

# ***Compromise! Is Failure.***

## **Underground Skunkworks SPECTER-Bolt Action Battle Rifle Description and Specifications**

The Underground Skunkworks SPECTER-Bolt Action Battle Rifle (BABR) is a meticulously manufactured shooting platform that's designed specifically for the dynamic engagement (25 to 800 meters) of targets within the Law Enforcement and Military missions. The SPECTER-BABR is designed to function within the Military Operations in Urban Terrain (MOUT) environments and offers the utmost in reliability when deployed to locations where it is likely to encounter debris, ice, water and other particulate contaminants.

All of the components used to manufacture the SPECTER-BABR are 100% Made in the USA and the majority of the components are designed and manufactured by Underground Skunkworks. The descriptive specifications of the SPECTER-BABR are:

### **ACTION**

The rifle action used as the platform for the SPECTER-BABR is the Underground Skunkworks Model 911 "Military." The Model 911 "Military" offers greater rigidity and is designed to be fed from the Accuracy International Chassis System (AI) or AW magazine. The bolt to receiver fit is optimized for full functionality and reliability in the harshest of environments. The receiver and 20MOA MilStd 1913 Rail are manufactured from Stainless Steel and the one piece bolt is manufactured from a solid billet of 4340 Chromoly Steel. The bolt handle is threaded to accept the Underground Skunkworks oversize bolt knob. The Model 911 "Military" features a M16-style extractor and plunger ejector. The 20MOA MilStd Rail has a built in (flip-up) Backup Iron Sight (BUIS) that is quickly deployable in the event of primary optic failure. The Underground Skunkworks firing pin is guided within the bolt body and the Precision Ground Recoil lug (manufactured by Underground Skunkworks) is double pinned to the receiver face. The proprietary recoil lug is ground and concentric to within 50 millionths of an inch. The MilStd 1913 rail is secured by five 8-40 screws; recoil shear forces are eliminated by the use of two locating dowel pins between the rail and receiver. The enhanced primary extraction occurs 35% sooner and accommodates faster and stronger cycling of the bolt during rapid or sustained fire situations.

### **BARREL**

The 19" barrel used on the SPECTER-BABR is manufactured by Broughton Rifle Barrels/North manufacturing. The material used for the barrel is 416 Stainless Steel. The barrel blanks are precision drilled and reamed prior to being button rifled. After rifling, the barrels undergo a precision lapping process and are stress relieved. The .308 Win chamber is cut using the Underground Skunkworks Match Reamer. The reamer design optimizes all loadings of 168 and 175 grain Match Ammunition as well as the 165 grain Bonded Bear-Claw (Glass) loading. Accuracy of the SPECTER-BABR is guaranteed to be 3/8 MOA or better with Match quality ammunition. Barrel life of the Broughton Barrel is increased by way of a heat treating process that gives the bore a hardness of 45 on the Rockwell "C" scale. The rifling in the Broughton barrel is comprised of five grooves and "canted" land technology. The barrel will be configured with an Advanced Armament Flash Hider that will accommodate the Advanced Armament 762SD Suppressor. An Underground Skunkworks Front Flip-Up Sight will be mounted as part of the BUIS.

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The BUIS is designed and regulated specifically for the 7.62 NATO cartridge.

## **TRIGGER**

The trigger used in the SPECTER-BABR is manufactured by Timney. All Model 911 rifle actions accept Remington 700 style triggers, but the Timney has been recognized as the most reliable in all types of environments. The trigger is custom tuned to three pounds.

## **DETACHABLE BOTTOM METAL (DBM) and PILLARS**

The DBM is manufactured by Underground Skunkworks and is designed to accept the Accuracy International AI **and** AW magazines. The magazine release is the Oberndorf style and cannot be inadvertently activated and is designed for ambidextrous use and gloved hands. The DBM is manufactured from 7075-T651 aircraft grade Aluminum alloy and the DBM incorporates a unique magazine pre-load component that prevents magazine rattle during movement. This feature greatly reduces the possibility of drawing attention to the position of the rifleman. Future versions of the DBM will incorporate additional patented technology that is exclusive to the Underground Skunkworks DBM.

