

C6225548

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: **RE00032496** Serial: C6225548 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 14 of 25 Repairman: Status: New 9/14/01 3:09:50 PM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: DEFENCE DIST DEPOT ANNISTON DEFENCE DIST DEPOT ANNISTON

Address 1: 7 FRANKFORD AVE 7 FRANKFORD AVE

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

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
X001	Scope Case	1
X002	Deployment Kit	1

Repair Search Refresh Close

magletj 9/17/01 7:49 AM CAPS NUM TMS SCFL

Start Arms Services Repair & Es... 7:49 AM

Serial Number:

C6225548

Model: **700**



RE00032496

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225548
3 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0664
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0146
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0679862

THE AMR FOR THIS RIFLE IS: 1.147

CENTROIDAL DISTANCES

Ø TO	1	.164344
1 TO	2	.588031
1 TO	3	.0852115
1 TO	4	.637572
1 TO	5	.438211

2

13⁺ 4<----POA

5

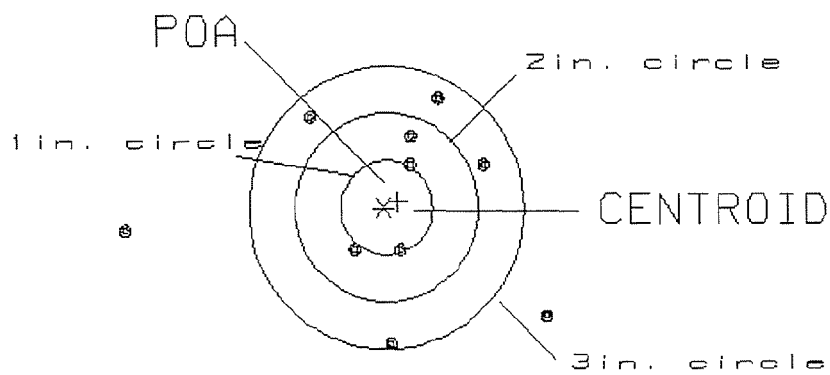
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .164
 MIN RADIUS : .488
 MEAN RADIUS : 1.255
 MAX RADIUS : 2.856
 CENTROID X : -.153
 CENTROID Y : -.060

