



WEDGE RACING ASSOCIATION

2026 MINI-WEDGE

RULES & REGULATIONS

ELKINS SPEEDWAY EDITION

THUNDER IN THE MOUNTAINS

A sanctioned racing body for children 6-14 years of age

WRA CONTACT

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PHONE

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Rules may be changed or amended by WRA when deemed necessary.

Formatted for convenient use at Elkins Speedway. WRA rules and interpretations govern.

MISSION

To provide the safest racing program possible, designed to teach young drivers the skill, sportsmanship, and fair play needed to compete on and off the track.

VISION

The WRA will be known throughout the racing world as the standard in safety, quality, and value. No other organization will pose a serious threat to our continued success. WRA will be a great experience for both parent and child. Opportunities for continuous education and growth will foster personal and career growth. Our efforts will be recognized by others who view us as a benchmark for safety and fairness.

VALUES

We must strive to provide a fun and safe environment for every person. We believe all of our members desire to excel in life. We must treat each other fairly and with respect, while offering encouragement and appreciation as we work together toward the same goals. We promote families spending quality time together, at or away from the racetrack.

EDITORIAL AND GOVERNING NOTICE

This Elkins Speedway edition professionally reformats the WRA source document for readability. Technical requirements have not been intentionally changed. WRA may amend these rules when necessary, and WRA interpretation controls whenever wording is unclear or provisions conflict.

2026 RULES & REGULATIONS

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FAMILY ATMOSPHERE

WRA encourages a fun, family atmosphere. Times may arise that are stressful and upsetting to both parents and the driver. When addressing these issues, please speak in a manner that is respectful not only to the driver, but also to others within hearing distance.

Approved Chassis

The following rules apply to mini-wedges. Cars may be built from WRA-approved chassis (Falcon, Miller, Boss, Rocket, Riddler, etc.) of new construction and must be inspected and approved by a WRA official.

Membership

Membership in the WRA is \$25.00 per year and is required at all WRA tracks. Membership applications may be obtained by contacting Melva Pickens at (304) 615-2224.

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CAR

Chassis, body, dimensions, safety structure, controls, and required equipment

- A.** Wheelbase must be 45 inches to 49 inches. Maximum width measured at the outside of the tires is 49 inches. Minimum ground clearance is 2 inches. Wheelbase and clearance requirements will be strictly followed and teched. Roofs are not permitted on karts.
- B.** All karts must be constructed of steel tubing with a complete 6-point roll cage, including adequate side protection. Cages must be a minimum of .083-inch wall x 1-inch steel tubing welded to the frame.
- C.** The engine must be behind the driver's seat.
- D.** Floor pans are required and must be made of steel or a minimum of .063-inch aluminum. Floor pans must be securely bolted to the frame (no pop rivets) and must cover the area from the seat to beyond the foot pedals.
- E.** All cars must have a body with fully enclosed wheels and tires. Open-wheel cars are not permitted. There must be at least 4 inches of body behind the rear wheels and at least a 4-inch-wide rear deck panel behind the motor-compartment opening. Motors may not be covered or enclosed and must remain completely visible at all times (see body drawings).
- There must be 4 inches of decking running from the front to the rear on both sides of the kart.
 - Tires cannot protrude more than 1 inch from the body.
- F.** Tires may be Hoosier or Burris. Rims may be no wider than 6-1/2 inches.
- Hoosier 33.0/45X6 (D20 compound)
 - Hoosier 10.5x4.5-6 (D20A compound)
 - Hoosier 10.5/5.0-6 (D20A compound)
 - Burris 11x5.0-6 (SS-22 compound)
 - Hoosier 11x6.0-6 (D20 compound)
 - Burris 11x6.0-6 (SS-22 or M2 compound)
 - Burris 11x5.5-6 (TX-22 compound)
 - Tires may use a treaded or slick pattern. No grooving or siping. No treating, doping, or soaking. Tires may be cleaned and/or buffed only. Tires may be checked with a durometer, and samples may be sent to a laboratory for testing.
- G.** If the tire size and compound cannot be read on the sidewalls, the tires will be considered illegal and will not be allowed to run. Tires must be factory stamped.
- H.** No suspension is allowed, including springs, shocks, rubbers, or torsion bars. Ratchet hubs are strictly forbidden.
- I.** Rear deck height must be a minimum of 20 inches and a maximum of 24 inches from the ground, plus or minus 1 inch.
- J.** The body must be constructed of .040-inch aluminum. Plastic may be used for the nose and trim. Composite body material and composite sides are allowed. Fuel tanks must be securely mounted inside the body; only the fuel cap may be visible to ease fueling.
- K.** The kart must weigh at least 345 pounds.
- L.** No side panels.
- M.** Any chassis bars more than 3 inches above the ground may not have protruding ends longer than 2 inches. This includes body brackets and supports. Measurement will be made from the closest weld joint. Rear bumpers must extend to within 1 inch of the body and be completely rounded. Front and rear bumpers must be at least 7 inches tall. The front bumper cannot be hidden by the body, must protrude outward, and must be as wide as the main frame rails.
- N.** Side crash bars must be flush with the outside of the front and rear wheels, plus or minus 1/2 inch.
- O.** Side crash bars must run lengthwise from at least the center of the front wheel hub to the center of the rear wheel hub.
- P.** Side crash bars must be at least 1-inch round or square tubing.
- Q.** Side crash bars must be welded to the main frame in no fewer than four places with at least 3/4-inch x .083-inch wall tubing. The dash bar must be welded to the front down tubes and side crash bars. NO FLOATING BARS ALLOWED. All bars except the side, front, and rear nerf bars must be welded. No slip joints or floating bars.
- R.** At least one vertical door bar must be welded on each side of the driver, running from the main rail to the side crash bar for driver protection. It must be 3/4-inch x .083-inch wall tubing.
- S.** Front and rear bumpers must be at least 3/4-inch x .083-inch wall tubing.

