

C6587699

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

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: **RE00103571** Serial: C6587699 Model: M24 SWS Center Fire
 Verify Repair: [REDACTED] Caliber: 7.62 NATO Repairman: [REDACTED]
 Status: Closed 11/10/2005 2:35:43 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

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

Address 1: **ANNISTON ARMY DEPOT** **ANNISTON ARMY DEPOT**

Address 2: **EXT BYNUM AL 36253** PO Box: **EXT BYNUM AL 36253** PO Box: **EXT BYNUM AL 36253**

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

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

FFL: [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **NA**

Fax: [REDACTED]

Email: [REDACTED]

Comments: [REDACTED]

Received Condition

Fair

Condition Notes: [REDACTED]

CSR Notes: [REDACTED]

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Front and Rear Sgt Base	1

Repair Search Refresh Close

11/10/2005 3:38 PM CAPS NUM INS SCPL

start [REDACTED] [REDACTED] [REDACTED] [REDACTED]

Serial Number: **C6587699**

Model: **M24 SWS**



RE00103571

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587699.___0
FILE DATE AND TIME: 11/28/2005 23:21

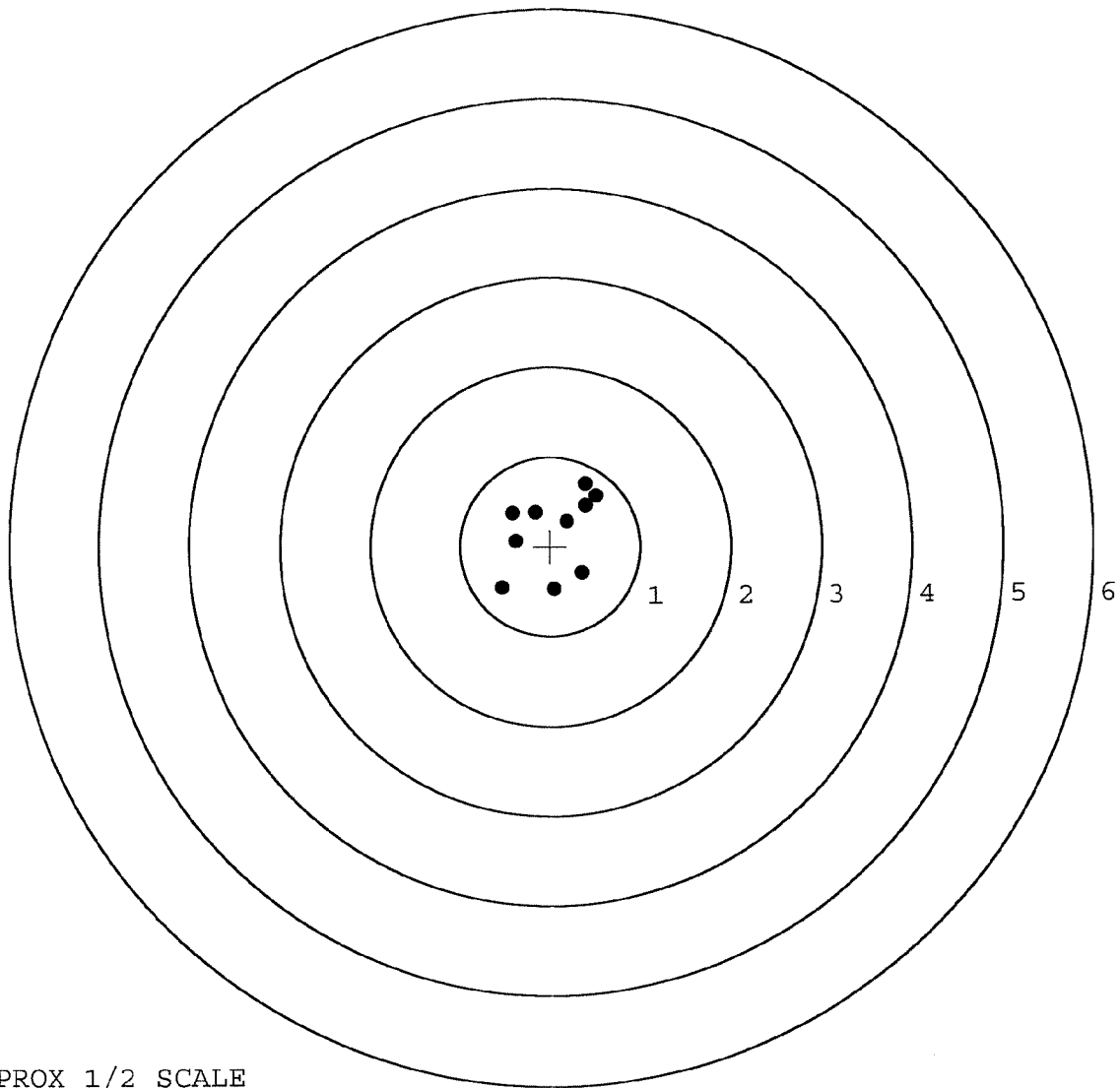
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.102
The Average Y Centroid of the Five Target Set:	0.051
The Average Point of Impact of the Five Target Set:	0.114
The Average Mean Radius of the Five Target Set:	0.497
The Distance from POA to Centroid Target #1:	0.164
The Distance from Centroid Target #2 to Centroid Target #1:	0.248
The Distance from Centroid Target #3 to Centroid Target #1:	0.264
The Distance from Centroid Target #4 to Centroid Target #1:	0.172
The Distance from Centroid Target #5 to Centroid Target #1:	0.045

