

**Press Release**

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## RICHARD LANGE JUMPING SECONDS

White-gold edition with black dial

**The RICHARD LANGE JUMPING SECONDS makes a strong statement with its prominent white-gold case and black dial. The scientific-technical design of the timepiece is emphasised with minimalistic red colour accents.**



RICHARD LANGE JUMPING SECONDS in white gold

Ever since it was launched in 2016, Lange's first new-era model with jumping seconds has stood out with its sleek design and mechanical finesse. Its regulator dial with the large seconds circle at the top draws the attention to the smallest of the three units of time. The smaller hour and minute circles arranged beneath it are positioned to the left and right.

A. Lange & Söhne is presenting a version with a black dial at the SIHH 2019 in Geneva. Subtlety in colour and the symmetry of the circles recall Bauhaus design concepts. The clear contrast of white markings on a black background adds a new aesthetic dimension to the regulator architecture emphasised by its red accents. The display in the lower zone where the hour and minute indications intersect is a special eye-catcher: Ten hours before the unwound state is reached, it switches from white to red, reminding the wearer that the watch needs to be rewound soon.

The indication of the time units with three overlapping displays dates back to Dresden-based astronomer and watchmaker Johann Heinrich Seyffert. His famous pocket chronometer No. 93, completed in 1807, was the first watch with such a dial arrangement. Despite its historic roots, the RICHARD LANGE JUMPING SECONDS is decidedly contemporary and functional. Against the dark background of the flat dial, the hands – in solid gold for the hours and minutes, and in rhodiumed steel for the sweep seconds – stand out prominently. The interplay between contrasting bright and dark colours is echoed by the black alligator leather strap with a white-gold buckle.

With superior rate accuracy and eminent legibility, the RICHARD LANGE watch family continues the tradition of scientific observation watches at A. Lange & Söhne. Its name pays tribute to Ferdinand Adolph Lange's first-born son. Throughout his entire life, Richard Lange was committed to harnessing the latest scientific insights in the interest of progress in watch-making. A metal alloy for balance springs, still used today, is one of his 27 patented inventions. In an evolved form, the stoppable jumping sweep seconds conceived by his father was granted one of the first patents in Germany in 1877.



Lange manufacture calibre L094.1

The RICHARD LANGE JUMPING SECONDS carries the concept of the observation watch over into the 21st century. With its unique combination of a constant-force escapement for the seconds, jumping seconds, and ZERO-RESET function, it showcases the key hallmarks of an observation watch: dependability, precision, and clarity. In the L094.1 manufacture calibre, three complex mechanisms interact to drive the balance with a uniform amount of energy across the maximum power reserve of 42 hours, to advance the seconds hand from marker to marker 86,400 times a day, and to activate the ZERO-RESET function.

Acting as a spring-powered remontoir system, the constant-force escapement of the RICHARD LANGE JUMPING SECONDS transforms the gradually declining torque of the mainspring barrel into identical bursts of energy that are delivered to the escapement in one-second intervals. Additionally, switching impulses are generated for the jumping seconds. The first pocket watches with this complication date back to the late 18th century. As precursors of the chronograph, they were used for time measurements with one-second resolution. They helped naval navigators find their way, assisted astronomers in determining celestial meridian passages and allowed physicians to measure heart rates.

When the crown is pulled out, the patented ZERO-RESET mechanism of the RICHARD LANGE JUMPING SECONDS stops the cam-poised balance wheel, advances the seconds hand to the zero position as in a chronograph, and thus simplifies time setting. For this purpose, the flow of power from the constant-force escapement to the going train must be interrupted. This is done with a proprietary multi-disc clutch. It steadies the seconds hand in its position as it incrementally jumps forward, making it possible to reliably block and re-establish the flow of power.

The finissage of the 390-part manually wound movement complies with the strictest Lange standards. Together, the bridges made of untreated German silver and decorated with Glashütte ribbing, the hand-engraved balance cock, the eight screwed gold chatons, and the lavishly decorated and polished surfaces give the RICHARD LANGE JUMPING SECONDS its classic Lange face on the movement side as well.

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#### **About A. Lange & Söhne**

Dresden watchmaker Ferdinand Adolph Lange laid the cornerstone of Saxony's precision watchmaking industry when he established his manufactory in 1845. His precious pocket watches remain highly coveted among collectors all over the world. The company was expropriated after World War II, and the name A. Lange & Söhne nearly vanished. In 1990, Ferdinand Adolph Lange's great-grandson Walter Lange had the courage to make a new start. Today, Lange crafts only a few thousand wristwatches in gold or platinum per year. They are endowed exclusively with proprietary movements that are lavishly decorated and assembled by hand. With 63 manufacture calibres developed since 1994, A. Lange & Söhne has secured a top-tier position in the world of watchmaking. Brand icons such as the LANGE 1 with the first outside date in a regularly produced wristwatch and the ZEITWERK with its precisely jumping numerals display rank among the company's greatest successes. Sophisticated complications such as the ZEITWERK MINUTE REPEATER, the TOURBOGRAPH PERPETUAL "Pour le Mérite" and the TRIPLE SPLIT reflect the manufactory's determination to achieve ever new pinnacles in horological artistry.

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<b>RICHARD LANGE JUMPING SECONDS</b>		<b>Ref. 252.029</b>
Movement	Lange manufacture calibre L094.1; manually wound, crafted to the most exacting Lange quality standards, decorated and assembled by hand; precision-adjusted in five positions; constant-force escapement with remontoir spring crafted in-house; plates and bridges made of untreated German silver; balance cock engraved by hand	
Movement parts	390	
Jewels	50	
Screwed gold chatons	8	
Escapement	Lever escapement	
Oscillator	Shock-resistant balance wheel with eccentric poising weights; balance spring manufactured in-house with a frequency of 21,600 semi-oscillations per hour, precision beat-adjustment system with lateral setscrew and whiplash spring	
Power reserve	42 hours when fully wound	
Functions	Time display in hours, minutes and jumping seconds with stop seconds and ZERO-RESET function; end-of-power indication	
Operating elements	Crown for winding the watch and setting the time	
Case dimensions	Diameter: 39.9 millimetres; height: 10.6 millimetres	
Movement dimensions	Diameter: 33.6 millimetres; height: 6 millimetres	
Crystal and back	Sapphire crystal (Mohs hardness 9)	
Case	White gold	
Dial	Solid silver, black	
Hands	Hours and minutes in solid gold, seconds hand in rhodiumed steel	
Strap	Hand-stitched alligator leather strap, black	
Buckle	Lange prong buckle in white gold	