

C6349056

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00092548

Serial: C6349056 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 2/7/2005 8:19:05 AM

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

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

naglej

2/7/2005

10:19 AM

CAPS

NUM

INC

SCRL

start

3

2

2

2

Serial Number: C6349056

Model: M24 SWS



RE00092548

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349056.___0
FILE DATE AND TIME: 04/15/2005 08:23

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.046
The Average Y Centroid of the Five Target Set:	-0.150
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.962
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.179
The Distance from Centroid Target #3 to Centroid Target #1:	0.497
The Distance from Centroid Target #4 to Centroid Target #1:	0.359
The Distance from Centroid Target #5 to Centroid Target #1:	0.217

BARBER - M24 0106840

SERIAL NUMBER: C6349056. __0

TARGET NUMBER: 1

FILE DATE: 04/15/2005

FILE TIME: 08:23

POINT#	X	Y
1:	1.798	-0.988
2:	0.785	0.283
3:	-0.070	0.278
4:	0.212	0.793
5:	-0.374	0.818
6:	-1.189	0.466
7:	-1.410	-0.355
8:	-1.693	-0.719
9:	-0.147	-1.085
10:	0.513	-0.667

X CENTROID: -0.157

Y CENTROID: -0.118

POA TO CENTROID: 0.197

HORZ SPREAD: 3.491

VERT SPREAD: 1.903

GROUP SPREAD: 3.501

MIN RADIUS: 0.405

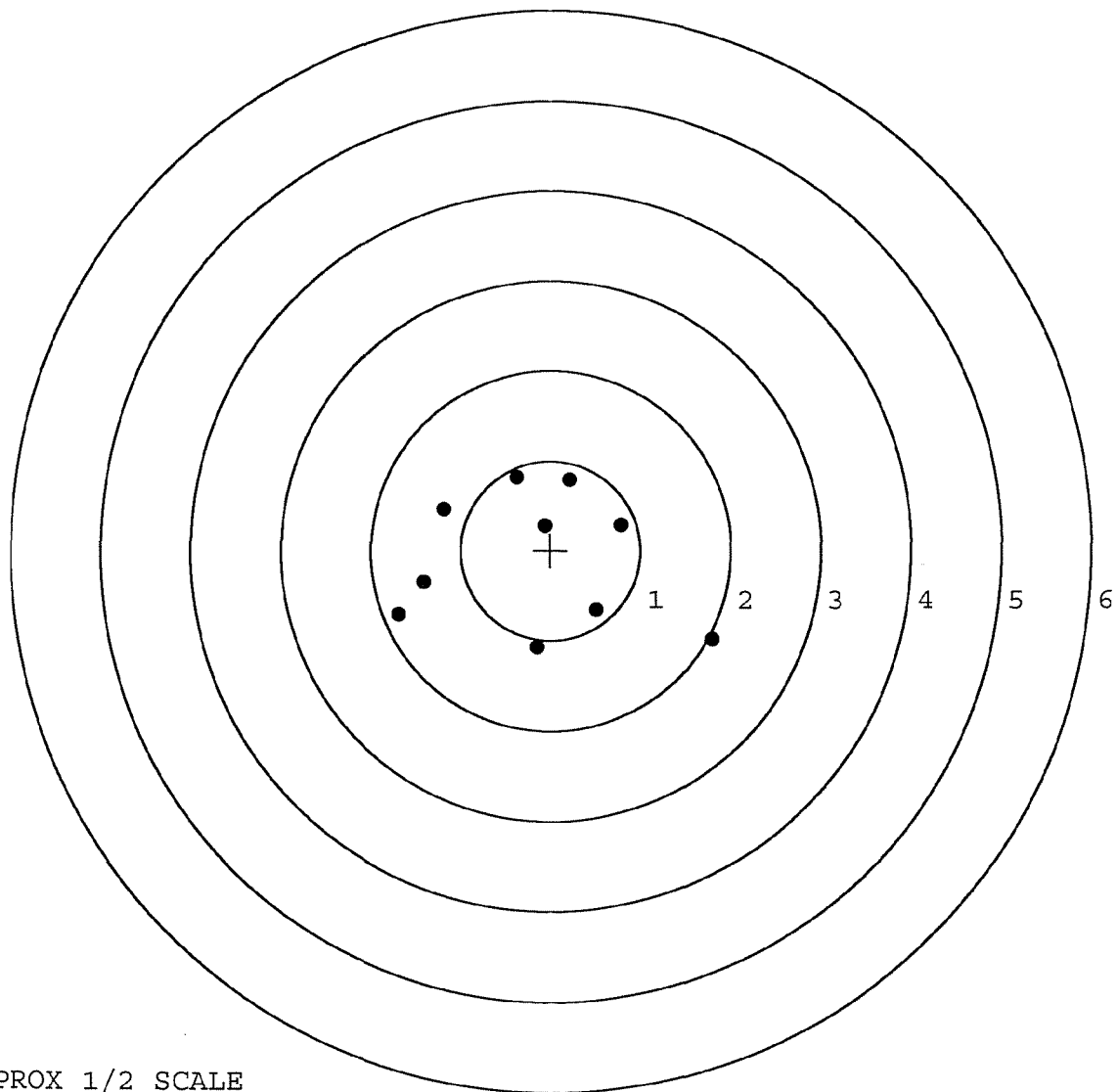
MAX RADIUS: 2.140

MEAN RADIUS: 1.146

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0106841

SERIAL NUMBER: C6349056. __0

TARGET NUMBER: 2

FILE DATE: 04/15/2005

FILE TIME: 08:23

POINT#	X	Y
1:	0.564	-1.307
2:	0.246	-0.782
3:	0.647	-0.411
4:	0.550	0.356
5:	0.960	1.288
6:	-0.294	0.630
7:	-0.296	0.349
8:	-0.457	-0.218
9:	-0.799	-0.244
10:	-1.264	0.239

