

C6348841

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number:

C634884 1

Model: 700



RE00032505

BARBER - M24 0039530

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348841

5 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0922$

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0034$

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.0922627$

THE AMR FOR THIS RIFLE IS: $.9434$

CENTROIDAL DISTANCES

0 TO 1	.202556
1 TO 2	.250667
1 TO 3	.295574
1 TO 4	.260647
1 TO 5	.14624

$\begin{matrix} 1 & 2 \\ 4 & 5 \end{matrix}$ <----POA

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

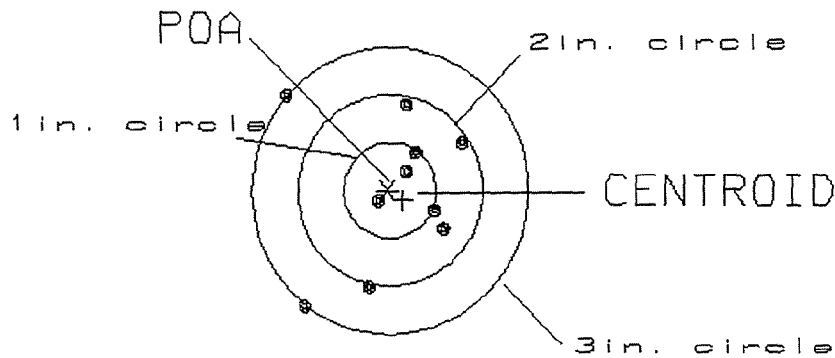
PATTERN #: □ 1 □

POA TO CENTROID: .203
 MIN RADIUS : .184
 MEAN RADIUS : .786
 MAX RADIUS : 1.538
 CENTROID X : -.175
 CENTROID Y : .102

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c5348841

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.86
 VS= 2.20
 GS= 2.37

4
 6
 9

BARBER - M24 0039532

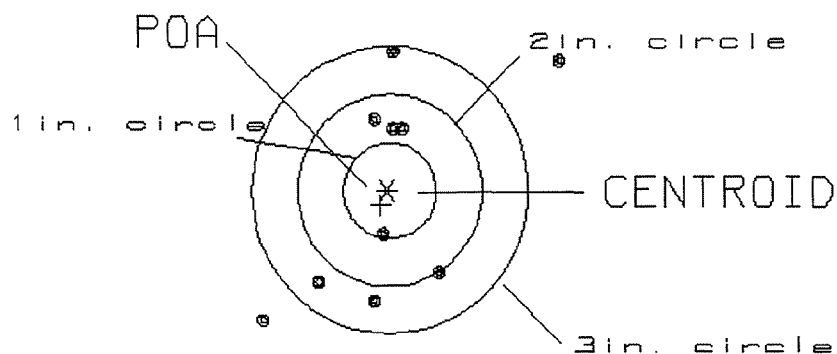
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐
POA TO CENTROID: .170
MIN RADIUS : .501
MEAN RADIUS : 1.161
MAX RADIUS : 2.270
CENTROID X : .070
CENTROID Y : .155

