



105 St Sa UTC/105 St Sa UTC W

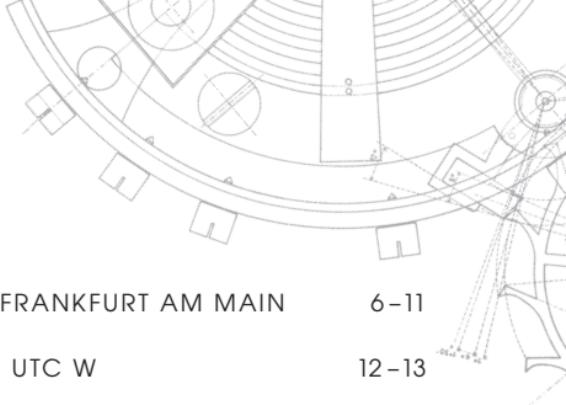
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Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN

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DEAR CUSTOMER,

We know from numerous conversations that the people who buy our watches do so out of conviction. This includes people with a pronounced affinity to technology who are fascinated, for example, by the solutions we have devised for protection from magnetic fields and scratch resistance. Some of our customers, such as divers, pilots and the German GSG 9 special police unit, rely on their watches in their respective careers because their lives depend on it.

They all swear by the performance, resilience and durability, as well as the quality and precision of our watches. That is why the world's largest classification society DNV GL (formerly Germanischer Lloyd, Hamburg) regularly tests and certifies the water and pressure resistance of our diving watches.

Selected pilot watches are tested and certified by independent institutions according to the DIN 8330 Horology – Aviator watches in an extensive and complex type and unit verification process. This ensures that a DIN 8330-compliant pilot watch is a suitable all-round replacement for the on-board timekeeping instruments available to pilots. Functionality is our top priority and ultimately determines the design. Only the technical features that are really needed can be found on our watches. Because we believe that products have to speak for themselves.

The basic question that we ask ourselves is: which innovative technologies and materials can be employed for our craft and provide solutions for rendering our watches even more practical for everyday use? It is often worth indulging in a little lateral thinking to see what is going on in other industrial sectors or fields of science. We repeatedly go to the limits of physical resources to upgrade our watches – with the aim of making what's good even better. Most of our best developments are yet to come!

I am delighted that you have decided to buy a SINN timepiece and hope that it will continue to give you pleasure for many years to come.

Yours sincerely,

A handwritten signature in black ink, appearing to read "L. Schmidt".

Lothar Schmidt

Sinn

INNOVATION IN FINE WATCHMAKING

Sinn

INNOVATION IN FINE WATCHMAKING

SINN SPEZIALUHREN ZU FRANKFURT AM MAIN

It was back in 1961 that pilot and blind-flying instructor Helmut Sinn founded the company. Since then, we have been committed to producing high-specification mechanical watches. In 1994, the graduate engineer Lothar Schmidt took over the company. This marked the beginning of a new era for the SINN brand, because the new owner took a decisive step towards more innovation. Under his leadership, new technologies and materials were introduced, thus providing the crucial incentives for our company's evolution and gradual emergence as an insider's tip for lovers of fine watches. Today, our name stands for technical innovations – much to the delight of both the trade and our customers alike.

Technical innovations

Take, for example, the absolutely condensation-free, anti-reflective, German Submarine Steel diving watch – made possible by HYDRO Technology. Other examples include a chronometer chronograph fashioned from a 22-carat gold alloy that is as hard as stainless steel and a chronometer with a magnetic resistance of up to 80,000 A/m. There are also watches with a clockwork mechanism optimally protected from aging by an inert gas and integrated dehumidifying capsule. The list would not be complete without mentioning the development of mission timers (Einsatzzeitmesser or EZM in German) for firefighters, for special police units and border patrol guards. DIAPAL is one of our most important technological developments, with oiling no longer needed for the most important functions in the watch thanks to the materials we select. This technology was first used in 2001. With the aid of TEGIMENT Technology, we achieve greatly increased scratch resistance through surface hardening.

