



U1W



Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN

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1st Edition / June 2009

Subject to changes technical specifications. Errors excepted.

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DEAR CUSTOMER,

Since the company was founded in 1961, we have focused on the creation of high-quality mechanical watches. Nowadays, watch lovers associate innovation and patents with the name of SINN. And it's not just our dive watches that stand for their high performance, robustness and durability, quality and precision.

These watches do, however, constitute an outstanding example of how we repeatedly push the limits of what can be achieved physically in development.

That's because we ask ourselves the question: what new technologies and materials can be used to make dive watches even more practical and safer? It's often worth thinking outside the box to look at what is happening in other industries — for example, in submarine construction. It's not by chance, therefore, that the U1, U2, UX and U1000 model series should be made from a special steel — developed by ThyssenKrupp for the outer hulls of the Class 212, the most modern, non-nuclear submarine in the world. The outstanding features of this quality German steel are ideally suited for use in our dive watches, offering among other things the highest anti-magnetic qualities and unique resistance to seawater.

Only right, then, that we should work closely together with an independent company from the world of technical maritime safety. Germanischer Lloyd from Hamburg tests and certifies the features of our dive watches — including to European diving apparatus standard, something unique for this kind of watch.

I am delighted that you should have chosen to buy a SINN dive watch and hope that it will continue to give you pleasure for many years to come.

Very best wishes from Lothar Schmidt



SINN SPEZIALUHREN IN FRANKFURT AM MAIN

It was back in 1961 that the pilot and blind-flying instructor Helmut Sinn founded the company. Ever since then, we have been committed to producing high-specification mechanical watches. In 1994, the graduate engineer Lothar Schmidt took control. 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 insiders' 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.



Inventive talent and patents

Take, for instance, the absolutely condensation-free and anti-reflective diver's watch made of stainless steel — designed with HYDRO® technology. Other examples include a chronometer chronograph fashioned from a 22-carat gold alloy, which is as hard as stainless steel, and a chronometer whose resistance to magnetic interference is 20 times greater than normal. Or those models filled with inert gases and featuring an integrated dehumidifying capsule to counteract moisture infiltration and the ageing of the watch movement. This list would not be complete without mentioning the development of so-called Einsatzzeitmesser (EZM®) watches for special police units and border guards, and the lubrication and tolerance technology that allows mechanical watches to perform at temperatures ranging from -45 °C to +80 °C. Model 303 KRISTALL® passed the fire and ice test during the 1998 Yukon Quest sledgedog race that crosses the icy wilderness of Canada and Alaska, where temperatures are known to plunge to -40 °C. The watch was strapped to the arm of some of the participants on top of their protective clothing. This was followed in 1999 by the ARKTIS® model 203. This diver's chronograph passed its field test in the North Polar Sea with flying colours.

Innovations and authentications

One of our most important inventions is the oil-free DIAPAL® technology, based on low-friction materials for the key functional parts of the watch, enabling them to run without lubrication. This technology was first employed in our jubilee model, the palladium alloy/white gold Frankfurt Finance watch. Tegiment® technology, with which SINN achieves a virtually scratch-proof surface hardness of up to 1500 HV (Vickers hardness) for its stainless steel watches, represents another milestone. Other innovations include diving watches made from original submarine steel, as used in the construction of the outer shell of German class 212 submarines. Germanischer Lloyd, the world's biggest classification society providing marine safety services, has been testing the aspects of water and pressure-resistance since 2005. Moreover, an official authentication process conducted by Germanischer Lloyd in 2006, SINN diver's watches as diving gear for the very first time in the watchmaking sector and tested them in keeping with European diving equipment standards. The result: these timepieces passed the temperature resistance and functionality tests with a sensational success. All test results are authenticated with signature and seal.