SERIAL NUMBER: C6587699. __0
TARGET NUMBER: 1
FILE DATE: 11/28/2005
FILE TIME: 23:21

X CENTROID: 0.038
Y CENTROID: 0.160
POA TO CENTROID: 0.164
HORZ SPREAD: 1.043
VERT SPREAD: 1.185
GROUP SPREAD: 1.492
MIN RADIUS: 0.192
MAX RADIUS: 0.848
MEAN RADIUS: 0.522
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.356	-0.294
2:	0.040	-0.484
3:	-0.535	-0.465
4:	-0.381	0.063
5:	-0.417	0.376
6:	-0.166	0.385
7:	0.187	0.281
8:	0.395	0.462
9:	0.508	0.573
10:	0.396	0.701



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587699. __0

TARGET NUMBER: 2

FILE DATE: 11/28/2005

FILE TIME: 23:21

X CENTROID: 0.188

Y CENTROID: -0.038

POA TO CENTROID: 0.192

HORZ SPREAD: 1.138

VERT SPREAD: 1.195

GROUP SPREAD: 1.202

MIN RADIUS: 0.082

MAX RADIUS: 0.701

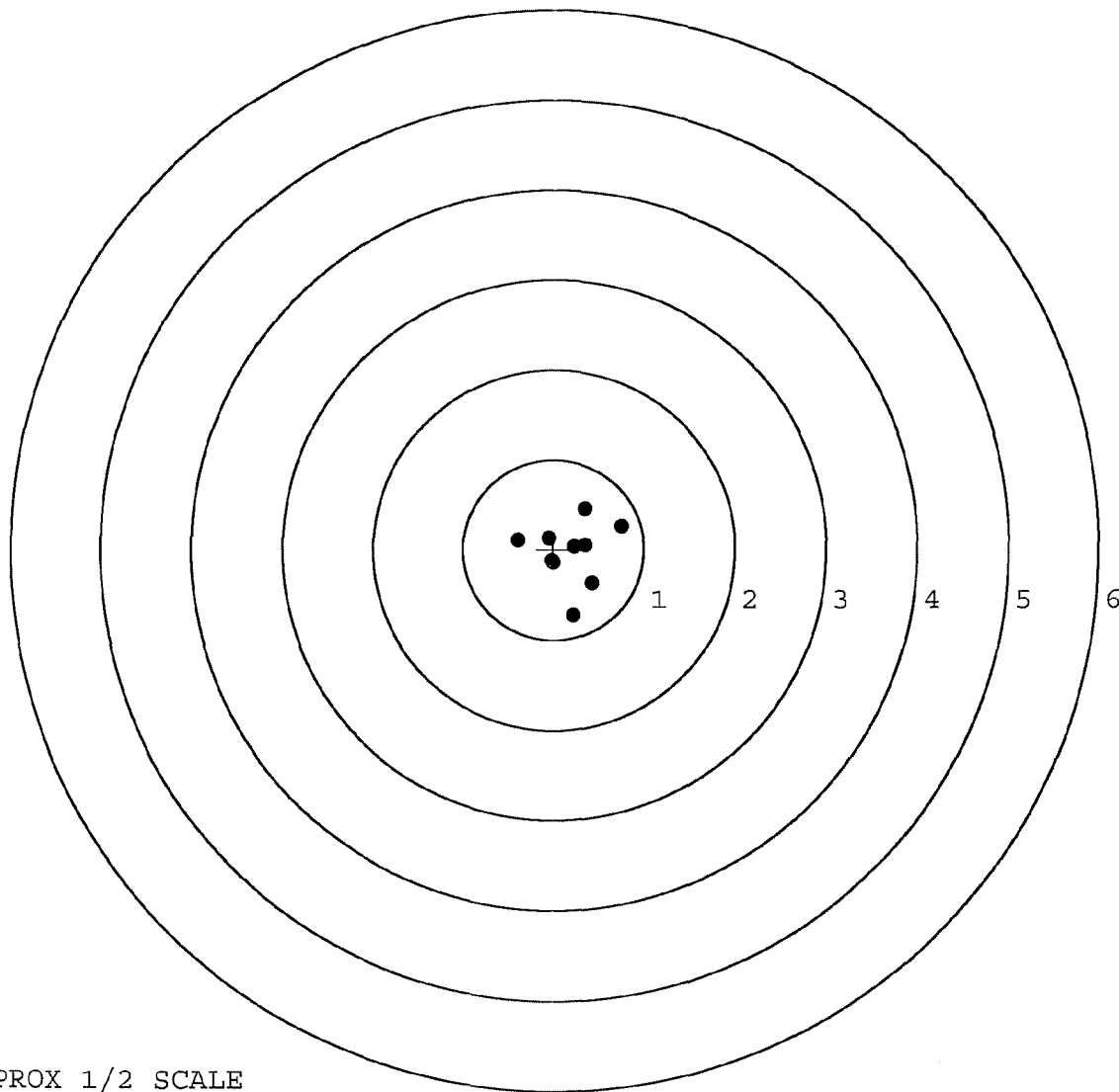
MEAN RADIUS: 0.386

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.002	-0.153
2:	-0.047	0.126
3:	0.234	0.031
4:	0.355	0.045
5:	0.429	-0.377
6:	0.747	0.258
7:	0.351	0.457
8:	-0.391	0.102
9:	0.222	-0.738
10:	-0.014	-0.127

