

**SMITH ENTERPRISE, INC.**  
**1701 West 10<sup>th</sup> Street, Suite 14**  
**Tempe, Arizona, 85281**  
**(480) 964-1818, Fax (480) 921-9987**  
**www.smithenterprise.com**

**M14SE MEDIUM HEAVY CRAZY HORSE® BARREL, 7.62MM NATO**  
**P/N 9345-M14SE**

A modernized version of the original US Army ARDEC medium heavy M-14 barrel pattern, the Smith Enterprise, Inc. M14SE Crazy Horse (CH) barrel is now finding its way into an increasing number of modernized US Armed Forces M-14 rifles. These modified M-14 rifles are principally found in the US Army and are currently employed in quantity in combat operations and elsewhere. The 22.0-inch M14SE CH barrel offers the maximum possible weight while still allowing for the use of the standard USGI operating rod. Unlike the original ARDEC design, the SEI product is not tapered forward of the operating rod guide, but a straight, offering additional weight and rigidity. Also, the four land and groove SEI CH barrel feature a 1:10 Rate of Twist (ROT), unlike the issue 1:12 ROT, so as to better stabilize the 175 grain M118LR and heavier projectiles.

When SEI converts a USG-owned M-14 rifle to the M14SE configuration, the Crazy Horse barrel is always finished reamed to the M118LR specification. When customers order the CH barrels for gunsmith installation, our barrels are always supplied short chambered so as to facilitate M118LR, M852 or other special 7.62mm NATO/.308 Winchester chamberings. Thus, the gunsmith need only remove .010 from the shoulder for proper headspace. Smith Enterprise, Inc. highly recommends the use of Manson reamers when installing our CH barrels, as that firm has extreme high quality M118LR and M852 reamers in production. Manson reamers are always employed in our M-14/M-14SE/MK14 builds. The SEI CH barrels can be used to complete a USGI-pattern weapon in addition to our SEI M14SE.

For weapons completed at Smith Enterprise and as currently being delivered to the US Armed Forces, our Crazy Horse barrels are deep cryogenic, thermally cycled along with the vast majority of components on these converted weapons. This highly advanced proprietary version of cryogenics has proven to significantly enhance the service life of barrels and other key components. Further, we have found that thermal cycling greatly eases routine maintenance procedures. This process is available at a nominal extra charge, as is shortening of the barrel to the 18" (MK14) configuration.

*SPECS: M14SE Barrel, 4140 chrome Moly Steel, 1:10 ROT, four lands and grooves, right hand twist, 22.0" OAL overall length, RC 35, cold drawn, quenched and stress relieved, supplied in black phosphate finish, weight 2.73 lbs. Cryogenic Deep Thermal Cycling, installation and shortening to 18" available upon request and at extra charge.*

<b>Part Number</b>	<b>Description</b>
<b>9345-M14SE</b>	<b>M14SE Crazy Horse™ Barrel, 22.0" OAL</b>

(Information current 26 Oct 05)