



## TOP DRAGSTER

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#### Vehicle Types Allowed:

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

#### Competition Format:

- 32 car field
- Dial-in elapsed time (E.T.) racing
- Minimum dial-in: 6.10 seconds
- Maximum dial-in: 7.70 seconds
- 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.
  - 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.**
- **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).
- 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
  - 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
  - Gloves: SFI Spec 3.3/15
  - Boots/shoes: SFI Spec 3.3/15