

C6611661

MODEL 700™ M24

Model **SMS**™

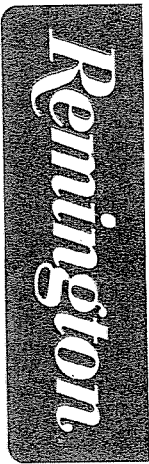
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: RE00144829

Serial: C6611661 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 4/24/2008 10:57:02 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: B/210TH BSB

B/210TH BSB

Address 1: 2 BCT

2 BCT

Address 2: 10 TH MTN DIV

PO Box:

10 TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

naglej

4/24/2008

12:25 PM

NUM



Serial Number: C6611661

Model: M24 SWS



RE00144829

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611661.___0
FILE DATE AND TIME: 05/20/2008 22:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.011
The Average Y Centroid of the Five Target Set:	0.015
The Average Point of Impact of the Five Target Set:	0.019
The Average Mean Radius of the Five Target Set:	0.600
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #2 to Centroid Target #1:	0.298
The Distance from Centroid Target #3 to Centroid Target #1:	0.048
The Distance from Centroid Target #4 to Centroid Target #1:	0.163
The Distance from Centroid Target #5 to Centroid Target #1:	0.146

SERIAL NUMBER: C6611661. 0

TARGET NUMBER: 1

FILE DATE: 05/20/2008

FILE TIME: 22:16

X CENTROID: -0.115

Y CENTROID: 0.016

POA TO CENTROID: 0.116

HORZ SPREAD: 1.675

VERT SPREAD: 1.942

GROUP SPREAD: 2.565

MIN RADIUS: 0.105

MAX RADIUS: 1.383

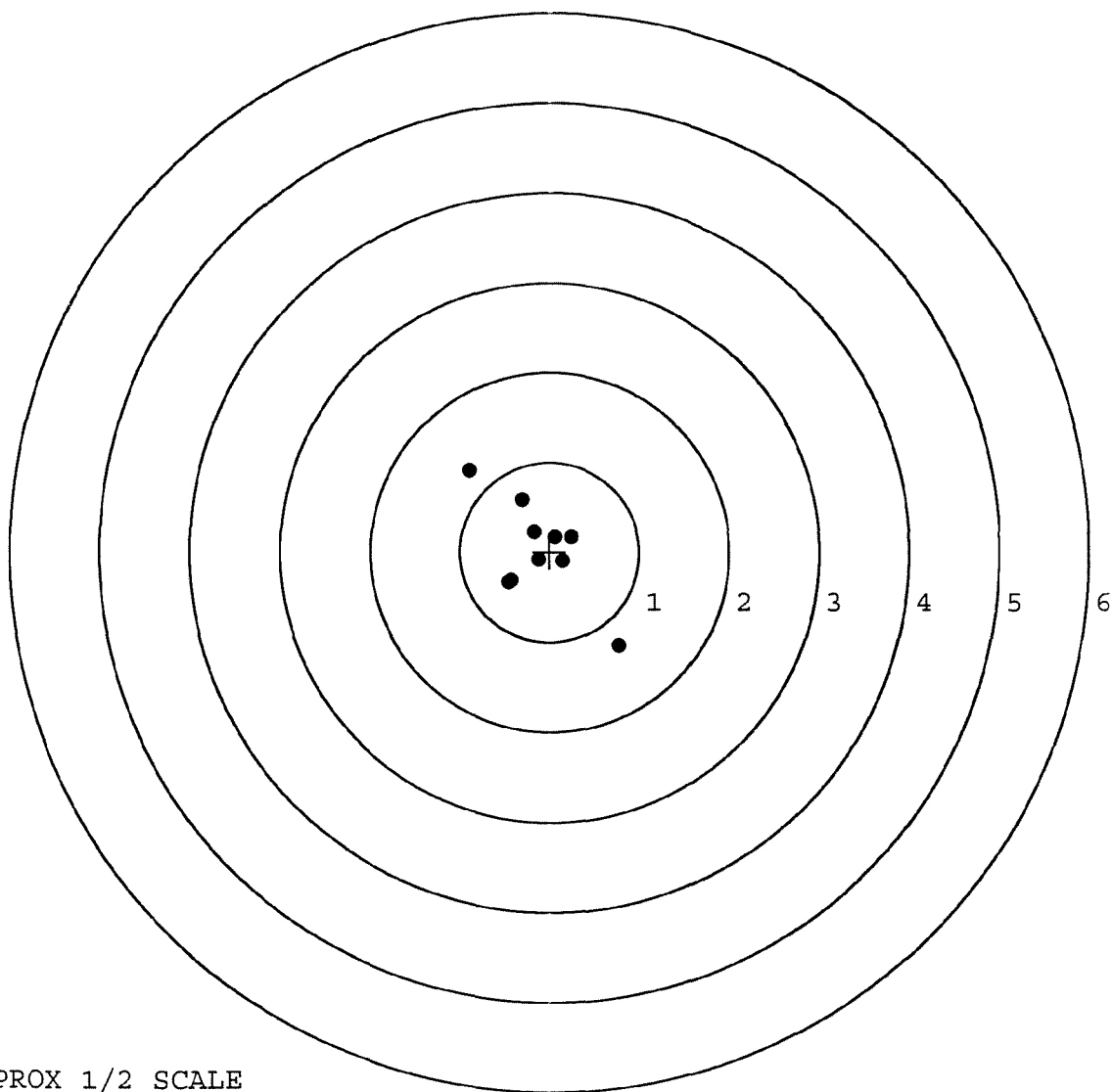
MEAN RADIUS: 0.536

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.899	0.900
2:	-0.313	0.580
3:	-0.168	0.225
4:	0.251	0.169
5:	0.148	-0.102
6:	-0.458	-0.340
7:	0.776	-1.042
8:	-0.124	-0.089
9:	0.065	0.171
10:	-0.430	-0.314



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. 0

TARGET NUMBER: 2

FILE DATE: 05/20/2008

FILE TIME: 22:16

POINT#	X	Y
1:	0.344	0.734
2:	0.606	0.113
3:	0.310	0.211
4:	0.592	-0.205
5:	0.223	-0.149
6:	0.070	-0.370
7:	-0.179	-0.311
8:	-0.673	-0.704
9:	-0.620	0.166
10:	0.898	-0.536