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225540

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.64

1

VS= 2.66

4

GS= 4.72

8

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .526

MIN RADIUS : .277

MEAN RADIUS : 1.171

MAX RADIUS : 1.911

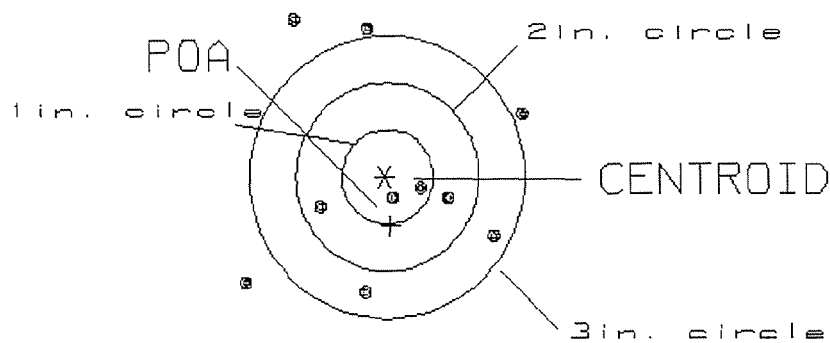
CENTROID X : -.069

CENTROID Y : .522

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225548

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.02

2

VS= 2.82

4

GS= 3.50

6

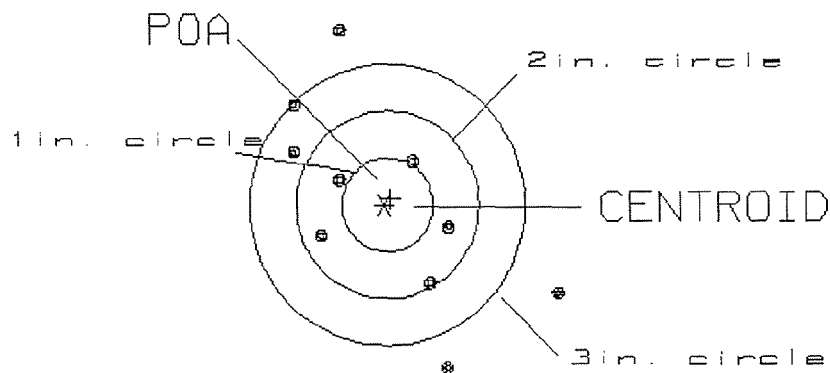
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .095
 MIN RADIUS : .510
 MEAN RADIUS : 1.207
 MAX RADIUS : 2.037
 CENTROID X : -.068
 CENTROID Y : -.066

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225548

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.88

0

VS= 3.60

5

GS= 3.80

7

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .485

MIN RADIUS : .068

MEAN RADIUS : .926

MAX RADIUS : 2.353

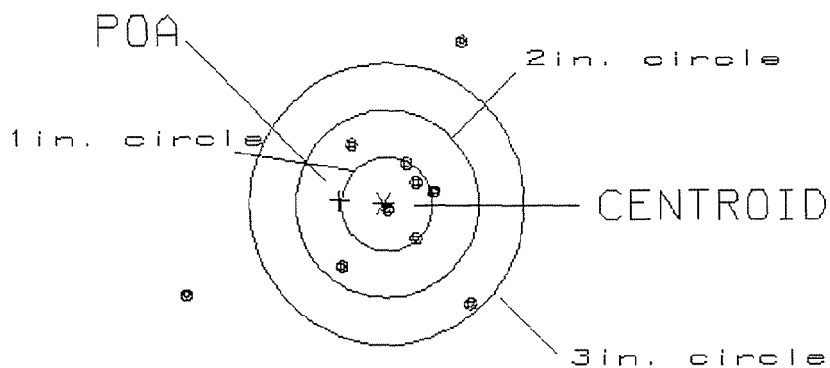
CENTROID X : .484

CENTROID Y : -.033

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225548

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.11

3

VS= 2.66

7

GS= 4.00

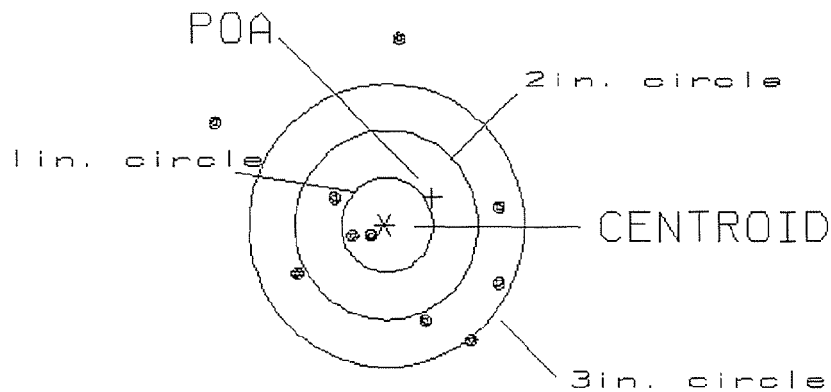
8

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .600
 MIN RADIUS : .186
 MEAN RADIUS : 1.178
 MAX RADIUS : 2.137
 CENTROID X : -.526
 CENTROID Y : -.290

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225548

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.09

2

VS= 3.29

3

GS= 3.64

7

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 32496			
SERIAL NUMBER C622 5548			
LOG-IN DATE 9-13-01			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-18-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	9/20/01	BWT
B	DRILL AND TAP	9/20/01	BWT
C	POLISH	9-20-01	GP
575	ASSEMBLE	9-20-01	RH
600	PROOF	9-21-01	RH
605	CHECK HEADSPACE	9-24-01	RH
610	DIS-ASSEMBLE GUN	9-24-01	RH
612	MAGNAFLUX	9/24/01	AL
615	ROLLMARK CALIBER	9/20/01	RW
618	ROTO-BLAST	9/25	IS
620	APPLY COATINGS	9/28	RH
625 A	FINAL ASSEMBLY	10-1-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/2/01	RH
655	FINAL INSPECT	10-4-01	RH
660	PACK	10-5-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C622-5548

