

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT COMPUTATION SHEET

Powder Metal Sear Test
 SUBJECT: MANUAL TRIGGER PULL @ BEGINNING AND END
 OF EACH 1000 CYCLES (M. 5) ANALYST: AAN DATE: 9/6/65

SERIES OF	WHEN	STD. - FC.	STD. - FC.	PMC - FC.	PMC - FC.	PMI - FC.	PMI - FC.
1000 DRY	TRIG. PULL	#225	#959	#457	#312	#555	#413
CYCLES	WAS	TRIG. PULL	TRIG. PULL	TRIG. PULL	TRIG. PULL	TRIG. PULL	TRIG. PULL
	MINSHEED	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX	MIN - MAX
1 ST	BEGINNING	5.00-5.25	5.75-6.50	4.75-5.00	4.25-4.75	6.00-7.25	5.00-5.75
	END	5.50-6.00	5.75-6.75	4.50-5.00	4.25-5.00	6.25-7.75	5.75-6.75
2 ND	BEGINNING	5.50-5.75	5.75-6.00	4.75-5.00	4.00-4.75	4.75-5.75	5.25-5.75
	END	6.00-7.25	5.75-5.50	4.75-5.00	4.25-5.00	6.50-7.00	7.00-8.00
3 RD	BEGINNING	5.25-5.75	5.50-5.50	4.50-4.75	4.50-4.75	6.50-7.75	6.00-6.75
	END	5.00-6.25	6.75-6.50	4.75-5.25	4.25-4.50	6.50-9.25	5.75-8.00
4 TH	BEGINNING	6.00-6.50	6.00-6.75	4.50-5.00	4.00-4.50	7.25-9.25	6.25-8.00
	END	6.00-6.75	6.00-6.75	5.00-5.75	4.25-5.00	7.00-10.00	8.25-9.00
5 TH	BEGINNING	5.75-7.25	5.50-8.25	4.75-4.75	4.00-4.25	6.50-7.50	8.25-10.00
	END	5.75-6.75	5.50-7.75	4.75-5.00	4.25-5.00	5.75-6.50	8.50-10.00
6 TH	BEGINNING	6.50-7.25	6.00-7.00	4.50-5.00	4.00-4.50	5.75-7.25	8.00-8.00
	END	5.50-7.75	5.75-6.00	4.50-5.00	4.00-4.50	NOT RUN	NOT RUN
7 TH	BEGINNING	6.00-6.50	5.00-5.50	4.25-5.00	4.25-4.75	5.25-8.00	8.00-9.00
	END	5.75-6.75	5.25-6.25	4.75-5.25	4.25-4.75	NOT RUN	NOT RUN
8 TH	BEGINNING	6.00-6.50	5.50-6.00	4.75-5.25	4.25-4.75	NOT RUN	NOT RUN
	END	5.75-6.50	6.00-6.50	5.00-5.25	4.75-5.25	NOT RUN	NOT RUN
9 TH	BEGINNING	6.25-6.75	6.00-6.75	5.00-5.00	4.25-5.00	NOT RUN	NOT RUN
	END	5.75-6.50	5.50-6.75	5.00-5.50	4.50-5.25	NOT RUN	NOT RUN
10 TH	BEGINNING	5.75-6.50	5.75-6.25	4.75-5.25	4.50-5.00	NOT RUN	NOT RUN
	END	5.50-6.50	5.75-6.50	5.25-5.75	4.25-5.00	NOT RUN	NOT RUN

