

Testing from Durum

Trigger Strength - force req'd to break trigger
at same time what else deforms
- ear of trigger and test

- dry cycle life of sear surf

- dry cycle loaded rotor to determine
wear life

Pierced primer escaping gas test

Dry Cycle Mag Latch

New Bolt Action Rifle Design Goals

Accuracy - see attached sheet

Center of Impact, Point of Aim, Range

Trigger Pull: 3 lbs min.

5 lbs max.

Smoothness: trigger pull to be
crisp and free of any hitches
or snags~~sch. Reset engagement on over haul~~

Safety On - Off Force

3 lbs. min.

6 lbs. max.

Jar Off Test

Drop Test

Rotation Test

See Attached SAAMI Draft

Weight (with scope mounts, no scope):

Length:

Lock time:

Headspace

Firing Pin: Indent
Protection

Endurance Life: Major Parts:
Minor Parts:

Pressure Vent (Blanked primer).
Ultimate Strength

Dry Cycle Testing: Extractor
Magazine Latch

Malfunction Rate

- first 10 0%
- first 100 1%
- life of gun .5%

Trick Tests - hang safety between cycles

Foreseeable Failures: bolt thread failure on
double charge load