- T.** No tape, padding, or other item may cover any bar. A mounting bracket on the car must be used to mount an item. WRA reserves the right to require removal of a mount to inspect the frame.
- U.** The bottom of the control pedals must be connected to the frame behind the front down tubes or to the floor pan.
- V.** Front and rear down tubes are mandatory. Transponders must be mounted on the right rear down tube. NO EXCEPTIONS. Transponders are mandatory; without one, the kart will not race.
- W.** All tubing on the main roll cage, including side crash bars and bumpers, must have a minimum .083-inch wall thickness.
- X.** Vertical support posts must run from the main frame rail to the top of the roll cage, be welded at both ends, and be constructed of at least 1-inch round or square tubing with at least .083-inch wall thickness. There must be one right and one left support positioned near the driver's shoulders and running nearly parallel with the back of the seat.
- With the child seated, the top of the helmet must be at least 1 inch below the roll cage.
- Y.** Four seat mounts are required and must be constructed of no less than 3/4-inch x .083-inch wall tubing or 3/16-inch-thick flat steel. All mounts must be welded to the main frame. Clamp-on mounts are not permitted.
- Z.** All cars must have a horizontal crossbar behind the seat, positioned approximately halfway between the bottom frame rails and the top of the roll cage. It must be constructed of no less than 3/4-inch x .083-inch wall tubing and welded to the vertical support posts.
- AA.** All cars must have a minimum 12-inch number on both sides. A number that is too small or difficult to read may not be scored.
- BB.** Aluminum racing-style, high-back, padded seats are mandatory on all mini-wedge cars.
- CC.** The throttle pedal or control rod must have a return spring, in addition to a return spring on the carburetor throttle linkage.
- DD.** Brakes must be properly adjusted and in safe working order.
- EE.** Two kill switches are required, and each must shut down the motor independently. One must be located in the cockpit within the driver's reach while arm restraints are in use. One must be located at the top left rear corner of the roll cage.
- FF.** Kill buttons are not permitted. All kill switches must be ON/OFF-type switches and clearly labeled ON/OFF. ALL KILL SWITCHES MUST WORK. If the switches do not work, the kart does not race. This applies from the first race to the last race. NO EXCEPTIONS.
- GG.** All cars must have a chain guard.
- HH.** All cars must weigh a minimum of 345 pounds with the driver and safety equipment. Cars may be weighed at any time, and each track may use its own weighing method.
- II.** Any weight added to the car must be bolted or welded to the frame. Approved weight clamps may be used. A minimum of two 5/16-inch bolts, double-nutted, is required. A maximum of 10 pounds may be installed at each bolting location. Hose clamps, duct tape, zip ties, bungee cords, and similar methods are not permitted. All added weight must be painted white and marked with the driver name and kart number. If weight is lost during a heat or feature, the kart will be disqualified.
- JJ.** All framework except the upper roll cage must remain within the body lines of the car. Side crash bars and side nerf bars may not be exposed.
- KK.** Snap rings must be installed on the ends of the rear axle at all times.
- LL.** All cars must have a 5-point harness system securely fastened to the main chassis frame. The harness must have an SFI-rated patch and manufacturer date tag and may be no more than 3 years old according to the manufacturer date tag. Seat belts must run through the factory openings in the seat.
- MM.** All cars must have two triangular side window nets attached to the roll bar, similar to those used in sprint cars, midgets, and quarter midgets.
- NN.** All cars must run four windshield bars positioned vertically in front of the driver.
- OO.** Windshield bars must be made of no less than 5/16-inch solid rod and cover at least one-half of the total open area measured from the front top crossbar to the deck. Bars must be welded or bolted to the front down tubes. Hose clamps and zip ties are not permitted.
- PP.** A bar made of 3/4-inch or larger tubing must be installed behind the driver seat headrest, running diagonally from the top of the roll cage to approximately midway down to the horizontal support on the opposite side. It may run in either direction; top right to bottom left is recommended.
- QQ.** A minimum distance of 12 inches is required from the rear bumper to the gas motor.
- RR.** A 1-inch plastic or aluminum flat strap may be used from the bottom of the frame to the rear quarter panel.
- SS.** Heim joints, slip joints, torsion bars, springs, and similar components may not be used in construction of the main frame. The use of solid axles is strictly forbidden.