Ongoing advancement in technology and quality

Our top priority has always been to develop watches that offer superior performance – both in daily and in professional use. Which is why our engineers are working continually to identify which innovative methods, materials and technologies are best suited for optimising our watches. Each new development has to first undergo rigorous practical tests before being incorporated. And no watch leaves our workshops before it has been subjected to thorough checking and fine adjustment by our master watchmakers.

Innovations in endurance testing

The world's largest classification society for maritime safety DNV GL (formerly Germanischer Lloyd, Hamburg), has been testing our diving watches for pressure and water resistance since 2005. As part of DNV GL's official certification process, our diving watches have been treated as part of diving equipment since 2006 and tested and certified in accordance with European diving equipment standards. This is unparalleled in the watch industry. Selected pilot watches are tested and certified by independent institutions according to the DIN 8330 Horology – Aviator watches in an extensive and



complex type and unit verification process. This ensures that a DIN 8330-compliant pilot watch is not only a suitable all-round replacement for the on-board timekeeping instruments available to pilots, but is also capable of remaining unaffected by the physical stresses of flight, posing no risk potential for the crew or aircraft, and demonstrating compatibility with other on-board instruments.

The Temperature Resistance Technology keeps mechanical watches performing at temperatures ranging from -45 °C to +80 °C. This technology has proven its worth in the EZM 10 TESTAF, for example, used as part of the official approvals procedure for Airbus Helicopters (formerly Eurocopter) EC 145 T2 high-performance helicopter. The 303 KRISTALL is impressive proof of the functional reliability of our watches under the toughest climatic conditions. Equipped with Temperature Resistance Technology, the chronograph passed the acid test at the Yukon Quest, the world's most demanding dogsled race. The 203 ARKTIS passed its Arctic endurance test on the wrist of extreme diver Mario M. Weidner, withstanding all dives in the freezing cold waters of the Arctic Ocean above 81 degrees latitude. Both watches were worn on top of protective clothing. The real test was in the extreme temperature fluctuations between water and land – a test that the 303 KRISTALL and the 203 ARKTIS passed with flying colours.

Image: All of the technical details of our watches are documented by tests. This system of assessment has been specially designed for certification of the pressure resistance of our diving watches by DNV GL (formerly Germanischer Lloyd, Hamburg), the world's largest classification society for maritime safety.

Workshop modifications

From the robust case and the polished crystal to the exquisitely decorated movement, we make sure that each and every detail in our watches is fit for purpose. In addition to our technology, the heart of any SINN watch is the fascinating mechanical movement. That is why we rely only on selected renowned manufacturers.

"SZ movements" is the name given to our movement modifications. The results are high-quality calibres characterised by impressive features. An example of this is the SZ04 with regulateur for the 6100 REGULATEUR series.

The model series 140 and EZM 10 uses our proprietary chronograph development, the SZ01. It was modelled on the Lemania 5100 calibre used in the EZM 1. One of the biggest differences between the SZ01 and the Lemania 5100 is the former's stopwatch minute display. This feature now makes it even easier and quicker to record stop times more accurately. This development is based on the Valjoux 7750 calibre. The aim of this modification was to significantly improve the readability of the chronograph function.

The SZ calibres 02, 03, 05 and 06 are a modification of the SZ01 movement, characterized by an off-center 60-minute counter. The 60-minute scale of the stopwatch minute counter is much simpler and more intuitive to read than the 30-minute scale commonly found in other watches.





