

These rifles made for the U.S. Army by Remington meet or exceed government requirements of 1.3 inches Average Mean Radius (AMR) at 200 yards, and 1.9 inches at 300 yards, based on five targets of ten shots each. The barrel on the SWS rifle is 24-inches in length, has five lands & grooves, is radially-rifled with a twist of one turn in 11.25 inches. These barrels were initially supplied by Mike Rock of the Rock Barrel Company in Wisconsin. High power shooters referred to these as 5R barrels, originally designed by Boots Obermeyer, and patterned after rifling from the Soviet AK-74 rifle. Remington now fabricates the 416-R stainless steel barrels for all SWS rifles, and corrosion protection is provided by a Rem-Tuff, powder-coat finish applied at the factory. The barrels are free-floated.

The receiver on the SWS is the Remington Model 700 long-action. The short-action receiver can handle the 7.62 NATO cartridge, but the U.S. Government insisted on the long-action in anticipation of an eventual rechambering to a more powerful .300 Win Mag cartridge (or to an even more potent .338 Lapua). For added strength the receiver is fitted with a steel trigger guard and steel magazine floor plate made by Dakota Arms. The trigger mechanism is from the Remington M40X, externally adjustable for pull. The internal magazine holds five rounds with the bolt closed. The state-of-the-art ambidextrous, high-comb stock was a joint design effort by Remington designers and H-S Precision of Prescott, Arizona. Known by H-S as their Pro-Series Sniper, this stock has a palm swell on both sides of the fore-stock and is fabricated from a Kevlar-graphite-fiberglass composite using epoxy-based resins to enhance strength, durability under combat conditions, and warp-free characteristics during adverse environmental conditions (Arctic chill to desert dryness). The stock utilizes an aluminum (7075-T6) bedding block which is molded in with a polyurethane foam reinforced with fiberglass. The stock is then finished with an epoxy-based, high-temperature black coating, which is non-reflective and non-slip. An adjustable, high-strength aluminum alloy butt plate assembly is fitted to the composite stock. The length of pull can be adjusted from 12 to 14 inches to fit the individual snipers physique.

The precision ten-power telescope is the Leupold-Stevens Ultra M-3A with Mil dot system for range estimation. It is nitrogen-filled and was designed for quick ranging on target, as anticipated for sniper ops. The scope has a three-quarter-minute Mil Dot reticle pattern, to assist in target acquisition and ranging. It features an elevation dial with one-minute click resolution that permits adjustments in elevation from 100 to 1,000 yards within a single revolution of the dial.

It has a windage adjustment of one-half-minute click resolution. A turret-mounted focus adjustment eliminates