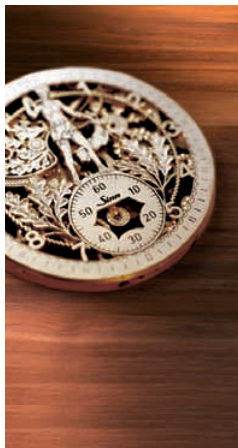


Ongoing advancement in technology and quality

Every one of our watches is an impressive testimony to the fulfilment of self-imposed ambitions, as well as to the continuous technical advancement and physical evolution in watchmaking. We strongly believe in the manufacturing location in Germany, this being the only reliable guarantee for maintaining our declared standards of excellence. Before the watches are shipped abroad or displayed at our showroom in Frankfurt, or any of the numerous sales outlets across Germany, they are subjected to meticulous quality checks and fine-tuning, and the results recorded.

Production workshop and factory modifications

In our production workshop, skilled engravers and watchmakers meticulously craft valuable individual timepieces by hand. We also invest a great deal of skill and passion in our factory modifications, such as the caliber SZ 04, which is used in the 6100 REGULATEUR model series. Developed and produced by us, this conversion — in a movement with a regulator display with three, separately positioned hands for the hours, minutes and seconds — shapes the entire 6100 REGULATEUR model series from a technical point of view. The caliber SZ 02 provides a further example of the modifications we make. The watch incorporates a chronograph display with 60 minute counter at the stop minute at 12 o'clock, which forms the heart of the diver's watches in the U1000 model series.



GERMANISCHER LLOYD CERTIFIES SINN DIVER'S WATCHES

What does Germanischer Lloyd have to do with a watch manufacturer from Frankfurt am Main? The reputable institute examines and certifies our diver's watches — according to various criteria. One testing process focuses on water and pressure resistance while a second centers on something that has not yet been seen in the watch industry: certification according to the European diving equipment norm!

Water and Pressure Resistance Testing

The background: the factor of time plays an important role in survival on every dive. For this reason, diver's watches must be water-resistant, reliable, robust, and guarantee perfect legibility under all light and water conditions. Additionally: for us, this certification is a natural extension of keeping our quality promise. What we tell customers about our watches is not just lip service, we prove it by putting it into action. Germanischer Lloyd has been testing our diver's watches for water and pressure resistance already since 2005. According to these certification norms, Model U1000 and U1 are pressure-proof to 100 bar, Model U2 to 200 bar, and Model UX is even pressure-resistant to any reachable diving depth. Germanischer Lloyd confirms the pressure security of this model to 12,000 meters and the movement to 5,000 meters of diving depth. The test is repeated in regular intervals on all of these model series in order to continue documenting their consistent quality.

Premiere: Certification According to European Diving Equipment Norms

Can you demand the same of a diver's watch as of breathing equipment during testing procedures? In order to answer this question, we contracted Germanischer Lloyd to officially certify the diver's watches U1000, U1, U2, UX and EZM 3 as diving equipment and test them according to the European diving equipment norm in 2006. The testing according to the European norms EN250 and EN14143 was absolutely new territory for both sides. These norms were created with regard to diving equipment and therefore cannot be conveyed one-to-one to watches. The experts at Germanischer Lloyd have therefore adapted them, defining two sets of testing. During the first test, they stored the timepieces for three hours at $-20\text{ }^{\circ}\text{C}$, then another three hours at $+50\text{ }^{\circ}\text{C}$. After each step, the watches were examined at both temperatures for rate precision and functional security. In a second test, the watches had to spend three hours at $-30\text{ }^{\circ}\text{C}$ and three hours at $+70\text{ }^{\circ}\text{C}$ with 95% humidity. The result: temperature stability and perfect functioning were determined for the watches of the model lines U1000, U1, U2, UX and EZM 3 after both tests, and certification was awarded. Because of their batteries and oil-filled cases, the watches of the model family UX underwent an adaptation of the test at $-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$.



Germanischer Lloyd

Certificate
No. 39082-06 HH

This is to certify that at request of Messrs. Sinn Spezialuhren zu Frankfurt am Main, im Fildchen 5-7, 60489 Frankfurt.

a hydraulic pressure test on

2 diving watches
of type Sinn U1

representing serial number lot


1010.2001-1010.3500

has been performed at November 8th, 2006 with a nominal pressure of 100 bar, corresponding to a diving depth of 1000 m for a testing time of one hour. Additionally, a testing with a test pressure of 125 bar and a testing time of 15 minutes has taken place. The tests have been performed under survey of Germanischer Lloyd.

