



# 2021

## MSA National Standing Supplementary Regulations

### Kid ROK Category Specific Regulations



Version 1

04 March 2021

Ref: 162456

## REVIEW AND AMENDMENTS

Motorsport South Africa (MSA) will periodically review these rules and will present the revised version to all members for agreement to publish the updated version.

Amendments and updates to the rules will be recorded in the Amendment Record, detailing the updated version, date of approval of the amendment and a short summary of the amendment.

## AMENDMENT RECORD

<i>Modified SSR / ART</i>	<i>Date applicable</i>	<i>Date of Publication</i>	<i>Clarifications</i>

## Contents

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## **1. GENERAL**

These Regulations are to serve as guidance in regards to technical compliance of the competition equipment used for participation and the running of the particular competition.

## **2. DEFINITIONS**

- 2.1 Chassis – complete kart as supplied from the registered importer excluding the engine.
- 2.2 Engine – complete power unit as supplied by the importer including exhaust, carburettor and air box. Excludes wiring harness.

## **3. CHASSIS**

- 3.1 **Only chassis permitted as per MSA Karting Handbook section 23.1 and 25 section vi**
- 3.2 **Chassis is to be raced as supplied by the OEM**
- 3.3 **Axles**
  - 3.3.1 Axle diameter (not allowed to be changed) – Maximum External diameter = 30mm
  - 3.3.2 Minimum axle wall thickness = 4.9mm at all points except the key housings
  - 3.3.3 Axle Length = 960mm +/- 10mm
  - 3.3.4 Axle Mass = 2900g +/- 100g.
  - 3.3.5 The rear axle used on the chassis does not have to come from the same manufacturer as the chassis itself.
  - 3.3.6 Maximum rear width including rims and tires fitted = 110 cm
- 3.4 **Rims**
  - 3.4.1 The permitted width of rims shall be:
    - a) Front Maximum 11.5 cm
    - b) Rear Maximum 15.0cm Minimum 13.0cm
  - 3.4.2 Rims used does not have to come from the same manufacturer as the chassis itself.
  - 3.4.3 The maximum diameter of rims shall not exceed 5 inches (126mm)
- 3.5 **Tyres**
  - 3.5.1 The use of any sort of any artificial heating devise to pre-heat tyres, or tyre treatment, including the use of heat guns is strictly forbidden for removal of access rubber.
  - 3.5.2 The organizers reserve the right to replace one or more of any competitor's tyres, with a substitute tyre, should they believe such action to be warranted.
- 3.6 **Sprockets**
  - 3.6.1 Front sprocket = T10.
  - 3.6.2 Only rear sprockets permitted is:
    - a) T86: Celso Scribante, East London, Idube
    - b) T83: Formula K, Killarney, Vereeniging, Zwartkops

## **4. ENGINE**

- 4.1 Only engine permitted is as per the Equipment homologated for the class with MSA
- 4.2 No type or form of modifications is allowed to the engine or any other parts. This include fuel supply, carburettor, ignition etc.
- 4.3 Minimum allowable combustion volume = Refer to technical specification sheet
- 4.4 In the case that the sealing of engines will be declared for the event, before qualifying every competitor must have their engines sealed by the Technical Consultant.
- 4.5 In the case that sealing of engines is not declared, conventional marking of engines will be done after qualifying.
- 4.6 Unless stated otherwise each driver will be allowed to use two engines per race. Both

engines MUST be sealed at sporting check or in any case before qualifying.

- 4.7 Both engines need to be presented for scrutineering.
- 4.8 When a competitor elects to use his second engine during competition the first engine used must be handed in at parc ferme to the Technical Consultant prior to the start of the competitor's next race.  
Note: Engines handed in to the Technical Consultant will be subject to technical checks.
- 4.9 The use of a fuel return line is not permitted for all competitions. No break allowed in fuel line between tank to fuel pump except for the fitting of a fuel filter.
- 4.10 No exhaust or cylinder temperature measuring devices allowed to be used during competition.
- 4.11 Competitors need to ensure that clutches and clutch drums are free from oil, grease or any other lubricants.
- 4.12 Refer to the engine specification sheet for technical specifications and carburation.
- 4.13 Spark Plug: The only plug allowed is a NGK B10EG.