

## A1.0 Group Bambino

### A1.1 Class Bambino

#### Affiliation MSA

**A1.2 Introduction.** Pre-Race training for 6 to 8 year olds, which can only be held on circuits specifically licensed by the MSA for Bambino. Drivers must hold a Kart Clubman licence, which they can obtain from their 6th birthday and may continue in Bambino until the end of the year of their 8th birthday. Karts must comply with the Technical Regulations of the current MSA Yearbook section (U), except where detailed below. These Regulations are subject to periodic review and possible alteration. Organisers are urged to download the latest version prior to organising any Bambino Kart Event.

**A1.3 Chassis.** MSA registered Bambino chassis only, see Appendix 1 or [www.msa.uk.org/karttech](http://www.msa.uk.org/karttech).

**A1.3.1 Materials.** Carbon fibre, Kevlar, Magnesium and Titanium components are prohibited.

**A1.3.2 Bodywork & Bumpers.** As registered with the chassis. Fitment of the CIK detachable front fairing mounting kit is not a requirement.

**A1.3.3 Dimensions.** At all times the rear bumper must not exceed the overall width measured to the outside of the rear wheels or tyres (whichever is greater), and the side pods may not be located outside of the plane passing through the outer edge of the rear wheel or tyre (whichever is greater). The rear bumper must cover at least 50% of each wheel/tyre at all times.

Overall width at the rear: Maximum 1100mm.

**A1.3.4 Steering.** Camber/caster adjustment by any means is not permitted.

**A1.4 Engine.** Comer C50, the engine as raced must at all times conform in all aspects with the MSA homologation fiche. Compliance with the fiche may be checked at any time during an event. The engine numbers and seal numbers must match the information held on the UK agent's database and on the engine's official log book. All parts must be standard genuine Comer parts as listed on the parts list. The engine must be used with the exhaust cover fitted at all times.

No addition of, or other change of material is permitted. No modifications, tuning or rectification to fiche for whatever purpose is allowed except as listed below or where expressly permitted by the MSA:

- (i) Repair of damaged threads with helicoils is permitted. The repair of the cylinder spark plug thread and/or coil mounting threads is not permitted.
- (ii) (ii) The spark plug cap may be replaced by parts of other commercial manufacture and which must be directly equivalent.
- (iii) (iii) The spark plug used must be unmodified and must use the washer supplied at all times.
- (iv) Gaskets may be trimmed for alignment of parts.

**A1.4.1 Carburettor.** Dell'Orto SHA 12/14 L as per the current homologation fiche. The carburettor must remain unmodified and conform in all aspects to the official homologation fiche.

An intake restrictor, part no: C050-071, must be fitted at all times, as detailed on the current homologation fiche.

**A1.4.2 Engine Lubrication.** Any oil specified in the current CIK list of homologated lubricants, which can be found at [www.cikfia.com](http://www.cikfia.com).

**A1.4.3 Engine Price.** The retail price of the engine, when new, including carburettor, ignition, drive sprocket, clutch, ignition, intake restrictor and exhaust, when sold in the U.K. will be £528 + VAT. This price may be subject to a yearly increase as agreed with the MSA.

**A1.5 Transmission.** Direct from the engine to the axle via a single length of chain. Only an 80 tooth rear sprocket may be used, unless a single other size of sprocket is specified in SRs. The internal running surface of the clutch must remain dry and free of grease, lubricant or any additional substance.

**A1.5.1 Axle.** As registered with the chassis. Must be fitted with circlips on the ends of the axle.

**A1.5.2 Chain/Sprocket Guard.** A chain/sprocket guard complying with U18.8.5 must be fitted.

**A1.6 Brakes.** As registered with the chassis. Mechanical system with solid disc acting on the rear axle only. Interruptions on the brake surface (drilling, grooves, slots, etc.) are permitted, radially vented discs are not permitted. If the brake system is registered with dual-linkage, this must be fitted at all times.

A1.6.1 Brake Disc Protector. Where required by the regulation, a brake disc protector in accordance with U16.10.10 must be fitted.

**A1.7 Tyres.** Le Cont MSA 04, all-weather tyres. Front: 10 x 4.00 x 5, Rear 11 x 5.00 x 5. Maximum tyre circumference: Front 820mm, rear 840mm. The minimum tyre treads depth is 1mm at any point.

**A1.7.1 Wheels.** Widths measured from outside edges: Front: 100mm min. and 115mm max. Rear: 140mm ± 2mm.

## **A1.8 General.**

**A1.8.1 Age.** From 6th birthday to 31st December of the year of 8th birthday.

**A1.8.2 Weight.** Minimum 69kg, including the driver.

**A.1.8.3 Number Plates.** Black with white numbers (see U17.27). The numbers must be of the 'Classic' type described in U17.27.3. Exceptionally, competitors registered with the MSA Bambino Championship may use plates complying with those Championship Regulations.

**A.1.8.3.1** Side pod number plates/stick-on panels must be a minimum of 16.5cm high by 7.8cm wide, with a minimum 1cm space on all sides of the numbers. Numbers must be a minimum of 13cm high, and minimum 1.5cm stroke width. They must be displayed in accordance with drawing U17.25 of MSA Yearbook section U.

**A1.8.4 Data Logging.** The use of data acquisition is forbidden apart from the collection of engine RPM, GPS and lap time data only. Any sensors not permitted by these regulations must be removed from the kart.