

C6348879

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: **RE00014567** Serial: C6348879 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 9/27/00 2:51:53 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **HSC 3RD BN 3RD SFG (A)** **HSC 3RD BN 3RD SFG (A)**

Address 1: **BLDG J 2050** **BLDG J 2050**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Port:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

maglel 9/28/00 7:26 AM CAPS NUM IIS SCPL

Start In Na Ex Mi Per Ar Om Pl 7:26 AM

Serial Number: **C6348879**

Model: **700**



RE00014567

BBL 96003

Final Inspection

S.N. C6348879

DATE REC'D: 9-26-00

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:

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

[illegible]

BARBER - M24 0040529

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348879
23 Oct 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1112
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0032
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .111246

THE AMR FOR THIS RIFLE IS: 1.16

CENTROIDAL DISTANCES

Ø TO	1	.349314
1 TO	2	.591522
1 TO	3	.8272
1 TO	4	.76922
1 TO	5	.387332

4 3
5 <----POA
1
2

BARBER - M24 0040530

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .349

MIN RADIUS : .431

MEAN RADIUS : 1.340

MAX RADIUS : 2.744

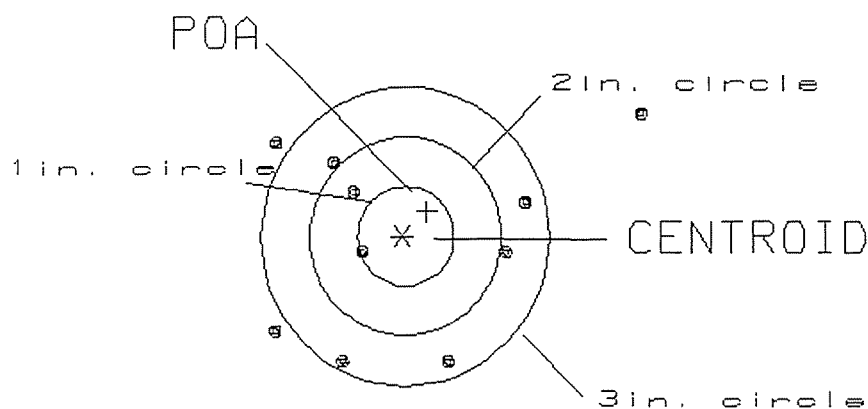
CENTROID X : -.248

CENTROID Y : -.246

23 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348879.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.85

1

VS= 2.49

2

GS= 4.44

7

BARBER - M24 0040531

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

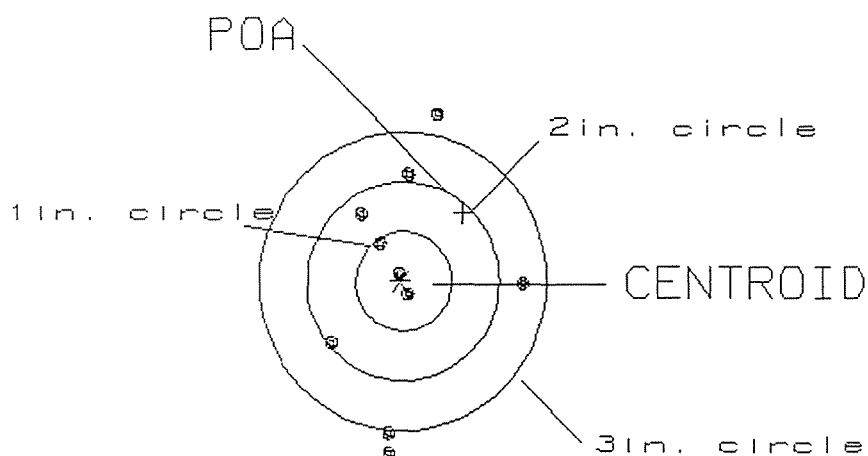
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .941
 MIN RADIUS : .073
 MEAN RADIUS : .977
 MAX RADIUS : 1.756
 CENTROID X : -.651
 CENTROID Y : -.679

23 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348879.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.01
 VS= 3.44
 GS= 3.48