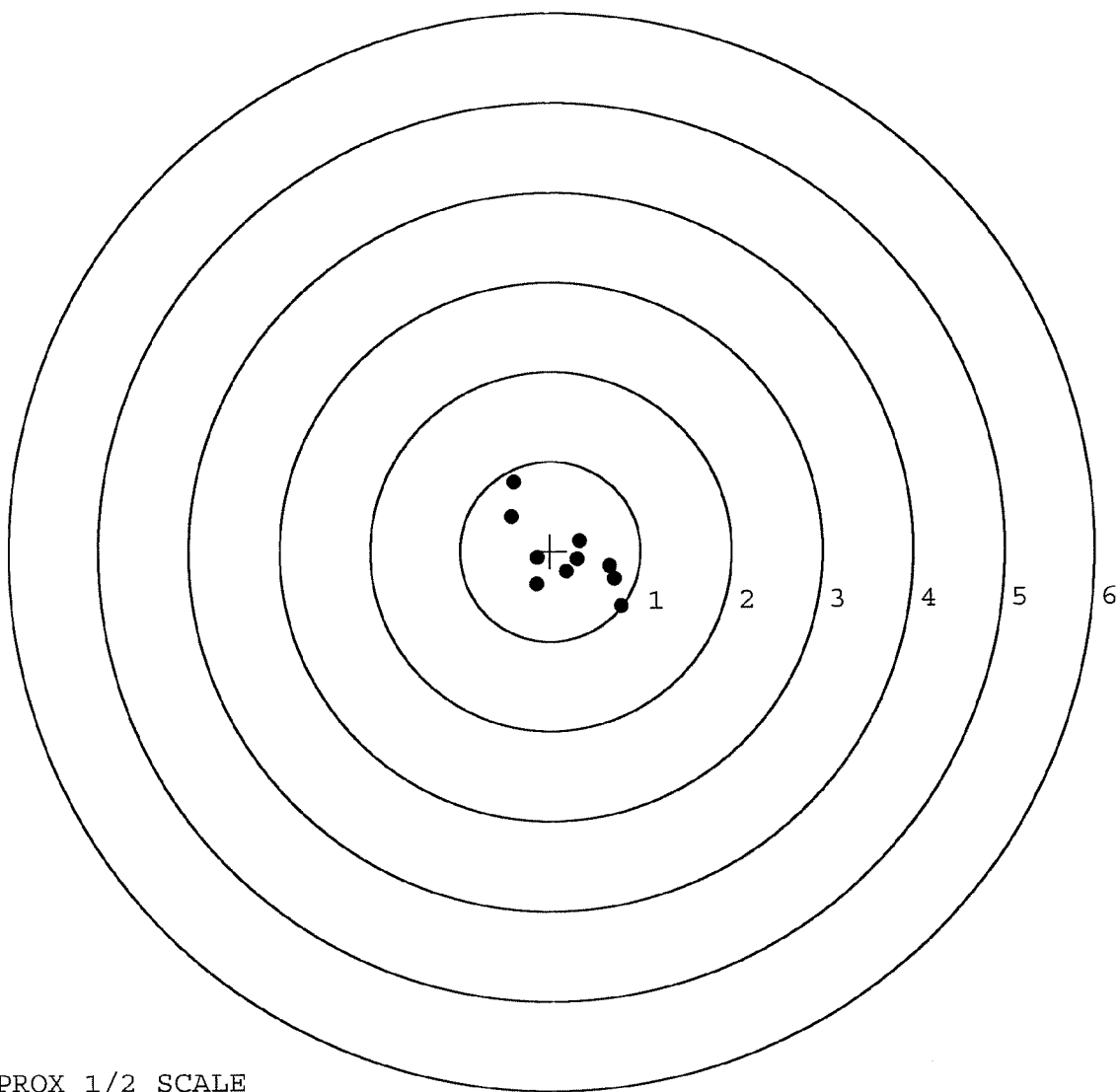


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587699. __0
TARGET NUMBER: 3
FILE DATE: 11/28/2005
FILE TIME: 23:21

X CENTROID: 0.183
Y CENTROID: -0.061
POA TO CENTROID: 0.193
HORZ SPREAD: 1.208
VERT SPREAD: 1.386
GROUP SPREAD: 1.823
MIN RADIUS: 0.125
MAX RADIUS: 1.016
MEAN RADIUS: 0.498
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.152	-0.080
2:	-0.158	-0.370
3:	-0.427	0.383
4:	-0.403	0.769
5:	0.331	0.113
6:	0.302	-0.098
7:	0.185	-0.233
8:	0.655	-0.169
9:	0.713	-0.311
10:	0.781	-0.617