The Pillars used to interface the DBM and Receiver are custom designed and manufactured by Underground Skunkworks. They feature a “no twist” design that allows the pillar to stay true to the radius on the receiver during the bedding process while maintaining minimal contact with the receiver. This method greatly reduces the influence from pillar to receiver and allows the barreled action to be truly married to the bedding which significantly enhances accuracy. The Underground Skunkworks Pillars are manufactured from 303 Stainless Steel to avoid oxidation and promote better adhesion during the bedding process.

## **STOCK**

The stock used for the SPECTER-BABR was designed by Underground Skunkworks and manufactured by Manners Composite Stocks in Kansas City, MO. The MCS-SB features an LOP spacer system and is manufactured from a 90/10 composite of Carbon Fiber and Fiberglass and offers the utmost in strength and rigidity while maintaining a very light weight. The stock is configured with two flush cups on the left side of the stock (for RH shooters), one flush cup on the bottom rear. It will accept the ATLAS Picatinny Rail BIPOD Mount (ABM) on the front bottom of the forend. The ABM has an integral flush cup for affixing a sling. The stock features two hard mounts on either side of the forend for affixing MilStd 1913 Rails to accommodate all types of Laser Devices. Underground Skunkworks is currently developing an additional MilStd 1913 Rail that will hard mount to the forend and bridge the barrel for the deployment of an AN/PVS22 Night Vision Device. The MCS-SB is custom bedded with Devcon Titanium and finished in a Catalyzed Polyurethane Enamel in a color of the customer’s choice.

Underground Skunkworks is currently developing the SPECTER-MS. The SPECTER-MS is a modular stock system manufactured from a combination of 7075-T651 and Glass Filled Nylon Composites. The SPECTER-MS will accept the AI magazine and features a mission configurable forend tube and folding butt-stock. The folding butt-stock has an adjustable cheek piece and length of pull. The SPECTER-MS can also be configured with numerous different grips to accommodate specific angles and hand sizes.

## **DAY OPTIC**

The Day Optic used on the SPECTER-BABR is the Schmidt & Bender 1-8 X 24 PM Short Dot (PMSD). The PMSD features a 30mm Main Tube, the Reticle is in the First Focal Plane and the FlashDot Illumination is

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in the Second Focal Plane. This unique capability allows the size of the dot to remain the same regardless of magnification setting so the dot doesn't overpower the target. There's a "CC" Mode that allows the optic to be used as a Red Dot Sight, further catering to the intended use of the SPECTER-BABR as a dynamic use rifle system. The Elevation, Windage and Illumination Turrets feature locking turret knobs and there's an optional Bullet Drop Compensator (BDC) available for the PMSD. The Day Optic Mount is one piece and features a quick release lever to remove the Day Optic from the MilStd Rail. The mount returns to zero when the Day Optic is replaced.

## **FIT and FINISH**

The fit and finish of the SPECTER-BABR is guaranteed to be of the utmost quality. There will be no sharp edges, gaps or weak points that will be detrimental to functionality, reliability or overall lifespan of the system. The manufacturing practices of Underground Skunkworks are documented and strict Machining Tolerances and Quality Assurance measures are adhered to throughout the build process. The metal finish applied to all barreled actions, screws, pins and other miscellaneous metallic parts is Teflon based Dry Film Lubricant. The finish surpasses all MilSpec guidelines for corrosion and wear. The bolt of the SPECTER-BABR undergoes a Salt Bath Nitride Process to further enhance the operational capability of the system in harsh environments.

All Underground Skunkworks Precision Rifle Systems are guaranteed for life. Should any failure occur due to normal use (where neglect is not present), Underground Skunkworks will repair the rifle free of charge. Normal barrel wear is not included in this guarantee. The re-barreling of any rifle is subject to the current shop labor and material/component rates.

Should there be any questions or concerns pertaining to any of the data presented herein, please contact Underground Skunkworks at [email@undergroundsw.com](mailto:email@undergroundsw.com) or 406-250-7163.

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