DATE REC'D: 9-13-01

DATE RET'D: N/A

Inspector: [Signature]

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: _____

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

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

MODEL 700™ H24

SERIAL NO.
C6225548

ORDER NO.
5716

UPC

0 47700 25716 7

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

MODEL 700™ H24

SERIAL NO.
C6225548

ORDER NO.
5716

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225548

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12 22 88	RK.
	Magnaflux Bolt		1-3-89	RK.
615	Rollmark Caliber		12/2/88	W.D.C.
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	W.D.
620	Apply Coatings (Barrel Action)		1-18-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/3/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/3/89	RW
	C) Inspect Ejector Hole for Chamfer		2/3/89	RW
	D) Oil Firing Pin Ass'y		2/3/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/26/89	JD

op. #	OP. NAME	READINGS			DATE	INITIAL
625 cont.	F) Safety On Force	6	5	5	6/9/89	JSS
	G) Safety Off Force	3	3	3	6/9/89	JSS
	H) Trigger Pull Test & Retainability				3/3/89	JSS
	I) Firing Pin Indent	.021	.021	.021	6/9/89	JSS
	J) Assemble Stock				2/13/89	RW
	K) Assemble Swivel Studs				16/9/89	JSS
	L) Attach Front and Rear Sight Assemblies				2/13/89	RW
	M) Iron Sight Alignment				2/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container				2/13/89	RW
	O) Attach Scope to Rifle				15/2/89	JSS
	P) Detach & Attach Scope 20 Times				15/2/89	JSS
640	Gallery Target & Test	47R	107L		2/15/89	AC
	A) Time				11	AC
	B) Malfunctions		NONE		11	AC
	C) Pierced Primers		NONE		11	AC
	D) Optical Clarity of Scope		OK		2/15/89	AC
645	Inspect for Live Ammo		NONE		2/15/89	AC
655	Final Inspection					
	A) Headspace				16/9/89	JSS
	B) Trigger Pull	2.35	2.47	2.59	16/9/89	JSS
	C) Function				16/9/89	JSS
660	Pack				22/10/89	JSS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 5548
C6725077

DATE 5/9/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.55	2.17	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.32	2.34	2.78	
PULL #3	2.50	2.42	2.27	2.62	
PULL #4	2.41	2.55	2.40	2.76	
PULL #5	2.41	2.51	2.44	2.68	
TOTAL	12.35	12.35	11.62	13.35	
AVG.	2.47	2.47	2.32	2.67	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.10		
PULL #2	3.27	3.24		
PULL #3	3.08	3.19		
PULL #4	3.21	3.26		
PULL #5	3.14	3.10		
TOTAL	15.90	15.89		
AVG.	3.18	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.10	4.03	4.03
PULL #2	4.14	4.10	3.	3.95
PULL #3	4.11	4.12		4.09
PULL #4	4.19	4.12		3.98
PULL #5	4.13	4.09		4.06
TOTAL	20.67	20.53		20.11
AVG.	4.13	4.11		4.02

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225548
17 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.0483322
1 TO	2	.123369
1 TO	3	.509181
1 TO	4	.353074
1 TO	5	.483175

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

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.233
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .254108

