

C6611648

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.



Smith

Repair Inquiry

Repair Number: RE00092560

Serial: C6611648 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair:

Status:

Closed 2/7/2005 8:19:39 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

City: ANNISTON

PO Box:

ANNISTON

PO Box:

State: AL

Zip Code: 36201 4199

Country: US

State: AL

Zip Code: 36201 4199

Country: US

FFL

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

Inqletj

2/7/2005

10:20 AM

CAPS

NUM

INS

S.F.L

start

3

2

2

CF

Serial Number: C6611648

Model: M24 SWS



RE00092560

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611648.___0

FILE DATE AND TIME: 04/19/2005 06:38

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.004
The Average Y Centroid of the Five Target Set:	0.082
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.918
The Distance from POA to Centroid Target #1:	0.012
The Distance from Centroid Target #2 to Centroid Target #1:	0.155
The Distance from Centroid Target #3 to Centroid Target #1:	0.338
The Distance from Centroid Target #4 to Centroid Target #1:	0.145
The Distance from Centroid Target #5 to Centroid Target #1:	0.619

BARBER - M24 0080164

SERIAL NUMBER: C6611648. __0

TARGET NUMBER: 1

FILE DATE: 04/19/2005

FILE TIME: 06:38

POINT#	X	Y
1:	0.773	-0.056
2:	0.864	0.246
3:	0.438	0.149
4:	-0.145	-0.123
5:	-0.785	-0.381
6:	-0.482	0.126
7:	-0.677	0.345
8:	-0.536	0.750
9:	0.633	0.144
10:	-0.056	-1.079