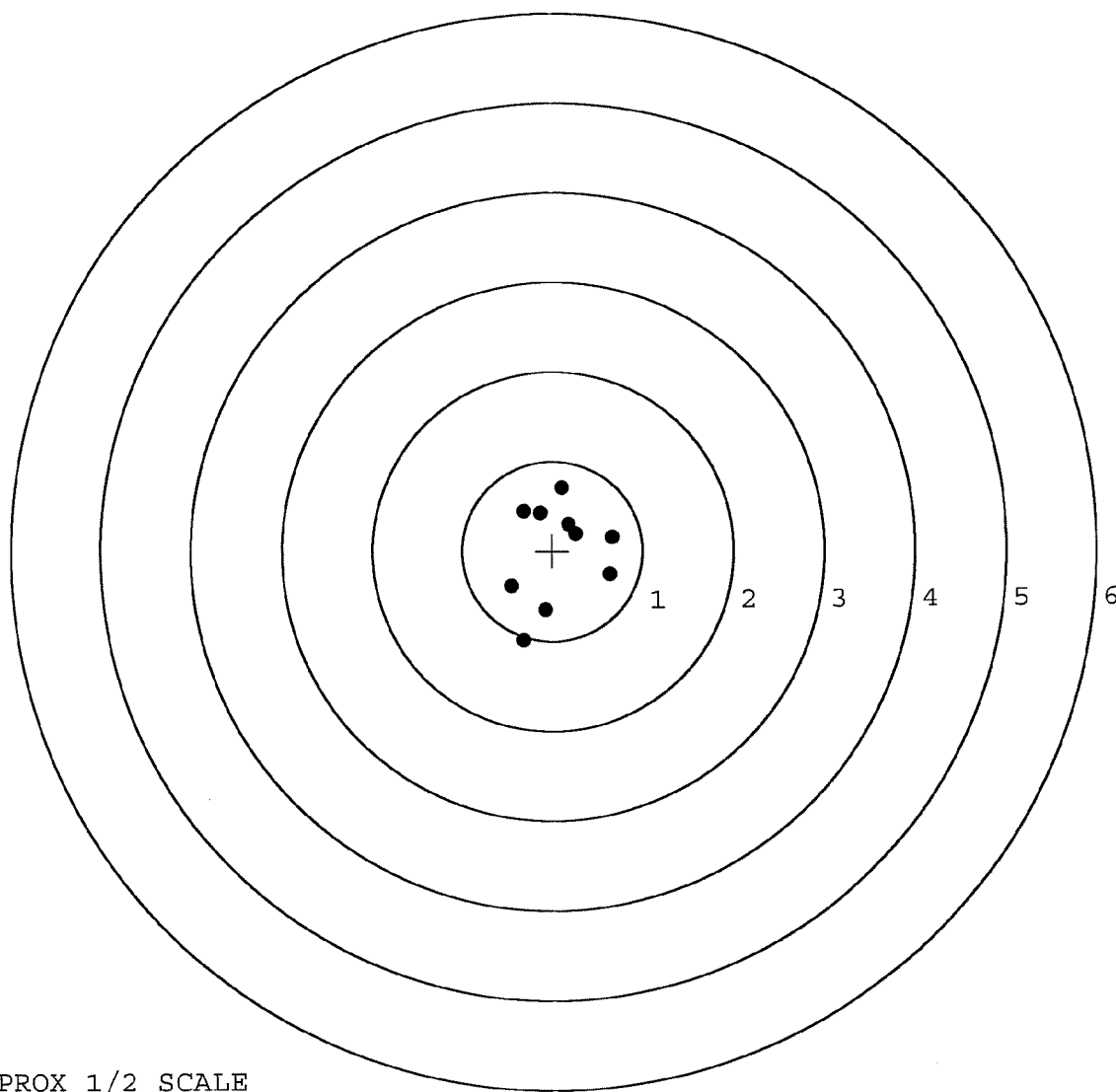


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587699. __0
TARGET NUMBER: 4
FILE DATE: 11/28/2005
FILE TIME: 23:21

X CENTROID: 0.054
Y CENTROID: -0.012
POA TO CENTROID: 0.055
HORZ SPREAD: 1.117
VERT SPREAD: 1.702
GROUP SPREAD: 1.756
MIN RADIUS: 0.289
MAX RADIUS: 1.055
MEAN RADIUS: 0.603
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.263	0.188
2:	0.186	0.296
3:	0.108	0.706
4:	-0.139	0.423
5:	-0.315	0.445
6:	0.661	0.148
7:	0.637	-0.268
8:	-0.081	-0.665
9:	-0.456	-0.394
10:	-0.326	-0.996

