



//ENGINEERING&MANUFACTURING

With the SX-1 Modular Tactical Rifle, we set out to rethink and improve upon everything a bolt-action rifle can be. Our Research & Development department were given the brief; utilize the finest and most precise design and manufacturing assets available. The R&D team has at their disposal the most technologically advanced precision engineering tools to produce the finest components for our rifles, thus ensuring all the pivotal rifle components are produced in-house, under their strict supervision. This means that virtually everything has been taken into account before bringing the rifle to the market, including extensive testing for performance, accuracy, reliability, and of course, fit and finish. Our advanced machinery park was specially designed and supplied by the best engineering companies from all over the world. With this technology, Ritter & Stark is now capable of making and producing space-age levels of quality and precision parts. In addition, the SX-1 MTR accuracy level achievements are a result of our patented rifling process. Through extensive research and testing we have patented the ECM (Electrochemical Machining) barrel rifling process.

We insist on the highest levels of material selection, manufacturing processes, and surface treatments in every rifle to ensure your rifle will deliver time and time again. Our Quality Control procedures have taken that expertise to a new level. For the shooter, this means that every rifle we manufacture can achieve 0.5 MOA 3-round groups or better with factory match grade ammunition. There is no other acceptable outcome. All rifles are tested in our indoor firing range at the factory.

//SX-1 MTR SPECIFICATIONS

CALIBER	.308 Win (7.62x51 NATO)	.300 Win Magnum	.338 Lapua Magnum
BARREL LENGTH	623 mm (24.5")	690 mm (27.15")	690 mm (27.15")
OVERALL LENGTH	1202 mm (47.3")	1291 mm (50.8")	1291 mm (50.8")
LENGTH WITH FOLDED STOCK	953 mm (37.5")	1041 mm (41")	1041 mm (41")
OVERALL WIDTH	81 mm (3.2")	81 mm (3.2")	81 mm (3.2")
WIDTH WITH FOLDED STOCK	103 mm (4")	103 mm (4")	103 mm (4")
RIFLING - NO. OF GROOVES	6	6	6
RIFLING - TWIST	280 mm (1:11")	254 mm (1:10")	254 mm (1:10")
TOTAL WEIGHT	5.9 kg (13 lbs)	6.3 kg (13.9 lbs)	6.3 kg (13.9 lbs)
ULTRALIGHT VERSION WEIGHT	5.2 kg (11.5 lbs)	5.5 kg (12.1 lbs)	5.5 kg (12.1 lbs)
MAGAZINE CAPACITY	10* Rounds	5/10 Rounds	5/10 Rounds
STOCK LENGTH ADJUSTMENT	60 mm (2.4")	60 mm (2.4")	60 mm (2.4")
OPTICAL INTERFACE	MIL-STD-1913 Picatinny Rail with 12, 20 or 40 MOA forward inclination.		
ACCESSORIES INTERFACE	Allows the installation of MIL-STD-1913 Picatinny Rails via M-LOK™ or M5-Screws. The octagonal cross section enables the handguard to accept accessories in 45° steps.		
FOLDING STOCK	MIL-STD-1913 Picatinny Rail to attach a monopod.		

* Compatible with AR-10 magazines in the standard configuration.

All measurements are done with empty magazine and without accessories. Manufacturer reserves the right to modify configurations.



RITTER & STARK

THE ART OF THE GUN

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SX-1 MTR

MODULAR TACTICAL RIFLE



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ENGLISH



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Ritter & Stark is situated in the Ferlach region of Carinthia, the very center of firearm manufacturing and production in Austria. We don't take that lightly. Our international team of designers, engineers, and manufacturing experts make certain we follow the long-standing standards, quality and tradition for which our region is world famous. And with our initial offering of the SX-1 MTR, we are presenting our ability and commitment to keep that tradition alive.

//SX-1 MTR

The SX-1 MTR is the result of thousands of hours of R&D, material testing & selection, and engineering prowess overseen by gunsmiths and dedicated professionals from around the world. The SX-1 MTR gives the shooter options and versatility in the field unmatched to any other products.

The SX-1 MTR features a patent-pending barrel changing and caliber conversion system. Extremely simple, the change can be administered in the field within minutes. To make the SX-1 MTR even more relevant, its modular design can easily be configured to use various magazines. Chambered in .308Win, the SX-1 MTR will accept SR-25 or AR-10 magazines. Or, by simply changing the mag well adapter, 10 round AI magazines. The same flexibility extends into larger calibers.

In the world of accuracy-driven rifles, the market is full of competitors. The new benchmark, set by Ritter & Stark, raises the bar. R&S rifles are produced in the ultimate state-of-the-art facility using only the finest machinery, technology and patented innovations. The competition simply cannot match it.

FULLY ADJUSTABLE BUTTSTOCK

The height and angle of the cheek piece, length of pull, and recoil pad are adjustable.

FOLDING STOCK

The buttstock can be mounted so it folds to either the left or right side. The thread in the receiver is compatible with AR-15 type buttstocks.

SCOPE MOUNT ON THE BARREL

MIL-STD 1913 Picatinny Rail mount is based directly on the barrel. This design allows operators to change barrels with preset scopes.

LOCKING INSIDE THE BARREL

To achieve outstanding accuracy, the bolt locks inside the monolithic barrel.

PATENTED CALIBER CONVERSION SYSTEM

Barrel change or caliber conversion can be performed by the operator in field conditions within minutes. The receiver is machined from an aluminum billet, designed to provide exact positioning and an increased contact area with the barrel.

HANDGUARD

Octagonal cross section with the option to mount accessory rails via M5-Screws and/or M-LOK™. The rifle is delivered with a top mounted full length MIL-STD 1913 Picatinny Rail.

WHEN IT COMES TO ACCURACY, DURABILITY, MODULARITY, AND DEPENDABILITY, THE SX-1 MTR IS SIMPLY THE BEST RIFLE OF ITS KIND ON THE MARKET, IN THE WORLD TODAY.

AVAILABLE IN .308WIN, .300 WIN MAGNUM, AND .338 LAPUA MAGNUM

UNIQUE BARREL PRODUCTION

The rifling is processed in a CNC-controlled electrochemical machine. This avoids the transmission of thermal effects and mechanical stress to the material. Furthermore, this process allows us to produce barrels with unique uniformity and within tolerance zones that were not possible in a serial production before.

BUTTSTOCK PICATINNY RAIL

Built-in picatinny rail on stock for easy addition of a monopod.

3-POSITION SAFETY

FIRING position: The rifle is ready to fire.
SAFE position: The firing pin is cocked, the sear is disengaged. The bolt can be operated.
LOCKED position: The firing pin is cocked, the sear is disengaged. The bolt can not be operated.

PISTOL GRIP

Compatible with AR-15 pistol grips.

TRIGGER

Different adjustable triggers are available depending on the customer's preferences. The SX-1 MTR is compatible with triggers according to Remington® 700 standard.

MAGAZINES

Detachable box magazines.

INTERCHANGEABLE MAGAZINE ADAPTER

The magazine adapter has been designed specifically to be easily changed to fit different single or double stack magazines. It can also be custom made for most available magazines.

SURFACE TREATMENT OF STEEL PARTS

Special treatment of the steel parts increases surface hardness and enhances core strength. Steel parts ensure improved wear and corrosion resistance.

BARRELS

The design allows the Ritter&Stark match-grade barrels to float freely. Barrels in all 3 calibers are available in fluted or bull-barrel configuration.

MUZZLE BRAKE

High efficiency R&S muzzle brake fitted to M18x1 muzzle thread. Other muzzle threads available upon request.