

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

Remington
SUPER

PETERS
SUPER

Distribution: C. B. Workman
C. E. Ritchie
J. W. Brooks
P. Nasypany

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 821122

M/700 - MEDIUM LENGTH STAMPED NO-BIND FOLLOWER
PRELIMINARY EVALUATION

Prepared by: J. Baquetta / F. Suprv

Date Prepared: 6/29/82

Proofread and Cleared By:

J.H. Hennings, / R.E. Nightingale,
Foreman-Test Lab / Foreman-Measurement Lab

R.E. Nightingale
Signature

7-8-82
Date

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

C.E. Ritchie
Signature

7/8/82
Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 821122
REPORT TITLE: Medium Length Stamped No Bind Follower
Preliminary Evaluation
MODEL(S): 700
GAUGE OR CALIBER: 22-250, 308, 243, 6MM
DATE: 5/15/82
WORK ORDER NO.: C-5013-000
PART NAME: Stamped No Bind Follower
DESIGNER/ENGINEER: P. Nasypany

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED 31
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: Selected Preliminary
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: _____

NO. OF ROUNDS PER GUN: 96

TOTAL ROUNDS FIRED IN TEST: 3000

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE X

June 29, 1982

TO: J. H. Hennings

FROM: F. Supry / J. Baggetta

REPORT TITLE: M/700 - MEDIUM LENGTH STAMPED NO BIND FOLLOWER
PRELIMINARY EVALUATION

ABSTRACT

On 4-22-82, a request was received from P. Nasypany to function test the medium action No-Bind Followers in the M/700 ADL 243 Win., 308 Win., 6mm Rem., and 22-250 Rem. calibers. The No-Bind Followers are slated to be used in the M/700 ADL Re-style model to be warehoused in October '82. The test consisted of:

- o Jack Function - feeding and unloading live rounds, with rifle supported in a shooting jack.
- o Field Function - the actual firing of the rifles in an "in the field" situation

SCOPE OF TEST

To test the medium action No-Bind Followers, checking for follower related malfunctions.

TEST RESULTS

The test results were favorable for both phases of the function tests.

JACK FUNCTION - (Remington ammunition cycled at varied speeds.)

Medium Followers - 19 samples were cycled a total of 570 times.
No follower related malfunctions occurred.

- 12 controls were cycled a total of 360 times
No follower related malfunctions occurred.

FIELD FUNCTION - (Remington and competitive ammunition)

Medium Followers - 18 samples were functioned a total of 1800 rounds.
3 follower related malfunctions occurred.

Controls - 12 controls were functioned a total of 1215 rounds
No follower related malfunctions occurred.

REPORT TEXT

Data sheet No. 1, (Appendix A), contains the individual breakdown for both the Jack Function and Field Function tests.

A. Jack Function

No malfunctions occurred on any of the rifles being tested.

B. Field Function

Three follower - related malfunctions occurred, out of 1800 rounds functioned through the rifles assembled with No-Bind Followers; an overall malfunction rate of 0.17%.

- 1) 243 caliber - No malfunctions
- 2) 308 caliber - 1 stem low malfunction occurred with Winchester 150 gr. silver tip ammunition during the slow cycle.
- 3) 6mm caliber - 2 stem low malfunctions occurred with Winchester 80 gr. PSP ammunition, 1 during the medium cycle and 1 during the fast cycle.
- 4) 22-250 caliber - No malfunctions

No malfunctions occurred on any of the control rifles tested.

TEST PROCEDURE

The No-Bind Followers were assembled into corresponding M/700 ADL actions.

A. Jack Function (R&D Test Area)

A rifle was placed in a shooting jack, then loaded. Fifteen rounds of the heaviest and lightest Remington bullet weight available were cycled through the rifle; five each, at slow, medium, and fast speeds without firing the rifle. All feeding and/or follower related malfunctions were recorded. The procedure was repeated until all the No-Bind followers and control followers were tested.

B. Field Function (Lion Fish & Game Club)

Five rifles of each caliber, assembled with No-Bind Followers and three control rifles of each caliber were tested. The Field Function test consisted of ten rounds of each Remington and competitive ammunition available per rifle. All malfunctions were recorded.

C. M/700 ADL Rifles used

<u>22-250</u>		<u>308</u>	
B 6300262	B 6290460	B6354920	B6356983
B6289450	B6290385	B6357748	B6357212
B6296503	B6296367	B6321246	B6357709
B6290796	B6299811	B6354876	

<u>243</u>		<u>6MM</u>	
B6326188	B6325619	B6291134	B6298367
B6325914	B6323723	B6323791	B6290561
B6325938	B6321464	B6290916	B6289030
B6324688	B6325306	B6323423	B6322915

APPENDIX "A"