X CENTROID: 0.157

Y CENTROID: -0.105

POA TO CENTROID: 0.189

HORZ SPREAD: 1.571

VERT SPREAD: 1.438

GROUP SPREAD: 1.761

MIN RADIUS: 0.079

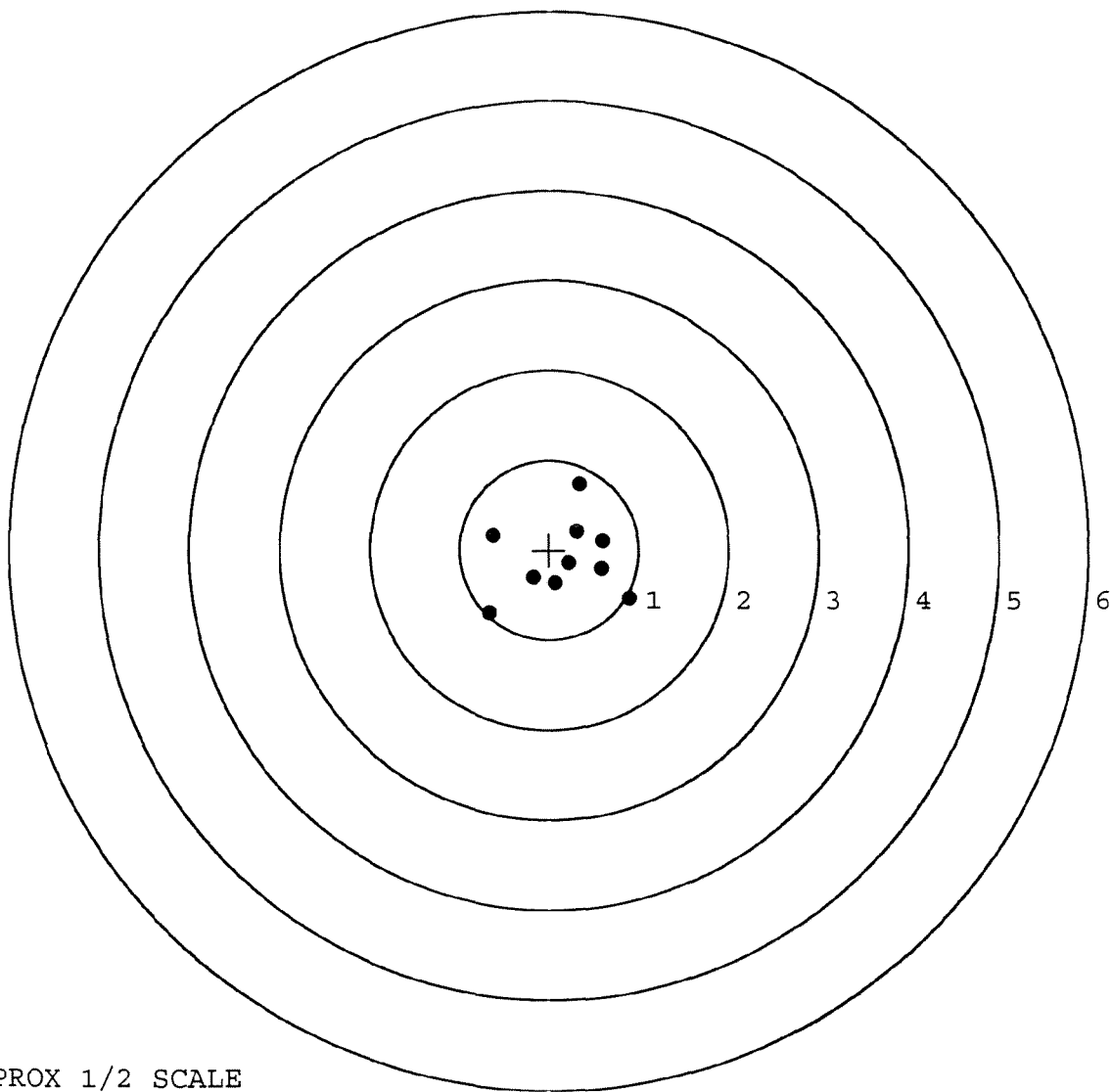
MAX RADIUS: 1.024

MEAN RADIUS: 0.561

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. 0

TARGET NUMBER: 3

FILE DATE: 05/20/2008

FILE TIME: 22:16

POINT#	X	Y
1:	-0.546	0.659
2:	-0.815	0.688
3:	-0.439	0.116
4:	-0.355	-0.227
5:	0.529	0.121
6:	0.157	0.151
7:	0.051	-0.303
8:	0.382	-0.355
9:	0.389	-0.083
10:	-0.411	-1.084