THE AMR FOR THIS RIFLE IS: .923

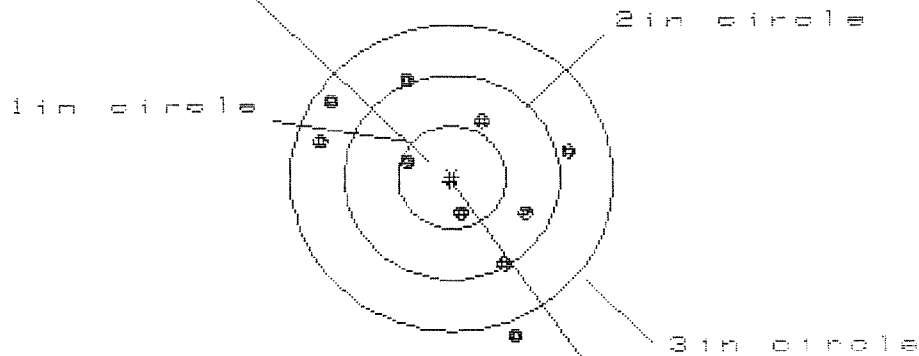
17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225548

CENTERFIRE PATTERNS

1

POA



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.261

VS = 2.415

GS = 2.891

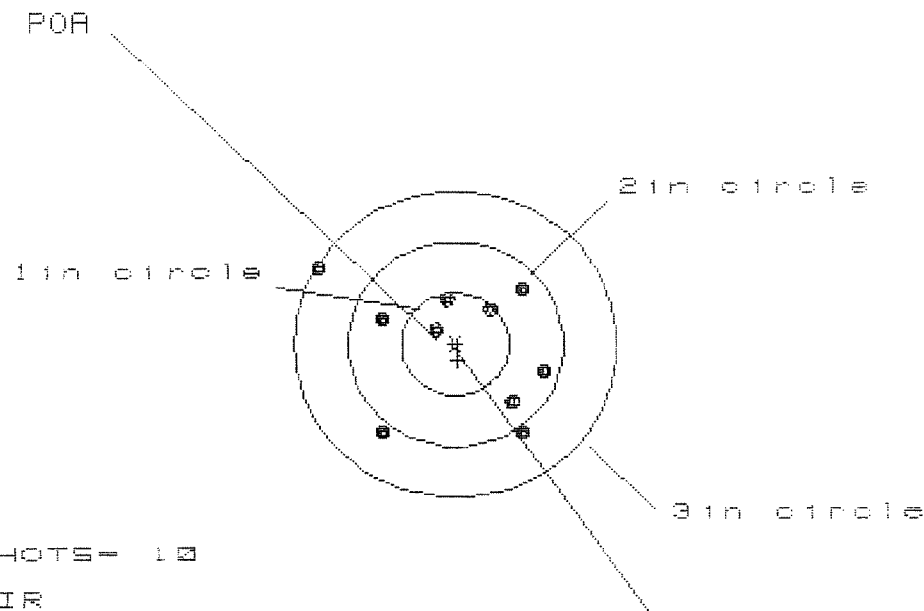
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.042	1.107	.970
MINIMUM X	-1.219	-1.154	-1.291
MAXIMUM Y	.911	.744	.824
MINIMUM Y	-1.504	-1.036	-.956
CENTROID X	.020	-.045	.092
CENTROID Y	.044	.211	.131
POA TO CENTROID in.	.048	.216	.160
MIN RADIUS	.336	.391	.403
MEAN RADIUS	.959	.878	.815
MAX RADIUS	1.613	1.267	1.324
HORIZONTAL SPREAD	2.261	2.261	2.261
VERTICAL SPREAD	2.415	1.780	1.780
EXTREME SPREAD	2.891	2.341	2.264
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225548