3
 5
 7

BARBER - M24 0040532

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

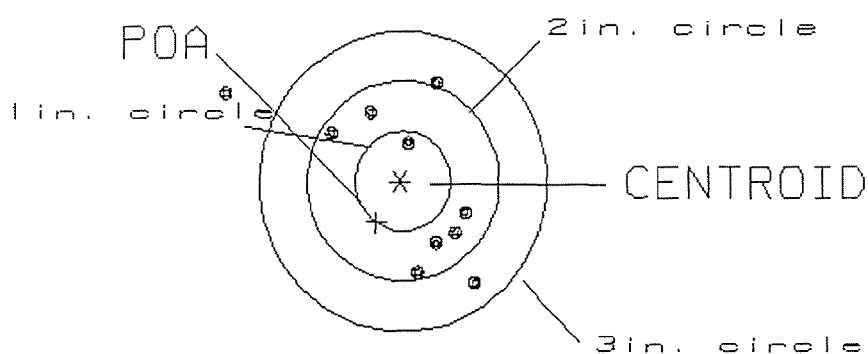
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .484
MIN RADIUS : .340
MEAN RADIUS : .955
MAX RADIUS : 2.076
CENTROID X : .248
CENTROID Y : .416

23 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348879.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.60

1

VS= 1.98

7

GS= 3.24

9

BARBER - M24 0040533

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .453

MIN RADIUS : .417

MEAN RADIUS : 1.125

MAX RADIUS : 2.484

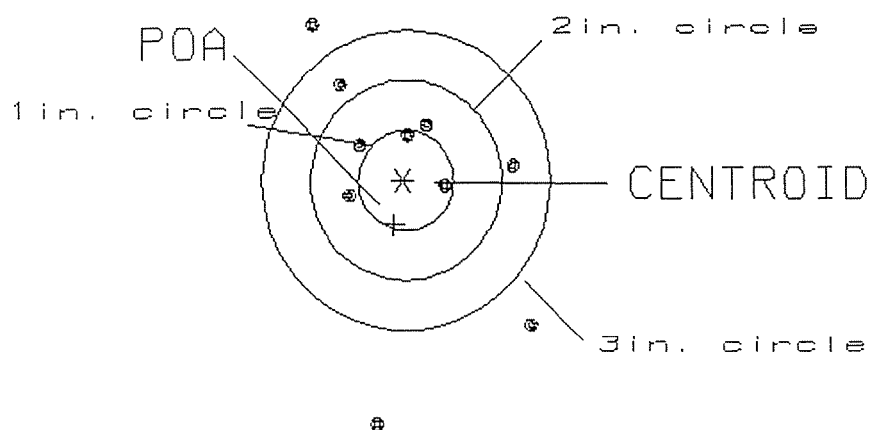
CENTROID X : .092

CENTROID Y : .444

23 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348879.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.35

2

VS= 4.00

5

GS= 4.05

7

BARBER - M24 0040534

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .050

MIN RADIUS : .694

MEAN RADIUS : 1.403

MAX RADIUS : 2.776

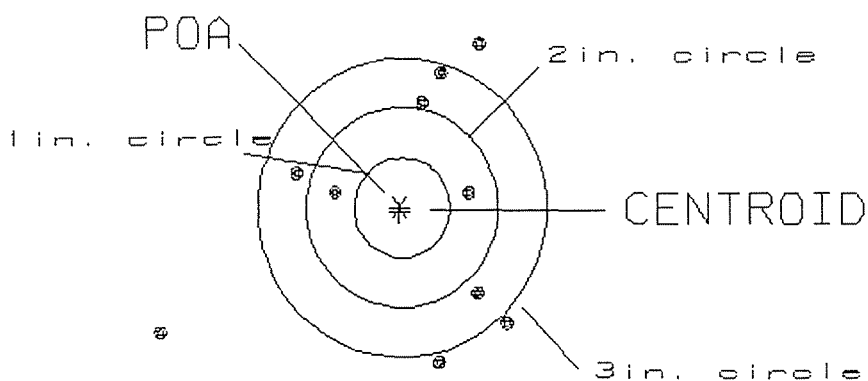
CENTROID X : .003

CENTROID Y : .049

23 Oct 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348879.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.58