X CENTROID: 0.003

Y CENTROID: 0.012

POA TO CENTROID: 0.012

HORZ SPREAD: 1.649

VERT SPREAD: 1.829

GROUP SPREAD: 1.891

MIN RADIUS: 0.200

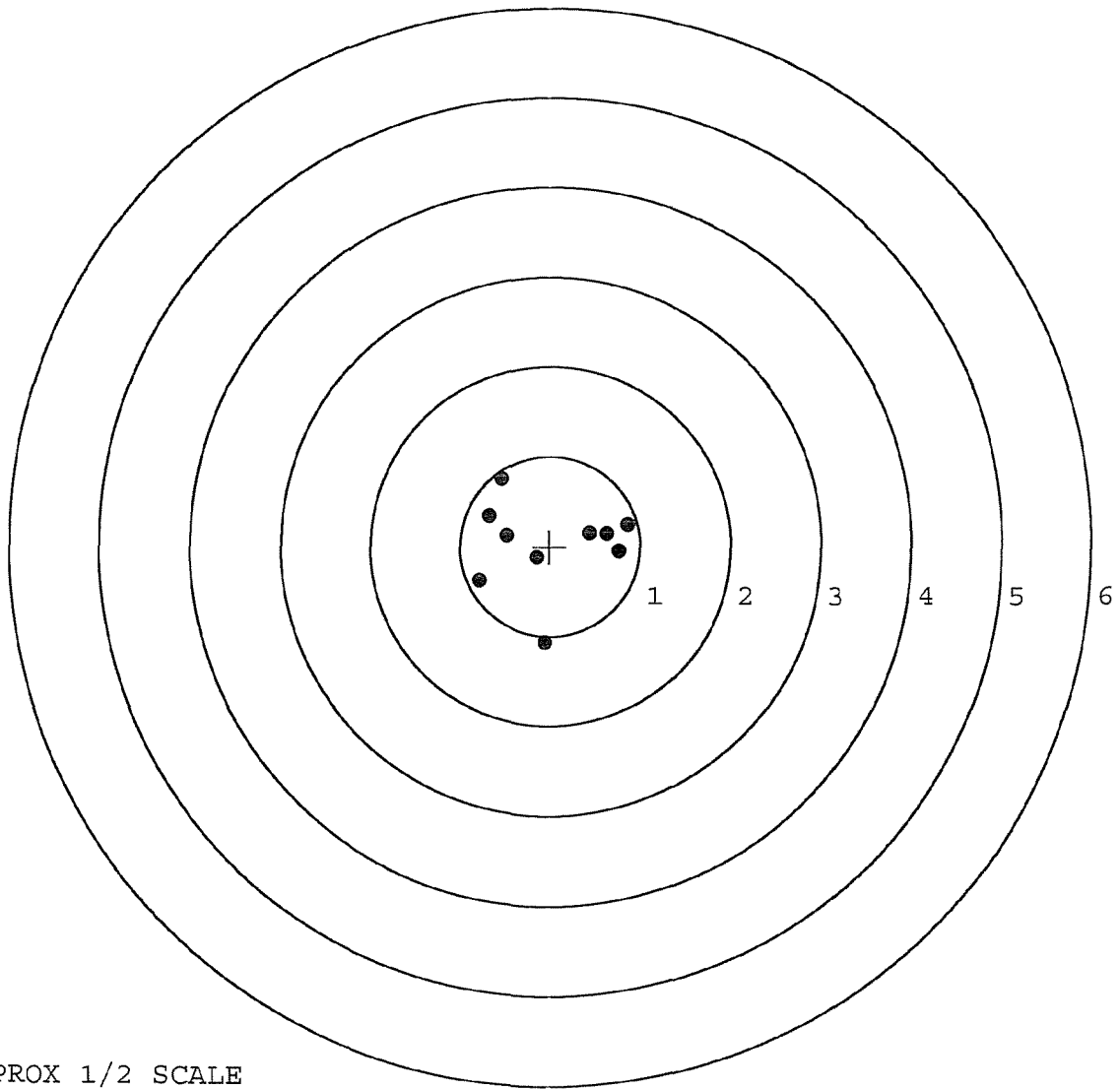
MAX RADIUS: 1.093

MEAN RADIUS: 0.711

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0080165

SERIAL NUMBER: C6611648. 0

TARGET NUMBER: 2

FILE DATE: 04/19/2005

FILE TIME: 06:38

X CENTROID: -0.108

Y CENTROID: -0.097