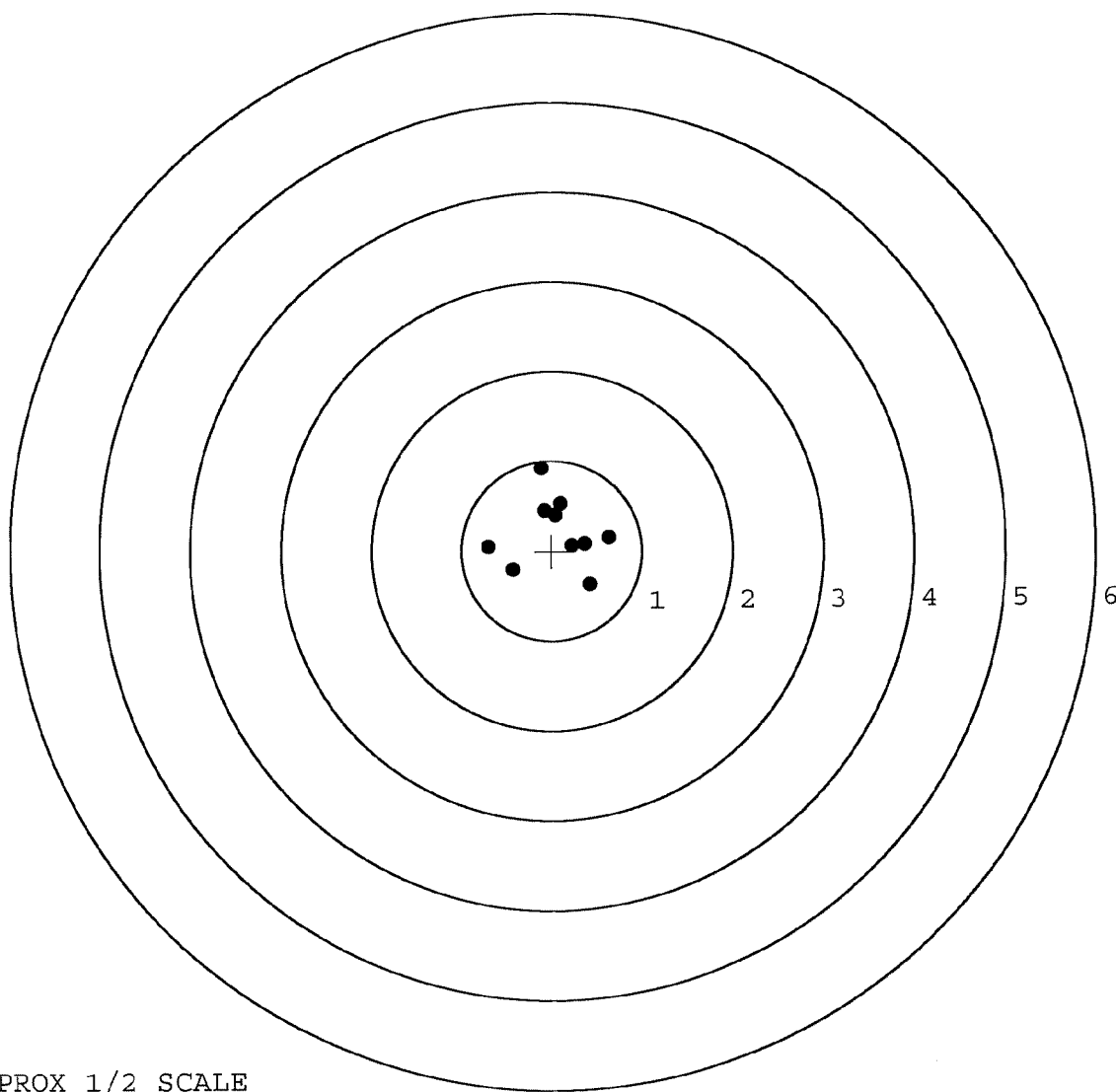


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587699. __0
TARGET NUMBER: 5
FILE DATE: 11/28/2005
FILE TIME: 23:21

X CENTROID: 0.047
Y CENTROID: 0.204
POA TO CENTROID: 0.209
HORZ SPREAD: 1.343
VERT SPREAD: 1.293
GROUP SPREAD: 1.347
MIN RADIUS: 0.193
MAX RADIUS: 0.767
MEAN RADIUS: 0.478
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.229	0.064
2:	0.104	0.526
3:	0.043	0.397
4:	-0.084	0.448
5:	-0.704	0.047
6:	-0.430	-0.211
7:	0.367	0.085
8:	0.639	0.149
9:	-0.116	0.914
10:	0.422	-0.379



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	103571			
SERIAL NUMBER	C6587699			
LOG-IN DATE	11-10-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-14-05	RK
505	RE-BARREL		11-15-05	RJL
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA - FLUX INSPECTED	11-15-05	CD
605	CHECK HEADSPACE	NOV 18 2005	11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>unus</u>	11/18/05	unus
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	FB
625	FINAL ASSEMBLY		11-28-05	RJL
640	FUNCTION TEST AND	PASS FAIL	11/28/05	MJP
650	TARGET	PASS FAIL	11/28/05	MJP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-29-05	AC
	A) HEADSPACE	PASS FAIL	11-29-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		X
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4 lbs 4 lbs 4 lbs	A
	G) SAFETY OFF FORCE	2 LBS	3 lbs 3 lbs 3 lbs	A
	I) FIRING PIN INDENT	.020	.023 .023 .023	A
690	PACK		12/5/05	DA




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

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

MODEL 700™ H24

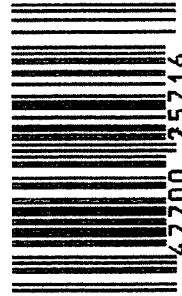
SERIAL NO.
C6587699

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



5716 C6587699

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587699

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	70 9	90	RW
600	Proof	70 9	90	RW
607	Check Headspace	70 9	90	RW
610	Dis-assemble Gun	70 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	GL