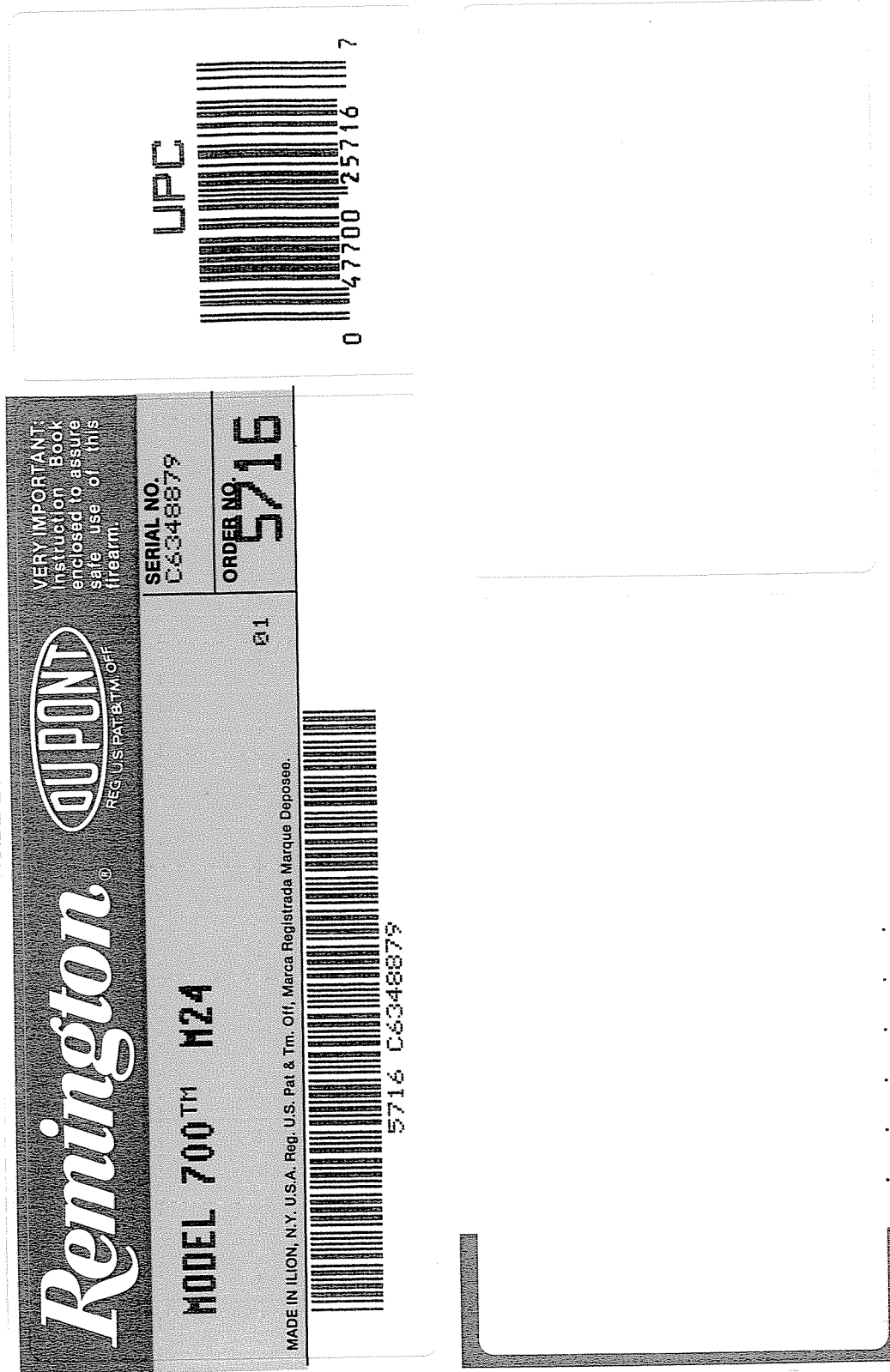
0

VS= 3.23

2

GS= 4.36

6



INTERCHANGEABILITY

BARBER - M24 0040536

M-24

Score 0125

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348879

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	8 11 89	RW
600	Proof		8 11 89	RW
607	Check Headspace		8 11 89	RW
610	Dis-assemble Gun		8 11 89	RW
612	Magnaflux Barrel Action		8/15/89	KCR
	Magnaflux Bolt		8/15/89	KCR
615	Rollmark Caliber		8/15/89	JS
617	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel RB	8 16	89	
620	Apply Coatings (Barrel Action)		8-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/21/89	RW
	C) Inspect Ejector Hole for Chamfer		8/21/89	RW
	D) Oil Firing Pin Ass'y		8/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/89	RL