X CENTROID: -0.014

Y CENTROID: -0.010

POA TO CENTROID: 0.017

HORZ SPREAD: 2.224

VERT SPREAD: 2.595

GROUP SPREAD: 2.625

MIN RADIUS: 0.456

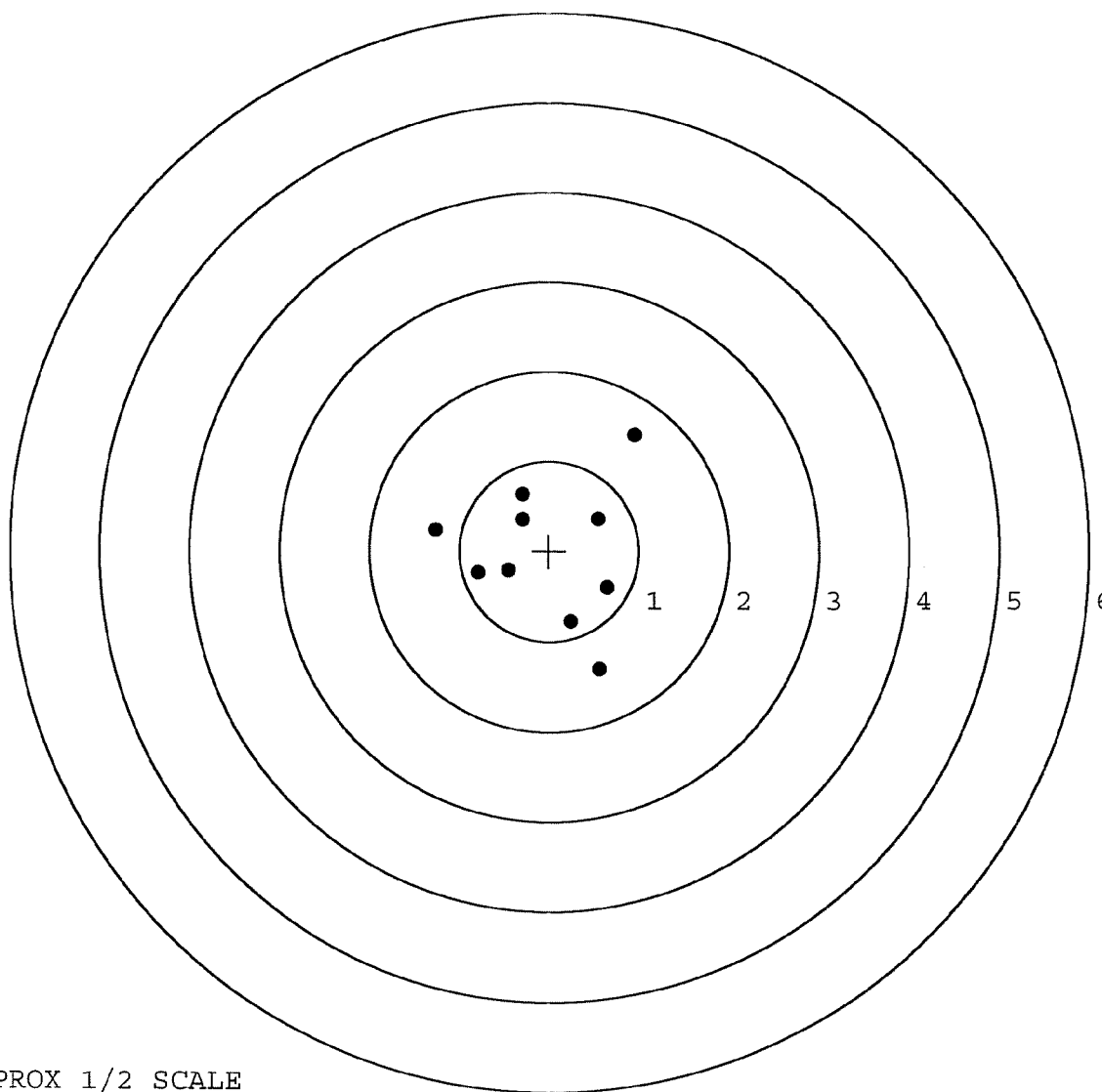
MAX RADIUS: 1.623

MEAN RADIUS: 0.904

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0106842

SERIAL NUMBER: C6349056. __0

TARGET NUMBER: 3

FILE DATE: 04/15/2005

FILE TIME: 08:23

POINT#	X	Y
1:	2.375	-1.382
2:	2.100	-0.303
3:	0.882	-0.585
4:	-0.068	-1.402
5:	-0.758	0.751
6:	0.220	0.413
7:	-0.030	0.269
8:	-0.247	0.218
9:	-0.493	0.162
10:	-0.623	0.072

