



# ROTAX MICRO/MINI MAX GRAND FESTIVAL

## TECHNICAL REGULATIONS

(THIS IS JUST A RESUME OF THE OFFICIAL TECHNICAL REGULATIONS PUBLISHED IN SPANISH AND  
APPROVED BY FPAK)

CATEGORIES: ROTAX MICRO MAX and MINI MAX



**Important note:** This document is just a resume of the Technical Regulations for this event. This is not the official Technical Regulations. The official one is the Spanish version approved by FPAK.

Korridas & Companhia, as an authorized distributor for ROTAX kart products is the organizer of the **ROTAX Micro/Mini MAX GRAND FESTIVAL 2011** (FESTIVAL ROTAX MICRO/MINI MAX 2011), an event which will take place on August 26, 27 and 28, 2011 at the Kartodromo de Viana do Castelo (Portugal).

### 1. REGULATIONS APPLIABLE

1. Sporting Regulations for the meeting approved by FPAK.
2. This Technical Regulation.
3. RMC Technical Regulations 2011, appendix for 125 Mini MAX and 125 Micro MAX (version 10.02.2011 – revision acc Bulletin 1-2011/15.03.2011)
4. Karting Technical Regulations 2011 from FPAK
5. Karting Sporting Regulations 2011 from FPAK
6. C.D.I.

### 2. EQUIPMENT AND WEIGHT

#### 2.1 Equipment

One engine and one chassis in each category.

Only the engine and the accessories supplied by the organizer and raffled at the Grand Festival are allowed to be used.

#### 2.2 Weight

Minimum weight for Micro MAX: **110 kg**

Minimum weight for Mini MAX: **135 kg**

### 3. CHASSIS

#### 3.1. Micro MAX

Only Cadet chassis homologated by an ASN and fulfilling the following items are allowed:

- Wheel base: 950mm (+/- 5mm)
- Chassis frame: according article 2.3.3 of CIK Technical Regulations
- The number of main tubes is 6.
- Diameter of main tubes has to be 28mm.
- Overall width 1.200 mm.
- Eccentrics for the stub axles are allowed
- No hubs allowed on the front wheels
- Diameter of rear axle has to be 30 mm and must be out of magnetic steel. Thickness of the rear axle minimum of 4,9 mm and maximum of 5,2 mm
- Maximum width of rear axle is 1.060 mm
- Rear axle with 2 support points
- Rear protection made of hollow plastic.
- Bodywork according article 2.7 of CIK Technical Regulations (but not homologated by CIK-FIA).
- Break system: mechanical or hydraulic system, working on the rear wheels only.
- Brake disk: Magnetic steel only.
- Chain guard: according article 2.9 of CIK Technical Regulations.
- Maximum and minimum width of rims with the tyres mounted.  
Front: maximum 125 mm, minimum 115 mm  
Rear: maximum 150 mm, minimum 140mm

#### 3.2. Mini MAX:

- Chassis with a valid CIK-FIA homologation only are allowed
- Chassis tubing: Round tubing only.
- Maximum diameter of rear axle = 50 mm, minimum wall thickness according to CIK-FIA rules.
- Any brake system must have a valid CIK-FIA homologation.
- Front brakes are not allowed.
- Bodywork with valid CIK-FIA homologation only is allowed, including the rear wheel protection system.

#### 3.3. Composite materials

Composite materials (carbon fiber etc.) are banned except for the seat and the floor tray. Alloys from different metals/substances are not considered as composite materials (for example brake disks)

### 4. Tyres

#### 4.1. Number of tyres provided for the event

The organizer (Korridas) will supply free of charge a set of the respective tyres per category for the free practice and another set of tyres for the race (according time schedule).

Only the following tyres are allowed:

#### Micro MAX

Dry and wet: **Mojo CX** (4.0x10.0-5 front /5.0x11.0-5 rear)

#### Mini MAX

Dry: **Mojo D1** (4,5x10,0-5 front /7,1x11,0-5 rear)  
Wet: **Mojo W2** (4,0x10,0-5 front /6,0x11,0-5rear)

One set of wet tyres Mojo W2 for the Mini MAX category will be handed out just in case of rain for the race. For the free practice rain tyres are available for purchase.

#### 4.2. Tire treatment

The use of any chemical tyre treatment is not allowed.

#### 4.3. Tyre control

1. With bar code reader at the entrance to service park.
2. Chemical control, by means of the MiniREA Lite PID device at the pre-grid.
  - 2.1. A value, equal or greater, than 4,0 ppm means disqualification from the event.

### 5. Engines

5.1 The engines allowed for each category are:

**Micro MAX:** ROTAX 125 Junior MAX (engine configuration Micro MAX)

**Mini MAX:** ROTAX 125 Junior MAX (engine configuration Mini MAX)

- All engines have been checked and sealed by the manufacturer. Removing the seal means that the driver will not be allowed to proceed in the event.

5.2 Each engine will be raffled (according the time schedule). Only this engine and the accessories provided for the event are allowed to be used.

5.3 In case of a technical problem only the technicians of BRP-Powertrain (Rotax) are allowed to evaluate/repair and re-seal the engine.

### 6. TECHNICAL SPECIFICATIONS

#### 6.1 Micro MAX

##### 6.1.1 Carburettor settings:

- Floats: 3.6
- Internal idle jet: 60
- External idle jet: 60
- Venturi marked 8.5 (as supplied)
- Jet needle K98

During the first session of the free practice ( according to the time schedule) only main jet 160 is allowed. Not following this rule means that the driver will not be allowed to participate on the second and third free practice session.

##### 6.1.2 Exhaust restrictor: as supplied by the organizer (ROTAX part no. 273972)

- Only one exhaust gasket (ROTAX part no. 250271) is allowed to be used.
- The exhaust restrictor must be fixed tight to the cylinder at any time.

##### 6.1.3 Inlet restrictor:

- Stop sleeve (ROTAX part no. 251 730) fitted in the carburettor according to international RMC Technical Regulations
- Carburettor cover has to be fully screwed on to the carburettor body (just one original rubber gasket is allowed in the carburettor cover) and has to be fixed in this position by means of the stop plate (ROTAX part no. 251 790) at any time of the event.

##### 6.1.4 Transmission:

- Front sprocket :13 teeth's
- Rear sprocket: minimum 63 teeth's

##### 6.1.5 Exhaust: sealed by BRP-Powertrain. Removing means the following:

- During the free practice sessions on Friday , the 26<sup>th</sup> August means that the driver will not be allowed to participate in any other session of the free practice.
- During the saturday ( 27th August 2011) and Sunday ( 28th August 2011) means that the driver will not be allowed to proceed in the event.

#### 6.2. Mini MAX

##### 6.2.1 Carburettor settings:

- Floats: 3.6
- Internal idle jet: 60
- External idle jet: 60
- Venturi marked 8.5 (as supplied)
- Jet needle K98

During the first session of the free practice ( according to the time schedule) only main jet 162 is allowed. Not following this rule means that the driver will not be allowed to participate on the second and third free practice session.

##### 6.2.2 Exhaust restrictor: as supplied by the organizer (ROTAX part no. 273972)

- Only one exhaust gasket (ROTAX part no. 250271) is allowed to be used.

- The exhaust restrictor must be fixed tight to the cylinder at any time.

##### 6.2.3. Inlet restrictor: as supplied by the organizer (ROTAX part no. 267530).

##### 6.2.4 Transmission:

- Front sprocket : 13 teeth's