

Press Release

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RICHARD LANGE JUMPING SECONDS

Seconds in a starring role

The **RICHARD LANGE JUMPING SECONDS** combines technical precision with individual elegance. Nine years after its launch, the timepiece continues to establish benchmarks in rate accuracy and legibility, with its unique fusion of constant-force escapement, jumping seconds and ZERO-RESET mechanism. The warm hue of the dial in 750 pink gold contrasts crisply with the cool radiance of the white-gold case, endowing the new edition – limited to 100 watches – with a distinctive personality.



The new RICHARD LANGE JUMPING SECONDS in 750 white gold

In the RICHARD LANGE JUMPING SECONDS, the spotlight is on the smallest of the three units of time, the seconds, as well as on superior rate accuracy – thanks to the eponymous jumping seconds, the constant-force escapement that assures the delivery of a uniform amount of energy and the ZERO-RESET mechanism for resetting the seconds hand to zero. The largest of three time circles is allocated to the seconds while the two smaller ones positioned below on the left and right indicate the hours and minutes. Additionally, a triangular indication at the intersection between the hour and minute circles switches to red ten hours before the power reserve is depleted, thus delivering a reminder to soon rewind the watch.

A prominent dial with historical inspiration

The well-balanced design is focused on outstanding legibility. It dates back to chronometer No. 93 crafted by Johann Heinrich Seyffert, a gifted Dresden watchmaker who in the late 18th century established the fundamentals of precision timekeeping in Germany and also inspired Ferdinand Adolph Lange. The famous explorer and natural scientist Alexander von Humboldt was among his renowned customers – he was accompanied by a Seyffert chronometer on his legendary expedition to Latin America.

Sophisticated mechanisms

Beneath the dial of the RICHARD LANGE JUMPING SECONDS, three game-changing mechanisms interact, their respective functions perfectly complementing each other: the constant-force escapement, the jumping seconds mechanism and the ZERO-RESET mechanism.

The constant-force escapement assures that the watch is powered with a constant force during the entire power reserve, resulting in superior rate accuracy. To supply the required energy, an impulse is generated every second. This impulse is also used for the jump of the seconds, exactly 60 times per minute.

The ZERO-RESET mechanism is equipped with a multi-disc clutch: when the crown is pulled, the seconds hand instantly jumps to the zero position, making time setting with one-second accuracy possible.

The choreography of the trinity of mechanisms can be admired through the sapphire-crystal caseback. An aperture in the three-quarter plate reveals how the remontoir spring of the constant-force escapement receives fresh energy from the mainspring barrel once a second and delivers this to the going train. Mounted on the escape-wheel arbor beneath a transparent bearing jewel, a rotating star controls the jumping seconds mechanism. A clear view is also afforded of the complex lever system of the ZERO-RESET mechanism and its arresting spring that blocks the balance, enabling precise time setting.

Technical and artisanal excellence

The manually wound 390-part calibre L094.1 is assembled twice and boasts many traditional elements. The remontoir spring of the constant-force escapement and the balance spring are manufactured in-house and can therefore be optimally paired with the movement.

Both hinge on insights gained by Richard Lange: the watch family's name pays tribute to company founder Ferdinand Adolph Lange's first-born son. With numerous discoveries and patents, he decisively contributed towards the advancement of precision watchmaking. In his capacity of watchmaker, inventor and engineer, one of his most important achievements was the development of a metal alloy for watch springs, still widely used today in precision watchmaking.



Close-up of the new RICHARD LANGE JUMPING SECONDS

The elaborate finish of all components complies with the manufacture's high standards when it comes to artisanal perfection. The sapphire-crystal caseback exposes the evocative composition of typical Lange quality hallmarks to view, such as the hand-engraved balance cock, screwed gold chatons, blued screws as well as the three-quarter plate made of untreated German silver which is embellished with decorations and polishing techniques.

"The RICHARD LANGE JUMPING SECONDS pairs comprehensive precision with individual elegance. On the one hand, it offers superb rate accuracy as well as quick and precise settability; on the other, our watchmakers succeeded in integrating the complex mechanisms in a confined space, thus enabling a flat architecture of elegant proportions," explains Anthony de Haas, Director Product Development at A. Lange & Söhne. "The ensemble of colours – the case in 750 white gold and the pink-gold dial with contrasting black markings – represents a distinguishing feature of the watch."

The dimensions of the RICHARD LANGE JUMPING SECONDS that comes in a limited edition of 100 watches remain unchanged. The case diameter of 39.9 millimetres and the height of 10.6 millimetres are a manifestation of its harmonious proportions. This timepiece is the fourth model version of the RICHARD LANGE JUMPING SECONDS, and the fourth Lange watch showcasing a pink-gold dial. It is complemented with a dark-brown leather strap and a 750 white-gold prong buckle.

About A. Lange & Söhne

Dresden watchmaker Ferdinand Adolph Lange laid the foundations for Saxony's precision watchmaking industry when he established his manufacture 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 relaunch the brand. Today, Lange crafts only a few thousand wristwatches per year, predominantly in gold or platinum. They are equipped exclusively with movements made in-house that are elaborately finished and assembled by hand. With 75 manufacture calibres developed since 1990, A. Lange & Söhne has secured a top-tier position in the world of watchmaking. Its greatest achievements include the LANGE 1, the first regularly produced wristwatch with an outsize date, and the ZEITWERK, with its precisely jumping numerals. Extraordinary complications such as the ZEITWERK MINUTE REPEATER, the DATOGRAPH PERPETUAL TOURBILLON and the TRIPLE SPLIT represent what the manufacture always strives for: to drive the traditional art of watchmaking to ever-new heights. Launched in 2019, the sporty-elegant ODYSSEUS in stainless steel marked the beginning of a new chapter for the manufacture.

Press enquiries

Arnd Einhorn, Head of Global Corporate Communications & Product PR
Tel.: +49 (0) 35053 440 | Email: presse@lange-soehne.com

Online information

alange-soehne.com | facebook.com/langesoehne | youtube.com/user/alangesoehne
instagram.com/alangesoehne | [#alangesoehne](https://twitter.com/alangesoehne) | [#richardlange](https://twitter.com/richardlange) | [#richardlangejumpingseconds](https://twitter.com/richardlangejumpingseconds) | [#neverstandstill](https://twitter.com/neverstandstill)

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RICHARD LANGE JUMPING SECONDS		Ref. 252.056
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	
No. of movement parts	390	
No. of jewels	50	
No. of screwed gold chatons	8	
Escapement	Lever escapement	
Oscillation system	Shock-resistant balance wheel with eccentric poising weights; superior-quality balance spring manufactured in-house, 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 indicated in hours, minutes, 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: 6.0 millimetres	
Crystal and transparent caseback	Sapphire crystal (Mohs hardness 9)	
Case	750 white gold	
Dial	750 pink gold	
Hands	Hour and minute hands: 750 gold, rhodiumed; seconds hand: steel, rhodiumed	
Strap	Hand-stitched alligator leather, dark-brown	
Buckle	Prong buckle in 750 white gold	
Limited edition	100 watches, edition number engraving	