
From: Joy, Robert L.
Sent: Friday, July 13, 2007 3:26 PM
To: Ronkainen, Jim
Subject: RE: NIB XMP Varmint Gun Trigger Pull Forces

Interesting. Low Sigma and the safety cycling seems to make a significant difference, but I'm at a loss as to why.

Bob

*Robert L. Joy
Supervisor - Test & Measurements Lab*

From: Ronkainen, Jim
Sent: Friday, July 13, 2007 11:59 AM
To: Perniciaro, Stephen; Shoemaker, Christopher D.; Diliberto, Joseph; Ronkainen, Jim; Doolittle, James F.; Joy, Robert L.; Balio, John R.
Cc: Diaz, Danny
Subject: NIB XMP Varmint Gun Trigger Pull Forces

I have 10 M/700 varmint rifles with untouched-from-the-factory XMP trigger assemblies as test vehicles in a Design Acceptance Test (DAT) being run here in E'town. Prior to removing the trigger assemblies from the actions to conduct my test, I measured the trigger pull force on the 10 guns (see attached) using our Dvorak TriggerScan tester and tabulated the data. Two methods were used when measuring the trigger pull force. The first method did not cycle the safety between trigger pulls while the second method cycled the safety between each trigger pull. Cycling the safety between trigger pulls seems to reduce the dispersion of the measured trigger pull force from pull-to-pull. The trigger pull force results vary from 3.9 lbs to 5.7 lbs for the average of 10 trigger pulls across the 10 rifles using the two methods.

Jim Ronkainen
Staff Engineer
Remington Arms Co. Inc.
R&D Technical Center
315 W. Ring Road
Elizabethtown, KY 42701
(270) 769-7613 (phone)
(270) 737-9576 (fax)
jim.ronkainen@remington.com
visit us at www.remington.com