

*Молния*



ACHS-1 · 4.2 WRIST WATCH



We would like to congratulate you on your purchase of the AChS-1 4.2 wrist watch. We sincerely hope that you will be satisfied with the superior craftsmanship and reliability of our pieces, as well as with their elegant designs.

We at “Molnija” aim not only to provide you with outstanding product, but a high level of customer service as well. We are striving to consistently improve our services as a company. Your opinion is highly valuable to us and we welcome any questions or comments.

We hope that our product is deserving of your time and greatly value your continued business.

[www.molnija.shop](http://www.molnija.shop)

The “Molnija” (Lightning) watchmaking company was founded in 1947 and to this day continues to bring together the best watchmakers throughout Russia. The company is centered upon a commitment to producing watches and calibers of the highest precision. Our watches are the symbol of reliability, accuracy, and an unshakeable reputation. Our chronographs are designed for aeronautical application, stand up to extreme temperatures and pressure, and for decades have served as a crucial link in Russian aviation.

The history of Molnija is unlike any other. The manufacturer has come a long way from the end of the Great Patriotic War and making clock movements for fighter jets and helicopters to designing stylish modern timepieces today.

Prior to the October Revolution, the watchmaking industry had never truly taken off in Russia but demand for clock and watch movements as well as timepieces continued to increase at the start of the 20th century. In 1927, the Soviet leadership put together a delegation that was tasked with finding and purchasing all the required equipment as well as hiring leading professionals for laying the groundwork for USSR’s watchmaking sector. They were able to achieve these aims in 1930 in the United



States, where the renowned Dueber-Hampden Watch Company had earlier gone into receivership on account of falling sales during the Great Depression. That same year, the equipment was set up at the First Moscow Watch Factory, which marked the start of the watchmaking age in the Soviet Union.



The decree No. 8151c "On increasing production and improving quality of pocket and wrist watches" granted permission to build plant No. 834 in the city of Chelyabinsk

1930



The Soviet trade agency in the US acquires the assets of the bankrupt Dueber-Hampden Watch Company for \$ 329,000

Founding of 1st MChZ (Moscow Watch Factory)

1945

1947



The first production of the ChChZ "Molnija", the first aviation watch — model AVP-M

1948



The 50's of the 20th century

ChChZ "Molnija" produces about 30 thousand special watches and more than 1 million pocket watches per year



On the ChChZ "Molnija" a branch laboratory of computer technology is being created for the manufacture of quality control devices for watches

1967



The late 60's - early 70's.

Watches of ChChZ "Molnija" are exported to more than 30 countries of the world



A new alloy for the "Molnija" watch is being invented

1974



1988

ChChZ "Molnija" is awarded "For commercial prestige" in Austria  
ChChZ "Molnija" receives prestigious award «Golden Arch» in Mexico



Receiving the "Diamond Star" award in Spain

1990



Receiving the Golden Eagle award in France

1998



Prize "For Technology" in Switzerland

2000



2016

The release of the new first limited collection of watches AChS-1



Release of the first limited collection of wristwatches EVOLUTION, based on the design and functionality of special watches 756

2017



2018

First wrist watch collection Tribute 1984 based on the 3603 movement has been released

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The foundation of the Chelyabinsk watch factory (ChChZ) "Molnija"



After the Great Patriotic War had begun, many plants, including the First Moscow Watch Factory, were relocated from the western part of the country to the East. Within a very short period, production of timepieces and their movements for the needs of the Red Army was successfully launched in the city of Zlatoust.

On April 19, 1945, just three weeks before Germany surrendered to the Allies, Joseph Stalin had signed State Defense Committee of the USSR decree No. 8151c "On increasing production and improving quality of pocket and wrist watches". It told of the need to revive the watchmaking industry by designing novel types of timepieces and setting up new watch factories.

The decree also granted permission to build plant No. 834 in the city of Chelyabinsk. In fact, the decision to launch production of a novel type of 36 caliber pocket watch under the brand name Molnija was made at that factory. The best professionals and equipment were sent to the capital of southern Urals.

On November 17, 1947, the first production line was launched. Since then, Molnija's Chelyabinsk Watch Factory has been celebrating its anniversary on this day.



