

**FL1.0 Group Junior & Senior – Non-Gearbox**  
**FL1.1 Class Formula Libre**  
**Affiliation MSA**

**FL1.2 Introduction.** A class to cater for engines that no longer have their own approved class homologations. The only championships permitted will be single venue club championships. Drivers must be in possession of a MSA Competition licence minimum Kart National B (Novice). Note for drivers under the age of 18, a Kart PG Entrants licence is required. Organisers may make further restrictions, for example on engines or tyres, in their Supplementary Regulations with MSA approval. References in these regulations to class regulations for specific equipment means the most recent set of MSA published class regulations (frozen at the point of expiration of class homologation), unless otherwise detailed on the Kart Technical page of the MSA website ([www.msauk.org/KartTech](http://www.msauk.org/KartTech)). Kart, engines, tyres and racewear must comply with MSA regulations and must be passed as safe and fit for purpose by the scrutineer.

**FL1.3 Chassis.** Any chassis conforming to MSA Yearbook regulations for non-gearbox karts, or to Honda class regulations for Honda-engined karts.

**FL1.4 Engine.** Engines must be currently – or have been previously – approved for use in MSA short-circuit karting and remain in that approved specification, from the following list:

<b>Junior variations of the following:</b>	<b>Senior List:</b>
TKM BT82	TKM BT82
Any CIK homologated JICA engine	Any CIK homologated JICA engine
Any 125cc water-cooled engine	Any 125cc water-cooled engine
Junior Formula Blue	Formula Blue
4-stroke up to 250cc	4-stroke up to 250cc
Any CIK homologated water-cooled 100cc engine	Any CIK homologated water-cooled 100cc engine

**FL1.4.1 Exhaust, Inlet and Throttle Restrictors.** Restrictors as detailed in the relevant fiche or approval documentation must be in place at all times and must be as supplied by the engine manufacturer.

**FL1.4.2 Carburettor.** As per class regulations for the engine, or separately approved by the MSA.

**FL1.4.3 Fuel Pump.** Free

**FL1.4.4 Intake Silencer.** As per class regulations for the engine, any type currently or previously approved for the class is eligible.

**FL1.4.5 Exhaust System.** As per class regulations for the engine, any type currently or previously approved for the class is eligible. Vevey exhausts must have an end cap.

**FL1.4.6 Radiator (where applicable).** As per class regulations for the engine, any type currently or previously approved for the class is eligible.

**FL1.4.7 Ignition Unit.** As per class regulations for the engine, any type currently or previously approved for the class is eligible.

**FL1.4.8 Spark Plug.** As per class regulations for the engine, any type currently or previously approved for the class is eligible.

**FL1.5 Transmission.** Direct from the engine to the rear axle via a single length of chain. The clutch must be as supplied as per class regulations for the engine; any type currently or previously approved for the class is eligible.

**FL1.6 Brakes.** Hydraulic disc brake operating on rear axle only, in conformance with MSA Yearbook.

**FL1.7 Tyres.**

Dry: Any current or previously approved slick tyre from World Formula, Honda, TKM, Rotax, Formula Blue or X30 classes. Tyres for Junior must be equivalent to or harder than CIK Option (or previous Hard) compound, and tyres for Senior must be equivalent to or harder than CIK Prime (or previous Medium) compound. Others may be considered on application

from the Club. SRs may specify used tyres only, e.g. *“new tyres are not permitted, used tyres must have a tread depth not exceeding 2.8mm”*. Only one set of tyres per race meeting are permitted, except that one front and one rear may be exchanged if the tyre is damaged beyond repair. Drivers must request a change before leaving parc fermé.

Wet: Any current or previously approved wet tyre from World Formula, Honda, TKM, Rotax, Formula Blue or X30 classes.

If so marked, tyres must be fitted to run in the correct direction of rotation, as indicated by the arrow on the sidewall of the tyre.

**FL1.8 General.** An ignition kill switch must be fitted to any clutched engine and must be identified with an electric flash symbol sticker or marked on/off to assist marshals in the event of an incident.

**FL1.8.1 Weight.**

Junior: Minimum of 140kg including driver with a minimum driver weight, as per U15.2.4 of 40kg.

Senior: Minimum of 160kg including driver. Minimum driver weight for any driver under the age of 16 as per U15.3.2 is 54kg.

Exceptionally, where an organiser restricts the class to a single engine, the weights as detailed in the applicable class regulations may be applied.

**FL1.8.2 Number Plates.** White with black numbers. U17.27 applies.

**FL1.8.3 Age.**

Juniors: Year of the 13th birthday to 31st December of the year of the 16th birthday. Drivers who have not reached their 13th birthday must provide evidence that they have held a National A licence for at least 12 months prior to competing in this class. Exceptionally, where an organiser restricts the class to a single engine, the ages as detailed in the applicable class regulations may be applied.

Seniors: As per MSA Yearbook Regulations.