

Barrel and Stock Options

- **The Most Complete Line of Bolt Action Rifles Anywhere**
 - A rifle to suit the needs of any shooter
 - Traditional big-game hunting sporters
 - Ultra-lightweight carrying rifles
 - Long-range big/dangerous game rifles
 - Specialized varmint rifles
 - Custom-grade target rifles
 - Youth rifles
 - The most diverse list of chamberings from any manufacturer
 - Ranging from the intense velocity of the lightweight .17 Remington to the ultra devastating energy of the .458 Win Mag and 'X' points in between
- **Stocks**
 - Synthetic
 - Practical, all-weather performance
 - Most diverse of all available stock materials
 - Inherently stable materials able to withstand wide shifts in outdoor conditions without affecting the rifle- no weather that the hunter can handle, will keep their synthetic stock from performing
 - Taking advantage of the most advanced polymer compounds and most cutting-edge designs. Ex:
 - Hogue overmolding grips
 - Embedded, full-length bedding blocks
 - Colored, no-glare finishes help the hunter hide their rifle
 - *Free-Floating Barrels*
 - Research shows that heavier barrels, seated against rigid bedding, such as the full-length aluminum bedding blocks in the stocks of our Model 700 Sendero SFII and Model 700 VS SF II Varmint Rifles, produce greatest accuracy when allowed to "float" in the stock – meaning the barrel does not contact the stock, and the action is firmly seated against the bedding block.
 - Walnut
 - Classic sporter rifle character
 - American Black Walnut provides the ideal balance between strength, weight and stability of any known hardwood- worldwide
 - Rich, depth and warmth not found in any other stock material
 - Easy to maintain finishes for the hunter who likes to work with their rifles in the off-season, refreshing with a coat of wax
 - Laminate
 - The best of both the hardwood and synthetic worlds

- Look and heft of a fine, hand-crafted hardwood stock, with great weather resistance
- Essentially very high grade, solid-core plywoods- taking advantage of advanced adhesives impregnated in the wood layers to impart all-weather strength and stability
- Can be touched up and maintained like any conventional hardwood stocks
- Takes traditional grip checkering very well
- *Pressure points*
 - Model 700 rifles seated in solid-wood or laminate stocks have “pressure points” near the tip of the forend that help to dampen the vibrations created in the barrel when the rifle is fired
 - Despite current popular perceptions, research shows that sporter weight barrels benefit from an increase in multi-shot accuracy by supplying pressure at a predetermined point along the barrel to help dampen these vibrations and keep the barrel harmonics consistent from shot to shot.
- **Barrels**
 - Carbon vs. Stainless Steel
 - Carbon steel is commonly referred to as “blued steel”, or “chrome-moly”
 - Traditional rifle building material
 - Higher carbon content means that bare steel can rust more easily if exposed to the elements- but also takes protective “bluing” coatings well, finishing to a deep black
 - Stainless steel
 - Reduced carbon steel alloys that are more resistant to corrosion
 - Despite it’s name, all stainless steel can rust if not properly cared for
 - The stainless steels used in firearms manufacture contain higher levels of carbon and do not contain the nickel content in levels that provide other stainless steel products with the corrosion resistance that the steel grade is named for.
 - Rifle stainless steel is very much more corrosion resistant than traditional carbon steels, but still requires care and consideration of the elements and storage to stay looking new.
 - Sporter Weight
 - Classic hunting lines
 - Great balance between rigidity and maneuverability
 - Roll-over cap crowns protect the muzzle from damage in the field
 - Mounted in stocks with forend pressure points to help dampen the barrel vibrations present in lighter barrels

