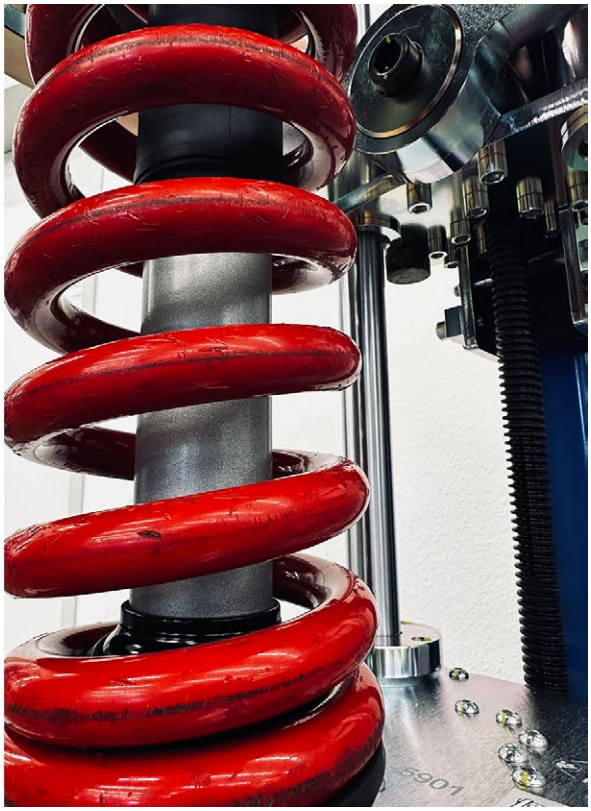
GEDORE Spring Compressor KL-5901 – 22,500 N clamping force for safe work on McPherson struts





Remscheid, September 9, 2026 – Strong suspension springs place high demands on the spring compressor when removing and installing McPherson struts. Particularly on SUVs, pick-ups and electric vehicles, high spring forces must be controlled safely and in a controlled manner. The stationary KL-5901 spring compressor from GEDORE Automotive is designed for this with a clamping force of 22,500 N, equivalent to around 2.3 tonnes. The design also offers a fourfold safety factor and was tested by an independent body up to a load of more than 9.0 tonnes. For this combination of high clamping force and a safe, controlled clamping process, the KL-5901 was nominated for the Innovation Award at Automechanika 2026.

A key feature of the KL-5901 spring compressor is the way the spring is held during the clamping process. Unlike solutions that engage the spring directly, on the KL-5901 the suspension spring is compressed via the spring plate and held simultaneously via the damper tube and the upper strut mount. The spring is thus guided throughout the entire process in the same position it has in the vehicle. A variable spring plate holder and an adjustable strut holding device allow adaptation to different McPherson struts. Clamping is carried out in a controlled, purely mechanical manner using the handwheel.

The form-fit and force-fit fixing via the damper tube prevents uncontrolled transverse forces on the spring. The complete assembly of damper, spring and strut mount remains positionally secure during clamping. Direct engagement with the spring is not required. As a result, neither spring shape nor spring pitch matters, which makes the KL-5901 universally applicable to McPherson struts.

With its high clamping force, the KL-5901 is also designed for particularly strong springs. In addition to conventional vehicles, the spring compressor is suitable for EVs, SUVs and pick-ups and is therefore also suited to the requirements of modern suspension applications. The design is OEM-proven and combines high load capacity with a mechanically controlled way of working.

The KL-5901 is also designed for practical workshop use. Clamping is carried out using the handwheel and can be performed by one person. The variable receptacle, the fixing via damper tube and strut mount, and the absence of direct engagement with the spring support simple and controlled handling when removing and installing the suspension spring.

High-resolution image material is available for download here.

About GEDORE

GEDORE is one of the world's leading partners for premium tools. Since 1919, the family-owned company from Remscheid has manufactured high-quality tools, special tools and customised solutions for diverse, safe and professional use in industry and the skilled trades. GEDORE combines the expertise of the entire corporate group into one strong brand that stands worldwide for exceptional quality, innovative strength, performance, reliability and outstanding service.

About GEDORE Automotive

In Donaueschingen, GEDORE brings together industry expertise for the assembly, maintenance and repair of passenger cars and commercial vehicles. GEDORE Automotive GmbH is the leading manufacturer of special tools in the automotive sector. Founded in 1978, the former Klann Spezial Werkzeugbau GmbH has belonged to the GEDORE Group since 2002 and has been fully integrated into the group as GEDORE Automotive GmbH since 2016. GEDORE Automotive tools are used globally to make repair work easier and more efficient. With more than 90 patents and utility models in Germany and abroad, GEDORE Automotive is also one of the leading special tool manufacturers worldwide. Innovative tools for all vehicle types are developed in the company's own test workshop and produced with state-of-the-art technology.

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