



2022 AZDMN Ranger Derby Rules & Car Specs.



Car Building Rules:

1. ALL Ranger Derby cars are to be made from Royal Rangers car kits purchased from MY HEALTHY CHURCH:

- 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. Weights may not be taped.
- e. 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.
- f. Wheels and Axles: Grooving axles is not allowed, Wheels cannot be machined thinner than original width.
- g. Home made wooden blocks may be used in place of the MHC provided block, ALL OTHER SPECIFICATIONS STILL APPLY.

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.

Racing rules:

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

- a. NO LIVE CREATURES AND NO LIQUIDS.
- b. Once a car has been registered, no further work may be done to it.
- c. All cars must be able to race in its owner's class.
- d. All cars must have NEVER raced in previous race events. The only except is in the "Oldies but goodies Class".
- 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 2 cars, one in his/her respective class and one in Super Modified Class.

2. The following classes will race at Ranger Derby:

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| a. Rangers Kids | 1 st , 2 nd , and 3 rd place awards |
| b. Discovery Rangers | 1 st , 2 nd , and 3 rd place awards |
| c. Adventure Rangers | 1 st , 2 nd , and 3 rd place awards |
| d. Expedition Rangers | 1 st , 2 nd , and 3 rd place awards |
| e. Commanders/Leaders | 1 st , 2 nd , and 3 rd place awards |
| f. Open (Girls and all Non-Rangers) | 1 st , 2 nd , and 3 rd place awards |
| g. Super Modified (Open to all) | 1 st , 2 nd , and 3 rd place awards |
| h. Grand Champion: (B-C-D) First place winners. | Special Award |
| i. Best Design for each of the above classes | 1 st , 2 nd , and 3 rd place awards |