There were no housing deformations noticed. The proper function of the watches has been determined and a subsequent examination has proved the leak tightness of the tested specimen.

Hamburg, 2006-11-10




Dr. Robert Suma

Germanischer Lloyd confirms and certifies the pressure resistance of our model series U1.



Germanischer Lloyd

Certificate
Nr. 39076-06 HH

This is to certify that at request of Messrs. Sinn Spezialuhren zu Frankfurt am Main, Im Fildchen 5-7, 60489 Frankfurt,

temperature and functional tests on

Type	Serial numbers
U1	1010.1794 and 1010.1667

diving watches have been performed on October 31st and November 2nd 2006. The examinations are based on the requirements of European Standards EN250:2000 and EN14143:2003 for type examination of diving equipment at Zentrum für Sicherheitstechnik of BG Bau in Haan and surveyed by Germanischer Lloyd.

The proper function of the watches has been determined directly after 3 hours conditioning at -20°C and +50°C as well as after storage at -30°C and +70°C with 95% relative humidity and subsequent approximation to laboratory environmental conditions.

Hamburg, 2006-11-06




Dr. Robert Suma

Germanischer Lloyd has confirmed and certified the type-based test of temperature resistance and functionality in accordance with the European diving device standards EN 250:2000 and EN 14143:2003.



PERFECT DIVING WATCHES

Our watches are famous for their outstanding functionality. We consistently implement this principle in our accurate timepieces for pilots as well as in our diving watches. The technical development of such perfect time-keeping instruments is one of the greatest challenges for our engineers and watchmakers. During a dive, absolute water resistance, perfect readability in all lighting and water conditions and extreme durability are of life-saving importance.

The diving watches of the U1, U2, UX and U1000 series meet these high standards down to the most minute detail. This is due to the fact that we develop these watches exclusively for their intended purpose— with the consequence that the form follows the primary function. Thus we achieve an extremely high standard of reliability, safety and practicality in everyday use.



U1W—FASCINATION IN WHITE

Clean, distinctive, highly functional. These are the characteristics of the U1W diver's watch. Its most outstanding characteristic: the white dial with luminous, glossy black indices and hands. White silicone strap with a black folding clasp. With the technical accoutrements you've come to expect. Such as a non-detachable diver's bezel, a case made of German submarine steel with TEGIMENT® technology for optimal resistance to seawater and with a black hard coating. A sure thing, under any conditions. This watch has been tested based on the European standards for diving equipment and is pressure-resistant to a depth of 1000 meters. All this has been certified by Germanischer Lloyd, Hamburg

The captive diver's bezel

To protect against unintended maladjustment, the diver's bezel can be rotated counter-clockwise only on one side, and can be easily operated with diving gloves. Because the bezel plays a vital role in time measurement, it is an extremely delicate safety issue. That's why we have protected our bezel against loss with a special design. Our secure attachment differs significantly from the conventional snap-in mechanism: loss due to unfortunate impacts is practically impossible, because the captive bezel is securely fastened to the center section of the case.



The steel used in the non-nuclear submarines of the German Navy is completely resistant to seawater, which is why the case of the UTW diver's watch is made of this material.

German submarine steel guarantees seawater resistance

First-class material makes this diver's watch completely resistant to external influences. Thus the original German submarine steel guarantees seawater resistance. This is precisely the steel used by Howaldtswerke-Deutsche Werft GmbH and Nordseewerke GmbH for the external hulls of the U31 and U32 of the German Navy, which are currently the most advanced non-nuclear submarines in the world. In addition to seawater resistance, the steel is of the highest anti-magnetic quality and is extremely resistant to cracking.

