

C5611419

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00089037** Serial: C6611419 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/6/2004 7:41:43 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **DEF DIST DEPOT ANNISTON AL** **DEF DIST DEPOT ANNISTON AL**

Address 2: **PO Box** **PO Box**

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201** Country: **US** State: **AL** Zip Code: **36201** Country: **US**

FFL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Good**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope W/CASE	1
A065	Deployment Kit	1
A057	Front and Rear Sight Base	1

Repair Search Refresh Close

maglev 12/6/2004 8:53 AM TCAPS NUM JNS SOPL

start 2 Arms Serv 2 2 2 2

Serial Number: **C6611419**

Model: **M24 SWS**



RE00089037

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611419.___0
FILE DATE AND TIME: 01/06/2005 07:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	-0.068
The Average Point of Impact of the Five Target Set:	0.077
The Average Mean Radius of the Five Target Set:	0.646
The Distance from POA to Centroid Target #1:	0.049
The Distance from Centroid Target #2 to Centroid Target #1:	0.079
The Distance from Centroid Target #3 to Centroid Target #1:	0.143
The Distance from Centroid Target #4 to Centroid Target #1:	0.071
The Distance from Centroid Target #5 to Centroid Target #1:	0.057

SERIAL NUMBER: C6611419. __0

TARGET NUMBER: 1

FILE DATE: 01/06/2005

FILE TIME: 07:16

POINT#	X	Y
1:	0.972	0.476
2:	-0.100	1.032
3:	0.005	0.568
4:	-0.504	0.522
5:	0.364	0.058
6:	-0.029	0.132
7:	0.047	-0.285
8:	-0.483	-0.646
9:	0.295	-0.736
10:	-0.589	-1.615

