

Mid Missouri Modified Midget Racing Association

STOCK Class Rules

--2026--

Stock class rules apply to ALL STOCK Classes with the exception of the following additions in these specific classes:

Stock "Wing" Class:

- 10 sq. ft. wing (Rule #13)
- Drivers must be 12 years of age
- 750 lb. minimum weight

Stock "Non-Wing" Class:

- NO WINGS
- Drivers must be 12 years of age
- 750 lb. minimum weight

Stock "Restrictor" Class:

- 10 sq. ft. wing (Rule #13)
- Drivers must be 9 years of age or older
- **725 lb. minimum weight**
- Carburetors or Fuel Injection – ODUM Intake Adapters are allowed
- 3/4" Restrictor Plate (**KING PLATE Only**)



GENERAL:

- a.) Engine Rules Follow NOW600
- b.) No cockpit adjustments. Any adjustment reachable by driver MUST be disabled, except for carbs.
- c.) ANY Tire manufacturer allowed. Tire Prep/Dope is NOT allowed (Rule #10)
- d.) Weight 750#
- e.) Fuel Bladders NOT Required, but STRONGLY RECOMMENDED!

1. Roll cage. Roll cages shall be at least 1 inch diameter x .062" wall thickness. .065" wall thickness allowed on tubing 1 1/8 inch diameter or larger. Roll cage shall be made of chromoly steel or equivalent material. The front section of the cage shall be no further back than the steering wheel. Roll cage shall have sufficient fore and aft bracing and strength to support the weight of the car & driver in case of an upset. Cage shall have gussets at the intersecting bars to the uprights. Bends must have at least 3 inch radius. No square or pointed corners allowed. Roll cage must be a minimum of 3" above the drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

2. Bumpers And Nerfs. Car must have bumpers extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of the tires to the bumpers. Nothing may extend beyond the outside edge of the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with nerfing bars. Nerfing bars must extend to inside edge of tires, but not more than 1 inch beyond the outside of the rear tires.

3. Safety. Seat belts must be securely attached to the car and used at all times. Metal to metal latches only. 5 point seat belts, shoulder harness and sub strap are required. Belt dates must not be over three years old. (Example: Oct 21 may be used in 2022, 2023 and 2024.) Arm restraints are mandatory and must be adequately adjusted to keep the drivers hands below the top of the roll cage. Helmets must be full head coverage competition type with one of the three latest SNELL approvals (2010, 2015, 2020) or FIA 8860 or SFI 24.1 for Youth Helmets. Nomex head socks recommended. All drivers will wear a name brand flame-retardant uniform. Neck braces and/or cage nets with a SFI 3.2-1 rating or higher or Total Head containment seats are mandatory. SFI gloves are mandatory for safety. Flame retardant undergarments (long underwear, long sleeve shirt, socks and head sock) and shoes are strongly recommended.

4. Electrics and Electronics. On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be connected and functional. No radio communication is allowed with the car or the driver.

5. Battery. All wet cell batteries mounted in the cockpit must be covered and vented outside the cockpit area.

6. Fuel. "Stock" Class cars may run gasoline, ethanol or methanol. **No performance enhancing additives are allowed!**

7. Suspension.

Tread: Maximum 65 inches outside to outside of rear tires. Minimum 32 inches, center to center of tires. **Wheelbase;** Maximum 70 inches. Minimum 50 inches, center of front axle to center of rear axle.

Steering; Front wheels must be connected by a solid or tubular tie rod. Rear wheel drive only.

All suspension bolts except wheel nuts must be secured by some type of locking device.

8. Shocks. Any shock absorber legal, except No Cockpit Adjustable Shocks.

9. Brakes. Brakes will be of sufficient strength so as to slide the wheels while the car is in motion at any given time.

10. Tires And Wheels. ANY Tire manufacturer with approved tire. Any wheel size and tire size combination may be used, but tires may not exceed 22 1/2 inches in height. Wheels must be held on with 3 or more standard lug nuts or knock-off hubs.

Approved Right Rear tires are: Hoosier "ASCS2" stamped and American Racer-70.0/13.0-10BT SPEC.

