

# Class regulations Top Fuel Dragster



**Nitroz AB**

Version 2025-E #03



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## 1. About Nitroz Motorsports

Nitroz Motorsports supports individuals, businesses, and clubs in the administration of all types of motorsport activities in Sweden, including training sessions and competitions for cars, motorcycles, and boats.

Nitroz Motorsports provides an insurance solution based on license management and a regulatory framework for both training and competition. This insurance covers organizers, participants, officials, and spectators.

Nitroz Motorsports is affiliated with the SFI program.

The main website for administration is [www.nitroz.se](http://www.nitroz.se).

You can reach us by email at [info@nitroz.se](mailto:info@nitroz.se) or by phone at 08-711 55 60.

Our office is open on weekdays from 09:00 to 17:00, with a lunch break from 12:00 to 13:00.

**Nitroz AB**  
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## 2. Tables

\$101	Body Airfoils/Wings	SFI 2.3H - compliant rear wing supports.	Mandatory
\$102	Body Airfoils/Wings	Strut mounting points are to the rear of the engine plate.	Mandatory
\$103	Body Airfoils/Wings	The distance between the secondary and main mounting points is at least 760 mm (30 inches).	Mandatory
\$104	Body Airfoils/Wings	Attached at any point, including supports, to transmission components, engine or bellhousing.	Forbidden
\$105	Body Airfoils/Wings	Body Airfoils/Wings Fixed and immovable during a run.	Mandatory
\$106	Body Airfoils/Wings	Body Airfoils/Wings Fitments are bolted or welded.	Mandatory
\$107	Chassis / Frame Frame/chassis	If constructed pre-1996, then complies with at least SFI 2.3G.	Mandatory
\$108	Chassis / Frame /chassis	Chassis / Frame /chassis - cross member Either K or X member (welded only), of tubing sized 18.75 mm (3/4 inch) x 0.058 inches (1.5 mm), with no cross member OR cross member and diagonal (bolted, clamped or welded) of tubing sized 18.75 mm x 0.058 inches and either option is installed no more than 150 mm (6 inches) away from the point where the lower frame rails and the front engine mount uprights intersect.	Mandatory
\$109	Chassis / Frame Chassis	If Professional Racing Category and Top Fuel, then complies with SFI 2.3J or later version.	Mandatory
\$110	Chassis / Frame Brakes	Rear Hydraulic disc brake	Mandatory
\$111	Chassis / Frame Brakes	Rear At least 280 mm (11 inch) diameter	Mandatory
\$112	Chassis / Frame Brakes	Brakes manually operated by hand	Mandatory
\$113	Chassis / Frame Roll cage	Chassis / Frame Roll cage - shroud Roll cage shroud mounted at rear of roll cage	Mandatory
\$114	Chassis / Frame Roll cage	Chassis / Frame Roll cage - shroud Roll cage shroud, shape conforms to roll cage.	Mandatory
\$115	Chassis / Frame Roll cage	Chassis / Frame Roll cage - shroud Roll cage shroud material is 0.080-inch (0,032 mm) steel or titanium.	Mandatory
\$116	Chassis / Frame Roll cage	Chassis / Frame Roll cage – shroud. Shroud attached to both side bars, using at least 3, Grade 8, 5/16-inch bolts on each side.	Mandatory
\$117	Chassis / Frame Roll cage	Chassis / Frame Roll cage – shroud. Shroud attached to rear bar using at least 2, Grade 8, 5/16-inch bolts	Mandatory
\$118	Chassis / Frame Roll cage	Chassis / Frame Roll cage - shroud - bolt heads Shroud bolt heads, hex style, ½ inch.	Mandatory
\$119	Chassis / Frame Wheels	Chassis / Frame Wheels - drive Rear wheels/rims SFI 15.3.	Mandatory
\$120	Chassis / Frame Wheels	Chassis / Frame Wheels Rear wheels/rims if SFI 15.4 then mates with drive hub type.	Mandatory
\$121	Driver Helmet	Full face helmet, in compliance with one of SA2015 and SA2020, SFI 31.2 (or later).	Mandatory
\$122	Driver Helmet	Helmet skirt which meets SFI 3.3/10, and balaclava meeting SFI 3.3 or SFI 8856-2000	Allowed