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348841

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.18

0

VS= 2.80

4

GS= 4.17

6

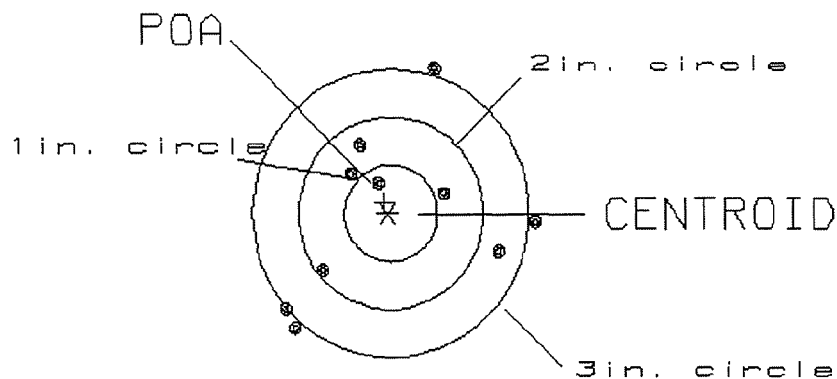
PATTERN #: 3

POA TO CENTROID: .113
 MIN RADIUS : .359
 MEAN RADIUS : 1.074
 MAX RADIUS : 1.611
 CENTROID X : .033
 CENTROID Y : -.108

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348841

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.77

1

VS= 2.72

5

GS= 3.07

6

BARBER - M24 0039534

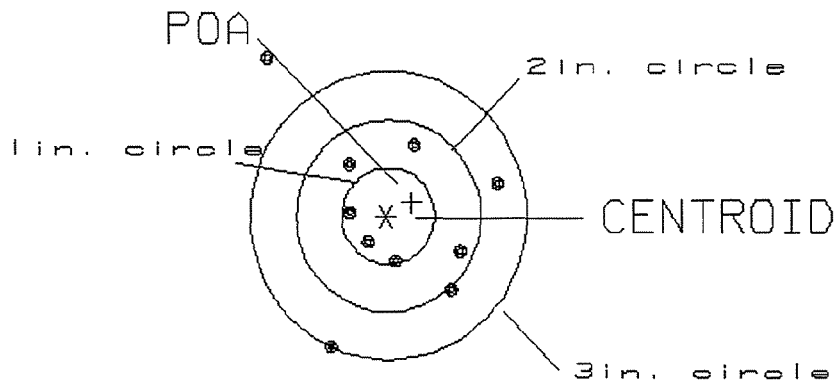
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
POA TO CENTROID: .311
MIN RADIUS : .378
MEAN RADIUS : .930
MAX RADIUS : 2.081
CENTROID X : -.279
CENTROID Y : -.137

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348841

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.43

3

VS= 3.03

7

GS= 3.10

8

BARBER - M24 0039535

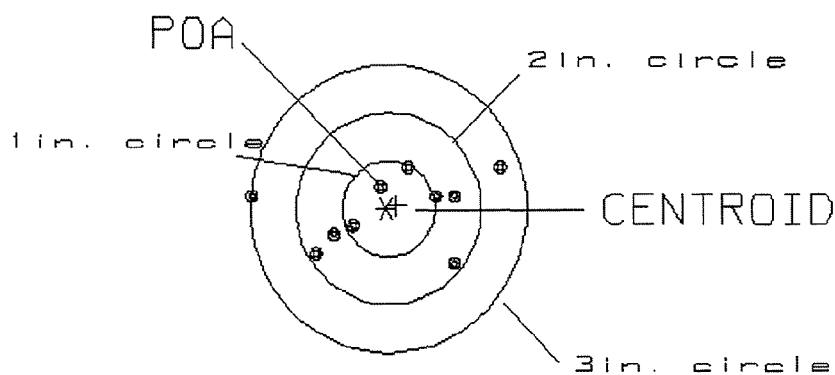
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐
POA TO CENTROID: .114
MIN RADIUS : .246
MEAN RADIUS : .766
MAX RADIUS : 1.483
CENTROID X : -.110
CENTROID Y : -.029

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348841

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.70

3

VS= 1.05

6

GS= 2.71

10

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

R & E NUMBER 32505

SERIAL NUMBER C634 8841

LOG-IN DATE 9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-19-01	RLH
560 A	RE-BARREL AT CUSTOM SHOP	9/20/01	BWT
B	DRILL AND TAP	9/20/01	BWT
C	POLISH	9-20/01	CP
575	ASSEMBLE	9-20-01	RLH
600	PROOF	9-21-01	RLH
605	CHECK HEADSPACE	9-24-01	RLH
610	DIS-ASSEMBLE GUN	9-24-01	RLH
612	MAGNAFLUX	9-24-01	RLH
615	ROLLMARK CALIBER	9-24-01	RLH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-2-01	RLH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/5/01	RLH
655	FINAL INSPECT	10-6-01	RLH
660	PACK	10-6-01	RLH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C634 8841

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

WRITER: *AB*

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: _____

Remington®

MODEL 700™ M24

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

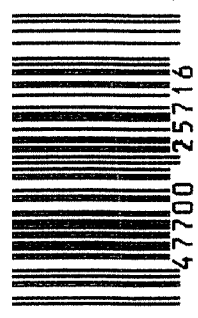
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

REMINGTON-UMC
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6348841

ORDER NO.
5716

Ø1

5716 C6348841

0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348841

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 12 89		RW
600	Proof	6 12 89		RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		6/21/89	KCR
	Magnaflux Bolt		6/21/89	KCR
615	Rollmark Caliber		6/21/89	SS
617	Drill and Tap Sight Holes	6 26 89		LB
618	Polish Barrel	6 26 89		BT
620	Apply Coatings (Barrel Action)		7-12-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/14/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/14/89	RW
	C) Inspect Ejector Hole for Chamfer		7/14/89	RW
	D) Oil Firing Pin Ass'y		7/14/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		18 July 89	SS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			18 July 89	GS
	G) Safety Off Force	3	3	3			18 July 89	GS
	H) Trigger Pull Test & Retainability						18 July 89	GS
	I) Firing Pin Indent	.020	.020	.020			18 July 89	GS
	J) Assemble Stock						7/18/89	RW
	K) Assemble Swivel Studs						26 July 89	GS
	L) Attach Front and Rear Sight Assemblies						7/18/89	RW
	M) Iron Sight Alignment						7/18/89	RW
	N) Detach Front & Rear Sights & place in numbered container						7/18/89	RW
	O) Attach Scope to Rifle						7/19/89	GS
	P) Detach & Attach Scope 20 Times						7/21/89	GS
640	Gallery Target & Test	102 R	51 L				7-25-89	AC
	A) Time						7-25-89	AC
	B) Malfunctions						7-25-89	AC
	C) Pierced Primers						7-25-89	AC
	D) Optical Clarity of Scope						7-25-89	AC
645	Inspect for Live Ammo						7-25-89	AC
655	Final Inspection							
	A) Headspace						26 July 89	GS
	B) Trigger Pull	2.39	2.37	2.34	2.42	2.50	26 July 89	GS
	C) Function						26 July 89	GS
660	Pack						7-28-89	GS

