



TECHNICAL REGULATIONS 2026

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This text is written in the form of authorisation; therefore, anything not expressly stated is prohibited.

1: Definition of Authorised Vehicles

The **Challenge Monoplaces Passion by Pirelli** is open to **single-seaters and saloon cars** designed for **closed-circuit sprint racing**.

They must comply with their **original configuration**.

Failing this, a request must be submitted to **Monoplaces Passion** and will be subject to **approval by the Technical Scrutineers**.

2: Authorised or Mandatory Modifications and Additions

Any evolutions compared with the original technical regulations of the single-seaters are detailed in the various sections of the present regulations.

Anything not explicitly authorised in the present regulations or in updates issued by the organising body is **strictly prohibited**.

3: Ride Height and Minimum Weight

Single-seaters must comply with the following **ride heights and minimum weights**, at all times during the event and particularly **immediately after qualifying practice and races**, under **parc fermé conditions**, i.e. in the condition in which they finished running and **without any intervention whatsoever**:

- **Minimum weight without driver and equipment / with driver on board:**
480 kg for FR2000 – free ride height
505 kg for FR2.0 – free ride height
- **Minimum weight without driver and equipment / with driver on board:**
450 kg for F4 – free ride height
- **Minimum weight without driver and equipment / with driver on board:**
XX kg for Formula Master – free ride height
- **Minimum weight without driver and equipment / with driver on board:**
XX kg for F3R – free ride height
- **Minimum weight without driver and equipment / with driver on board:**
XX kg for F3 – free ride height

The addition of **ballast**, mechanically fixed to the chassis, is permitted.

In case of doubt, the **Technical Scrutineers** may require the **fuel tank to be drained**; fuel may **not** be considered as ballast.

4: Engine

Only engines **originally fitted** to each vehicle category are authorised.

Failing this, a request must be submitted to **Monoplaces Passion** and approved by the **Technical Scrutineers**.

In case of doubt regarding conformity, engines may be **sealed and inspected** by the Technical Scrutineer.

5: Transmission

5.1: Gearbox

Only gearboxes **originally fitted** to each single-seater category are authorised.

Only cars originally designed to allow **gear ratio changes** are permitted to change gear sets:

- **Short, medium and long ratios** for **FR2000**;
- **7th gear only** for **FR2.0**.

Mixing gear ratios is **prohibited**.

The **final drive ratio must remain original**.

5.2: Driveshafts

Free.

6: Suspension

All suspension components must be made of **steel or ferrous materials**, with the exception of:

- hubs,
- springs,
- hub adapters,
- upright carriers,
- bearings and bushes,
- spring seats,
- fixing nuts,
- anti-roll bar links,
- damper bolts and nuts.

Dampers are **free**, however the use of **light alloy damper bodies is prohibited**, unless specified in the vehicle's original homologation.

7: Wheels and Tyres

Mandatory use of tyres with the following **brand, dimensions and types**:

- **FR2.0 / FR2000 / F4:**
PIRELLI P ZERO – TYPE DM, supplied by **IVALTO**, tyres must bear the **IVALTO logo**
Dimensions:
 - Front: **20/54R13**
 - Rear: **25/57R13**
- **MASTER / F3R / F3:**
PIRELLI P ZERO – TYPE DM, supplied by **IVALTO**, tyres must bear the **IVALTO logo**
Dimensions:
 - Front: **23/57R13**
 - Rear: **30/59R13**

Wet tyres must be of the **same brand and dimensions** and bear the **IVALTO logo**.

A **maximum of one new set of tyres per meeting** is authorised.

8: Braking System

Must comply with the **original vehicle specification**.

The braking system must comprise **two independent circuits** (front and rear), operated by **two master cylinders in parallel**, actuated by a **balance bar**, which must operate either circuit in the event of a leak.

Brake assemblies must comply with **FIA/FFSA regulations**.

9: Exterior Bodywork

Bodywork materials must be **identical to the original materials**.

Any device intended to increase **aerodynamic downforce** is prohibited unless provided for in the vehicle's **original homologation**.

10: Vehicle Interior

No **oil or water lines** may be routed inside the **cockpit**.

11: Additional Accessories

11.1: Engine Cooling System

The shape, location and capacity of the water radiator(s) are **free**.

If radiators are integrated into the bodywork and supplied by an air intake or duct, this must comply with the **bodywork regulations**.

Water lines must be:

- either **flexible hoses protected by a steel casing** where vulnerable;
- or **pressure- and temperature-resistant hoses**.

