

Official Pack 417 PINWOOD DERBY CAR Rules

These rules for the 2018 Pinewood Derby were adopted by the Pack Committee at the December 6, 2015 Committee Meeting:



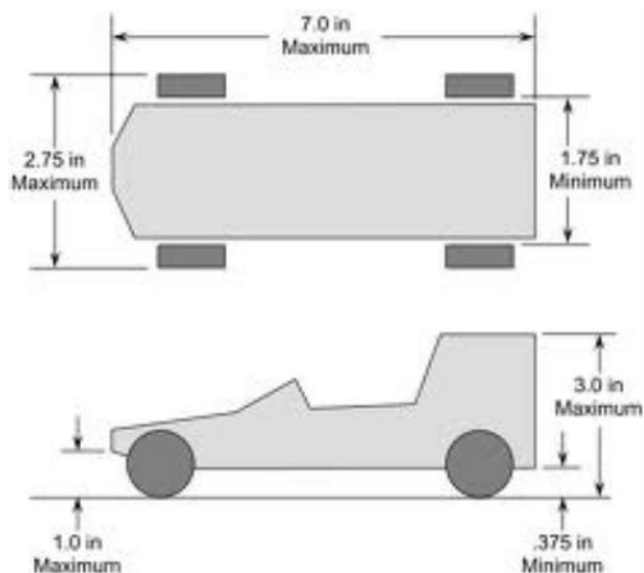
New Car: The car must be constructed in the current school year by the Scout racing it with assistance from any Akela (parents, siblings, friends, relatives). This is an honor system as we can't inspect for this. Previously built cars by the Scout, sibling, friend, Ebay, etc. are not permitted. If you are not able to help your child build a car, contact your den leader or cubmaster, in advance, and we will work with the Scout to build a car. Please just don't wait till the night before the weigh in.

Body: The body in the official BSA Grand Prix Pinewood Derby Kit (The Kit) must be used. It can be shaped, hollowed out or built up as long as it meets all other specifications. Any additions to the body (driver, weights, etc) must be firmly attached.

Front Design: The forward most part of the car must contact the starting pin, which is centered in each lane near the highest point of the track. The starting pin extends 1 inch up from the tracks surface. Cars may not extend over or beyond the starting point.

Car Specifications. Width - 2 $\frac{3}{4}$ inches, Length - not to exceed 7 inches, Weight – not to exceed 5.0 Ounces (per the official scales at time of registration). The car width at the wheels may not be modified. They must be the same as the original kit.

Wheels: Wheels and nails must be as furnished in The Kit. No single axles, washers, bushings, rubber tubing, or springs allowed. Wheels may be sanded to remove the flashing only. No reduction in their width, diameter, or in their shape are allowed.



Axles: The precut axle slots must be used (making them square is allowed if needed). It must be obvious to the judges that the wheels and the nails from the kit are being used.

Lubricants: Graphite is the only approved lubricant! Final applications of graphite are permitted up to the time of the car's impoundment at registration.

Numbers: Car numbers will be assigned during registration and the car will be labeled with this number during impound.

Other: Cars must freewheel with no stored energy or moveable weights. Any piece that falls off a car during racing will remain off the car for the rest of the event. Only exception is a part critical to make the car run (i.e. a wheel) which can be repaired without disrupting the racing. The race director may use his judgment in enforcing the rules.

Breakdowns: If a piece falls off a car after check-in, it will remain off the car for the rest of the derby. Exceptions will be very simple repairs made by race committee or if the car is damaged such that it can't race anymore, the Scout and an adult of his choice may be granted time to perform the repair provided it is completed before the car's next scheduled race. The Race Committee has the final say on allowing or disallowing any repairs.