

# **MONOPOSTO RACING**

## **Class Specification**

### **Formula Junior**

**December 2016**

# FORMULA JUNIOR

## I. DEFINITION

A Formula Junior car is built from 1958 through 1963, conforming to the FIA Regulations of that time and to current Monoposto Racing Regulations.

## II. GENERAL CHARACTERISTICS

Minimum wheelbase: 2000 mm. Minimum track: 1100mm.

Maximum body width: 950 mm. [measured outside]

Maximum engine capacity: 1100 cc.

Minimum weight: 882 pounds as qualified or raced without driver.

## III. MECHANICAL COMPONENTS

A. The engine, including cylinder head, must be of a type used in a car classed by the FIA in the touring category built before December 31, 1963. Number and position of parts must be as the original touring car.

B. The gearbox must be that of an FIA recognized touring car built before December 31, 1963. Complete freedom is left with regard to the number and staging of ratios. For additional gearbox information see Race Classes.

C. Brakes must be original as specified by constructor for that model. Updated brake systems acceptable if utilized by same constructor for late type Formula Junior chassis [may change class].

D. The system and principle of aspiration must be the same as the car from which the engine is taken.

E. The cylinder capacities specified in the regulations may be

achieved only by modifying the original bore.

F. The car must have an electric starter.

G. Wheels should be of original size. Non-original wheels must conform to the general aesthetic outline of the vehicle.

H. Tires

#### **TIRES MAKE SIZE/FRONT COMPOUND SIZE/REAR COMPOUND**

13" wheels Dunlop 450L-13 CR65 204 550L-13 CR65 204

15" wheels Dunlop 450L-15 CR48 204 500L-15 CR65 204

12" wheels Dunlop 450L-12 CR65 204 450L-12 CR65 204

14" wheels Dunlop 550L-14 CR65 204 550L-14 CR65 204

Rain tires not allowed. Additional grooving or hand-cutting are not allowed.

#### **IV. CHASSIS**

The chassis frame must follow the original design but local stiffening is permitted. Suspension shall not be adjustable unless originally manufactured in this form. Shock absorbers shall be maximum two-way adjustable and shall not have remote reservoirs.

#### **V. BODY**

An open single seater conforming to the original design with permissible modifications restricted to replacement panels of alternative materials.

#### **VI. PROHIBITIONS**

It is not permitted:

- A. To use an engine with one or more overhead camshafts.
- B. To use a self locking torque biasing, limited slip or locked differential or any form of locked axle.
- C. To change the number of crankshaft bearings.
- D. To change the location of the camshaft.
- E. To modify the stroke.
- F. To change the type or make of engine originally fitted.
- G. To display any advertising decal other than the car manufacturers official emblem, or that of a series or race sponsor.
- H. To change the location of the ports in the cylinder head.

## **VII. EXCEPTIONS**

It is permitted to strengthen the chassis as required to support roll bars, seat belt anchors, fire bottles, or any other equipment which increases the safety factor of the vehicle.