- TT.** Front and rear down tubes must be 1-inch round or square tubing with .083-inch wall thickness. Rear down tubes must be welded to the vertical side post at least 18 inches above the top of the main frame rails and must run toward the rear of the car to connect to the main frame rail behind the rear axle.
- UU.** All cars must run front, rear, and side nerf bars. Nerf bars must be made of at least 3/4-inch round tubing and may be bolted or welded to the main frame. All nerf bars must be at least 6 inches tall and 18 inches long.
- VV.** Side nerf bars must run flush with the side crash bars.
- WW.** Front and rear nerf bars must be welded to the bumpers at the outermost edge and stand 90 degrees to the ground. They cannot lean outward or backward.

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ENGINE

Powertrain requirements and 2026 Young Guns and Veterans motor rules

WRA will follow the motor rules below for Ohio Valley Speedway and Tyler County Speedway for the 2026 season.

- **Power must be transmitted by a centrifugal-type clutch. Direct-drive or push-start cars are not permitted. Belt drives are not permitted.**

YOUNG GUNS

- Engine must be a Predator 212 (Hemi or non-Hemi).
- No more than 4,800 RPM, checked on the stand.
- Box stock only; no aftermarket parts allowed.
- The fuel tank may be removed and a relocated tank and pump may be used.
- Throttle must connect to the factory linkage.
- The governor may not be bypassed.
- The governor must operate and pulse.
- The low-oil sensor may be disconnected.
- Open clutch drum or disc.
- Any gear and driver on clutch.
- Chain guard mandatory.
- The fuel pump may be pulsed only from the valve cover.
- 87-octane fuel only.
- Any spark plug may be used.

VETERANS

- Engine must be a Predator 212 (Hemi or non-Hemi).
- No more than 5,500 RPM, checked on the stand.
- Box stock only; no aftermarket parts allowed.
- The fuel tank may be removed and a relocated tank and pump may be used.
- Throttle must connect to the factory linkage.
- The governor may not be bypassed.
- The governor must operate and pulse.
- The low-oil sensor may be disconnected.
- Open clutch drum or disc.
- Any gear and driver on clutch.
- Chain guard mandatory.
- The fuel pump may be pulsed only from the valve cover.
- 87-octane fuel only.
- Any spark plug may be used.

BOX STOCK MEANS BOX STOCK

IF IT IS NOT LISTED, IT CANNOT BE DONE. BOX STOCK ONLY - NO MODIFICATIONS.

CLAIM RULE

- \$175.00 claim rule on all engines. The claimant receives the engine only - no throttle hookup, clutch, or chain guard.
- The track has the right to claim or tech an engine at any time it determines inspection is needed.
- If a racer is found illegal or refuses the claim, the penalty is a calendar-year suspension from the track.
- If a motor is teched and found outside specification, the engine will be confiscated by the track and the driver will serve a calendar-year suspension.
- The track tach is the official tach and is the only tach used as the basis for a ruling.