X CENTROID: -0.002

Y CENTROID: -0.049

POA TO CENTROID: 0.049

HORZ SPREAD: 1.561

VERT SPREAD: 2.647

GROUP SPREAD: 2.692

MIN RADIUS: 0.183

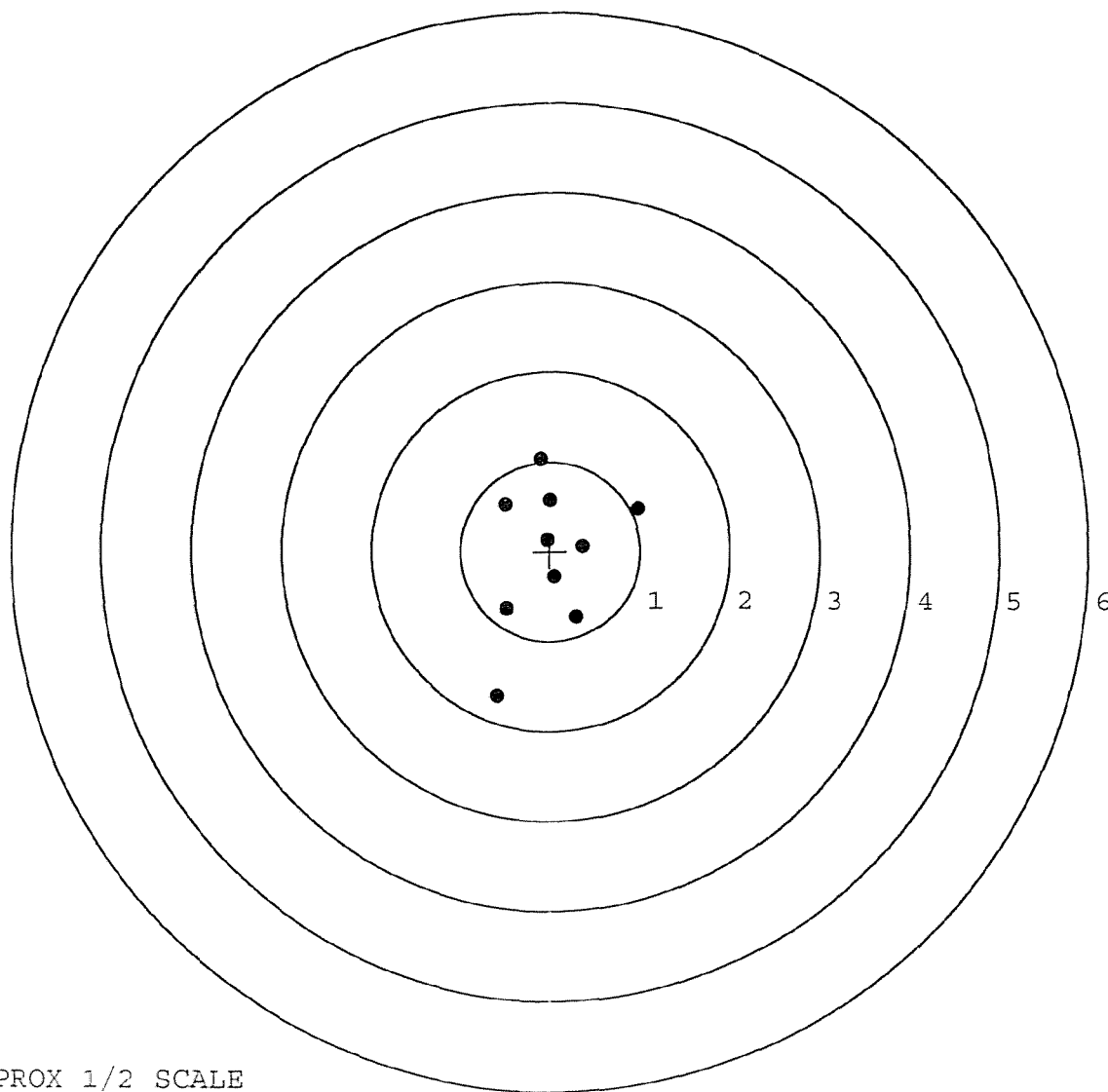
MAX RADIUS: 1.672

MEAN RADIUS: 0.756

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611419. __ 0

TARGET NUMBER: 2

FILE DATE: 01/06/2005

FILE TIME: 07:16

POINT#	X	Y
1:	1.018	0.265
2:	0.495	-0.965
3:	0.223	-0.269
4:	-0.010	-0.340
5:	-0.330	-0.389
6:	-0.099	-0.691
7:	-0.747	0.379
8:	-0.031	0.361
9:	-0.381	0.776
10:	-0.066	1.160

