

# Pinewood Derby Car Specifications

## Body

Kits supplied by the Pack must be used. Pre shaped (kit) cars are not allowed. Bodies of other materials will be grounds for disqualification. The body may be shaped, hollowed out, or built up as long as it meets all other specifications. Any additions to the body such as a steering wheel, drivers, paint and decals must be attached firmly. No wet or freshly painted vehicles at registration please. No part of the vehicle body may protrude past the starting gate. Only vehicles constructed this scouting year will be raced.

## Width

The vehicle width at the wheels may NOT be modified. It must be the same as the original kit. No wider than 2 3/4 inches. (To fit on track and not obstruct vehicles in the next lane)

## Length

Overall length should be appropriate for the kit used. (To fit in the starting blocks)

## Height

Overall height may not exceed 5 inches. (To fit under the scoring finish line)

## Clearance

At least 3/8 inches from the surface. (To clear the track center guide rail)

## Wheelbase

The wheelbase may not be modified. It must be the same as the official kit, as suggested. The distance from the center of the axles must be 4 7/16 inches. The axle slots may be moved but the distance between the front and rear axle must remain 4 7/16 inches.

## Wheels

Wheels and axles must be as furnished in the official kit. No aftermarket wheels/axles. Only Beta Craft or BSA wheels. Wheels may be sanded to remove the flashing (mold marks) only. NO reduction in width or diameter. NO change in shape. Wheels may be lubricated with dry graphite only. NO liquid lubrication. The axle may be cleaned up by removing burr and molding marks. NO 1-piece axles, NO washers, NO bushings, NO bearings, NO springs are permitted.

## Weight

Cars must not exceed five (5.00) ounces.

We use one scale for all cars. Our scale is the official scale for this event.

## Miscellaneous

Vehicles must free wheel with no stored energy or movable weights. The kit has no designated front or back to the supplied body, either end may be the front.