POA TO CENTROID: 0.145

HORZ SPREAD: 1.494

VERT SPREAD: 3.539

GROUP SPREAD: 3.549

MIN RADIUS: 0.197

MAX RADIUS: 1.911

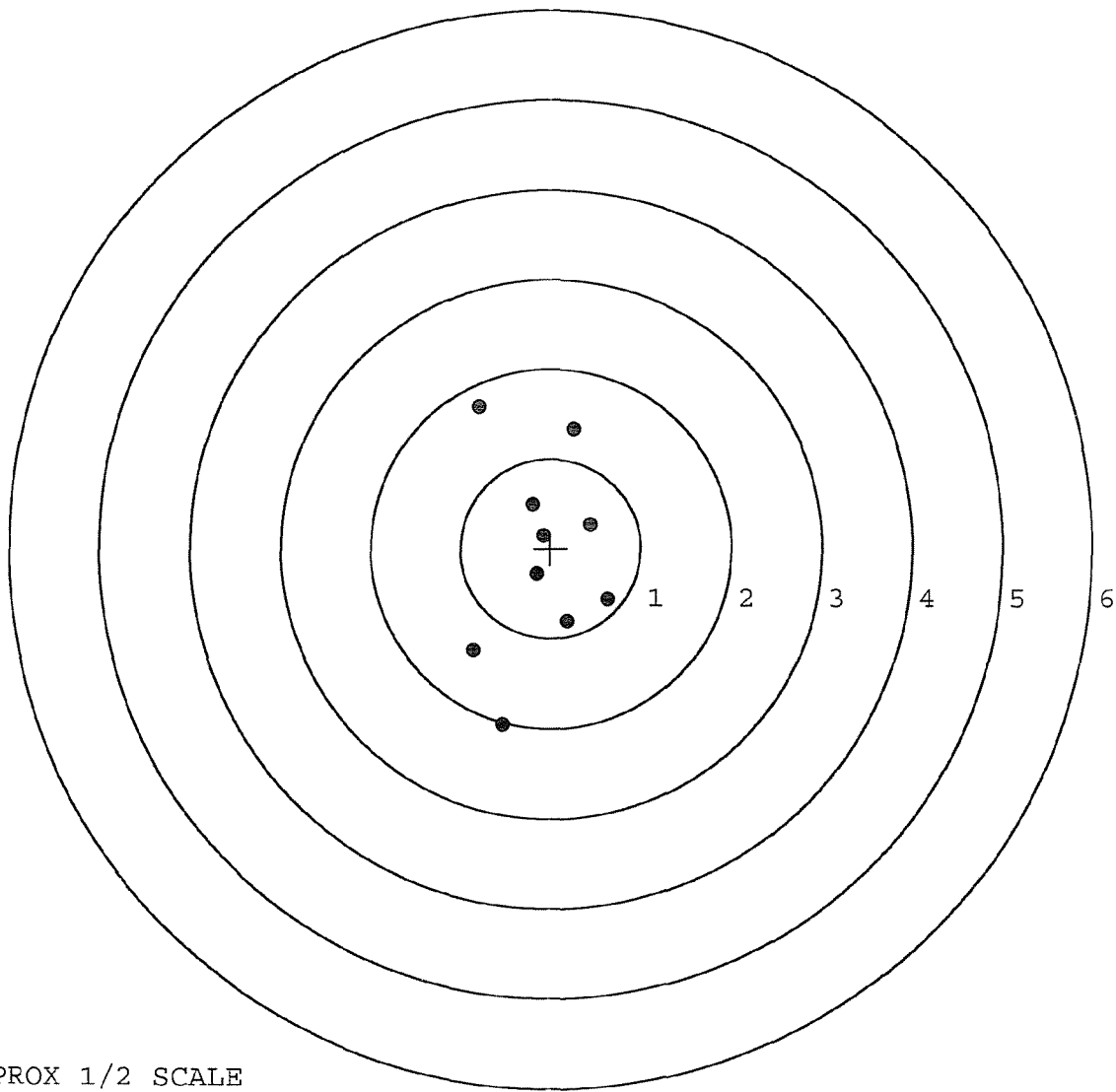
MEAN RADIUS: 0.983

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.637	-0.572
2:	0.189	-0.815
3:	-0.152	-0.289
4:	-0.077	0.141
5:	-0.195	0.490
6:	0.442	0.270
7:	0.259	1.329
8:	-0.799	1.578
9:	-0.528	-1.961
10:	-0.857	-1.141



