

# Towpath District Pinewood Derby Official Car Specifications

## Length, Width & Clearance

- Maximum overall length shall not exceed 7 inches.
- Maximum overall width, including wheels and axles shall not exceed 2¾ inches.
- **Wheel Base distance between the front & rear axles must be between 4¼ and 4½ inches. However, you do not need to use the slots provided for wheel axles.**
- Minimum width between the wheels shall be 1¾ inches so the car can clear the guide strip on the track.
- Clearance between the bottom of the car and the track shall be sufficient enough to allow the car to run freely down the track.
- Maximum overall height shall not exceed 3½ inches.

## Weight & Appearance

- Weight shall not exceed 5 ounces and the reading of the official scale will be final.
- Details such as a steering wheel, driver, spoiler, etc. are permissible, so long as there are no loose materials or moving parts of any kind.
- Cars must be designed so the entire car rests behind the starting peg before racing.
- Cars with wet paint will not be accepted.

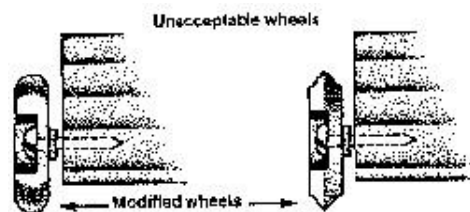
## Wheels & Axles

- Axles, wheels and body must be “Official BSA” and must be the same size and shape as those that come in the Official Grand Prix Pinewood Derby Kit.
- Wheels may only be lightly sanded to smooth molding imperfections.
- Beveling, tapering, thin sanding and wafering are prohibited. Reduction of the tire tread area is not allowed. The tire tread may be lightly sanded and/or polished, but must maintain its original size and shape.
- Width of the wheel may not be altered.
- Wheel bearings, bushings, and hubcaps are prohibited.
- The car shall not ride on any kind of spring.
- The car must be freewheeling, with no starting or propulsion device.
- The wheel-spoke area may not be modified except to add paint or other decoration. You may not “perforate” the tires.
- Inside and outside lettering on the wheels must remain intact and visible.
- Cars must have four wheels positioned at the corners of the car. You are not required to have all wheels on the ground (3-wheeling is allowed), but nothing other than the wheel is allowed to touch the ground.



↑ Acceptable Wheels ↑

↓ Unacceptable Wheels ↓



## Lubrication

- No lubrication oil of any kind may be used.
- Axles may be lubricated with powdered lubricant only.
- No lubrication will be allowed after registration.