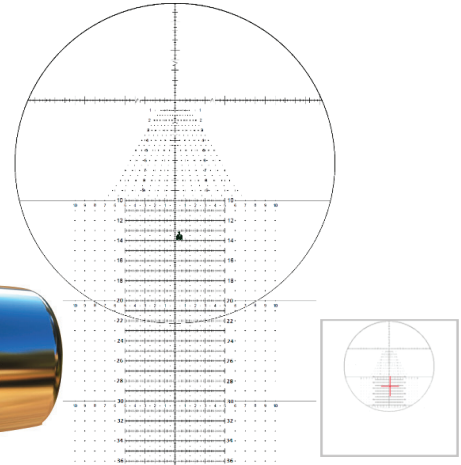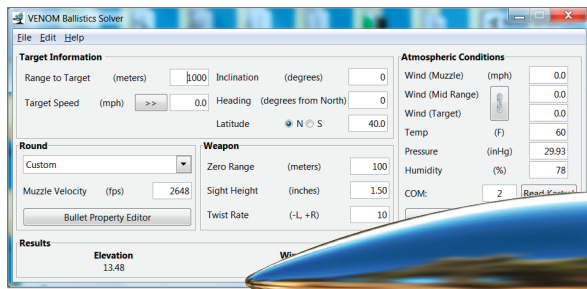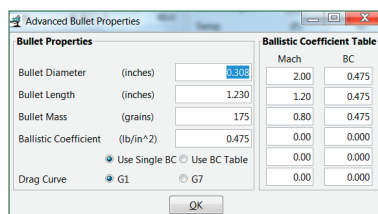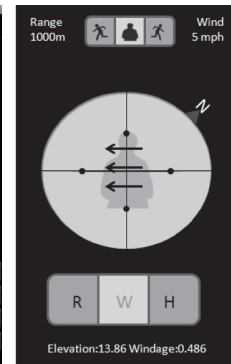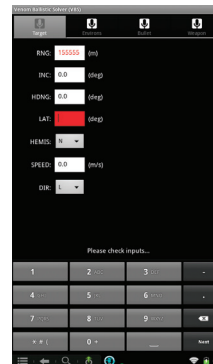# VENOM™ Ballistic Solver

The VENOM™ Ballistics Solver (VBS) is the first small arms ballistics solver properly computing the wind's influence on a bullet. VBS was created specifically for small arms weapons ranging from 5.56 mm rounds to 12.7 mm rounds. Computations achieve nearly the accuracy of a full 6DOF using a three degree of freedom (3DOF) modified point mass numerical solver that considers velocity, time of flight, and bullet drop as a function of the round's position downrange until the round reaches the target using the current environmental conditions. VBS fully accounts for Coriolis effects in both the vertical and horizontal direction of fire, spin drift, and aerodynamic jump (the Magnus effect).
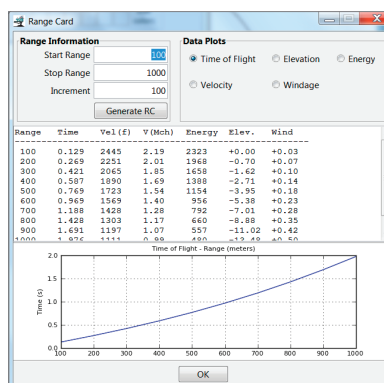
VBS contains all standard drag curves, while user can create custom curves for designer rounds. System novel approach to calculating the wind deflection is where it differs significantly from most other solvers, making it an ideal solution for any application where extreme accuracy at long ranges well into the subsonic range is of the utmost importance.
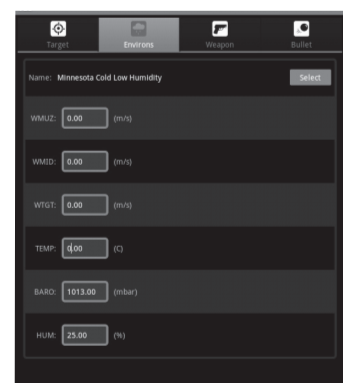
VBS is available as a stand-alone program under Windows or Android OS.

Define Custom Bullets

Custom Range Cards

Android Version