§123	<b>Drivetrain Chassis</b>	Drivetrain Chassis - axle - Ratio 3.20:1 gear ratio.	Mandatory
§124	<b>Drivetrain Chassis</b>	Drivetrain Chassis - axle - rear Full floating hubs or live axle assembly.	Mandatory
§125	<b>Drivetrain Flywheel Shield</b>	Drivetrain Flywheel Shield / bellhousing Flywheel Shield / bellhousing	Mandatory
§126	<b>Engine</b>	Engine no more than one.	Mandatory
§127	<b>Engine</b>	Engine - capacity Maximum 500 cui	Mandatory
§128	<b>Engine</b>	Engine - configuration Engine - configuration 90-degree V8.	Mandatory
§129	<b>Engine</b>	Fuel Grade Steel braided lines and steel fittings for fuel gauge lines inside the driver's compartment	Mandatory
§130	<b>Engine</b>	Fuel Grade Blends of nitro methane	Allowed
§131	<b>Engine</b>	Fuel Grade Blend of <b>maximum 90% nitro methane and the rest</b> methanol.	Mandatory
§132	<b>Engine</b>	Electrimotion. Electrimotion shut down system must be installed and operational to utilize the following functions. Fuel shut off, Ignition shut down and parachute release devices must be functional.	Mandatory
§133	<b>Engine, belly pan</b>	Engine belly-pan Engine oil retention pan installed.	Mandatory
§134	<b>Engine, belly pan</b>	Engine belly pan – material. Material is either 0.05 inch aluminum or 0.04 inch carbon fibre / Kevlar.	Mandatory
§135	<b>Engine, belly pan</b>	Engine belly pan - forward extent Extend forward by at least 1 inch past the lower supercharger pulley.	Mandatory
§136	<b>Engine, belly pan</b>	Engine belly pan - rearward extent Extend rearward no further than the cross member that is beneath the pinion flange.	Mandatory
§137	<b>Engine, belly pan</b>	Engine belly pan – width. Width is less than or equal to the lower frame rails outer edge.	Mandatory
§138	<b>Engine, belly pan</b>	Engine belly pan Size is such that sides extends to the top of the upper frame rails.	Mandatory
§139	<b>Engine, belly pan</b>	Engine belly pan Design is one piece or is sealed and retains oil.	Mandatory
§140	<b>Engine, Bulkhead</b>	Engine Bulkhead - lip Bulkhead retains oil during deceleration or acceleration	Mandatory
§141	<b>Engine, Bulkhead</b>	Engine Bulkhead - lip Front bulkhead is at least 4 inches (100 mm) high.	Mandatory
§142	<b>Engine, Bulkhead</b>	Engine Bulkhead – rear. Rear Bulkhead is rearward of the back of the bellhousing.	Mandatory
§143	<b>Engine, Bulkhead</b>	Engine Bulkhead Oil is contained within the bulkhead confines.	Mandatory
§144	<b>Engine, Lower</b>	Engine Lower engine containment device Lower engine containment device in use	Mandatory
§145	<b>Engine, Supercharger</b>	Engine Supercharger. Supercharger Roots.	Mandatory
§146	<b>Engine, Supercharger</b>	Engine Supercharger. Supercharger Screw type	<b>Forbidden</b>

<b>§147</b>	<b>Engine, Supercharger</b>	Engine Supercharger Restraint system complies with SFI 14.3	Mandatory
<b>§148</b>	<b>Engine, Supercharger</b>	Engine Supercharger SFI 23.1 -compliant manifold burst panels	Mandatory
<b>§149</b>	<b>Engine, Throttle</b>	Engine Throttle stop. Use of a mechanical throttle stop which the driver cannot reach that limits throttle blade opening to a maximum of 0.300 inches (7.62 mm) during burnouts.	Mandatory
<b>§150</b>	<b>Engine, Reciprocating</b>	Engine - type Reciprocating, 90-degree V8 single camshaft, automotive type engine permitted.	Mandatory
<b>§151</b>	<b>Engine, SAINTY</b>	Engine - type SAINTY Engine	Allowed
<b>§152</b>	<b>Vehicle Parachute</b>	Vehicle Parachute Dual Parachute shroud attachment points utilizing one times 1/2 Inch bolt minimum and a one times 1" Bush per shroud line attachment.	Mandatory
<b>§153</b>	<b>Electrimotion</b>	Electrimotion. 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 team can at any time review/request your data to ensure that ELECTRIMOTION is used appropriately. Penalties will be put in place if the ELECTRIMOTION system is not used correctly to the manufacturer's instructions.	Mandatory
<b>§154</b>	<b>Electrimotion</b>	Electrimotion Controller Safety shut off controller kit must be properly installed per the manufacturer's instructions. Modifications of or tampering with the ELECTRIMOTION shut off controller kit prohibited.	Mandatory
<b>§155</b>	<b>Electrimotion</b>	It is important to note that unsafe driving practices will be enforced at all events. Any driver in which is deemed to be in breach of the rule will be disqualified.	Mandatory
<b>§156</b>	<b>Length of the race course</b>	Length of the racing course for Top Fuel is 1000 ft (304.8 meters)	Mandatory
<b>§157</b>	<b>Canopy</b>	If a sc "canopy" over the driver compartment is used, it should be mounted with 8 red-marked ½ inch bolts reachable from the outside for the safety team.	Mandatory
<b>§158</b>	<b>Driver Compartment in Canopy-cars</b>	The driver compartment should be equipped with a fire extinguisher and fresh air bottle connected to the driver's helmet.	Mandatory