



TOP DRAGSTER

TOP DRAGSTER

Vehicle Types Allowed:

- Dragsters and open-bodied altered-type vehicles only
- Alteredds must have open front wheels

Competition Format:

- 32 car field
- Dial-in elapsed time (E.T.) racing
- Minimum dial-in: 6.00 seconds
- Maximum dial-in: 7.70 seconds
 - Any laps faster than 5.950 seconds- that run will be thrown out
- Eighth-mile equivalents: 3.70 to 4.99 seconds

Vehicle Designation:

- Must display "TD" (Top Dragster) followed by car number
- Car number must be at least 4 inches high

FUEL SYSTEM (IHRA)

- Fuel lines must be isolated from the driver compartment using:
 - A subfloor, or
 - Steel-braided lines (if the engine is in the rear and the fuel tank is in front of the driver).
- No part of the fuel system may be mounted on:
 - The firewall, or
 - In the flywheel/flexplate area.
- Fuel tank requirements:
 - Must have enough capacity to complete a full run.
 - Refueling after the engine has started is prohibited.
 - Must have a positive locking screw-on cap.

TOP DRAGSTER

- Must be vented to the outside of the body.

SUPERCHARGER

- Permitted types:
 - Roots-type
 - High-helix Roots-type
 - Centrifugal
 - Screw-type
- Screw-type superchargers must:
 - Meet SFI Spec 34.1.
- Mandatory safety equipment for screw-type superchargers:
 - Manifold burst panel meeting SFI Spec 23.1.
 - Restraint system meeting SFI Spec 14.21.
- Restraint requirements:
 - Front-engine cars must use SFI Spec 14.2 or 14.3.
 - Rear-engine cars must use SFI Spec 14.1, 14.2, or 14.3.
- Additional guidelines:
 - Restraint straps must be covered with fire-resistant material.
 - Supercharger restraint straps and fuel lines must be installed so that:
 - When the straps are fully extended, no load is placed on any fuel lines.

Brakes

- Minimum of two rear-wheel hydraulic brakes required.
- Hand brake (if used) must be located inside the body or driver's compartment.
- Steel brake lines are mandatory.
- Brake lines passing the engine in rear-engine cars must be shielded; shielding is recommended for all cars.

Steering

- A device must be used to prevent the steering shaft from injuring the driver during a frontal impact.
- The steering shaft must attach to the steering box with a positive locking device (no rolled or pressed pins allowed).

Pinion Support

- A rear axle and/or pinion housing anti-rotation device is mandatory.
- Must be of rigid design.
- Must be attached directly from the frame or a suitable crossmember to the rear axle or pinion housing.

TOP DRAGSTER

- Designed to prevent rotation in either direction on unsuspended rear ends.

Suspension

- Any type of automotive suspension is permitted.
- Rigid-mounted rear axles are allowed.
- Rigid-mounted front axles are allowed if the wheelbase is 120 inches or more.
- A device must be in place to protect the oil pan from contacting the track in the event of excessive frame flex, tire, or wheel failure.
- For front suspensions using a beam or tubular axle:
 - Radius rods must be attached to the frame.
 - Radius rods not required on front axles rigidly mounted 18 inches or less from the kingpin.

Chassis

- Must have SFI sticker affixed to frame for applicable E.T. before competition.
- Rear-engine dragsters must conform to SFI Spec 2.1, 2.3, 2.5, or 2.7.
- Front-engine dragsters must conform to SFI Spec 2.2, 2.4, or 2.6.
- Alters must conform to SFI Spec 10.1E, 10.2, or 10.3.
- Side-steer alters must meet SFI Spec 10.4 for applicable E.T. before competition.

Deflector Plate

- Mandatory on rear-engine cars.
- Must be installed between roll cage and engine to protect the driver.
- Minimum material:
 - .125-inch aluminum, or
 - .060-inch steel.

Wheelbase

- Rear-engine dragsters: Min 150 in., Max 300 in.
- Front-engine dragsters: Min 150 in., Max 300 in.
- Alters: Min 120 in., Max 150 in.
- Max allowable wheelbase variation (left to right): 2 inches.

