

**2021 Pinewood Rules
Official Pack 7 Rules**

Pinewood Derby Car Dimensions

- 1.The overall length of the car shall not exceed 7 inches. [Must fit template.]
- 2.The overall width of the car shall not exceed 2 3/4 inches. [Must fit template.]
- 3.The car must have 1 3/4" clearance between the wheels, the same distance as it comes in the kit.

NOTE: If the car design you chose has a narrow body, make sure the area where the axles are inserted into the body remains 1-3/4" wide, or wheels will not fit over the guide strips of the track.

- 1.The distance between the front and back wheels must be 4 1/2" inches, the same distance as it comes in the kit. [Must fit template.]
- 2.The car must have 3/8" clearance underneath the entire length of the body of the car so it does not rub on the track. [Must pass over template.]
- 3.Cars from previous years may not be used—car must be made in the year of current pinewood derby race.
- 4.Details such as steering wheels are permissible and can include parts from plastic model kits, but must not exceed maximum car dimensions.

Derby Car Weight

- 1.The car weight shall not exceed 5.0 ounces.
- 2.The official race scale that is used at car check-in shall be considered final.

Wood, Wheels and Axles

1. NO washers, bushing, bearings may be added to the wheels, and no moving weights are allowed.
2. A pinewood block must be used. The block may be shaped in any way that is desired, within the dimensions stated above.
- 3.The car can have a V notch in the nose of the car but the center of the starting end of the car must touch the starting pin. No part of the car may be past the starting pin. If you have a V-notch you will be required to glue/hot glue a piece of wire across the front tip of the notches.
- 4.Official BSA wheels must be used. The wheels may not be cut, drilled, beveled or rounded. The wheels may be sanded but must retain their original dimensions. You may remove the seams and imperfections from the wheels.
- 5.The axles supplied with the kit must be used.
- 6.The axles may be deburred and polished.
- 7.They may not be machine turned, grooved or notched in any way.
- 8.They can not be a solid axle.
- 9.The axles grooves:
 - 1.May be redressed to provide a 90° angle. They must still fall within the guidelines above.
 - 2.May not be filled in; however, axels may be glued in with clear drying glue.

•ONLY dry lubrication may be use.

Car Modifications NOT Allowed

- Wheel bearings, washers or bushings are prohibited
- The car must not ride on any type of springs
- No starting devices. The car must be freewheeling.
- No loose material of any kind, such as lead shot, may be used.
- No paint on the underside of car (minor overspray or paint runs are o.k.).

ALL FOUR WHEELS MUST TOUCH THE TRACK! Any variance of this rule will be at the discretion of the Judges.