

SP//300.R



The future of motorsport. Today.





Introducing the Caterham Lola SP//300.R

It's always been about driving. The feeling of the car beneath you, inspiring you to push boundaries. The aggression of the acceleration and braking forces acting on your body. The satisfaction of placing the car with absolute precision. The way the car communicates with you, constantly feeding a stream of data to every sense, synapse and nerve ending. Only a true driver knows these feelings. This is driving.


Depuis toujours c'est une question de conduite. Ce sentiment d'avoir la voiture en dessous de vous, vous encourageant à repousser les limites. L'agression des forces d'accélération et de freinage agissant sur votre corps. La satisfaction de placer la voiture avec une précision absolue. La façon dont la voiture communique avec vous lorsqu'elle alimente tous vos sens, vos synapses et vos terminaisons nerveuses d'un flux continu de données. Seul un véritable pilote connaît ces sentiments... Ceci représente la conduite.

ケーターハム、それは運転の快楽を追求した車。その振動と騒音は、有無を言わずドライバーをその能力の限界にまで挑戦させてしまう。
アクセルとブレーキの力強さが全身に伝わる。確実な技術で車を制覇する満足感。体の隅々に次々とデータが送り込まれるような感覚はまるで車との会話。
真のドライバーだけが知るこの感覚こそがまさに「運転」と呼ぶにふさわしい。



British-engineered race technology

As with all Caterhams, the SP/300.R has first and foremost been developed as a true driver's car. It doesn't matter how fast a car is, if it isn't rewarding to drive it will never be truly thrilling. However, the SP/300.R fuses all of Caterham's core brand values such as durability, ease of use, practicality for racing and low maintenance costs with Lola's technologically advanced approach to research and development. Working alongside Lola Cars, we have the perfect alchemy of British engineering superiority and rich motorsport heritage to deliver a lightweight, minimalist product that amplifies Colin Chapman's Seven philosophy, yet conveys everything Caterham and Lola stand for today.



Lola-developed
aerodynamics
package

ATS centre-lock
Formula 3 wheels with
bespoke Cooper tyres

Lola-developed lightweight aluminium honeycomb monocoque chassis

MSA specification twin roll over crash protection hoops

Caterham supercharged Ford Duratec motor

Lola Formula 3 derived gearbox mounted rear suspension

Aero optimised exhaust port



Seven-piece lightweight polyurethane body system

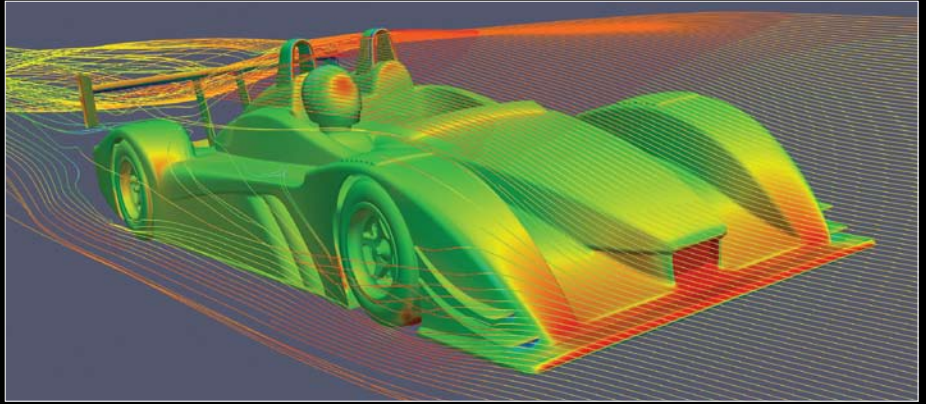
Integrated engine control and data acquisition module

This is driving

The Circuit de Spa-Francorchamps, Belgium. Home to the notorious Eau Rouge. The distracting wall of asphalt towers steeply above you, looming ever larger as you race towards it. It dominates your peripheral vision, filling the entire sky. You remain completely focused on the apex though; any slight hesitation will be punished along the eternity of the Kemmel straight. You sweep left then right with millimetre precision, going faster than you believed possible. The aerodynamics pin the car to the surface as the supercharger begins to impose its will on the laws of physics. Your inexorable acceleration towards 290kph continues unabated. The next corner begins to come into view. This is SP/300.R

Le Circuit de Spa-Francorchamps, en Belgique. Où réside le célèbre virage Eau Rouge. Cet immense mur d'asphalte qui se dresse devant vous, toujours plus menaçant à mesure que vous vous rapprochez. Il domine votre champ de vision, remplaçant le ciel dans son intégralité. Vous restez cependant concentré sur le point de corde ; chaque hésitation se payera le long de l'interminable ligne droite Kemmel. Vous enchaînez gauche puis droite avec une précision au millimètre, plus rapide que vous ne l'auriez jamais imaginé. L'aérodynamique colle la voiture au sol alors que le compresseur commence à imposer sa loi sur celles de la physique. Votre inexorable accélération vers les 300km/h se poursuit sans relâche. Le prochain virage apparaît au loin... Ceci représente la SP/300R.

ここはSpa、オー・ルーージュの故郷だ。アスファルトの塔が目の前にそびえ立ち、ドライバーはただApexに集中するのみ。一瞬のためらいで失速し、その後のストレートでの回復は夢のまた夢となる。ミリ単位でのハンドル操作がそのスピードを維持するためには欠かせない。エアロダイナミックが車体をアスファルトに押し付け、スーパーチャージャーがさらなる力を与える。終わりなき加速は300km/hにまで達し、次のコーナーが目前にせまる。それこそ、SP/300.Rである。



Technical specification

At the heart of the SP/300.R is an extensive technical specification which unlike many racing cars includes a very comprehensive list of standard equipment with no hidden costs or expensive extras required.

