

# ***COLES COUNTY SPEEDWAY***

## ***Multi Class Rules***

### ***2011***

#### **SPECIFIC RULES**

**1. Age.** Drivers age 14, or age 12 with 1 years experience in the Restrictor Class may compete in the Multi Class.

**2. Roll cage.** Roll cages shall be at least 1 inch .062 wall thickness, or 1 1/8 inch .065 wall thickness, or 1 1/4 inch .065 wall thickness. 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. Bumpers and Nerf Bar.** 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 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 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. Driver must have a radio receiver to receive communications from the scoring tower only no other communication is allowed.

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

**7. Fuel:** 600 Micro approved fuels only. No additives allowed. Must have fuel bladder and/or approved fuel cells.

**8. Weight.** "Multi" Class 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 is legal.

**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 must run spec tire on right rear (may be cut, sipped or grooved but must durometer 50). Any wheel size and tire combination may be used, but tires may not exceed 22 1/2 inches in height.

**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. All mechanically operated devices must be mounted below the drivers 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.

**14. Transmission.** Any type 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.** Wings are mandatory. **Cars may run any size top wing.** Minimum 12" tall car number must be displayed on side board. All wings must have a minimum 1/16" radius, no raw edges. No exposed wood or wood products to be used in the wing. The rib and spar within the center section (airfoil) may have wood products. Wings will be mandatory to enter the night event. Only exception will be in case of a rollover, car can run the night without a wing if a backup is not available. It is recommended for top wings to be pinned for easy removal in case of driver injury.

## **MEASUREMENT DETAILS:**

### **Top Wings**

Left to Right (Side to Side) – Must be within the outer edges of the tires and behind the front edge of the front bumper and in front of the rear edge of the rear bumper. If any part of the wing is beyond these measurements, the car is illegal.

### **Nose Wings**

Left to Right (Side to Side) – Must be within the outer edges of the tires and behind the front edge of the front bumper. If used, it must be installed so as not to obstruct the driver's vision. If any part of the wing is beyond these measurements, the car is illegal. The nose wing must carry the same car number as the body nose.

**16. Numbers.** Numbers must be separated from advertising so they will be readable. Tail tank, nose wing, and wings must have readable numbers on all sides.

**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.** Any multi-cylinder 4 cycle engine larger than 250cc, but not exceeding 640cc. Must have cockpit operated electric starter, lever manual clutch and on-board battery.

### **ENGINE TECH. Bore and Stoke**

**OTHER TECH ITEMS: Maxim Tread Width, Weight, Fuel, Wing, Nerf bar and Spec tire prior to race.**