X CENTROID: 0.007

Y CENTROID: 0.029

POA TO CENTROID: 0.030

HORZ SPREAD: 1.765

VERT SPREAD: 2.125

GROUP SPREAD: 2.198

MIN RADIUS: 0.334

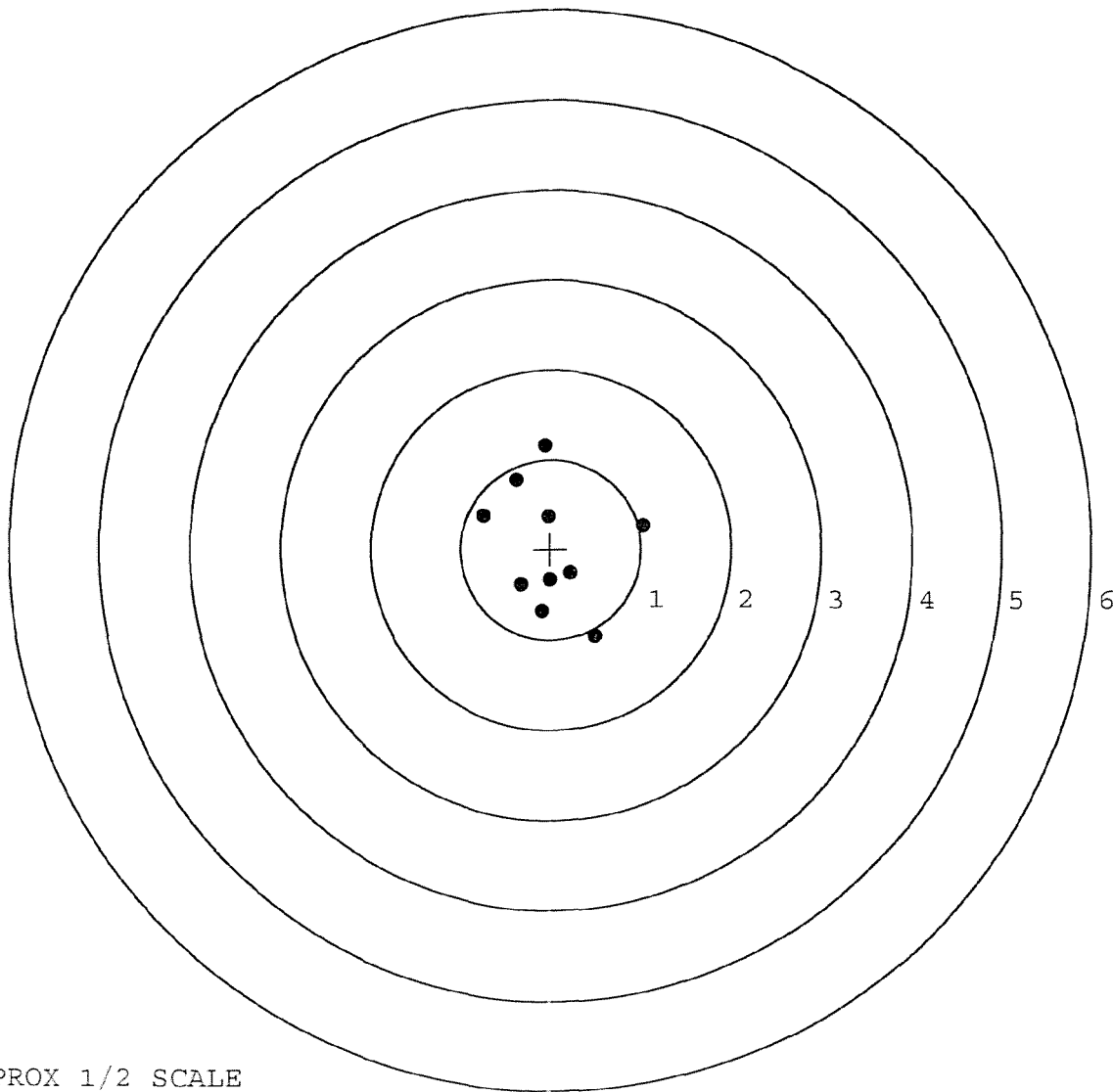
MAX RADIUS: 1.134

MEAN RADIUS: 0.729

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611419. __ 0

TARGET NUMBER: 3

FILE DATE: 01/06/2005

FILE TIME: 07:16

POINT#	X	Y
1:	0.531	-0.247
2:	0.148	-1.165
3:	-0.018	-0.421
4:	-0.458	-0.443
5:	0.128	0.167
6:	0.142	0.628
7:	-0.357	0.693
8:	-0.583	0.481
9:	-0.218	-0.279
10:	-0.627	-0.524

