

Set of Student Measurements of Parts in a Mini-DX3

1. Nose Cone
 - Tip-to-shoulder length: approx 8.5 in
 - Shoulder-to-base length: 1.9 in to the skinny part, 2.1 to the end
 - O.D.: 1.62 in
 - Shoulder O.D.: 1.51 in
 - Mass: 1 oz, 28g
2. Payload (Forward Body) Tube
 - Length: 8 in
 - O.D.: 1.59 in
 - I.D.: 1.53 in
 - Wall Thickness: .05 in
 - Mass: 0.7 oz, 21g
3. Coupler Tube
 - Length: 4in
 - O.D.: 1.52 in
 - I.D.: 1.44 in
 - Wall Thickness: .05 in
 - Mass: .04 oz, 10g
4. Bulkhead (Bulkplate)
 - Thickness: 0.127 in
 - O.D.: 1.44 in
 - I.D.: 0.2 in
 - Mass: .1 oz, 2g
5. Eyebolt, Washer, and Nut
 - Mass: .4 oz, 9g
6. Main (Aft) Body Tube
 - Length: 22 in
 - O.D.: 1.62
 - I.D.: 1.51 in
 - Wall Thickness: .049 in
 - Mass: 2.3 oz, 66g
7. Motor Mount Tube
 - Length: 8 in
 - O.D.: 1.22 in
 - I.D.: 1.15 in
 - Wall Thickness: .04 in
 - Mass: .5 oz, 14g
8. Fore (Forward) Centering Ring
 - Thickness: 0.12 in
 - O.D.: 1.52 in
 - I.D.: 1.21 in
 - Mass: >.01 oz, >1g
9. Aft Centering Ring
 - Thickness: 0.13 in
 - O.D.: 1.52 in
 - I.D.: 1.22 in
 - Mass: >.01 oz, >1g
10. Motor Retainer Body (The Inside Part)

- Thickness/length: .12in/.6in
- O.D.: 1.46
- I.D.: 1.22 in
- Depth of motor-mount recess:
- Mass: .10z, 4g
- 11. Motor Retainer Cap (The Outside Part)
 - Thickness/length:.134 in, .75in
 - O.D.: 1.66 in
 - I.D.: 1.4 in
 - Mass: 3oz, 8g
- 12. Fins
 - Root chord length:
 - Tip chord length:
 - Sweep length:
 - Sweep angle:
 - Semi span:
 - Mass:
- 13. Parachute
 - Diameter: 20in
 - Shroud line length: 18 in
 - Mass: 0.6oz, 17g
- 14. Chute Protector
 - Mass: .20z, 7g
- 15. Shock Cords
 - Combined Length: 9' 4"
 - Mass: .5 oz, 16g
- 16. Launch Lugs
 - I.D.: 0.28in
 - Mass: >.01 oz, >1g