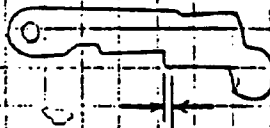


REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT  COMPUTATION SHEET

M600 Powder Metal Sear
CHROME PLATED Powder Metal Sear
DATA FOR DROP TESTING  AAH: DATE 6-9-66

SEAR NUMBER	TOTAL NUMBER OF DRY CYCLES	SEAR RADIUS AT CONNECTOR EDGE	SEAR COMPONENT WEIGHT & HARDNESS	AVE. TRIL. PHLL AT BEGINNING AND END OF TEST
1	0	.0034	9.3900 gr. 48 RC SCALE	5.77 - 5.60
2	0	.0039	9.3705 gr. 51 RC SCALE	6.25 - 5.30
3	0	.0042	9.3655 gr. 53 RC SCALE	5.45 - 5.70
4	0	.0039	9.4176 gr. 51.5 RC SCALE	5.00 - 4.85
5	0	.004	9.4423 gr. 53 RC SCALE	5.50 - 5.05
6	0	.0005 ⁺	9.5337 gr. 44.5 RC SCALE	5.50 - 5.50
7	0	.000 ⁺	9.5182 gr. 46.5 RC SCALE	5.90 - 5.70
8	0	.0012	9.4955 gr. 45.0 RC SCALE	5.25 - 5.50



SEAR RADIUS AT CONNECTOR EDGE MEASURED
ON THE OPTICAL COMPARATOR.

WAIST HIGH. IS TAKEN AS .45 INCHES.

2

12/10/75

[illegible]

VI JAR OFF TEST

A. DROP GUN WAIST HIGH ON SOLID WOOD SURFACE WITH SAFETY OFF

1. BUTT DOWN
2. MUZZLE DOWN
3. TOP SIDE DOWN
4. BOTTOM SIDE DOWN

B. TRIGGER SHALL BE TRIED AFTER EACH DROP TO DETERMINE WHETHER THE SAFETY HAS RELEASED ANY MECHANISM WHICH MAY ALLOW FIRING.

C. THREE DROPS PER POSITION.

"WAIST HIGH" IS TAKEN AS 45 INCHES.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION m/600 New P.M. max.
 CALIBER or GAUGE 308 21" ~~14"~~ (LATEST - SHARP)
 DATE 6-3-66 TEST P.M. N. : Drop Test (re-test) TESTER J. Hennings. FACE NO.

Barrels - 2 m/600 308's were used placing different gears in these two barrels only (3 gears)

Test - I - Trigger pulls & firing pin indents (on sep. sheets)

Test - II - No malfunctions noticed

Test - III - (butt down) gear # 2 had a total of 3 drops in which the safety was jarred to the "ON" pos.

Test - IV - No malfunctions noticed

Test - V - (muzzle down) gears # 1, 2, 3 had a total of 7 drops in which the safety was jarred to the "OFF" pos.

Test - VI - (butt down) - gear # 1 - on all three drops the safety was jarred to the "ON" pos.

(muzzle down) - gear # 3: on second drop gun fired.

top-side down - gear # 2 on first drop gun fired.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION *M/600 New P.M. sears.*

CALIBER OF GAUGE *308* (*LARGE RAP. SEAR*)

DATE *6-2-66* TEST *P.M. sear Drop Test*

TESTER

PAGE NO.

J. Hennings.

Barrels # 1167 & 20341 were used placing different sears in these two barrels only.

Test - I- Trigger pulls & firing pin indents (on sep. sheets)

Test - II- No malfunctions noticed

Test III- (muzzle down) - sears # 1,2 had a total of 5 drops in which safety jarred to "ON" position

Test - IV- No malfunctions noticed

Test - V- (butt down) - sears # 3,4,5 had a total of 13 drops in which safety jarred to "OFF" position

Test - VI- (muzzle down) - sears # 2,3,4 had a total of 9 drops in which safety was jarred to "ON" position
(top side down) - sear # 2 - on third drop bolt jarred open.

(bottom side down) - sear # 4 on second drop the jar fired the firing pin.

NOTE! ON BOTH ACTIONS- PIN HOLE WAS TIGHT CAUSING SEAR TO BIND!

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION	m/600	atl. near drop test
CALIBER OF GAUGE	308	PRESENT PRODUCTION (2 piece)
DATE	TEST	TESTER PAGE NO.

6-13-66 66/1 " 1167 + 20344 308 cal. m/600
were dropped from various pos. with
atl. near in fire-control

" 1167 all tests ok except Test V. muzzle-down
waist high the safe jarred to "off" pos. on all 3 dr.

" 20344 Tests I-IV OK

Test I - (butt down
waist high) → safe jarred to "off" pos. on all 3 dr.

Test II → (muzzle-down
waist high) on 1st drop gun fired

Test III → (bottom-side down
waist high) - on 3rd drop gun fired

Test IV → (butt down
waist high) → safe jarred to "on" pos. on 3rd dr.