11.2: Oil Catch Tank

The oil breather may be modified or removed; however, all breathers must be connected to a **catch tank**.

The catch tank must be **translucent** and have a **minimum capacity of 1 litre**.

11.3: Oil Tank

In the case of a **dry sump installation**, the oil tank must be surrounded by a **deformable structure at least 10 mm thick** if located outside the main chassis structure.

11.4: Ballast

Ballast may be used to achieve the required weight, provided it consists of **solid, unitary blocks**, fixed using tools and allowing the application of **seals**, should the scrutineers deem it necessary.

Ballast fixing bolts (rounded or domed socket-head bolts protruding beneath the flat floor) shall **not be taken into account** during ride height checks.

11.5: Transponder

Single-seaters must be equipped with a **homologated timing transponder** for the event concerned, installed on the **right or left side of the vehicle**, at the height of the **front wheel axis**.

12: Electrical System

Battery type and location are **free**.

If the battery contains liquid, it must be housed in a **sealed container**.

The battery must be capable of starting the engine; an **auxiliary battery** may be used for starting on the grid.

The battery must be **securely fixed to the chassis**.

13: Lighting System

A **rain light** must be fitted to single-seaters and directed rearwards when weather conditions require its use.

A **red LED rear warning light**, compliant with **FIA regulations (List No. 19)**, must be operable by the driver when visibility is reduced.

14: Fuel System

14.1: Fuel Tank

Fuel tanks located outside the chassis must comply with **FIA FT3 specifications**.

In-board tanks with **fire-resistant protection** are permitted for races under **70 km**; however, **FT3 tanks are strongly recommended** even in this case.

The validity period of FT3 tanks is **5 years**, renewable once for **2 additional years** after inspection by the manufacturer.

Tank capacity is **free** for FT3 tanks and limited to **41 litres** in other cases.

14.2: Fillers and Vents

Fuel fillers and caps must not protrude from the bodywork and must be located away from vulnerable areas.

Caps must be designed to prevent **accidental opening** in the event of impact.

The vent system must:

- exit at least **25 cm behind the cockpit**;
- be kept clear of the ignition system;
- be fitted with a **non-return valve**.

Under no circumstances may the **roll hoop** be used as part of the vent system.

14.3: Fuel Lines

Fuel lines must be **metallic** or **reinforced flexible hoses** with steel braid or pressure- and temperature-resistant internal/external layers.

Routing **fuel or oil lines through the cockpit is prohibited**.

15: Safety

15.1: Driver

Refer to the “**Regional Equipment Safety Table**”.

15.2: Roll Bar / Roll Hoop

Mandatory.

Minimum height measured along the driver’s spinal axis must be **92 cm**, and in all cases must extend at least **5 cm above the driver’s helmet** when seated normally.

Installation of a roll bar at dashboard level is strongly recommended.

15.3: Mirrors

Rearward vision must be ensured by **two effective mirrors**, one on each side of the bodywork.

15.4: Fire Extinguisher

An **on-board fire extinguisher system**, armed and within validity, compliant with **FIA Technical List No. 16**, with homologated “**E**” sticker.

15.5: Fireproof Bulkhead

A **metallic fireproof bulkhead** between the cockpit and the engine compartment is mandatory.

15.6: Master Switch

A master electrical cut-off switch is **mandatory**, operable both by the belted driver from inside the car and from outside, and marked with the approved “**Master Switch**” sticker.

15.7: Warning Light

A **red LED rear warning light**, compliant with **FIA regulations (List No. 19)**, must be operable by the driver in reduced visibility conditions.

15.8: Headrest

A **headrest is mandatory**.

15.9: Wheels and Tyres

Tyre valves must be fitted with **valve caps at all times** during the event.

New tyres are **not mandatory** for all single-seaters; however, competitors undertake to ensure that tyre wear is sufficient to complete the entire meeting safely.

For the **Challenge Single Seater**:

- **FR2.0 / FR2000 / F4:**
Pirelli Type DM tyres with **IVALTO logo**
Front: **20/54R13** – Rear: **25/57R13**
- **MASTER / F3R / F3:**
Pirelli Type DM tyres with **IVALTO logo**
Front: **23/57R13** – Rear: **30/59R13**

A **maximum of four tyres per meeting** is authorised.

These tyres must be **registered during technical scrutineering** on a dedicated form and reused at the **following meeting for free practice**.