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#### NBAR SPECIFICATIONS

**PURPOSE:** In the initial conceptual discussion of the current "New Bolt Action Rifle" design, the sole design criteria, other than Customer Safety, was understood to be "low manufacturing cost". Results produced with this goal in mind are as follows:

##### Barrel/Receiver Construction:

The barrel and receiver are to be formed from one ordnance grade steel blank. The contour of the firearm will be standardized to allow for the chambering of any production caliber, non-magnum or magnum. The overall length of this unit will be 28", which if viewed as a current assembly will contain an 8" receiver and a 20" barrel as measured from the bolt face. The firearm will also be formed as to allow for the use as a right hand or left hand firearm by replacing only the bolt. The "receiver" will be constructed as a straight cylinder with the appropriate cuts to meet the above mentioned specifications. This will allow the mounting of a scope on a uniform surface.

*100 mcr  
smaller than  
200.*

##### Locking Lug:

To achieve the above mentioned barrel/receiver design, the locking mechanism to which the bolt will engage, is to be constructed as a separate item. Upon assembly, the locking lug is to be pressed, pinned and brazed into place. The locking lug is also to be constructed of ordnance grade steel. The lug will contain two entities that will engage the bolt to produce the proper locking mechanism at a lock rotation of 70 degrees, as well as providing a recoil bracket for interaction of the barrel/receiver with the stock.

Bolt Assembly:

The bolt assembly will consist of a bolt, bolt bushing, extractor, ejector and a bolt handle. The bolt is be constructed from a single piece of ordinance grade steel. The bolt will also be standardized, with the exception of left and right handed, to allow for the use with any caliber by assembling the proper extractor. To reduce the weight of the bolt, the bolt inside diameter will be bored out and a bushing inserted in the rear of the bolt. The bushing will contain the counter bore and threads for the firing pin assembly, the cocking cam and cocking notch, and an assembly slot for the bolt handle. The bolt bushing will be produced with a cocking cam designed for a lock rotation of 70 degrees. The extractor will be of a Mauser (claw) style, but upon case failure will act as an integral part of the bolt shroud.

Firing Pin Assembly:

The M/700 firing pin assembly will be add used except for the bolt plug and firing pin head. The bolt plug will require cosmetic changes to the outside diameter. Material will be added to the firing pin head to ensure proper interaction with the sear.

**BARREL:**

Barrel Length: 20"  
Muzzle Diameter: .600"  
Breech Diameter: 1.25"  
Barrel Contour: Breech Contour same as M/700 Magnum  
Barrel Length and Muzzle Diameter Altered  
Drilled and Tapped for standard M/700 sights  
Rifling Contour: ECM process, 5R configuration  
Calibers: (First Year)  
Short Action: 243, 7mm-08 & 308  
Long Action: .25-06, 270, 280, 30-06  
Magnum: 7mm Rem Mag.

**RECEIVER:**

Receiver Length: 8.0"  
Receiver Diameter: 1.25"  
Receiver Construction: Double ejection ports and bolt handle  
cuts.  
Drilled and tapped scope holes.

**BOLT:**

Bolt Length: 6.240"  
Bolt Diameter: .900"  
Bolt Contour: Shrouded bolt face, standard for all calibers,  
bolt stop slot length altered for short or  
long action, Mauser (claw) style extractor

**STOCK:**

Stock Material: Synthetic *or wood.*  
Stock Contour: Beaver Tail Fore-End, Classic Stock, - 70°  
Universal Design Left or Right Handed

**OTHER:**

Detachable Magazine Box (add used from M/700)  
Assembly Weight approx. 7 lbs.