

GP2 Series Technical Regulations are, simply, that each car is to be run as specified by the GP2 / 08 details below. No individual developments or upgrades are permitted and all structural parts must be repaired by Dallara.

Front suspension:

Double steel wishbones, pushrod operated, twin dampers and torsion bars suspension.
Adjustable ride height, cambers and toe.
Two way adjustable Koni dampers.
Adjustable anti-roll bar.

Monocoque and Bodywork:

Survival cell – Sandwich Carbon/aluminium honeycomb structure made by Dallara.
Front and rear wing – Carbon structures made by Dallara
Bodywork - Carbon – Kevlar honeycomb structures made by Dallara

Steering system:

Non assisted rack and pinion steering system.
XAP steering wheel with dashboard, marshalling display, gear change and clutch paddles.

Brakes:

6 pistons monobloc Brembo callipers.
Hitco carbon-carbon brake discs and pads.

Fuel cell:

FIA Standard.
Premier FT5 125 litres.

Engine:

Designed by Renault – Assembled, maintained and rebuilt by Mecachrome
V8 – 4 litre atmospheric – 600 HP @ 10.000 rpm.
8 in 1 exhaust.
Fly by wire accelerator system.
Rebuild after 4000 to 4500 km.

Gearbox :

6 speed longitudinal sequential gearbox.
Electro-hydraulic command via paddle shift from steering wheel.
AP Carbon clutch.
No on-board starter, anti stall system.
Non hydraulic ramp differential.

Electronic features:

Magneti Marelli Marvel 8 ECU/GCU including data logging system.
XAP power supply management unit.
CAN data acquisition pre-equipment.
F1 EM motorsport Marshalling system.
Beacon receiver.

Rear suspension:

Double steel wishbones, pushrod operated, twin dampers and spring suspension.
Adjustable ride height, cambers and toe.
Four way adjustable Koni dampers.
Adjustable anti-roll bar.

Wheels and Tyres

F1 standard wheel dimensions
OZ magnesium rims
GP2 series specific Bridgestone slick tyres.

Safety standards:

FIA F1 safety standards including
Front, side, rear and steering column impact tests.
Front and rear roll hoop, impact structures and monocoque push tests.
Anti-intrusion survival cell protection panels.
Wheel retainer safety cables.

Camera equipment:

Roll hoop, nose cone and face shot camera pre-equipment.

Dimensions:

Overall length 4867 mm
Overall width 1805 mm (bodywork 1500 mm)
Overall height 1047 mm (including FOM roll hoop camera)
Wheelbase 3120 mm
Overall weight 688 kg (driver on-board)

Performances:

Acceleration 0 - 100 km/h 2.90 sec.
Acceleration 0 – 200 km/h 6.60 sec
Maximum speed 328 km/h (Monza aero configuration)
Max. braking deceleration -3.5 G
Max. lateral acceleration +/- 3.6 G