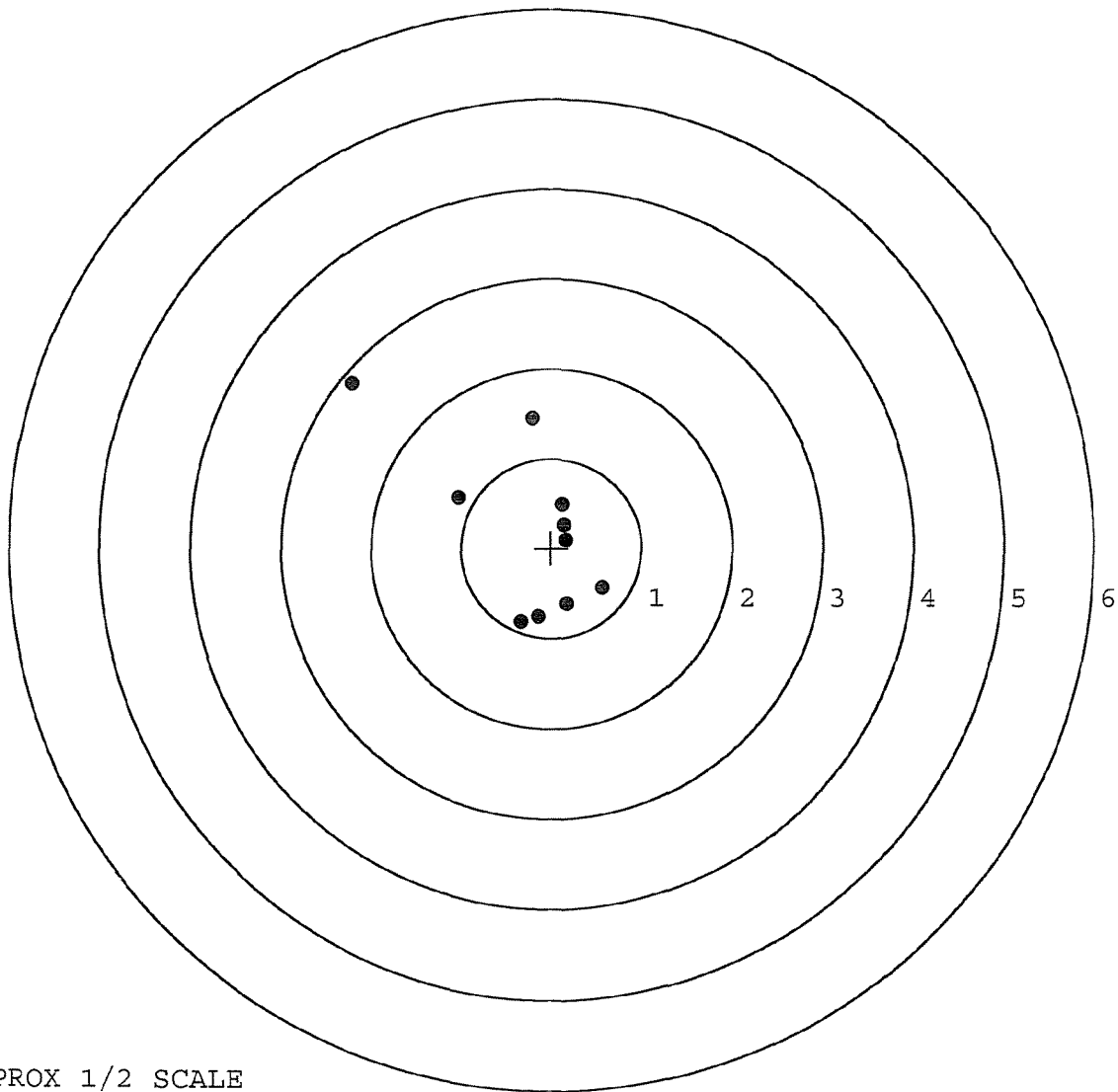
TARGET APPROX 1/2 SCALE

BARBER - M24 0080166

SERIAL NUMBER: C6611648. 0
 TARGET NUMBER: 3
 FILE DATE: 04/19/2005
 FILE TIME: 06:38

X CENTROID: -0.275
 Y CENTROID: 0.205
 POA TO CENTROID: 0.343
 HORZ SPREAD: 2.788
 VERT SPREAD: 2.665
 GROUP SPREAD: 3.605
 MIN RADIUS: 0.423
 MAX RADIUS: 2.539
 MEAN RADIUS: 1.002
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.144	-0.770
2:	-0.334	-0.823
3:	0.179	-0.624
4:	0.573	-0.444
5:	0.162	0.092
6:	0.145	0.258
7:	0.125	0.492
8:	-1.030	0.572
9:	-0.211	1.452
10:	-2.215	1.842



