

# - Atlantic City Indoor Race TQ Midget Rules -

## - SAFETY ITEMS OF NOTE -

The use of one way radios is required for all competitors. The radios will be used for line-up purposes and to alert competitors of yellow and red flags. No other form of radio communication will be allowed.

All cars and drivers must comply with New Jersey State safety regulations. Below are some highlighted rules.

- ALL RACERS must use a head-and-neck restraint device (neck collar, HANS, Hutchens-type device).
- One-piece firesuit. • Arm restraints.
- **Fire resistant underwear.** (Except in Champ Karts)
- Helmet's must be full faced with Snell rating of SA 2000 or better.
- If the fuel cell doesn't have a bladder in it, a firewall is needed.
- All side tanks must be enclosed in protective metal shell.
- Fuel line must be braided or have a braided cover on it if it passes through the cockpit of the car.
- Molded metal seat with opening to allow seat belts to pass through required. Seat shall be attached to the frame with at least four (4) three-line 5/16-inch bolts. Two bolts shall be installed at the bottom of the seat not more than three (3) inches from the outside edge and two bolts shall be installed at the two most practical widely-spaced points at the top of the seat rack. Vehicles with metal seats do not require straps, but do require larger washers at each bolt.
- Quick release-type five-point belt harness with all connections to be secured at frame. Shoulder harness must pass over a round bar located at the driver's shoulder height. No alterations to manufactured design. All belts must be in good condition and bear the date and manufacturer's name. Date of manufacture cannot be more than two (2) years old.
- Rollover bars shall be a minimum of 3" above the driver's head.
- Rollover bars shall not be bolted to the frame of the vehicle.
- Steering wheels must have a padded center with a quick release-type hub. No pull-pin type.
- All vehicles must have an ignition switch within easy access to the driver in the cockpit and be clearly marked. Ignition switch must kill all power to the fuel pump.
- Batteries located in driver's compartment shall be secured and shielded to prevent leakage in the event of a turnover. Batteries located adjacent to the fuel supply must be secured in a metal box bolted to the frame of the vehicle by at least four 3/8-inch bolts and in such a manner to apply maximum pressure against the metal box to the frame. The battery shall also have a marine-style box cover secured to the top of the metal box as to not allow movement of the battery. Batteries located in any other area not specified above shall be secured and shielded to prevent leakage in the event of damage or turnover.
- A fuel shut-off valve must be easily accessible to the driver and marked "On & Off" with brightly-colored paint.
- All cars must have nerf bars. These bars shall extend within two (2) inches of, but not beyond, the outside edge of the tire. No sharp edges allowed on nerf bars.
- All vehicles shall have suitable metal flooring from the front firewall (in our case front of our feet) to the center of the seat. (Highly recommended to the rear of seat).
- All vehicles shall have a permanent firewall between the fuel supply and driver unless fuel tank consists of a shell with an inner rubber bladder, in which case a firewall is not required.
- A fuel line or fuel pump is prohibited in the drivers' compartment unless properly shielded to prevent leakage in the event the lines or pump is damaged or broken. The shielding for fuel lines shall consist of steel-braided material.
- Fuel lines must be more than three (3) inches from the headers unless shielded by metal.
- **No mirrors or two-way radio communications allowed in cars.**

## - TQ MIDGET RULES -

### 600 Micro Sprints May Compete As TQ Midget

#### TQ MIDGETS -

- All engines must be production 750cc motorcycle engines.
- Maximum Displacement 750cc
- Except engines 1995 & Older are allowed 1mm overbore
- All Cars must be self starting.
- Fuel injection or carburetion may be used.
- No forced induction or nitrous is allowed.
- 2 Stroke (limited to 575cc maximum) or 4 Stroke Motors Allowed
- Racing gasoline sold at the event only (112 octane).
- Engine must be stock in appearance. No porting.
- No Engines Newer Than 2010 Allowed.

**SPEC MUFFLER:** Steel 600/1000cc muffler sold by Beyea Headers for the retail cost of \$100. NO tampering with or modifying the muffler in any way. Muffler must remain stock from Beyea and must be removable at the track if thought to be tampered with, no welding mufflers on.

*Indoor Race officials will have spare mufflers at their disposal to replace any muffler that is in question. Muffler in question will be sent back to Beyea to determine if it was tampered with. If muffler is found to be illegal it will result in a \$500 fine that must be paid before competitor can compete again.*

*No competitor may compete without a muffler. If a muffler is damaged or removed in an accident that car will be removed from the track until repairs are made.*

#### Weight Rules - Scaled Before Time Trials & After Race

- TQ Midgets w/ Engines 2003 & Older - 800lbs
- TQ Midgets w/ Engines 2004 & Newer - 825lbs
- 600 Micro Sprints - 750lbs

**- No fuel may be added to make weight.**

- No Top or Front Wings Allowed. • No wild bodies. Officials decision is final.
- No Anti-Freeze, water only. • Car Diaper Mandatory
- Standard TQ rules: Maximum 13" wheel & 9" tires.
- Tread-width from outside edge of LR to outside edge of RR -  
TQ - no less than 36" no more than 55"  
600 - no less than 36" no more than 60"
- Wheelbase 70" max., 56" minimum.
- Radiators must be mounted inside the confines of the chassis, catch cans are mandatory. All radiators and reservoirs mounted under the front hood must be shielded from driver.

**OFFSET:** Maximum offset measured from the centerline of the car between the front and rear main frame rails to the inside wall of tire, right front 22 inches. Right rear 22 inches. Minimum offset measured from same points as above for the left front 12 inches, left rear 14 in.

**WHEELS & TIRES:** All wheels and tires must be an approved racing type.

- TQ** - 10" or 13" diameter allowed.
- 600** - 10" diameter wheels only,
- No Carbon Fiber wheels.
- No wheel center bolts made of aluminum. • Wheel cover must be bolted on.

**TIRES:** No tire softening will be allowed on the grounds inside or outside the building. Tire grinding will be allowed only in the restricted area outside the building. Grinding tires inside the building is not allowed by order of the State Fire Marshall because of the smoke it creates.

**CHASSIS SPECIFICATIONS:** No laid back cages. Drivers must sit vertical in car. Fire wall between driver and motor .030 aluminum or .080 fiberglass. Firewall between fuel tank and driver must be aluminum or metal, no fiberglass. Chain guards are mandatory. All cars must have front and rear bumpers and must extend at least 2 inches in front of front tires. Rear bumpers must provide protection to tail. No sharp corners allowed. No nylon steering hangers, no centrifugal clutches. All frames must be constructed of 4130-chrome molly tubing or equivalent.

#### 600 MICRO SPRINTS - 637cc Maximum Displacement

- All cars must be self starting. NO 2 stroke engines allowed.
- Fuel injection or carburetion. No forced induction or nitrous.
- Racing grade methanol or racing gasoline sold at the event at the event (no additives).

**ADDITIONAL RULES FOR 600cc MICRO-SPRINTS RACING AS TQ MIDGETS**  
No rear engine cars, chain driven only. The body must be sprint car in appearance. Official's decision is final.

**Front brakes are highly-recommended.**

**ALL CARS MUST ARRIVE WITH EMPTY FUEL TANKS!!! NO FUEL MAY BE BROUGHT TO RACE IN TRAILERS!!!  
Fuel will be checked and compared to fuel sold on fuel truck. Fuel must match sample exactly.**