op. #	BARBER - M24 0040537 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/22/89	WB
	G) Safety Off Force	3 1/2	3 1/4	3 1/4			8/22/89	WB
	H) Trigger Pull Test & Retainability						8/22/89	JU
	I) Firing Pin Indent	.0714	.072	.0715			8/22/89	WB
	J) Assemble Stock						8/23/89	RW
	K) Assemble Swivel Studs						23 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/23/89	RW
	M) Iron Sight Alignment						8/23/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/23/89	RW
	O) Attach Scope to Rifle						8/23/89	WB
	P) Detach & Attach Scope 20 Times						8/23/89	WB
640	Gallery Target & Test	80 R	73L				8-23-89	AC
	A) Time						8-23-89	AC
	B) Malfunctions						8-23-89	AC
	C) Pierced Primers						8-23-89	AC
	D) Optical Clarity of Scope						8-23-89	AC
645	Inspect for Live Ammo						8-23-89	AC
655	Final Inspection							
	A) Headspace						23 Aug 89	JS
	B) Trigger Pull	269	283	249	253	265	23 Aug 89	JS
	C) Function						23 Aug 89	JS
660	Pack						20 Sep 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348879

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.21	2.34	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.18	2.49	
PULL #3	2.27	2.18	2.48	
PULL #4	2.22	2.21	2.36	
PULL #5	2.22	2.15	2.33	
TOTAL	11.07	11.06	12.00	
AVG.	2.21	2.21	2.40	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.11	3.44	
PULL #2	3.24	3.24	
PULL #3	3.18	3.22	
PULL #4	3.15	3.23	
PULL #5	3.22	3.21	
TOTAL	15.80	16.34	
AVG.	3.16	3.26	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.31		
PULL #2	4.21	4.21		
PULL #3	4.18	4.16		
PULL #4	4.16	4.22		
PULL #5	4.14	4.24		
TOTAL	21.13	21.14		
AVG.	4.22	4.22		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348879
23 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.194178
1 TO	2	.451283
1 TO	3	.458481
1 TO	4	.29588
1 TO	5	.274447

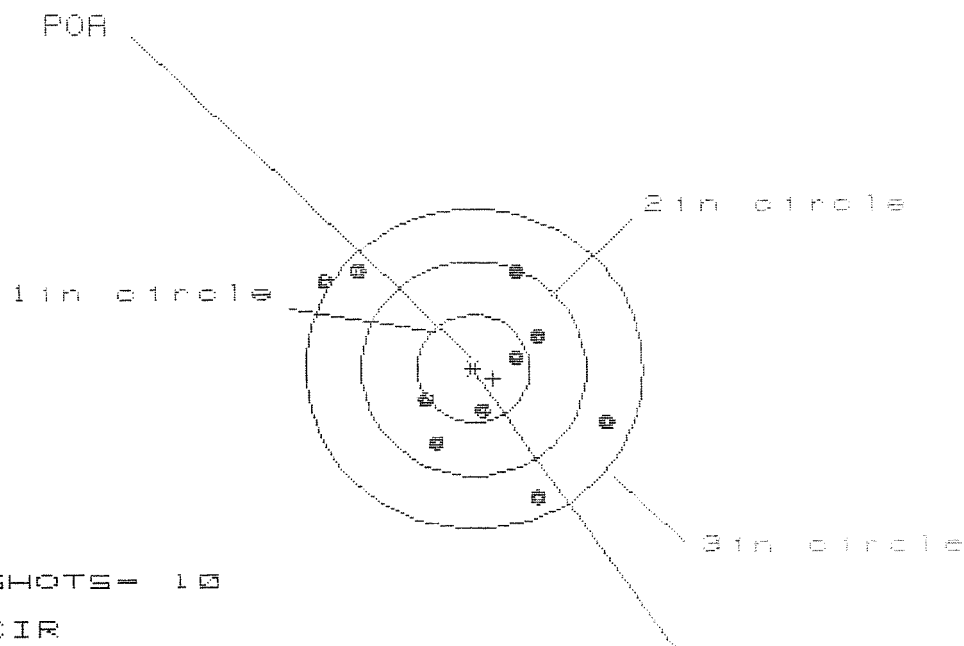
5
1+3
2
(----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0414
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0898999
THE AMR FOR THIS RIFLE IS: .93