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel RB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	JH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/29/90	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5.0	4.25	4.25			11/29/90	KJ
	G) Safety Off Force	2.75	2.75	3.0			11/29-90	KJ
	H) Trigger Pull Test & Retainability						11/29/90	JH
	I) Firing Pin Indent	.020	.020	.020			11-29-90	KJ
	J) Assemble Stock						12/5/90	RW
	K) Assemble Swivel Studs						12-6-90	JH
	L) Attach Front and Rear Sight Assemblies						12/5/90	RW
	M) Iron Sight Alignment						12/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/5/90	RW
	O) Attach Scope to Rifle						12/5/90	RW
	P) Detach & Attach Scope 20 Times						12/5/90	RW
640	Gallery Target & Test						12-5-90	DH
	A) Time						12-5-90	DH
	B) Malfunctions						12-5-90	DH
	C) Pierced Primers						12-5-90	DH
	D) Optical Clarity of Scope						12-5-90	DH
645	Inspect for Live Ammo						12-5-90	DH
655	Final Inspection							
	A) Headspace						12-6-90	JH
	B) Trigger Pull	273	275	289	295	265	12-6-90	JH
	C) Function						12-6-90	JH
660	Pack						12/14/90	RF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587699

DATE 11-29-90

TESTER J21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.88	2.39	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.16	2.26	2.39	2.75	
PULL #3	2.45	2.29	2.50	2.89	
PULL #4	2.46	2.32	2.46	2.95	
PULL #5	2.35	2.30	2.47	2.65	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.38		
PULL #2	3.40	3.38		
PULL #3	3.46	3.39		
PULL #4	3.43	3.40		
PULL #5	3.49	3.34		
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	4.31		4.31
PULL #2	4.39	4.28		4.37
PULL #3	4.30	4.33		4.33
PULL #4	4.25	4.30		4.27
PULL #5	4.18	4.46		4.18
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587699
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.355304
1 TO	2	.627921
1 TO	3	.581416
1 TO	4	.188308
1 TO	5	.316639