X CENTROID: 0.336

Y CENTROID: -0.179

POA TO CENTROID: 0.380

HORZ SPREAD: 3.133

VERT SPREAD: 2.153

GROUP SPREAD: 3.790

MIN RADIUS: 0.578

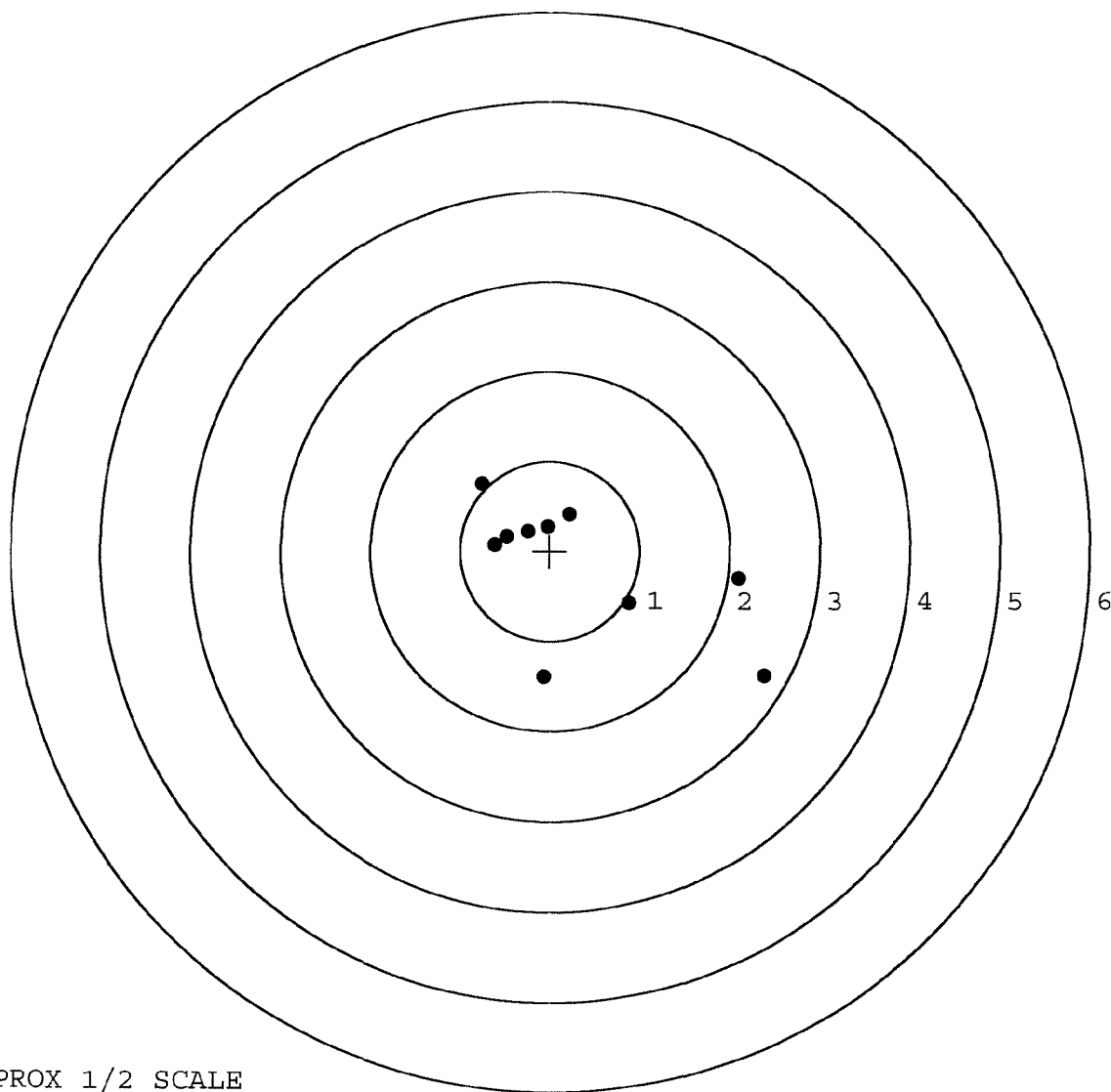
MAX RADIUS: 2.368

MEAN RADIUS: 1.131

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0106843

SERIAL NUMBER: C6349056. __0

TARGET NUMBER: 4

FILE DATE: 04/15/2005

FILE TIME: 08:23

POINT#	X	Y
1:	0.516	-2.351
2:	-0.400	-1.162
3:	-0.377	-0.991
4:	1.124	-0.558
5:	0.965	-0.416
6:	0.510	0.306
7:	-0.526	-0.405
8:	-0.422	0.113
9:	-0.759	0.311
10:	-0.355	0.899