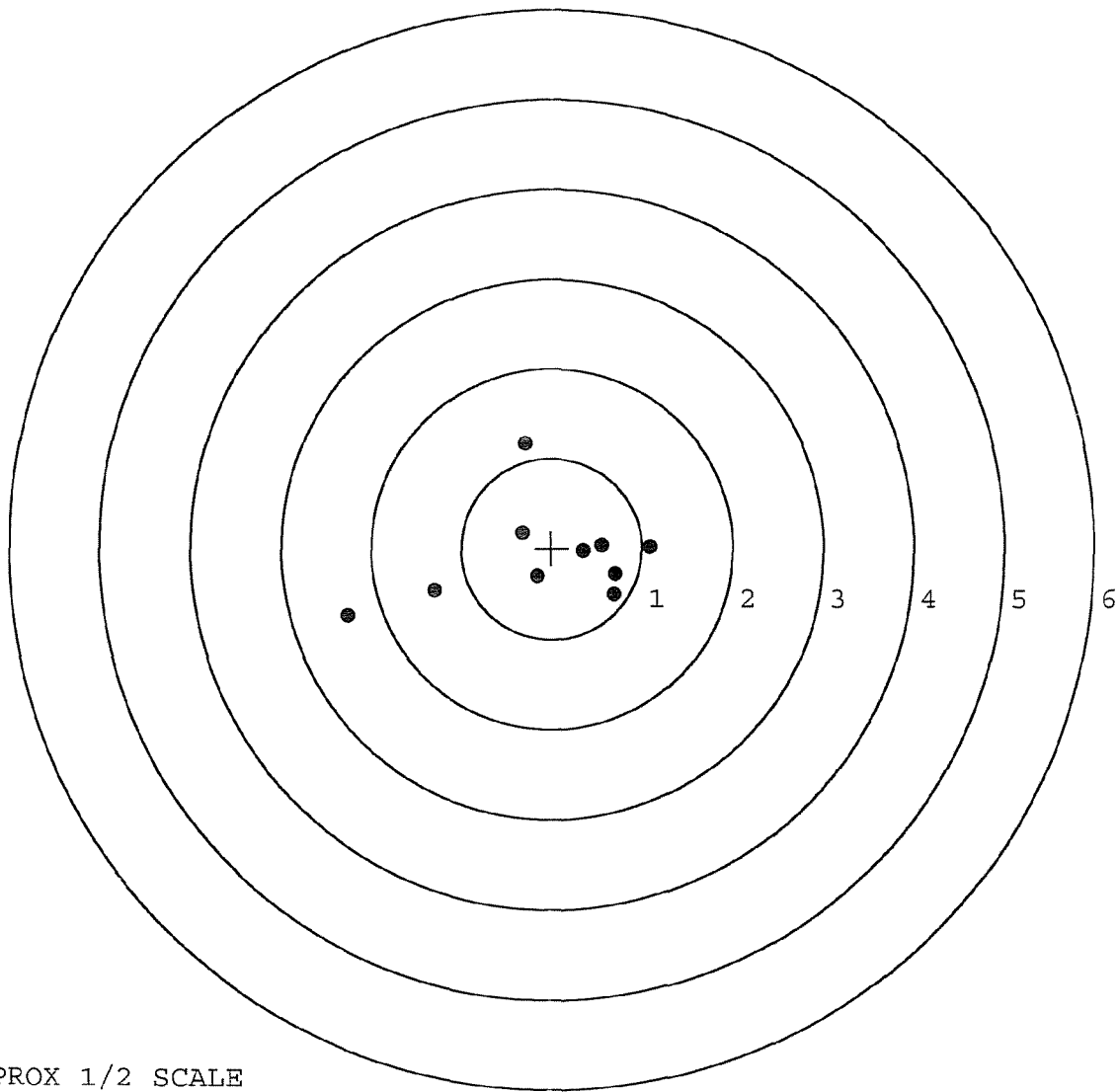
TARGET APPROX 1/2 SCALE

BARBER - M24 0080167

SERIAL NUMBER: C6611648. 0
 TARGET NUMBER: 4
 FILE DATE: 04/19/2005
 FILE TIME: 06:38

X CENTROID: -0.094
 Y CENTROID: -0.097
 POA TO CENTROID: 0.135
 HORZ SPREAD: 3.353
 VERT SPREAD: 1.910
 GROUP SPREAD: 3.438
 MIN RADIUS: 0.226
 MAX RADIUS: 2.266
 MEAN RADIUS: 0.940
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.695	-0.510
2:	0.712	-0.284
3:	1.088	0.016
4:	0.555	0.037
5:	0.352	-0.033
6:	-0.158	-0.313
7:	-0.325	0.172
8:	-0.295	1.164
9:	-1.298	-0.468
10:	-2.265	-0.746



TARGET APPROX 1/2 SCALE

BARBER - M24 0080168

SERIAL NUMBER: C6611648. __0

TARGET NUMBER: 5

FILE DATE: 04/19/2005

FILE TIME: 06:38

POINT#	X	Y
1:	1.009	-0.525
2:	-0.165	-1.021
3:	-0.348	-0.198
4:	-0.301	0.084
5:	0.289	0.073
6:	0.664	0.226
7:	0.412	0.423
8:	1.258	1.288
9:	1.687	1.764
10:	0.463	1.730

