



QUICK ROD

Quick Rod

Quick Rod Rules

- Designation: Q/R, preceded by car number.
- ET Standard: 8.90 seconds (5.70 for eighth-mile tracks).
- Starting System: Heads-up, .400 Pro Tree
- Eligible Vehicles: Dragsters, alteredds, roadsters, Funny Cars, Pro Stock-type cars.
- Prohibited: Motorcycles.
- Minimum Weights:
 - Standard cars: 1,350 lbs (including driver).
 - 4- and 6-cylinder cars: 1,000 lbs.
 - Dragsters with naturally aspirated OEM motorcycle engines (2–4 cylinders) & OEM transmission: 700 lbs.

REQUIREMENTS & SPECIFICATIONS

Engine

- Harmonic Balancer: SFI 18.1 not required for rear-engine dragsters with naturally aspirated OEM motorcycle engines.

Fuel

- Nitrous Oxide: Permitted

DRIVETRAIN

Clutch, Flywheel, Flywheel Shield, Chain Guard

- Aftermarket billet flywheel or IHRA-accepted flywheel shield mandatory.
- Prohibited: Stock steel or cast aluminum flywheels.

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- Allowed: Keyway modifications, centrifugal/slider/conventional motorcycle clutches.
- Chain Guard:
 - Must cover entire top run and centerline of sprockets.
 - Minimum materials: .060" steel or .090" aluminum.
 - Must be within 4 inches of the chain.
- Belt Drive: Permitted.

Transmission

- For rear-engine dragsters with OEM motorcycle engines & OEM transmissions:
 - Can be shifted by timed/rpm-activated electrical, mechanical, pneumatic, or hydraulic device.
 - Rpm-based shifters cannot include time delay or connect to delay box/device.
 - Time-based shifters cannot connect to ignition system.
 - Reverse Gear: Optional.

BRAKES & SUSPENSION

Brakes

- Cars $\leq 1,000$ lbs with one-piece rear axle may use a single rotor with dual calipers.

Steering

- Butterfly wheel allowed for front/rear-engine dragsters and alteredds.

Traction Bar Rod Ends

- Must use $\frac{3}{4}$ " minimum steel rod ends on all ladder/four-link bar fronts.

FRAME

Deflector Plate

- Required between roll cage and engine in rear-engine cars.
- Materials: $\frac{1}{8}$ " aluminum or .060" steel minimum.

Pinion Support

- Mandatory for front-engine cars.

Wheelbase & Tread Width

- Minimum Wheelbase: 90 inches.
- Max Left/Right Variation: 2 inches.
- Minimum Front Tread Width: 26 inches for dragsters.

TIRES & WHEELS**Tires**

- Minimum front tire diameter: 13 inches.

Wheels

- Wire wheels allowed on dragster fronts only if total car weight (excluding driver) $\leq 1,800$ lbs.
- Minimum front wheel diameter: 5 inches.
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BODY**Air Foils**

- Permitted. Front spoiler/air dam can't project more than 30" ahead of front-spindle centerline.

Body

- Must be metal, fiberglass, or carbon fiber.
- Must extend to firewall.
- Must prevent driver contact with wheels, tires, exhaust, or track.
- If body contact with belly pan: subfloor and crossmember required.
- Hood Scoop Limits:
 - Full-bodied cars: $\leq 11"$ above hood surface.
 - Open-bodied, front-engine cars: $\leq 11"$ above carburetor top.

Fenders

- Required on full-bodied cars.

Spoilers/Wings

- Non-OEM wings allowed.
- Must be permanently affixed and nonadjustable during run.

Driver Safety Requirements

- Arm Restraints:
 - Mandatory in open-bodied cars.
- Credentials:
 - Valid IHRA Quick Rod license required.
- Helmet Requirements:
 - Closed-bodied cars: Full-face helmet, Snell (M2015, M2020, SA2015, SA2020) or FIA (8860-2010, 8859-2015, 8859-2024, 8860-2018).
 - Open-bodied supercharged/turbocharged cars: Same as above, full-face and shield mandatory.

- Open-bodied naturally aspirated gasoline/methanol: Full-face and shield mandatory; goggles prohibited.
- Neck Collar:
 - SFI Spec 3.3 neck collar mandatory.
- Protective Gear:
 - Jacket & pants: SFI 3.2A/5 or 3.4/5, gloves: SFI 3.3/1 (minimum).
 - For:
 - Supercharged/turbocharged alcohol-burning vehicles.
 - Vehicles with auto trans inside driver compartment:
 - Jacket & pants or suit: SFI 3.2A/15.
 - Gloves & footwear: SFI 3.3/5.
 - Open-bodied cars without SFI 3.3 neck collar:
 - Must use SFI 3.3 head sock or skirted helmet.