Right Rear Tire must durometer 45 or harder no later than five minutes after the checkered flag.

Tires may be grooved and siped. (Tire prep/dope is NOT allowed).

11. Bodies. All cars must have complete bodies with tail section in place. There must be a metal firewall between driver and engine, made of 24 gauge steel or .0625" aluminum. No rear view mirrors. The only part of the car allowed to be dismantled for driver to enter or exit is a quick release steering wheel hub. The minimum opening on the right side of the car will be 10" from the bottom of the roll cage to the top of the mud guard or sissy bar and 14" minimum width (a 1" tolerance in either direction is allowed). Floor pan must extend from the front of the seat to a place forward of the driver's feet on top of cross members and lower frame rails. All mechanically operated devices must be mounted below the driver's shoulders for safety. All fuel tanks must be equipped with a one-way check valve designed to prevent the spillage of fuel from the fuel tank vent in the event of a rollover. Body Panels may not extend more than 1" beyond the rear cage downtubes.

12. Transmission. Any car equipped with a shifting mechanism must have this device mounted in the driver's compartment. Shift levers may be mounted outside the driver's compartment on opposite side of car from the chain drive. Chain guards will be made of .090 inch thick aluminum or equivalent and will run on top of chain from the front of the front sprocket to the center of the rear axle. Driver must not be able to touch the chain or sprockets while sitting in the cockpit.

13. Wings. Cars must run a 10 square foot maximum Top Wing with a one piece center section (**no multi stage airfoil wings allowed**). Airfoil must be parallel with roll cage side to side. Sideboard, left side, maximum 24" tall x 48" long. Sideboard, right side, maximum 18" tall x 48" long. No part of the wing may extend beyond the width of the tires as driven (including but not limited to the center section, sideboards, or bracing). Wing position no farther back than the rear of the roll cage behind driver's head (roll cage may not be altered to change this point). Measurements for the wing placement will be taken from the back edge of the center section of the wing, not the sideboards. No mechanical, electrical or hydraulic adjustments are allowed in the cockpit area.

Nose Wings are allowed. If a nose wing is used, the center section may not exceed 18" x 24" with sideboards no larger than 9"

tall x 21" long (**no multi stage airfoil wings allowed**).

14. Numbers. All cars must have legible numbers on both sides of car and the nose. Minimum height of numbers is 8" on the nose or nose wing, 10" on each side of the tail and 12" on the wing. NON WING cars to have the Car Number, 6" tall, at the top of the Right Side A Panel, easily visible in a CONTRASTING color. This number needs to be visible to the Score Tower to aid in lineups & scoring. A "Go Kart" style number plate zip tied to the roll cage is acceptable.

15. License. No license is required to enter a night's event (Minimum age requirements must be met, Rule #1).

16. Ballast. Any material used for ballast must be firmly attached as a part of the car's structure. No loose ballast allowed (including fuel).

17. ENGINE: 600cc, NO 636's, 4-cylinder 4 stroke as comes on a stock production bike for public sale in the U.S.A No current year production engines. Except as noted, all internal and external engine parts must remain stock with no modifications, metal removal, or blueprinting. Valve seat inserts may be reworked. Valve springs may be shimmed with standard or aftermarket shims. Cylinder head combustion chambers may be cleaned by bead blasting with valves seated in place. Cylinder head gaskets may be replaced only with original equipment manufacturer's stock parts (All 3 layers of the head gasket must be used.) All other gaskets may be replaced with duplicate aftermarket parts. Light cleaning of gasket surfaces with steel wool, Scotch-Brite, etc. is allowed. Transmission gears may be shimmed only for the purpose of proper engagement. Standard on aftermarket shims may be utilized. Aftermarket cam chain tensioner allowed for safety of motor. Stock Cams may be timed/degreed. Milling the head & decking the block is allowed. Electronic fuel injection allowed, no "Outlaw" style mechanical injection, must be stock throttle body. No mixing manufactures (i.e. Suzuki on Suzuki, Yamaha on Yamaha.) Fuel injection engines may run carburetors. Injected with power commander allowed gas or alcohol. NO timing modules allowed. Fuel injection engines running carbs may change all fuel metering devices to tune fuel curve, Billet intake boots allowed. Modification of oil pan & pick up allowed or aftermarket ok. Modification to thermostat cover allowed or aftermarket ok. Modification to water pump cover allowed or aftermarket ok. Any air box, stock appearing CDI, aftermarket washable replacement air filter, power commander on fuel injection models only. Any 600cc OEM CV carburetors (no flat sides allowed Stock ECU, FuelTech FT550, PE3-IG2 and PE3-8400 Engine control units are permitted for use with carburetors and Stock Fuel Injection. NO flammable liquids allowed in cooling systems.

