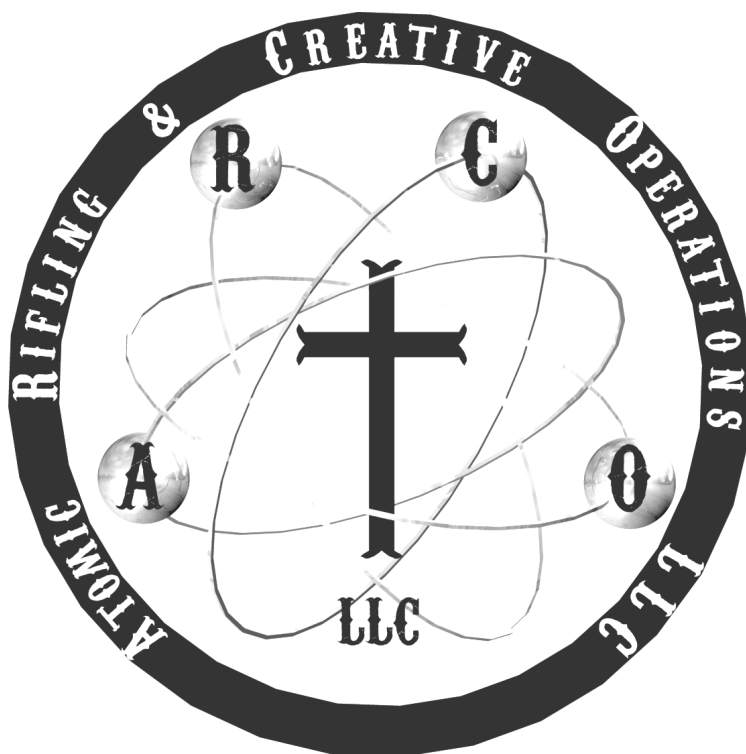# Atomic Rifling & Creative Operations LLC

Product Catalog: June 2020

BETA-PATTERN MUZZLELOADERS

Simply put, the Beta-Pattern muzzleloader is a rifle that brings individual hand-crafted character to the world of 21st-century inline muzzleloaders. In 2018, Atomic Rifling & Creative Operations LLC set out to develop a muzzleloader that would bridge the gap between historic replicas and modern inline muzzleloaders, providing more traditional aesthetics, handling, and individual character than most other inline designs, but with the advantages of in-line percussion cap ignition and a hammer driven by a modern coil spring. This design was initially termed the "Standard-Pattern Muzzleloader." By 2020, extensive testing of numerous prototypes had demonstrated that the design was safe and functional, but the design that was initially developed was not suited to automated mass-production, and funding was not available to set up an automated production line anyway. The solution to both these problems was the "Beta Release" of the "Standard Pattern" muzzleloader, or what has come to be known simply as the Beta-Pattern Muzzleloader. Beta-pattern muzzleloaders are made one at a time using manual machine tools, the same way the prototypes were made for testing.

Beta-Pattern muzzleloaders are sold both as finished rifles and as unfinished kits. Unfinished rifles are sold as 90% kits, which are mechanically functional, but the metal is in the white, the front sight is an un-contoured square blade, and the stock is not included. Finished rifles may be flame-blued or left in the white. They are typically fitted with hardwood stocks, which are individually shaped and sanded by hand.

Barrels are button-rifled with a 1:24 inch twist rate, and feature a generous 60-degree muzzle crown that acts as an integral loading funnel.

A wide variety of barrel lengths are made, ranging from super-short carbines with 12-inch barrels to extra-long rifles with barrels up to 46 inches long.

Rifles feature a fixed front blade sight and a rear aperture sight that is adjustable for windage and elevation.

Typical accuracy with patched roundball loads is about 10 MOA. However, each rifle is unique and tends to yield best performance with a unique load, so it behooves the shooter to spend time trying different loads and getting to know his rifle.

Rifled Tubing

Made by rifling standard DOM tubing, our Rifled Tubing has any number of uses, ranging from exotic fluid-flow applications to inexpensive muzzle-loader barrels. With an outer diameter of $^7/_8$ inch and a wall thickness of $^3/_{16}$ inch, the bore is about .50-caliber. Available in lengths from 6 inches to 46 inches.

Steel Rifling Buttons

Atomic Rifling & Creative Operations LLC originally began manufacturing steel rifling buttons as an inexpensive alternative to tungsten carbide buttons, making tooling for rifling barrels more accessible to hobbyists. Since then, increased availability of imported buttons has arguably saturated this niche market. However, we continue to offer a variety of rifling buttons through our online sales channels. Our rifling buttons are machined from high quality A-2 and D-2 tool steel.

ORDERING INFORMATION

As of this issue, we are phasing out our paper order form. Information about online sales channels is available on our website.

CONTACT INFORMATION

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Phone: (208) 557-9024

Website: www.barnoftheinternet.com

WARRANTY INFORMATION

We take pride in offering high quality products to our customers at affordable prices, but we cannot control the end use of our products. As such, we make no guarantee as to the suitability of our products for any particular purpose, or in regards to their performance in any particular application. If the product you receive differs materially from what you ordered or what was described in our catalog or sale page, please contact us and we will make it right. Beyond this, all products are sold as-is and all sales are final.