

Soap Box Car Specs and Parts

WHEELS MUST NOT EXCEED 12 INCHES IN DIAMETER. ALL WHEELS MUST BE EQUIPPED WITH SOLID RUBBER TIRES. CAR FRAME IS MADE FROM 2 X 4 INCH CONSTRUCTION LUMBER. THE OVERALL LENGTH OF THE CAR IS A MAXIMUM OF 5 FEET. THE WHEEL BASE A MAXIMUM OF 4 FEET IN LENGTH CENTER TO CENTER. A MAXIMUM WHEEL BASE WIDTH OF 31 INCHES FROM OUTSIDE TO OUTSIDE OF TIRES. STAY AS CLOSE TO 31 INCHES AS POSSIBLE. SOLID STEEL AXLES MAY BE USED.

USE ROUNDHEAD $\frac{1}{4}$ INCH BOLTS TO HOLD FRAME. SCREWS ARE A SECOND CHOICE. NAILS ARE NOT SUITABLE, BECAUSE THEY MAY WORK LOOSE.

ALL CARS MUST HAVE A SEAT WITH BRACED BACKREST, SO THE BOY CAN COMFORTABLY STEER WITH HIS FEET.

STEERING IS DONE WITH THE FEET, WHICH ARE PLACED ON THE FRONT AXLE, AND BY THE HANDS HOLDING A ROPE FASTENED TO THE FRONT AXLE.

IF THREADED AXLES ARE USED, THE NUTS MUST BE SECURED WITH COTTER PINS. CARS MUST BE EQUIPPED WITH AN ADEQUATE SAFETY BELT SECURELY FASTENED TO THE MAIN FRAME OF THE CAR.

CARS MUST BE EQUIPPED WITH A HANDBRAKE WITH ITS RUBBING SURFACE FACED WITH A RUBBER MATERIAL SUCH AS A STRIP OF AN OLD TIRE. THIS WILL STOP THE CAR WHEN DRAGGED ON THE GROUND.

DURING THE RACE, THE TWO 2 X 4 BLOCKS FASTENED $\frac{1}{2}$ INCH FROM THE CENTER BOARD WILL LIMIT THE TURNING RADIUS.

