



AZ Ministry Network Ranger Derby Rules & Car Specs.



These guidelines and specifications will be used at District and Section level.

Car Building Rules:

1. **ALL Ranger Derby cars are to be made from Royal Rangers car kits purchased through GPH or similar supplier. Pinewood Derby kits used by Boy Scouts or Cub Scouts are not allowed:**

- a. Contestant may add weights to the car in order to bring the car to the maximum allowed weight.
- b. Weights must be an integral part of the car.
- c. Weights may be placed inside the car, mounted as an ornament, or be otherwise permanently attached.
- d. The forward most part of the car's front must touch the start peg's face, no other part of the car can extend beyond this point.

2. **Specifications for Cars racing in the 5.5 Oz. Class (including all attachments)**

- a. Maximum Length----- 7 ½ inches
- b. Maximum Width----- 2 ¾ inches
- c. Maximum Height----- 3 inches
- d. Minimum Under-car clearance----- 3/8 inch
- e. Minimum Distance Between Wheels----- 1 ¾ inch
- f. Maximum Weight----- 5.5 oz.

3. **Specifications for Cars racing in the 8.0 oz. Super Modified Class (including all attachments)**

- a. Meet standards: 2a, 2b, 2d and 2e.
- b. Maximum Height----- 7 inches
- c. Maximum Weight----- 8 oz.
- d. All other AZ District Ranger Derby rules apply.

Racing rules:

1. **In order to be eligible for competition in either racing or show:**

- a. NO LIVE CREATURES AND NO LIQUIDS.
- b. Once a car has been registered, no further work may be done to it.
- c. Only dry lubricants (graphite, spray graphite or teflon, etc) may be used. NO OILS may be used as they can damage the tracks.
- d. CARS AND PARTS OF THE CAR CANNOT HAVE RACED IN A PRIOR RANGER DERBY UNLESS A SPECIFIC CLASS IS CREATED FOR OLD CARS.
- e. Fit on and roll down the track without interfering with any other car.
- f. If the car leaves its track lane two or more times, the car may be disqualified.
- g. A contestant may enter only one car per class listed below.

2. **The following classes will race at the AZ Ministry Network Ranger Derby:**

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| a. Rangers Kids (K-2 grade boys) | 1 st , 2 nd , and 3 rd place awards for race and show |
| b. Discovery Rangers (3-5 grade boys) | 1 st , 2 nd , and 3 rd place awards for race and show |
| c. Adventure Rangers (6-8 grade boys) | 1 st , 2 nd , and 3 rd place awards for race and show |
| d. Expedition Rangers (HS grade boys) | 1 st , 2 nd , and 3 rd place awards for race and show |
| e. Commanders/Leaders (Royal Rangers only) | 1 st , 2 nd , and 3 rd place awards for race and show |
| f. Open (All Non Rangers: Dads, Moms, girls) | 1 st , 2 nd , and 3 rd place awards for race and show |
| g. Super Modified (Open to all) | 1 st , 2 nd , and 3 rd place awards for race and show |
| h. Grand Champion: (A-B-C-D) First place winners. | Special Award |