



# Class regulations

## Pro Alcohol Altered

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## Nitroz AB

Huddinge, 2025-06-17

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## Nitroz Motorsports

Nitroz Motorsports helps individuals, companies and clubs in all motorsport in Sweden to administer all types of training, competitions for cars, motorcycles and boats.

Nitroz Motorsports has an insurance solution based on license management and regulations for training & competition. The insurance solution applies to everyone such as organizers, competition participants, competition officials and spectators.

Nitroz Motorsports is affiliated with the SFI program.

The main website for administration is [www.Nitroz.se](http://www.Nitroz.se) and [Dragracing.eu](http://Dragracing.eu)

Our email address is [info@nitroz.se](mailto:info@nitroz.se) and the phone number is 08-711 55 60.

The office is open weekdays 09.00–17.00 with lunch closed 12-13.

**Nitroz AB**  
**Annelundsvägen 14**  
**S-141 44 Huddinge**



§501	<b>Body</b>	Windscreen openings do not impair driver's forward vision.	Mandatory
§502	<b>Brakes</b>	Rear wheels minimum, hydraulic, utilising carbon fibre rotors and carbon fibre brake pads.	Mandatory
§503	<b>Chassis / Frame</b>	Chassis - If Professional Racing Category and Pro Alcohol Altered, then complies with SFI 10.1C or later version.	Mandatory
§504	<b>Driver / Rider</b>	Helmet - Environmental air breathing systems.	Allowed
§505	<b>Electrimotion</b>	Electrimotion Shut Down System must be installed and operational to utilise the following functions, Fuel shut off, Ignition shut down and Parachute release devices must be functional.	Mandatory
§506	<b>Electrimotion</b>	The use of a momentary button to be driver actuated to override the Electrimotion safety shut down system may be fitted.	Allowed
§507	<b>Electrimotion</b>	Electrimotion is not to be used as the primary activation of parachute (referred to as "driving into the chutes". This is not the intention of the system; this is for emergency situations to provide a secondary back up when a driver is incapacitated. Drivers should always be responsible for the activation of the chutes, fuel and ignition shut off under their own actions. Drivers should always operate the vehicle naturally and not rely on automation. Nitroz Technical can at any time review/request your data to ensure that ELECTRIMOTION is used appropriately. Penalties will be put in place of the ELECTRIMOTION system is not used correctly to the manufacturer's instructions.	Mandatory
§508	<b>Electrimotion</b>	Safety shut off controller kit must be properly installed per the manufacturer's instructions.	Mandatory



		Modifications of or tampering with the ELECTRIMOTION shut off controller kit prohibited. externally and is visible.	
§509	<b>Drivetrain</b>	If a two-stage clutch system which includes a lock-up function is used, it must employ no more than six pressure plate fingers, which have a maximum of two finger heights.	Mandatory
§510	<b>Drivetrain, Clutch</b>	If a two-stage clutch system, then second stage must be activated by driver utilising a switch or pneumatic button, or by use of a pre-set timer initiated by clutch pedal switch, throttle pedal switch or gear shift.	Mandatory
§511	<b>Drivetrain, Clutch</b>	The clutch lock-up mechanism must be a rat-trap system or pneumatic servo, which is mounted externally and is visible.	Mandatory
§512	<b>Drivetrain, Clutch</b>	All pneumatic lines and fittings used, at least 0.060 inch orifice.	Mandatory
§513	<b>Drivetrain, Clutch</b>	The lock-up mechanism must release the clutch pedal to its fully engaged position in one immediate action, to engage the second stage.	Mandatory
§514	<b>Drivetrain, Clutch</b>	Clutch - Computer assisted (reactive) activation.	<b>Forbidden</b>
§515	<b>Drivetrain, Clutch</b>	If vehicle is using a Clutch then Only One lock up action per run is allowed	Mandatory
§516	<b>Converter</b>	Lock up function	<b>Forbidden</b>
§517	<b>Transmission</b>	Transmission - Aftermarket or production automobile.	Allowed
§518	<b>Transmission</b>	Maximum 3 Forward speeds, planetary type transmission.	Mandatory
§519	<b>Transmission</b>	Transmission - Reverse gear, operable.	Mandatory
§520	<b>Transmission</b>	Transmission - OEM location relative to engine type.	Mandatory
§521	<b>Transmission</b>	Transmission - Automated gear shifting devices or triggers	<b>Forbidden</b>
§522	<b>Transmission</b>	Air shift only, Driver must perform gearshifts. No delay permitted	Mandatory



		between driver activation and transmission shift. pushrod style engines. A maximum bore spacing of 4.90" applies to the Sainty Overhead Cam engine only	
<b>§523</b>	<b>Transmission</b>	Transmission - Any other form of shifting i.e.; Electric, Electronic, Hydraulic or Timer Based	<b>Forbidden</b>
<b>§525</b>	<b>Engine</b>	Following the outcome of the recent racer commission vote, A maximum of No more than 4.840" Bore spacing applies to all pushrod style engines. A maximum bore spacing of 4.90 " applies to the Sainty Overhead Cam engine only.	Mandatory
<b>§526</b>	<b>Engine</b>	Engine - A 2 Inch Maximum Lifter Bore spacing	Mandatory
<b>§527</b>	<b>Engine</b>	Rate of acceleration rpm limiter or multipoint rev limiter that is programmable.	<b>Forbidden</b>
<b>§528</b>	<b>Engine</b>	Magneto only.	Mandatory
<b>§529</b>	<b>Engine</b>	When integrated into ignition or standalone, programmable, multi-point rev limiter or/and rate of acceleration rpm limiter.	<b>Forbidden</b>
<b>§530</b>	<b>Engine</b>	Electrimotion Shut Down System must be installed and operational to utilise the following functions, Fuel shut off, Ignition shut down and Parachute release devices must be functional.	Mandatory
<b>§531</b>	<b>Engine</b>	The use of a momentary button to be driver actuated to override the Electrimotion safety shut down system may be fitted.	Allowed
<b>§532</b>	<b>Engine</b>	Staging devices clutch - The use of automated RPM control devices i.e. two step during the staging and launching process.	<b>Forbidden</b>
<b>§533</b>	<b>Engine</b>	Staging device - If torque converter fitted in place of clutch, then two step, automated, RPM control devices used during staging and	Allowed



		launching.	
<b>§534</b>	<b>Engine</b>	If screw supercharger with rotor diameter greater than 215.9 mm (8.5 inch), then maximum 60% overdrive.	Mandatory



§535	<b>Engine</b>	If screw supercharger with rotor diameter less than 215.9 mm (8.5 inch), then maximum 125% overdrive	Mandatory
§536	<b>Engine</b>	If roots supercharger, maximum rotor length 20 inches (508 mm) and maximum case width 11.25 inches (286 mm)	Mandatory
§537	<b>Vehicle</b>	If supercharger is screw type, minimum weight including driver 3.90 lbs/cube (107.95 kg/l) and not less than 1700 lbs (771.1 kg)	Mandatory
§538	<b>Vehicle</b>	If supercharger is roots type, minimum weight including driver 3.90 lbs/cube (107.95 kg/l) and not less than 1700 lbs (771.1 kg)	Mandatory