3**RACE RULES**

Eligibility, lineup, conduct, scoring, communication, and pit-area expectations

- A.** All drivers must be accompanied by a parent or legal guardian. Unless a person has been legally appointed as the driver's guardian, that person cannot sign a release form for the child; therefore, the child cannot race. Any exception must be decided by track management or the track insurance carrier and cannot be made by WRA officials.
- B.** All cars will be lined up according to pill draw. Failure to draw a pill before the lineup is submitted to track officials will result in the driver starting at the tail of the heat.
- C.** Mini-wedge drivers may drive only one kart each night. Backup karts may not be used.
- D.** Radios and other electronic communication are strictly forbidden, except for race receivers used by the track crew to communicate with drivers. Race receivers are mandatory.
- E.** Competitors are responsible for knowing when they will race. Allow plenty of time to prepare the driver, including buckling in and putting on required safety gear.
- F.** WRA officials are not responsible for ensuring that each driver is prepared to race. Be prepared to race at a moment's notice.
- G.** Mirrors and other glass instruments are not permitted in the car as a safety precaution.
- H.** Track officials in the scoring tower will make all scoring and judgment calls. Their decisions are final.
- I.** Arguing about scoring or judgment calls will not be tolerated. Confrontations or arguments with WRA officials, track officials, or another parent may result in a minimum 2-week suspension from all WRA-sanctioned tracks. Rainouts do not count toward the suspension.
- J.** The scoring tower is off limits to drivers and anyone who is not a track staff member.
- K.** Social media policy: participant guardians must sign a zero-tolerance policy. Negative social-media posts about the track, calls, or series will result in a 2-week suspension.
- L.** Any parent, driver, or team member involved in a confrontation with anyone at the track will result in the driver being suspended for at least two weeks from all WRA events at any track. Rainouts do not count.
- M.** The age limit is 5 through 14 years. A copy of the driver's birth certificate must be provided at registration before the driver races. Age is determined at the beginning of the racing season. A driver who is 14 at the beginning of the season and turns 15 during the season may complete that racing season.
- N.** If an engine change is necessary after the heat race, the kart must start at the tail of the feature.
- O.** No warnings will be issued for bad behavior. This includes throwing a fit on the racetrack or in the pit area; confronting track officials, WRA officials, scorers, the flagman, or track owner; or going to another pit to argue or fight. This rule applies to the driver, crew, and anyone affiliated with the kart. **ALL DECISIONS ARE FINAL.**
- P.** If a parent, guardian, driver, or crew member is caught throwing WRA property, the kart will be subject to a calendar-year suspension.
- Q.** No sneaking in without paying. If anyone affiliated with a kart is caught not paying, the kart does not race.
- R.** Alcohol is not permitted in WRA pits. Adults consuming alcohol will be asked to leave the WRA pit area immediately.

- First offense: the adult will be asked to leave. Failure to leave the pit area will result in a 1-week suspension of the kart/driver affiliated with that adult.
- Second offense: the kart/driver affiliated with that individual will be suspended for the remainder of the season.

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DRIVER PERSONAL SAFETY

Mandatory apparel, restraints, helmets, medical releases, and identification

- A.** All drivers must wear an approved SFI-1 certified or SFI 3.2A/1 fire suit. The SFI certification patch is required on the fire suit.
- B.** A full-face SA2010-rated helmet is mandatory at all tracks and all WRA events. Motocross-type helmets with goggles and a mouth guard are not permitted.
 - WRA reserves the right to reject a driver's helmet if it is deemed unsafe or does not fit properly.
 - A full-face helmet must have an SA2010-or-newer rating or an SFI 24.1 patch. If the patch or sticker is not present, the helmet will be deemed illegal.
- C.** All drivers must wear neck braces. A neck brace may not be more than 3 years old. WRA reserves the right to deem safety equipment unsafe regardless of age.
- D.** All drivers must wear arm restraints positioned between the elbow and wrist.
- E.** WRA strongly recommends fire-resistant underwear.
- F.** Fire-resistant racing shoes are mandatory.
- G.** Fireproof gloves are mandatory at all WRA events.
- H.** A driver with an injury or condition that could affect the ability to drive - including broken bones, casts, or medications that affect ability - may not participate in WRA races or events until WRA receives a written medical release from the driver's physician.
- I.** Rollover valves are mandatory. NO EXCEPTIONS.
- J.** The kart number must appear on the upper right-hand corner of the nose piece. Two number plates are required: one on the right-side down bar and one on the back of the kart at the right-hand corner. Plates must be a minimum of 7 inches x 9 inches and made of plastic. Use a black plate with white numbers or a white plate with black numbers.