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340879

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.535

VS= 2.154

GS= 2.821

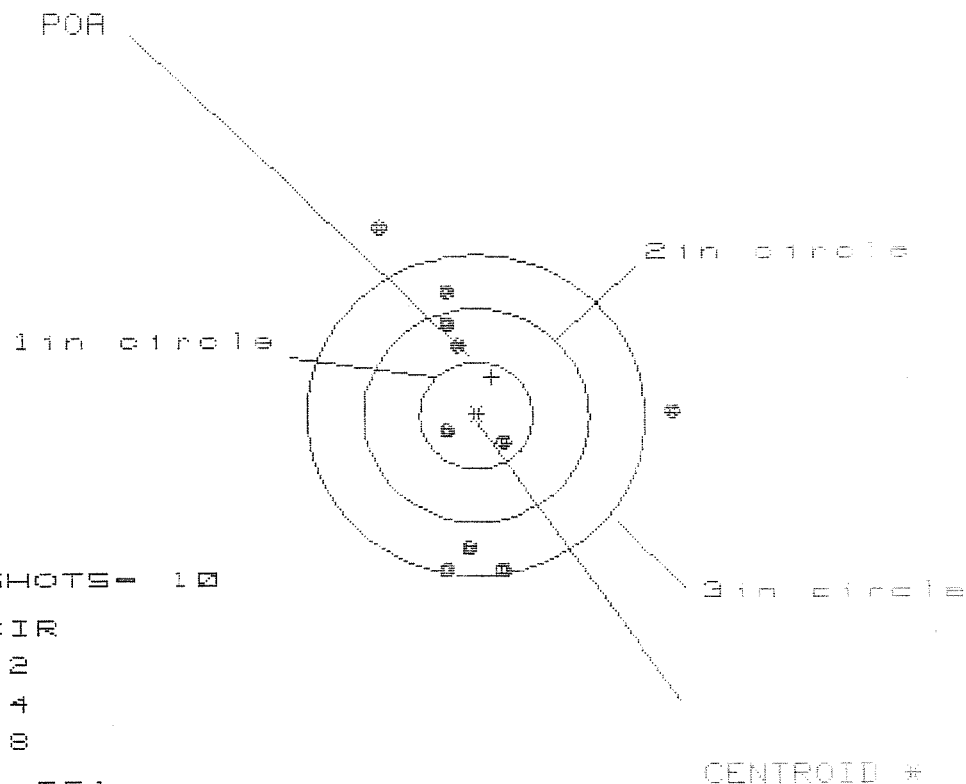
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.184	1.034	.884
MINIMUM X	:	-1.351	-1.201	-.750
MAXIMUM Y	:	.945	1.033	1.160
MINIMUM Y	:	-1.209	-1.121	-.994
CENTROID X	:	-.171	-.021	.129
CENTROID Y	:	.092	.004	-.123
POA TO CENTROID in.	:	.194	.022	.178
MIN RADIUS	:	.419	.309	.311
MEAN RADIUS	:	.947	.850	.745
MAX RADIUS	:	1.563	1.573	1.166
HORIZONTAL SPREAD	:	2.535	2.235	1.634
VERTICAL SPREAD	:	2.154	2.154	2.154
EXTREME SPREAD	:	2.821	2.661	2.157
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346879