X CENTROID: 0.028

Y CENTROID: -0.425

POA TO CENTROID: 0.426

HORZ SPREAD: 1.883

VERT SPREAD: 3.250

GROUP SPREAD: 3.365

MIN RADIUS: 0.554

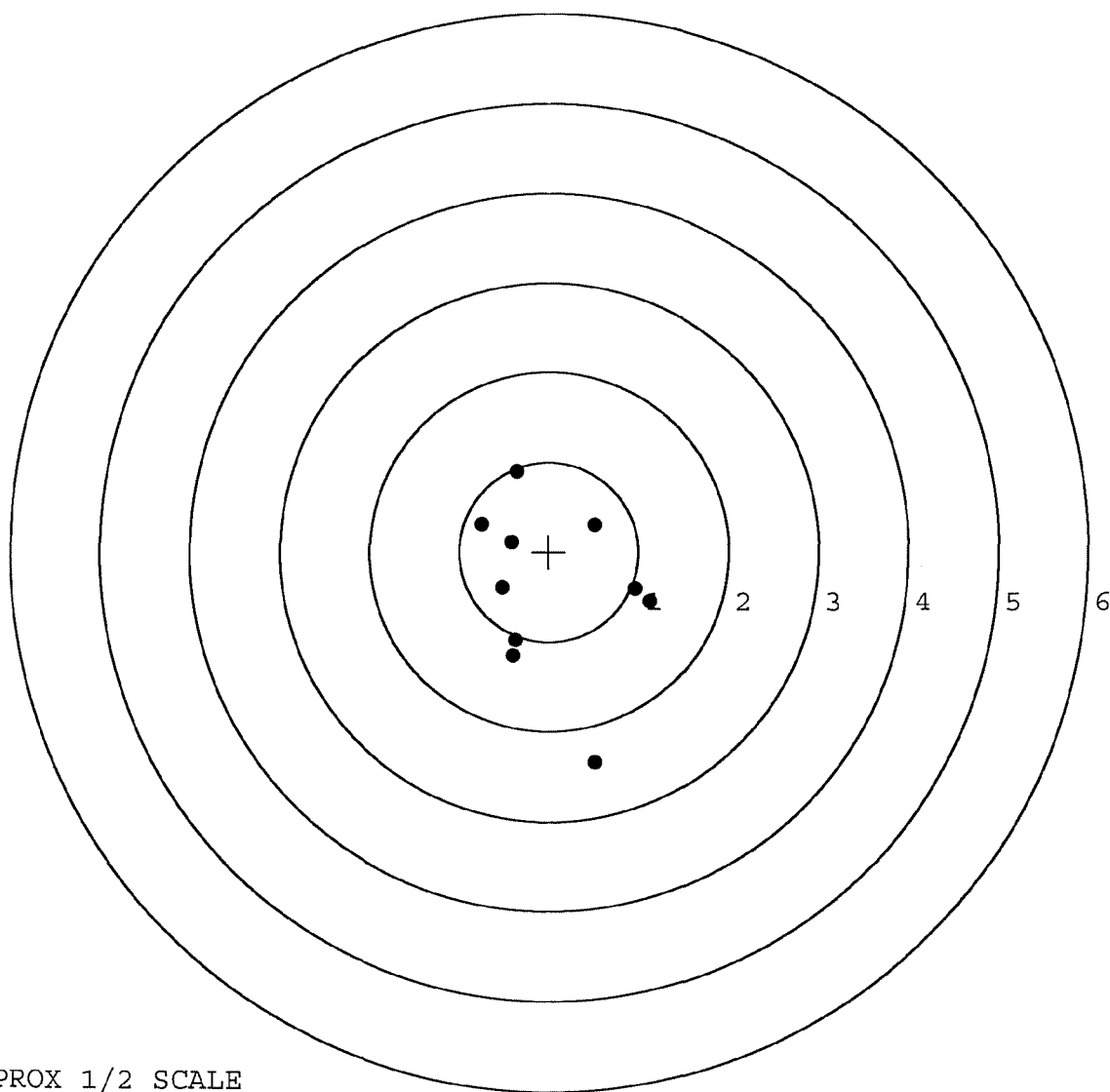
MAX RADIUS: 1.987

MEAN RADIUS: 1.016

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0106844

SERIAL NUMBER: C6349056. 0

TARGET NUMBER: 5

FILE DATE: 04/15/2005

FILE TIME: 08:23

POINT#	X	Y
1:	1.000	0.508
2:	0.504	0.481
3:	-0.318	0.726
4:	0.436	-0.145
5:	0.177	-0.124
6:	0.073	0.222
7:	-0.163	0.047
8:	-0.252	-0.084
9:	-0.369	-0.263
10:	-0.728	-1.557