X CENTROID: -0.131

Y CENTROID: -0.111

POA TO CENTROID: 0.172

HORZ SPREAD: 1.158

VERT SPREAD: 1.858

GROUP SPREAD: 1.925

MIN RADIUS: 0.189

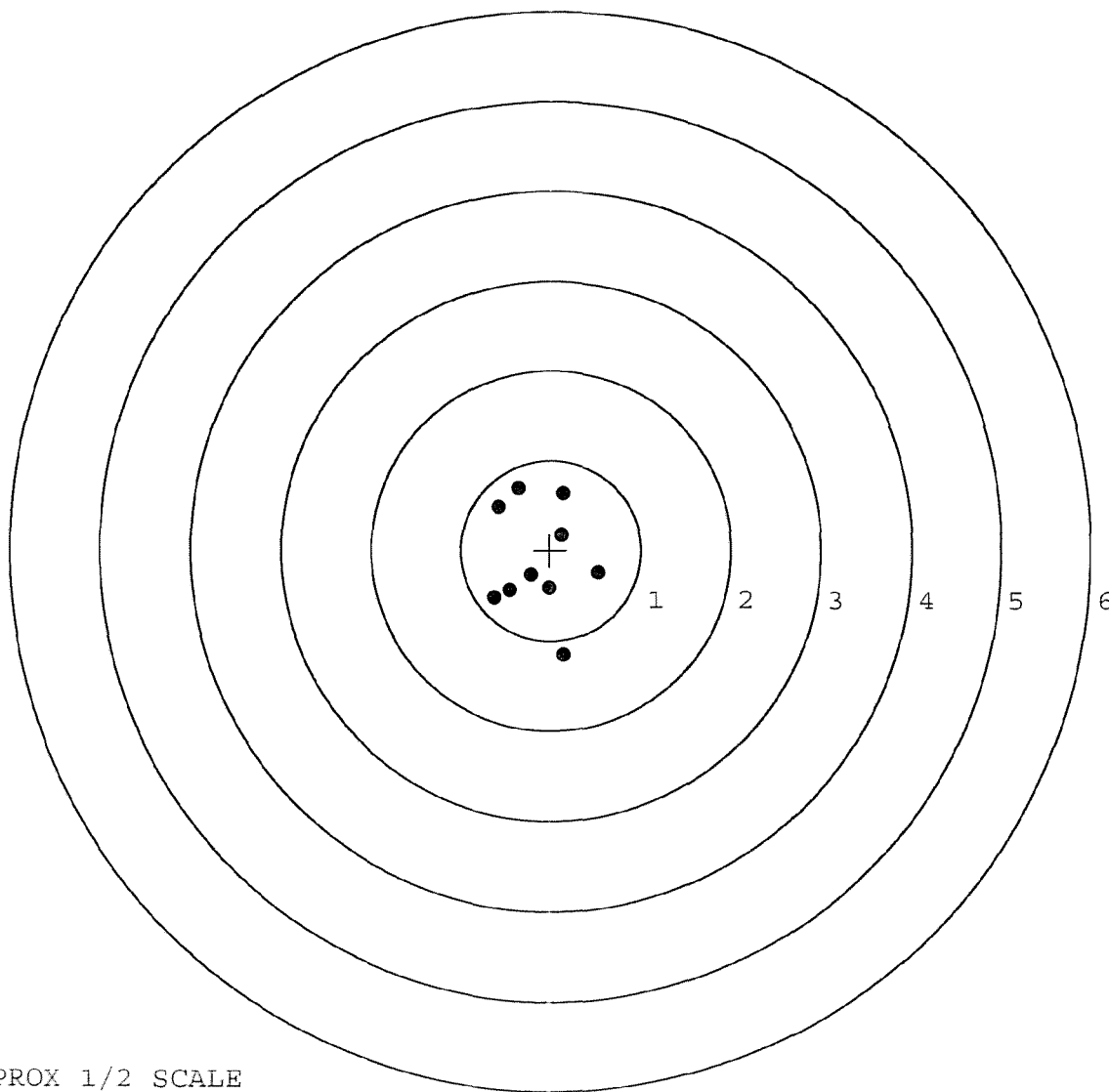
MAX RADIUS: 1.090

MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611419. __0

TARGET NUMBER: 4

FILE DATE: 01/06/2005

FILE TIME: 07:16

POINT#	X	Y
1:	-0.032	-1.068
2:	-0.497	-0.750
3:	-0.511	-0.038
4:	-0.203	0.586
5:	0.143	0.482
6:	0.509	0.066
7:	0.386	-0.419
8:	-0.124	0.116
9:	0.016	-0.017
10:	0.245	-0.156