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.101

VS= 1.619

GS= 2.507

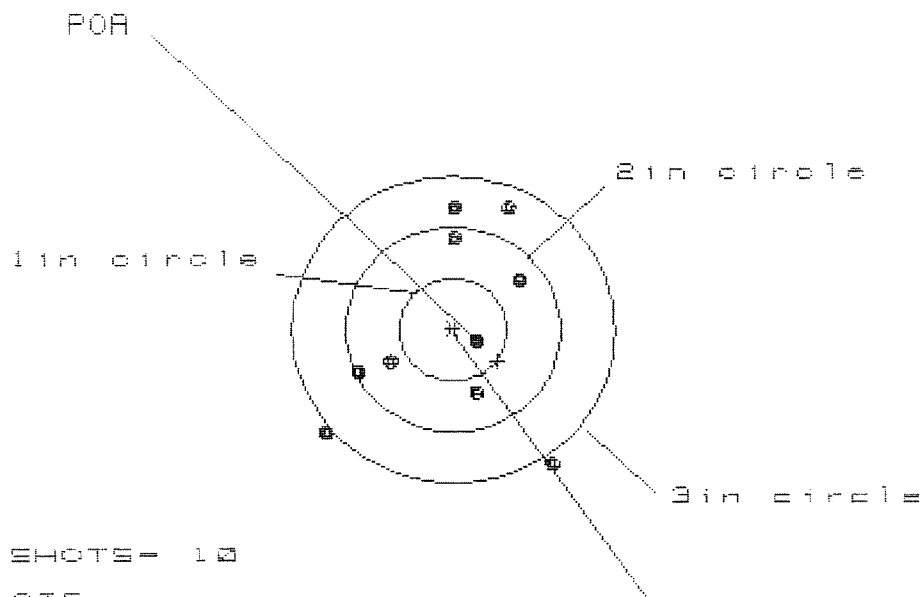
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.804	.660	.557
MINIMUM X	-1.297	-.829	-.920
MAXIMUM Y	.744	.641	.542
MINIMUM Y	-.875	-.793	-.860
CENTROID X	-.022	.122	.225
CENTROID Y	.160	.078	.177
POA TO CENTROID in.	.162	.144	.286
MIN RADIUS	.290	.454	.349
MEAN RADIUS	.799	.717	.639
MAX RADIUS	1.495	1.147	.953
HORIZONTAL SPREAD	2.101	1.489	1.477
VERTICAL SPREAD	1.619	1.434	1.402
EXTREME SPREAD	2.507	1.947	1.720
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225548

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HE= 2.137

VE= 2.490

GS= 2.821

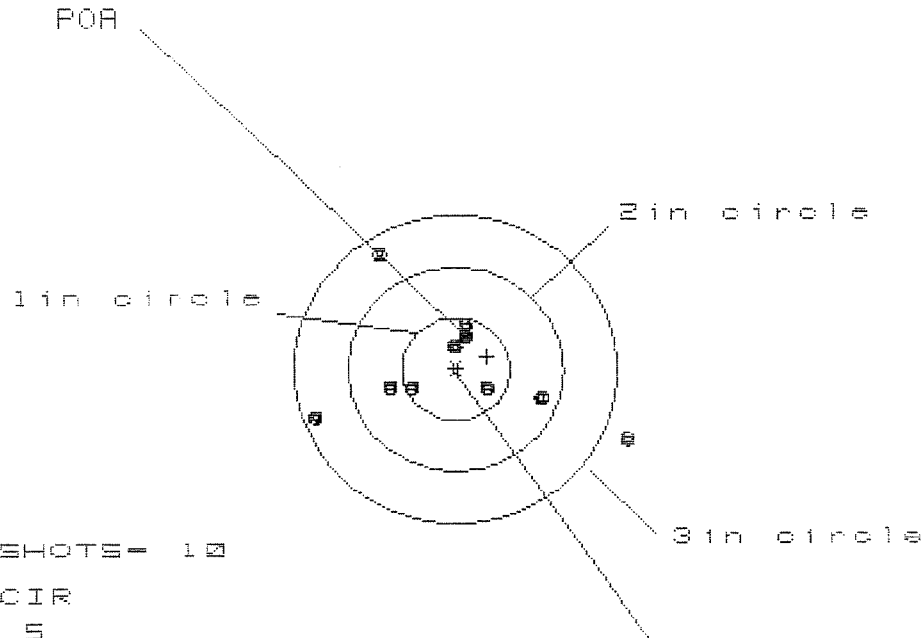
CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.948	.697	.561
MINIMUM X	-1.189	-1.084	-.877
MAXIMUM Y	1.201	1.050	.912
MINIMUM Y	-1.288	-1.174	-.929
CENTROID X	-.416	-.521	-.385
CENTROID Y	.307	.451	.597
POA TO CENTROID in.	.517	.689	.711
MIN RADIUS	.252	.421	.456
MEAN RADIUS	.986	.919	.814
MAX RADIUS	1.599	1.598	1.119
HORIZONTAL SPREAD	2.137	1.781	1.438
VERTICAL SPREAD	2.490	2.232	1.841
EXTREME SPREAD	2.821	2.821	2.120
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225548

