



SARMC SUPPLEMENTARY TECHNICAL REGULATIONS 2022

These regulations are to be read in conjunction with the Global RMC Technical Regulations

Version 2 – 25.02.2022

The 2022 Global RMC Technical regulations (www.rotax-kart.com) apply with only the exceptions or additional regulations and clarifications being specified herein.

1. Chassis

Any CIK or Rotax DD2 approved chassis. All previously homologated chassis used in South Africa prior to 2022 are still eligible to race subject to the bodywork and bumpers conforming to current specifications.

2. Engines

Global RMC Technical Specification of ROTAX engine type 125 MAX and DD2 for 2022 apply as published on www.kart.co.za or www.rotax-kart.com. Long periods between engine rebuilds allows an effective sealing system for 125 MAX engines. Only engines sealed by the “Authorized Southern African ROTAX Distributor” (Ed Murray Racing cc) and their Authorized “ROTAX Service Centers” are allowed in SARMC events. These engines are sealed after carefully checking the engine according to the ‘Global RMC Technical Regulations for the ROTAX 125 MAX’ engine which you can find on our homepage www.kart.co.za. Special ROTAX seals (black anodized aluminum seal with “ROTAX” logo and a 6-digit number/barcode) with a steel cable must be used. At scrutineering the driver must present the engine with an undamaged seal. This procedure helps to reduce scrutineering times at races. Nevertheless, it is possible to open and re-check the engines by Scrutineers before or after the race in case of a protest and reseal the engine after checking it step by step by staff of the “Authorized ROTAX Service Centre or Distributor” according to the “Technical Specification”.

3. **MICRO MAX Only** – Please note at regional events if a silver casing (Pre-EVO) is used it is mandatory to fit a 0.8mm thick ROTAX 431500 Ignition Pick Up Gasket. It is mandatory to use EVO casings at National events.

MICRO MAX Only – It is compulsory to install 2 x 104535 EMR Reed Ballasts. These plates are to be installed between the reed petal and the reed stopper. This must be fitted to all Micro Max motors but is not permitted in any other class. Please remember to remove this when upgrading an engine to Mini Max or other class.

4. **Only engines** imported by EMR and those registered by agreement with EMR before 1 January 2013 will be permitted.

5. Cylinders

5.1. New style 3D digitally printed core type cylinders (all classes)

Only cylinders stamped and registered by EMR are legal.

5.2. Older Junior Max Cylinder

Old Cylinders - only Rotax cylinders with alphabet lettered markings are permitted. Cylinders with markings showing the year of casting are no longer permitted. There will be no exceptions.

6. Squish measurements

Should any dispute over the accuracy of a minimum squish measurement as per international rules arise, the following method will be used to make a final decision: the squished solder is to be measured using a cylinder type micrometer after trimming the burr from the squished solder. This measurement is taken at a point 1mm from the trimmed end. The average of the two readings (left and right side) taken this way

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will be final and no tolerance will be allowed.

7. **Mini and Micro Max**

Rear track: The maximum overall width is **110cm** measured to the outermost face of the rims or tyres, whichever is the greater.

The permitted width of rims shall be: - (maximum measurement to inside of rim flange, minimum measurements to inside of rim flange): Front Maximum **11.5 cm** / Rear Maximum **15.0cm** Minimum **13.0cm**

8. **Gearing**

	Micro Max	Mini Max
EL / iDube / PE / Zwartkops	14:74-76	13:79-81
Cape Town / FK / Vereeniging	14:69-71	13:74-76

9. **Master Max**

Engine EVO as per 2022 Rotax Global Technical Regulation published on www.kart.co.za website or Pre-2015 (non-EVO) engines are also allowed subject to them complying with the period regulations and being sealed by an authorized Rotax Service Centre. NB! If you use the EVO ignition system, it is compulsory to use the appropriate power valve. If an old type carburetor is used all the components must be the correct spec for that model of carburetor. If in doubt, please ask.

10. **Tyres**

Junior Max will race on Mojo D5 CIK Prime.

Mojo W2, W3 and W5 are permitted.

As in Bambino it is permitted in Micro Max to use a heat gun or other means to remove rubber in between races. This may not be abused to pre heat tyres before a race and any competitor presenting on the prerace grid with hot tyres will not be permitted to start until sufficient water has been poured over the tyres to cool them down. NB the organizers at various circuits have limited power supply so you are urged to bring your own generator if you intend using a heat gun.

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