EFFECTIVE 2026: The following CP-Carillo connecting rods will be allowed: Suzuki- 06/Present #PSR9586, Yamaha 99/00 #PSR5554, Yamaha 01/05 #PSR9585, Yamaha 06/Present #PSR9584, Kawasaki 07-12 #PSR10386, Kawasaki 13/Present #PSR9661

All stock classes will be allowed to run Electronic or Mechanical Injectors with a mechanical fuel pump with stock OEM throttle bodies or carbs ONLY will be allowed. No mixing of manufacturers.

18. Items Subject to Nightly Tech Inspection

- Fuel
 - No performance enhancing additives
- Bore & Stroke
 - Stock Dimensions, 600cc Max.
- Intake & Exhaust Ports
 - Stock size & finish, NO PORTING!
- Injection System
 - OEM components matching engine Make, no "crossbreeding"
 - Matching components to include: CDI Box & Wiring Harness (Unless running PE3 or FuelTech components) & Throttle Bodies
 - Mechanical Fuel Injection (Mechanical Fuel Pump and nozzles) using stock OEM Throttle Bodies is allowed. No mixing of manufacturers.
- CDI/ECU – Black Box
 - Stock appearing OEM ECU, PE3-IG/IG2, PE3-8400 & FuelTech FT550 Engine Control Units are permitted
- Transmission
 - All gears intact and functional
- Carburetors & Airbox
 - OEM production Motorcycle CV Style Carburetors (No Flat Slides)
 - Aftermarket Airbox is allowed
 - No cones in carburetors or airbox

Richard Kreisel
03/01/26

Rev. 1- Wing Sideboard Offset Removed & Right side Opening 10" x 14" - 05/08/14
Rev. 2- Claim amount revised to \$2,000 (was \$1,500) & Durometer variance – 12/08/14
Rev. 3- Added SFI 24.1 to Helmet – 01/15/15
Rev. 4- Revised Nerf Bar projection & Electric Water Pump/Oil Cooler – 02/27/15
Rev. 5- Clarified Ignition Trigger Wheel Indexing Tab – 03/13/15
Rev. 6- Corrected Lugnuts to match other classes & Added PCR OK Restrictors – 09/10/15
Rev. 7- Added NW side number – 05/04/16
Rev. 8- Added Tech Inspection to the Claim Rule & Updated Helmet & Seat Belt spec. – 12/14/16
Rev. 9- Added KING Restrictor Plate – 04/30/17
Rev. 10- Restrictor - KING Plate Only!, Fuel Injection allowed in 2019 – 2/09/18
Stock Classes - Yamazuki & Sliding Stack Suzuki Injection NOT allowed!

- Rev. 11- Added Mechanical Fuel Injection Using Stock Throttle Bodies & Added PE3 Ignition - 3/29/19
Stock Classes - Sliding Stack Injection IS allowed on all engine makes
- Rev. 12- Clarified Cam Gears to include "Stock Cam Timing" – 03/05/21
- Rev. 13- Clarified Claim Rule including Price, Tech Compensation and Possession/Transportation if necessary – 06/15/22
- Rev. 14- Added FuelTech as acceptable Ignition – 01/16/23
- Rev. 15- Updated Belt & Helmet Dates – 1/26/24
- Rev. 16- Any Tire Mfg allowed, updated Durometer wording to match – 1/24/25
- Rev. 17- Changed to NOW600 Engine Rules – 3/01/26