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 9

HS= 2.868

VS= 1.747

GS= 2.873

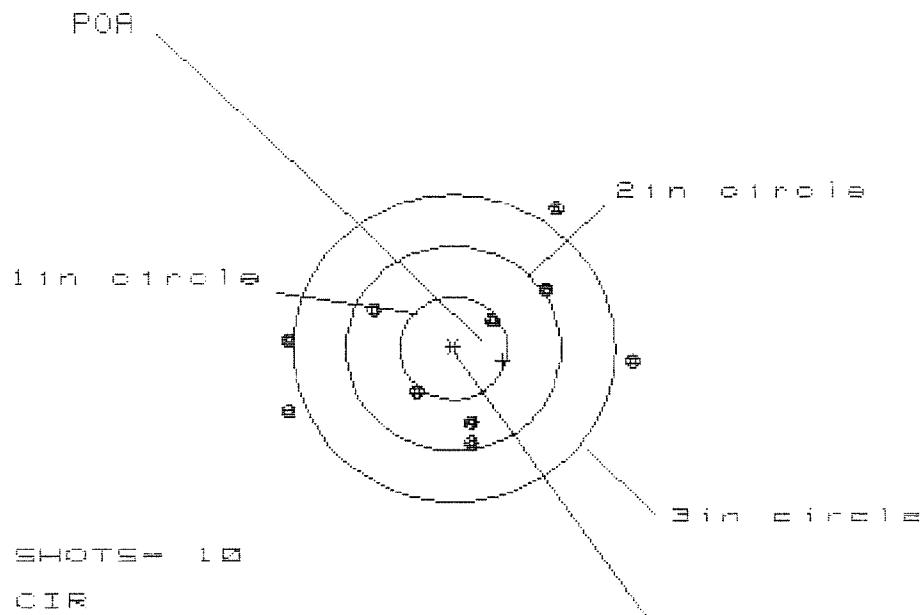
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.594	1.008	.871
MINIMUM X	-1.274	-1.097	-.620
MAXIMUM Y	1.076	1.002	.930
MINIMUM Y	-.671	-.572	-.403
CENTROID X	-.290	-.467	-.330
CENTROID Y	-.125	-.051	.021
POA TO CENTROID in.	.316	.469	.330
MIN RADIUS	.180	.184	.035
MEAN RADIUS	.759	.642	.530
MAX RADIUS	1.729	1.238	1.118
HORIZONTAL SPREAD	2.868	2.105	1.491
VERTICAL SPREAD	1.747	1.574	1.303
EXTREME SPREAD	2.873	2.119	2.000
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225548

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 3.211

VS= 2.343

GS= 3.245

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.654	1.761	1.581
MINIMUM X	-1.557	-1.450	-1.630
MAXIMUM Y	1.417	.753	.698
MINIMUM Y	-.926	-.769	-.824
CENTROID X	-.457	-.564	-.384
CENTROID Y	.121	-.036	.019
POA TO CENTROID in.	.473	.565	.384
MIN RADIUS	.421	.334	.446
MEAN RADIUS	1.112	1.024	.956
MAX RADIUS	1.710	1.763	1.636
HORIZONTAL SPREAD	3.211	3.211	3.211
VERTICAL SPREAD	2.343	1.522	1.522
EXTREME SPREAD	3.245	3.245	3.213
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		