105 St Sa UTC / 105 St Sa UTC W

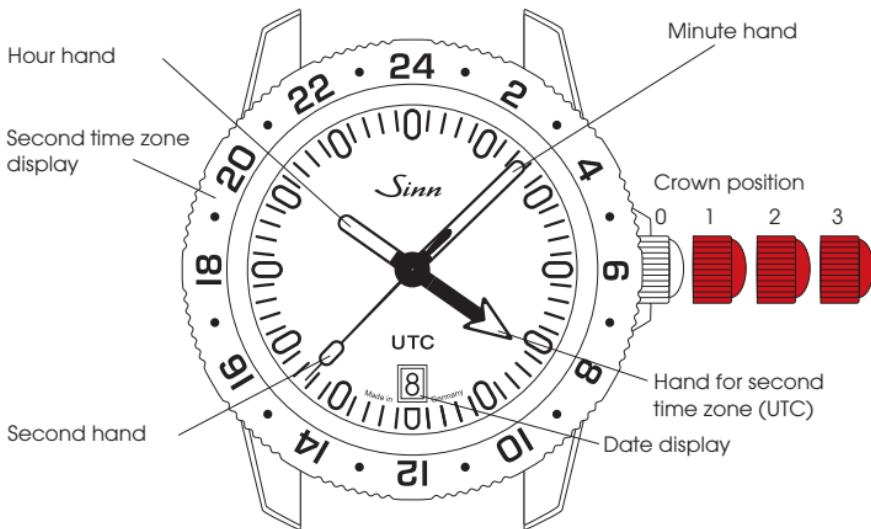
A technical, sporty look complemented by a diverse range of functions: with these watches, we've managed to combine uncompromising function and high-quality design in a whole new way. It's not only the reduced, contemporary form that wins over watch experts, but also the fact that the timepiece can be used as a versatile instrument.

Using the bidirectional rotating bezel with 24-hour ratcheting, you can set up a second time zone. As a result, adjusting the local time only takes a few seconds, without you having to adjust the orange UTC hand using the crown. Of course, you can also set the UTC hand in the conventional way using the crown and leave the rotating bezel in its initial position. The arrow-shaped UTC hand can also be used to roughly determine cardinal points, when the current position of the sun is visible. If you're located in the northern hemisphere, position the dial horizontally and turn the watch so that the 12-hour hand (ignoring daylight savings time) points to the sun. The 24-hour hand then points to the north.

The rotating bezel itself has a captive connection to the bead-blasted case. Its Black Hard Coating on a TEGIMENT Technology basis lends the watches a professional overall look.

You can choose between a matt black and a matt white dial with accents in orange. And take the time to have a closer look at all the details of the mechanical movement through the anti-reflective transparent case back made from sapphire crystal.

INSTRUCTIONS FOR USE



Winding the watch (crown position 1)

The crown is screwable (crown position 0). To loosen the crown, turn it counter-clockwise (crown position 1). The movement is wound by turning the crown clockwise. About 40 winds of the crown are generally enough to ensure reliable functionality. Under normal circumstances, simply wearing the watch every day should suffice to keep the self-winding mechanism wound. The power reserve allows you to take off your watch overnight without having to re-wind it.

Time adjustment (crown position 3)

In crown position 3, the motion is paused. This helps you to set the watch precisely. Please make sure the date changes at midnight and not at midday. Just move the hands forward until the date changes. Afterwards you attempt to set the time. We recommend moving the hands past the desired minute marker and then adjusting it backwards. The movement restarts as soon as the crown is no longer in position 3.

Quickset date adjustment (crown position 2)

Set the crown in position 2 and turn it counter-clockwise until the correct date appears in the date display window.

Setting the second time zone (crown position 2)

The crown is screwable (crown position 0). To loosen the crown, turn it counter-clockwise. You can use the second time zone (UTC) display to show the time in a second location, such as New York (six hours behind Central European Time), or as an additional display the time of day. To do this, turn the crown in position 2 clockwise until you reach the correct time. The 24-hour arrow hand moves on the hour.

Please take care to fasten the crown after making adjustments.

THE TIME ZONES

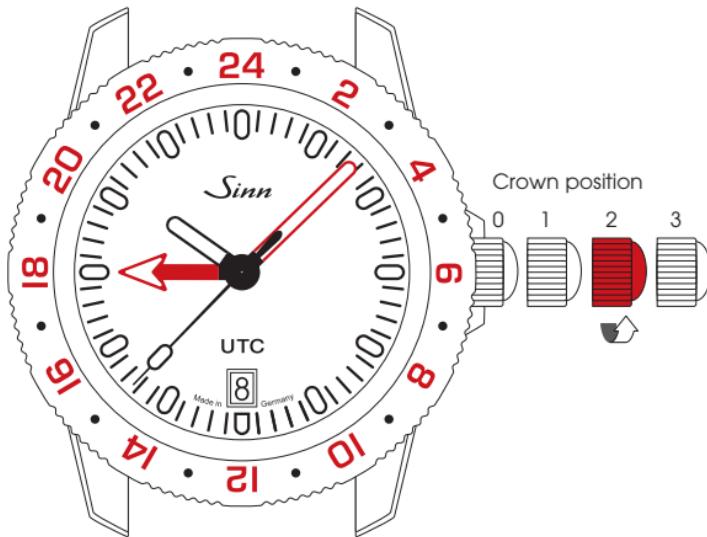
The first time zone

Local time is displayed by the hour and minute hands. In our example it is 10.08 a.m.