X CENTROID: -0.007

Y CENTROID: -0.120

POA TO CENTROID: 0.120

HORZ SPREAD: 1.020

VERT SPREAD: 1.654

GROUP SPREAD: 1.663

MIN RADIUS: 0.105

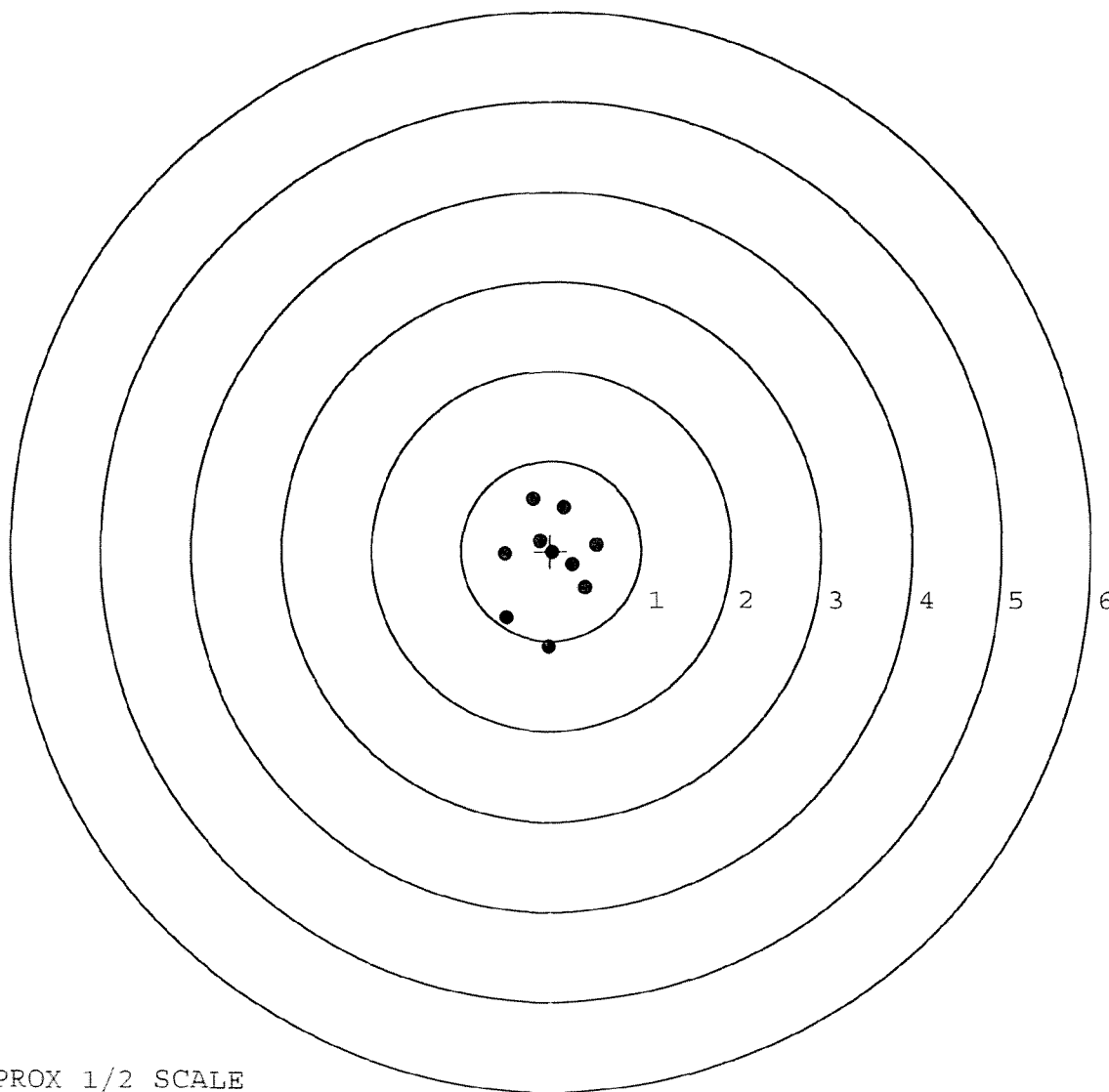
MAX RADIUS: 0.949

MEAN RADIUS: 0.528

IN 1 IN DIAMETER: 4

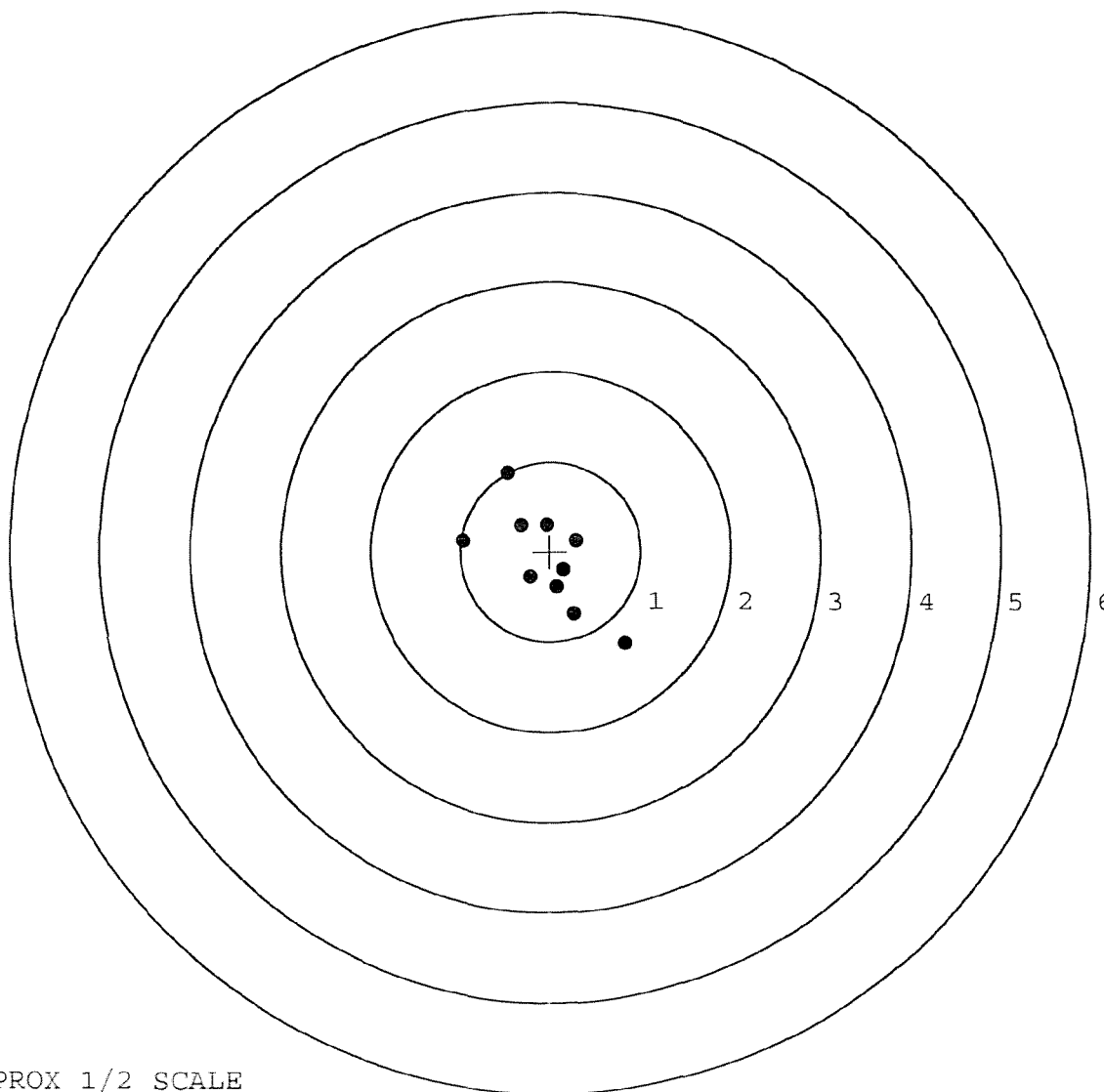
IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611419. __ 0	POINT#	X	Y
TARGET NUMBER: 5	1:	0.828	-1.023
FILE DATE: 01/06/2005	2:	0.261	-0.695
FILE TIME: 07:16	3:	-0.477	0.882
	4:	-0.968	0.124
X CENTROID: -0.044	5:	-0.332	0.294
Y CENTROID: -0.088	6:	-0.044	0.296
POA TO CENTROID: 0.098	7:	0.288	0.124
HORZ SPREAD: 1.796	8:	0.148	-0.203
VERT SPREAD: 1.905	9:	-0.221	-0.282
GROUP SPREAD: 2.309	10:	0.075	-0.397
MIN RADIUS: 0.224			
MAX RADIUS: 1.279			
MEAN RADIUS: 0.604			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

