

# 2024 New London-Waterford Speedbowl Open Street Stock Rules

Last Updated: **5/11/2024**

## 1) Introduction:

Interpretations of the rules contained herein will be the sole responsibility of authorized officials of New London-Waterford Speedbowl. Their interpretations and judgments shall be final.

All equipment is subject to the approval of the New London-Waterford Speedbowl Officials.

It is the competitor's responsibility to become familiar with the Open Street Stock Division Rules and the New London-Waterford Speedbowl General Rules.

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## 2) Driver Eligibility:

Drivers 14 years old and up are eligible to compete in the New London-Waterford Speedbowl Open Street Stock division. In order to participate in any on-track activity all cars must complete a technical & safety inspection and all drivers must be signed in with all completed paperwork on file. This includes Driver Registration Form and Number Registration Form. By registering as an owner or driver you agree to be knowledgeable and bound by the contents found in these rules and in the New London-Waterford Speedbowl General Rules.

## 3) Safety:

Racing Seat

An aftermarket, aluminum fabricated racing seat, sized correctly for the driver, must be used. See General Rules for detailed requirements.

Seat Belts

A minimum 5-point safety harness is mandatory. Belts must be SFI rated and dated no older than 3 years from the date of manufacture. See General Rules for detailed requirements.

Window Net

A commercially manufactured, SFI rated, nylon window net must be installed in the driver's side door window opening. See General Rules for detailed requirements.

Fire Suppression

A fire extinguisher or fire bottle suppression system securely mounted in the car is mandatory. See General Rules for detailed requirements.

## Safety Gear

A double-layered, full fire suit made of Nomex material is mandatory. SFI rated gloves and shoes are mandatory. Full-face SA2005 rated or newer helmets are mandatory. A head and neck restraint system (Ex: HANS, Hutchens, or similar) is mandatory. See General Rules for detailed requirements.

## 4) Transponders & Radios:

All cars must have functional transponders in order to participate in any on-track activity (see Figure 1 for mounting location).

Two-way radios are not permitted. Drivers must monitor the race control frequency (464.5000) through the use of a radio scanning device and comply with all requests from race control.

One (1) rear view mirror mounted at the top of the windshield is permitted. Maximum mirror size is 14" X 2".

## 6) Approved Models:

General Motors Metric G-Body or Johnson X-Y-G, Second Generation Camaro or Firebird. 108" wheelbase. No straight rail type frames.

## 7) Body, Appearance:

Street Stock, Sportsman type. No ABC Late Model, offset, or wedge bodies. Rear bumper panel must be fully enclosed.

Spoiler: 5" tall x 60" wide maximum. ~~Clear polycarbonate only.~~

## 8) Weight:

All specified weight requirements are driver included. Car minimum weight must be labeled on the right A-pillar of the car.

The minimum total weight is:

Built Engine Max 9.5:1 with 2 Barrel Carburetor only, 3100 lbs.

Built Engine 9.6:1 to 10.5:1 with 2 Barrel Carburetor only, 3150 lbs.

Sealed GM 602 Crate Engine with 4 Barrel Carburetor, 3050 lbs.

Sealed GM 602 Crate Engine with 2 Barrel Carburetor, 2950 lbs

Any car found to be under the minimum overall car weight allowance will be penalized one position for every pound under the minimum total weight.

The maximum left side is 55.0% of the total weight.

## **9) Frame & Chassis:**

### **Roll Cage**

1-3/4 diameter x .095 HREW or DOM steel tubing is mandatory for all roll cage bars. A magnetic steel anti-intrusion plate made from a minimum thickness of .080 must be securely welded to the outside of the left side door bars. All cars must have a foot protection bar located at or in front of the pedal assembly. All roll cage, foot protection bar, and anti-intrusion plate joints must be suitably and appropriately welded by competent craftsmen. See General Rules for roll cage, foot protection bar, and anti-intrusion plate detailed requirements.

## **10) Ground Clearance:**

Minimum ground clearance for chassis, body, and nose piece is 5". All ground clearance requirements will be measured with the driver in the car.

## **11) Track Width:**

Maximum allowable track width is 74", measured at wheel center height from the left outside bead seat to the right outside bead seat.

## **13) Suspension:**

### **Shocks**

Sealed, steel body, non-rebuildable, non-adjustable. Maximum retail cost \$175.00. All shocks must have part numbers to verify cost.

### **Springs**

Springs must be spring type per chassis make and model.

### **Trailing Arms**

Lower trailing arms must be stock length. The 3rd link of 3 link rear cars must have solid, steel mounts. 3 link rear not permitted with leaf spring cars.

## **16) Wheels:**

Steel, 15" x 8" wide maximum. 19 lbs minimum wheel weight.

## **17) Tires:**

### **Permitted Tires:**

Hoosier 970

Hoosier 790

Hoosier 880

American Racer 705

All four tires must be the same make and compound. Tires must be considered identifiable. No chemical treating or altering of tires permitted.

### 18) Engine:

Custom Built Small Block Chevrolet - 358 cubic inches maximum. Flat tappet .842 diameter hydraulic or mechanical cams only. Maximum lift of .550 with zero lash. No roller cams. Iron heads only. 1.94" intake valves 1.50" exhaust valves. 1.5 rocker ratio. 10.5:1 maximum compression ratio. Edelbrock 2101 or 2116 intake manifolds only. Gauge-legal Holley 4412 carburetor only. Choke flap and shaft may be removed. (1) 1" inch carburetor adaptor spacer permitted with two .070" gaskets only.

GM Crate Engine— P/N88958602. All factory seals must be in place. No SK Light engines. No rebuilt engines. Holley carburetor, gauge-legal 4412 and 80541-1 or -2 are the only approved part numbers. (1) 1" inch carburetor adaptor spacer permitted with two .070" gaskets only.

**RPM Seal Alliance motors are not legal for competition in Open Street Stock Events.**

### 21) Exhaust:

180 degree, up and over type headers are not permitted. Mufflers are mandatory and must be in good condition. 96 maximum decibels. Exhaust must exit behind the driver, under the car or out the right side.

### 22) Fuel System:

Fuel Specifications: Petroleum based automotive gasoline only. No alcohol, methanol, Nitromethane, or any other type of fuel additive.

### 23) Drivetrain:

Clutch: 10.5" stock-type. No multi-disc assemblies. No aluminum components.

### 24) Figures:

Figure 1:

