

C6348870

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: **RE00087059** Serial: C6348870 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 9:29:50 AM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☒ Received From: ☐

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** P.O. Box: P.O. Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** 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
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search Refresh Close

naletj 10/27/2004 11:58 AM CAPS NUM INS SCPL

start 2 3 2

Serial Number: **C6348870**

Model: **M24 SWS**



RE00087059

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348870.__0
FILE DATE AND TIME: 11/15/2004 10:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.177
The Average Y Centroid of the Five Target Set:	0.060
The Average Point of Impact of the Five Target Set:	0.187
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.217
The Distance from Centroid Target #3 to Centroid Target #1:	0.154
The Distance from Centroid Target #4 to Centroid Target #1:	0.169
The Distance from Centroid Target #5 to Centroid Target #1:	0.307

BARBER - M24 0040233

SERIAL NUMBER: C6348870. __0

TARGET NUMBER: 1

FILE DATE: 11/15/2004

FILE TIME: 10:48

POINT#	X	Y
1:	0.265	0.604
2:	-0.285	1.233
3:	0.637	0.049
4:	-0.159	0.501
5:	-0.098	0.238
6:	0.099	-0.192
7:	0.279	-0.534
8:	0.089	-1.104
9:	-0.552	-0.376
10:	1.501	-0.370

X CENTROID: 0.178

Y CENTROID: 0.005

POA TO CENTROID: 0.178

HORZ SPREAD: 2.053

VERT SPREAD: 2.337

GROUP SPREAD: 2.400

MIN RADIUS: 0.212

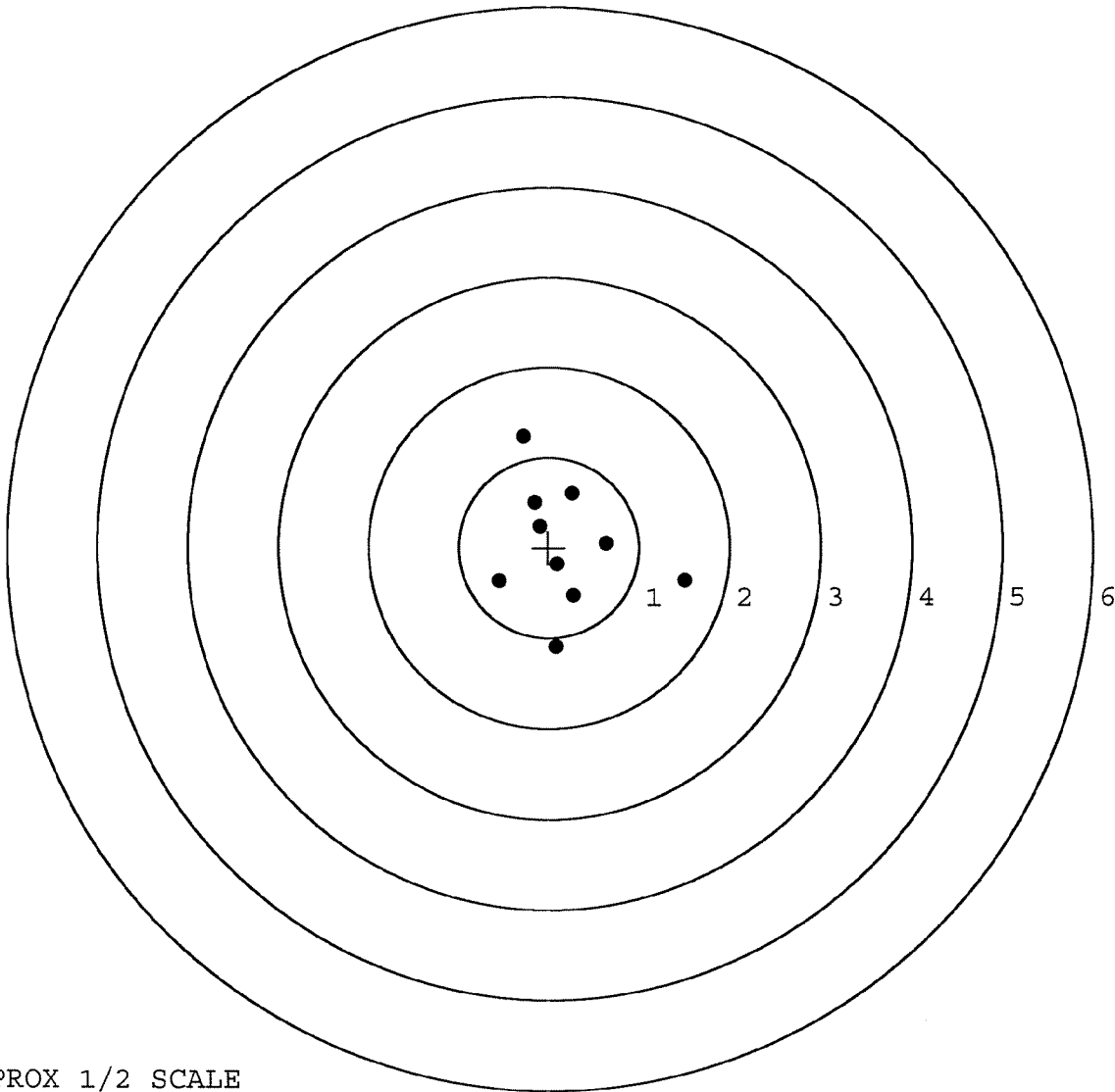
MAX RADIUS: 1.375

MEAN RADIUS: 0.741

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

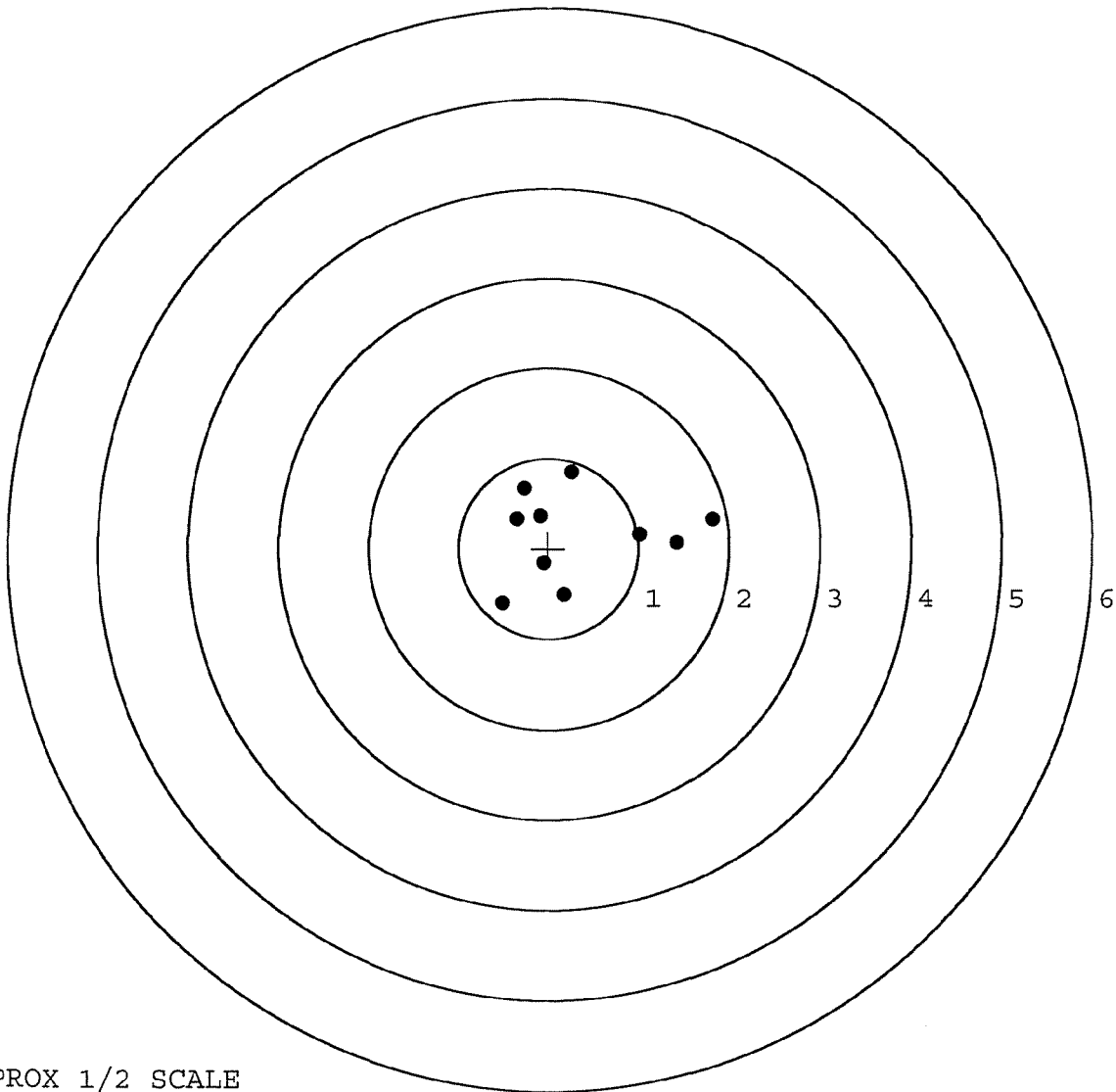


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348870. __0
 TARGET NUMBER: 2
 FILE DATE: 11/15/2004
 FILE TIME: 10:48

POINT#	X	Y
1:	-0.278	0.672
2:	-0.359	0.327
3:	-0.095	0.365
4:	-0.052	-0.166
5:	-0.507	-0.613
6:	0.176	-0.520
7:	1.812	0.334
8:	1.424	0.069
9:	1.020	0.165
10:	0.266	0.852

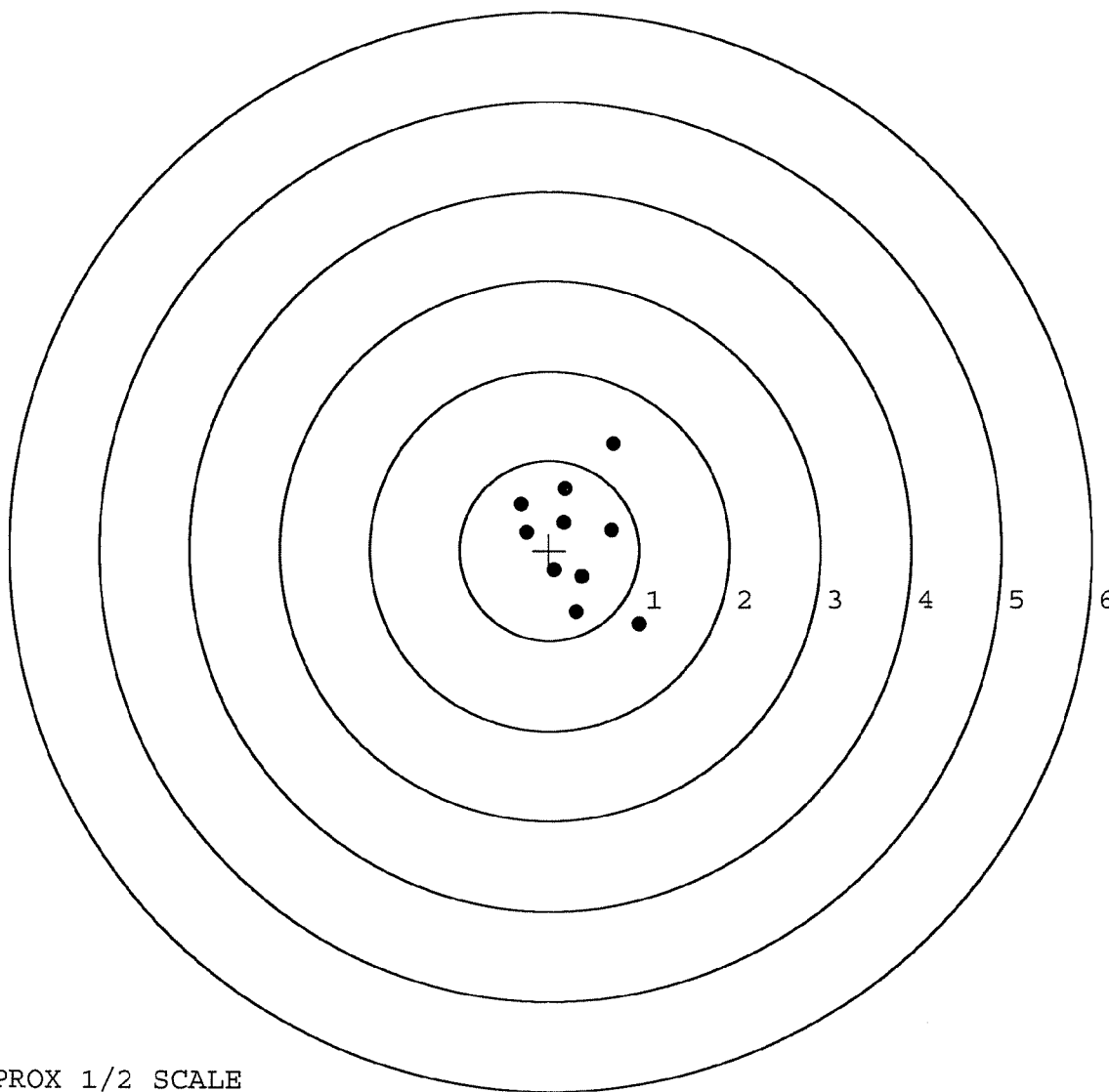
X CENTROID: 0.341
 Y CENTROID: 0.149
 POA TO CENTROID: 0.372
 HORZ SPREAD: 2.319
 VERT SPREAD: 1.465
 GROUP SPREAD: 2.505
 MIN RADIUS: 0.487
 MAX RADIUS: 1.483
 MEAN RADIUS: 0.831
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0040235

SERIAL NUMBER: C6348870. __0	POINT#	X	Y
TARGET NUMBER: 3	1:	0.719	1.190
FILE DATE: 11/15/2004	2:	0.174	0.693
FILE TIME: 10:48	3:	-0.320	0.518
	4:	-0.254	0.202
X CENTROID: 0.290	5:	0.162	0.312
Y CENTROID: 0.111	6:	0.695	0.228
POA TO CENTROID: 0.310	7:	0.057	-0.225
HORZ SPREAD: 1.321	8:	0.362	-0.298
VERT SPREAD: 2.016	9:	0.301	-0.688
GROUP SPREAD: 2.036	10:	1.001	-0.826
MIN RADIUS: 0.238			
MAX RADIUS: 1.176			
MEAN RADIUS: 0.650			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0040236

SERIAL NUMBER: C6348870. __0

TARGET NUMBER: 4

FILE DATE: 11/15/2004

FILE TIME: 10:48

POINT#	X	Y
1:	0.272	0.687
2:	0.489	-0.031
3:	0.284	0.021
4:	0.423	-0.377
5:	0.764	-0.939
6:	0.056	-1.260
7:	-0.178	0.300
8:	-0.485	-0.035
9:	-0.205	-0.030
10:	0.001	0.061

X CENTROID: 0.142

Y CENTROID: -0.160

POA TO CENTROID: 0.214

HORZ SPREAD: 1.249

VERT SPREAD: 1.947

GROUP SPREAD: 1.959

MIN RADIUS: 0.230

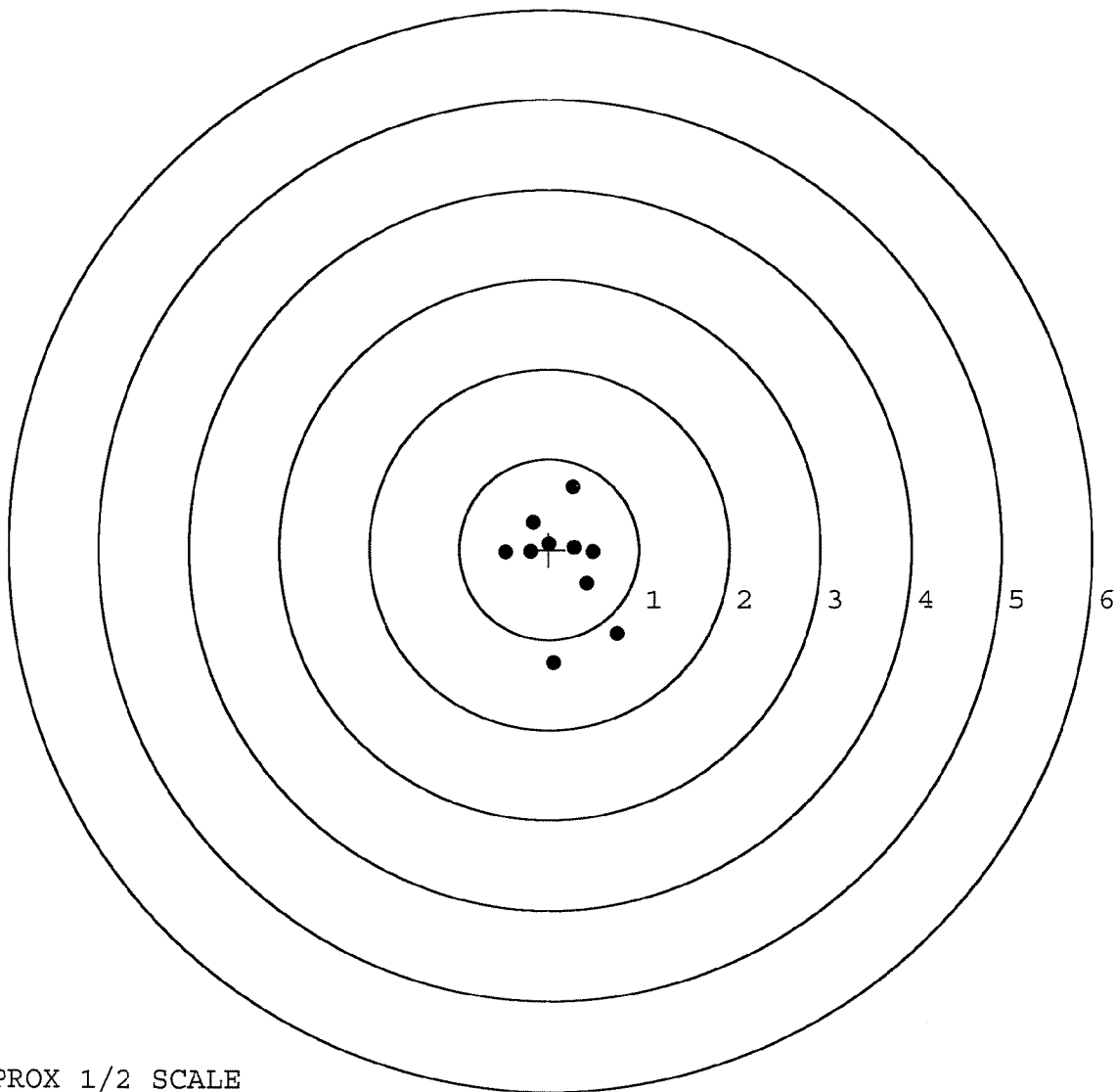
MAX RADIUS: 1.103

MEAN RADIUS: 0.575

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



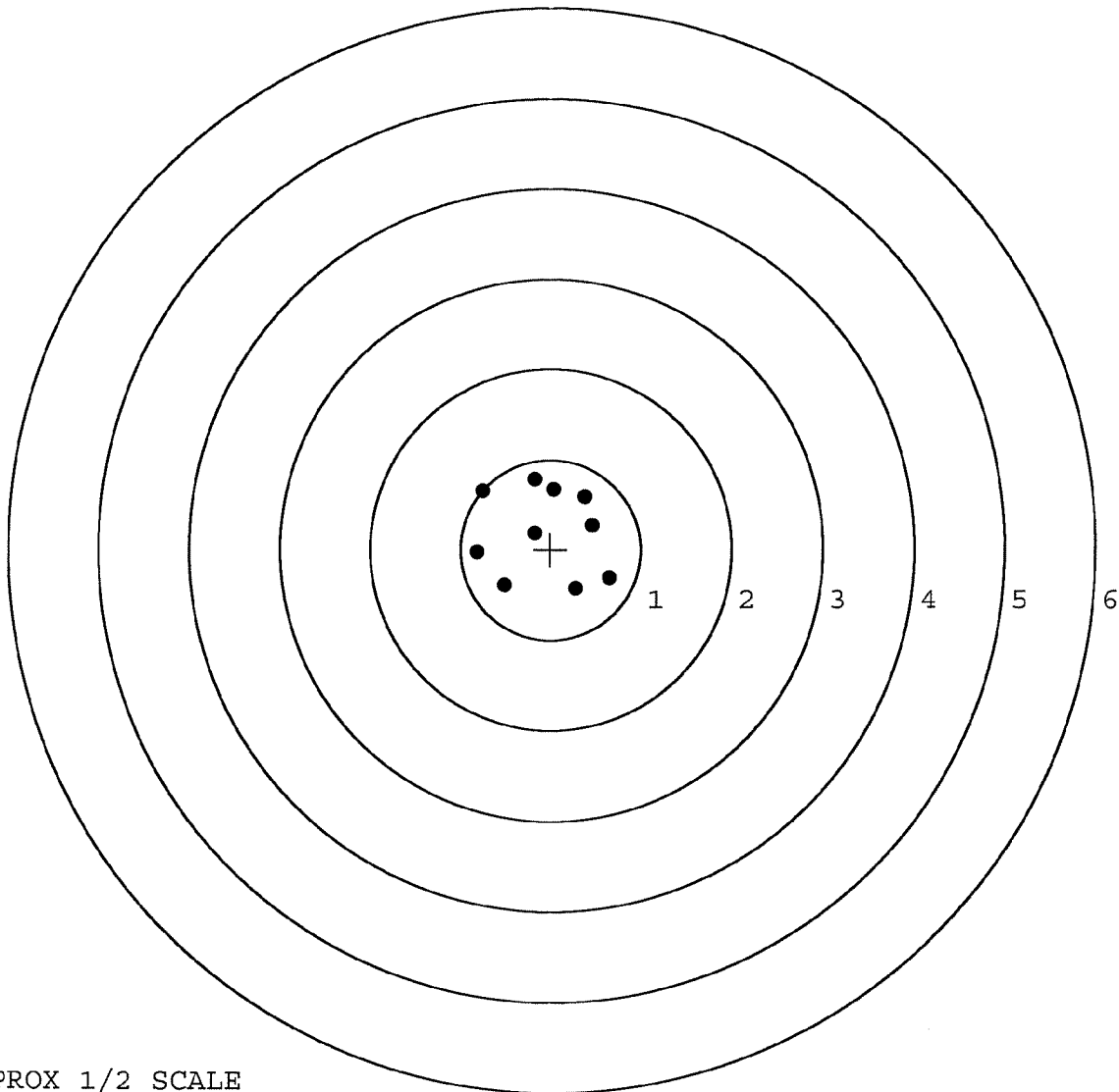
TARGET APPROX 1/2 SCALE

BARBER - M24 0040237

SERIAL NUMBER: C6348870. __0
TARGET NUMBER: 5
FILE DATE: 11/15/2004
FILE TIME: 10:48

POINT#	X	Y
1:	0.034	0.673
2:	-0.179	0.781
3:	-0.757	0.651
4:	-0.818	-0.036
5:	-0.178	0.184
6:	-0.513	-0.402
7:	0.659	-0.316
8:	0.281	-0.434
9:	0.462	0.270
10:	0.383	0.588

X CENTROID: -0.063
Y CENTROID: 0.196
POA TO CENTROID: 0.206
HORZ SPREAD: 1.477
VERT SPREAD: 1.215
GROUP SPREAD: 1.715
MIN RADIUS: 0.116
MAX RADIUS: 0.885
MEAN RADIUS: 0.629
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	87059		
SERIAL NUMBER	C-6348870		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10/30/04	DA
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11/5/04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HB
625 A	FINAL ASSEMBLY	11-11-04	RTL
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-15-04	A
655	FINAL INSPECT	11-18-04	AC
660	PACK	11-18-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

S.N: C6348870

DATE REC'D: 2/13/97

DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

SCOPE ASSY.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

MISC.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

STOCK ASSY.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

SYSTEMS CASE

☐ SCOPE CASE☐ IRON SIGHTS☐ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION☒ SET

Comments:

21 DAY TURN - AROUND

Barrel

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6348870

LOG IN DATE: / /

DATE

INT.

