



# Hobby Stock Rules

(version December 8, 2021)

## **Introduction**

These rules are to be used to govern Hobby Stock events at Fulton Speedway and Brewerton Speedway. Speedway management reserves the right to amend these rules as necessary in the interest of competition. All rulings by the Speedway technical staff are final. While these rules offer a good guideline, not everything can be covered by a written rule. Any part can be deemed illegal at any time.

For further information on technical rules contact track Technical Inspector, Russ Marsden, at (315) 529-1983.

## **I. PROCEDURAL**

1. Refer to the DIRTcar Rulebook at [www.dirtcar.com](http://www.dirtcar.com) for procedural and disciplinary rules which governs all on and off-track activity at the Fulton and Brewerton Speedways.
2. All drivers must be licensed members of DIRTcar in order to compete at the Fulton and Brewerton Speedways. Find the DIRTcar membership (DIRTcar UMP Factory Stock) information and application at [www.dirtcarmembers.com](http://www.dirtcarmembers.com).

## **II. DRIVER SAFETY AND RACING EQUIPMENT**

Each competitor is solely responsible for the effectiveness and proper installation, per the manufacturer's specifications, of personal safety equipment and determining it to be adequate for competition at every event. Each competitor is expected to investigate and educate themselves for continuing improvement regarding their own personal safety equipment.

### **1. Helmets**

- a. All drivers must wear a full-face helmet with a minimum safety rating of FIA 8860-2010, FIA 8860- 2018, Snell SA 2020, Snell EA 2016, Snell SA 2015, Snell SA 2010, Snell SAH 2010.

### **2. Head and Neck Restraint System**

- a. The use of SFI 38.1 approved (legible and valid SFI 38.1 label) Head and neck restraint is strongly recommended for 2022 and will be required for 2023.

### **3. Seat Belt/Restraint System**

- a. Each car must be equipped with minimum of an SFI 16.5 or SFI 16.1 approved restraint system. Restraint system will be eligible for use in competition for 2 years from the date of manufacture or the expiration date. Seat belt restraint systems shall be installed and used in accordance with manufacturer's instructions.
- b. In any type of manufacturer's installation, the fasteners must be as supplied by the manufacturer unless using type of mount in which the seat belt wraps around the roll cage.
- c. Seat belt material should not be permitted to come in contact with any sharp or metal edge, including when the material passes through the seat.

### **4. Protective Clothing**

- a. All drivers are required to wear a fire-resistant driving uniform meeting minimum of the SFI 3.2A/5 specification and display a valid SFI 3.2A/5 label on the outside of the uniform.
- b. Drivers must wear gloves at all times they are on track. Driver's gloves must meet or exceed the SFI 3.3 specification and have a legible and valid SFI 3.3 label.

- c. All drivers should wear fire resistant accessories including but not limited to; head sock, under garments, shoes, and socks. Shoes should meet minimum of the SFI 3.3 specifications and display a valid SFI 3.3 label
5. **Seats**
- a. Aluminum and/or carbon fiber-type composite seats only permitted. If a carbon fiber-type composite seat is used it must meet the SFI 39.2 ratings. Aluminum seats with an FIA and/or SFI 39.2 rating are recommended.
  - b. All seats must be mounted to the frame as required by the seat and chassis manufacturer. Full containment seat(s) are recommended.
  - c. All areas surrounding the head should have padding.
  - d. The driver's seat must be securely fastened to the frame and/or cage in six positions with a minimum of six (6) 3/8"-inch bolts, grade 5 or better. There should be a minimum of four (4) bolts on the bottom and two (2) in the back of the seat.
  - e. All seats must be a minimum of 1/8"-inch magnetic steel plate under and up the back 4" inches and be as wide as the seat. Only single piece high back type seats are permitted.
6. **Other General Safety Items**
- a. All cars must be equipped with an SFI 27.1 certified driver's side window net securely mounted to the roll cage and in place during activity on track.
  - b. Sharp and/or protruding edges in and around the cockpit will not be permitted.
  - c. SFI-approved and labeled seat, roll bar, knee and steering pads and/or padding is recommended
  - d. All teams must have a minimum of 2.5 lb. fire extinguisher in their hauler with minimum ABC rating.
  - e. Battery cannot be mounted in the driver's compartment. No exceptions.
  - f. Ballast weight must be mounted securely with at least two (2) grade 8 bolts and painted white with car number on it mounted inside the frame rail.
  - g. Car must have an approved fuel cell, with metal can. All fuel cells must have rubber flaps.
7. **Racing Equipment**
- a. All drivers must have a one-way radio tuned to channel 454.000 during all on-track activity including hot laps.
  - b. Mylaps transponders optional in 2022. Will be required in 2023.

### **III. CHASSIS**

1. **Car and Body**
- a. Open to any American made rear wheel drive production car.
  - b. Full frame cars may replace rear frame after kick-ups with 2 x 3 tubing.
  - c. Stock unibody cars must use 2 x 3 tubing from front clip to end of chassis. No jig-built cars. Fabricated floor must run from top of transmission to right hand door.
  - d. No torque arm cars.
  - e. Minimum weight of 3200 lbs. with driver at completion of race. Track scales will be used to determine weight and will be final. Ballast weight must be mounted securely with at least two (2) grade 8 bolts and painted white with car number on it mounted inside the frame rail.
  - f. Four-point roll cage minimum with four (4) door bars on driver's side, front and rear hoops 1 3/4" .095 tubing.
  - g. Stock steel bodies, aftermarket steel or aluminum bodies allowed but must remain stock appearing. Fiberglass hood allowed, max 5" spoiler allowed. No late model looking bodies.
  - h. No cock pitting.