Standard specification includes:

Engine	Supercharged Ford Duratec 2.0L
Max Power	305PS @ 7500rpm
Push-to-Pass Power	335PS @ 7800rpm
Max Torque	290Nm @ 7500rpm
0-60mph (claimed)	2.8s
Top Speed	290kph
Wheelbase	2600mm
Overall Length	4200mm
Overall Width	1700mm
Height	1015mm
Downforce	450kg @ 250kph
Weight	545kg

Powertrain

- Caterham supercharged Ford Duratec 1999cc
- Rotrex supercharger with charge air cooling
- Aero optimised induction
- Uprated conrods, pistons and bearings
- Dry sump oil system
- High efficiency ducted cooling system (40°C ambient)
- Aero optimised high level ducted quiet exhaust
- Hewland FTR six speed sequential gearbox
- Shiftec paddle shift system
- Dual plate sintered clutch
- Limited slip differential

Suspension

- Adjustable pushrod activated coil-over spring-dampers
- Adjustable anti-roll bars front and rear
- Lola Formula 3 gearbox mounted suspension

Chassis and Body

- Lola-developed aluminium honeycomb monocoque chassis
- Seven-piece lightweight polyurethane body system
- Lola-developed aero package, including:
 - Adjustable carbon rear wing
 - Composite front splitter
 - Composite rear diffuser
 - Aero optimised dive planes
 - Three stage downforce configuration
- Quick lifting onboard air jack system
- Left or right hand drive
- Schroth six point harnesses
- MSA specification twin roll over protection hoops
- MSA specification front crash structure
- FIA approved fuel cell with external filling point

Braking System

- AP Racing braking system
- AP Racing adjustable pedal box

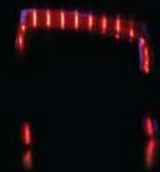
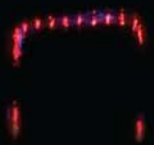
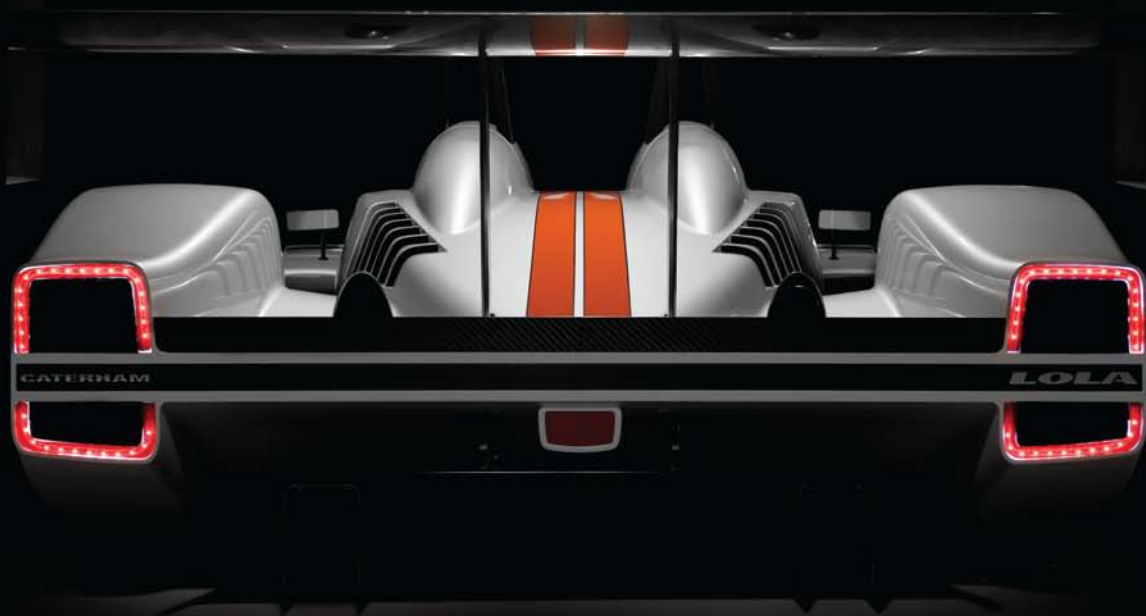
Wheels and Tyres

- ATS centre-lock Formula 3 wheels 9x13 and 10.5x13
- Cooper Formula 3 size bespoke slick tyres

Electronics

- Front low/high beam lights with permanent LED running lights
- Rear LED running lights with integrated brake lights
- High-intensity rain light
- Pectel engine and gearbox management system with integrated data logging
- Momo steering wheel with integral driver display system

The perfect alchemy of British engineering superiority
and rich motorsport heritage that conveys everything
Caterham and Lola stand for today.





Caterham South

Station Avenue
Caterham
Surrey
CR3 6LB

Tel: +44 (0)1883 333700
Email: sales@caterham.co.uk

Caterham Midlands

The Knoll
Leicester Road
Earl Shilton
Leicester
LE9 7TJ

Tel: +44 (0)1455 841616
Email: midlands@caterham.co.uk

Caterham Factory

Caterham Cars Limited
Kennet Road
Dartford
Kent
DA1 4QN

Tel: +44 (0)1322 625800

International Enquiries

Tel: +44 (0)1883 333700
Email: export@caterham.co.uk



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www.caterham-spr.com

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