

Traditional Rules Here

OFFICIAL RULES FOR RED ARROW DISTRICT PINEWOOD DERBY

CAR SPECIFICATIONS

WIDTH: Maximum width (including wheels and axles) shall not exceed 2.75" or (69.85mm) Minimum width between wheels shall be no less than 1.75 inches (44.45mm)

LENGTH: Overall length shall not exceed 7 inches (177.80 mm), including wheels and any decorations

WHEELBASE: The wheelbase, or distance between axles, may not be extended, modified or shortened. It must be 4 3/8 inches from axle to axle.

WEIGHT: Weight of car shall not exceed 5.000 ounces (141.75 grams)

CLEARANCE: There must be at least 3/8 inch (9.52 mm) ground clearance from the underside of the car to prevent interference with the guide strip on the track.

WHEELS: Only the wheels and axles contained in the "Official Grand Prix Pinewood Derby Kit" or official BSA Grand Prix Pinewood Derby colored Wheels may be used. No other kits are legal.

Wheels may not be sanded, shaped or modified in any way. Removal of wheel flash is permissible. Wheel covers or hubcaps will not be allowed. Solid axles are not allowed. Axles from the kit are the only allowable axles.

The car **MUST** have four wheels mounted to the car; they do not all have to be in contact with the track simultaneously, though judges will not be responsible if this causes instability during racing.

DIAMETER: Wheel diameter must be no less than 1.16 inches, tread must be no less than 7.5 mm

ADD ONS: Wheel bearings, washers and bushings are not allowed.

SPRINGING: The car shall not ride on springs of any kind.

MOVING PARTS: All weights and accessories must be secured to the car. No loose or liquid moving weights are permitted, other than the four official wheels mounted to the car.

ATTACHMENTS: The car must be freewheeling with no starting devices.

LUBRICATION: Only dry powdered lubricant may be used. No solvent-based lubricants may be applied. Once the car is impounded, no additional lubricant may be applied.

Outlaw Rules

1. The car cannot be over 7" (seven inches) long and 4" (four inches) tall including any decorative accessories such as plastic lights, bumpers, drivers, etc. It must fit into the official measurement box with the wheels touching the bottom of the box. DIMENSIONS – 7" LONG X 4" TALL (NO LARGER)
2. **NO FENDERS will be allowed on any car**
3. The car and all of its parts cannot weigh more than 5 ounces.
4. You may use graphite to lubricate the wheels before weigh-in. Cars will be collected at weigh-in. Further modifications and lubrication is prohibited. Dry lubricant only, such as graphite, may be used. NO OIL OR LIQUID OF ANY TYPE. NO GREASE.
5. Change the wheels you have, BUT THEY MUST BE THE SAME SIZE AS OFFICIAL WHEELS
6. No Propulsion
7. **YOU MUST use the wood block provided... As little or as much of it as you want to use.**