

First-look observations of the performance of the
9x18mm Ultra Jacketed Hollow Point
in bare ballistic gelatin

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Brass Fetcher Ballistic Testing

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Summary :

The 9x18mm Ultra cartridge is a ballistic go-between between the .380ACP and the 9x19mm Luger cartridge. It's comparable size and operating pressure similar to the .380ACP lends itself well to being chambered in pocket pistols. Where the cartridge really shines, however, is in the increased muzzle velocity that is obtainable from a 2 ¾" barrel length versus the typical .380ACP pocket pistol of the same barrel length.

What follows is a cursory first look at the performance of this cartridge, when fired from a 2.75" long pistol barrel, into bare gelatin blocks. The results below are not statistically significant but they are noted for the general interest and use of the shooting public. This document will be updated and posted to www.BrassFetcher.com as more test data becomes available.

<u>Bullet type</u>	Impact velocity (ft/sec)	Impact kinetic energy (ft*lb)	Expanded diameter (inch)	Penetration depth (inch)
Hornady 90gr XTP JHP	1131	256	0.472	11.1
Remington 102gr Golden Saber JHP	1025	238	0.563	9.2

Hornady 90gr XTP JHP

10% ballistic gelatin

Block calibration velocity : 587 ft/sec

Block calibration depth : 3.4"

Block calibration temperature : 41.0 degrees Fahrenheit

Gelatin core temperature : 40.2 degrees Fahrenheit

Impact velocity : 1131 ft/sec

Deepest penetration depth : 11.1"

Non-cavitation depth : 8.0"

Largest crack diameter : 2.3"

Largest crack diameter location : 3.6"

Bullet recovered average diameter : 0.472"

Side View of Hornady 90gr XTP JHP



Top View of Hornady 90gr XTP JHP



Remington 102gr Golden Saber JHP

10% ballistic gelatin

Block calibration velocity = 582 ft/sec

Block calibration penetration depth = 3.3"

Block calibration temperature = 41.5 degrees Fahrenheit

Block core temperature = 39.3 degrees Fahrenheit

Impact velocity = 1025 ft/sec

Deepest penetration depth = 9.2"

Non-cavitation depth = 6.7"

Largest crack diameter = 1.6"

Largest crack diameter location = 2.2"

Projectile recovered average diameter = 0.563"

Projectile recovered height = 0.330"

Projectile recovered weight = 102.0g

Side View of Remington 102gr Golden Saber JHP



Top View of Remington 102gr Golden Saber JHP