X CENTROID: -0.106

Y CENTROID: -0.032

POA TO CENTROID: 0.110

HORZ SPREAD: 1.344

VERT SPREAD: 1.772

GROUP SPREAD: 1.817

MIN RADIUS: 0.313

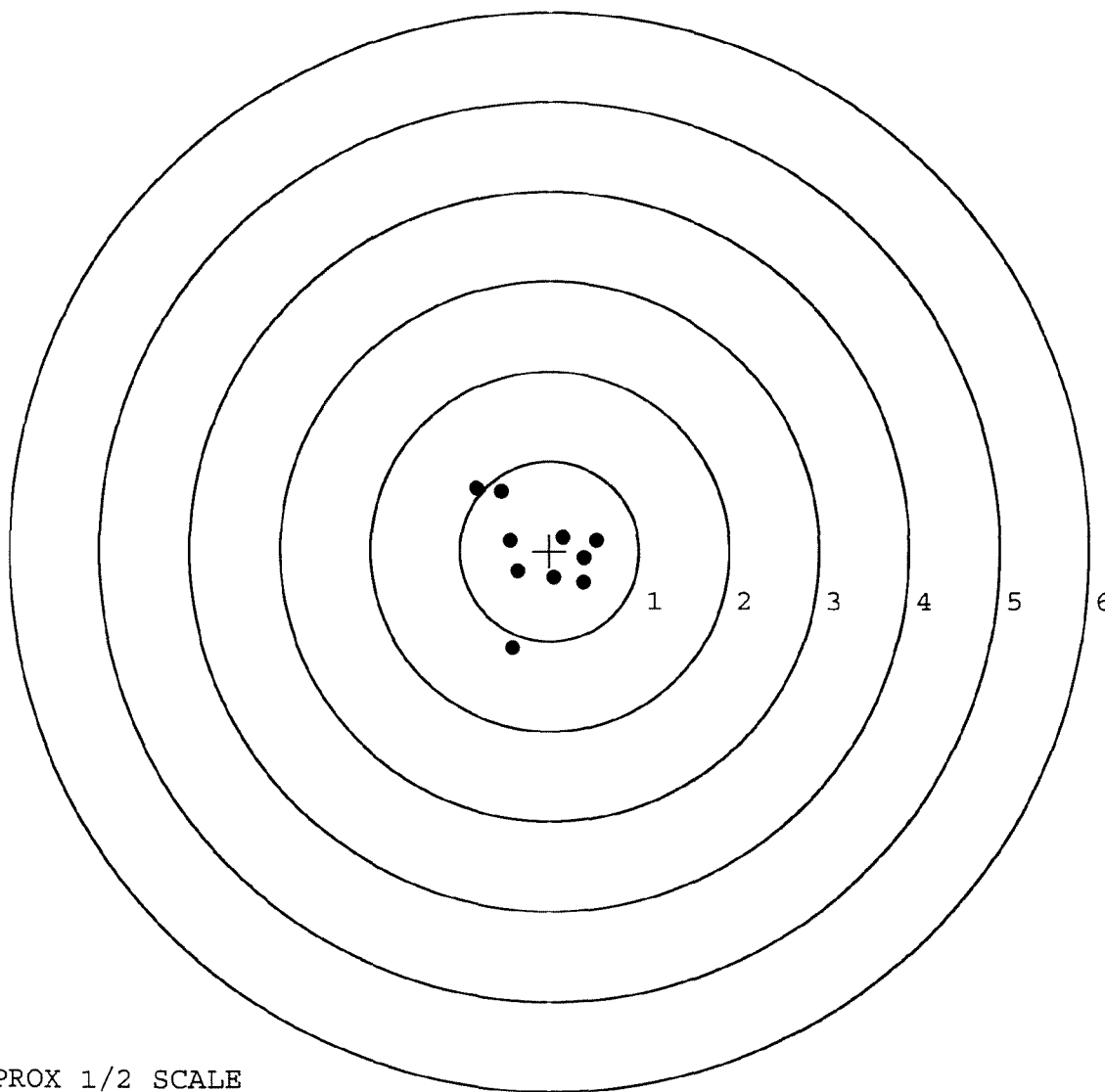
MAX RADIUS: 1.096

MEAN RADIUS: 0.598

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. __0

TARGET NUMBER: 4

FILE DATE: 05/20/2008

FILE TIME: 22:16

POINT#	X	Y
1:	-0.452	0.535
2:	0.103	0.697
3:	0.412	0.260
4:	0.269	0.086
5:	0.484	-0.019
6:	0.645	-0.187
7:	-0.308	-0.258
8:	-0.718	-0.206
9:	-0.140	-0.842
10:	0.130	0.519

X CENTROID: 0.042

Y CENTROID: 0.058

POA TO CENTROID: 0.072

HORZ SPREAD: 1.363

VERT SPREAD: 1.539

GROUP SPREAD: 1.558

MIN RADIUS: 0.228

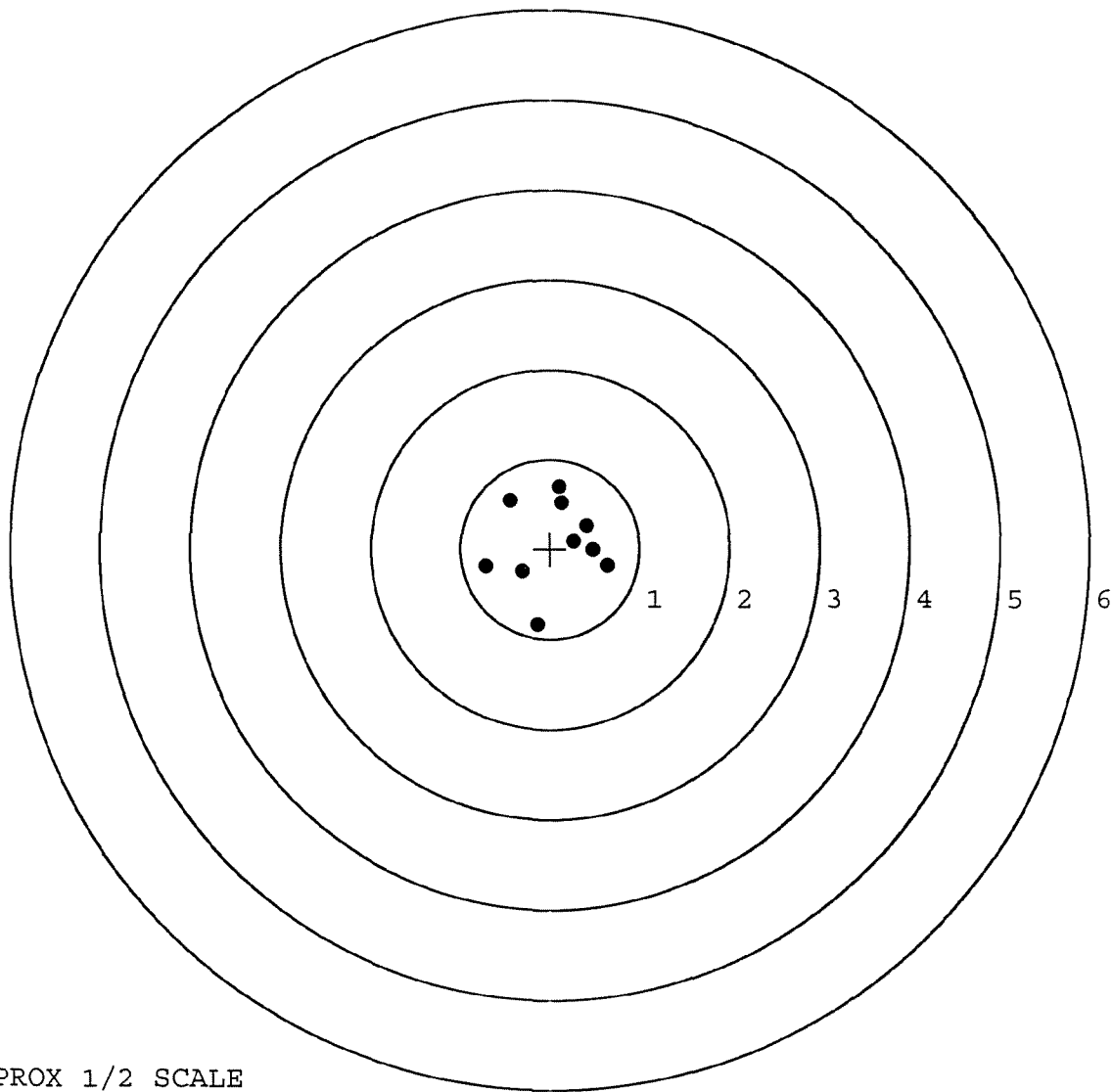
MAX RADIUS: 0.919

MEAN RADIUS: 0.574

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. __0

TARGET NUMBER: 5

FILE DATE: 05/20/2008

FILE TIME: 22:16

POINT#	X	Y
1:	-1.274	0.653
2:	-0.729	0.442
3:	0.839	0.714
4:	0.625	0.617
5:	0.344	0.495
6:	-0.136	0.230
7:	0.388	-0.036
8:	-0.143	-0.243
9:	-0.300	-0.480
10:	0.048	-1.021

