

C6349115

MODEL 700™ M24

Model SAS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Smith
III
®

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: **RE00089039** Serial: C6349115 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/6/2004 7:41:46 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

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

Address 1: **DEF DIST DEPOT ANNISTON AL** **DEF DIST DEPOT ANNISTON AL**

Address 2: **PO Box** **PO Box**

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

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

FFL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																								
Contact Information Phone: Fax: Email: Comments:	Received Condition Condition: Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A006</td> <td>Sling Strap</td> <td>1</td> </tr> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope W/CASE</td> <td>1</td> </tr> <tr> <td>A055</td> <td>Deployment Kit</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Frt and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A006	Sling Strap	1	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A026	Scope W/CASE	1	A055	Deployment Kit	1	A057	Frt and Rear Sgt Base	1		
Code	Desc	Qty																										
A006	Sling Strap	1																										
A007	With Stud	3																										
A010	Hard Case	1																										
A017	Scope Base	1																										
A026	Scope W/CASE	1																										
A055	Deployment Kit	1																										
A057	Frt and Rear Sgt Base	1																										

Repair Search Refresh Close

maglet 12/6/2004 8:54 AM CAPS NUM JINS SCPL

start 2 2 2 2 2 2 2 2

Serial Number: **C6349115**

Model: **M24 SWS**



RE00089039

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349115.__0
FILE DATE AND TIME: 01/12/2005 11:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.079
The Average Y Centroid of the Five Target Set:	0.165
The Average Point of Impact of the Five Target Set:	0.183
The Average Mean Radius of the Five Target Set:	0.572
The Distance from POA to Centroid Target #1:	0.069
The Distance from Centroid Target #2 to Centroid Target #1:	0.148
The Distance from Centroid Target #3 to Centroid Target #1:	1.065
The Distance from Centroid Target #4 to Centroid Target #1:	0.184
The Distance from Centroid Target #5 to Centroid Target #1:	0.165

SERIAL NUMBER: C6349115. __ 0

TARGET NUMBER: 1

FILE DATE: 01/12/2005

FILE TIME: 11:01

POINT#	X	Y
1:	0.466	0.615
2:	0.650	0.913
3:	0.199	0.932
4:	-0.286	-0.096
5:	-0.473	-0.250
6:	-0.756	-0.415
7:	-0.739	0.215
8:	0.130	-0.652
9:	0.203	-1.336
10:	0.567	0.763

X CENTROID: -0.004

Y CENTROID: 0.069

POA TO CENTROID: 0.069

HORZ SPREAD: 1.406

VERT SPREAD: 2.268

GROUP SPREAD: 2.293

MIN RADIUS: 0.327

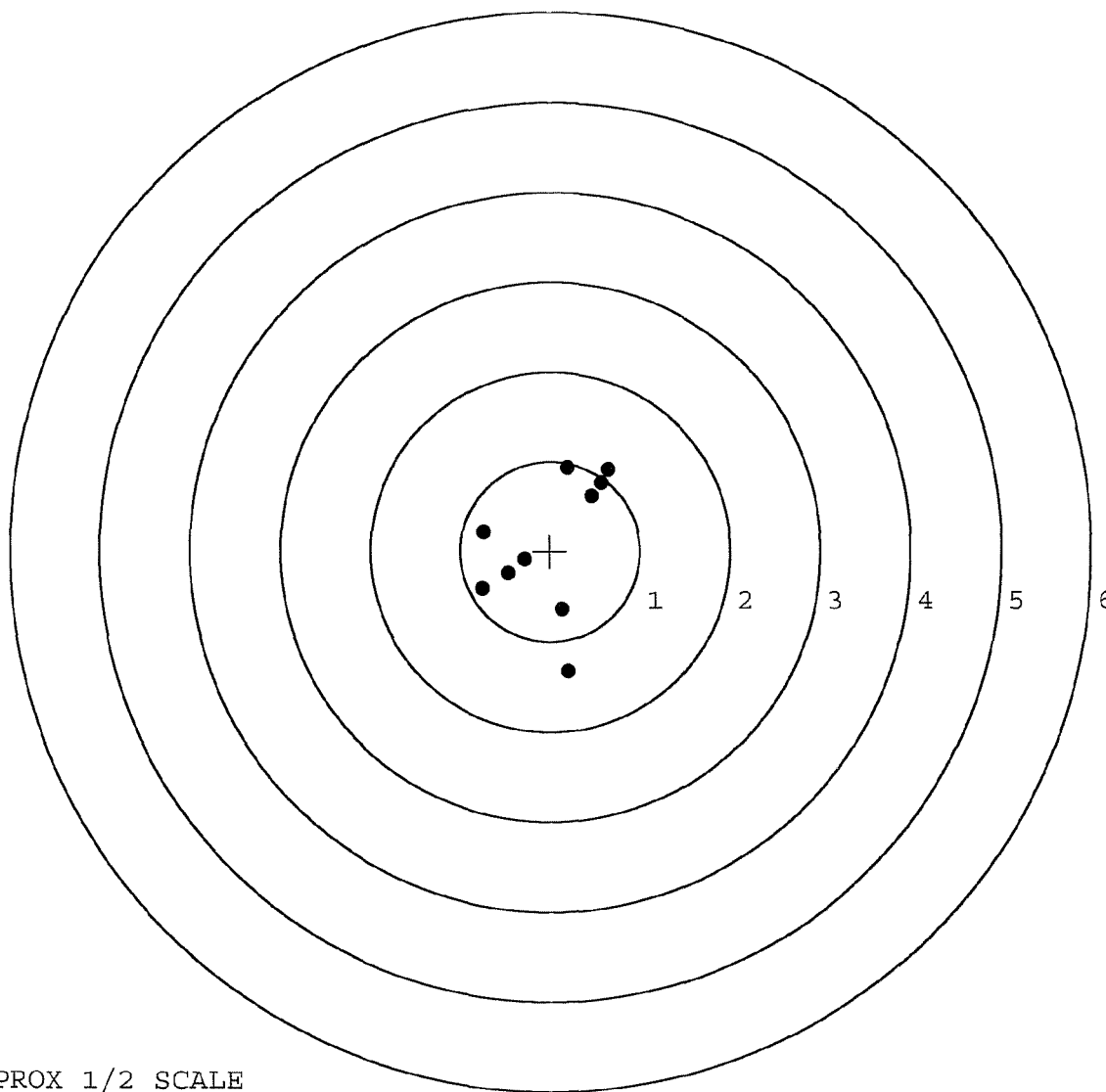
MAX RADIUS: 1.420

MEAN RADIUS: 0.826

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

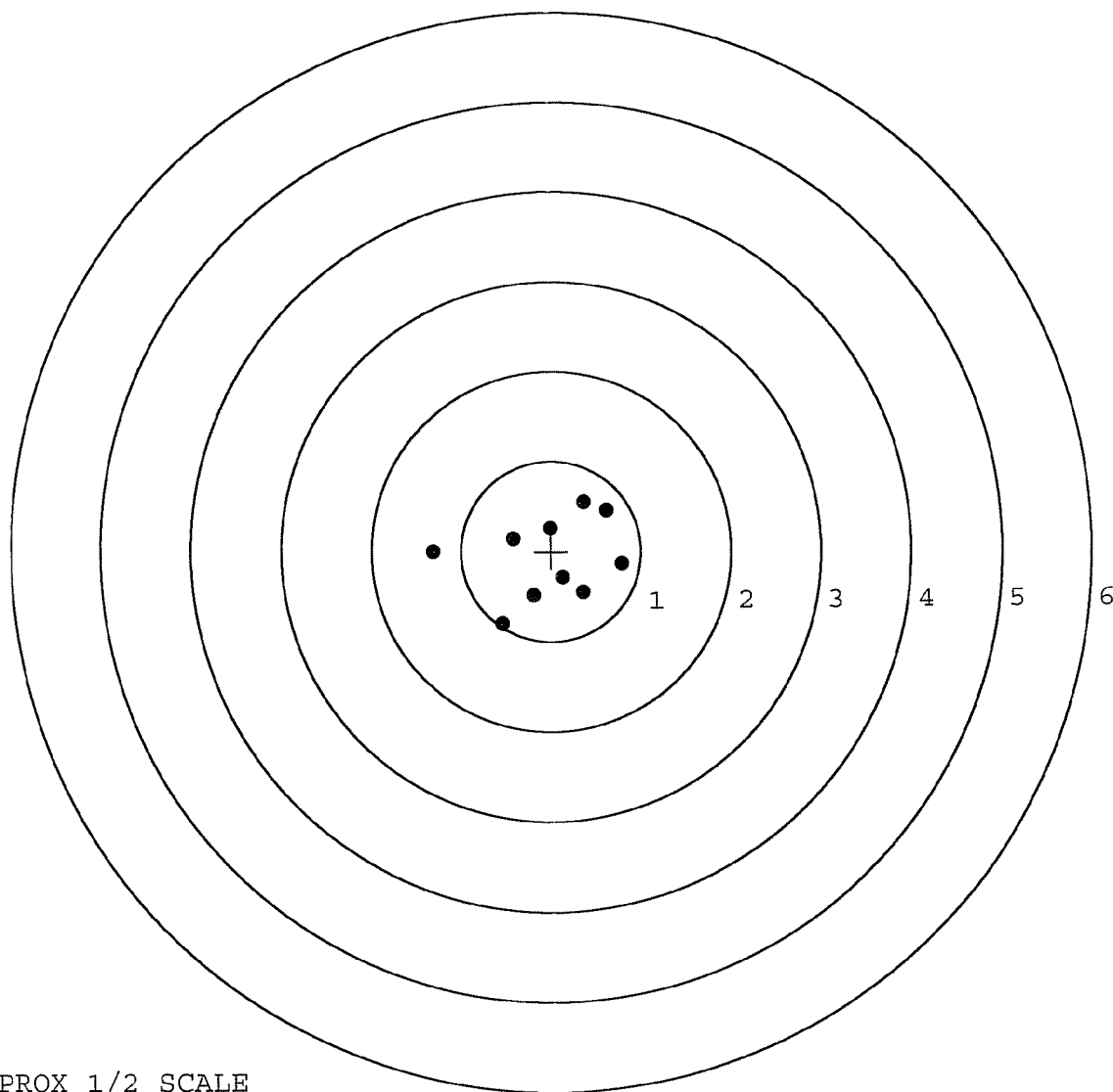


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349115. __0
TARGET NUMBER: 2
FILE DATE: 01/12/2005
FILE TIME: 11:01

X CENTROID: -0.022
Y CENTROID: -0.078
POA TO CENTROID: 0.081
HORZ SPREAD: 2.112
VERT SPREAD: 1.350
GROUP SPREAD: 2.118
MIN RADIUS: 0.262
MAX RADIUS: 1.301
MEAN RADIUS: 0.663
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.792	-0.145
2:	0.359	-0.457
3:	0.133	-0.289
4:	-0.201	-0.492
5:	-0.548	-0.806
6:	-1.320	0.011
7:	-0.421	0.145
8:	-0.008	0.259
9:	0.369	0.544
10:	0.622	0.453

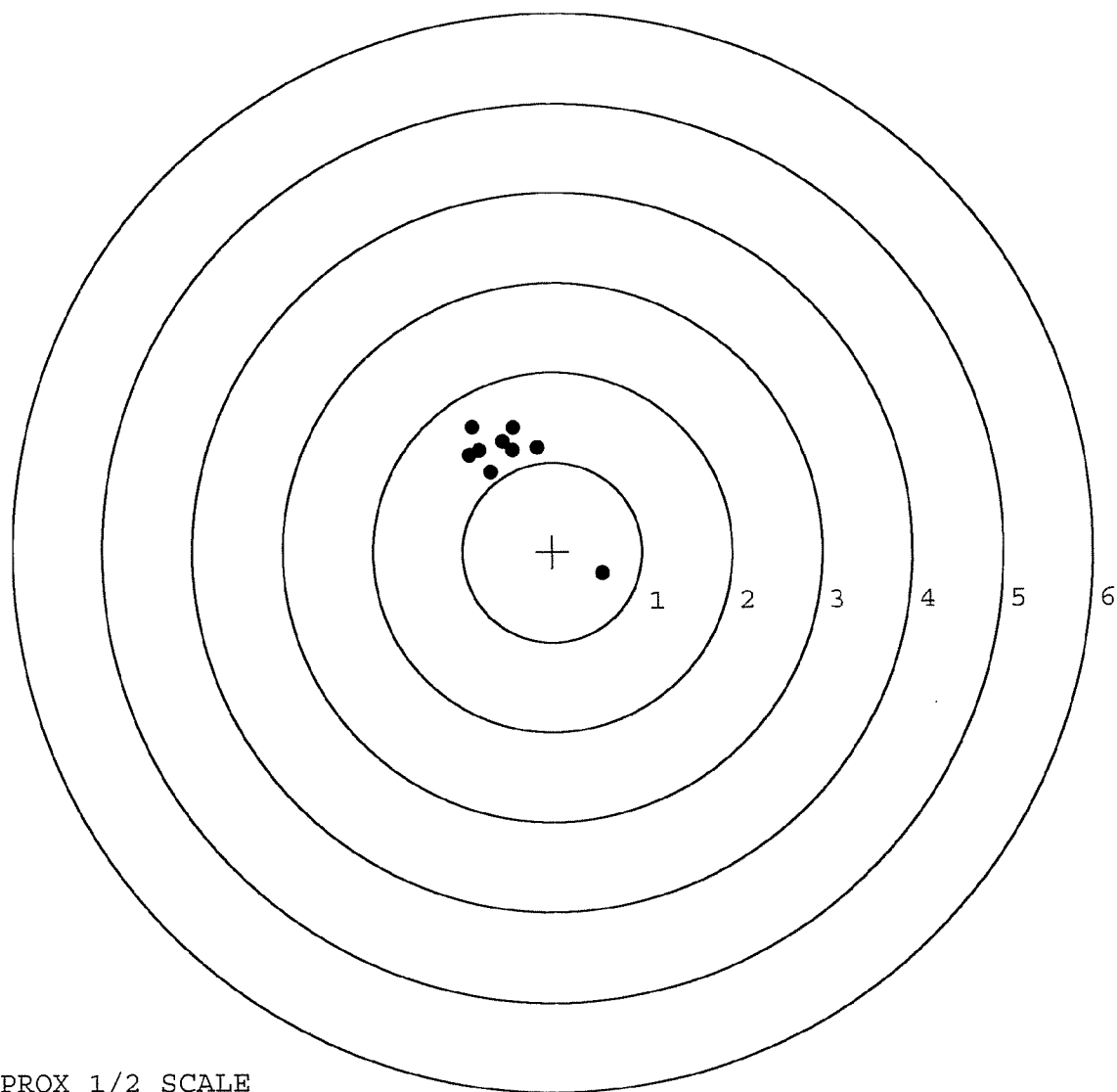


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349115. __0
TARGET NUMBER: 3
FILE DATE: 01/12/2005
FILE TIME: 11:01

POINT#	X	Y
1:	0.556	-0.252
2:	-0.164	1.162
3:	-0.432	1.387
4:	-0.886	1.398
5:	-0.918	1.086
6:	-0.680	0.894
7:	-0.438	1.136
8:	-0.552	1.239
9:	-0.809	1.138

X CENTROID: -0.480
Y CENTROID: 1.021
POA TO CENTROID: 1.128
HORZ SPREAD: 1.474
VERT SPREAD: 1.650
GROUP SPREAD: 2.191
MIN RADIUS: 0.123
MAX RADIUS: 1.641
MEAN RADIUS: 0.477
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349115. __0

TARGET NUMBER: 4

FILE DATE: 01/12/2005

FILE TIME: 11:01

POINT#	X	Y
1:	1.388	-0.349
2:	0.460	-0.583
3:	0.462	0.179
4:	0.008	0.241
5:	-0.516	0.410
6:	-0.473	-0.147
7:	-0.290	-0.291
8:	-0.026	-0.296
9:	0.001	-0.134
10:	-0.158	0.050

X CENTROID: 0.086

Y CENTROID: -0.092

POA TO CENTROID: 0.126

HORZ SPREAD: 1.904

VERT SPREAD: 0.993

GROUP SPREAD: 2.050

MIN RADIUS: 0.094

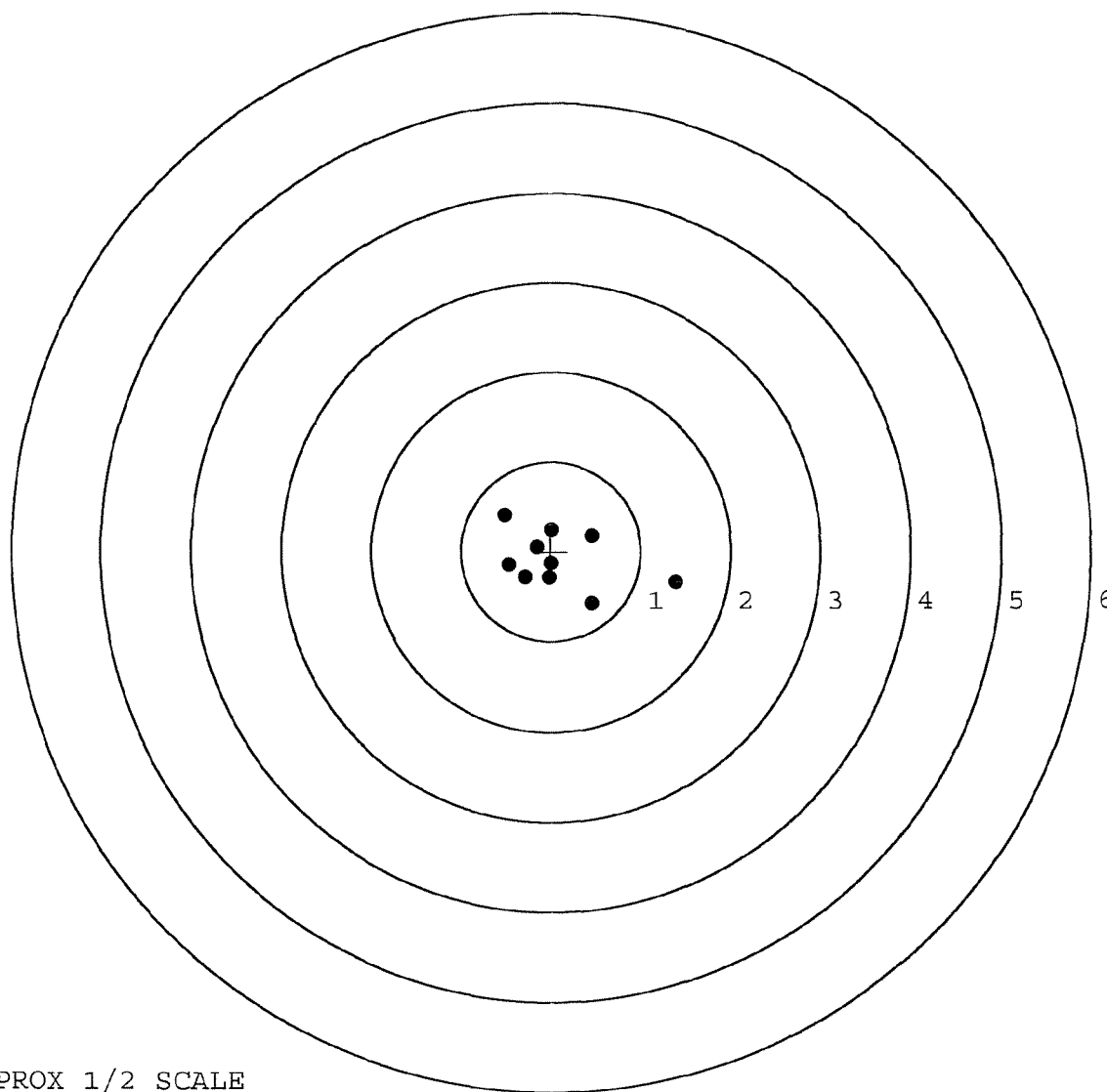
MAX RADIUS: 1.328

MEAN RADIUS: 0.513

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

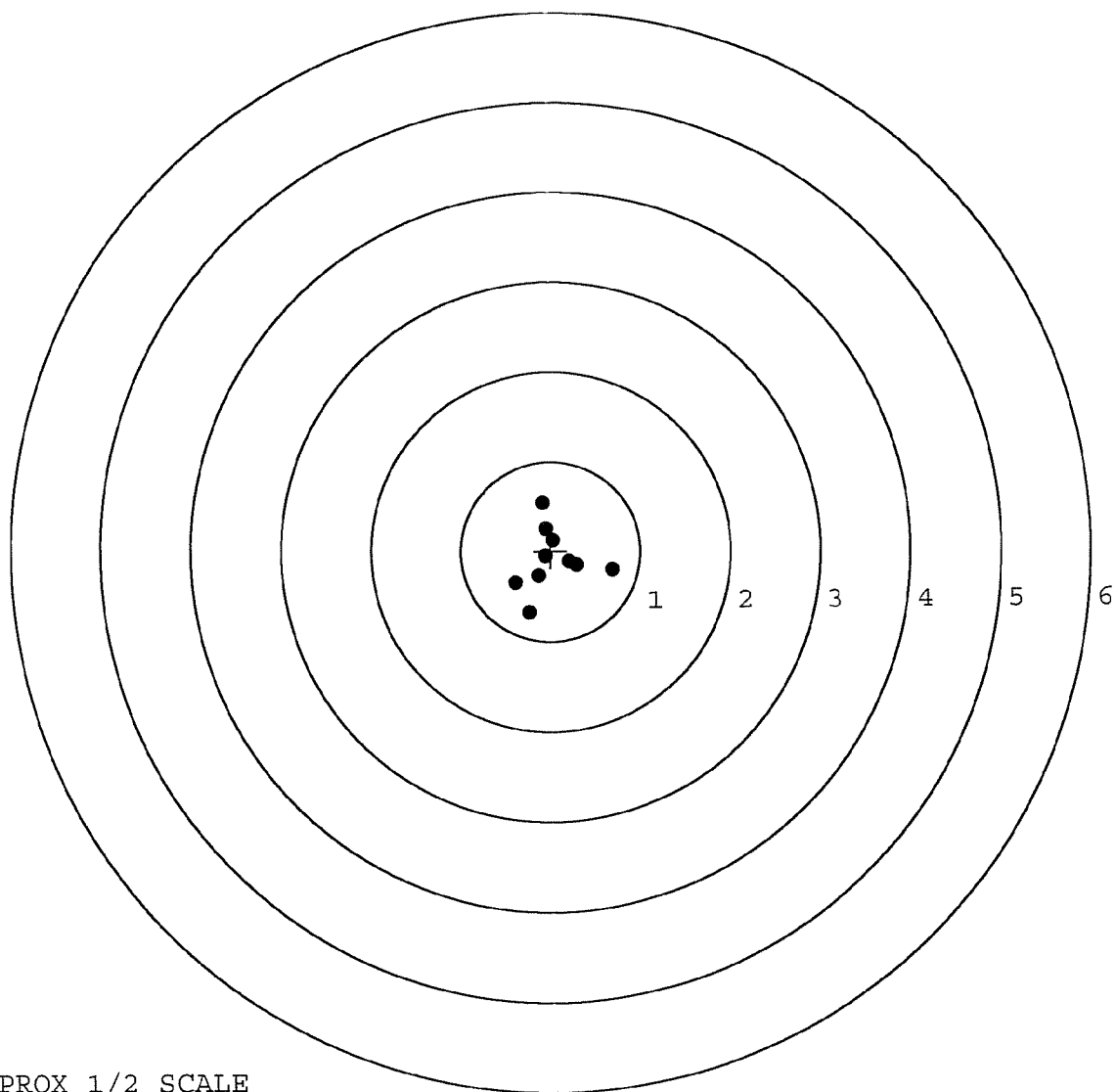


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349115. __0
TARGET NUMBER: 5
FILE DATE: 01/12/2005
FILE TIME: 11:01

X CENTROID: 0.024
Y CENTROID: -0.094
POA TO CENTROID: 0.097
HORZ SPREAD: 1.085
VERT SPREAD: 1.219
GROUP SPREAD: 1.094
MIN RADIUS: 0.095
MAX RADIUS: 0.676
MEAN RADIUS: 0.383
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.691	-0.207
2:	0.300	-0.158
3:	-0.242	-0.684
4:	-0.394	-0.350
5:	-0.139	-0.275
6:	-0.062	-0.055
7:	0.027	0.123
8:	-0.056	0.248
9:	-0.092	0.535
10:	0.212	-0.115



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	89039		
SERIAL NUMBER	C6349115		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-8-04	RTZ
560 A	RE-BARREL	12-15-04	RTZ
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-10-05	RTZ
B	TRIGGER PULL TEST	NA	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-12-05	TRW
655	FINAL INSPECT	1-13-05	Ac
660	PACK	3-1-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18180

INITIAL
FDC CUSTOMER ORDER NO.
DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT

ATTN: FRED MARTIN

SCOPE S/N 89-0935

DATE RECEIVED
06/10/94 DATE OPENED
06/10/94 DATE CODESERIAL NUMBER
C6349115

NEW SERIAL NUMBER

MODEL AND GRADE

700 7-62

NATO

ACCESSORIES HARD CASE SCOPE MNTS SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL

36201-5025

CUST NO: 098397 C-D.DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-23-96

FRT

GUN CONDITION

- ☐
- NEW
-
- ☐
- LIGHTLY WORN
-
- ☐
- WORN
-
- ☐
- VERY WORN
-
- ☐
- UNREPAIRABLE
-
- ☐
- MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN AMMO FUNCTION FINISH ACCURACY FIT INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

NEW BARREL
STOCK
TRIGGER ASSY
FIRING PIN ASSY

Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400108152

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349115
DATE 7-22-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.46	2.57		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.53	2.38		
PULL #3	2.48	2.68	2.41		
PULL #4	2.39	2.54	2.53		
PULL #5	2.56	2.62	2.58		
TOTAL	12.57	12.83	12.47		
AVG.	2.51	2.56	2.49		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.18		
PULL #2	3.10	3.19		
PULL #3	3.30	3.14		
PULL #4	3.17	3.09		
PULL #5	3.15	3.12		
TOTAL	15.74	15.72		
AVG.	3.14	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.14		4.21
PULL #2	4.18	4.20		4.42
PULL #3	4.19	4.02		4.40
PULL #4	4.19	4.05		4.10
PULL #5	4.06	4.14		4.37
TOTAL	20.73	20.55		21.50
AVG.	4.14	4.11		4.30

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

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

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	5.5	5.75	8/2	SF		
	G) Safety Off Force	5	4.5	5	8/2	SF		
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.0235	8/2	SF		
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.85	2.85	2.30	2.49	2.62	8/2	SF
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6849115
12 Jan 1980

CENTROIDAL DISTANCES

0 TO 1	.180228
1 TO 2	.283214
1 TO 3	.309013
1 TO 4	.221
1 TO 5	.327246

20
3

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0186
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .077
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0792146
THE AMR FOR THIS RIFLE IS: .894

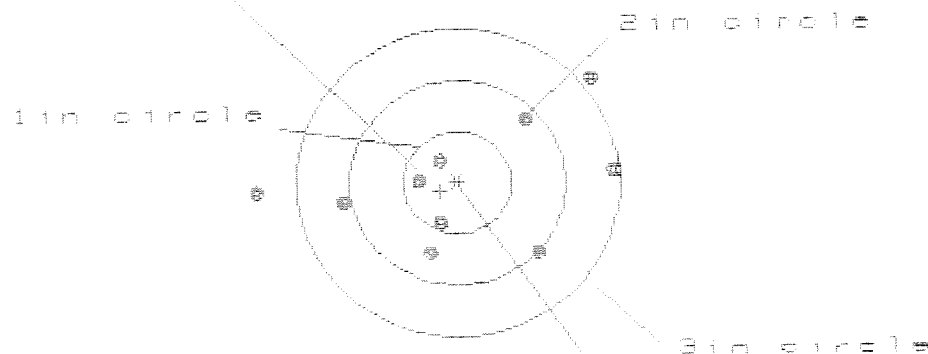
10 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08349115

CENTERFIRE PATTERNS

1

POB



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 3.264

VS= 1.681

GS= 3.267

CENTROID +

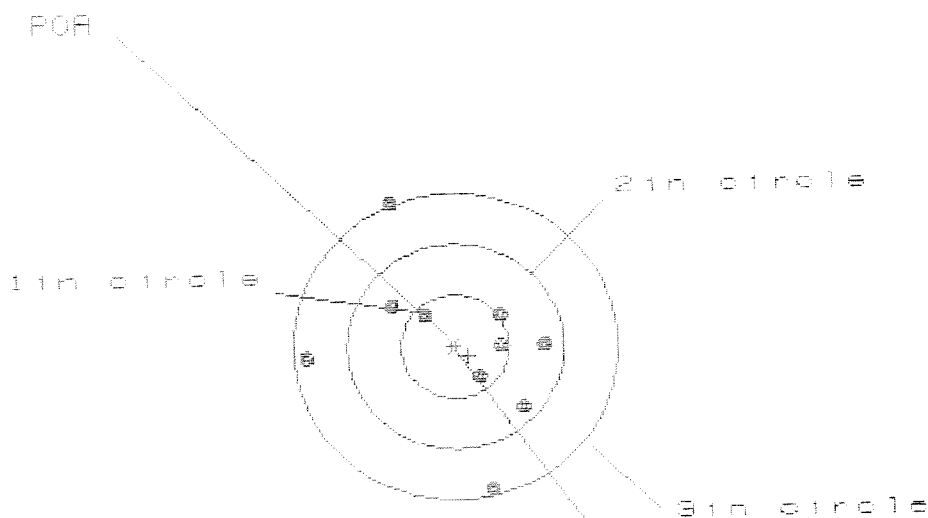
PATTERN #

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.485	1.198	1.322
MINIMUM X	-1.859	-1.313	-1.139
MAXIMUM Y	.983	.978	.727
MINIMUM Y	-.698	-.703	-.588
CENTROID X	.161	.368	.244
CENTROID Y	.081	.086	-.037
POB TO CENTROID in.	.188	.377	.247
MIN RADIUS	.266	.439	.337
MEAN RADIUS	.964	.883	.782
MAX RADIUS	1.868	1.398	1.339
HORIZONTAL SPREAD	3.264	2.511	2.511
VERTICAL SPREAD	1.681	1.681	1.307
EXTREME SPREAD	3.267	2.574	2.525
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

10 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349115

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.188

VS= 2.816

GS= 2.952

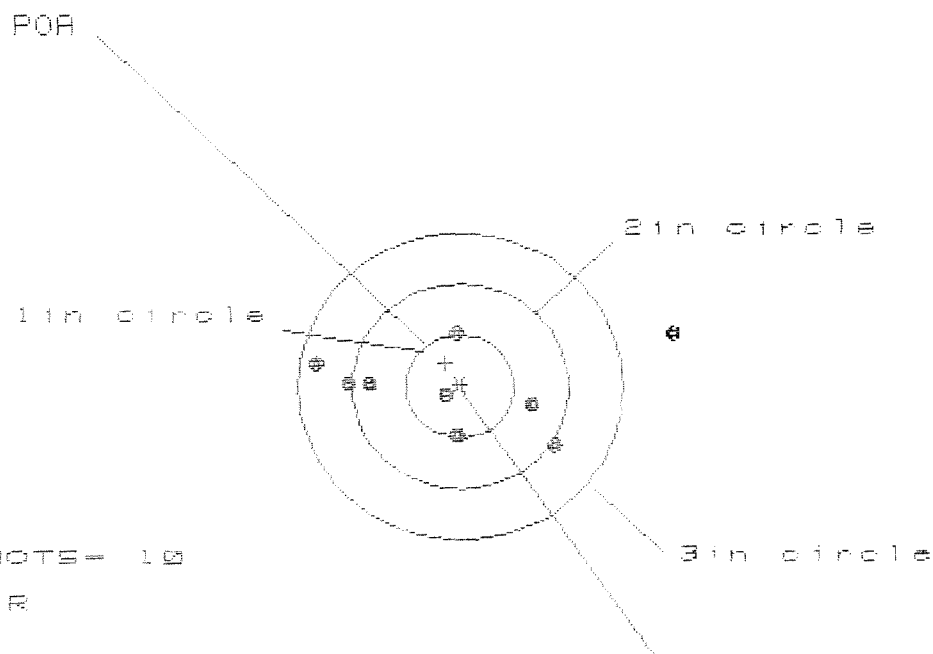
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.805	.737	.763
MINIMUM X	:	-1.383	-1.451	-1.425
MAXIMUM Y	:	1.405	.534	.377
MINIMUM Y	:	-1.411	-1.255	-.551
CENTROID X	:	-.122	-.054	-.030
CENTROID Y	:	.092	-.064	.093
POA TO CENTROID in.	:	.153	.083	.123
MIN RADIUS	:	.379	.223	.354
MEAN RADIUS	:	.835	.744	.663
MAX RADIUS	:	1.532	1.452	1.430
HORIZONTAL SPREAD	:	2.188	2.188	2.188
VERTICAL SPREAD	:	2.816	1.789	.928
EXTREME SPREAD	:	2.952	2.190	2.190
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08349115

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 2

HS = 6.227

VS = 1.089

GS = 3.349

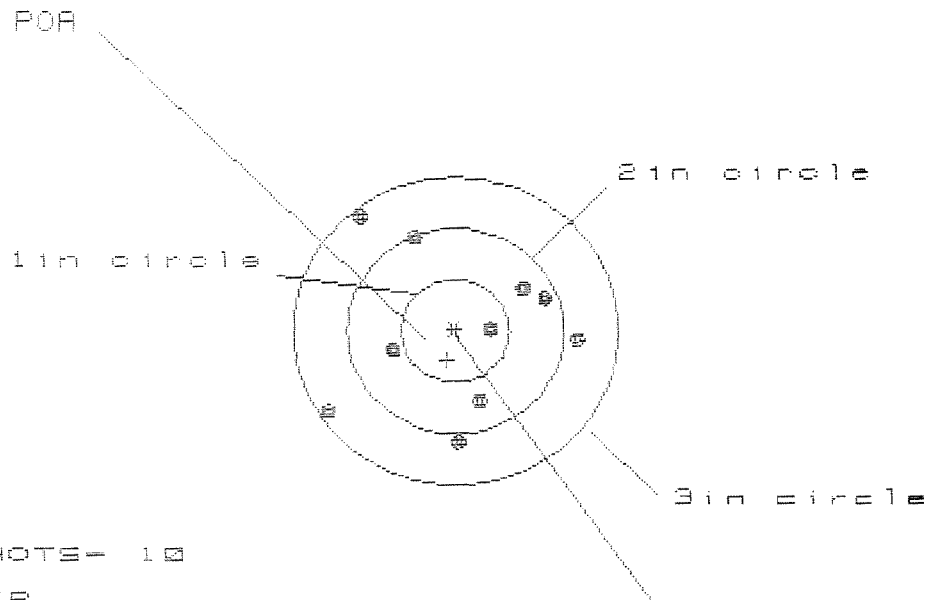
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.989	1.121	.982
MINIMUM X	:	-1.338	-1.117	-.963
MAXIMUM Y	:	.565	.613	.644
MINIMUM Y	:	-.524	-.461	-.430
CENTROID X	:	.136	-.085	.054
CENTROID Y	:	-.227	-.290	-.321
POA TO CENTROID in.	:	.264	.302	.325
MIN RADIUS	:	.168	.050	.088
MEAN RADIUS	:	.845	.658	.599
MAX RADIUS	:	2.068	1.213	1.072
HORIZONTAL SPREAD	:	3.327	2.238	1.945
VERTICAL SPREAD	:	1.089	1.074	1.074
EXTREME SPREAD	:	3.349	2.348	2.021
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6349115

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.374

VS= 2.248

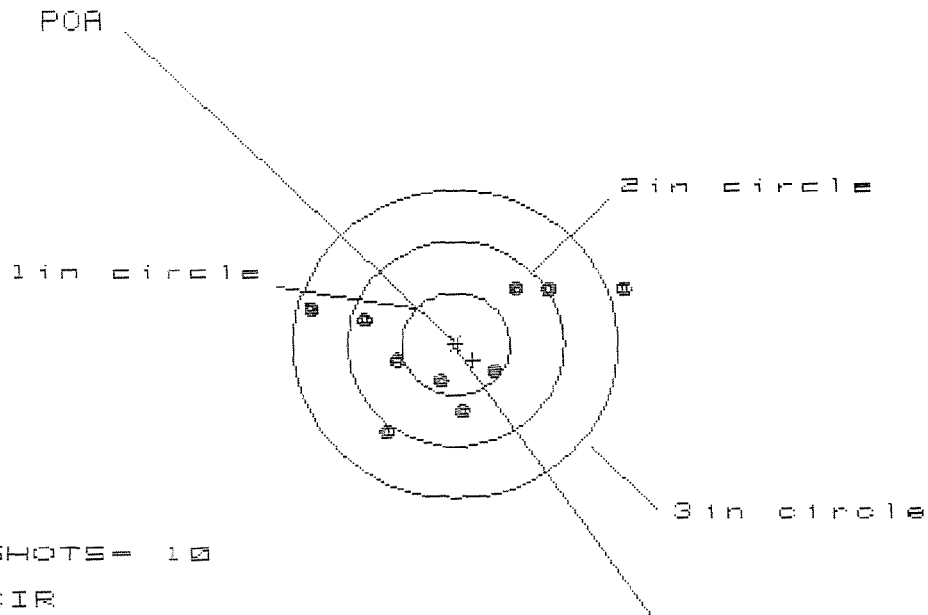
GS= 2.479

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.171	1.071	.988
MINIMUM X	:	-1.203	-1.303	-.877
MAXIMUM Y	:	1.163	1.080	.998
MINIMUM Y	:	-1.085	-.956	-1.038
CENTROID X	:	.076	.176	.339
CENTROID Y	:	.285	.156	.238
POA TO CENTROID in.	:	.295	.235	.414
MIN RADIUS	:	.295	.239	.064
MEAN RADIUS	:	.947	.867	.752
MAX RADIUS	:	1.467	1.461	1.186
HORIZONTAL SPREAD	:	2.374	2.374	1.785
VERTICAL SPREAD	:	2.248	2.036	2.036
EXTREME SPREAD	:	2.479	2.479	2.068
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08849115

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.829

VS= 1.431

GS= 2.841

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.526
MINIMUM X	-1.303
MAXIMUM Y	.575
MINIMUM Y	-.856
CENTROID X	-.158
CENTROID Y	.154
POA TO CENTROID in.	.221
MIN RADIUS	.371
MEAN RADIUS	.879
MAX RADIUS	1.631
HORIZONTAL SPREAD	2.829
VERTICAL SPREAD	1.431
EXTREME SPREAD	2.841
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

Remington[®]

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

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

MODEL 700TM H24

SERIAL NO.
C6349115

ORDER NO.
5716

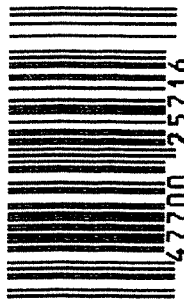
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6349115

UPC



0 47700 25716 7

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349115

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	3 31 90	RW
600	Proof		3 31 90	RW
607	Check Headspace		3 31 90	RW
610	Dis-assemble Gun		3 31 90	RW
612	Magnaflux Barrel Action		4-2-90	KCR
	Magnaflux Bolt		4-2-90	KCR
615	Rollmark Caliber		4-2-90	GL
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/7/90	TA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/8/90	JH
	G) Safety Off Force	2	2	2			5/8/90	JH
	H) Trigger Pull Test & Retainability						5/7/90	JH
	I) Firing Pin Indent	.020	.020	.020			5/8/90	JH
	J) Assemble Stock						5/9/90	RW
	K) Assemble Swivel Studs						5/16/90	WB
	L) Attach Front and Rear Sight Assemblies						5/9/90	RW
	M) Iron Sight Alignment						5/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/9/90	RW
	O) Attach Scope to Rifle						5/9/90	JH
	P) Detach & Attach Scope 20 Times						5/9/90	JH
640	Gallery Target & Test						5-11-90	DH
	A) Time						5-11-90	DH
	B) Malfunctions						5-11-90	DH
	C) Pierced Primers						5-11-90	DH
	D) Optical Clarity of Scope						5-11-90	DH
645	Inspect for Live Ammo						5-11-90	DH
655	Final Inspection						5/15/90	WB
	A) Headspace							
	B) Trigger Pull	2.50	2.52	2.55	2.54	2.52	5/15/90	WB
	C) Function						5/16/90	WB
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349115

DATE 5/7/80

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.26	2.38	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.41	2.40	2.52	
PULL #3	2.22	2.47	2.42	2.55	
PULL #4	2.30	2.40	2.41	2.54	
PULL #5	2.21	2.40	2.42	2.52	
TOTAL	11.82	11.94	12.03		
AVG.	2.364	2.388	2.406		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.45		
PULL #2	3.25	3.47		
PULL #3	3.15	3.49		
PULL #4	3.46	3.42		
PULL #5	3.43	3.40		
TOTAL	16.61	17.23		
AVG.	3.322	3.446		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.42		4.44
PULL #2	4.24	4.44		4.42
PULL #3	4.26	4.34		4.47
PULL #4	4.39	4.39		4.43
PULL #5	4.38	4.39		4.40
TOTAL	21.37	21.98		22.16
AVG.	4.274	4.396		4.432

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349115
11 May 1990

CENTROIDAL DISTANCES

0 TO	1	.408251
1 TO	2	.272738
1 TO	3	.186253
1 TO	4	.644189
1 TO	5	.158398

485 <----POA

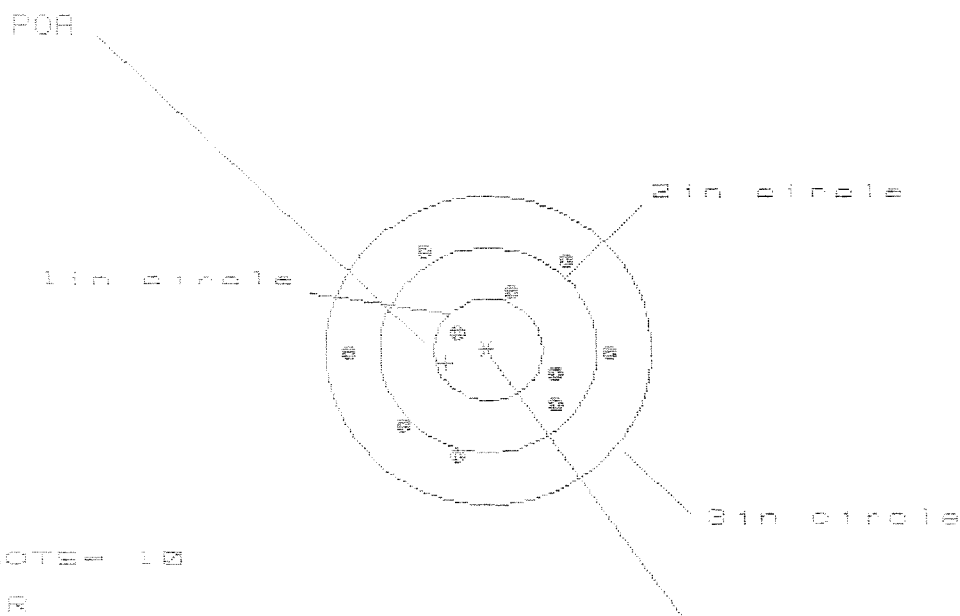
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2192
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0322
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .221552
THE AMR FOR THIS RIFLE IS: .9252

11 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349115

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

MEAN = 2.371

SD = 1.845

QSD = 2.372

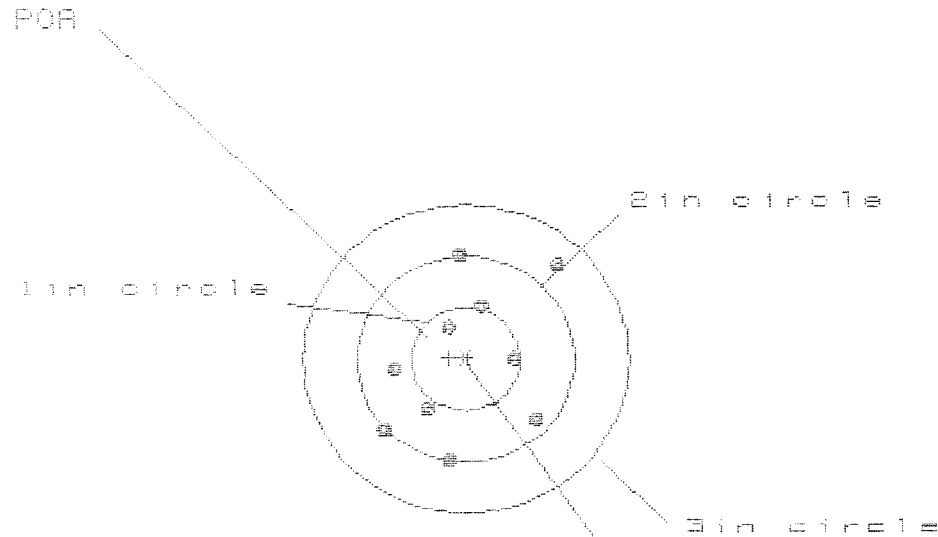
CENTROID *

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.081	.938	.844
MINIMUM X	-1.290	-.897	-.991
MAXIMUM Y	.921	.915	.974
MINIMUM Y	-1.024	-1.030	-.915
CENTROID X	.387	.530	.624
CENTROID Y	.130	.136	.021
POA TO CENTROID in.	.408	.547	.624
MIN RADIUS	.336	.462	.391
MEAN RADIUS	.911	.855	.802
MAX RADIUS	1.291	1.182	1.151
HORIZONTAL SPREAD	2.371	1.835	1.835
VERTICAL SPREAD	1.945	1.945	1.889
EXTREME SPREAD	2.372	2.107	2.107
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	10	

11 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349115

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.577

VS= 2.008

GS= 2.201

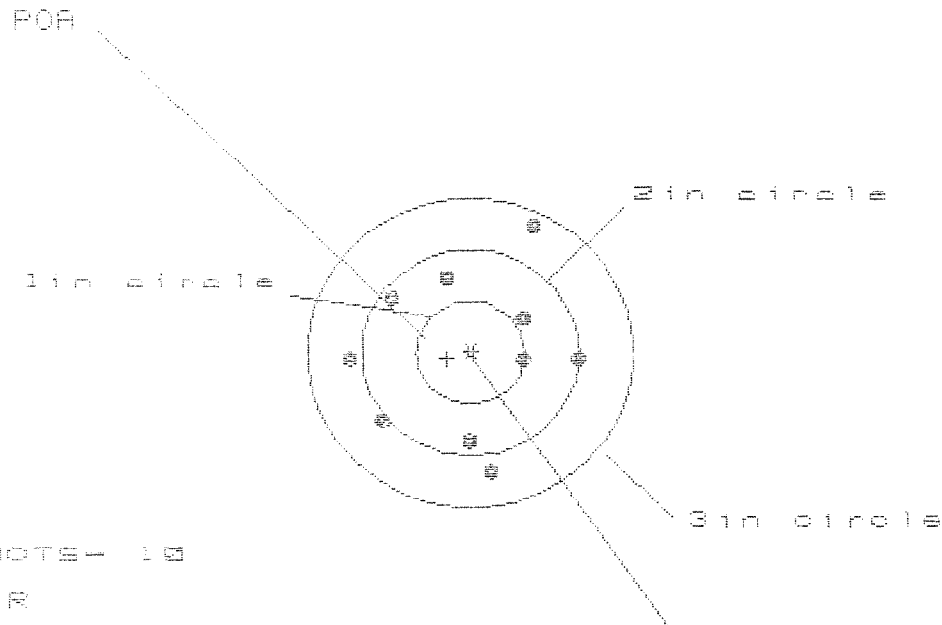
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.854	.712	.718
MINIMUM X	:	-.723	-.629	-.623
MAXIMUM Y	:	1.029	1.126	.786
MINIMUM Y	:	-.979	-.882	-.741
CENTROID X	:	.156	.062	.056
CENTROID Y	:	-.015	-.112	-.253
POR TO CENTROID in.	:	.157	.128	.259
MIN RADIUS	:	.397	.440	.323
MEAN RADIUS	:	.776	.718	.656
MAX RADIUS	:	1.222	1.127	.817
HORIZONTAL SPREAD	:	1.577	1.341	1.341
VERTICAL SPREAD	:	2.008	2.008	1.527
EXTREME SPREAD	:	2.201	2.009	1.545
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

