

**CONFIDENTIAL**

Remington Arms Company Inc.  
RESEARCH & DEVELOPMENT TECHNICAL CENTER  
315 WEST RING ROAD

**Accuracy Testing:****POINT OF AIM AND POINT OF IMPACT TESTING –**

To insure that each rifle can hit where it is aimed when using iron sights a test will be conducted to evaluate this property.

The shooter will shoot three (3) 5-shot groups with each sample rifle. The shooter will select a point of aim for each of the three 5-shot groups. For each of the 3 5-shot groups the center of impact will be calculated. The 3 centers of impact will then be averaged and this location will be compared to the point of aim for each group. This group average should be within a 2.7" circle inscribed around the point of aim. If the group average is within the 2.7" circle go to the next rifle. Repeat process.

If a group average is located outside the 2.7" circle, adjust the sight for either elevation or windage or both in the direction that will bring the group average with the 2.7" circle. Repeat test until group average is within the 2.7" circle or there is no adjustment left in the sight for either elevation or windage.

**Method:**

- Shoot test at 100 yards.
- Use Remington .30-06 ammunition: R30065, 180 grain, Point Soft Point, Core-Lokt®
- Shoot a warmer shot.
- Select point of aim for a given 5-shot group
- Repeat for remaining two 5-shot groups.
- Collect target(s) and calculate the center of impact for each group from the Point of Aim
- Average the center of impacts from the point of aim for the 3 groups
- Determine if the average point of impact for the 3 groups is within the 2.7" circle.
- If average point of impact is within 2.7" of point of aim go to next sample rifle.
- If average point of impact is outside of 2.7" circle of point of aim re-adjust sight for either windage, elevation or both in the direction that will bring the average point of impact toward the point of aim.

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