X CENTROID: 0.036

Y CENTROID: -0.019

POA TO CENTROID: 0.041

HORZ SPREAD: 1.728

VERT SPREAD: 2.283

GROUP SPREAD: 2.693

MIN RADIUS: 0.176

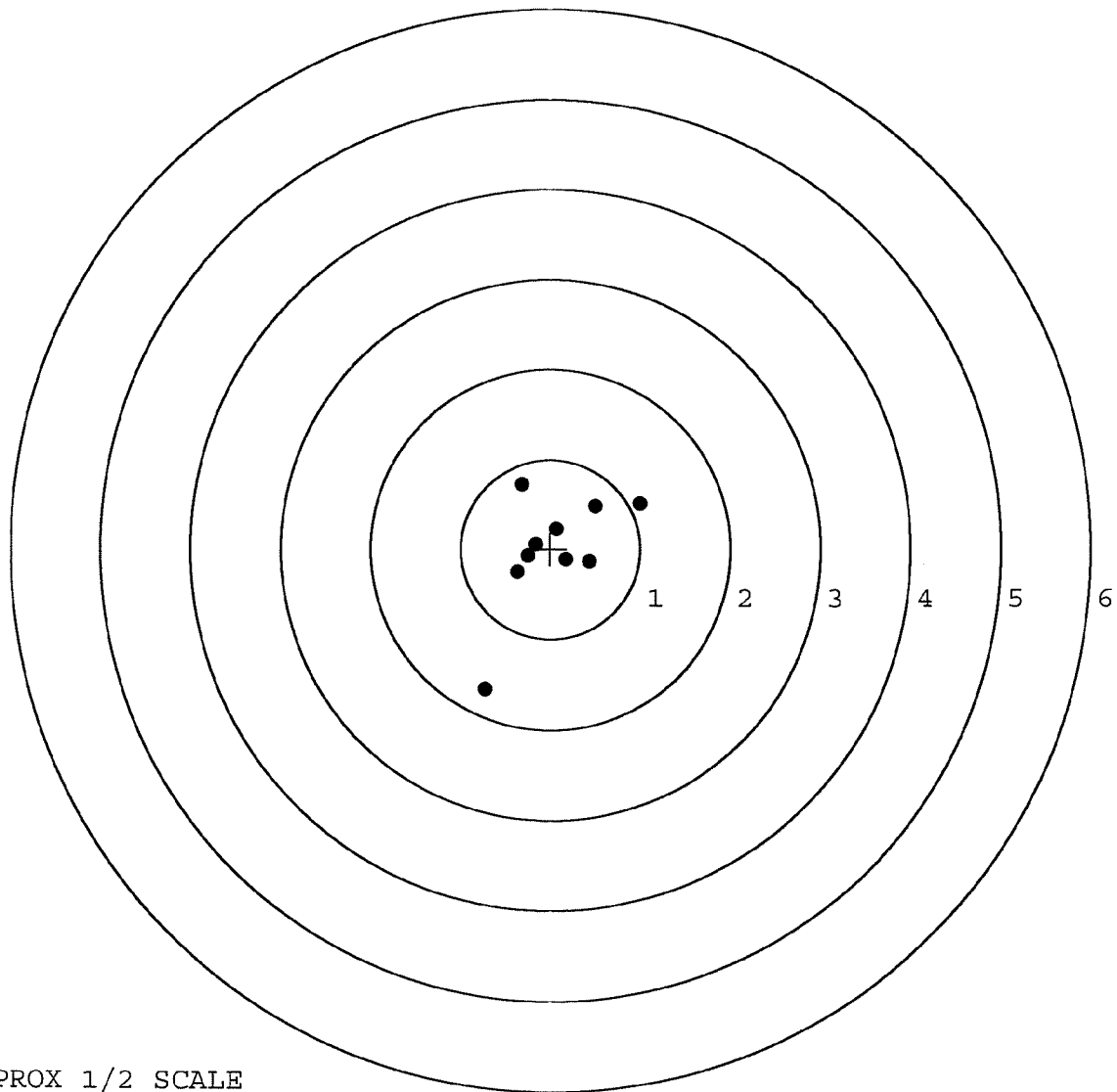
MAX RADIUS: 1.717

MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	92548		
SERIAL NUMBER	C6349056		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-18-05	AC
605	CHECK HEADSPACE	3-18-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX	3-23-05	CW
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29-05	HP
620	APPLY COATINGS	4-13-05	RTL
625 A	FINAL ASSEMBLY	4-13-05	RTL
B	TRIGGER PULL TEST	4-19-05	AC
C	SAFETY "ON" FORCE	4-19-05	AC
D	SAFETY "OFF" FORCE	4-19-05	AC
E	FIRING PIN INDENT	4-19-05	AC
640	TARGET	4-15-05	AC
655	FINAL INSPECT	4-19-05	AC
660	PACK	4-20-05	RA
		SHIP DATE	
QAR INSPECTION DATE			



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

MODEL 700TM M24

01

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

SERIAL NO.
C6349056

ORDER NO.
5716



5716 C6349056

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349056

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	A
607	Check Headspace	1 12	90	A
610	Dis-assemble Gun	2 37	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1-17-90	GS
617	Drill and Tap Sight Holes		1-19-90	LB
618	Polish Barrel RB		1-27-90	WB
620	Apply Coatings (Barrel Action)		2-5-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		2/2/90	WB
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/90	RW
	C) Inspect Ejector Hole for Chamfer		2/6/90	RW
	D) Oil Firing Pin Ass'y		2/6/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-7-90	M

op. #	UP. NAME BARBER M24 0106848	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			7/8/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			7/8/90	WB
	H) Trigger Pull Test & Retainability						2-7-90	JH