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TECH INSPECTION

Inspection authority, legality, infractions, penalties, and weighing

- A.** WRA officials will visually inspect cars.
- B.** WRA tech inspectors may perform a motor teardown on any kart selected at any WRA event. WRA officials will be trained to perform a complete motor tech. Inspectors are not responsible for reassembling engines or for parts after inspection.
- C.** The tech inspector may disassemble a motor as far as the inspector believes necessary.
- D.** If the inspector rules that a motor or any motor part is illegal, the competitor will be disqualified. THE INSPECTOR'S DECISION IS FINAL.
- E.** If there is any question about whether a motor is legal, the competitor must have it checked. It is the competitor's responsibility to ensure the motor is legal. A brand-new, out-of-the-box motor is not automatically legal because manufacturing variances exist.
- F.** If an official determines that a car or part of a kart is illegal or unsafe, the competitor must correct the issue before racing. Any minor infraction identified by an official must be corrected before the next WRA race.
- G.** Any participant, car, or motor may be inspected at any time and at any track, regardless of race results.
- H.** If a tech inspector deems any part of a car or motor illegal, the competitor will be disqualified.
- I.** If any participant, car, motor, or item of personal safety equipment is improper, unsafe, or illegal, the competitor will be disqualified.

- J.** All tech procedures are conducted using WRA tech gauges, not racer gauges.
- K.** Minor infractions - such as no gloves, no neck brace, no chain guard, bodywork infractions, loss of ballast, rough driving, jumping a start, arguing, or failure to slow after the checkered flag - may result in loss of track points and a 2-week suspension. Rainouts do not count.
- L.** Major infractions include any intentional illegal act intended to gain an advantage that is not allowed by the rules or authorized by track or WRA officials. Examples include tampering with any part of the carburetor, head, block, or cam; using an aftermarket cam, wrong rod, wrong piston, wrong head gasket, or wrong fuel; arguing with a WRA track official; or going to track promoters regarding a decision.

MOTOR INFRACTIONS

If the motor is found illegal, the team refuses tech, or the team refuses to sell under the claim rule, the driver and team are suspended for one calendar year.

- First offense for a non-motor infraction: surrender illegal parts for destruction; loss of all track points for that night; and a 2-week suspension (14 days / two regular races) from all WRA tracks and events. Rainouts do not count.
- Second offense for a non-motor infraction: immediate suspension for the remainder of the year from all WRA tracks and events.
- M.** Any car that jumps a start or is observed rough driving will be disqualified and earn no points for that race. The driver will receive a warning. A second offense results in a 2-week disqualification. A third offense results in suspension for the remainder of the year from all remaining WRA races and events.
- N.** Any car refusing inspection will be automatically suspended from the track where the refusal occurred for the remainder of the season and for two weeks from other WRA tracks.
- O.** Once a driver moves up and drives another class of race car, the driver cannot return to the mini-wedge class.
- P.** WRA will use race receivers. The top five finishers will be weighed after the feature. The driver must remain in the kart during weighing. Track scales are the official scales.

ALL DECISIONS ARE FINAL AND ARE MADE BY THE WRA COMMITTEE

NEW RULES / EMPHASIS ITEMS

- The neck brace cannot be more than 3 years old.
- WRA reserves the right to reject a driver helmet if it is deemed unsafe or has an improper fit.
- No tape, padding, or other item may cover any bar. A mounting bracket must be used to mount something. WRA may require removal of a mount to inspect the frame.
- All bars except the side, front, and rear nerf bars must be welded. No slip joints or floating bars.
- The use of solid axles is forbidden.
- Ratchet hubs are not allowed.
- The harness must have an SFI-rated patch and manufacturer date tag and may be no more than 3 years old. Seat belts must run through the factory openings in the seat.
- The source document states that WRA will follow the 2025 Ohio Valley Speedway motor rules.
- Rear bumper ends may not protrude more than 2 inches.
- Approved additions include Hoosier 11x6x6 (D20 compound), Burris 11x6x6 (SS-22 or M2 compound), and Burris 11x5.5x6 (TX-22 compound), in slick or treaded pattern.
- No grooving or siping of tires. No treating, doping, or soaking. Tires may be cleaned and/or buffed only and may be tested by durometer or laboratory sample.
- If kill switches do not work, the kart does not race. They must work from the first race through the last race. NO EXCEPTIONS.
- Wheelbase requirements will be strictly followed.
- The axle must be live at all times. Both rear wheels must spin together; one wheel cannot spin independently.
- WRA has the right to deem any part illegal.

COMPETITOR ACKNOWLEDGMENT

This page is provided as a convenient optional acknowledgment for Elkins Speedway competitors. Use only if requested by track or WRA officials.

ACKNOWLEDGMENT

By signing below, the parent/legal guardian and driver acknowledge receipt of the Wedge Racing Association 2026 Mini-Wedge Rules & Regulations, understand that WRA may amend or interpret the rules, and agree to comply with applicable WRA and Elkins Speedway procedures.

DRIVER NAME	
KART NUMBER	
DRIVER DATE OF BIRTH	
PARENT / LEGAL GUARDIAN	
GUARDIAN SIGNATURE	
DRIVER SIGNATURE	
DATE	

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