4
3
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1148
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0442
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123815

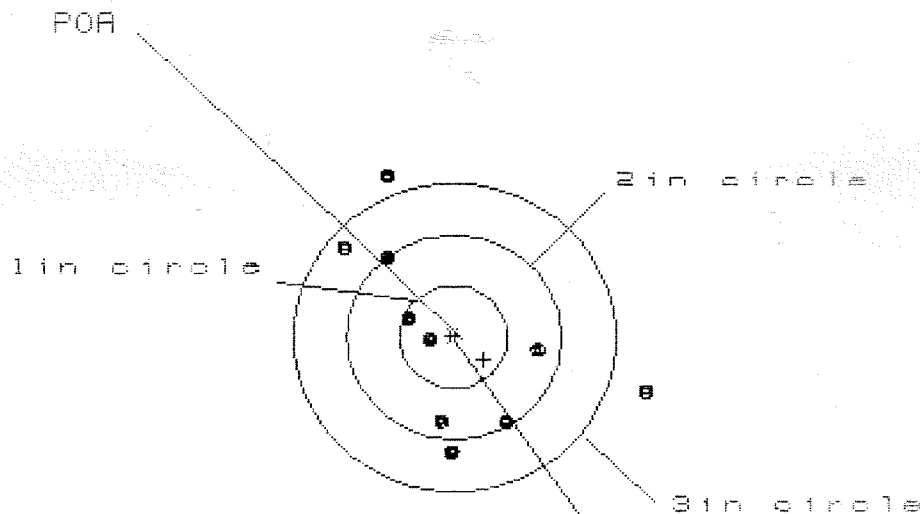
THE AMR FOR THIS RIFLE IS: .9972

5 Dec 1999

FILE:/PATTERNING/CENTERFIRE_PATT/06225351

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.775

VS= 2.649

GS= 3.178

CENTROID #

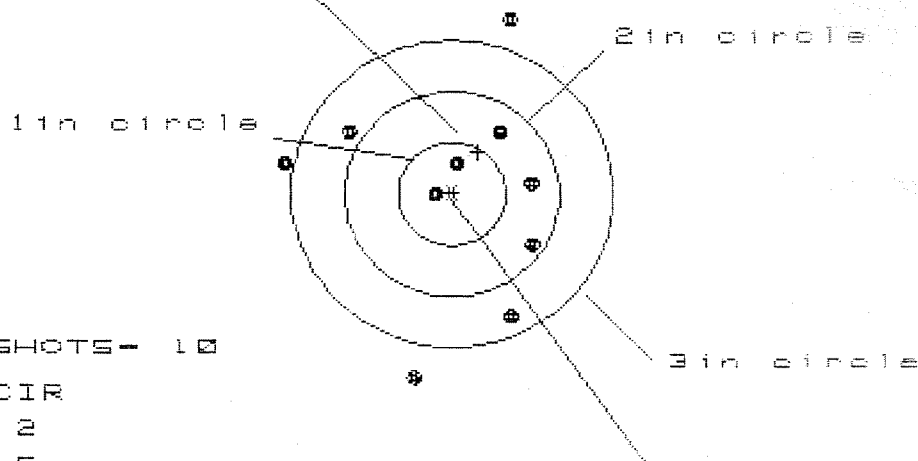
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.766	.939	.888
MINIMUM X	-1.009	-.813	-.864
MAXIMUM Y	1.570	1.509	.996
MINIMUM Y	-1.079	-1.140	-.951
CENTROID X	-.279	-.475	-.424
CENTROID Y	.220	.281	.092
POA TO CENTROID in.	.355	.552	.434
MIN RADIUS	.241	.118	.119
MEAN RADIUS	1.014	.889	.790
MAX RADIUS	1.849	1.563	1.318
HORIZONTAL SPREAD	2.775	1.752	1.752
VERTICAL SPREAD	2.649	2.649	1.947
EXTREME SPREAD	3.178	2.717	2.267
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225351

CENTERFIRE PATTERNS # 2

FOR



+ OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.304

VS= 3.497

GS= 3.618

CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.768	.727	.792
MINIMUM X	:	-1.536	-1.577	-1.512
MAXIMUM Y	:	1.676	1.474	.559
MINIMUM Y	:	-1.821	-1.407	-1.223
CENTROID X	:	-.245	-.204	-.269
CENTROID Y	:	-.407	-.205	-.389
FOR TO CENTROID in.	:	.475	.289	.473
MIN RADIUS	:	.174	.096	.154
MEAN RADIUS	:	1.053	.934	.861
MAX RADIUS	:	1.857	1.580	1.538
HORIZONTAL SPREAD	:	2.304	2.304	2.304
VERTICAL SPREAD	:	3.497	2.881	1.782
EXTREME SPREAD	:	3.618	2.881	2.593
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6225351