TEGIMENT® technology and the black hard coating

Because the captive diver's bezel is subjected to extremely tough conditions, we have additionally tempered the German submarine steel using TEGIMENT® technology. In our diving watches with the black hard coating, this tempering with the TEGIMENT® technology forms the basis for the application of a PVD coating. We use the black hard coating only in conjunction with the TEGIMENT® technology. This means that the 2,000 HV (Vickers hardness) coating is applied to the tempered steel (1,500 HV) to prevent cracking (the "eggshell effect").

INSTRUCTIONS FOR USE

To wind the watch (crown position 1)

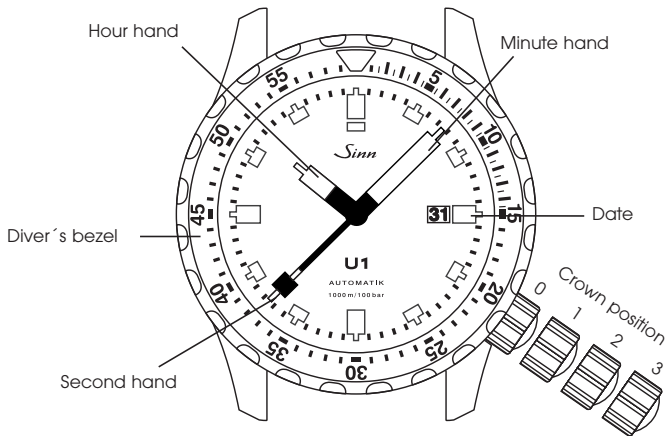
The crown is screw-fastened (crown position 0). To loosen the crown, turn it counter-clockwise. The winding mechanism is protected against overwinding by a safety clutch. About 30 winds of the crown are generally enough to ensure its reliable functioning. Under normal circumstances, simply wearing the 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 rewind it.

Time adjustment (crown position 3)

In crown position 3, the motion is paused. This second stop function helps you to set the watch precisely. For an accurate time setting, we recommend moving the hand past the desired minute marker and then adjusting it in a counterclockwise direction. Please make sure that the date changes at midnight and not at midday when adjusting the time. Move the hand forwards until the date changes before you attempt to set the time. The movement restarts as soon as you leave crown position 3.

Quickset date adjustment (crown position 2)

Crown position 2 serves to adjust the date quickly. Turn the crown in a clockwise direction until the correct date appears in the date display window. To ensure that the watch remains waterproof and shockproof, please screw the crown carefully back on after you have completed the adjustments.

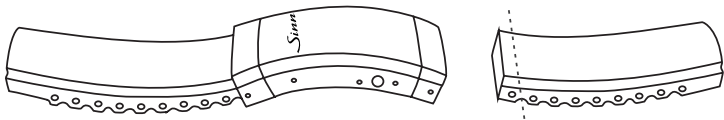


Shortening watch bands

If you are not familiar with the procedure for shortening watch bands, please contact your specialist dealer or our watchmaker directly in the customer service department in Frankfurt am Main. All of the tools you need to shorten the watch bands are in the accompanying case. For silicone straps, there is a strap changing tool with a „screwdriver side“ and a „pin side“. For solid link bracelets there are two Allen keys and the screw retainer (adhesive).

To shorten the silicone strap, proceed as follows:

1. Measure the circumference of your arm or wrist at the site where you wear your watch.
2. Disconnect the silicone strap from the clasp. To do so, push the spring bar out of the hole in the clasp using the „pin side“ of the watch band changing tool. The other side of the spring bar can be removed without pressing it down, so that you can disconnect the strap from the clasp.
3. Try on the strap to ensure that it fits before you cut it off. Cut the disconnected silicone strap using a knife or scissors at the measured length, in the center between the two metal pins (see figure). Caution: We recommend that you cut carefully little by little until you reach the desired length, so that you do not cut the silicone strap too short.
4. Remove the first metal pin and replace it with the spring bar. Then reattach the strap to the clasp.



How to shorten your steel strap

Our steel straps leave the factory with the same number of links on the 12 o'clock side as on the 6 o'clock side. When shortening or lengthening your strap yourself, please pay attention to the following: to increase wearing comfort, after altering the length of your strap — if the number of links on the two strap sides is different — there should always be one more link left on the 6 o'clock side. Example: if you want to shorten your strap by a total of three links but have an equal overall number of links in each section of the strap, remove two links from the 6 o'clock side but just one from the 12 o'clock side. If, when ordering your watch, you have already asked for its strap to be shortened, please first check the link ratio before making any further changes.

