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Sinn

SPEZIALUHREN ZU FRANKFURT AM MAIN

### DEAR CUSTOMERS,

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 magnetic field protection and scratch-resistance. Some of our customers, such as divers, pilots or the special GSG 9 police unit, need to rely on their watch in their respective careers because their life depends on it.

They all swear by the high performance, resilience and durability, as well as the quality and precision of these timepieces. We, for our part, give absolute priority to functionality, which ultimately determines the design. Our watches only feature technological attributes that really make sense. The water and pressure-resistance data are reviewed and authenticated at regular intervals, as is the case with our divers' watches, for instance. All the while, we remain committed to our guiding principle 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 chosen a timepiece by SINN and would like to take this opportunity of wishing you a lifetime of pleasure with your purchase.

With kind regards, Lothar Schmidt

## TIME AND HISTORY: SINN SPECIAL WATCHES 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<sup>®</sup> 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 areater than normal. Or those models filled with inert gases and featuring an integrated dehumidifying capsule to counteract moisture infiltration and the gaeing 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 sledge-dog 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 chronoaraph 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. Germanic 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 Germanic Lloyd in 2006, SINN diver's watches as diving agar 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 sianature 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.

# Manufacturing workshop and watch movement modifications

Since 1994, we have also run our own specialist workshop, where valuable, unique watches are handcrafted by our master engravers and watchmakers. We invest just as much skill and passion in modifying our watch movements, recognisable by the designation "SZ" for "SINN-Zeit" (SINN time). By way of an example, we would like to mention our SZ 04 movement, a pocket-watch calibre with a regulator display, which is featured for the very first time in the model series 6100. Or the SZ 02 movement, especially designed for chronograph watches with a 60-minute register display at 12 o'clock.



# 6100 REGULATEUR SERIES: CONTEMPORARY TRADITIONAL WATCHES

There is hardly another technical invention that has featured as prominently in the evolution of humankind as clocks and watches. In this day and age, a world without a reliable synchronisation of time schedules is unimaginable. Even in medieval times, watchmakers constantly strove to accomplish precise timekeeping and to perfect their craftsmanship. Both were implemented in a style characteristic of the era in the form of the mechanical clock based on the principle of the pendulum. Even today, the pendulum clock is still one of the best examples of precision engineering or measuring time mechanically. And Peter Henlein's idea of an oscillating system based on the spring and flywheel dating back to 1510 continues to function along much the same lines in all mechanical watches to the present day.







### THE MINUTE AS A CENTRAL MEASURE OF TIME

### Keeping track of the seconds

Nowadays every hour, every minute, every second counts. What is now regarded as a sign of the times actually originated in the 18th century. Louis Berthoud, the son of the famous watchmaker Ferdinand Berthoud, devised the regulator dial. His idea was that the minute hand should be dominant; hours and seconds would rotate on separate dials integrated into the watch face. A groundbreaking invention, but one which also took account of an emerging general trend: people were becoming increasingly interested in measuring the smallest units of time. They sensed a growing urge to keep a precise, uniform track of time, wherever they happened to be.

### Precision pendulum clocks as a time base

The new dial face was also incorporated into precision pendulum clocks, the socalled regulators. All other clocks had to be aligned to this central, or primary clock. They synchronised sequences and measurements connected with transport, trade and communications and became the time base for centuries to come. Until the late 1960's, precision pendulum clocks represented the norm for determining official time standards – until they were replaced by atomic clocks.





#### Keeping the pendulum swinging

Even today, the precision and aesthetics of a mechanical watch hold an enduring fascination for us. The ageless principle of its working mechanism finds a congenial sequel in the 6100 REGULATEUR series created by SINN. An updated version of the pendulums that were featured in the historical regulators still swings in these watches. Round pendulums (consisting of a balance wheel equilibrated with screws, in this particular model) ensure the steady, precise progression of the hour, minute and second hands. It's no accident that the traditional image of the REGULATEUR with its single hand is geared to the minute as the central measure of time. The dial is guilloched, the appliqués contrasting with the (black) background, and the stylish, finely drawn numerals convincingly emulate historic templates.

### MODEL 6100 REGULATEUR TECHNIK

How can one re-interpret this classic of traditional watchmaking craftsmanship in line with typical SINN style for contemporary times? That's the question our master watchmakers and engineers devoted themselves to in their passionate endeavours to develop this watch. Their impressive answer is the Model 6100 REGULATEUR Technik. Compared to our other REGULATEUR watches, which take their cue from more historical styles, this model takes a new direction, with its very

modern look, one in which clear readability has been given top priority. For this reason, we have also consciously designed the watch to be plain and simple — without jettisoning the familiar REGULATEUR appearance. We have resolutely held faith with the concept of readability in that, unlike the REGULATEUR Klassik, we have equipped the hands and indices of the REGULATEUR Technik with a special colour for night-time visibility. The perfectly contemporary interpretation is completed by the gear train on the inner bezel and the SZ 04 hand movement in chronometer quality with stop seconds.



#### Living up to the highest standards

A great deal of passion was invested into the development of the REGULATEUR mechanical SZ 04 movement. Alongside numerous other sophisticated details, it characterises the appearance and performance of this watch. The working mechanism features several genuine finesses for connoisseurs: a Glucydur screw balance, a Triovis fine-adjustment system, a Nivarox 1 spring and an elaborate movement with Geneva ribbing (Côtes de Genève) and blued screws, which is visible through the sapphire-crystal display back.



### TECHNICAL DETAILS

### Movement

- · SINN SZ 04
- · Manual wind 17 jewels
- · 18,000 semi-oscillations per hour
- · Triovis fine adjustment system
- · Antimagnetic according to DIN 8309
- Shockproof according to DIN 8308

### Dials and hands

- · Small hour dial at 12 o'clock
- · Centrally placed minute hand
- · Small second hand at 6 o'clock

### Watchcase

- · Stainless steel, polished/satinised
- · Sapphire crystal on front, anti-reflective both sides
- · Sapphire crystal display back, anti-reflective inside
- · D3 crown system, with double "O" ring gasket
- · Water-resistant according to DIN 8310
- Water-resistant and withstands pressure up to 10 bar (= 100 m underwater depth)
- · Safe below atmospheric pressure
  - · Strap width 22 mm

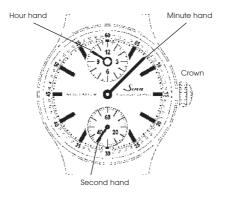
### INSTRUCTIONS FOR USE

### Operation and adjustments

The movement is wound by twisting the crown in a clockwise direction.

Adjusting the hands

To adjust the hands, pull out the crown and set the hour and minute hands to the correct time. For an accurate time setting, we recommend moving the hand past the desired minute marker and then adjusting it in a counterclockwise direction.





### 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 dayto-day record of its timekeeping over a period of about one week, for example.

#### **Customer service**

Should you need to send your watch to our customer service department, we require the following information in order to carry out the repair/maintenance work efficiently:

- 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.

As soon as we receive the watch, you will be sent a confirmation of receipt or an estimate in the event that the foreseeable costs are likely to exceed 80 EUR. 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!

Phone: + 49 (0) 69 - 97 84 14 - 400 Fax: + 49 (0) 69 - 97 84 14 - 401 E-Mail: kundendienst@sinn.de





SPEZIALUHREN ZU FRANKFURT AM MAIN

Im Füldchen 5-7 · 60489 Frankfurt/Main Phone +49 (0) 69 - 97 84 14 - 200 · Fax - 201 http://www.sinn.de · vertrieb@sinn.de