

ACCURACY AND CHRONOGRAPH DATA

Black Hills Ammunition 40 S&W 155-gr. JHP New Manufacture

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

Heckler & Koch P30S V3

1111 fps
12 fps
425 ft.-lbs.
4.6 in.
2.34 in.
1.55 in.

Glock G22 Gen 4

1127 fps
16 fps
437 ft.-lbs.
3.63 in.
1.93 in.
1.20 in.

Smith & Wesson SD40

1113 fps
7 fps
426 ft.-lbs.
4.05 in.
2.5 in.
1.35 in.

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

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

Heckler & Koch P30S V3

960 fps
14 fps
338 ft.-lbs.
3.43 in.
1.74 in.
1.24 in.

Glock G22 Gen 4

980 fps
6 fps
352 ft.-lbs.
3.6 in.
1.86 in.
1.21 in.

Smith & Wesson SD40

980 fps
10 fps
352 ft.-lbs.
3.85 in.
2.13 in.
1.41 in.

Winchester USA 40 S&W 180-gr. JHP USA40JHP

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

Heckler & Koch P30S V3

967 fps
14 fps
374 ft.-lbs.
3.25 in.
1.91 in.
1.43 in.

Glock G22 Gen 4

961 fps
5 fps
369 ft.-lbs.
4.43 in.
2.33 in.
1.58 in.

Smith & Wesson SD40

970 fps
14 fps
376 ft.-lbs.
5.73 in.
2.92 in.
2.00 in.

To collect accuracy data, we fired from a sandbag rest using open sights. Distance: 25 yards. We recorded velocities using an Oehler 35P chronograph, with the sky screens set 10 feet from the muzzle. To tabulate the results, we scanned the targets and used the Ruler tool inside Photoshop CS3 to find the group centers and measure the various impacts to the thousands of an inch, and rounded the results to the hundredths of an inch. 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. To find a fuller description of these terms, log on to www.shootingsoftware.com/measure.htm (Recreational Software, Inc.).