



PESCAROLO 02  
coupe

## SORA RACING is proud to introduce its new PESCAROLO 02 COUPE

The PESCAROLO 02 COUPE is a sport prototype car for endurance racing.

The teams that will be running the PESCAROLO 02 COUPE racecar will benefit from the SORA RACING customer service. This will include trackside spares supply and engineering support such as SIMULATION CENTER, technical support and direct contact with our team of engineers.



### Monocoque :

The driver cell is developed according to the FIA CN regulation regulations with improved safety, visibility and driver comfort.

The monocoque is also according to the LMP safety regulation (crash test 1300kgs, statics and dynamics load tests). The lightweight design was optimised to achieve a high torsional and longitudinal stiffness, the roll cage is in 15CDV6 steel.

An extensive mock-up program took place to verify ergonomics and driver accessibility..

### Engine :

- Rear central position
- GM type V8 LS3 – power 360 hp – Max Torque 620 Nm

### Transmission :

- Rear wheel drive
- SADEV Gearbox 6 speed sequential, limited slip differential, clutch tri steel discs D140

### Chassis :

- Monocoque carbon « SORA Composites » type LC4 + crashbox
- Front suspension: Double wishbone anchored on chassis, pushrod, Olhins dampers and anti-roll system fixed on the front of the chassis
- Rear suspension: Double wishbone anchored on the Gearbox casing, pushrod, Olhins dampers
- Front/Rear tyres: 18" Rim
- Brembo braking system



### Dimensions and weights :

- Unladen Weight : 840 kg
- Weight distribution (Front/Rear) : 45%/55%
- Length : 4 360 mm
- Width : 1 900 mm
- Height : 1 090 mm
- Wheelbase : 2 710 mm
- Ground clearance : 70 mm
- Fuel Tank capacity : 100 l FIA FT3

### Aerodynamics :

- Fiber glass bodywork
- Adjustable carbon rear wing
- CFD simulation aerodynamics
- Quick release system for front and rear bodywork assemblies

### Electronics system :

- Pectel ECU/GCU management
- Pneumatic paddle shift with full adjustable strategy
- Full colors dash board
- 2 battery Redtop
- Electric looms aeronautic spec.
- Motec PDM power management
- Extra-measure way available
- Datas Acquisitions System
- Carbon steering wheel
- Fly by wire
- Membran Switchs Panel Cosworth 20 switches

**The car is equipped with electrical boxes and looms (mounted to the monocoque), a light system with xenon headlights, rear brake and rain lights, indicators, windscreen wiper.**

### Options :

- Datas Acquisition System with:
  - Steering angle
  - Throttle position
  - Brake pressure
  - GPS
- Airjack system
- ATL fuel coupling system (both side)
- Engine power 430hp
- Double flap rear wing
- Traction control
- Torque control for downshift
- Special brake pads
- Sealed engine for same performance balance

### Documentation :

Our documentation system allows access to all necessary technical infos :

- Assembly manuals
- Technical instructions and guidelines
- Spare parts catalogue with cost capped parts prices.



Sora Composites  
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FRANCE

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