

## ACCURACY AND CHRONOGRAPH DATA

### **Black Hills 40 S&W 180-gr. JHP**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Smallest Group  
Largest Group  
Average Group

### **Walter PPS 40**

880 fps  
11 fps  
310 ft.-lbs.  
1.0 in.  
1.5 in.  
1.3 in.

### **Kahr Arms PM 40**

956 fps  
13 fps  
366 ft.-lbs.  
2.1 in.  
2.5 in.  
2.3 in.

### **Springfield EMP 40**

914 fps  
18 fps  
334 ft.-lbs.  
1.1 in.  
1.5 in.  
1.3 in.

### **Black Hills 40 S&W 180-gr. FMJ Remanufacture**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Smallest Group  
Largest Group  
Average Group

### **Walter PPS 40**

935 fps  
6 fps  
350 ft.-lbs.  
1.6 in.  
2.0 in.  
1.8 in.

### **Kahr Arms PM 40**

982 fps  
7 fps  
386 ft.-lbs.  
1.6 in.  
2.0 in.  
1.8 in.

### **Springfield EMP 40**

972 fps  
12 fps  
378 ft.-lbs.  
1.3 in.  
1.7 in.  
1.5 in.

### **Winchester USA 40 S&W 165-gr. FMJ USA40SWVP**

Average Velocity  
Standard Deviation  
Muzzle Energy  
Smallest Group  
Largest Group  
Average Group

### **Walter PPS 40**

935 fps  
12 fps  
321 ft.-lbs.  
0.9 in.  
1.5 in.  
1.2 in.

### **Kahr Arms PM 40**

962 fps  
6 fps  
339 ft.-lbs.  
1.9 in.  
2.1 in.  
2.0 in.

### **Springfield EMP 40**

965 fps  
8 fps  
341 ft.-lbs.  
1.8 in.  
2.2 in.  
2.0 in.

*To collect accuracy data, we fired five-shot groups from a sandbag rest using open sights. Distance: 10 yards. We recorded velocities using an Oehler 35P chronograph, with the sky screens set 10 feet from the muzzle.*