X CENTROID: 0.497

Y CENTROID: 0.384

POA TO CENTROID: 0.628

HORZ SPREAD: 2.035

VERT SPREAD: 2.785

GROUP SPREAD: 3.345

MIN RADIUS: 0.093

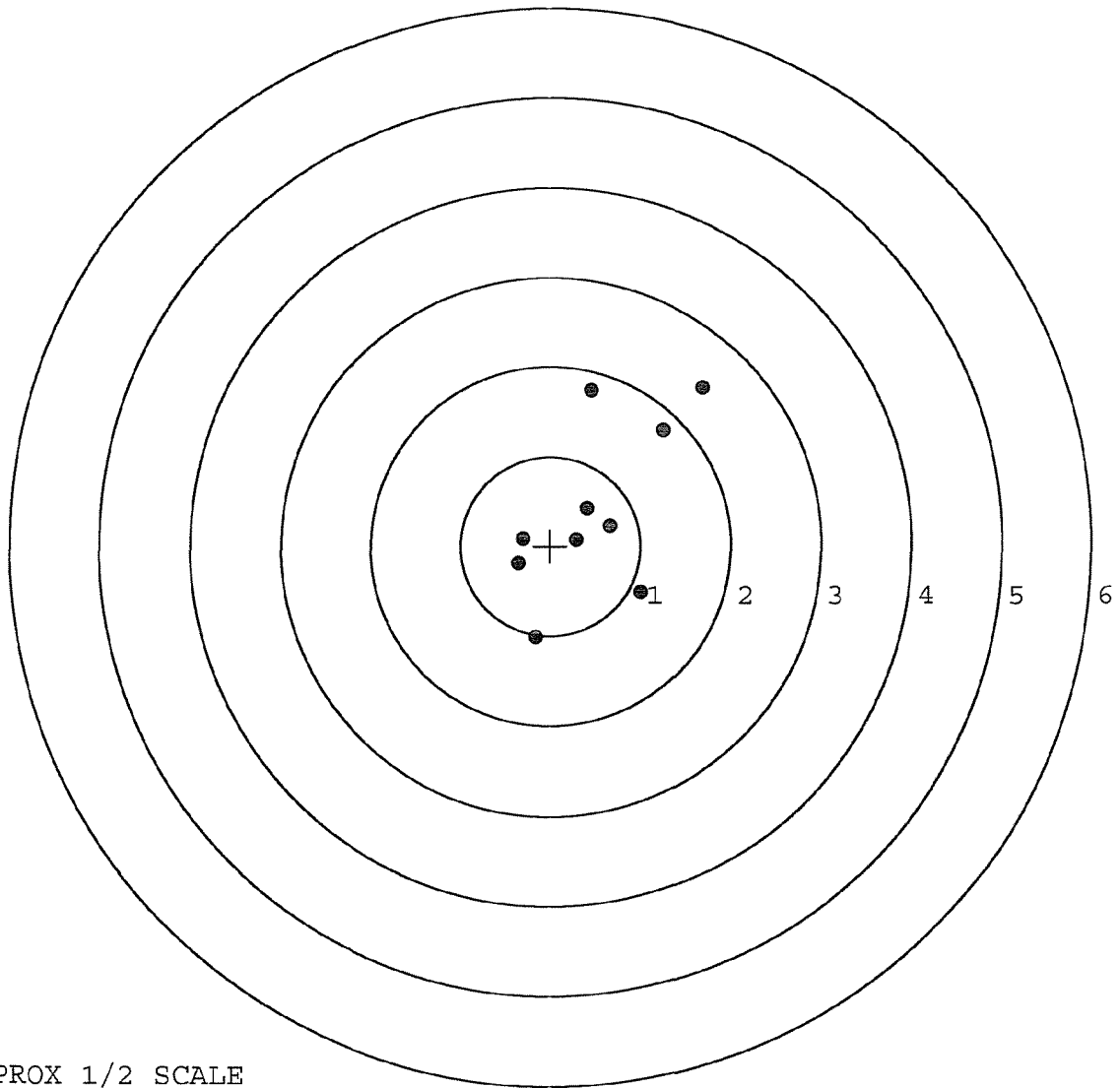
MAX RADIUS: 1.822

MEAN RADIUS: 0.952

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

R & E NUMBER	92568		
SERIAL NUMBER	C6611648		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-15-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	RTZ
605	CHECK HEADSPACE	3-21-05	RTZ
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	RTZ
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29	RTZ
620	APPLY COATINGS	4-5	RTZ
625 A	FINAL ASSEMBLY	4-15-05	RTZ
B	TRIGGER PULL TEST	4-20-05	RTZ
C	SAFETY "ON" FORCE	4-20-05	RTZ
D	SAFETY "OFF" FORCE	4-20-05	RTZ
E	FIRING PIN INDENT	4-20-05	RTZ
640	TARGET	4-18-05	TRW
655	FINAL INSPECT	4-20-05	RTZ
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	