R & E NUMBER	890317		
SERIAL NUMBER	C 6611419		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-7-04	AC
560 A	RE-BARREL	12-16-04	RTZ
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12/27/04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-5-05	RTZ
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-6-05	TRW
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	ADA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 **M2400076552**

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611419

DATE 7-16-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.65	2.72		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.69	2.84	2.88		
PULL #3	2.71	2.67	2.32		
PULL #4	2.58	2.68	2.74		
PULL #5	2.68	2.80	2.73		
TOTAL	1316	1364	1339		
AVG.	2.63	2.72	2.67		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.13		
PULL #2	3.15	3.18		
PULL #3	3.29	3.12		
PULL #4	3.19	3.23		
PULL #5	2.94	3.10		
TOTAL	1577	15.76		
AVG.	3.15	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.22		4.10
PULL #2	4.16	4.18		4.17
PULL #3	4.14	4.03		4.13
PULL #4	4.00	4.04		4.00
PULL #5	4.17	4.11		4.04
TOTAL	20.75	20.58		20.44
AVG.	4.15	4.11		4.08

BARBER - M24 0076515

OP. NAME

READINGS

DATE

INIT

op. #

 625
cont.

F) Safety On Force

5

5

5

8/2

SF

G) Safety Off Force

3.5

4

4.5

8/2

SF

 H) Trigger Pull Test &
Retainability

I) Firing Pin Indent

.023

.022

.0215

8/2

SF

J) Assemble Stock

K) Assemble Swivel Studs

 L) Attach Front and Rear
Sight Assemblies

M) Iron Sight Alignment

 N) Detach Front & Rear
Sights & place in
numbered container

O) Attach Scope to Rifle

 P) Detach & Attach Scope
20 Times

640

Gallery Target & Test

A) Time

B) Malfunctions

C) Pierced Primers

D) Optical Clarity of Scope

645

Inspect for Live Ammo

655

 Final Inspection
A) Headspace

B) Trigger Pull

2.39

2.55

2.56

2.48

2.47

8/2

SF

C) Function

660

Pack

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607.	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			5
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

SERIAL NO.
C6811419

ORDER NO.
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20

UPC

0 47700 25716 7

GUN SERIAL #

C 6611419

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/17/91	K.S.
600	Proof		3/17/91	K.S.
607	Check Headspace		3/17/91	K.S.
610	Dis-assemble Gun		3/17/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		3/28/91	LS
617	Drill and Tap Sight Holes	APR 3 1991		LS
618	Polish Barrel	APR 3 1991		LS
620	Apply Coatings (Barrel Action)		4-19-91	LS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	LS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	LS
	C) Inspect Ejector Hole for Chamfer		5/1/91	LS
	D) Oil Firing Pin Ass'y		5/1/91	LS
	E) Adjust Trigger Pull to Min Setting and Stake		5-10-91	DH

