

## ACCURACY AND CHRONOGRAPH DATA

### **Federal Champion 45 ACP 230-gr. FMJ RN WM5233**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Maximum Spread  
Maximum Shot Radius  
Average Group Radius

### **Sig Sauer P250 45 Full Size**

815 fps  
10 fps  
339 ft.-lbs.  
3.05 in.  
1.54 in.  
0.93 in.

### **Springfield Armory XDM 45**

817 fps  
1 fps  
341 ft.-lbs.  
2.47 in.  
1.29 in.  
0.92 in.

### **Hornady Custom 45 ACP 200-gr. XTP 9112**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Maximum Spread  
Maximum Shot Radius  
Average Group Radius

### **Sig Sauer P250 45 Full Size**

895 fps  
19 fps  
356 ft.-lbs.  
3.61 in.  
1.89 in.  
1.58 in.

### **Springfield Armory XDM 45**

898 fps  
9 fps  
358 ft.-lbs.  
2.21 in.  
1.13 in.  
0.64 in.

### **Hornady Custom 45 ACP 185-gr. XTP 9090**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Maximum Spread  
Maximum Shot Radius  
Average Group Radius

### **Sig Sauer P250 45 Full Size**

940 fps  
16 fps  
363 ft.-lbs.  
2.47 in.  
1.31 in.  
0.77 in.

### **Springfield Armory XDM 45**

957 fps  
7 fps  
376 ft.-lbs.  
2.10 in.  
1.14 in.  
0.87 in.

*To collect accuracy data, we fired from a sandbag rest using open sights. Distance: 20 yards. To calculate Average Group Radius, we fired 10 shots, then found the center of the 10-shot group. We then measured the distances from the group center to each shot, and averaged them. Maximum Shot Radius is the distance from a group's statistical center to the center of the most distant hole, the worst shot in the string. Maximum Spread (group diameter) is the distance between the centers of the two widest shots in the group. We recorded velocities using an Oehler 35P chronograph, with the sky screens set 10 feet from the muzzle.*