In changing its length, the steel strap should not be separated from the clasp. However, before lengthening the strap, open the clasp and strap extension. Then remove both screws on the side of a link, by turning the two Allen keys in opposite directions. Before screwing the links together again, add a touch of adhesive (and only a touch!) to the screw thread.



TECHNICAL DETAILS

Mechanical movement

- Sinn Kaliber ETA 2824-2
- Self-winding mechanism
- 25 jewels
- 28,800 semi-oscillations per hour
- Shockproof according to DIN 8308
- Antimagnetic according to DIN 8309

Functions

- Hours, minutes, seconds
- Date display
- Safety diver bezel with luminous triangle

Watch case

- German submarine steel with TEGIMENT® technology and black hard coating
- Sapphire crystal with highly advanced anti-reflective technology
- Captive diver's bezel
- Crown and pushers with SINN-D3-Seal-System
- Case diameter 44 mm
- Strap lug width 22 mm

Tests and Certification

- According to the European diving equipment norms EN 250 and EN 14143, certified by Germanischer Lloyd, Hamburg
- Withstands pressure up to 100 bar, certified by Germanischer Lloyd, Hamburg
- According to technical demands of diver's norm DIN 8306
- Water-resistant according to DIN 8310



Model **U1W** —luminous.



SERVICE

General advice

To preserve the water-resistance for as long as possible, the watch should be rinsed whenever it has been in contact with sea water, chemicals, etc.

If your watch is frequently worn in/under water, we recommend having its water-resistance checked at yearly intervals.

The watch is designed to withstand high levels of mechanical wear and tear and is shockproof according to DIN 8308. Nevertheless, it goes without saying that continual mechanical stress in the form of impacts or vibration will affect its durability. Care should therefore be taken to protect your watch from unnecessary wear and tear.

It is only possible to judge how well the watch keeps time after it has been in operation for approximately eight weeks, since it takes that long for the working mechanism to become adjusted, especially in view of the fact that everybody has different lifestyles and habits.

In the event of any excessive deviation, please keep a day-to-day record of its timekeeping over a period of about one week, for example.

Do you have any questions?

Our employees will be pleased to advise you. Simply get in contact with us. We look forward to talking to you.

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

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

E-Mail: kundendienst@sinn.de



Should you send your watch in to customer service, we need to ensure the process goes smoothly, the following information:

- Name, address, e-mail address and fax number (where applicable) and a daytime telephone number.
- A detailed description of the problem, such as the exact nature of the defect. At what time does the problem arise? How often does the problem occur?
- Wherever possible, please state the date of purchase and your customer no. (indicated on the invoice) or enclose a copy of the invoice.

For information about the process, please refer to the section entitled “Repairs” in our “General Terms and Conditions of Business”. You’ll find our „General Terms and Conditions of Business” on our Web site at www.sinn.de. We will be pleased to send you a copy of the “General Terms and Conditions,” or you can contact our customer service department directly. For insurance reasons, we strongly recommend sending us any return goods by registered parcel post. As an alternative for customers in Germany, there is also the option of a collection service covered by transport insurance, on request. To ensure your request is dealt with smoothly, please call our customer service department! We regret that we are unable to accept deliveries with unpaid postage!

Please send your watch to the following address:

Sinn Spezialuhren GmbH & Co. KG

Kundendienst

Im Földchen 5–7

60489 Frankfurtam Main

Ausführliche Informationen zu SINN, zu Modellen und zu Technologien finden Sie auch unter www.sinn.de.



An underwater photograph of a coral reef. The scene is dominated by a large, branching coral structure with a reddish-brown trunk and blue-tinted, porous branches. Several small, bright orange fish are swimming in the clear blue water. The background is dark, suggesting a deep or shaded part of the reef.

Sinn

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