

Landspeed New Zealand - Car Rules

Rules (Revision May 2025)

- Valid car license class 1 (overseas accepted) or a Race license MNZ, NZDRA, or HRANZ.
- Valid WOF within the last 3 months, or a Race car tech inspection preapproval: MSNZ, NZDRA, or IHRA
- Protective gear meets or exceeds the following minimum requirements:
 - Race overalls are a double-layer Fire Retardant, being a one-piece garment. ISO6940 (Highly recommend multilayer FIA Norm1986 or better) with close-fitting front, cuffs, and ankles which entirely cover the wearer except for head, hands and feet.
 - Absolutely no Nylons/Rayon/Poly.
- Highly recommended roll cage, but not compulsory unless exceeding 205mph/328kph
- Convertibles or Fibreglass top cars with “original manufacture” “, Active roll protection” or single hoop bar accepted under 300 kph/(187mph)
- Underwear being of cotton/wool (Highly recommended race underwear, a garment designed to cover the entire wearer’s body
- No Spandex or Synthetics
- Socks, cotton or wool being at least to midcalf, Shoes, leather that covers the whole foot and ankle, Gloves, Leather that covers the hand and wrist. Highly recommended to SFI3.3/ISO6940
- Balaclava of cotton/wool. Highly recommended race type SFI 3.3/ISO6940

- Foam neck braces, not required, but if wearing one must be made of flame-retardant material.
- Highly recommended FHR/Frontal Head Restraints, Arm restraints. For reference to typical safety equipment, one could look at the MSNZ Clubsport Advanced standards.
- Highly recommended roll cage, but not compulsory unless exceeding 205mph/328kph
- Convertibles or Fibreglass top cars with “original manufacture”, “Active roll protection” or single hoop bar accepted under 300 kph/(187mph)
- Helmets:
 - Less than 10 years old, snug-fitting helmet, full-face type. Where no date of manufacture is visible on the helmet, the onus is on the driver to prove that the helmet is less than 10 years old.
 - Can wear approved open-face helmets, but not in open cockpit cars or convertibles.
 - No open-face helmet if any facial air.
 - 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.
 - Motorcycle helmets as not suitable for cars.
 - Helmet Standards:
 - FIA Standards SFI Standards Snell Standards: FIA 8859-2015, FIA 8859-2015, Snell SA2020
 - FIA 8859-2015, Snell SA2015 & FIA 8859-2015
 - 8860-2018 tt Spec 31.1A SA 2015 TT, 8860-2010 tt, Spec 31.2A SA 2010 T, 8806-2004 tt

- Spec 31.1/2005 SAH 2010 TT, 8859-2015 tt, Spec 41.1/2005 SA 2005T, 8858-2010 tt
- Spec 41.1A SA2000 T, Spec 41.2A M 2015, M2010, M2005, M200.
- Wheels/Tires
 - All vehicles 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 tires require preapproval before the event. Approved Landspeed tires accepted. Ensure they are balanced.

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.