

MARINE CORPS WARFIGHTING LABORATORY

The purpose of the **P90 Submachine Gun** initiative is to examine a possible replacement for the current Marine Corps sidearm weapon.

Background: The P90 Submachine Gun is being examined as a potential replacement for the aging 9mm Beretta pistol. The Beretta's lack of range, penetration and ammunition capacity are problems that have been identified by operating forces. The P90 initiative seeks to remedy these problems by providing the warfighter with a compact, lightweight alternative that possesses the firepower operational forces are seeking.

Description: The P90 is light, quick to aim and easy to shoot. It is compact, user friendly, and provides a 50 round magazine which offers a substantial response to most threats. The weapon possesses a quick aiming optical sight and low recoil improving first round hit probability. The see-through magazine can be fire 900 rounds per minute and each round can perforate 48 plies of Kevlar up to 200 meters. It can also be equipped with an optional laser aiming device.

The P90 is compact enough that one could comfortably wear the weapon as a sidearm weapon. The contours of the weapons has been designed to be smooth, lowering the possibility it will get snagged on clothing or other effects. The weapon is also ambidextrous making it comfortable for both left and right handed shooters. The P90 features a blow-back mechanism firing from a closed breech. The trigger has been ergonomically designed for easy access even with arctic or NBC gloves. Maintenance costs are limited due to the small number of parts associated with the weapon. Little lubrication is required and the P90 breaks into three basic assemblies in seconds with no tools required.

P90 Submachine Gun

fact sheet



Weapon Characteristics:

Overall Length: 19.7 inches

Width: 2.2 inches

Height with Optical Sight: 8.3 inches

Weight with Loaded Magazine: 6.6 pounds

Ammunition: 5.7 x 28 mm

Magazine Capacity: 50 rounds

Firing Modes: single shot, full automatic

Cyclic Rate of Fire: 900 rounds per minute

Max Effective Range: 200 meters

Deliverable Products: To provide a possible replacement for the current Beretta 9mm pistol.

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