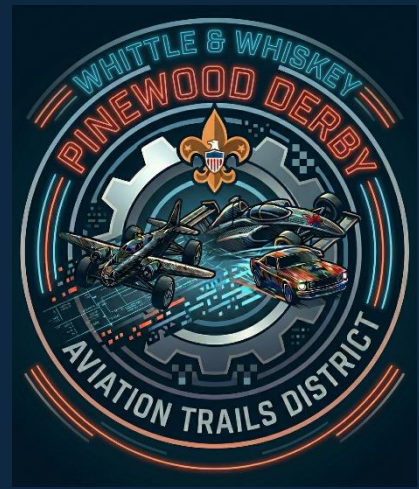


Pinewood Derby Rules

Stock Class



Car Body / Dimensions:

- Wheelbase: Wheels must be attached to axles and located in original axle grooves.
- Height: Not to exceed 3" (three inches).
- Length: Not to exceed 7" (seven inches).
- Width: Not to exceed 2-3/4" (two & three-quarter inches). The car should have a minimum of 1.75 inches clearance between the inside edges of the wheels across the width of the car.
- Weight: Not to exceed 5.0 ounces (141.8 grams) measured on 1/10th digital scale.
- Additional materials may be added if they meet the rules.
- 4 BSA Axles & BSA Wheels must be installed to the side of the car body directly across from one another / No more than a 45-degree angle.
- Front of car must have at least a 1/4" flat area centered to allow for proper contact with the starting pin. No sharp points in the front of cars.

Axles:

- Minimum Diameter: 0.084.
- Axles must have a nail head.

Wheels:

- **Only BSA wheels are permitted.**
- May be CnC'd, lathed, polished and/or sanded to true the edge of tread, surface, and circumference.
- The tread / contact surface must remain flat and parallel to the bore as humanly possible.
- No Angling, Reshaping, Canting, Round Crowning, Tapering, H-ing, V-ing, Dishing, the outside of the wheels and/or tread surface.
- Lettering must remain visible on the inside and outside of the wheel.
- Wheel covers may be used only if the entire wheel is visible.
- 7.50mm Minimum Tread Width.

The following modifications are NOT allowed:

- Starting or finish line devices.
- Electronic or lighting devices.
- Glass or extremely fragile parts.
- Paint that is wet, smudges, or extremely sticky.
- Bearings and/or Bushings.
- Sharp objects, sandpaper, or abrasives on the bottom of car. (We do not want any damage to the track or the rubber stopping pads.)
- Axles and/or wheels attached to any device that mechanically or alters rotation and spin.
- Any part of the car to go beyond the starting peg before the peg is completely lowered.
- Propellants.

Outlaw Class

Car Body / Dimensions:

- Length: Not to exceed 7" (seven inches).
- Width: Not to exceed 2-3/4" (two & three-quarter inches). The car should have a minimum of 1.75 inches clearance between the inside edges of the wheels across the width of the car.
- Weight: Not to exceed 5.0 ounces (141.8 grams) measured on 1/10th digital scale.
- Clearance between the bottom of the car and the track surface should be no less than 3/8 inch.
- Front of car must have at least a 1/4" flat area centered to allow for proper contact with the starting pin. No sharp points in the front of cars.
- 3D printed car bodies are permitted, provided they meet all other rules.
- The car must be freewheeling with no starting devices and the car body may have no moving parts. Working engines, propellers, or motors are prohibited.

Wheels & Axles

- "Aftermarket" wheels and axles are permitted.
- Wheel covers are permitted.
- Axle placement may be altered.

The following modifications are NOT allowed:

- No loose objects, glass, or fragile parts.
- No wheel bearings, bushings, or washers.
- No obscene drawings or profanity is allowed on the car. Cars having decorations with themes unsuitable for children will not be allowed to race.
- Any part of the car to go beyond the starting peg before the peg is completely lowered.
- Cars that damage the track or purposely interfere with other cars will be disqualified.