X CENTROID: -0.034

Y CENTROID: 0.137

POA TO CENTROID: 0.141

HORZ SPREAD: 2.113

VERT SPREAD: 1.735

GROUP SPREAD: 2.133

MIN RADIUS: 0.138

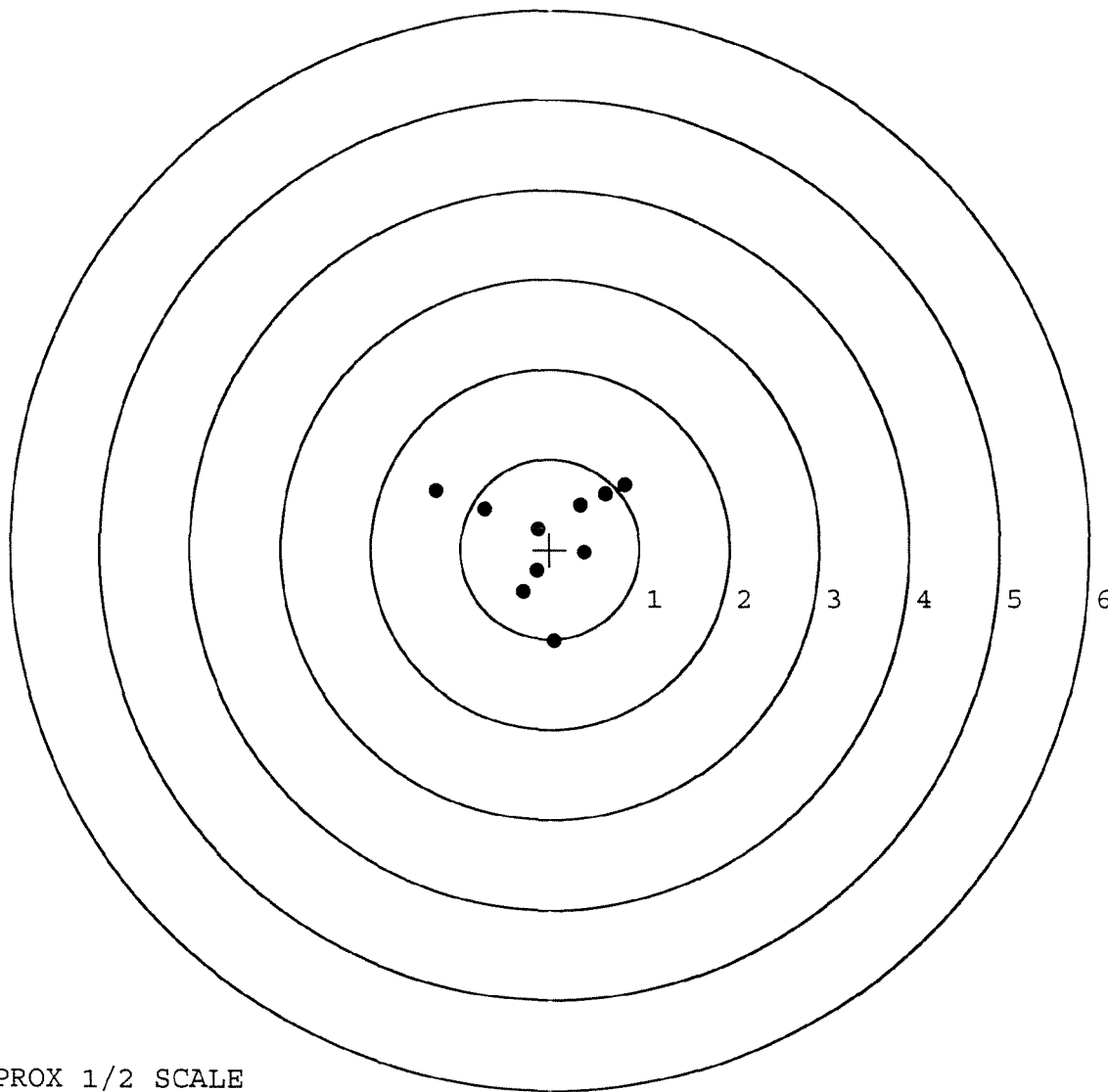
MAX RADIUS: 1.343

MEAN RADIUS: 0.731

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER

144829

SERIAL NUMBER

C66611661

LOG-IN DATE

4-24-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-2-08	RTZ
505	RE-BARREL	5-6-08	RTZ
560	ASSEMBLE	5-6-08	RTZ
600	PROOF	5-7-08	TRW
605	CHECK HEADSPACE	5-7-08	TRW
610	DIS-ASSEMBLE GUN	5-7-08	RTZ
612	MAGNAFLUX	5-9-08	WMS
510	DRILL AND TAP	5-7-08	TRW
615	ROLLMARK CALIBER	5-7-08	CW
618	ROTO-BLAST	5-9-08	DG
620	APPLY COATINGS	5-19-08	WMS
625	FINAL ASSEMBLY	5-20-08	RTZ
640	FUNCTION TEST AND	5-20-08	SD
650	TARGET	5-20-08	SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	MA
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	5-20-08 RP
670	FINAL INSPECTION	5-22-08	FM
	A) HEADSPACE	5-22-08	FM
	B) TRIGGER PULL	2.33 2.40 2.37 2.31 2.34 5-22-08	TRW
680	F) SAFETY ON FORCE	5- 5-5 5.5 5/22/08	FM
	G) SAFETY OFF FORCE	2.0 2.5 2.5 5/22/08	FM
	I) FIRING PIN INDENT	.023 .023 .022 5/22/08	FM
690	PACK	5/29/08	FM

Repair Inquiry

Repair Number: RE00092930

Serial: C6611661 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/13/1991

Repairman:

Status:

Closed 2/10/2005 1:13:56 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FPL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

maglet

2/14/2005

9:15 AM

CAPS

INUM

INE

BCPL

start

5

2

3

SI Arms Services

6

6

Serial Number:

C6611661

Model: M24 SWS



RE00092930

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611661.___0
FILE DATE AND TIME: 04/25/2005 08:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

ERROR - NOT POSSIBLE TO REPORT SWS STATS ON DATA
WHERE TOTAL TARGETS ARE NOT EQUAL TO FIVE

AVE. MEAN 8706

SERIAL NUMBER: C6611661. __0

TARGET NUMBER: 1

FILE DATE: 04/25/2005

FILE TIME: 08:11

POINT#	X	Y
1:	0.252	-0.349
2:	0.579	0.074
3:	0.473	1.234
4:	0.088	0.725
5:	-0.101	0.327
6:	-0.705	-0.038
7:	-0.876	-0.515
8:	-0.959	-1.069
9:	-2.385	-1.359
10:	1.132	-1.221