	I) Firing Pin Indent	.0235	.0232	.0225			7/8/90	WB
	J) Assemble Stock						4/18/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/18/90	RW
	M) Iron Sight Alignment						4/18/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/18/90	RW
	O) Attach Scope to Rifle						4/18/90	WB
	P) Detach & Attach Scope 20 Times						4/18/90	WB
640	Gallery Target & Test						4-19-90	D/H
	A) Time						4-19-90	D/H
	B) Malfunctions						4-19-90	D/H
	C) Pierced Primers						4-19-90	D/H
	D) Optical Clarity of Scope						4-19-90	D/H
645	Inspect for Live Ammo						4-19-90	D/H
655	Final Inspection						4/30/90	WB
	A) Headspace							
	B) Trigger Pull	2.54	2.51	2.56	2.41	2.27	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-9-90	D/H

4/19/90

MOD. _____ GA. CAL. _____ GUN # _____

C6349056 ASSEM. # _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
<i>DH</i>	1st	<i>shave brass</i>	
	2nd		
	3rd		
	4th		

FUNCTION _____

RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Ream Ejector hole Polish Ejector	RW
TEST		4
TGT		25/90
PROOF	25/90 OK	DH
TEST		4/25/90
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349056

DATE 4/16/90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.41	2.45	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.36	2.46	2.51	
PULL #3	2.52	2.49	2.49	2.56	
PULL #4	2.49	2.42	2.48	2.41	
PULL #5	2.54	2.39	2.44	2.27	
TOTAL	12.62	12.07	12.32		
AVG.	2.51	2.41	2.46		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.24		
PULL #2	3.28	3.04		
PULL #3	3.29	3.02		
PULL #4	3.28	3.00		
PULL #5	3.28	3.03		
TOTAL	16.37	15.33		
AVG.	3.27	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.22		4.14
PULL #2	4.25	4.23		4.19
PULL #3	4.29	4.24		4.19
PULL #4	4.25	4.29		4.21
PULL #5	4.23	4.24		4.20
TOTAL	21.29	21.22		20.93
AVG.	4.25	4.24		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349856
19 Apr 1998

