

# COLES COUNTY SPEEDWAY

## "R"(Restrictor) Class Rules

### 2009

#### SPECIFIC RULES

**1. Age.** Drivers age 10 and up may compete in the "R" Class,

**2. Roll cage.** Roll cages shall be at least 1 inch .062 wall thicknesses, or 1 1/8 inch .065 wall thicknesses, or 1 1/4 inch .065 wall thicknesses. 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 drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

**3. Bumpers and Nerf Bars.** Car must have bumper 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 or the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with Nerf bars. Nerf bars must extend to inside edge of tires, but not beyond the outside of tire.

**4. 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 06 may be used in 2007, 2008 and 2009.) 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 and one of the three latest SNELL approvals. All drivers will wear a name brand flame-retardant uniform. Neck braces, cage nets and/or head and neck restraints are mandatory. SFI gloves are mandatory for safety.

**5. Electric's 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.

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

**7. Fuel.** "R" Class 600cc powered cars must run 600 Micro Sprint USA approved fuels. No additives allowed

**8. Weight.** 4 cylinder 600cc powered cars, minimum car and driver weight 750 lbs.

**9. Suspension. Tread;** Maximum 63 inches outside to outside of rear tires. **Wheelbase;** Maximum 70 inches. Minimum 50 inches, center of front axle to center of rear axle. **Steering;** Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.

**10. Shocks.** Any shock absorber legal, except no cockpit adjustable shocks.

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

**12. Tires And Wheels. All cars;** 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. Right rear tire must be a minimum 50 durometer compound Hoosier tire PLATED "NMMA". Tire durometer check should be done at least 15 minutes after the races to allow for cool down.

**13. Bodies.** 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. 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. No mechanical, electrical or hydraulic adjustments will be allowed in the cockpit area. 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.

**14. Transmission.** Any transmission is legal. 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.

**15. Wings.** All 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 and no offset sideboards (front to rear). Sideboard, right side, maximum 18" tall x 48" long. Sideboard, left side, maximum 24" tall x 48" long. 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. All other wing specifications apply.

**16. Numbers.** Numbers must be separated from advertising so they will be readable.

**17. Ballast.** Any material used for ballast must be firmly attached as a part of the car's structure. No liquid or loose ballast such as water, fuel, oil, sand bags, rocks, log chains etc. allowed.

**18. Engine Rules.** (4 cycle multi-cylinder engines larger than 250cc but not exceeding 600cc. An approved  $\frac{3}{4}$  inch Restrictor plate must be installed 1/2 way into boot on carburetor motors and in air intake on injected motors. PLATES can not be altered in any way. Must be purchased from CCS.

**ENGINE TECH ITEMS: Bore and stroke, Restrictor plates**

**OTHER TECH ITEMS: Weight, Wing, Nerf bars, Tire Width, Spec Tire Right Rear and Fuel**