X CENTROID: -0.250

Y CENTROID: -0.219

POA TO CENTROID: 0.333

HORZ SPREAD: 3.517

VERT SPREAD: 2.593

GROUP SPREAD: 3.859

MIN RADIUS: 0.490

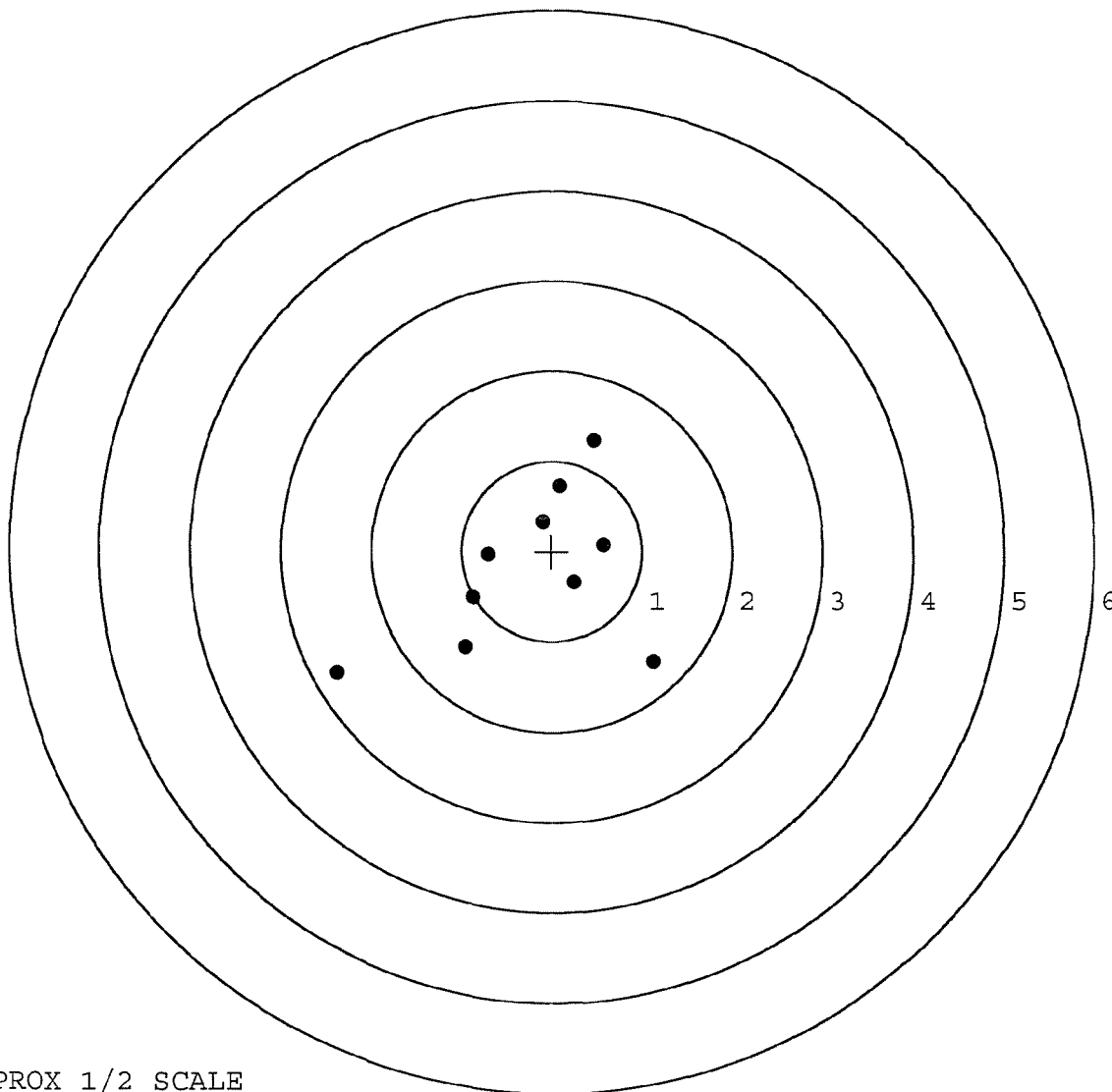
MAX RADIUS: 2.420

MEAN RADIUS: 1.101

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. __0

TARGET NUMBER: 2

FILE DATE: 04/25/2005

FILE TIME: 08:11

POINT#	X	Y
1:	1.336	0.790
2:	1.188	1.071
3:	0.249	-0.915
4:	0.519	-0.162
5:	0.391	0.276
6:	-0.433	-0.611
7:	-0.340	-0.028
8:	-0.071	0.483
9:	-0.182	0.690
10:	-0.409	0.443

