



## **SUPER ROD**

### **Super**

#### **General Class Info**

- Races on a 9.90 ¼ mile or 6.30 1/8<sup>th</sup>-mile index using a .400 pro tree.
- Reserved for full-bodied cars (fenders, hood, grille, top, windshield, doors) and left-hand steer roadsters.
- Open-wheel altered, dragsters, Funny Cars, motorcycles prohibited.
- Minimum weight:
  - 2,100 lbs. (with driver).
  - 1,200 lbs. for 4-cylinder cars.

#### **Engine Requirements**

- Oil Retention Device:
  - IHRA-accepted device or belly pan required.
  - Belly pan must extend frame-to-frame, front of harmonic balancer to rear-engine plate.
  - Must have a 2-inch lip on all sides.
  - Must include a nonflammable oil-absorbent liner.
- Fuel:
  - Nitrous oxide permitted.

#### **Drivetrain Requirements**

- Aftermarket Planetary Transmission:
  - Shield meeting SFI Spec 4.1 mandatory for supercharged, turbocharged, or methanol-burning cars.
- Automatic Transmission:
  - Flexplate must meet SFI Spec 29.1.
  - Flexplate shield must meet SFI Spec 30.1.

#### **Brakes & Suspension**

- Brakes:
  - Two rear-wheel hydraulic brakes required.

- **Suspension:**
  - Any automotive suspension allowed.
  - Rigid-mount axles okay:
    - Front if wheelbase  $\geq 100$  inches.
    - Rear permitted.
  - Front suspension with beam/tubular axle must have radius rods to frame.
  - No radius rods needed if axle is rigid-mounted  $\leq 18$  inches from kingpin.
  - Shock absorbers and rear suspension are optional.

### Frame

- **Roll Cage:**
  - Mandatory and must meet specs for body style used.
  - Vehicles 180+ mph must meet SFI Spec for that body.
- **Roll Cage Padding:**
  - SFI 45.1 padding required anywhere the helmet might contact the cage.

### Interior

- **Window Net:**
  - Required for all full-bodied cars.
  - Must be ribbon-type or SFI 27.1 mesh-type.

### Driver Safety Requirements

- **Arm Restraints:**
  - Mandatory in open-bodied cars.
- **Credentials:**
  - Valid IHRA Super 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.**