (24 hours). Time keeping of all mechanical watches is affected by movement and because the movement pattern varies between people, time keeping will vary slightly when worn by different people.

By setting the time of the watch against a reliable time reference, e.g. an atomic clock, and making a comparison against the same time reference a few days later, it is simple to determine the daily variance for a particular user. The watch may then be handed in to Bissmarck (fee will be charged) or a professional watch maker for adjustment.

Bissmarck recommends a testing period of 1 full week and use of a reliable time reference, e.g. <http://wwp.greenwichmeantime.com>

Example	"+"=your watch is too fast		"- "=your watch is too slow	
Start date	Start time	End date	End time (watch)	Daily rate
20 May	12:00:00	27 May	12:00:14	+2 seconds

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Service protocol

Ensure the service record for the watch is documented below to perform timely service and secure continued functionality and value.

Date

Action

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www.bissmarck.com

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