X CENTROID: 0.225

Y CENTROID: 0.204

POA TO CENTROID: 0.303

HORZ SPREAD: 1.769

VERT SPREAD: 1.986

GROUP SPREAD: 2.336

MIN RADIUS: 0.181

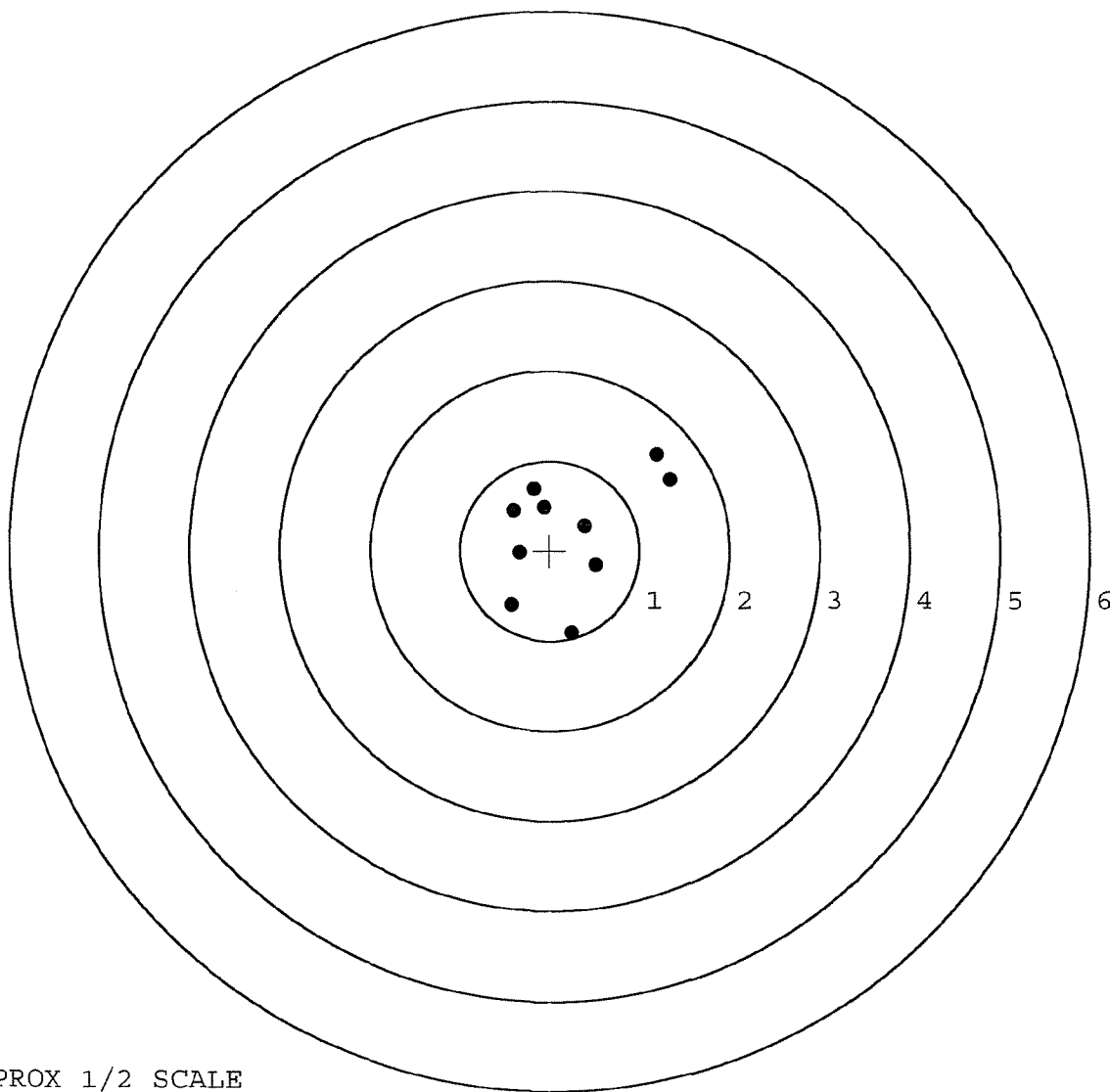
MAX RADIUS: 1.296

MEAN RADIUS: 0.770

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611661. __0

TARGET NUMBER: 3

FILE DATE: 04/25/2005

FILE TIME: 08:11

X CENTROID: -0.433

Y CENTROID: 0.035

POA TO CENTROID: 0.434

HORZ SPREAD: 1.752

VERT SPREAD: 2.574

GROUP SPREAD: 2.583

MIN RADIUS: 0.107

MAX RADIUS: 1.630

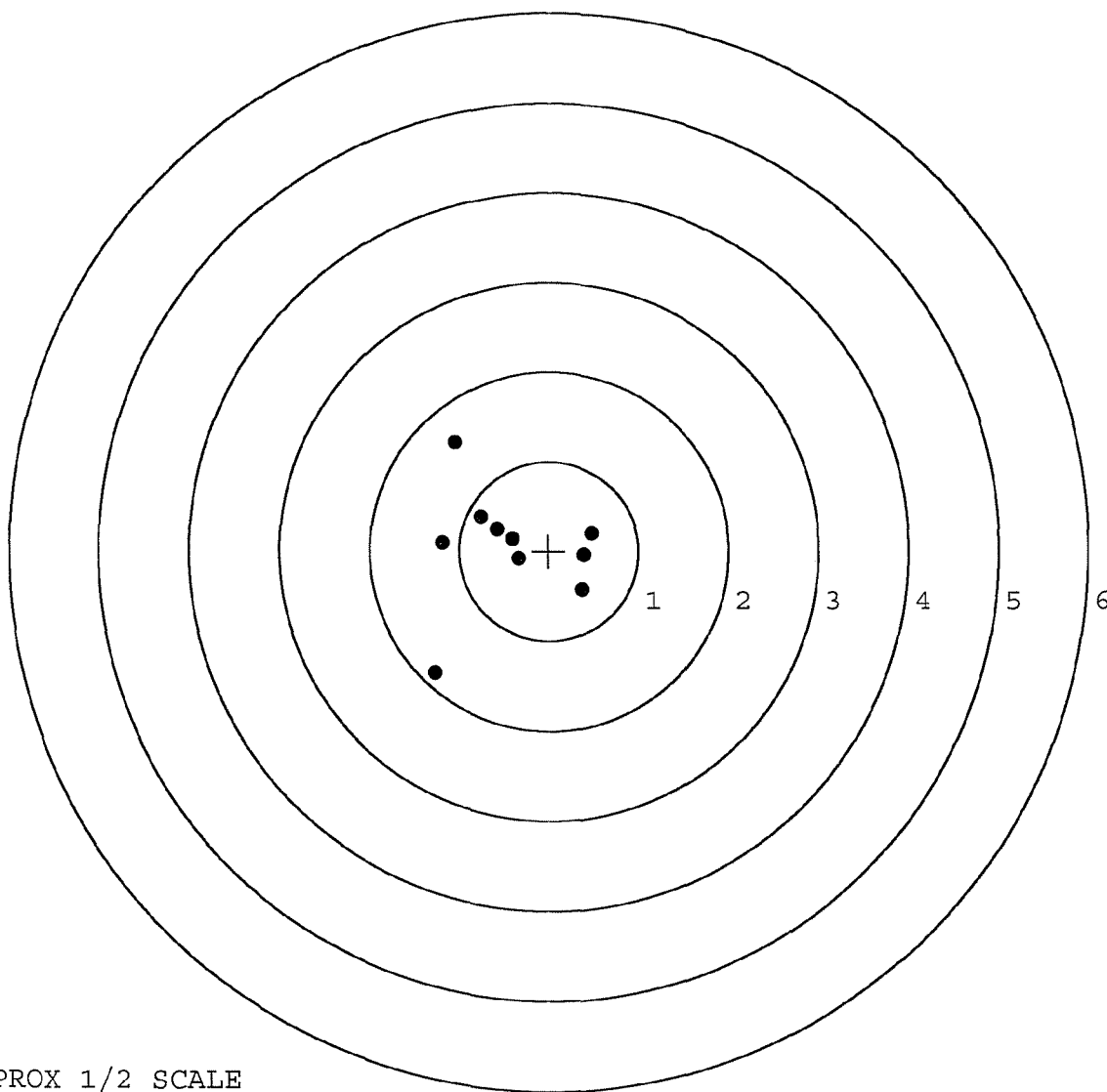
MEAN RADIUS: 0.741

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.047	1.210
2:	-1.191	0.093
3:	-1.268	-1.364
4:	-0.760	0.386
5:	-0.574	0.244
6:	-0.404	0.138
7:	-0.339	-0.093
8:	0.484	0.206
9:	0.394	-0.041
10:	0.379	-0.427



TARGET APPROX 1/2 SCALE

R & E NUMBER	92930				
SERIAL NUMBER	C6611661				
LOG-IN DATE	2-10-05				
INSPECT AND VERIFY:					
OPERATION #	OPERATION NAME	DATE	INITIAL		
550	DIS-ASSEMBLE GUN				
560 A	RE-BARREL				
B	DRILL AND TAP				
575	ASSEMBLE				
600	PROOF				
605	CHECK HEADSPACE				
610	DIS-ASSEMBLE GUN				
612	MAGNAFLUX				
615	ROLLMARK CALIBER				
618	ROTO-BLAST				
620	APPLY COATINGS				
625 A	FINAL ASSEMBLY				
B	TRIGGER PULL TEST				
C	SAFETY "ON" FORCE	4-27-05	AC		
D	SAFETY "OFF" FORCE	4-27-05	AC		
E	FIRING PIN INDENT	4-27-05	AC		
640	TARGET Test P.O.A.	4-25-05	TRW		
655	FINAL INSPECT	4-27-05	AC		
660	PACK	4-27-05	AC		
		SHIP DATE			
		QAR INSPECTION DATE			



