



# Natural Bridge Speedway

*Official 2021 Rules*

*Sportsman*

[www.nbspeedway.com](http://www.nbspeedway.com)

### **Safety Rules:**

- 1. Safety is the primary responsibility of the RACER!!**
2. Drivers have a SFI-Approved full fire suit (top and bottom), gloves, and shoes. Full Fire Suit (top and bottom or one-piece) is required (SFI rating optional, but highly recommended).
3. Snell rated SA2010 or SA2015 full-face helmet required.
4. Natural Bridge Speedway recommends the use of a head and neck restraint system, but is not required.
5. All cars must have a fully charged fire 2 lb. extinguisher mounted within reach of the driver. Recommend a 5 lb. halon system.
6. All cars must have a kill switch within easy reach of the driver, and clearly marked “Off” and “On”.
7. All cars must have a quality fuel cell with roll over valve(check valve) in fuel cell vent.
8. Minimum three(3) inch wide, two(2) inch if using head and neck restraint, SFI-Approved five point safety belts, mounted securely to the roll cage. (Recommend belts be no more than three years old.)
9. Any pre-race technical/safety inspection and car or equipment is deemed unsafe by officials will result in not being allowed to compete. Official’s decisions are final!
10. All track specific general safety rules or requirements will apply at all times to all participants(i.e. gloves, door plates, head and neck restraints, etc.) at that track.
11. RaceCeiver one way radios are REQUIRED at every event. Failure to have a RaceCeiver could result in disqualification. Malfunction of such device (i.e. dead battery, ear phone failure, etc.) will not constitute any penalty.
12. NO two-way radios, cell phones, or other communication devices will be allowed. RaceCeiver is the ONLY communication device permitted. Drivers caught with any other communication device will be disqualified for that event (heat or feature). No lighted signal devices(light sticks, flashlights, cell phones, etc.)
13. No mirrors are allowed at any location on the car.
14. ALL weight/lead must be painted and include the car number. Weight must be securely fastened to the car with a minimum two (2) ½” diameter bolts. No weight may be attached to the back bumper. Losing weight in any race will result in disqualification for that event.

### **Membership and Entry Fees:**

1. Anyone entering Natural Bridge Speedway pits must purchase an Annual Membership at a cost of \$30 per year. If not purchased for the year, you will pay \$5.00 addition to regular Pitt entry fee. This membership money goes towards Banquet at end of year to cover cost of Trophies, points money and to give everyone a nice awards Banquet. This money makes the driver eligible for any Natural Bridge Banquet winnings. Speedway will put all membership moneys into a fund for a points Banquet at end of year.

### **Weekly Race Procedures:**

1. Anyone helping roll track when needed for at least 10 laps will get 5 additional points.
2. In the event of rain at the speedway during a scheduled Weekly Racing Series event, and the feature event has not completed more than half (1/2) the advertised laps, that event must be either cancelled completely or made up the next week as a Double Feature. The field will be set as qualified from the previous attempt to race.

**Technical Rules and Regulations:**

It is the obligation of each participant to ensure their conduct and equipment are in compliance with all applicable rules and procedures, as they may be amended. Any amendment(s) will supersede any previous rules regarding that aspect of competition. An amendment is effective from the date it is added to the official rules regardless of when a competitor receives notice.

### **Body and Body Modifications**

- Body and engine must be same manufacturer's line.
- All cars must have stock appearing fiberglass, aluminum or steel body.
- All cars must have stock appearing nosepieces.
- Wedge bodies or home built bodies acceptable.
- Rear spoiler limited to 8 inches in height. Spoiler cannot extend past quarter panels. Side supports from spoiler toward deck lid may not exceed 8" in height and/or 18" in length.
- Installation of a windshield is optional. You may use Lexan or 4 to 5 half inch thick round steel bars placed directly in front of the driver.
- The following competing models are allowed:
  - a. GM - No Corvettes. Intermediate size body styles only.
  - b. Ford – Mustang. Probers or any intermediate size body style only.
  - c. Chrysler – Any intermediate size body style.
- If you are in doubt about a body style, please ask a Speedway Official for more information.
- Car numbers must be displayed on roof and door

### **Weight**

- All cars, with an exception of cars with GM 602 Crate Engines, must weigh a minimum of 2,500 pounds (with the driver) after the race. GM 602 Crate Engines must weigh a minimum of 2,350 pounds (with the driver) after the race.