- i. Must run stock appearing nose or factory style bumper.
  - j. Floor and firewall it must be minimum .22 gauge steel.
  - k. All cars must be presentable.
  - l. Door intrusion plate mandatory.
  - m. Tow chain front and rear required.
  - n. No underslung frames.
2. **Front Suspension**
- a. All suspension and steering components must be OEM and in stock location with the exception of steel tubular non-adjustable replacement upper control arms. Allowed a solid welded one-piece upper control arm 8 ½ - 10 ½. Lower control arms must be stock.
  - b. Steering quickeners allowed.
  - c. Non-adjustable spring cups allowed or must be welded. No wedge/jacking bolts.
  - d. One non-adjustable non-rebuildable shock allowed per wheel. Welded heim end only. 7" or 9' permitted.
  - e. Rear shock must be + or – 1" from stock location. Rear can be heim end.
  - f. Racing springs allowed.
  - g. Chassis components must be same as chassis being used.
  - h. Shocks may not exceed \$100.00 per shock.
  - i. Screw-in lower ball joints allowed.
3. **Rear Suspension**
- a. Steel multi-leaf springs permitted only. Single hole only front and rear. No mono, no fiberglass, etc.
  - b. No pull bars. No 3 link, no panhard or j-bars allowed.
  - c. Shackles allowed, one hole only.
  - d. No wedge/jacking bolts.
  - e. May run Ford 9" with bolt in axles. Floaters allowed.
  - f. Aftermarket upper and lower trailing arms (stock replacement, non-adjustable only). 14 inch max height. Equal height for both sides.
  - g. Racing springs allowed. Coil car 14" max rear height.
  - h. Non-adjustable spring cups permitted. No aftermarket rear upper spring buckets.
  - i. Rear end mounts must all be in stock location, no exceptions.
  - j. All suspension components must be in OEM locations.
  - k. Steel spool allowed, no lockers or traction control components.
4. **Brakes**
- a. Four-wheel brakes mandatory.
  - b. Balance bar permitted.
  - c. OEM steel calipers only.
  - d. Aftermarket master cylinders allowed.
5. **Tires and Wheels**
- a. Steel wheels only with maximum width 8".
  - b. Beadlocks allowed.
  - c. Any offset permitted.
  - d. Wheel spacers permitted but must have full lug nut on stud..
  - e. No wide 5 hubs allowed.
  - f. 1" lugs are mandatory.
  - g. 5/8" wheel stud mandatory.
  - h. Hoosier Racing Tire part #36149 "soft" 26.5/8.0-15; part # 36156 "soft" 27.5/8.0-15; or all-season DOT tires permitted.

- i. Grooving and siping permitted.
- 6. **Transmission, Bellhousing, Driveshaft**
  - a. Any automatic or standard OEM transmission allowed. No direct drives allowed. Standard transmission must have steel bellhousing and stock or stock replacement clutch and flywheel, no smaller than 10.4". No lite weight or triple disc allowed.
  - b. Automatic transmission minimum of 11" functional torque converter.
  - c. Steel drive shaft painted white only.
  - d. Drive shaft loops mandatory 6" from front u joint and another in middle of driveshaft.
  - e. All gears must work.

#### **IV. Engine**

- 1. **Option A – Factory sealed 602 GM Crate**
  - a. All crate engine rules from DIRTcar Sportsman class are in effect (See DIRTcar Rulebook for crate engine specifics )
  - b. Box stock 4412 carb.
  - c. Factory seals only.
- 2. **Option B – Open Engine**
  - a. All engines must remain stock stroke configuration for manufacturer and cubic inch.
  - b. Stock replacement cranks unaltered allowed with minimum 52 lbs. No lightweight crankshafts.
  - c. Flat top or dished pistons only, flat tops must be 2 or 4 valve relief. May use ibeam rods, no H beam or billet
  - d. Max overbore GM 350 .060, Ford 351.060, Chrysler 360.040
  - e. Stock production blocks only.
  - f. Cast iron stock production heads only. No Bow Ties. Vortec heads 062 and 906 permitted with stock valve.
  - g. No race flow or undercut valves allowed.
  - h. No porting of heads or intake allowed.
  - i. Screw in studs and guide plates allowed max 3/8 stud, no stud girdles.
  - j. No roller cams allowed, no 4/7 swap allowed. Hydraulic camshaft and lifter only.
  - k. Engine must be in stock location. The center line of the lower ball joint to the back of the engine must be 15 inches.
  - l. Factory stock distributor, points or HEI allowed. No circuit board modules. Lockout plated permitted to eliminate advance. Must remain factory firing order.
  - m. Twelve (12) volt system only.
  - n. Box stock 4412 carb.
  - o. One-inch (1") unaltered carb spacer.
  - p. Stock cast iron 2-barrel unaltered intake only. Unaltered 602 crate intake allowed with crate heads.
  - q. Stock style under car headers and stock exhaust manifolds allowed. Crossover headers allowed. No 180, no tri-y or merge collectors permitted.
  - r. Mufflers mandatory, must exit behind driver. 3" pipes max, no 2 into 1 muffler allowed or h or x pipes.
  - s. Site plug mandatory 3-6 inches from front pan on left side. Exception – crate engine.
  - t. Stock rocker arms only. No mixing ratios, no roller rockers, no roller tip rockers allowed. No stud girdles.
  - u. Aluminum or cast-iron water pumps permitted.
  - v. Max valve spring diameter 1.25 with steel retainers only.