11 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06949115

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 8

2 in = 2

3 in = 0

ISE = 0.128

VO = 0.496

OS = 0.471

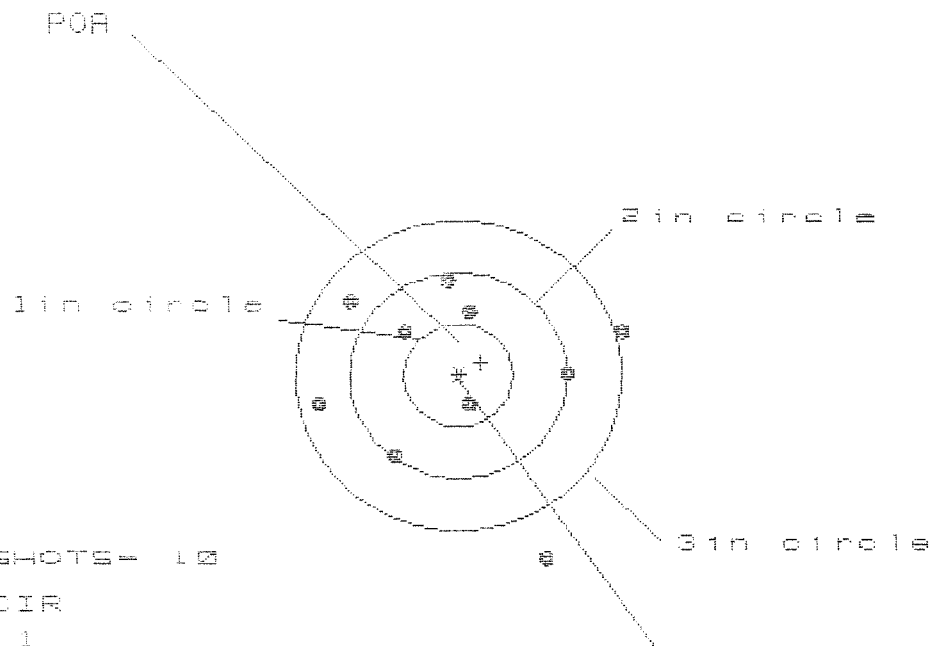
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.977	1.046	1.084
MINIMUM X	:	-1.148	-1.079	-1.041
MAXIMUM Y	:	1.264	.889	.760
MINIMUM Y	:	-1.175	-1.035	-.839
CENTROID X	:	.214	.145	.107
CENTROID Y	:	.061	-.079	.058
POB TO CENTROID in.	:	.223	.165	.113
MIN RADIUS	:	.523	.591	.628
MEAN RADIUS	:	.946	.892	.860
MAX RADIUS	:	1.411	1.085	1.085
HORIZONTAL SPREAD	:	2.125	2.125	2.125
VERTICAL SPREAD	:	2.439	1.924	1.599
EXTREME SPREAD	:	2.471	2.125	2.125
NUMBER IN ONE INCH CIRCLE	=		8	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		0	

11 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08349115

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HE= 2.766

VE= 2.710

GE= 3.029

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.465	1.550	1.287
MINIMUM X	-1.301	-1.216	-1.022
MAXIMUM Y	.965	.771	.802
MINIMUM Y	-1.745	-1.013	-.981
CENTROID X	-.205	-.290	-.484
CENTROID Y	-.124	.070	.039
POA TO CENTROID in.	.240	.299	.486
MIN RADIUS	.350	.432	.356
MEAN RADIUS	1.059	.934	.842
MAX RADIUS	1.907	1.570	1.293
HORIZONTAL SPREAD	2.766	2.766	2.309
VERTICAL SPREAD	2.710	1.784	1.784
EXTREME SPREAD	3.029	2.863	2.333
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

11 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349115

CENTERFIRE PATTERNS

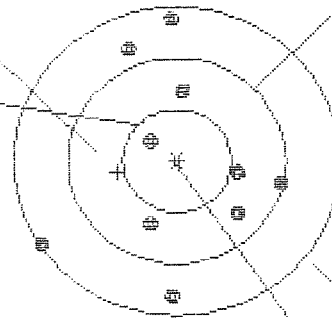
5

POA

1in circle

2in circle

3in circle



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.206

VS = 2.709

GS = 2.709

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.990	.854	.836
MINIMUM X	:	-1.216	-.609	-.627
MAXIMUM Y	:	1.434	1.347	1.177
MINIMUM Y	:	-1.274	-1.362	-1.193
CENTROID X	:	.544	.680	.698
CENTROID Y	:	.109	.196	.027
POA TO CENTROID in.	:	.555	.707	.698
MIN RADIUS	:	.344	.434	.445
MEAN RADIUS	:	.934	.865	.786
MAX RADIUS	:	1.447	1.373	1.333
HORIZONTAL SPREAD	:	2.206	1.463	1.463
VERTICAL SPREAD	:	2.709	2.709	2.370
EXTREME SPREAD	:	2.709	2.709	2.408
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349115
18 Jun 1990

CENTROIDAL DISTANCES

Ø TO	1	.868666
1 TO	2	1.13992
1 TO	3	.602665
1 TO	4	.884304
1 TO	5	.479067

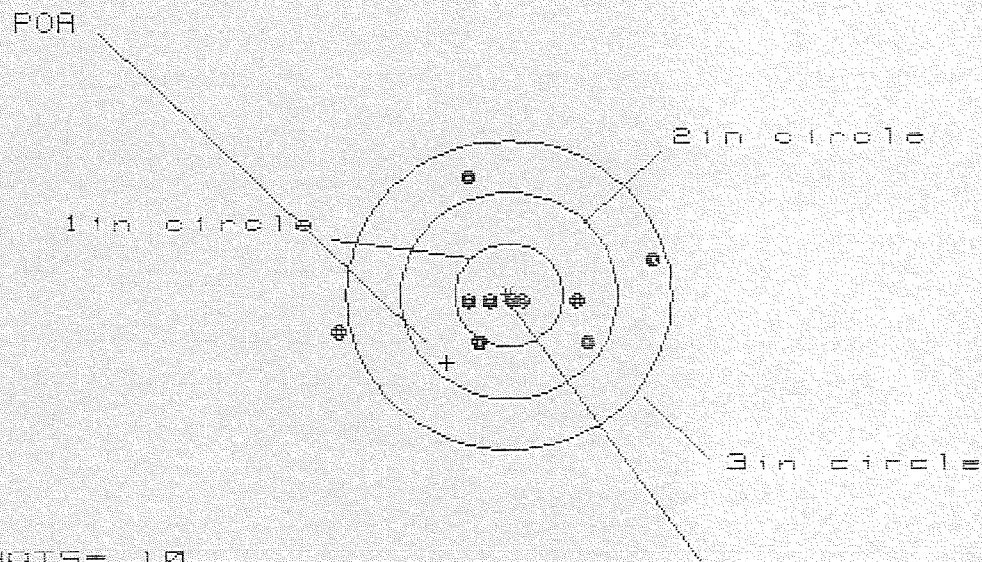
1
5
+ 3 4 2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5272
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0828
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .533663
THE AMR FOR THIS RIFLE IS: .799

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349115.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.931