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

MODEL 700 TM M24	SERIAL NO. C6611648
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Depo��e.	ORDER NO. 5716



5716 C6611648

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611648

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 16	91	RW
600	Proof	1 18	91	RW
607	Check Headspace	1 18	91	RW
610	Dis-assemble Gun	1 18	91	RW
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt	1 18	91	KR
615	Rollmark Caliber	1 24	91	LS
617	Drill and Tap Sight Holes	1 24	91	LB
618	Polish Barrel	1 24	91	LB
620	Apply Coatings (Barrel Action)		2-15-91	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	RW
	C) Inspect Ejector Hole for Chamfer		2/18/91	RW
	D) Oil Firing Pin Ass'y		2/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-21-91	174

op. #	BARBER M24 0080172	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			2-22-91	DH
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			2-22-91	DH
	H) Trigger Pull Test & Retainability							T
	I) Firing Pin Indent	.0205	.0205	.0205			2-22-91	DH
	J) Assemble Stock						2/28/91	RW
	K) Assemble Swivel Studs						3/2/91	WB
	L) Attach Front and Rear Sight Assemblies						2/28/91	RW
	M) Iron Sight Alignment						2/28/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/91	RW
	O) Attach Scope to Rifle						2/28/91	RW
	P) Detach & Attach Scope 20 Times						2/28/91	RW
640	Gallery Target & Test						3-1-91	DH
	A) Time						3-1-91	DH
	B) Malfunctions						3-1-91	DH
	C) Pierced Primers						3-1-91	DH
	D) Optical Clarity of Scope						3-1-91	DH
645	Inspect for Live Ammo						3-1-91	DH
655	Final Inspection							
	A) Headspace						3/2/91	WB
	B) Trigger Pull	2.51	2.52	2.54	2.58	2.59	3/2/91	JH
	C) Function						3/2/91	WB
660	Pack						3/4/91	WB

SERIAL NO.

DATE _____

TESTER 09/08/17
J. J. J. J. J.

01 29022 115:1A 10

COMMENTS

TING	RESET TO 4# FOR
THAN 4#	TARGET & ACCURACY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 00611612
1 Mar 1991

CENTROIDAL DISTANCES

1 TO	1	.14120
1 TO	2	.136473
1 TO	3	.149054
1 TO	4	.173081
1 TO	5	.22573

4 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0906
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102718
THE AMR FOR THIS RIFLE IS: .8078

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611646

CENTERFIRE PATTERNS

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 3

2 in - 6

3 in - 10

HS - 1.980

VS - 2.339

GS - 2.385

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.948	.884	.863
MINIMUM X	-1.032	-1.096	-1.117
MAXIMUM Y	1.154	.828	.696
MINIMUM Y	-1.185	-1.056	-.814
CENTROID X	.118	.182	.203
CENTROID Y	.088	-.041	.091
POA TO CENTROID in.	.147	.186	.223
MIN RADIUS	.343	.334	.276
MEAN RADIUS	.818	.744	.703
MAX RADIUS	1.289	1.296	1.250
HORIZONTAL SPREAD	1.980	1.980	1.980
VERTICAL SPREAD	2.339	1.884	1.510
EXTREME SPREAD	2.385	1.982	1.982
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611648

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 9

3 in - 10

HS= 1.768

VS= 2.197

GS= 2.264

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.873	.870	.798
MINIMUM X	:	-.895	-.898	-.970
MAXIMUM Y	:	.772	.614	.650
MINIMUM Y	:	-1.425	-.921	-.844
CENTROID X	:	.098	.101	.173
CENTROID Y	:	.223	.381	.304
POA TO CENTROID in.	:	.243	.394	.350
MIN RADIUS	:	.093	.065	.075
MEAN RADIUS	:	.822	.729	.714
MAX RADIUS	:	1.425	1.001	1.037
HORIZONTAL SPREAD	:	1.768	1.768	1.768
VERTICAL SPREAD	:	2.197	1.535	1.494
EXTREME SPREAD	:	2.264	1.830	1.830
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611648

