

M 700 PM SEAR TEST
DROP TEST SEAR DATA.

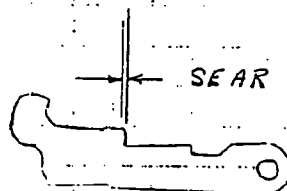
COMPILED BY A A H.

SAMPLE NUMBER ONE

SEAR NUMBER	TOTAL NUMBER OF DRY CYCLES	SEAR RADIUS AT CONNELLTOR EDGE	SEAR COMPONENT WEIGHT & HARDNESS	Avg. TRIG. Pull @ BEGINNING AND END OF TEST
153959	30,000	.0045	9.3685 GRAMS 38.5 RC SCALE	5.10 - 5.10
139298	30,000	.0035	9.4080 gr 52 RC SCALE	5.20 - 5.15
139413	30,000	.0050	9.4200 gr 51.5 RC SCALE	3.90 - 3.80
139555	30,000	.0068	9.3880 52 RC SCALE	4.90 - 4.55
139312	30,000	.0029	9.4140 gr 51 RC SCALE	NOT TESTED
139457	30,000	.0053	9.4310 gr 54.5 RC SCALE	4.60 - 4.75

SAMPLE NUMBER TWO

139298	00	.0005	9.5332 38.5 RC SCALE	5.55* - 4.95
139413	00	.0011	9.5000 45.0 RC SCALE	4.85 - 4.75



SEAR RADIUS AT CONNELLTOR
MEASURED ON
OPTICAL COMPARATOR

WAIST HEIGHT WAS TAKEN AT 45 INCHES.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 7/10 YCO

POWDER METAL SEAR WITH ROCKET

CALIBER or GAUGE .243

DATE 6-1-66 TEST m/yco sear drop test

TESTER

J. Manning

Serials: ¹139298, ²13959, ³13955, ⁴139454, ⁵139413 - were used
with powder metal sears

Test - I - Trigger pulls 4 Firing pin indents - (separate sheets)

Test - II - (top side down) ^{# 139454} on second drop rear sight broke

Test - III - (bottom side down) ^{# 139454} on first & second drops bolt jammed open

Test - IV - no malfunctions noticed

Test - V - (top side down) ^{# 139454} on second drop rear sight came off
(bottom side down) ^{# 139298} on second drop stock started to crack around trigger plate

Test - VI - (muzzle down) sears # 1, 2, 3, had a total of 7 drops in which safety was jammed to "ON" position.

(top side down) sears # 1, 3, 4, 5 - had a total of 5 drops in which bolt was jammed open. (^{# 139298} on third drop safety jammed to "ON" position.)

(bottom side down) sears - # 1, 2, 3, 4 - had a total of 5 drops in which bolt jammed open (^{# 139555} on first drop stock broke just behind trigger guard)

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 700 P.M. sear (LATEST PROD w/ SHARP RND)

CALIBER or GAUGE .243

DATE 6-1-66 TEST P.M. sear drop test TESTER J. Hennings PAGE NO.

Barrels " 139298 & 139413 were used with new P.M. sears.

Test I - Trigger pulls & firing pin indents (separate shoots)

Test II - (batt down) - " 139298 - on first drop rear sight broke off

Test III - (muzzle down) - " 139298 - on second drop bolt jarred open.

Test IV - no malfunctions noticed.

Test V - no malfunctions noticed.

Test VI - (batt down) both guns - a total of 4 drops in which safety was jarred open " 139298 on third drop bolt jarred open

NOTE! ON BOTH ACTIONS PIN HOLD LOCKS TIGHT CAUSING SEAR TO BIND.