INSPECT & VERIFY:

OP. #	OP. NAME
550	DIS-ASSEMBLE GUN
560 A	RE-BARREL AT CUSTOM SHOP
B	DRILL & TAP
C	POLISH
575	ASSEMBLE
600	PROOF
605	CHECK HEADSPACE
610	DIS-ASSEMBLE
612	MAGNAFLUX
615	ROLLMARK CALIBER
618	ROTO-BLAST
620	APPLY COATINGS
625 A	FINAL ASSEMBLY
B	TRIGGER PULL TEST
C	SAFETY ON FORCE
D	SAFETY OFF FORCE
E	FIRING PIN INDENT
640	TARGET
655	FINAL INSPECT
660	PACK
	QAR INSPECTION

2/17/97

3/19/97
3/19/97

RW

SHIP DATE

BARBER - M24 0040242

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6348870

1 Apr 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0626

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0354

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0719161

THE AMR FOR THIS RIFLE IS: 1.1

CENTROIDAL DISTANCES

0 TO	1	.240707
1 TO	2	.313107
1 TO	3	.209774
1 TO	4	.784006
1 TO	5	.227899

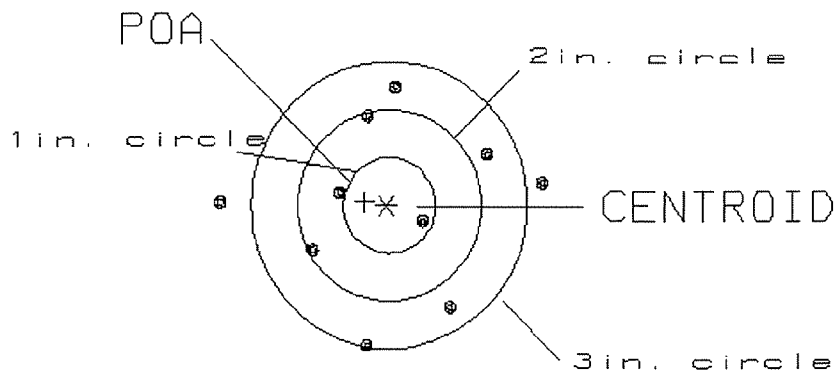
4 ~~2~~³ 1 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .241
 MIN RADIUS : .417
 MEAN RADIUS : 1.156
 MAX RADIUS : 1.868
 CENTROID X : .238
 CENTROID Y : -.036

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.49

1

VS= 2.65

3

GS= 3.49

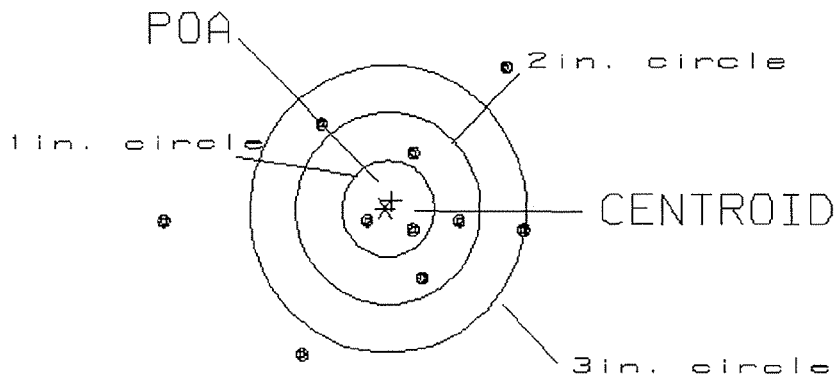
6

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .107
 MIN RADIUS : .260
 MEAN RADIUS : 1.165
 MAX RADIUS : 2.477
 CENTROID X : -.072
 CENTROID Y : -.080

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.97

2

VS= 2.96

5

GS= 4.07

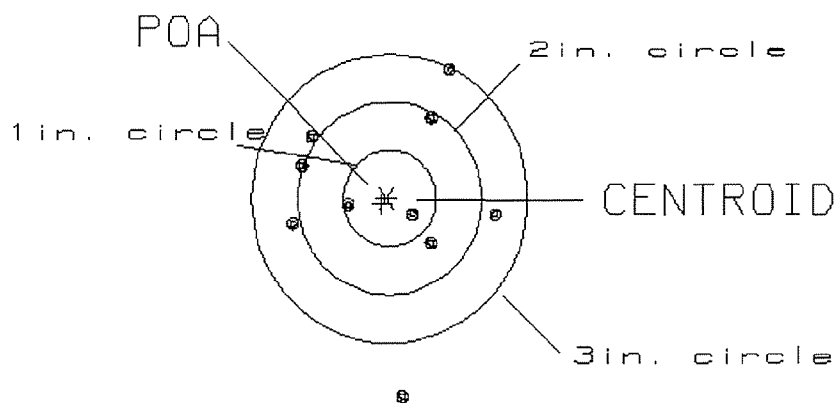
6

PATTERN #: 3
 POA TO CENTROID: .080
 MIN RADIUS : .295
 MEAN RADIUS : 1.030
 MAX RADIUS : 2.048
 CENTROID X : .052
 CENTROID Y : .061

21 Mar 1997

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.20

2

VS= 3.43

5

GS= 3.46

8

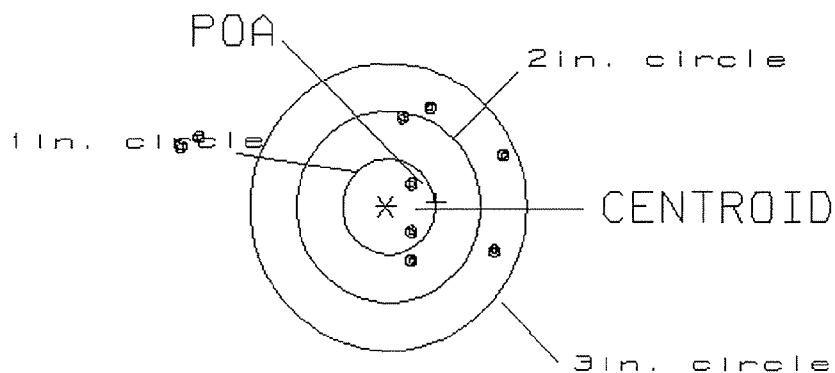
PATTERN #: 4

POA TO CENTROID: .548
 MIN RADIUS : .309
 MEAN RADIUS : 1.340
 MAX RADIUS : 2.966
 CENTROID X : -.546
 CENTROID Y : -.039

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.48

2

VS= 3.91

4

GS= 4.58

7

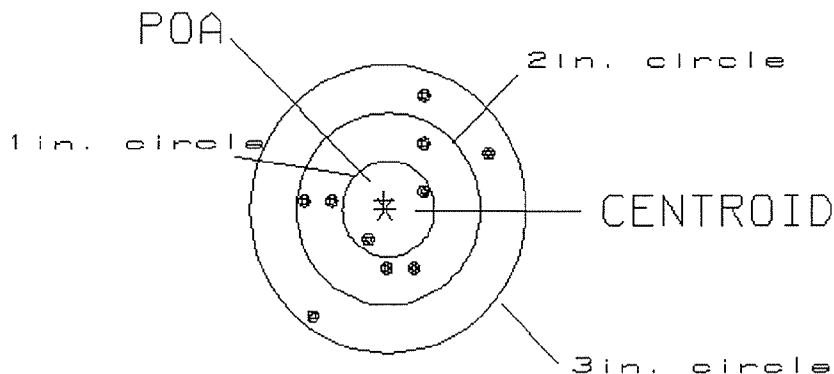
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .084
 MIN RADIUS : .375
 MEAN RADIUS : .807
 MAX RADIUS : 1.365
 CENTROID X : .015
 CENTROID Y : -.083