8841

C6225248

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. _____

DATE 5/1/89

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.66	2.15	2.41	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.17	2.38	2.54	
PULL #3	2.59	2.19	2.30	2.44	
PULL #4	2.36	2.19	2.28	2.45	
PULL #5	2.49	2.11	2.35	2.50	
TOTAL	12.74	10.81	11.72	12.36	
AVG.	2.55	2.16	2.34	2.472	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	2.92		
PULL #2	3.06	2.85		
PULL #3	3.06	2.96		
PULL #4	3.03	2.97		
PULL #5	3.08	3.01		
TOTAL	15.29	14.71		
AVG.	3.06	2.95		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	3.88		4.39
PULL #2	4.12	4.02		4.46
PULL #3	4.17	4.03		4.50
PULL #4	4.16	4.04		4.50
PULL #5	4.19	4.06		4.49
TOTAL	20.92	20.03		22.54
AVG.	4.18	4.01		4.51

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348841
25 Jul 1989

CENTROIDAL DISTANCES

0 TO	1	.408885
1 TO	2	1.02388
1 TO	3	.770974
1 TO	4	.44365
1 TO	5	.669108

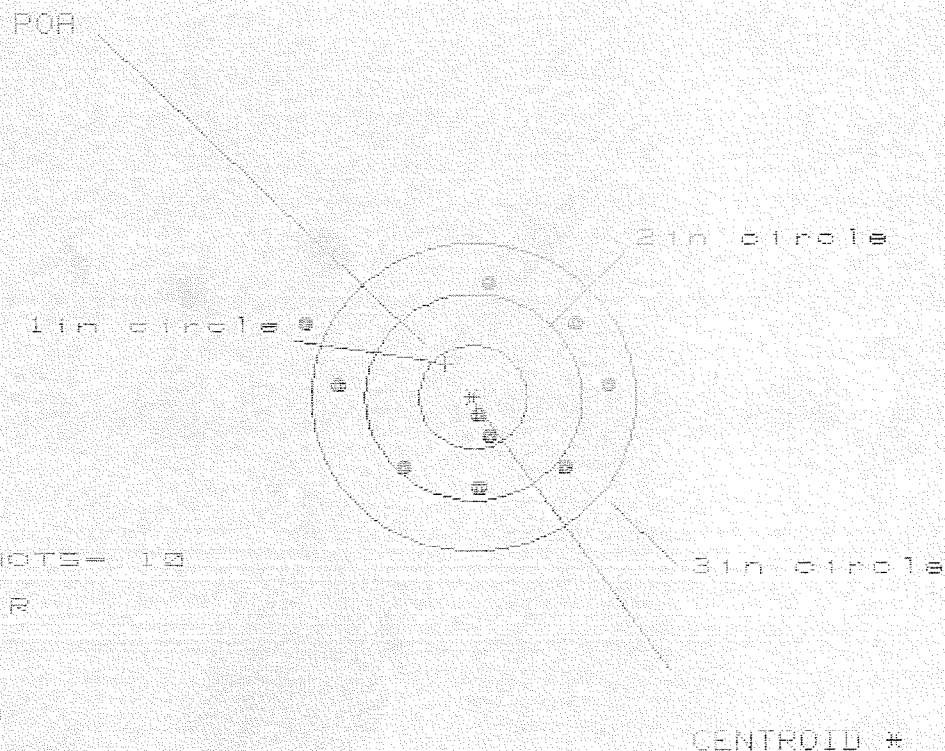
235#1 (---POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2634
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0962
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .285119
THE AMP FOR THIS RIFLE IS: 1.018

