

2012 SCCLaC Regulations for Studded Ice Racing Tires

1. These limits are intended for the safety of the participants and others who use the event site. They are also to provide uniform standards for the construction of studded tires for SCCLaC rally-cross events. They are not intended to be all inclusive.
2. Construction which appears to be unsafe may be disallowed by the event master at any time.
3. Additional designs may be permitted at the discretion of the event master provided they are approved prior to the start of competition.
4. An exhibition or unlimited class may be added at the discretion of the event master to accommodate safe but noncompliant designs.
5. Construction outside the spirit of these regulations may be disallowed by the event master provided it is prior to the start of competition.
6. The following commercially available ice racing tires are permitted:
 - a. Menard's in 13", 14", 15" sizes
 - b. Commercially available DOT approved studded passenger car tires
7. Homemade studs are permitted provided they meet the following requirements:
 - a. The tire carcass used must be DOT approved.
 - b. The number of studs in a single tire cannot exceed 1.08 times the tire's section width in millimeters. (Reference Standard - Menards 13" ice tire - 155/80/13 contains 168 studs, Contact patch contained .45 studs per square inch)
 - c. Studs are made from hex head SAE J429 grade 5 or ASTM A449 bolts no larger than ¼" nominal diameter. (Standard Grade 5 bolts)
 - d. Studs must pass through the carcass from the inside to the outside with the head on the inside.
 - e. Washers on the inside of the carcass are unlimited. Two washers are permitted on the outside of the carcass. The outside diameter of which cannot exceed 1.015" (American National Standard wide series plain washers)
 - f. Nuts must not exceed the dimensions for American National Standard Heavy Hex.
 - g. Nuts must be of a grade equivalent to or higher than the bolt.
 - h. The studs must have at least one complete thread exposed beyond the nut.
 - i. The studs cannot extend more than 1.5 diameters beyond the nut
 - j. Sharpened studs must fall within 1 thread and 1.5 diameter limits.
 - k. Tire sealants, tubes, and liners are not restricted.
 - l. Tires must be sufficiently airtight to not be detrimental to the event.
 - i. One tow back from a flat tire is permitted
 - ii. Additional tow backs may be permitted at the discretion of the event master. However, a second towback may be grounds for the forfeiture of any remaining runs for the car.
 - m. Studs that screw into the tire from the outside only such as "Kold Cutters" are not permitted.
 - n. Studs that screw into the tire from the inside but are not secured by nuts are not permitted.