21 Mar 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C634887D

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.00

2

VS= 2.26

7

GS= 2.54

10

Remington®

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

UPPONT

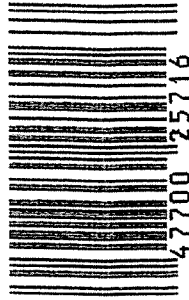
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.	SERIAL NO. C6348870 ORDER NO. 5716
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5716 C6348870

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348870

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14 89		RW
600	Proof	9 14 89		RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15 89		
618	Polish Barrel	8 15 89		
620	Apply Coatings (Barrel Action)		9-25-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/6/89	GS

BARBER - M24 0040250		READINGS			DATE	INIT		
op. #	OP. NAME							
625 cont.	F) Safety On Force	6	6	6	10/16/89	921		
	G) Safety Off Force	3	3	3	10/16/89	921		
	H) Trigger Pull Test & Retainability				10/16/89	921		
	I) Firing Pin Indent	1021	1021	1021	10/16/89	921		
	J) Assemble Stock				10/17/89	921		
	K) Assemble Swivel Studs				10/17/89	921		
	L) Attach Front and Rear Sight Assemblies				10/17/89	921		
	M) Iron Sight Alignment				10/17/89	921		
	N) Detach Front & Rear Sights & place in numbered container				10/17/89	RW		
	O) Attach Scope to Rifle				10/17/89	921		
	P) Detach & Attach Scope 20 Times				10/17/89	921		
640	Gallery Target & Test				10-18-89	DH		
	A) Time				10-18-89	DH		
	B) Malfunctions				10-18-89	DH		
	C) Pierced Primers				10-18-89	DH		
	D) Optical Clarity of Scope				10-18-89	DH		
645	Inspect for Live Ammo				10-18-89	DH		
655	Final Inspection				10/17/89	921		
	A) Headspace				10/17/89	921		
	B) Trigger Pull	242	254	247	246	243	10/17/89	921
	C) Function						10/17/89	921
660	Pack						10/17/89	921

BARBER - M24 0040251

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 8870DATE 3/26/90TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.20	2.28	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.38	2.42	
PULL #3	2.32	2.33	2.39	
PULL #4	2.32	2.36	2.28	
PULL #5	2.31	2.34	2.34	
TOTAL	11.49	11.69	11.81	
AVG.	2.30	2.34	2.36	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.22	
PULL #2	3.29	3.24	
PULL #3	3.10	3.15	
PULL #4	3.04	3.18	
PULL #5	3.21	3.19	
TOTAL	15.95	15.98	
AVG.	3.19	3.19	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.34		
PULL #2	4.35	4.28		
PULL #3	4.32	3.94		
PULL #4	4.32	4.24		
PULL #5	4.33	4.24		
TOTAL	21.58	21.04		
AVG.	4.31	4.21		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349870
18 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.514736
1 TO	2	.483157
1 TO	3	.377576
1 TO	4	.855716
1 TO	5	.133004

$\frac{1}{5} \sum_{i=1}^5 x_i^4$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4392
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1704
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .471097
THE AMR FOR THIS RIFLE IS: .9564

12 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B870

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.266

VS= 2.386

GS= 2.463

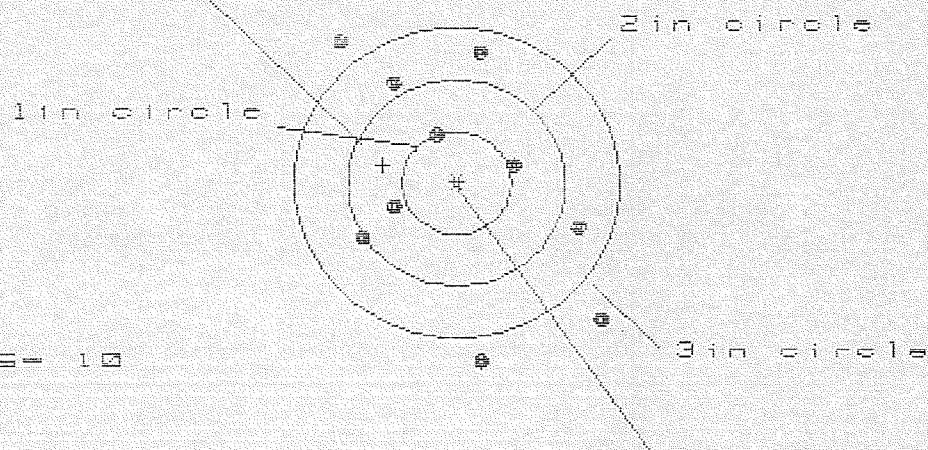
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.764	.597	.592
MINIMUM X	:	-1.502	-.787	-.792
MAXIMUM Y	:	1.341	1.352	.986
MINIMUM Y	:	-1.045	-1.034	-.865
CENTROID X	:	.272	.439	.444
CENTROID Y	:	-.437	-.448	-.617
POA TO CENTROID in.	:	.514	.627	.761
MIN RADIUS	:	.211	.311	.447
MEAN RADIUS	:	.905	.826	.759
MAX RADIUS	:	1.506	1.353	.987
HORIZONTAL SPREAD	:	2.266	1.384	1.384
VERTICAL SPREAD	:	2.386	2.386	1.851
EXTREME SPREAD	:	2.463	2.396	1.856
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B870

