

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. The cross-sectional area of the intake of an F5 4 stroke engine of greater than 53cc 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 round-throat 20mm carburettor, i.e. 314.2mm².**
- 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:
- 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 550mm 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.
- 16.3 **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.
- 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 **Points for Miniature Road Racing:**
Points are awarded for 1st to 15th placing as follows:
25, 20, 16, 13, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
- 16.7 **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.**
- 16.8 **When racing or practicing at Kart Circuits, Miniature Road Racing motorcycles and sidecars of all classes must be fitted with nylon or similar non-metallic track protection armour sufficient to protect the track from any metallic part that could touch the ground in the event of a crash.**
The following items must be adequately protected:
- Wheel axle ends, both front and rear;
 - Handlebar ends;

- Footpegs and footpeg brackets that become exposed when the footpeg folds up;
- Gearchange and footbrake levers;
- Any protruding part that is likely to touch the ground in a crash;
- The top of front fork stanchions if these protrude above the top triple clamp.
- Nylon or similar protection must not be retained by cable ties. Mounting must be rigid.
- If the protection of a Motorcycle or Sidecar is deemed inadequate at any time, or if any of the parts listed above are not covered, the offending vehicle may not enter the track, or must be removed from the track as soon as possible until the lack of protection is remedied.
- Kick-start levers, if fitted, must be retained in the folded position by a loop, which may be a cable tie.
- The final judge on adequacy of protection is the Steward of the event and their decision will be final.