op. #	BARBER - M24 0076519	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-10-91	DH
	G) Safety Off Force	2	2	2			5-10-91	DH
	H) Trigger Pull Test & Retainability						5-10-91	DH
	I) Firing Pin Indent	.020	.021	.022			5-10-91	DH
	J) Assemble Stock						5/14/91	K-S
	K) Assemble Swivel Studs						5-20-91	AC
	L) Attach Front and Rear Sight Assemblies						5/14/91	K-S
	M) Iron Sight Alignment						5/14/91	K-S
	N) Detach Front & Rear Sights & place in numbered container						5/14/91	K-S
	O) Attach Scope to Rifle						5/14/91	K-S
	P) Detach & Attach Scope 20 Times						5/14/91	K-S
640	Gallery Target & Test						5-15-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-19-91	AF
655	Final Inspection							
	A) Headspace						5-20-91	AC
	B) Trigger Pull	2.67	2.30	2.42	2.45	2.47	5-20-91	AC
	C) Function						5-20-91	AC
660	Pack						6-17-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CCG11419

DATE 5-10-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.71	2.71	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.56	2.74	2.50	
PULL #3	2.65	2.66	2.64	2.42	
PULL #4	2.58	2.40	2.74	2.45	
PULL #5	2.56	2.71	2.72	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.22		
PULL #2	3.37	3.27		
PULL #3	3.27	3.35		
PULL #4	3.27	3.36		
PULL #5	2.97	3.26		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.28		4.21
PULL #2	4.26	4.36		4.13
PULL #3	4.29	4.43		4.28
PULL #4	4.31	4.21		4.14
PULL #5	4.21	4.36		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611419
15 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0912634
1 TO	2	.125718
1 TO	3	.405824
1 TO	4	.127456
1 TO	5	.135665

3B <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0542
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0016
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0542236
THE AMR FOR THIS RIFLE IS: .9616

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/G6611419

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 2.517

VS= 2.567

GS= 2.809

CENTROID *

PATTERN #



SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.331

.908

.911

MINIMUM X

-1.186

-1.038

-1.035

MAXIMUM Y

1.405

1.294

1.133

MINIMUM Y

-1.162

-1.273

-1.111

CENTROID X

.052

-.096

-.099

CENTROID Y

.075

.186

.024

POA TO CENTROID in.

.091

.209

.102

MIN RADIUS

.568

.529

.608

MEAN RADIUS

1.106

1.022

.981

MAX RADIUS

1.665

1.350

1.454

HORIZONTAL SPREAD

2.517

1.946

1.946

VERTICAL SPREAD

2.567

2.567

2.244

EXTREME SPREAD

2.809

2.598

2.585

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

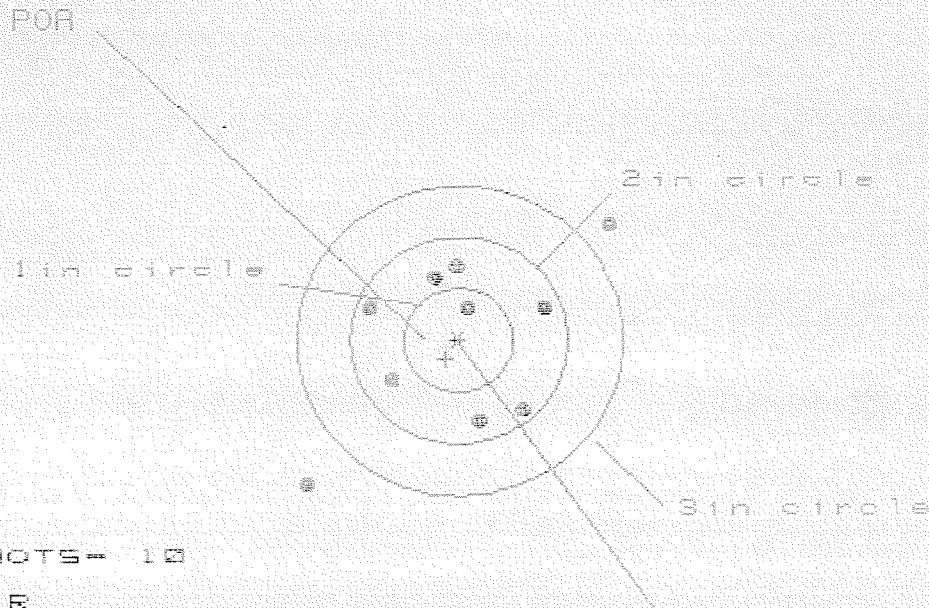
NUMBER IN THREE INCH CIRCLE =

9

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611419

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HS= 2.801

VS= 2.454

GS= 3.724

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	8	8
MAXIMUM X	1.336	1.173	.809
MINIMUM X	-1.465	-.934	-.787
MAXIMUM Y	1.085	.933	.655
MINIMUM Y	-1.369	-.938	-.813
CENTROID X	.118	.291	.104
CENTROID Y	.182	.334	.217
POA TO CENTROID (in.)	.217	.436	.255
MIN RADIUS	.300	.142	.262
MEAN RADIUS	.940	.793	.704
MAX RADIUS	2.005	1.499	.868
HORIZONTAL SPREAD	2.801	2.107	1.596
VERTICAL SPREAD	2.454	1.863	1.468
EXTREME SPREAD	3.724	2.454	1.614
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		8	