CENTERFIRE PATTERNS # 2

POR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 2.415

VS = 3.133

GS = 3.627

CENTROID #

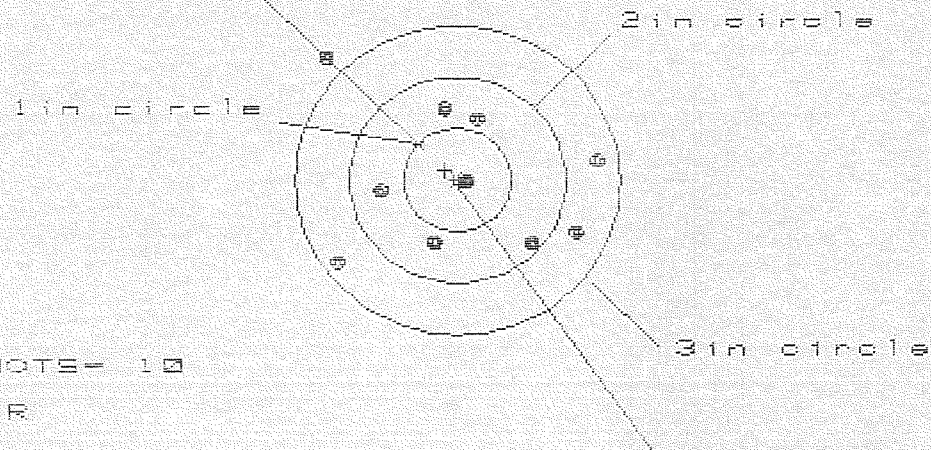
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.325	1.275	1.315
MINIMUM X	:	-1.090	-.942	-.902
MAXIMUM Y	:	1.365	1.216	.976
MINIMUM Y	:	-1.768	-1.917	-.906
CENTROID X	:	.676	.528	.488
CENTROID Y	:	-.172	-.023	.217
POR TO CENTROID in.	:	.697	.529	.534
MIN RADIUS	:	.498	.322	.086
MEAN RADIUS	:	1.179	1.065	.908
MAX RADIUS	:	1.886	1.945	1.542
HORIZONTAL SPREAD	:	2.415	2.217	2.217
VERTICAL SPREAD	:	3.133	3.133	1.882
EXTREME SPREAD	:	3.627	3.379	2.844
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C934B870

CENTERFIRE PATTERNS # 3

POB



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.493

VS= 1.978

GS= 2.921

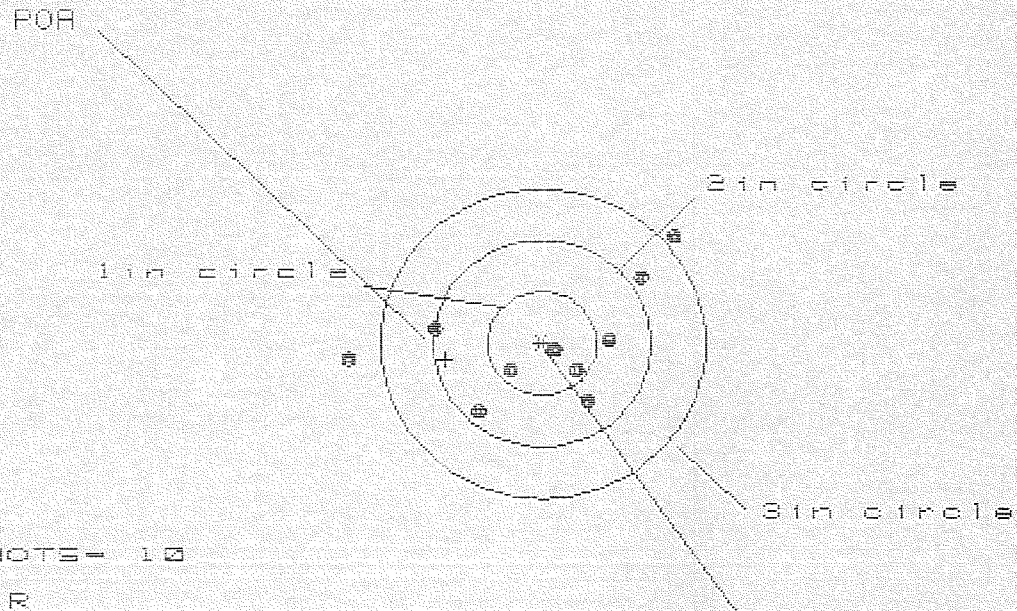
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.259	1.121	.965
MINIMUM X	:	-1.234	-1.251	-.984
MAXIMUM Y	:	1.186	.783	.701
MINIMUM Y	:	-.792	-.661	-.528
CENTROID X	:	.112	.249	.405
CENTROID Y	:	-.095	-.226	-.144
POB TO CENTROID in.	:	.146	.336	.430
MIN RADIUS	:	.100	.121	.198
MEAN RADIUS	:	.918	.823	.746
MAX RADIUS	:	1.712	1.414	1.001
HORIZONTAL SPREAD	:	2.493	2.372	1.949
VERTICAL SPREAD	:	1.978	1.444	1.229
EXTREME SPREAD	:	2.921	2.578	1.981
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/0634B870

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 3.026

VS = 1.657

GS = 3.268

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.251	1.054	.845
MINIMUM X	:	-1.775	-1.156	-1.025
MAXIMUM Y	:	1.049	1.029	.733
MINIMUM Y	:	-.608	-.628	-.500
CENTROID X	:	.887	1.084	.953
CENTROID Y	:	.158	.178	.050
POA TO CENTROID in.	:	.901	1.099	.954
MIN RADIUS	:	.147	.105	.081
MEAN RADIUS	:	.854	.726	.607
MAX RADIUS	:	1.785	1.473	1.119
HORIZONTAL SPREAD	:	3.026	2.210	1.870
VERTICAL SPREAD	:	1.657	1.657	1.233
EXTREME SPREAD	:	3.268	2.498	1.964
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08548870

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.270

VS= 2.227

GS= 2.700

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.636	.523
MINIMUM X	:	-1.471	-.903	-.710
MAXIMUM Y	:	1.051	.974	.817
MINIMUM Y	:	-1.176	-1.253	-1.240
CENTROID X	:	.249	.412	.525
CENTROID Y	:	-.306	-.229	-.072
POR TO CENTROID in.	:	.395	.472	.530
MIN RADIUS	:	.526	.351	.259
MEAN RADIUS	:	.926	.809	.664
MAX RADIUS	:	1.627	1.545	1.345
HORIZONTAL SPREAD	:	2.270	1.539	1.233
VERTICAL SPREAD	:	2.227	2.227	2.057
EXTREME SPREAD	:	2.700	2.592	2.068
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6348870
 13 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.141089
1 TO	2	.703006
1 TO	3	.193437
1 TO	4	.554707
1 TO	5	.172965