### **Chassis, Suspension, and Frame**

**NO ADJUSTABLE SHOCKS ALLOWED (The one valve for gas is only one allowed) Use other adjustments and you will be DQED**



**AS in picture only one Valve for Gas**

- 103 inches minimum wheelbase is required.
- All cars must be either an offset or perimeter chassis.
- Stock front frame section or tubular front frame section permitted.
- No three-frame rail cars permitted.
- Frame rails must be same size tubing on both sides of car. One inch tolerance permitted and must be same dimensions from side to side.
- All major vertical roll cage cars must be welded frame rails only.
- One shock per wheel permitted. No double adjustable shocks. Dummy shock left rear optional.
- All engines can be set back 6 inches.
- Any radiator is permitted and must be mounted in the front of the engine.
- **Carbon fiber driveshafts permitted.**
- Sway bars, torque arms, etc. are permitted.
- There is a maximum of 3 coil covers permitted on the rear suspension.

#### **Fuel, Fuel Cell, and Fuel Pumps:**

- A NASCAR or NHRA approved fuel cell is mandatory and must be contained in a heavy steel box to prevent puncture. Fuel cell may be offset.
- Natural Bridge Speedway racing fuel only, no additives permitted. Natural Bridge Speedway has the right to withdraw fuel and refill with track fuel.
- Electrical fuel pumps are permitted. Electric fuel pumps must be wired into ignition switch.
- If electric, you must have a drag racing style master shut off switch located behind area on left side of your car, behind seat.

#### **Brakes**

- Any automotive braking system is permitted.

#### **Rear End**

- Stock manufacturers rear end may be retained
- Floater and Quick Change rear ends are permitted.

- Rear end cooler is permitted.

### **Tires and Wheels**

- All tires must be Hoosier 1325 or 1425 Racing Tires. NO white dots
- **The wide 1325 allowed on Right Rear**
- If wheel spacers are used they must be the same width from side to side.
- Wide 5 patterns are permitted.

### **Transmission and Components**

- Any automatic or manual style transmission is permitted.
- Three or four speed manual permitted. Stock style manufacturer's case must be retained. Bert or Brinn okay. Automatic okay. If automatic transmission is used, must have safety blanket or scatter shield.
- Any flywheel permitted. Lakewood type blow-proof required.
- Any type rear end permitted.
- Rear end must be under primary frame rails.
- All cars must be equipped with a workable clutch. Must be able to start out of gear, then put in gear while running and driven off.
- Tail shaft may be removed from any automatic transmission.
- No carbon fiber driveshafts.
- Driveshaft loops are required.

### **Engine Specifications**

#### Approved Engines:

1. GM-350 / Ford-351, Cleveland or Windsor / Chrysler – 360. Cast iron only. GM 602 Crate Engine is allowed, the following are approved (must have all seals unbroken):
2. No crossbreeding of engine parts is permitted. Ford, Cleveland, and Windsor parts cannot be interchanged.
3. .070's maximum overbore.
4. 364 Cubic Inches is the maximum Cubic Inch allowed. The engine must pump a maximum of 364 as calculated by the P&G. The engine will be checked by using a

cylinder of the technician's choice. There are no tolerances to this rule – anything over 364 inches may result in a disqualification.

Heads:

- All heads must be cast iron or steel, 23 degree heads. No aluminum heads.
- Angle plugs heads are allowed
- GM vortec heads permitted, intake cannot be match ported.
- The following aftermarket heads are permitted:

*GM*

1. World Product #s – 4265a & 4265n
2. PBM #s – 367970 & RHS12407
3. Dart Heads permitted

*Ford*

1. World Product #s – 5303a & 5303b
2. Ford N351
3. Dart Heads Permitted

- The maximum valve size for all cars is 2.02 (intake) and 1.60 (exhaust).
- Maximum 3-angle valve job.
- No titanium valves.
- Heads cannot be cut, ground or polished inside any ports, runners or altered in any area behind valves.
- No acid dipping.
- No porting or polishing of heads allowed. No cutting, grinding, or polishing of combustion chamber area of head.
- Any solid or hydraulic cams are permitted.
- Roller Rocker Arms are permitted. Stud girdles are allowed.
- Shaft rocker system allowed.