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611419

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS= 1.713

VS= 2.768

GS= 2.997

CENTROID #

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.863

.768

.834

MINIMUM X

-.850

-.897

-.831

MAXIMUM Y

1.268

1.102

.910

MINIMUM Y

-1.500

-1.535

-1.723

CENTROID X

-.195

-.100

-.166

CENTROID Y

-.247

-.081

.111

POA TO CENTROID in.

.315

.129

.200

MIN RADIUS

.209

.119

.093

MEAN RADIUS

.975

.800

.657

MAX RADIUS

1.724

1.654

1.812

HORIZONTAL SPREAD

1.713

1.665

1.665

VERTICAL SPREAD

2.768

2.637

2.633

EXTREME SPREAD

2.997

2.997

2.647

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

7

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611419

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.557

VS = 2.155

GS = 2.631

CENTROID *

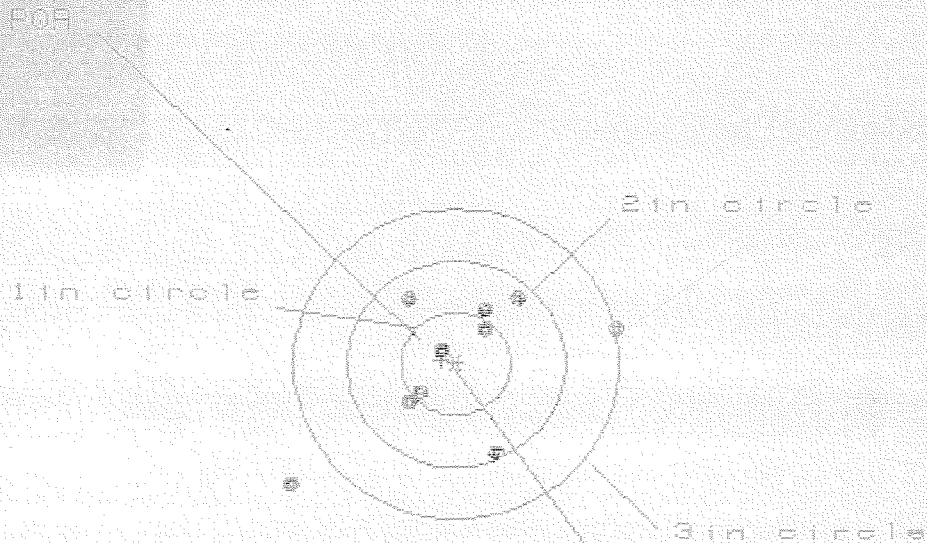
PATTERN #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.133	1.203	1.033
MINIMUM X	-1.434	-1.364	-1.378
MAXIMUM Y	.742	.585	.564
MINIMUM Y	-1.413	-.883	-.904
CENTROID X	.166	.095	.265
CENTROID Y	.018	.175	.196
POA TO CENTROID in.	.167	.199	.330
MIN RADIUS	.133	.303	.317
MEAN RADIUS	.964	.881	.815
MAX RADIUS	1.550	1.433	1.395
HORIZONTAL SPREAD	2.567	2.567	2.411
VERTICAL SPREAD	2.155	1.468	1.468
EXTREME SPREAD	2.631	2.593	2.589
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

15 MAR 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611419

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 8

HS= 3.041

VS= 1.782

GS= 3.381

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.478	1.384	.579
MINIMUM X	-1.563	-.606	-.443
MAXIMUM Y	.659	.534	.563
MINIMUM Y	-1.123	-.977	-.948
CENTROID X	.130	.384	.141
CENTROID Y	-.036	.089	.060
POA TO CENTROID in.	.135	.316	.153
MIN RADIUS	.219	.196	.171
MEAN RADIUS	.823	.683	.581
MAX RADIUS	1.925	1.325	1.013
HORIZONTAL SPREAD	3.041	1.910	1.021
VERTICAL SPREAD	1.782	1.511	1.511
EXTREME SPREAD	3.381	2.047	1.669
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		