CENTROIDAL DISTANCES

0 TO	1	.0945569
1 TO	2	.470507
1 TO	3	.652396
1 TO	4	.601333
1 TO	5	.322188

43
5
72 <----POA

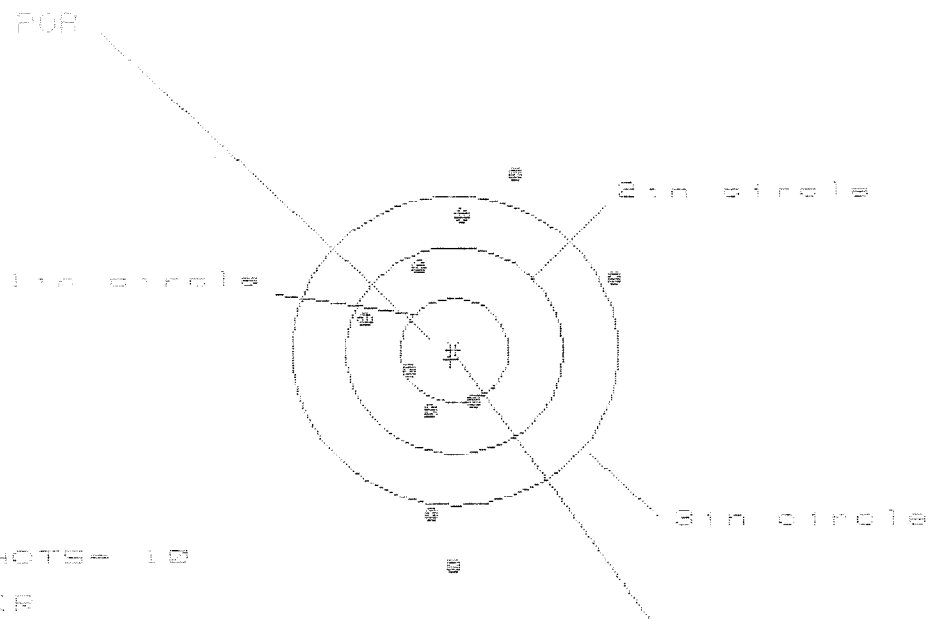
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1418
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3122
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .342894
THE AMR FOR THIS RIFLE IS: 1.149

4-577-9055

FILE:/PATTERNING/CENTERFIRE_PATT/08349056

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HEI = 2.340

VEH = 3.772

GEH = 3.818

CENTROID *

PATTERN #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.471	1.465	1.530
MINIMUM X	-1.869	-1.875	-1.889
MAXIMUM Y	1.698	1.468	1.223
MINIMUM Y	-2.074	-1.783	-1.599
CENTROID X	.029	.035	-.030
CENTROID Y	.090	.320	.136
POR TO CENTROID in.	.094	.322	.140
MT. RADIUS	.486	.611	.451
NEAR RADIUS	1.178	1.078	.983
FD. RADIUS	2.074	1.799	1.681
HORIZONTAL SPREAD	2.340	2.340	2.340
VERTICAL SPREAD	3.772	3.251	2.822
EXTREME SPREAD	3.818	3.341	2.859
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	

7 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349056

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 10

HSE = 2.257

VSE = 2.760

OSE = 2.835

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.151

1.096

1.132

MINIMUM X

-1.106

-1.161

-1.125

MAXIMUM Y

1.346

1.189

.993

MINIMUM Y

-1.414

-1.571

-.979

CENTROID X

.373

.428

.392

CENTROID Y

-.231

-.075

.121

POA TO CENTROID in.

