

CHAPTER SIXTEEN – Miniature Road Racing (Road)

- 16.1 The Miniature Road Racing class or 'Bucket Racing' as it is also known, shall be deemed to include solo motorcycles and sidecars. Championship Classes see Appendix A.
- 16.2 Engines must be derived from non-competition motorcycles. Motocross, Road Racing, Enduro and Kart motors and transmission parts are not permitted. There shall be no restriction on the make, type or design of carburettor, ignition, exhaust, piston, cam, valve springs or cooling system except for class eligibility.
- 16.2a All engines must be normally aspirated except F4 4 stroke engines of less than 100cc capacity, and F4 2 stroke engines of less than 70cc capacity, which may be turbo or supercharged. The cross-sectional area of the intake of an F4 2 stroke engine of greater than 104cc capacity, whether in the form of a carburettor or of an air intake for a fuel injection system, is restricted to that of a single 24mm round-throat carburettor, i.e. 452.4mm².
- 16.2b Engine capacities shall be as stated in Appendix A under 'MINIATURE ROAD RACING. New Zealand Miniature Road Race Grand Prix' for all miniature road racing events.
- 16.2c **Construction of Solo Motorcycles:**
Miniature Road Racers are to be constructed in accordance with, and comply with, Chapter 10.
- 16.2d **Construction of Sidecars:**
Miniature Road Race sidecars are to be constructed in accordance with the following rules 16.2e to 16.2i:
- 16.2e **Wheel Track:**
This shall be minimum of 650mm, maximum 1120mm. The front and rear wheels must not be more than 70mm out of alignment of a straight line at right angles to the rear axle. All measurements are taken at wheel centrelines.
- 16.2f **Wheel Base:**
Rear axle centre to front axle centre - min. 1300mm, max. 2000mm. The sidecar wheel axle shall be between the rear wheel axle and the middle point of the wheelbase.
- 16.2g **Basic Dimensions:**
No part of the construction shall protrude more than 100mm outward from the outside face of the sidecar tyre. No part of the construction shall protrude more than 550mm outward from the centre of the rear tyre. Only streamlining and its support brackets shall protrude in front of the front tyre. There must be a minimum of 75mm ground clearance when the sidecar is loaded with driver and passenger in normal racing positions and all sumps and petrol, oil and water tanks, radiators and associated piping must be adequately protected underneath by at least 14g steel or 10g aluminium guards if they come within

90mm of the ground.

- 16.2h **Streamlining:**
No part of the streamlining shall protrude more than **650mm** forward from the front of the front tyre. Care must be taken that the steering is not affected by the fairings. The sidecar wheel, except for the outside face, shall be adequately covered above deck level.
- 16.2i The Steward of the meeting in conjunction with the Machine Examiner, may disqualify any sidecar from the competition where the construction of the machine is such that it could prove an unnecessary hazard to other competitors or other persons. This disqualification may take place despite the fact that the specifications are in every other respect, within the rules.
- 16.2j Any welds on brake systems parts including calliper mounts, torque rods, brake pedals or levers or any other load bearing components must be left "as welded" no grinding or polishing of welds is permitted.
- 16.2k There must be a minimum of 65mm ground clearance when the machine is loaded with the driver and passenger in normal straight ahead racing positions and all sumps and petrol, oil and water tanks, radiators and associated pipes must be adequately protected underneath by at least 1.6mm or 3.0mm guards if they come within 80mm of ground level.
- 16.2l The design of the catch tray on the sidecar comprises of a number of functions:
1. A catch tray for the capacity to catch spilled oil.
2. It must be designed in such a manner that in the event of an oil filter failure, it will capture any oil.
3. The tray is to have a minimum capacity of no less than 2.5 litres.
4. The tray is not to be used as a catch tank.
- 16.2m **Allowance for technical design:**
All sidecars must have a technical sign off from the Technical Steward. A log book indicating the technical certification will be issued to all sidecars and each log book will be registered to the sidecar for which it is issued. The log book will remain with the sidecar for the life of the machine. Each log book will be numbered and a metal tag bearing the corresponding number will also be issued. This tag must be permanently affixed to the sidecar in a position readily available for inspection. The log book must be handed to the machine examiner for sign off prior to an event. Transferring the log book or ID tag to another sidecar is prohibited. The log book must be current and will be renewed every two years from the date of issue.
- 16.3 **Races General:**
Miniature Road Races although conducted on smaller circuits are to comply with the same rules of conduct that cover Road Racing. Where Miniature Road Races are held other than on a Closed Road circuit MNZ shall advise what level of Steward may officiate.

- 16.4 **Licencing:**
Juniors 13 years and over shall be allowed to compete in Miniature Road Racing, with all licence and entry applications endorsed by a parent or legal guardian until reaching the age of 16 years. The requirement for a Senior licence (rule 14.9n) does not apply to dedicated Miniature Road Race events on closed roads. Dispensations may be approved by the Road Race Commissioner for individuals to ride in this class, from aged 12. Based on a recommendation from a suitable Senior Rider or Coach, who shall commit to act as a mentor until the competitor is eligible for a Senior Licence. All new riders must wear a high visibility vest for the first 5 events at which they compete, proof of which must be in their log book.
- 16.5 **Miniature Road Race Grand Prix:**
Motorcycles eligible for the New Zealand Miniature Road Race Grand Prix shall be; as referred to in Appendix A.
- 16.6 Miniature Road Racing Classes (F5, F4 and Sidecars) must not use Tyre Warmers unless the supplementary regulations of the event specifically state that these are allowed for those classes.