

What We Tested

We conducted testing with the AccuStrike Series darts, Elite darts, MEGA darts, and clip system suction cup darts, using a variety of NERF blasters, to determine whether or not the Accustrike Series dart is the most accurate NERF dart. Accuracy, in one sense, means the ability to hit a given target at a given distance, but the ability to hit a given target at a given distance involves multiple different variables beyond the design of the dart. For example, you also need to consider the user's skill, the condition of the blaster, the condition of the dart, wind, as well as other weather and environmental factors. Therefore, the NERF team determined that the most important and relevant measurement of a dart's comparative "accuracy" to a user was the precision and repeatability of the dart being fired.

How We Tested

The testing process measured and compared the precision and repeatability of the AccuStrike Series dart versus the Elite darts, MEGA darts, and clip system suction cup darts. We tested each dart type with each of the different dart-firing mechanisms available in NERF blasters. using two different samples of each type of blaster.

In each test, the blaster was fired 30 times from a fixed position and angle at a grid 30 feet away. We analyzed the data points to determine the diameter of the smallest circle that contained 90% of the shots; then a circle was graphed around those shots. In order to compare the dart types, the shot diameter of all of the trials with each dart type were compared collectively. The smallest average shot diameter was the AccuStrike Series darts at 25.57 inches.

What We Concluded

The test data and analysis from this testing indicates that the AccuStrike Series dart provides the most precise and repeatable results of all existing NERF darts.