Crankshaft:

- All crankshafts may be aftermarket but must comply with the weight limit, Scat or Eagle. Weight limit – 48 pounds (all manufacturers)

- Stock stroke must be retained with a +/- ten thousandths (0.010) tolerance; measuring at visible center of piston. Final value to be determined on average of 4 cylinders on same bank.
- No grinding, polishing, or knifing of crankshaft. Balancing allowed.

Pistons:

- Dome pistons are not permitted. All pistons must be flat top or concave pistons.
- Piston, pin, rod, and ring combination must weigh 1,000 grams in race ready condition.
- Pistons must have same appearance as stock manufacturers and must have full skirt.
- Piston may protrude through the top of the block with a maximum of .005's, zero deck + .005's, measured without head gasket.

Connecting Rods:

- Any steel connecting rod is allowed.
- Connecting rod cannot be lightened.
- No titanium, steel, or aluminum connecting rods.
- Stock manufactured rods can be polished for strength. Polished not lightened.
- Connecting rod length dimensions:

Manufacturer	Minimum	Maximum
GM	5.7"	6.25"
Ford/Cleveland	5.778"	6.25"
Ford/Windsor	5.954"	6.25"
Chrysler	6.0"	6.25"

Camshaft and Lifters:

- Any hydraulic or solid lift cams are permitted.
- **Roller cams are not permitted.**
- **Titanium valves are not permitted.**
- Roller rocker arms are permitted.



- Stud girdles allowed.

Intake Manifolds:

- Any cast aluminum intakes are allowed. Intake must be store bought. No sheet metal intakes are allowed.
- No porting or polishing allowed.
- All casting marks must be retained.
- No grinding of ports or runners.

Carburetor:

- No Predator or Weber Carburetors are allowed.

Stock 2 barrel carburetor for engine used. Venturi area of throttle body of carburetor can measure no larger than the following:

- a. Holley Keith Dorton 2 Barrel #080583-1 as manufactured. Maximum Venturi size is 1.375 inches and maximum throttle plate opening size is 1.687 inches.
  - b. No cutting of Carburetor. Top where Choke was attached, is to be left in place and not cut off. Must be a Holley Carburetor no exceptions**
  - c. 602 Engines must run Holly 80541-1 ang numbers must be visible**
- Spacers with gaskets are not to exceed 1.60 inches.
  - No grinding, cutting, or machining allowed.
  - Venturi cluster of carburetor cannot be altered.
  - Part Numbers must be visible.

Timing:

- No gear drive timing is permitted.

Distributors:

- No magnetos.
- Any dual point or breakerless is permitted.
- Absolutely no traction control devices of any kind.

- MSD ignition allowed.

Headers and Mufflers:

- Exhaust headers are of driver's/car owner's choice.
- Mufflers – Schoenfield # 92535 muffler required. This muffler is 9 inches long with a 3 1/2" inlet and outlet. Schoenfield manufactures all the turn downs, adapters, reducers, enlargers and all hardware.

- Fines, Penalties, and Suspensions:

1. Pre-Race Technical Violation(s): Any technical violation(s) discovered during pre-race technical inspection, the driver will be notified of violation(s), and car must be fully in compliance before allowed to compete.
2. All decisions of officials and/or the promoter regarding the application or interpretation of the rules, and the scoring of finishing positions shall be non-litigable. All participants agree that they will not initiate any legal action against Natural Bridge Speedway,
3. By signing the annual membership/registration agreement, participants agree that they will comply with the written rules and procedures of Natural Bridge Speedway. If the participant breaches this membership/registration agreement, he or she will be liable for actual and liquidated damages sustained by Natural Bridge Speedway.

Code of Conduct and Conduct Penalties:

1. Drivers, car owners, and teams are to always conduct themselves in an orderly and professional manner while competing at any Natural Bridge Speedway event. Series director will judge incidents of conduct accordingly and use the following criteria to assess any penalties upon a driver, car owner, or race team as necessary.
2. Driver will be notified of penalties that have been levied by the series director. All series director's decisions are final.
3. Series director may choose to levy monetary fines, suspension from sanctioned events, and deduct points as deemed necessary by the rules infraction or actions taken by a driver at any time. Series and tracks reserve the right to enforce or levy fines, points penalties, require changes, or suspension from competition for any actions deemed detrimental to the sport, series, or track. This includes, but is not limited to, social media posts, and/or derogatory or distasteful statements/slogans/photos/graphics on cars or any other driver related material visible to the public (i.e. helmets or driver's suits, trailer or transporter, etc.).
4. Natural Bridge Speedway will adhere to, and uphold any suspension levied on a driver. If a driver has been suspended or barred from entering the property, that will be upheld by the Track. Series and sanctioned event do not overrule a track's decision to refuse entry to any driver, car owner, or crew member.
5. NOTE: These rules are not intended to eliminate competition or accidental contact. However, they are intended and may be used to penalize deliberate contact and/or over-driving or deemed deliberate acts of aggression towards other drivers.
6. No driver will be allowed to compete/participate while under the influence of any alcoholic beverage or illegal/controlled substances. If a driver is found to be participating in such a manner, that driver will be immediately suspended and removed from competing.

