

Ft Brooke District Pinewood Derby - Official Rules

Overall

All cars must pass a pre-race inspection to qualify for the race. All cars must be built for the current Pinewood Derby Racing Season. **NO REPEATS** or **REPAINTS**. Cars must be built by the racer, adult supervision is encouraged. Cars may not be sent to third party facilities for tuning or other performance enhancements. The Cub Scout *should* be present for the race and in uniform if possible. The race will be a timed event with the best cumulative time determining the winners.

Eligibility

The 3 winners for each den of a pack's race are eligible to race of the district race provided they register by the deadline.

Car body

The main body structure must be made of wood. Cars that were purchased completed may not be used. Alternately, a pre-shaped block of wood, licensed by the BSA may be used with the stock BSA Wheels and Axles.

Car specifications

**Width* - Not to exceed 2 3/4 inches; including wheels and axles

**Length* - Not to exceed 7 inches

**Weight* - Not to exceed 5.0 ounces on a scale accurate to 1/10 ounce.

**Height* - Must be able to clear Championship gate

**Clearances* -*Center Rail Width* - Must clear center guide rails, typically no less than 1 3/4 inches

-*Bottom* - No less than 3/8 inches from the track surface between the center rails

-*Other* - Fender flairs with less clearance are acceptable as long as the center rail width clearance is maintained.

Weights are preferred to be inset in the body or on top of the car to aid in a safe stop at the end of the track. No part of the car or attachment to any car, which is metal, pointed, sharp and/or jagged, may be capable of contacting any part of the track.

Wheelbase* -The wheel base (distance between front and rear axles) **MAY NOT be changed. The standard wheelbase of 4 3/8" must be kept. Either grooves provided or equal distance of 4 3/8" between axles.

**Front End*

- *Height* - The front end of the car will rest against a short starting pin. Therefore the front bottom of the car which rests on the pin cannot be higher than 1 inch above the track

- *Width* - The front end must be at least 1/2 inch wide in the middle

- **No "V-shaped" front end allowed.**

NO PART OF THE CAR BODY, WHEELS OR ATTACHMENTS MAY PROTRUDE IN FRONT OF THE STARTING PEG.

The car design may be enhanced by the addition of other stable materials such as plastic or metal. Any additions must be securely attached and meet the Car Specifications.

The following items are **PROHIBITED**:

*Springs

*Starting devices or propellants

*Electronic or lighting devices that interfere with the race electronics

*Liquids, wet paint, oil, sticky substance or powders of any kind (other than the dry axle lubrication)

*Glass or excessively fragile parts

*Bearings, bushings, washers, sleeves, hubcaps or inserts attached to or in contact with the axle, body or wheels

*Loose objects or objects that could become loose on the car

*Magnets