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 7

3 in - 8

HS= 2.716

VS= 1.901

GS= 2.958

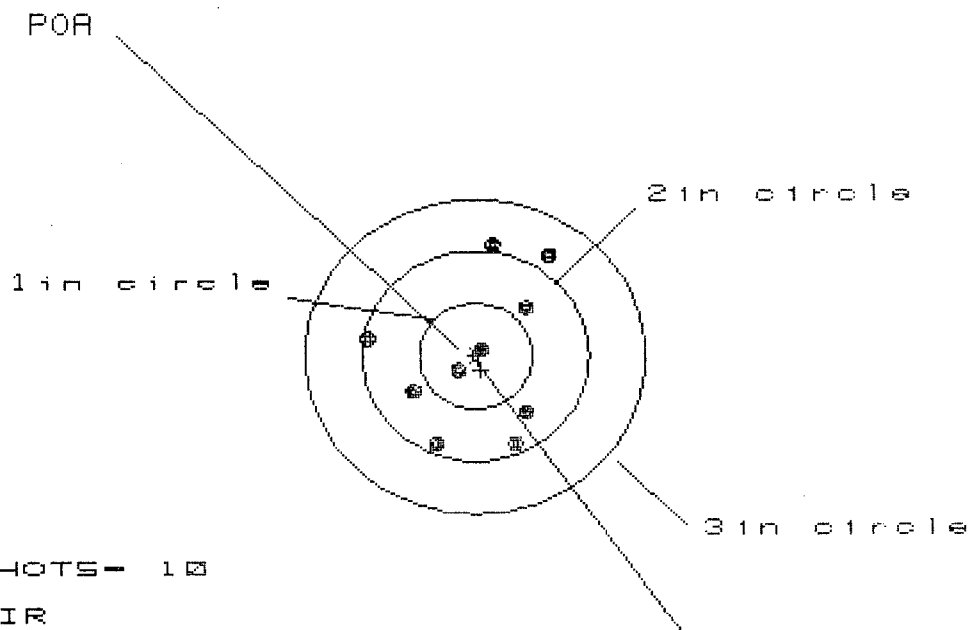
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.834	.746
MINIMUM X	:	-1.694	-.952	-.848
MAXIMUM Y	:	1.177	1.178	1.076
MINIMUM Y	:	-.724	-.723	-.576
CENTROID X	:	.179	.367	.263
CENTROID Y	:	-.048	-.049	-.196
POA TO CENTROID in.	:	.185	.370	.328
MIN RADIUS	:	.408	.357	.238
MEAN RADIUS	:	.972	.864	.770
MAX RADIUS	:	1.694	1.443	1.370
HORIZONTAL SPREAD	:	2.716	1.786	1.594
VERTICAL SPREAD	:	1.901	1.901	1.652
EXTREME SPREAD	:	2.958	2.515	2.189
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611648

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in = 10

HS - 1.641

VS = 1.923

GS = 2.079

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.693	.556	.580
MINIMUM X	:	-.948	-.871	-.847
MAXIMUM Y	:	1.039	1.141	.732
MINIMUM Y	:	-.884	-.782	-.639
CENTROID X	:	-.048	-.125	-.149
CENTROID Y	:	.137	.035	-.107
POA TO CENTROID in.	:	.145	.130	.184
MIN RADIUS	:	.087	.115	.169
MEAN RADIUS	:	.737	.679	.615
MAX RADIUS	:	1.146	1.157	.959
HORIZONTAL SPREAD	:	1.641	1.427	1.427
VERTICAL SPREAD	:	1.923	1.923	1.371
EXTREME SPREAD	:	2.079	1.979	1.644
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11648

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.311

VS= 1.040

GS= 2.322

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	1.116	.992
MINIMUM X	:	-1.120	-.987	-.547
MAXIMUM Y	:	.427	.451	.500
MINIMUM Y	:	-.613	-.589	-.540
CENTROID X	:	-.105	-.238	-.114
CENTROID Y	:	.053	.029	-.020
POA TO CENTROID in.	:	.118	.240	.116
MIN RADIUS	:	.147	.060	.113
MEAN RADIUS	:	.690	.604	.563
MAX RADIUS	:	1.210	1.262	1.130
HORIZONTAL SPREAD	:	2.311	2.103	1.539
VERTICAL SPREAD	:	1.040	1.040	1.040
EXTREME SPREAD	:	2.322	2.322	1.787
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	