DRY CYCLE	END OF	END OF	END OF	END OF	END OF	END OF	END OF	END OF	END OF
NO.	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000	50,000
CYCLES	CYCLES	CYCLES	CYCLES	CYCLES	CYCLES	CYCLES	CYCLES	CYCLES	CYCLES
39 3/2 SN.	5.00	5.00	6.00	5.25	5.25	5.50	5.50	5.50	5.50
312 F.C.	4.75	4.75	5.75	5.25	5.75	5.75	5.75	5.25	5.25
ME SEAR	5.25	5.25	5.75	5.75	5.75	5.75	5.25	5.50	5.50
	5.00	5.00	6.00	6.00	5.25	5.25	5.50	5.50	5.50
AVE.	5.05	5.10	5.05	5.60	5.55	5.70	5.30	5.40	5.40
MAX.	5.25	5.50	6.00	6.00	5.75	5.75	5.50	5.50	5.50
MIN.	4.75	4.75	5.75	5.25	5.25	5.50	5.00	5.25	5.25
EV.	0.50	0.75	0.25	0.75	0.50	0.25	0.50	0.25	0.25
53 7/8 SN.	6.50	5.75	7.00	7.00	6.00	6.00	6.00	6.75	6.75
957 F.C.	7.25	5.75	6.50	7.50	6.50	7.25	5.50	6.25	6.25
76 SEAR	7.25	6.00	6.25	7.25	7.75	6.25	6.00	6.50	6.50
	6.00	6.25	6.50	7.00	6.75	6.00	5.75	6.50	6.50
AVE.	6.70	5.15	6.55	7.25	6.85	6.35	5.95	6.50	6.50
MAX.	7.25	6.25	7.00	7.50	7.75	7.25	6.50	6.75	6.75
MIN.	6.00	5.75	6.25	7.00	6.00	6.00	5.50	6.25	6.25
EV.	1.25	0.60	0.75	0.50	1.75	1.25	1.00	0.50	0.50
139 451 SN.	5.50	5.75	6.00	5.50	6.25	6.25	5.75	6.00	6.00
457 F.C.	5.50	5.75	6.00	5.75	6.00	6.25	5.75	5.25	5.25
ME SEAR	5.50	5.75	6.00	5.75	6.50	6.00	6.25	6.25	6.25
	5.50	5.25	6.00	5.50	6.25	6.25	6.00	6.50	6.50
AVE.	5.55	5.75	6.05	5.70	6.25	6.15	6.00	6.10	6.10
MAX.	5.75	5.75	6.25	6.00	6.50	6.25	6.25	6.50	6.50
MIN.	5.50	5.75	6.00	5.50	6.00	6.00	5.75	5.75	5.75
EV.	0.25	0.00	0.25	0.50	0.50	0.25	0.50	0.75	0.75

ENGINEERING DEPARTMENT COMPUTATION. I-117

ENGINEERING DEPARTMENT COMPUTATION 1-11

POWDER METAL - SEAR TEST

SUBJECT: M700-243 CAL. MANUAL TRIGGER PULL AND INDENTURE

AP BEGINS WITH 'AND END IS 1/1000 CYCLES. LRT8, ...

64	15/225	15/259	100/13957	64/1393	64/139412	100/139565	64/139298	64/139209
PC	72	70	PC	72	70	PC	72	70
1.0.0.0	PC	72	70	PC	72	70	PC	72
5.00	7.50	5.00	4.75	5.25	6.00	5.50	5.25	5.25
5.25	6.50	5.00	4.25	5.00	6.75	5.25	5.25	5.00
5.25	5.75	5.00	4.25	5.00	6.00	5.00	5.25	5.25
5.00	6.00	4.75	4.25	5.25	7.25	6.50	5.00	5.00
5.25	6.50	4.75	4.25	5.25	7.25	5.00	5.25	5.25
5.15	6.45	4.90	4.35	5.15	6.65	5.45	5.15	5.15
0.175	0.14	0.115	0.155	0.175	0.185	0.165	0.15	0.15
0.18	0.14	0.17	0.155	0.175	0.185	0.175	0.16	0.16
0.175	0.15	0.175	0.15	0.17	0.17	0.170	0.165	0.165
0.17	0.135	0.175	0.16	0.18	0.185	0.17	0.165	0.165
0.175	0.145	0.18	0.16	0.17	0.18	0.18	0.16	0.16
0.175	0.142	0.179	0.156	0.174	0.185	0.172	0.16	0.16
AVE. INDEPENDENT								
5.50	6.75	4.75	4.75	6.25	6.75	7.75	5.00	5.00
5.75	6.25	4.75	4.25	6.50	6.25	8.50	5.00	5.00
5.50	6.75	4.50	4.25	5.75	7.25	8.50	5.00	5.00
6.00	5.75	5.00	5.00	6.00	7.50	7.75	5.50	5.50
5.50	6.00	4.75	4.25	5.75	7.75	7.75	5.50	5.50
5.65	6.30	4.75	4.50	6.05	7.10	8.05	5.20	5.20
0.18	0.145	0.185	0.175	0.17	0.19	0.175	0.16	0.16
0.18	0.155	0.18	0.16	0.18	0.185	0.17	0.165	0.165
0.185	0.15	0.17	0.16	0.18	0.185	0.175	0.17	0.17
0.17	0.14	0.135	0.15	0.175	0.19	0.17	0.165	0.165
AVE. PAID								

WILSON ARMS COMPANY, INC.