The second time zone

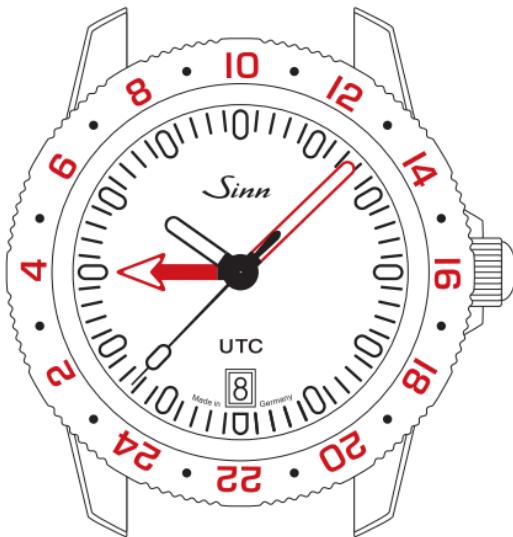
To set the second time zone, use the crown in position 2. Using the crown set the arrow-shaped hand. It engages a one-hourly intervals on a 24-hour basis. In the example, the time zone for Tokyo is displayed. The time difference to Central European Time amounts to plus eight hours. The arrow-shaped hand is thus moved forward by eight hours and aligned with the 24-hour scale on the rotating bezel. You can read the time in Tokyo by using the arrow-shaped hand and the minute hand. In our example it is 6.08 p.m.



Correction of the second time zone when traveling through several time zones

Using the bidirectional rotating bezel, you can set up a second time zone.

As a result, adjusting the local time only takes a few seconds, without you having to adjust the orange UTC hand using the crown. The rotating bezel has a 24-hour ratcheting. To obtain the time for a trip from Tokyo to New York, for instance, with a time lag of 14 hours behind, set the rotating bezel back 14 hours from the time indicated on the dial. You can now read off the time in New York using the arrow-shaped hand and the scale on the rotating bezel. In our example it is 4.08 am.



ORIENTATION BY CARDINAL POINT

The principle for determining the cardinal point is based on the arrow hand (the 2nd time-zone hand) being used as a 24-hour hand. First, set the second time zone (arrow pointer) to local time on 24-hour basis. If the watch is subsequently rotated horizontally so that the hour hand is pointing towards the sun, the arrow hand will point toward the north.

This principle works on the premise that you are in the northern hemisphere. If the same method is applied in the southern hemisphere, the arrow hand will point toward the south. It should also be noted that this principle is based on local time. When applying standard time (zone time), the difference between this and local time should be taken into account. During daylight saving time, the arrow hand should be adjusted forward by one hour.



ADJUSTING THE LENGTH OF THE WATCH STRAPS

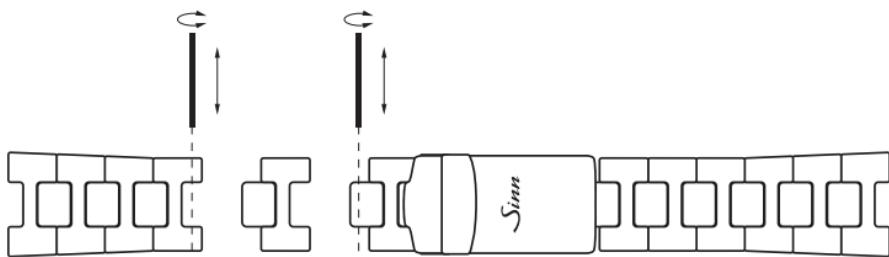
If you don't know how to shorten or lengthen the solid bracelet, please contact your SINN dealer or the watchmakers in our customer service department in Frankfurt am Main. Our customer service employees are also happy to help you over the telephone.

