

Lesjöfors is a global manufacturer and supplier with the market's widest range of springs, gas springs and strip components. Our success is the result of years of dedicated work and research into innovative problem solving across a range of major and diverse industries. Our experience, along with our unique skills, access to resources and focus on continuous development processes delivers high tech customised solutions for every need.

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New! Lamborghini equipped with Lesjöfors springs

In a close cooperation with Öhlins racing, Lesjöfors has designed innovative chassis springs to the dampers of the new-released Lamborghini Aventador. The sports car was released at the Geneva Motor Show in March and has been called a new reference in super sport cars.

The super sports car of the future

Lamborghini Aventador is a brand new sports car model characterized by modern design and lightweight technology. The 6.5 liter V12 motor gives an effect of 700 hp and the Aventador achieves 0-100 km/h in 2.9 seconds. Top speed is 350 km/h and the price estimates to about 3 million SEK (324 000 Euro).

Innovative chassis springs for dampers

The chassis springs give the car good driving qualities at the same time as they manage the loads that are transferred from the wheels into the car. The Aventador also has a new type of lifting system for leveling of the front of the car that puts extra requirements on the springs. Lesjöfors has in a close cooperation with Öhlins Racing designed two types of springs with different stiffness, one front spring and one rear spring, that live up to the Volkswagen Group's high demands on the Aventador's shock absorption system.

Cooperation with extreme demands

A comprehensive, 28 pages long requirement specification was the base for design and testing of the chassis springs. Construction and testing was carried out during 2.5 years in close teamwork with Öhlins. Among others, wide-ranging tests to verify the springs fatigue strength and the corrosion resistance of the surface treatment have been carried out. At some stages, extreme short manufacturing processes and deliveries were required and Lesjöfors has lived up to the high standards.

- We are highly satisfied with our cooperation with Lesjöfors. Quick responses and innovative problem solving are qualities we have experienced and appreciated much in our contacts with the company, says Rade Catovic, Project Manager for the Lamborghini damper at Öhlins Racing.