VS= 1.638

GS= 3.017

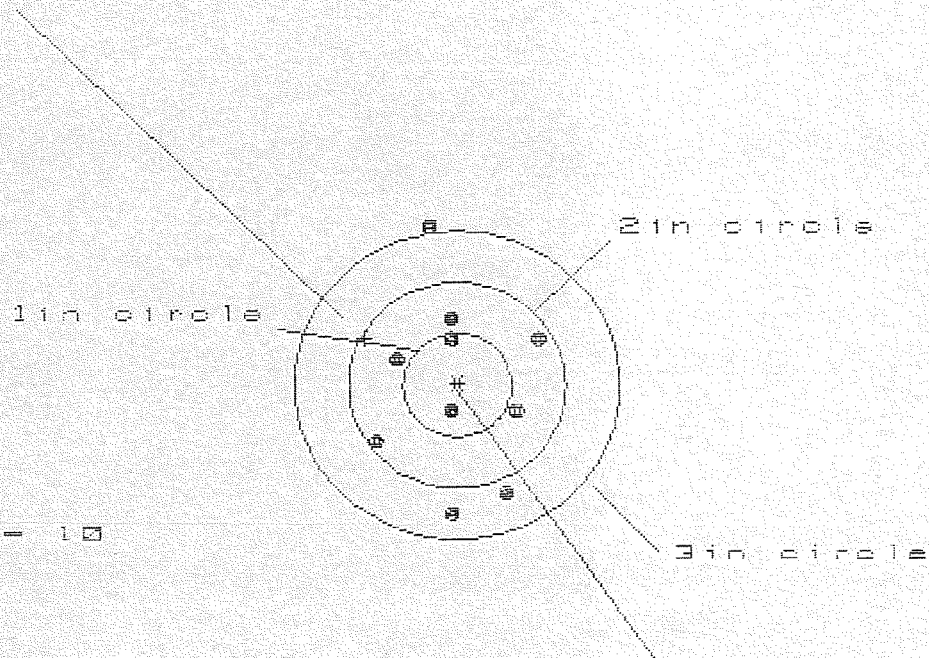
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.196	.672
MINIMUM X	:	-1.562	-.582	-.433
MAXIMUM Y	:	1.140	1.095	1.129
MINIMUM Y	:	-.498	-.543	-.509
CENTROID X	:	.574	.747	.598
CENTROID Y	:	.652	.697	.663
POA TO CENTROID in.	:	.869	1.022	.893
MIN RADIUS	:	.062	.096	.076
MEAN RADIUS	:	.691	.609	.490
MAX RADIUS	:	1.612	1.226	1.196
HORIZONTAL SPREAD	:	2.931	1.778	1.105
VERTICAL SPREAD	:	1.638	1.638	1.638
EXTREME SPREAD	:	3.017	1.925	1.912
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

13 Jun 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8349115.1

CENTERFIRE PATTERNS # 2

POB



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.441

VS= 2.857

GS= 2.862

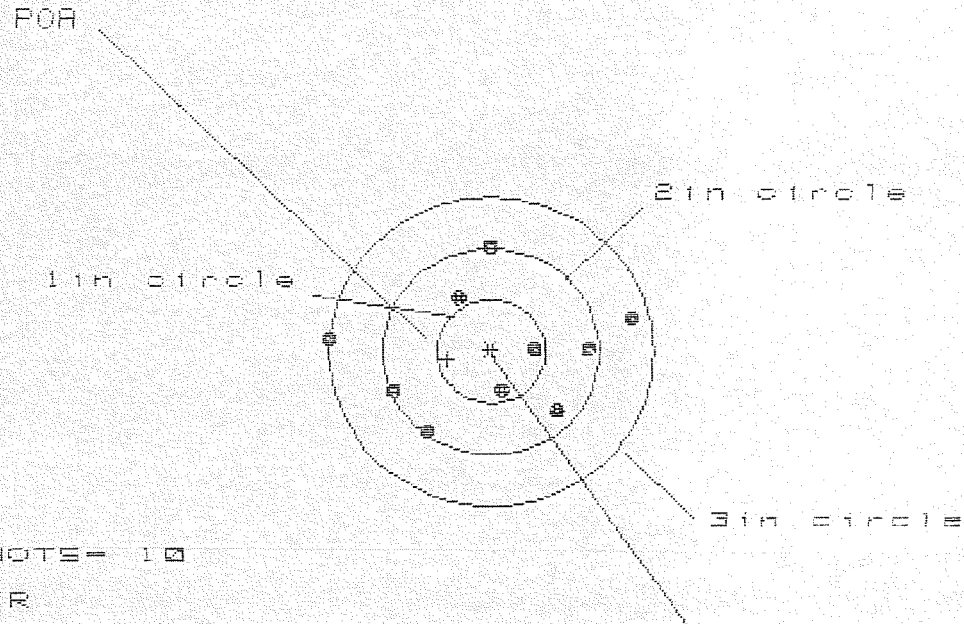
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.697	.672	.662
MINIMUM X	:	-.744	-.769	-.779
MAXIMUM Y	:	1.590	.842	.705
MINIMUM Y	:	-1.267	-1.090	-1.039
CENTROID X	:	.854	.879	.889
CENTROID Y	:	-.453	-.630	-.493
POB TO CENTROID in.	:	.966	1.081	1.017
MIN RADIUS	:	.239	.092	.211
MEAN RADIUS	:	.840	.746	.692
MAX RADIUS	:	1.606	1.094	1.114
HORIZONTAL SPREAD	:	1.441	1.441	1.441
VERTICAL SPREAD	:	2.857	1.932	1.744
EXTREME SPREAD	:	2.862	1.932	1.820
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349115.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.862

VS= 1.870

GS= 2.871

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.332	1.162	.893
MINIMUM X	:	-1.530	-1.080	-.935
MAXIMUM Y	:	1.061	1.075	1.122
MINIMUM Y	:	-.809	-.795	-.748
CENTROID X	:	.480	.570	.425
CENTROID Y	:	.075	.061	.014
POA TO CENTROID in.	:	.407	.574	.425
MIN RADIUS	:	.369	.207	.339
MEAN RADIUS	:	.910	.814	.767
MAX RADIUS	:	1.536	1.220	1.122
HORIZONTAL SPREAD	:	2.862	2.242	1.828
VERTICAL SPREAD	:	1.870	1.870	1.870
EXTREME SPREAD	:	2.871	2.350	1.982
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349115.1

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 1.755

VS = 2.250

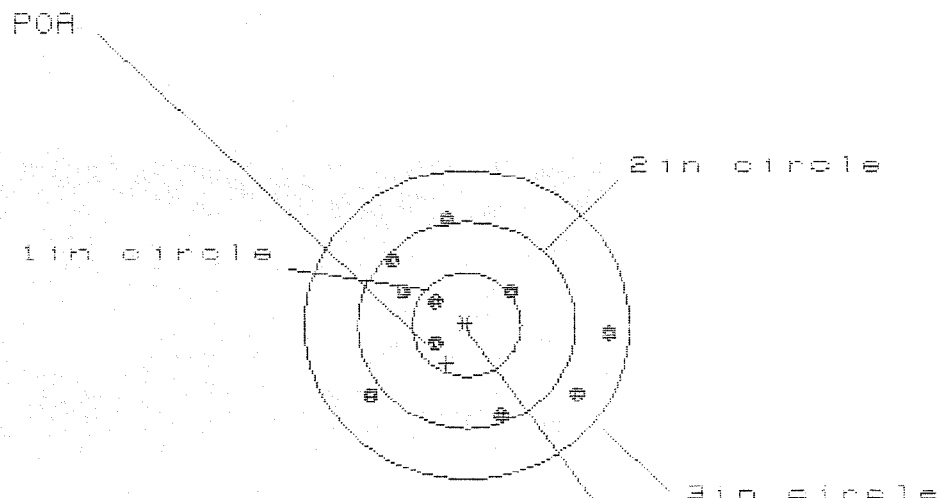
GS = 2.250

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.706	.589	.532
MINIMUM X	-1.049	-.493	-.550
MAXIMUM Y	1.107	1.189	1.057
MINIMUM Y	-1.143	-1.061	-.660
CENTROID X	.622	.739	.796
CENTROID Y	-.231	-.313	-.181
POA TO CENTROID in.	.664	.802	.816
MIN RADIUS	.227	.087	.158
MEAN RADIUS	.702	.598	.536
MAX RADIUS	1.284	1.287	1.191
HORIZONTAL SPREAD	1.755	1.082	1.082
VERTICAL SPREAD	2.250	2.250	1.717
EXTREME SPREAD	2.250	2.250	1.804
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

15 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8348115.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIRCLES = 10

1in = 2

2in = 5

3in = 10

HS = 2.225

VS = 1.917

GS = 2.313

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.311	1.185	.688
MINIMUM X	-.914	-.769	-.621
MAXIMUM Y	1.004	.998	.914
MINIMUM Y	-.913	-.919	-1.003
CENTROID X	.186	.041	-.107
CENTROID Y	.371	.377	.461
POA TO CENTROID in.	.415	.379	.473
MIN RADIUS	.364	.259	.132
MEAN RADIUS	.852	.768	.652
MAX RADIUS	1.312	1.362	1.162
HORIZONTAL SPREAD	2.225	1.954	1.301
VERTICAL SPREAD	1.917	1.917	1.917
EXTREME SPREAD	2.313	2.130	1.987
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		