

ACCURACY AND CHRONOGRAPH DATA

Federal Personal Defense 45 ACP 230-gr. HydraShok JHP P45HS1

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

Kimber Desert Warrior

920 fps
10 fps
433 ft.-lbs.
1.67 in.
3.60 in.
1.12 in.

Double Star Combat Pistol

870 fps
14 fps
387 ft.-lbs.
1.75 in.
3.57 in.
1.10 in.

Wolf 45 ACP 230-gr. Copper FMJ

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

Kimber Desert Warrior

858 fps
11 fps
376 ft.-lbs.
1.58 in.
3.30 in.
1.09 in.

Double Star Combat Pistol

820 fps
5 fps
344 ft.-lbs.
1.91 in.
4.10 in.
1.34 in.

Hornady 45 ACP +P 200-gr. JHP/XTP 9113

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

Kimber Desert Warrior

1043 fps
4 fps
483 ft.-lbs.
1.89 in.
3.86 in.
1.45 in.

Double Star Combat Pistol

1024 fps
10 fps
466 ft.-lbs.
2.55 in.
5.30 in.
1.45 in.

To collect accuracy data, we fired five-shot groups 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 imaging tools inside Photoshop CS3 to find the group centers and precisely measure the various impacts.