

Design Constraints

- Barrel Assembly
 - Barrel - $\sigma_{\text{yield}} = 95 \text{ ksi (min)}$ $\sigma_{\text{ultimate}} = 115 \text{ ksi}$
 - Receiver - $\sigma_{\text{yield}} = 165 \text{ ksi}$ $\sigma_{\text{ultimate}} = 180 \text{ ksi}$
- Bolt Assembly
- Magazine
- Stock
- Trigger Assembly

Remington Arms Co. Inc. - Confidential

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