FINANCIAL DEPARTMENT

COMPUTATION 3-257

5-25-64

POWDER METAL SEAR TEST-M700

SUBJECT: MANUAL TRIGGER PULL AND INDENT AT BEGINNING

A.M.D. END OF 2nd 1000 DRY CYCLES E.V.D. 4RT3

3

[illegible]

5-267 1-

[illegible]

M100 POWDER METAL SEAR TEST

MANUAL TRIGGER PULL AND INDENT AT BEGINNING

AND END OF 5000 BARRELS

154125	64N	139457	64N	139312	64N	139413	64N	139555	64N	139309	64N
412	PM-FC	225	ST-D-FC	754	ST-D-FC	457	PM-FC	312	PM-FC	298	PM-FC
10.00	6.50	6.75	6.75	8.25	8.25	4.75	4.75	4.25	4.25	NOT RUN	NOT RUN
8.25	7.00	5.75	5.75	7.25	7.25	4.75	4.75	4.25	4.25	NOT RUN	NOT RUN
9.25	6.75	6.50	6.50	9.25	9.25	4.75	4.75	4.00	4.00	NOT RUN	NOT RUN
9.75	6.50	6.75	6.75	5.75	5.75	4.75	4.75	4.25	4.25	NOT RUN	NOT RUN
9.50	7.50	7.25	7.25	5.50	5.50	4.75	4.75	4.25	4.25	NOT RUN	NOT RUN
9.35	6.85	6.50	6.50	6.80	6.80	4.75	4.75	4.20	4.20	NOT RUN	NOT RUN
.020	.015	.018	.018	.018	.018	.017	.017	.018	.018	NOT RUN	NOT RUN
.020	.016	.019	.019	.017	.017	.0175	.0175	.019	.019	NOT RUN	NOT RUN
.020	.016	.020	.020	.017	.017	.0175	.0175	.019	.019	NOT RUN	NOT RUN
.0205	.016	.018	.018	.017	.017	.0175	.0175	.020	.020	NOT RUN	NOT RUN
.020	.016	.0195	.0195	.0185	.0185	.0175	.0175	.020	.020	NOT RUN	NOT RUN
.0201	.0158	.0192	.0192	.0175	.0175	.0176	.0176	.0191	.0191	NOT RUN	NOT RUN
10.30	6.00	5.75	5.75	5.50	5.50	5.00	5.00	5.50	5.50	NOT RUN	NOT RUN
9.00	6.00	6.75	6.75	7.75	7.75	4.75	4.75	7.75	7.75	NOT RUN	NOT RUN
8.50	6.00	6.50	6.50	6.25	6.25	5.00	5.00	6.25	6.25	NOT RUN	NOT RUN
8.75	5.75	6.25	6.25	6.25	6.25	4.75	4.75	6.25	6.25	NOT RUN	NOT RUN
9.25	6.50	6.75	6.75	5.75	5.75	5.00	5.00	5.75	5.75	NOT RUN	NOT RUN
9.20	6.05	6.40	6.40	6.30	6.30	4.90	4.90	6.30	6.30	NOT RUN	NOT RUN
.019	.017	.0195	.0195	.018	.018	.019	.019	.018	.018	NOT RUN	NOT RUN
.020	.017	.020	.020	.018	.018	.0175	.0175	.018	.018	NOT RUN	NOT RUN
.0205	.0165	.0115	.0115	.018	.018	.018	.018	.015	.015	NOT RUN	NOT RUN
.021	.017	.0185	.0185	.0185	.0185	.019	.019	.0155	.0155	NOT RUN	NOT RUN
.020	.017	.020	.020	.018	.018	.0175	.0175	.018	.018	NOT RUN	NOT RUN