CENTERFIRE PATTERNS

3

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in - 9

HS= 3.235

VS= 2.255

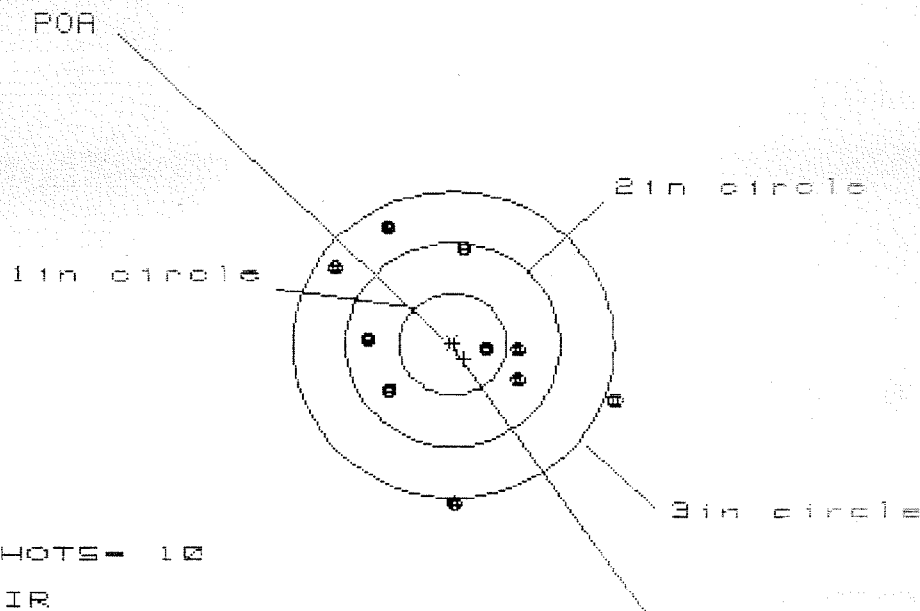
GS= 3.295

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.866	1.183	1.136
MINIMUM X	:	-1.369	-1.162	-1.209
MAXIMUM Y	:	1.311	1.279	.722
MINIMUM Y	:	-.944	-.976	-.816
CENTROID X	:	.052	-.155	-.108
CENTROID Y	:	-.258	-.226	-.386
POB TO CENTROID in.	:	.263	.274	.481
MIN RADIUS	:	.060	.190	.149
MEAN RADIUS	:	.940	.836	.748
MAX RADIUS	:	1.888	1.333	1.296
HORIZONTAL SPREAD	:	3.235	2.345	2.345
VERTICAL SPREAD	:	2.255	2.255	1.538
EXTREME SPREAD	:	3.295	2.473	2.473
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06225351

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 3

HS= 2.552

VS= 2.664

GS= 2.900

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.478	.740	.758
MINIMUM X	:	-1.075	-.910	-.892
MAXIMUM Y	:	1.133	1.069	.870
MINIMUM Y	:	-1.531	-1.595	-.661
CENTROID X	:	-.105	-.270	-.288
CENTROID Y	:	.148	.212	.411
POA TO CENTROID in.	:	.182	.343	.502
MIN RADIUS	:	.304	.476	.564
MEAN RADIUS	:	.970	.903	.811
MAX RADIUS	:	1.586	1.601	1.042
HORIZONTAL SPREAD	:	2.552	1.650	1.650
VERTICAL SPREAD	:	2.664	2.664	1.531
EXTREME SPREAD	:	2.900	2.722	2.004
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			3	

3 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08225351

CENTERFIRE PATTERNS # 5

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.795

VS = 1.831

GS = 3.341

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.663	1.340	1.222
MINIMUM X	:	-1.132	-.948	-.965
MAXIMUM Y	:	1.065	1.123	1.042
MINIMUM Y	:	-.766	-.647	-.579
CENTROID X	:	.003	-.181	-.063
CENTROID Y	:	.076	-.043	.038
POA TO CENTROID in.	:	.076	.186	.074
MIN RADIUS	:	.497	.332	.437
MEAN RADIUS	:	1.009	.858	.833
MAX RADIUS	:	1.975	1.378	1.245
HORIZONTAL SPREAD	:	2.795	2.288	2.187
VERTICAL SPREAD	:	1.831	1.770	1.521
EXTREME SPREAD	:	3.341	2.485	2.268
NUMBER IN ONE INCH CIRCLE	=	1	5	8
NUMBER IN TWO INCH CIRCLE	=	5	5	8
NUMBER IN THREE INCH CIRCLE	=	9	9	8