

# Babylon Jr/Sr High School

## CO<sub>2</sub> Dragster Competition

### *Stock Competition Registration*

Car # \_\_\_\_\_ Time \_\_\_\_\_ MPH \_\_\_\_\_

Competitor's Name \_\_\_\_\_

Grade Level MS \_\_\_\_\_ HS \_\_\_\_\_

Teacher \_\_\_\_\_

Directions: Fill your dragster's values.

<b>Stock Criteria</b>	<b>Stock Limitations</b>		<b>Your Dragster</b>
	Maximum	Minimum	
1. Axle Hole: What is the distance from the center of the axle hole to the bottom of the dragster design?		9mm	Front:
			Rear:
2. What is the body length of the dragster design?	305mm	200mm	
3. What is the body height of the dragster design at the rear, from the bottom of the wheel?	75mm	56mm	
4. What is the mass of the dragster?	170 grams	45 grams	
5. What is the body width of the dragster design at the axles?	Front: 42mm	Front: 35mm	Front:
	Back: 42mm	Back: 35mm	Rear:
6. What is the distance from the bottom of the dragster design to the center of the CO <sub>2</sub> hole?	35mm	31mm	
7. What is the thickness of the CO <sub>2</sub> housing hole?		3mm	
8. Screw eyes: What is the distance from the front screw eye to the rear screw eye?	270mm	155mm	
9. What is the diameter of the front and rear wheels?	Front: 37mm	Front: 32mm	Front:
	Back: 40mm	Back: 30mm	Rear:
10. What is the width of the front and rear wheels?	Front: 5mm	Front: 2mm	Front:
	Back: 18mm	Back: 15mm	Rear:
11. What is the wheel base of the dragster design? Axle hole to axle hole	270mm	105mm	

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*Teacher's Signature*