Adjusting the length of the solid bracelet

Determine the relative lengths of the two sides before adjusting the length of the bracelet. To ensure maximum comfort, both sides of the bracelet should contain the same number of links. If this is not possible, the top bracelet strap (above the 12 on the clock) should be longer.

It is not necessary to detach the solid bracelet from the watch or the clasp.

1. Loosen the screws on the side of the bracelet link which is to be removed or added.
2. Remove the superfluous bracelet link or insert a new one.
3. Before screwing tight, add a small drop (no more!) of thread-locker (AN 302-42 medium-tight) to the thread of the bracelet screw.





Luminous design

TECHNICAL DETAILS

Mechanical Movement

- Self-winding mechanism
- 28,800 semi-oscillations per hour
- Seconds stop function
- Anti-magnetic as per DIN 8309

Case

- Case made of stainless steel, bead-blasted
- Sapphire crystal glass in front
- Transparent case back made of sapphire crystal glass
- Meet the technical requirements for waterproofness, as set out in standard DIN 8310
- Pressure-resistant up to 20 bar
- Low pressure resistant
- Crown screwable
- Case back screw-fastened
- Band lug width 20 mm
- Case diameter 41 mm

Functions

- Hours, minutes, seconds
- Date display
- Rotating bezel with 24-hour ratcheting
- Second time zone on a 24-hour basis

Sinn Technologies

- Bezel with Black Hard Coating on a TEGIMENT Technology basis
- Captive bezel



ADVICE

Water resistance

In its original condition, your watch fulfils the technical requirements of water resistance according to DIN 8310. The static compressive stress of your watch is given in bar. Each and every one of our watches is tested for water resistance. However, in everyday use it is important to note that seals can suffer from wear and ageing over time due to a wide range of factors which arise when wearing a wristwatch. We therefore recommend having the water resistance checked at least once a year. To ensure your watch retains its water resistance for as long as possible, rinse it with tap water if it comes into contact with seawater, chemicals or the like. Continual mechanical stress in the form of shocks and vibrations can also not only reduce water resistance, but also increase wear and tear of the movement. Care should therefore be taken to protect your watch from unnecessary impacts.

Accuracy

The measured results of the watch's rate are always "snapshots" taken under laboratory conditions. For this reason, we also take each owner's individual movements into account when making a specific regulator correction. It is therefore only possible to judge the accuracy of your watch after it has been in operation for approximately eight weeks. In the event of a deviation, please keep a daily record of its timekeeping over an extended period, for example one week.

Do you have any questions? Our employees will be pleased to advise you.

Telephone: + 49 (0)69 / 97 84 14-400

Telefax: + 49 (0)69 / 97 84 14-401

E-mail: service@sinn.de



SERVICE

Does your SINN watch need an inspection, repair, retrofitting or reconditioning?

If possible, please use our service order form. For information about our service order form, please refer to the section entitled "Customer Service" on our website www.sinn.de/en and to the section entitled "Servicing and repairs" in our general terms and conditions at www.sinn.de/en. We would be happy to send you a copy of the general terms and conditions.

Our international partners generally offer on-site service. However, should they be unable to provide a certain service, they will organise the safe dispatch and return of the SINN watch to our manufactory in Germany. Please be aware that our partners will wait until they have a sufficient number of SINN watches before they post a shipment, in order to keep transport costs and customs duties to a minimum. This will increase the processing time.

Alternatively, you can send your SINN watch to us directly. You will be required to cover the postage costs for the delivery and return shipment, which vary depending on the country. For insurance reasons, we strongly recommend sending us any return goods by registered parcel post. We regret that we are unable to accept deliveries with unpaid postage!

In case you have a chance to drop off your watch directly at our office in Frankfurt am Main we look forward to your visit. Please make a note of our opening times.

For information about our service, please refer to the section entitled "Customer Service" on our website www.sinn.de/en or +49 (0)69 / 97 84 14-400.

Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN



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Technische Änderungen vorbehalten.

Technical specifications are subject to changes.

