

Compromise! Is Failure.

Underground Skunkworks PERSEUS Precision Rifle Package Description and Specifications

The Underground Skunkworks PERSEUS Precision Rifle Package is a meticulously manufactured shooting platform that is designed specifically for the surgical engagement of targets within the Law Enforcement mission. The PERSEUS is designed to function within harsh 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 PERSEUS are 100% Made in the USA and the majority of the components are designed and manufactured by Underground Skunkworks. The descriptive specifications of the PERSEUS are:

ACTION

The rifle action used as the platform for the PERSEUS is the Underground Skunkworks Model 911 "Compatible." The Model 911 offers greater rigidity and is designed to be fed from the Accuracy International AI or AW magazines, a feature that is unique to the Underground Skunkworks line of precision rifle actions. 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 extraction is accomplished by a M16-style extractor with plunger ejector; ejection occurs at the 3 o'clock position to avoid oversize windage knobs. 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 six 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 22" or 24" barrel used on the PERSEUS 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 PERSEUS 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.

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TRIGGER

The trigger used in the PERSEUS 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

Unless otherwise specified, the stock used for the PERSEUS is the Manners MCS-T4A with LOP spacer system and Adjustable Cheekpiece (as noted by the “A” in the model number). The stock 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 is custom bedded with Devcon Titanium and finished in a Catalyzed Polyurethane Enamel in a color of the customer’s choice.

The PERSEUS can easily be manufactured using the McMillan A3-5 or A5 stocks configured the same as the Manners MCS-T4A.

EMBEDDED FRONT RAIL

The Manners MCS-T4A or McMillan (A3-5 or A5) stock is outfitted with the Badger Ordnance Embedded Front Rail (EFR). The EFR is installed true to the 20MOA MilStd 1913 rail. The EFR accepts all modern clip-on style Night Vision devices and does not influence initial zero of the day optic. The EFR also accommodates all types of Laser devices such as illuminators, pointers and designators.

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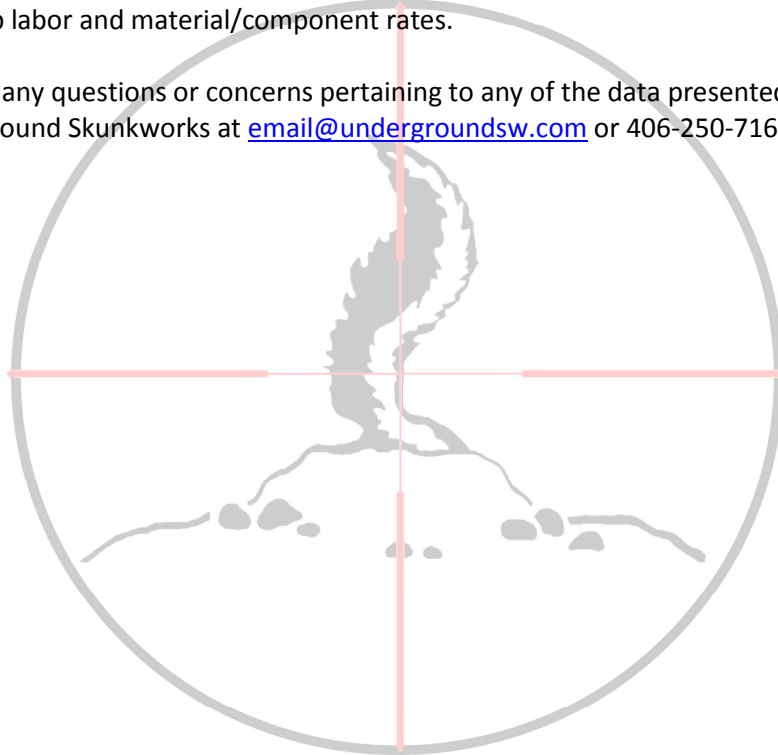
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FIT and FINISH

The fit and finish of the PERSEUS 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.

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 or 406-250-7163.



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