

Bottle Rocket Alert

Bottle Rocket Teams & Supervisors,

As the following image shows, there can be a significant variation in bottle neck dimensions.



This may be a problem for attaching the bottle to your launcher. I suggest that you:

- **Alert all teams:** If your launcher is not adaptable to fit all bottles, you may need to **alert** all of the competing teams what bottles or bottle dimensions, if any, won't fit on your launcher.
- As a last resort: on the day of the contest bottles should be tested early in the day to make sure they fit and if not the contestants may rebuild their rocket with in the time constraints of the contest.
- Standard bottle nozzles have an internal diameter of 2.2 cm and a standard shank height from flange to bottle's opening of under 1.56 cm. Some brands of beverages have bottles with smaller nozzles or longer shanks that might not fit on standard event supervisor launchers. Teams must check their bottle rocket nozzle dimensions and verify compatibility with their local event supervisor's launch apparatus.

Thanks for your attention.

Jake Winemiller