INT. TRIGGER PULL

INT. INDENT

TRIGGER PULL

REMINGTON-UMC ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

DATE

TEST: M700 - POWDER METAL SEAR TEST

MANUAL TRIGGER PULL AND INDENT. AT BEGINNING

AND END OF 6TH - 1000 DRYCYCLES. SAMPLES URT 2

154 225	153 959	139 457	137 312	133 143	129 103	125 555	121 413	117 271	113 129	109 609
312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.	312 FC - P.M.C.
4.50	4.75	5.75	8.00	7.00	2.25	2.25	2.25	2.25	2.25	2.25
4.25	5.00	6.00	8.50	6.75	6.75	6.75	6.75	6.75	6.75	6.75
4.25	4.75	7.25	8.75	6.75	6.50	6.50	6.50	6.50	6.50	6.50
4.25	4.75	6.50	8.75	6.00	6.50	6.50	6.50	6.50	6.50	6.50
4.00	4.50	5.75	8.25	6.50	6.75	6.75	6.75	6.75	6.75	6.75
4.25	4.75	6.25	8.45	6.60	6.75	6.75	6.75	6.75	6.75	6.75
.019	.0155	.019	.0175	.017	BROKEN FIRE					
.020	.0165	.018	.0185	.017	P.I.N. TIP					
.0195	.0165	.0185	.018	.018						
.021	.016	.019	.0175	.0185						
.021	.016	.019	.017	.017						
.0201	.0162	.0188	.0177	.0175						
4.50	5.00			5.50	5.75	5.75	5.75	5.75	5.75	5.75
4.25	5.00			5.50	5.50	5.50	5.50	5.50	5.50	5.50
4.50	5.00			5.25	6.25	6.25	6.25	6.25	6.25	6.25
4.50	4.50			6.00	7.75	7.75	7.75	7.75	7.75	7.75
4.00	5.00			5.50	5.75	5.75	5.75	5.75	5.75	5.75
4.35	4.90			5.55	6.20	6.20	6.20	6.20	6.20	6.20
.021	.0165			.019	BROKEN FIRE					
.020	.018			.019	P.I.N. TIP					
.021	.0175			.019						
.021	.017			.019						
.0205	.016			.0185						

INT. TRIG. PULL

INT. INDENT

TRIG. TRIG. PULL

NO. 1000-1000-1000-1000 COMPUTATION SHEET

TEST OFF M700 POWDER METAL SEAR TEST
SUCCESS - MANUAL TRIGGER PULL AND INDENT AT BEGINNING AND
END OF 7TH - 1000 DRY CYCLES - URTZ

[illegible]

9-250-22

AND END OF ... 8th -1000 DAY CYCLE. ... URT 8

Topic: Topic: Public

REMINGTON ARMS COMPANY
ENGINEERING DEPARTMENT

COMPUTATION SHEET

4-15-1918

M700 - Powder Metal SEAR TEST
SUBJECT: MANUAL TRIGGER. Pull AND INDENT AT BEGINNING
AND END OF 9TH - 1000 PRY CYCLES. URT &

154 225	153 959	152 457	151 312	150 413	149 553	148 278	147 601	146 601	145 601
225	959	457	312	413	553	278	601	601	601
PRY	PRY	PRY	PRY	PRY	PRY	PRY	PRY	PRY	PRY
6.50	6.75	5.00	4.50	4.13	5.53	2.78	6.01	6.01	6.01
6.25	6.50	5.00	5.00	4.13	5.53	2.78	6.01	6.01	6.01
6.50	6.25	5.00	4.75	4.13	5.53	2.78	6.01	6.01	6.01
6.75	6.00	5.00	4.25	4.13	5.53	2.78	6.01	6.01	6.01
6.50	6.00	5.00	5.00	4.13	5.53	2.78	6.01	6.01	6.01
6.50	6.30	5.00	4.70	4.13	5.53	2.78	6.01	6.01	6.01
10.20	10.16	10.20	10.18	10.18	10.18	10.18	10.18	10.18	10.18
10.21	10.17	10.19	10.185	10.18	10.18	10.18	10.18	10.18	10.18
10.205	10.15	10.20	10.18	10.18	10.18	10.18	10.18	10.18	10.18
10.20	10.165	10.20	10.18	10.18	10.18	10.18	10.18	10.18	10.18
10.20	10.16	10.185	10.19	10.19	10.185	10.185	10.185	10.185	10.185
10.203	10.161	10.197	10.183	10.183	10.183	10.183	10.183	10.183	10.183
6.00	6.75	5.50	5.25	4.50	4.50	4.50	4.50	4.50	4.50
5.75	6.75	5.25	4.75	4.50	4.50	4.50	4.50	4.50	4.50
6.00	6.00	5.00	4.50	4.50	4.50	4.50	4.50	4.50	4.50
6.00	5.50	5.25	4.50	4.50	4.50	4.50	4.50	4.50	4.50
6.50	6.50	5.00	4.50	4.50	4.50	4.50	4.50	4.50	4.50
6.05	6.30	5.20	4.70	4.50	4.50	4.50	4.50	4.50	4.50
10.20	10.17	10.20	10.18	10.18	10.18	10.18	10.18	10.18	10.18
10.21	10.17	10.21	10.19	10.19	10.19	10.19	10.19	10.19	10.19
10.21	10.16	10.21	10.185	10.185	10.185	10.185	10.185	10.185	10.185
10.20	10.17	10.20	10.19	10.19	10.19	10.19	10.19	10.19	10.19
10.21	10.16	10.21	10.18	10.18	10.18	10.18	10.18	10.18	10.18

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