

2023 SUPER 100 TECHNICAL REGULATIONS

PRE95 & PRE2000

These regulations must be abided by, together with the 2023 SPORTING REGULATIONS.

9.1 **AGE:** Pre 95 & Pre 2000: After 15th Birthday

9.2 **Chassis:**

9.2.1 Pre 95 - Any chassis that was first homologated during the 1994 homologation period, or any other earlier homologation.

Pre 2000 - Any chassis that was first homologated during the 1997 homologation period, or any other earlier homologation.

There is no lower age restriction limit on the chassis.

9.2.3 For chassis manufactured within the homologation period, but do not exactly match the homologation papers, there must be period evidence (photos or video for example), to support its validity.

9.2.4 Chassis must be complete. No removal of chassis parts i.e. bearing hanger, 4th rail , etc. Original chassis only.

9.2.5 Re-manufactured and replica chassis are not allowed.

External chassis rails must be original. Repairs to cracks are permitted but the rail must retain its original shape and position with original mounting points for seat stays, cross members , etc.

9.2.6 Only body work from the period is permitted.

9.2.7 Front stub axle's maximum diameter 17mm.

9.2.8 Maximum of four additional seats stays - two either side.

9.2.9 Pedals are free choice.

9.2.10 Magnesium parts are permitted.

9.2.11 Pre95 - Maximum front axle width must not exceed 1150mm.
Pre2000 - Maximum front axle width must not exceed 1220mm.

9.2.12 Pre 95 - Maximum rear axle diameter must not exceed 40mm.
Pre 2000 - Maximum rear axle diameter must not exceed 50mm.

9.2.13 It is permissible to make a single cut through the 4th chassis rail.

When the 4th chassis rail is permanently fixed by design, the rail must not be removed.

9.2.14 Only non-metallic protectors may be used for chassis, sprocket or brake disc.

9.2.15 Ackerman steering and period castor camber kits are permitted.

9.3 **Engines:**

9.3.1 Pre 95 - Engines used must be CIK homologated up to and including the 1992 homologation period.

Pre 2000 – Engines used must be CIK homologated up to and including the 1998 homologation period.

9.3.2 Reed or Rotary valve engines - Direct drive only.

- 9.3.3 Engines to have the original homologated stroke length.
- 9.3.4 Easy start head not permitted.
- 9.3.5 Engines to have their original homologated external appearance with the exception of broken bent or missing fins.
- 9.3.6 Air cooled engines only are permitted.
- 9.3.7 Original homologated connecting rod length must be used.
- 9.3.8 Engine capacity no larger than 106cc.
- 9.3.9 Only static, analogue ignition system by PVL, Selettra, Ital Sistem, Vering Ducati or Motoplat.
- 9.3.10 Digital ignition systems are not permitted.
- 9.3.11 External section of the reed cage OR where the reed petals attach to a one piece cage and stuffer assembly, that assembly MUST not be larger than 68mm in height.
- 9.3.12 Internal air filter may be used. Type free.
- 9.3.13 Ignition coil connections must be easily removable and not siliconed or tied into position.
- 9.3.14 HT lead must be from one single piece of cable from the CDi unit to the HT plug cap.
- 9.3.15 Repairs to fins and stud threads are allowed and at the scrutineers discretion.
- 9.3.16 A maximum of four engines may be used at any race meeting.
- 9.3.17 Liners are free selection. Evidence of later style singular central spigot liners being put into 90's engines is not allowed. Liner replacements must only be replaced with twin spigot, 90's style liners. Material must not be added to any part of the engine, including the liner. Material is to be removed only.
- 9.3.18 Liners replacements are free choice but must show evidence of originally having double spigots by design either side of the middle transfer port, with at least one of these spigots displaying a minimum of 5mm in length.
- 9.3.19 A throttle return spring must be present both on the accelerator pedal and the throttle arm linkage.
- 9.4 **Carburettors:**
Only Pre 2000 butterfly carburettors are allowed.
These must have a maximum venturi size of 24mm and that venturi must be 24mm for at least 2mm in length. Material may only be removed from the carburettor body. No material may be added whatsoever.
- 9.5 **Airboxes:**
Recommendations to use period style air boxes for each class, but this is not mandatory. Air Boxes must be CIK approved and must be pre 2000 in style.
- 9.5.1 Air boxes are to have a maximum of 2 intake holes in them. Each hole must not measure more than 23mm diameter. Each intake trumpet must be a minimum of 80mm in length when measured from the external radius of the inlet to the opposite end of the ram tube.
- 9.5.2 The use of gauze on the inlet on the airbox trumpets are permitted.
- 9.6 **Data logging:**
Data logging equipment is permitted.

- 9.7 **Exhaust:**
Automatically adjustable or manually adjustable on kart exhaust systems are prohibited.
- 9.8 **Bodywork:**
Pre 95/Pre2000 must use sidepods, period in style up to and including CIK 02.

Pre 95 karts may use the 'period style' Pre 95 front fairing only.
Pre 2000 must use front fairing, period in style up to and including CIK 02.

Pre 95/Pre2000 must use Nassau panel, period in style up to and including CIK 02.
- 9.9 **Rear / front bumper:**
- 9.9.1 Rear and front bumper must be magnetic material. The use of the narrower rear bumper of that era may be used.
- 9.9.2 The rear wheels must be outside or level with the outer edge of the rear bumper at all times. Never inside, including in wet conditions.
- 9.10 **Brakes:**
- 9.10.1 Brakes must be hydraulic or cable operated and effective on rear axle only.
- 9.10.2 Brake system is free but must be non self-adjusting unless OE by design/homologation.
- 9.10.3 Maximum one pad per side and two pistons per pad.
- 9.10.4 Brake disc must be steel or cast iron. Type free.
- 9.10.5 Brake system must be fitted with a back-up brake safety cable in case of failure. Cable diameter must be 2mm minimum.
- 9.11 **Wheels:**
- 9.11.1 Wheels must be aluminium or magnesium one piece.
- 9.11.2 Pre 95 - Front hubs are NOT permitted. Mono bearing rims only.
Pre2000 - Front hubs are permitted. Maximum length to be 100mm. Dimension excludes removable locating rings and the studs.
- 9.11.3 Maximum wheel width 122mm front and 210mm rear measured internally. Maximum 133mm and 217mm externally.
- 9.12 **Lubricant:**
Lubricant must be any lubricant from the latest CIK Lubricant list or Shell Advanced Racing M.
- 9.13 **Tyres:**
- 9.13.1 Tyres must comply to Super One Sporting Regulations 3.2.1. - 3.2.5.
- 9.13.2 The only tyres permitted in Pre 95 and Pre 2000 are:
Slicks: LeVanto KRT (1 set per weekend)
Wets: LeVanto KRT Wet (minimum 1 set for the season)
- 9.14 **Weight:**
Minimum kart and driver weight: 151Kgs
- 9.15 **Number plates:**

Pre 95 - Black number on white background

Pre 2000 - Black number on yellow background