

7-10.01

SAAMI TECHNICAL COMMITTEE MANUAL

ISSUED 10-5-78

VOLUME VII, CENTERFIRE RIFLE

REVISED

CENTER OF IMPACT

Definition: The center of a target made by a series of rounds fired at the same aiming point. It is expressed as its vertical and horizontal distance from the point of aim, e.g. 2.6" (6.6cm) low, 4.30" (10.9cm) left. For measurement, see data sheet 7-10.02.

Range: 100 yards (100 meters)

Equipment: A trained shooter using an appropriate rest (hand or machine) and sights to minimize aiming errors.

Sight Picture: The sight picture should be such that the front sight is centered in the rear sight notch with the top of the front sight level with the top edge of the rear sight adjacent to the notch. The top of the front sight is then placed tangent to the bottom of an appropriate bullseye (6 o'clock). This is called the point of aim. Illustrations of the various sighting means are shown on data sheet 7-10.08.

Performance: As delivered, all rifles with adjustable sights are expected to be capable of having the sights adjusted to move the center of impact to the point of aim at the specified range.