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

MODEL 700TM H24

20

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

SERIAL NO.
C6611661

ORDER NO.
5716



5716 C6611661

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611661

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25 91		RW
600	Proof	3 25 91		RW
607	Check Headspace	3 25 91		RW
610	Dis-assemble Gun	3 25 91		RW
612	Magnaflux Barrel Action	3 28 91		KR
	Magnaflux Bolt	3 28 91		LC
615	Rollmark Caliber	3 28 91		JS
617	Drill and Tap Sight Holes		APR 3 1991	FB
618	Polish Barrel		APR 3 1991	FB
620	Apply Coatings (Barrel Action)		4-11-91	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-9-91	DH

op. #	BARBER - M24 0033978 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	7	7			5-10-91	AC
	G) Safety Off Force	3	3	3			5-10-91	AC
	H) Trigger Pull Test & Retainability						5-9-91	DH
	I) Firing Pin Indent	.021	.022	.021			5-10-91	AC
	J) Assemble Stock						5/13/91	RW
	K) Assemble Swivel Studs						5-20-91	DH
	L) Attach Front and Rear Sight Assemblies						5/13/91	RW
	M) Iron Sight Alignment						5/13/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/13/91	RW
	O) Attach Scope to Rifle						5/13/91	RW
	P) Detach & Attach Scope 20 Times						5/13/91	RW
640	Gallery Target & Test						5-14-91	AC
	A) Time						5-14-91	AC
	B) Malfunctions						5-14-91	AC
	C) Pierced Primers						5-14-91	AC
	D) Optical Clarity of Scope						5-14-91	AC
645	Inspect for Live Ammo						5-14-91	AC
655	Final Inspection							
	A) Headspace						5-20-91	DH
	B) Trigger Pull	2.69	2.67	2.55	2.54	2.54	5/20/91	SP
	C) Function						5-20-91	DH
660	Pack						6-18-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6611661DATE 5-9-91TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.35	2.58	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.28	2.55	2.67	
PULL #3	2.42	2.34	2.55	2.55	
PULL #4	2.44	2.31	2.53	2.54	
PULL #5	2.49	2.27	2.53	2.54	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	3.11		
PULL #2	2.99	3.08		
PULL #3	2.99	3.07		
PULL #4	2.97	3.09		
PULL #5	2.97	3.08		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.40		4.09
PULL #2	4.27	4.30		4.04
PULL #3	4.12	4.17		4.01
PULL #4	4.28	4.30		4.05
PULL #5	4.23	4.12		3.85
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611661
14 May 1991

CENTROIDAL DISTANCES

0 TO	1	.335932
1 TO	2	.306493
1 TO	3	.529412
1 TO	4	.330606
1 TO	5	.468207

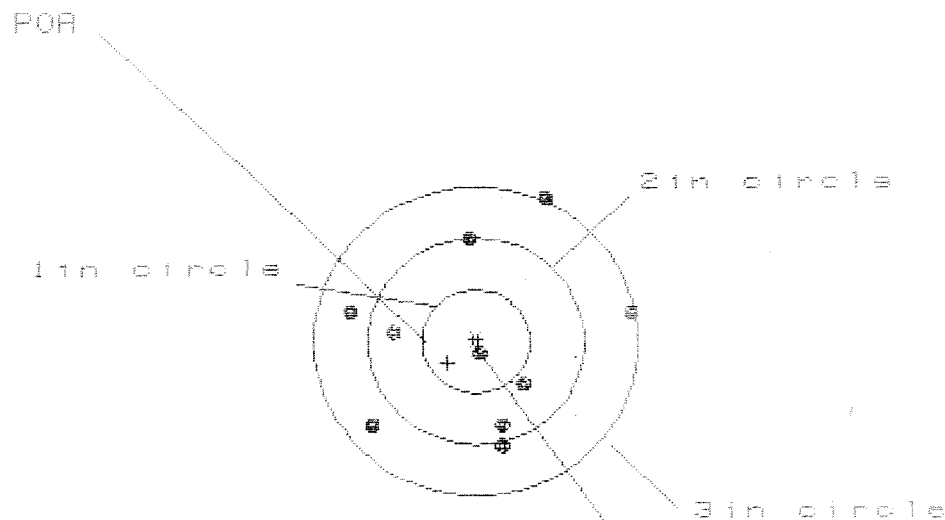
$\frac{3}{9} \cdot 1$ <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.01
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0874
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0879702
THE AMR FOR THIS RIFLE IS: .897

14 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11661

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HS = 2.632

VS = 2.472

GS = 2.768

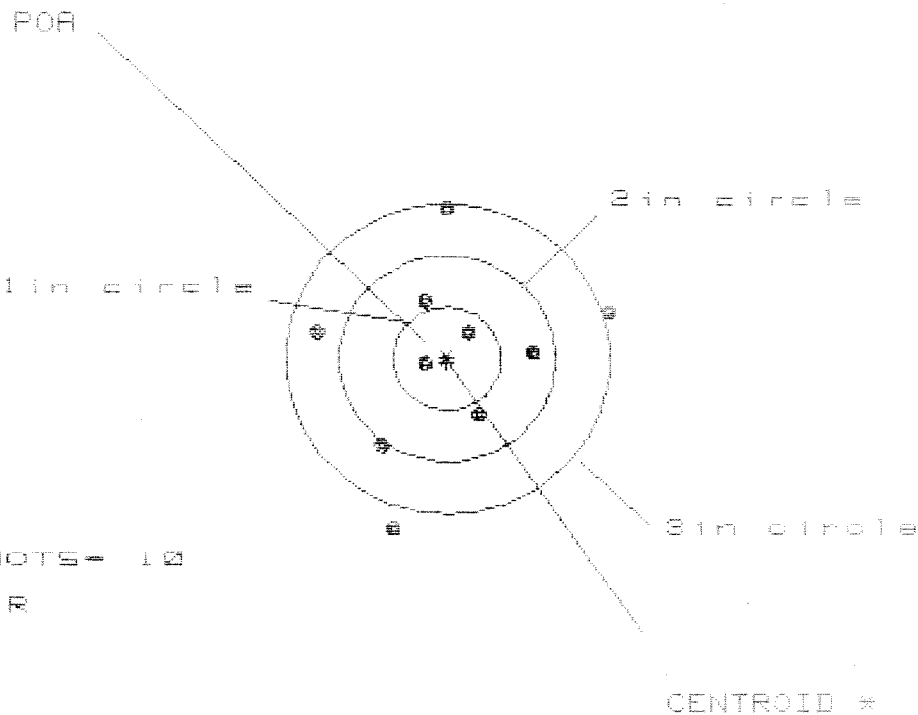
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.462	1.536	.663
MINIMUM X	-1.170	-1.096	-.903
MAXIMUM Y	1.427	1.189	1.250
MINIMUM Y	-1.045	-.887	-.826
CENTROID X	.263	.189	-.004
CENTROID Y	.209	.051	-.010
POA TO CENTROID in.	.336	.195	.011
MIN RADIUS	.131	.094	.295
MEAN RADIUS	1.005	.912	.828
MAX RADIUS	1.575	1.612	1.275
HORIZONTAL SPREAD	2.632	2.632	1.566
VERTICAL SPREAD	2.472	2.076	2.076
EXTREME SPREAD	2.768	2.704	2.086
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