WHEELS & TIRES

Tires

- Front tires must have minimum 13-inch diameter.

Wheels

- Automotive-type wire wheels allowed on dragster front axle only, if car weighs 1,800 lbs or less (excluding driver).

TOP DRAGSTER

- Front-wheel fairings prohibited.
- SFI Spec 15.1 rear wheels with beadlocks or liners required on any vehicle running 6.50 or quicker or at 210+ mph.

Airfoil

- Must include a positive-locking device to prevent accidental movement.
- Side-mounted canard-type units are allowed.
- No part of the canards or wings may be within 6 inches of rear tires.
- A rear wing is mandatory on all cars exceeding 200 mph.
 - Minimum wing area: 360 sq. in.
 - Maximum wing area: 750 sq. in.
 - Minimum height: 55 inches (measured vertically from the trailing edge to the ground).
- Spill plates must:
 - Be flat, straight, and parallel.
 - Measure a minimum of 50 sq. in. each.
- The leading edge of the wing must be no more than 10 inches forward of the rear axle centerline.
- Negative downforce or lift generation is prohibited.
- No adjustments or movement of the wing during the run are allowed.

Body

- Body and cowl may be made of metal, fiberglass, or carbon fiber.
- Must extend forward to the firewall.
- Altered class entries must use reproduction pre-1949 roadster or open-wheeled IHRA-accepted bodies (e.g., 1936–48 Fiat, Volkswagen, etc., with roof exit).
- Driver compartment, frame, roll bars, and body must be designed to prevent contact between the driver's body/limbs and:
 - Wheels
 - Tires
 - Exhaust system
 - Track surface
- If the driver's body contacts the belly pan, a crossmember and subfloor are mandatory.
- Front overhang may not exceed 30 inches from the forwardmost spindle centerline.

Safety

- Arm Restraints

TOP DRAGSTER

- **Mandatory.**
- **Credentials**
 - **IHRA Competition license and IHRA Top Dragster number required.**
 - **Appropriate 3A or 3B license code and IHRA membership mandatory.**
- **Driver Restraint System**
 - **Minimum 5-point system meeting SFI Spec 16.1**
 - **Minimum 6-point system meeting SFI Spec 16.1 or**
 - **7-point system meeting SFI Spec 16.5 is mandatory.**
 - **In open-bodied, front-engine, supercharged methanol-burning vehicles:**
 - **Belts must be covered with a fire-resistant covering.**
 - **Belts must be replaced every two years from the manufacture date.**
- **Helmet Requirements**
 - **For open-bodied, naturally aspirated gasoline or methanol-burning cars:**
 - **Full-face helmet meeting Snell M2015, M2020, SA2015, SA2020 or FIA 8860-2010, 8859-2015, 8859-2024, 8860-2018 mandatory.**
 - **Shield required; goggles prohibited.**
 - **For open-bodied, front- or rear-engine cars with supercharger, turbocharger, or nitrous:**
 - **Same helmet and shield requirements as above.**
- **Head and Neck Restraint System**
 - **Mandatory SFI 38.1-compliant device with valid SFI label.**
 - **Must be used from ready line through return road.**
 - **Device must be properly mounted, used per manufacturer's instructions.**
 - **Modifications are prohibited.**
 - **If no neck collar used:**
 - **An SFI 3.3 head sock or SFI 3.3 skirted helmet is required.**

Protective Equipment

- **Standard Requirement:**
 - **Jacket and pants or suit: SFI Spec 3.2A/15**
 - **Gloves: SFI Spec 3.3/5**
 - **Boots/shoes: SFI Spec 3.3/5**
- **For front-engine open-bodied vehicles with supercharger/turbocharger:**
 - **Jacket and pants or suit: SFI Spec 3.2A/20**

TOP DRAGSTER

- **Gloves: SFI Spec 3.3/15**
- **Boots/shoes: SFI Spec 3.3/15**