

Spyker C8 Aileron: the new-generation Spyker

The Spyker C8 Aileron is an advanced mid-engine, two-seat sports car, featuring a longer wheelbase than Spyker's existing sports cars, the C8 Laviolette and convertible C8 Spyder.

The Aileron is characterized by a distinctive design, lightweight all-aluminum body construction and an uncompromising engineering package. The Spyker C8 Aileron is hand-crafted, using only the finest bespoke materials to create a unique automotive statement.

The Aileron features an all-aluminum V8 engine producing 400 bhp and generating 354 lbs of torque at 3,400 rpm. The engine is paired to a manual six-speed gearbox, driving the rear wheels via a limited slip differential. For the first time, Spyker is offering an optional automatic transmission on the C8 Aileron. The Aileron delivers a top speed of 300km/h (187 mph) and accelerates from standstill to 60 mph in a mere 4.5 seconds.

Optional features include a turned aluminum dashboard fascia, elegant 19-inch directional rotor wheels, branded Rotorblade™, quilted leather detailing for the cockpit and Chronoswiss dashboard instruments. Additionally, complete custom and unique finishes are available for the experienced connoisseur.

Chassis

The Spyker C8 Aileron's all-aluminum space frame was completely redesigned with the objective to increase torsional rigidity and to incorporate an all-new suspension system designed and supplied by Lotus. These characteristics provide an ideal foundation for enhanced vehicle dynamics.

Moreover, the C8 Aileron's dimensions have been optimized for more interior space and to accommodate the optional automatic gearbox. Compared to the short wheelbase of the first-generation cars – the Spyker C8 Laviolette and C8 Spyder – the wheelbase of the C8 Aileron is 150 mm longer, providing more driving comfort and stability at high speeds. Its front track has increased by 6.1 inches (155 mm). The total dimensions of the front and rear track are now 63.98 inches (1625 mm) and 64.76 inches (1645 mm) respectively, which improves road handling significantly.

Drivetrain

The Spyker C8 Aileron uses the Audi 4.2 litre V8 engine, delivering 400 bhp and is available with two transmission alternatives. The first one is a 6-speed Getrag manual gearbox, with ratios perfectly matched to the V8 engine. A ZF 6-speed automatic gearbox is optional, which comes standard with paddle shifts behind the steering wheel. Both transmissions retain Spyker's trademark exposed gear change mechanism

Suspension & Wheels

The C8 Aileron is fitted with a brand new front and rear independent double-wishbone suspension system developed by Lotus. The new suspension system includes a new kinematic layout of the front and rear suspension, front and rear stabilizer bars, mono-tube dampers, coil over damper steel springs, anti-dive and anti-squat setup for improved handling properties. The suspension components are made of forged aluminum where possible, to keep the vehicle's unsprung weight as low as possible. Shock absorbers are placed vertically within the wishbones.

Source: Spyker Cars 2010