14 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06811661

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 2.702

VS = 3.169

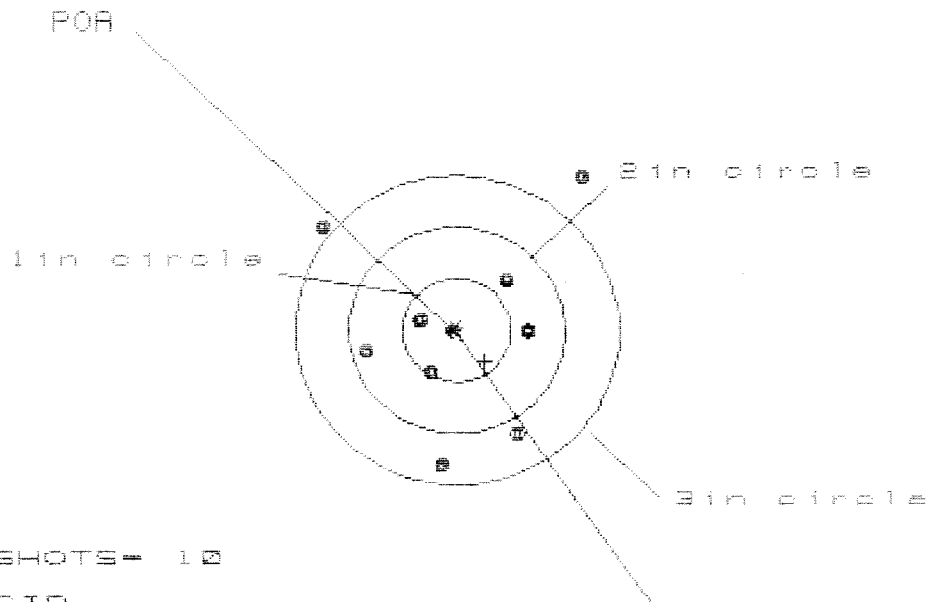
GS = 3.213

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.457	1.398	.907
MINIMUM X	-1.245	-1.304	-1.129
MAXIMUM Y	1.503	1.318	1.355
MINIMUM Y	-1.666	-.986	-.949
CENTROID X	.006	.065	-.110
CENTROID Y	.042	.227	.190
POA TO CENTROID in.	.042	.236	.219
MIN RADIUS	.248	.210	.253
MEAN RADIUS	.967	.865	.791
MAX RADIUS	1.747	1.430	1.360
HORIZONTAL SPREAD	2.702	2.702	2.036
VERTICAL SPREAD	3.169	2.304	2.304
EXTREME SPREAD	3.213	2.715	2.389
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

14 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66116B1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.347

VS= 2.802

GS= 3.088

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.145
MINIMUM X	-1.202
MAXIMUM Y	1.461
MINIMUM Y	-1.341
CENTROID X	-.258
CENTROID Y	.303
POA TO CENTROID in.	.398
MIN RADIUS	.042
MEAN RADIUS	.902
MAX RADIUS	1.856
HORIZONTAL SPREAD	2.347
VERTICAL SPREAD	2.802
EXTREME SPREAD	3.088
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 10

HS = 1.894

VS = 2.365

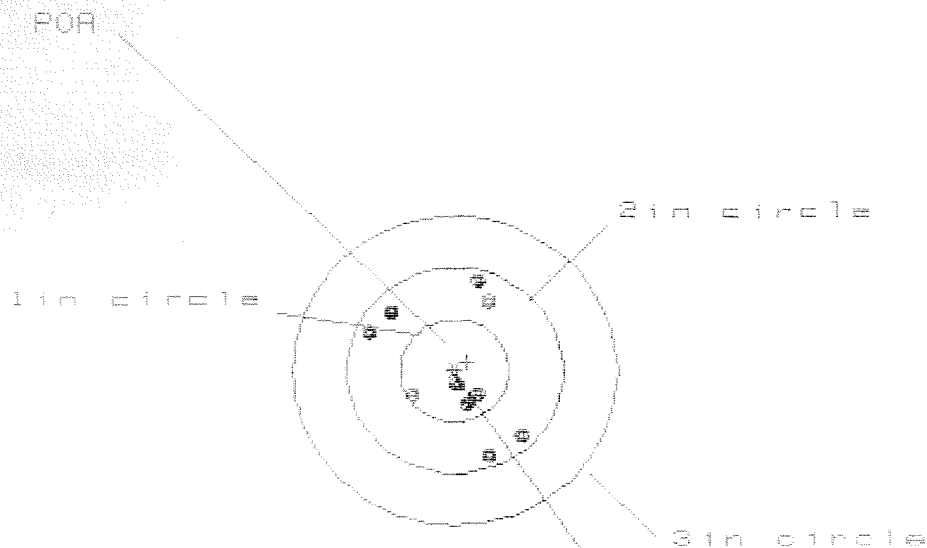
GS = 2.862

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.888	.784	.706
MINIMUM X	:	-1.006	-.908	-.986
MAXIMUM Y	:	1.203	1.093	.965
MINIMUM Y	:	-1.162	-1.028	-1.117
CENTROID X	:	.049	-.049	.029
CENTROID Y	:	-.043	-.177	-.049
POA TO CENTROID in.	:	.066	.184	.057
MIN RADIUS	:	.515	.595	.533
MEAN RADIUS	:	.978	.922	.867
MAX RADIUS	:	1.495	1.203	1.216
HORIZONTAL SPREAD	:	1.894	1.692	1.692
VERTICAL SPREAD	:	2.365	2.121	2.082
EXTREME SPREAD	:	2.862	2.248	2.138
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 10

3 in = 10

HS= 1.392

VS= 1.723

GS= 1.728

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.627	.655	.448
MINIMUM X	-.765	-.737	-.655
MAXIMUM Y	.916	.755	.685
MINIMUM Y	-.807	-.705	-.775
CENTROID X	-.110	-.138	-.220
CENTROID Y	-.074	-.176	-.106
POR TO CENTROID in.	.133	.224	.244
MIN RADIUS	.127	.025	.130
MEAN RADIUS	.633	.568	.548
MAX RADIUS	.951	.868	.896
HORIZONTAL SPREAD	1.392	1.392	1.103
VERTICAL SPREAD	1.723	1.460	1.460
EXTREME SPREAD	1.728	1.728	1.604
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		