



## **AMUGderby Rules and Race Procedures December 29, 2023, Revision**

**Race Date:** Tuesday, March 12, 2024

**Location:** Hilton Chicago, Salon C

**Time:** 6:00 pm CST (start time may be adjusted prior to the race)

**Registration:** [Online Registration Form](#)

### **Eligibility**

Participants must be registered to attend the AMUG Conference (Attendee or Expo Staff). There is not a restriction on how many entries may be made by the same company, however only one entry per attendee is allowed.

### **Body Material/Fabrication**

Main body of the car must be 3D printed in any material (polymer, metal, ceramic, etc).

Main body of the car may be painted or coated.

Any additions, such as weights, must be securely attached to the main body of the car.

### **Car Dimensions**

Overall length shall not exceed 7 inches.

Overall width shall not exceed 2.75 inches.

Overall height shall not exceed 4 inches.

Must have 1.75-inch minimum clearance between the wheels.

Must have 0.375-inch minimum ground clearance (body to track).

### **Front Edge of Car**

When placed in the starting position, the front edge of the car will rest on a retractable starting pin that protrudes upward from the center of the track. No part of the car (including the front wheels) may extend forward beyond the starting pin. The front edge of the car should be at least 0.5 inch wide at the center of the car.

### **Car Weight**

Weight shall not exceed 6 ounces.

### **Wheels and Axles**

Official BSA® wheels kits (wheels + axles) must be used and can be purchased [online](#).

Axles may be sanded and/or polished to remove blemishes.

Only graphite powder may be used to lubricate the axles. No liquid lubricants are allowed.

Axles may not be bent or angled.

No adjustment of the wheels is allowed (e.g., cutting, beveling, drilling, or rounding).

Car must use all 4 wheels.

At least 3 wheels must be flat on the track or gage at inspection.



### **Car Modifications Not Allowed**

No propellants or propulsion mechanisms may be used.  
No loose items are allowed on the car.

### **Race Procedure**

Car must pass inspection prior to racing.

Cars that do not pass inspection may be modified to meet the criteria.

Once a car passes inspection, only race committee members may handle it.

If the car loses a wheel or is otherwise damaged, the racer may make repairs within 5 minutes.

Repaired cars must pass inspection prior to racing again.

Each car will race a total of 3 qualifying runs, with an average taken of the run times.

The top 4 average times will advance to the championship round, for a best-of-one-round race.

Prizes will be awarded to the Championship winner, and the “Best Design” winner.  
Best Design to be chosen by the race committee.

### **Questions**

Contact us at [info@amug.com](mailto:info@amug.com).