

## WFO Restricted Micro



### RESTRICTOR

1. **Age.**

Drivers aged 9-16 may compete in the Restrictor Class. (A driver whose 16th birthday falls during the racing season will be allowed to finish the season in which they began accruing points before their birthday. Racing season starts April 5th.) If a driver in the Restrictor class chooses to run Outlaw class at a Coles County Speedway points event, they may not run more than 5 races in that higher class. On the 6th time, they cannot move back down to Restrictor.

2. **Roll cage.**

Roll cages shall be at least 1 inch .083 wall thickness, or 1 1/8-inch .065 wall thickness, or 1 1/4-inch .065 wall thickness. If running .065 wall thickness it is highly suggested to add outlaw bars made out of 1 inch .065 to your chassis. 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 inches above the driver's helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

3. **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.

4. **Fuel Methanol only.**

NITRO products are NOT allowed. Upper end lube is permitted. Fuel will be checked with a Hydrometer or any other test provided will be performed on all classes.

5. **Weight.**

4-cylinder 600cc powered cars, minimum car and driver weight 725 lbs.

6. **Suspension.**

Tread; Maximum 50 inches. 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 heels 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.

7. **Shocks.**

Any shock absorber legal, except no cockpit adjustable shocks.

8. **Wheels.**

Any wheel size and tire combination may be used, but tires may not exceed 22 1/2 inches in height. Wheels must be held on with 4 or more standard lug nuts or knock-off hubs.

9. **Tires.**

Hoosier and American Racer tires allowed. Right rear must be Hoosier ASCS2 Stamped, American Racer 70.0/13.0-10 BT SPEC, KS1 or Powri spec right rear tire and durometer 45 or harder on WFO Series durometer. Any tire that checks softer than 45 immediately after the race will be disqualified. No cool down time. You may cut, sipe, and groove these tires. NO TIRE DOPING.

**10. Bodies.**

All cars must have complete bodies. Tail sections must be in place for time trials and all races. There must be a metal firewall between driver and engine, made of 24-gauge steel or .0625" aluminum. Body of car must be made of aluminum, metal, fiberglass or high impact plastic. All

cars must be painted an attractive color or colors. 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 10.5" from the bottom edge of the top roll cage to the top of the mud guard or sissy bar and a 18" minimum opening from the front down tube to the back. The minimum opening on the left side of the car will be 10.5" from the bottom edge of the top roll cage to the top of the mud guard or sissy bar and a 20" minimum opening from the front down tube to the back. All mechanically operated devices must be mounted below the driver's shoulders for safety. No mechanical, electrical or hydraulic adjustments will be allowed in the cockpit area on multi cylinder cars. If you choose to have an inside pan hard adjuster it must be bolted to where it cannot be moved during a race by the driver. 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.

**11. Transmission.**

Four-cylinder motors must have transmission with all stock gears in working order. Any car equipped with a shifting mechanism must have this device mounted in the driver's compartment. Shift levers may mount outside the driver's compartment on opposite side of car from the chain drive. Chain guards will be made of .060-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.

**12. Wings.**

Right sideboard, maximum 48" x 18". Left sideboard, 48" x 24". The wing cannot be mounted outside the rear tires. Side boards may be offset but side boards must cover center section. Wings must be mounted parallel with cage. All wings must have 1/16" radius edges or edging. No raw edges. No wood except for ribs or spars inside center section. Nose wings cannot exceed 18"x 24" and must carry car number. Side boards not to exceed 8.5 inches tall and 21 inches long. Top wings are mandatory to enter a night's event. Cars may finish without a wing if no replacement is available. Cars must run a max 10 square-foot fixed wing positioned no further back than the back of the roll cage. The measurement for the wing placement will be taken from the back edge of the center section of the wing, not the sideboards. No cockpit adjustable wings. No split or multi-staged nose or top wings on Restricted "A" class cars. Wing center section must be one piece. No multistage top or nose wings. No offset or twisted center sections. Side boards must be 90 degrees to the center section. The sideboard kick out cannot exceed 2 inches. 3-inch maximum wicker bill allowed including stock wing turn up.

**13. Engine Rules.**

All engines must be available to the general public, from a known manufacturer, no metal shall be removed from the OEM internal rotating assembly, i.e., lightened cranks, rods, camshafts or lightened transmissions/no ceramic transmission bearings. No coatings or polishing of any internal components. Clutch assembly must have steel plates no aluminum plates allowed.

Suzuki must run factory 600cc hub assembly and pressure plate. All cars must run a 4-stroke, 4-cylinder, 600cc engine with OEM parts per manufacture Suzuki to Suzuki, Yamaha to Yamaha etc. All engines must run the stock stroke, stock bore, and stock camshaft not reground. No aftermarket cam sprockets or slotting of cam sprockets. Manual cam chain tensioner is allowed.

Aftermarket valve adjustment shims and valve spring shims are allowed. Must run stock OEM valves, springs and retainers. Valve Jobs are allowed. No un-shrouding of valve or work to combustion chamber. Cylinder head deck cleanup is allowed (flat mill only, no angle milling), maximum from stock is .010 and or 10/1000 of an inch. A stock head will be used for reference. OEM head gasket must be used and must be 0.027 minimum thick. The cars must be self- starting, and the flywheel attached to the motor. Engine must be run as it came from the factory, with the internal charging unit and stator. Voltage will be checked at the battery and stator. Visual inspection of the flywheel/stator will be performed if needed. Stock ECU, Fuel Tech FT550, PE3-IG2 and PE3-8400 Engine control units are permitted for use with carburetors and Stock Fuel Injection. Aftermarket airboxes and headers are allowed. Motors may run a windage tray & amp; or modified oil pan. No traction control devices allowed. If a part is thought to be illegal it will be confiscated until deemed not to be. Final decisions will be made by the tech director. King Restrictor Plates & TSO Red Carburetor Adaptors MANDATORY. No flat slide carbs. Carbs may have metering rods, jets and springs changed to tune the fuel curve to match our cars requirement. 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. Must be OEM to engine make. OEM boots only with injection. 600 Carburetors only. King Restrictor Plate and TSO Red Carb Adaptor ONLY. Any after-market computer controlled adjustable ignition box is legal. Examples: Stock ECU, Guhl flashed, PE3-IG2, PE3-8400, Motek, Power Commander, & Bazzaz. Engine control units are permitted for use with carburetors and Stock Fuel Injection. IF NOT SURE – ASK.

14. **No cones will be allowed.** No regular rubber hoses will be allowed. Carbs may have metering rods, jets and springs changed to tune the fuel curve to match your cars requirements.
15. **No Wheel Sensors** of any kind for traction control. No Sprocket or Transmission sensors for Traction Control. NO TRACTION CONTROL of any type specifically listed or not.