

Landspeed New Zealand - Bike Rules

Rules (Revision May 2025)

- Valid New Zealand Motorcycle license, class 6 (overseas accepted) or a Race license MNZ, NZDRA, or IHRANZ
- Valid WOF or Race tech inspection preapproval MNZ, NZDRA, or IHRA.
- Landspeed racing motorcycles built to DLRA or SCTA specifications may only have a rear brake fitted.
- Protective gear
 - Separate Back Protector, even though there may be a built-in one in your leather suit.
 - Leather one-piece suit or a two-piece suit with concealed joining zip. With CE-approved elbow and knee protectors. No jeans or Kevlar-type cloth. No Cordura. Inflatable protection jacket or suit recommended to have EN1621-4 certification.
 - Leather gloves with an adjustable restraint-type wrist band and full-length covering wrist.
 - Leather boots that extend above the ankle. Must be zipped, buckled or laced. No motocross boots unless these are closed by zip, buckle or laced.
- Helmet
 - Helmet less than 10 years old, snug fitting helmet, full face type, fitted with a D Ring retaining system. Where no date of manufacture is

visible on the helmet, the onus is on the competitor to prove that the helmet is less than 10 years old.

- No flip top touring helmets, No Camera mountings unless fitted by the helmet manufacturer.
- The helmet complies with one or more of the following, and the certification labels can be read easily by an LSNZ scrutineer.

Approved international standards:

Europe ECE 22-05, 'P' ECE 22.05, ECE 22.06. FIM FRHPhe-01, FIM FRHPhe-02

Japan JIS T 8133:2015

USA SNELL M2010, SNELL M2015 SNELL M2020D SNELL M2020R

Aus/NZ Standards (AS 1698-1988, AS/NZS 1698:2006, AS/NZS 2063:2008)

Note motorcycle helmets are not suitable for cars as not made of inflammable materials and their

Testing is different.

- Wheels/Tires

- Motorcycles must have metal tire valve stems and caps on all tubeless tires. TPMS valves accepted.
- No bias ply drag tires or slicks unless pre-approval from LSNZ, as typically slicks have no speed rating and are designed for going around corners and hard braking. These tires are banned at overseas LS events.
- Tires are rated for the speed intended. Example: Z. for 240kph, W. for 270kph, Y. for 300kph. (Y) for +300kph. If in doubt, ask your tire supplier. Tread depth in excess of +3mm
- All tires must be (DOT) approved tyres and be less than 10 years old. Classic or Vintage tire preapproval is required before the event. Approved Landspeed tires accepted.
- Motorcycle
 - A kill switch for speeds over 125mph/200kph must be operated by a lanyard or handlebar switch, or the factory-fitted tip-over switch.
 - Motorcycles are required to have a steering damper if exceeding a speed of 125mph/200 kph.
 - Chain guards need only be factory type, with front sprocket protection. If the bike is fitted with an extended swing arm, then a metal chain guard must be fitted.
- Refueling
 - During refuelling of the motorcycle, no sitting on the motorcycle is allowed. Highly recommended to use an autoshut off fuel can; do not syphon. Recommended to do over on the concrete area away from parked vehicles.

- Methanol fuel has a yellow triangle sign to show others in the pits.
- Methanol or Ethanol fuels must have two persons when fueling, and a fire extinguisher handy.

Recommendations:

- Highly recommended on motorbikes, front wheel bearings and steering head bearings checked and serviced or replaced with new. OME often do not install sealed bearings on both sides, so they can rust inside.
- Landspeed racing, tires are inflated to the recommended tire pressure of 40 psi cold. Tire warmers are not used. Ensure your tire temperatures are checked by a marshal at the end of each LS run and should not exceed 60c.
- Highly recommend filling your tires with nitrogen; they run cooler and drier.
- All tires and wheels should be balanced.
- This event is not on salt flats; it is on a sealed public road, it is extremely level, but there are some bumps, so ensure you have appropriate suspension settings. Example "Track mode" changed to "Sport mode"
- Recommend replacing glycol antifreeze in your cooling system with VIP. Stay-frosty, Liquid perform Icewater", Repco "Pentrite, BelRay Motochill, Motul Mocool, etc. The engine will run cooler, and no danger to the environment if it leaks.
- It is not a requirement to wire sump plugs/fill plugs and callipers, etc, as for circuit racing, but ensure all bolts are torqued to factory settings and possibly use of "Blue" Loctite on threads.
- Remove wheel hub caps or secure with a cable tie.

- Ensure wheel nuts are tight!
- You do not need a fire extinguisher in your car, but highly recommended, and if you do, bolt it to seat mounts or the floor, no cable ties.
- Car roll cages are not required unless doing over 205mph/328kph.
- No loose tools, drink bottles, or laptops in passenger seats or on the floor.
- Put water bottles in a closed glove box.
- Riders/Drivers over 70 years of age are highly recommended to have a full medical check, including a cognitive processing test.
- Motorcyclists are highly recommended to use a chest protector.
- Highly recommend that any on-board cameras have a safety wire secured separately, especially on motorbikes.
- Ensure any under belly wind/skirting panels be checked not cracked or loose, cable tie or put in new screws the high-speed wind will tear them off.