That same year, the first 36 caliber was showcased by a delegation of Soviet watchmakers during their visit to Switzerland, where it was well received by Swiss watchmakers.

In due course, Molnija became a true powerhouse in its sector. It employed more than 5,000 staff at its factories. Molnija products (which included special purpose time measuring devices as well as a wide range of watches and clocks for general public) were manufactured to meet the needs for timepieces not only in the Soviet Union but also in Warsaw Pact countries. Along with specialized devices, the factory produced up to 1,000,000 pocket watches a year that were distributed to over 30 countries throughout the world. The Molnija souvenir table-top clock became another prominent product of the factory.

The manufacture of special purpose timepieces remained a key line of business for the plant. In fact, these products have become an integral part of history of Russia's aeronautics sector. After they were first used in now legendary Mikoyan-Gurevich MiG-15 jet fighters, the timepieces quickly earned the reputation for their reliability. And mere ten years after the factory had been launched, it was manufacturing up to 30,000 special purpose timepieces. In fact, the name ACHS became synonymous with aviation watches for many pilots.

By the end of the 1940s the firm was producing aeronautical timepieces and chronographs for the defense industry. The production of these timepieces has become the main task of the factory ever since. The history of the firm is deeply intertwined with the history of Russian aviation. First appearing in the cockpit of the legendary MIG-15 jet fighter, our timepieces quickly confirmed their reputation for quality, and by the 10th year of production the factory was producing over 30 thousand specialized watches, and our first aviator's watch became widely known.

In addition to specialized production, the factory also perfected timepieces for the civilian sector, such as pocket watches and interior clocks. It was these models that allowed our company to become one of the most famous in Russia, as well as in the USA, Germany, Turkey, Austria, and even Switzerland.

The tradition of Molnija continues to evolve today. Over 60 thousand technical processes are already mastered by the production, resulting in a wide variety of parts and components for in-house watches and mechanisms of the highest quality.

## WEAR AN AVIATION CHRONOMETER WATCH ON YOUR WRIST

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The production of the legendary aviation clock AChS-1 began in the distant 40s. They were first installed in the cockpit of the most massive jet fighter in the history of the MiG-15 aircraft. The reliability and quality of AChS-1 were confirmed by the pilots as soon as possible and already in the 50s the Molnija factory produced more than 30 thousand special clocks a year. Due to the quality, reliability and accuracy even in extreme conditions, the AChS-1 clock has become the most popular model of special time measuring devices for the aviation industry. A variety of AChS-1 watches are installed on a wide variety of equipment, including the MiG-29 multirole fighter, the Ka-31 radar helicopter, the Tu-22M3 long-range bomber, the Tu-95MS strategic bomber, the Tu-214 passenger aircraft, and the Night Hunter attack helicopter Mi-28, the world's largest cargo helicopter Mi-26 and many others.



Even the name AChS-1 has become a household name for pilots in relation to any aviation clock. Today, the Chelyabinsk watch and clock factory Molnija presents a collection of wrist watches AChS-1, so that not only pilots, but all fans of aviation can touch the legend of Russian aircraft construction.

AChS-1 Version 4.2 is a long-awaited modification of the AChS-1 wrist watch based on a Russian-made automatic movement. The watch retains its traditional and easily recognizable appearance, but has a new heart - the automatic caliber 2416B, which can be seen working behind the transparent caseback. Water-resistant to 10 ATM, a genuine leather strap with easy-to-change mechanism and a large, easy-to-read dial make this model functional and comfortable for daily use.







## TECHNICAL CHARACTERISTICS

- AUTOMATIC MECHANICAL MOVEMENT 2416B
- ACCURACY -20 ... +60 SEC PER DAY
- POWER RESERVE - NOT LESS THAN 31 HOURS
- SAPPHIRE GLASS
- HIGH QUALITY GENUINE LEATHER STRAP
- STAINLESS STEEL CASE AND BUCKLE,  
MATTE POLISH
- BIG DIAL
- BIG EASY-TO-READ INDEXES WITH LUMINOUS  
COATING
- WR 10 ATM
- 1 YEAR WARRANTY



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