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.651

VS = 3.168

GS = 3.378

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.739	1.637	.385
MINIMUM X	:	-.912	-.409	-.204
MAXIMUM Y	:	1.721	1.307	1.345
MINIMUM Y	:	-1.447	-1.256	-1.218
CENTROID X	:	-.137	-.035	-.240
CENTROID Y	:	-.358	-.549	-.597
POA TO CENTROID in.	:	.383	.550	.634
MIN RADIUS	:	.339	.181	.221
MEAN RADIUS	:	1.128	1.027	.931
MAX RADIUS	:	1.948	1.664	1.359
HORIZONTAL SPREAD	:	2.651	2.046	.589
VERTICAL SPREAD	:	3.168	2.563	2.563
EXTREME SPREAD	:	3.378	2.623	2.623
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346879

CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.969

VS= 1.967

GS= 2.054

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.137	1.130	.892
MINIMUM X	:	-.832	-.839	-.698
MAXIMUM Y	:	.682	.539	.546
MINIMUM Y	:	-1.285	-1.077	-1.070
CENTROID X	:	.243	.250	.109
CENTROID Y	:	-.105	.038	.031
POR TO CENTROID in.	:	.265	.253	.113
MIN RADIUS	:	.080	.211	.265
MEAN RADIUS	:	.826	.768	.706
MAX RADIUS	:	1.286	1.131	1.077
HORIZONTAL SPREAD	:	1.969	1.969	1.590
VERTICAL SPREAD	:	1.967	1.616	1.616
EXTREME SPREAD	:	2.054	2.016	1.757
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346873

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS = 2.332

VS = 1.389

GS = 2.407

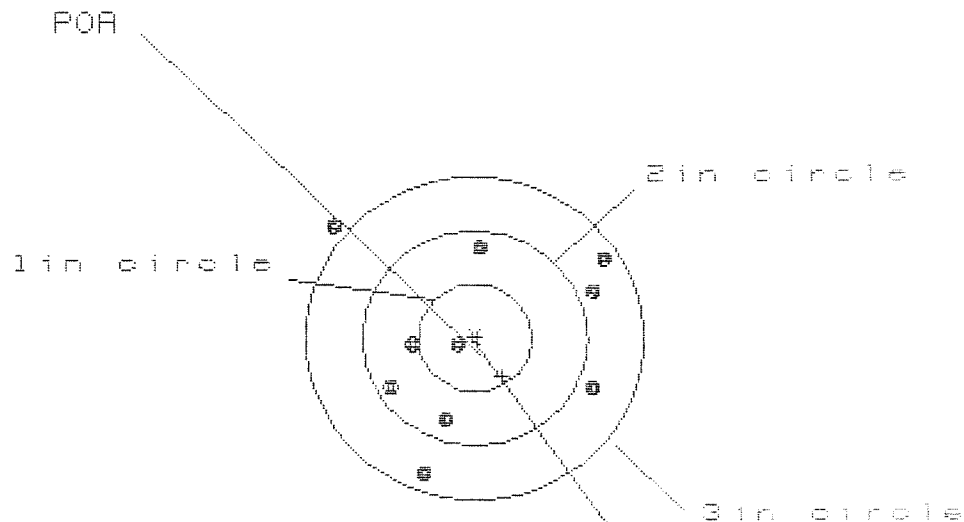
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.458	.851	.765
MINIMUM X	:	-.874	-.712	-.798
MAXIMUM Y	:	.668	.668	.541
MINIMUM Y	:	-.721	-.721	-.637
CENTROID X	:	-.088	-.250	-.164
CENTROID Y	:	-.192	-.192	-.276
POA TO CENTROID in.	:	.211	.316	.321
MIN RADIUS	:	.341	.329	.373
MEAN RADIUS	:	.746	.653	.607
MAX RADIUS	:	1.458	.963	.900
HORIZONTAL SPREAD	:	2.332	1.563	1.563
VERTICAL SPREAD	:	1.389	1.389	1.178
EXTREME SPREAD	:	2.407	1.629	1.575
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346873

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.481

VS= 2.362

GS= 2.858

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.189
MINIMUM X	-1.292
MAXIMUM Y	1.089
MINIMUM Y	-1.274
CENTROID X	-.246
CENTROID Y	.356
POA TO CENTROID in.	.433
MIN RADIUS	.132
MEAN RADIUS	1.003
MAX RADIUS	1.689
HORIZONTAL SPREAD	2.481
VERTICAL SPREAD	2.362
EXTREME SPREAD	2.858
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9