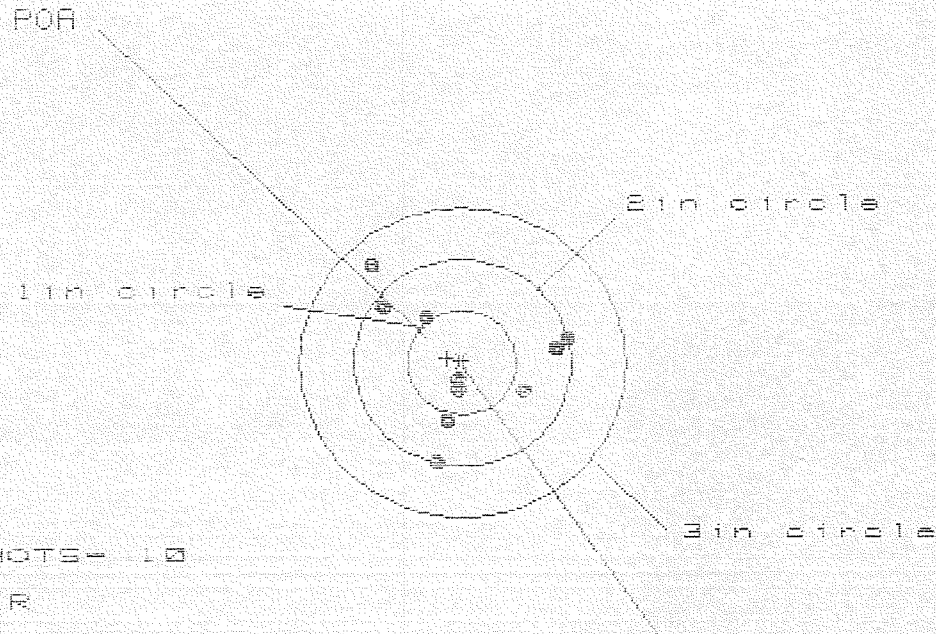
$\frac{2}{4} \frac{5}{37}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.137
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0026
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .137025
 THE AMR FOR THIS RIFLE IS: .872

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B870.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.841

VS= 1.970

GS= 2.063

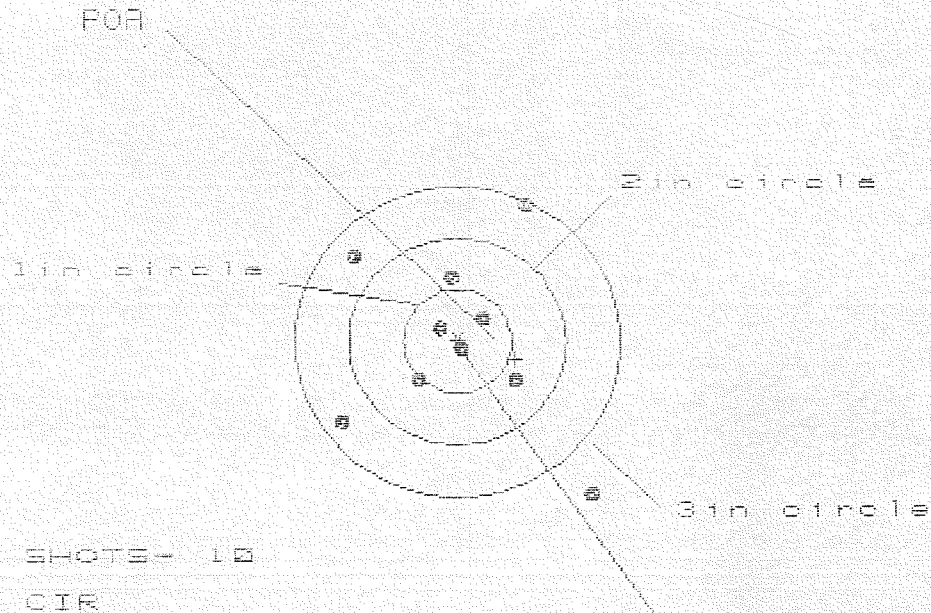
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.972	.875	.831
MINIMUM X	-.869	-.794	-.839
MAXIMUM Y	.974	.657	.546
MINIMUM Y	-.996	-.888	-.542
CENTROID X	.135	.232	.276
CENTROID Y	-.841	-.149	-.033
POA TO CENTROID in.	.141	.276	.270
MIN RADIUS	.190	.170	.270
MEAN RADIUS	.721	.634	.609
MAX RADIUS	1.305	1.030	1.000
HORIZONTAL SPREAD	1.841	1.669	1.669
VERTICAL SPREAD	1.970	1.545	1.089
EXTREME SPREAD	2.063	1.731	1.700
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

13 Dec 1988

FILE: PATTERNING/CENTERFIRE_PATT/0834B370.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.252

VS= 2.743

GS= 3.143

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.187	.734	.737
MINIMUM X	:	-1.065	-.933	-.841
MAXIMUM Y	:	1.297	1.136	.815
MINIMUM Y	:	-1.446	-.937	-.794
CENTROID X	:	-.534	-.666	-.758
CENTROID Y	:	.175	.336	.194
POA TO CENTROID (in)	:	.562	.746	.782
MIN RADIUS	:	.126	.045	.137
MEAN RADIUS	:	.833	.710	.637
MAX RADIUS	:	1.871	1.353	1.157
HORIZONTAL SPREAD	:	2.252	1.667	1.628
VERTICAL SPREAD	:	2.743	2.073	1.609
EXTREME SPREAD	:	3.143	2.660	1.969
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/09348370.1

CENTERFIRE PATTERNS # 3

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 1.415

VS = 2.753

GS = 2.763

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.548
MINIMUM X	-.867
MAXIMUM Y	1.448
MINIMUM Y	-1.305
CENTROID X	-.058
CENTROID Y	-.054
POB TO CENTROID in	.079
MIN RADIUS	.218
MEAN RADIUS	.941
MAX RADIUS	1.469
HORIZONTAL SPREAD	1.415
VERTICAL SPREAD	2.753
EXTREME SPREAD	2.763
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	10

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348870.1

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.397

VS= 2.008

GS= 3.006

CENTROID *

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.940	.778	.856
MINIMUM X	-1.457	-.839	-.761
MAXIMUM Y	1.079	.976	.793
MINIMUM Y	-.929	-.852	-.730
CENTROID X	-.389	-.227	-.385
CENTROID Y	-.223	-.120	-.242
POA TO CENTROID in	.449	.257	.389
MIN RADIUS	.279	.170	.194
MEAN RADIUS	.882	.769	.709
MAX RADIUS	1.728	1.155	1.167
HORIZONTAL SPREAD	2.397	1.617	1.617
VERTICAL SPREAD	2.008	1.828	1.523
EXTREME SPREAD	3.006	2.090	1.922
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