- Optimal twist rates to stabilize the widest range of bullets allow hunters to choose just the right load to suit their individual hunting conditions
- Fluting available on some models for even further weight savings without trading-off any stiffness or accuracy
- *Secondary Sporter Contours*
 - Mountain weight
 - Significant weight savings strike the perfect balance between all-day packability and the pin-point precision the Model 700 has come to be known for
 - Magnum / Light Varmint
 - Provide extra barrel weight and stability for heavy recoiling magnum calibers
 - Provide an ideal balance between light-weight sporter rifles and heavy-weight “bench” rifles for a varmint/predator rifle that can be comfortably carried to where the targets are
- Varmint/Sendero Contours
 - Added rigidity for long-range precision
 - Greater surface area allows for more efficient heat dissipation
 - Specialized target crowns protect the muzzle from damage while minimizing any turbulence as the bullet exits
 - Varmint models cut with slower twist rates tailored to the lighter bullets preferred for long-range, small-game hunting
 - Slower twist rates also minimize stresses on the light-weight jackets used on high-performance varmint bullets
 - Sendero, big-game models maintain the faster twist rates the traditional sporter rifles to stabilize even the largest bullet choices
 - Fluting further adds to the heat-dissipating quality of the heavy barrel for high-volume shooting situations
- **Finishes**
 - Blueing
 - The traditional choice of rifle builders, provides a deep, rich blue-black coating that offers a good level of protection
 - Essentially a light, controlled layer of rust evenly applied to the surface of the steel to control future rust growth
 - Requires a level of attention to maintenance, including oiling and protecting from long-term exposure to moisture and the elements
 - Available in several different sheens
 - Gloss bluing, as found on the high-polished BDL rifles, is achieved by hand polishing the bare steel to a crisp shine before bluing

- Satin bluing, as found on the silky blued CDL rifles, is created by first polishing the steel, then buffing the steel back to an even, consistent satin sheen
- Matte bluing, as found on the SPS and Express Models, is achieved by casting a rough, but consistent finish over the steel with a bead-blasting media before bluing
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- Parkerizing
 - The traditional finish choice for military-application firearms
 - The bare firearm steel is coated with a layer of phosphorus/manganese crystals that provide excellent oil holding properties
 - A great choice for a rifle that will spend extended periods in the field without access to basic cleaning and oiling
 - Provided on most of the Remington Military/LE line of firearms
- Camo-coatings
 - A three-step process that provides high-resolution concealment, to match the hunter's field conditions
 - First stage is a paint base-coat, essentially high-grade exterior epoxy paint provides the background tone of the pattern
 - High-res camo pattern is then applied in an aquos-ink process in which a microns thick layer of ink is applied that imparts the desired camouflage pattern
 - Final product is coated with a durable clear coating with similar properties to the base-coat
 - Available in the most popular patterns requested by hunters
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- Trynyte PVD finish
 - Three-stage corrosion, abrasion control finish system provides never-before seen durability
 - Process is begun using a stainless steel rifle action and barrel providing enhanced corrosion resistance and barrel life over conventional firearm steels
 - The stainless barreled action is then nickel plated, the traditional first-choice for protecting sensitive instruments in marine applications, provides the ultimate in corrosion resistance
 - The third stage in the Trynyte finish is the state-of-the-art PVD abrasion resistant coating
 - **PVD – Particle Vapor Deposition**
 - Coating material, zirconium in this case, is ionized, vaporized and deposited on the rifle in an electrical arc–resulting in a flawless coating on all exterior surfaces of the rifle.
- **FIELD TEST**
- **T or F – Remington has the most diverse line-up of bolt action rifles available?**

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- **What is the benefit of the faster twist rates found in the big-game hunting rifle barrels?**
 - *To stabilize the biggest, heaviest bullets*
- **Why do Varmint/Target barrels come with slower twist rates?**
 - *To match up with lighter and thinner jacketed bullet*
- **What are the two chief benefits of a fluted barrel?**
 - *Weight savings and improved heat dissipation*
- **What critical balance does the Model 700 Mountain Rifle attain?**
 - *Lightest carry weights without sacrificing accuracy*
- **How does a laminate stock achieve the best of both worlds between natural wood and synthetic stocks?**
 - *By keeping the warm rich look of figured wood, with all-weather performance imparted by the lamination process*
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