

Form 8055a

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO. 1

TITLE OF PROJ.

Powder metal Seals VS Prod.

PROJ NO

SUBJECT

m-700 - 2436L

WORKS

COMPUTER

DATE 4-2-1965

139457	W/P.M. SEAR	FP INDENT	Ave of 10	TRIG FULL	Ave of 10
	0 cycles	.0193"	✓ Ave of 10	Reading	4.95
	at 100 "	.0192"	✓ " " 10	"	5.37
	" 200 "	.0189"	✓ " " 10	"	5.57
	" 300 "	.0183"	✓ Ave of 5	Reading	5.40
	" 400 "	.0189"	✓ " " 5	"	5.70
Life time test	500 "	.0187"	✓ " " 5	"	5.94
	1000 "	.0196"	✓ " " 5	"	5.25
	1500 "	.0196"	✓ " " 5	"	5.20
	2000 "	.0187"	✓ " " 5	"	4.75
	2500 "	.0185"	✓ " " 5	"	5.15
	3000 "	.0193"	✓ " " 5	"	5.55
139312	0 cycles	.019"	✓ Ave of 10	Reading	5.47
	100 "	.0189"	✓ " " 10	"	5.85
	200 "	.0187"	✓ " " 10	"	5.57
	300 "	.0181"	✓ " " 5	"	5.25
	400 "	.0182"	✓ " " 5	"	5.25
	500 "	.0175"	✓ " " 5	"	4.90
	1000 "	.0177"	✓ " " 5	"	5.55
	1500 "	.0184"	✓ " " 5	"	5.50
	2000 "	.0187"	✓ " " 5	"	5.70
	2500 "	.0179"	✓ " " 5	"	6.55
	3000 "	.0182"	✓ " " 5	"	6.50
39413	0 cycles	.019"	✓ Ave of 10	Reading	5.70
	100 "	.0192"	✓ " " 10	"	6.17
	200 "	.0191"	✓ " " 10	"	5.37
	300 "	.0195"	✓ " " 5	"	5.60
	400 "	.0186"	✓ " " 5	"	5.35
	500 "	.0192"	✓ " " 5	"	5.95
	1000 "	.0186"	✓ " " 5	"	6.35
	1500 "	.0180"	✓ " " 5	"	6.15
	2000 "	.0185"	✓ " " 5	"	6.30
	2500 "	.0179"	✓ " " 5	"	6.40
	3000 "	.0178"	✓ " " 5	"	7.70

Form 825345

REINGTON ARMS COMPANY

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO

2

TITLE OF PROJ. *Reinforced Metal Seals vs. Prod Seals*

PROJ. NO

SUBJECT *M-700 - 243 Cal*

WORKS

COMPUTER

DATE *4-5*

1915

39609	<i>W/ Prod Seal</i>	<i>EP INDEPEND</i>	<i>TRIG Pull</i>	<i>and</i>
	0 Cycle	.0184" ✓	4.10 Reading	4.65
	100 "	.0182" ✓	" "	6.20
	200 "	.0186" ✓	" "	5.17
	300 "	.0183" ✓	" "	5.25
	400 "	.0186" ✓	" "	5.50
	<i>Locktomb</i> 500 "	.0175" ✓	" "	5.20
	1,000 "	.0186" ✓	" "	6.40
	1,500 "	.0189" ✓	" "	5.40
	2,000 "	.0185" ✓	" "	6.20
	2,500 "	.0181" ✓	" "	5.40
	3,000 "	.0180" ✓	" "	5.25
39555	0 Cycle	.0195" ✓	4.10 Reading	5.10
	100 "	.0194" ✓	" "	5.25
	200 "	.0191" ✓	" "	5.50
	300 "	.0199" ✓	" "	5.45
	400 "	.0194" ✓	" "	6.05
	500 "	.0198" ✓	" "	5.60
	1,000 "	.0199" ✓	" "	6.25
	1,500 "	.0200" ✓	" "	5.75
	2,000 "	.0193" ✓	" "	5.60
	2,500 "	.0205" ✓	" "	5.95
	3,000 "	.0193" ✓	" "	5.70
39298	0 Cycle	.019" ✓	4.10 Reading	5.30
	100 "	.0188" ✓	" "	5.90
	200 "	.0191" ✓	" "	5.62
	300 "	.0188" ✓	" "	5.40
	400 "	.0186" ✓	" "	6.10
	500 "	.0189" ✓	" "	6.40
	1,000 "	.0192" ✓	" "	6.40
	1,500 "	.0186" ✓	" "	6.95
	2,000 "	.0188" ✓	" "	7.25
	2,500 "	.0201" ✓	" "	7.75
	3,000 "	.0193" ✓	" "	9.50

RECEIVED
 DIVISION OF DEFENSE
 Powder Metal Seals vs Prod Part
 M-700 - 243 Cal

W/P.M. Seals	F.P. INDENT	TRIGGER PULL
CYCLES	AVERAGE OF 5 READINGS	
39457 4,000	.0187" ✓	5.35
5,000 Locking pins	.0195" ✓	6.05
6,000	.0189"	6.25
7,000	.0188"	8.10
8,000	.0181"	7.00
9,000	.0188"	8.55
10,000	.0185"	6.30
39372 4,000	.0182" ✓	8.10
5,000	.0176" ✓	8.14
6,000	.0178"	7.90
7,000	.0175"	12.30
8,000	.0172"	10.00
9,000	.0169"	9.75
10,000	.0180"	11.40
39413 4,000	.0190" ✓	6.90
5,000	.0185" ✓	7.65
6,000	.0188"	8.15
7,000	.0183"	8.95
8,000	.0180"	10.15
9,000	.0177"	10.95
10,000	.0188"	6.85

REMINGTON ARMS CO. OF ILL.			
ENGINEERING DEPARTMENT			
SHEET 4			
TITLE OF PROJ: Powder Metal Lean vs Prod Parts			
SPEC: M-700 - .243 Cal			
WORKS			
W/Prod PART F.P. INDENT TRIGGER PULL			
	CYCLES	AVERAGE OF 5 READINGS	
39609	4,000	.0182"	5.10
	5,000 Locking time	.0175"	4.75
	6,000	.0188"	4.50
	7,000	.0184"	4.25
	8,000	.0179"	4.20
	9,000	.0186"	4.10
	10,000	.0186"	4.00
39585	4,000	.0192"	5.35
	5,000	.0197"	5.40
	6,000	.0198"	5.85
	7,000	.0199"	5.80
	8,000	.0185"	5.10
	9,000	.0189"	5.30
	10,000	.0186"	5.20
39298	4,000	.0181"	9.25
	5,000	.0188"	8.55
	6,000	.0190"	7.65
	7,000	.0193"	6.80
	8,000	.0185"	6.90
	9,000	.0187"	8.50
	10,000	.0188"	7.50
0189			

ENGINEERING DEPARTMENT COMPILED SHEET

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W. F. S.

TRIGGER PNL,

○ 4000 5000 6000 7000 8000 9000 10000

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BARBER - PRESALE R 0102902 R2503890