.439

.434

.410

DIS. RADIUS

.386

.140

.096

NEAR RADIUS

1.089

1.021

.919

WAL. RADIUS

1.493

1.597

1.497

HORIZONTAL SPREAD

2.257

2.257

2.257

VERTICAL SPREAD

2.760

2.760

1.972

EXTREME SPREAD

2.835

2.897

2.542

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

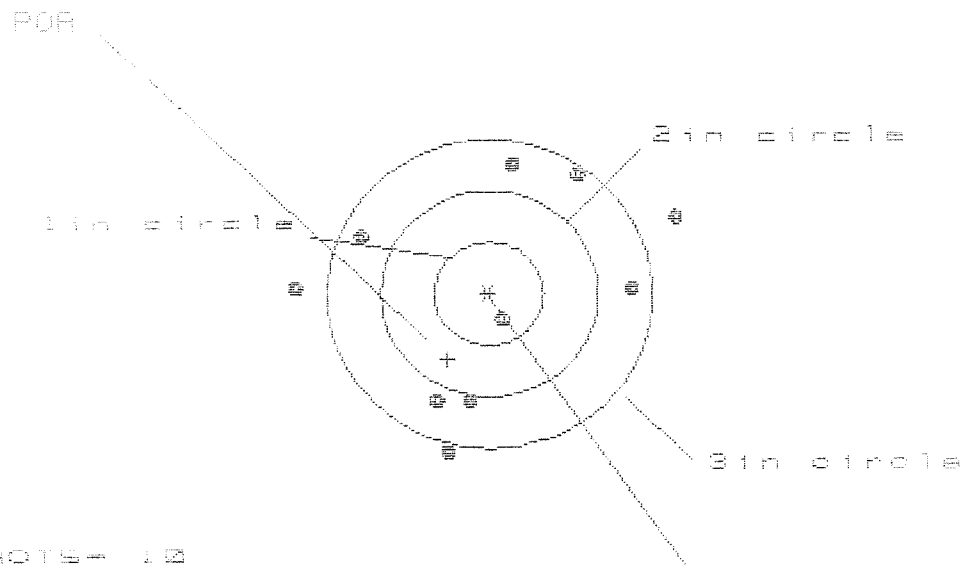
10

15 Apr 1998

FILE: \PATTERNING\CENTERFIRE_PATT\08349006

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 1

3 in = 7

MS = 3.488

SE = 2.861

CS = 3.581

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.724	1.489	1.292
MINIMUM X	-1.768	-1.577	-1.171
MAXIMUM Y	1.275	1.365	1.378
MINIMUM Y	-1.386	-1.496	-1.483
CENTROID X	.383	.192	.389
CENTROID Y	.638	.548	.535
POB TO CENTROID in.	.744	.530	.661
MIN RADIUS	.240	.316	.148
MSR RADIUS	1.295	1.215	1.143
MR RADIUS	1.904	1.580	1.542
HORIZONTAL SPREAD	3.492	3.066	2.463
VERTICAL SPREAD	2.861	2.861	2.861
EXTREME SPREAD	3.581	3.066	2.951
COUNT IN ONE INCH CIRCLE	=	1	
COUNT IN TWO INCH CIRCLE	=	1	
COUNT IN THREE INCH CIRCLE	=	7	

13 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349058

CENTERFIRE PATTERNS

4

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 2

3 in = 6

ME = 3.504

SE = 2.608

GE = 3.865

CENTROID #

PATTERN #

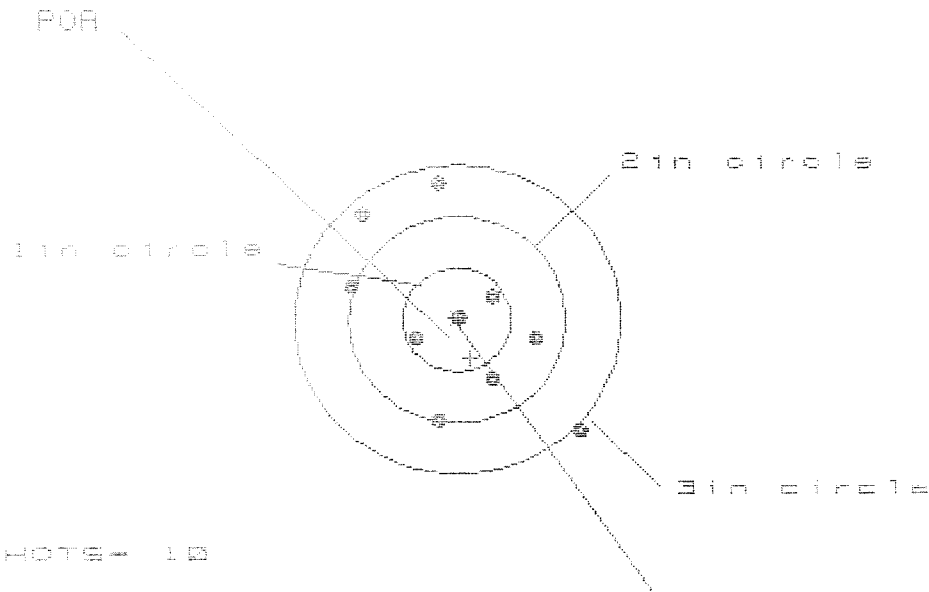
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.316	1.966	.900
MINIMUM X	-1.588	-1.331	-1.106
MAXIMUM Y	.957	1.005	1.075
MINIMUM Y	-1.651	-1.603	-1.533
CENTROID X	.049	-.208	-.042
CENTROID Y	.691	.643	.573
POP TO CENTROID in.	.692	.676	.575
MIN RADIUS	.549	.791	.694
MEAN RADIUS	1.328	1.208	1.169
POP RADIUS	2.355	1.607	1.534
HORIZONTAL SPREAD	3.904	2.397	2.006
VERTICAL SPREAD	2.608	2.608	2.608
EXTREME SPREAD	3.905	2.858	2.858
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	2	
NUMBER IN THREE INCH CIRCLE	=	6	

18 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B056

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HSH = 0.0000

VSH = 0.0000

GSH = 0.0000

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.084	.889	.798
MINIMUM X	-.966	-.846	-.937
MAXIMUM Y	1.328	1.212	1.328
MINIMUM Y	-1.038	-1.094	-.978
CENTROID X	-.125	-.245	-.154
CENTROID Y	.373	.489	.373
POA TO CENTROID in.	.394	.547	.404
MCM RADIUS	.061	.202	.099
DCFM RADIUS	.855	.799	.718
AM RADIUS	1.501	1.214	1.336
HORIZONTAL SPREAD	2.058	1.735	1.735
VERTICAL SPREAD	2.366	2.306	2.306
EXTREME SPREAD	2.837	2.306	2.306
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	