7. Any competitor that verbally abuses a track official by using profane and/or disrespectful language is subject to a fine of \$100 for the first offense. A \$200 fine, one-race suspension, and loss of points for the second offense. After a second offense, driver is subject to 30-day or longer suspension and loss of points as determined by officials.
8. Any physical confrontation, either on the track or in the pit area, will result in the aggressor(s) being suspended for one race minimum, loss of points, and \$300 fine for the first offense. A second offense will result in the driver being suspended for the remainder of the season, and a \$500 fine paid to the speedway before allowed back to competition.
9. Any driver who enters another driver's pit area, or approaches another driver's car on the speedway, will be deemed the aggressor. Away from either driver's pit area, both drivers will be considered aggressors. Drivers should be aware that they are responsible for any member of their race team, and the above penalties will apply to the driver concerned even if the driver is not directly involved.
10. In the event of a felony conviction of a driver, team member, or team sponsor, disciplinary action could be a minimum of a 365-day ban from the series beginning with the date of the conviction or the date of the completion of any incarceration to said conviction, whichever date shall last occur.
11. Disciplinary action may also include, but is not limited to, the right of the track organizers and officials to suspend either temporarily, or permanently, any driver, team member or sponsor, whose actions, in the sole opinion and discretion of the track organizers and officials, may have resulted in, or may result in harm or detriment to Natural Bridge Speedway.
12. Any incidents occurring during the last five events of the season, may result in penalties being applied to the beginning of the following season.
13. Any incident(s) that are judged to be deliberate acts of aggression, whether on or off the track, under green or caution, will result in disqualification and a monetary fine to be determined by track' officials.
14. Track officials reserve the right to increase the above penalties, by either adding additional money, suspension time, or points loss, depending on the severity of the incident.
15. Track officials reserve the right to revoke a competitor's membership at any time. All official's decisions are final.
16. Any threat of, or legal action taken or levied against the Track by a driver/race team, will immediately result in that driver's indefinite suspension from competition in any/all Natural Bridge Speedway events.
17. Any disqualification, other than a weight violation, will result in no points and no money for the event. Weight violation will move the driver to the end of the finish order.
18. The decisions made and disciplinary actions taken by the Track and officials hereunder shall not be appealed by the driver, team member, or team sponsor affected thereby.
19. ALL OFFICIAL'S DECISIONS ARE FINAL.

**ATTENTION CAR OWNERS AND DRIVERS:**

Please remember that we are here and can race because of the fans, promoters, and sponsors. If they don't benefit, we won't benefit. While we understand that this competition involves substantial financial stakes, there is no excuse for bad or unruly behavior which would tend to bring the track or sponsors into disrepute.

**PLEASE NOTE:** By entering, qualifying, and/or competing in a Natural Bridge Speedway event, you are accepting these rules and regulations as being those under which you are prepared to race. Any driver entering and competing in a Natural Bridge

Speedway event acknowledges and accepts the following: Natural Bridge Speedway and its assigns may use the drivers names, pictures, likeness, and performance in any way, medium, or material, including without limitation by and through, television, radio, air wave: cable and satellite broadcasts, film productions, videotape reproductions, audiotape reproductions, transmissions over the internet, and public and private on-line services authorized by Natural Bridge Speedway and the like, before, during, and after the event, for promoting, advertising, recording or

reporting in the event and do hereby relinquish all rights there to for these purposes, provided however, that the car owner and driver shall retain the exclusive use of its or his/her name, picture and likeness in connection with product endorsements and the sale of products, services, concessions, and merchandise.

Owner:

Print Name \_\_\_\_\_ Sign \_\_\_\_\_ Date \_\_\_\_\_

Driver:

Print Name \_\_\_\_\_ Sign \_\_\_\_\_ Date \_\_\_\_\_

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