25 JUL 1988

FILE: \PATTERNING\CENTERFIRE_PATT\ C6348841

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.802

VS= 2.073

GS= 2.856

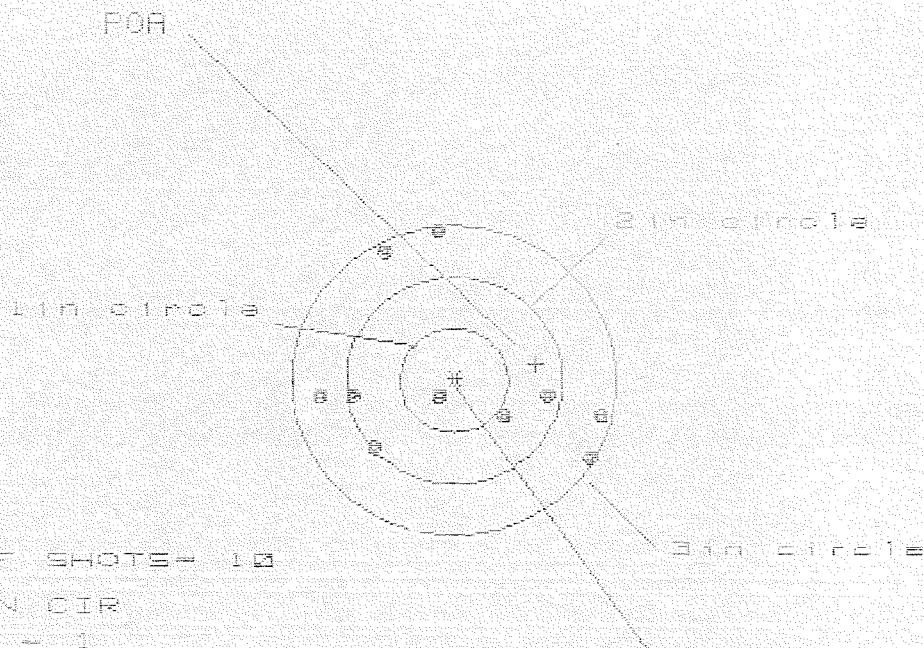
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.235	1.060	1.953
MINIMUM X	-1.567	-1.399	-1.265
MAXIMUM Y	1.153	1.231	1.259
MINIMUM Y	-0.920	-0.842	-0.814
CENTROID X	.252	.427	.294
CENTROID Y	-.322	-.400	-.428
POA TO CENTROID in.	.409	.585	.519
MIN RADIUS	.190	.208	.094
MEAN RADIUS	1.013	.906	.863
MAX RADIUS	1.717	1.416	1.291
HORIZONTAL SPREAD	2.802	2.458	2.218
VERTICAL SPREAD	2.073	2.073	2.073
EXTREME SPREAD	2.856	2.458	2.278
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE PATT/ CB348841

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.643

VS = 2.189

GS = 2.734

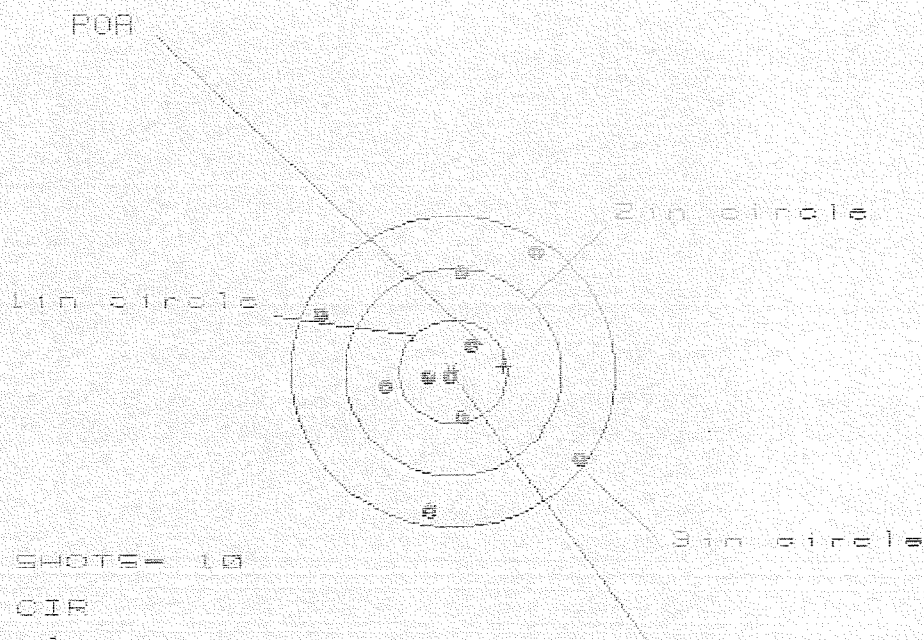
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.353	1.493	1.490
MINIMUM X	-1.290	-1.150	-1.153
MAXIMUM Y	1.448	1.365	1.344
MINIMUM Y	-1.741	-1.731	-1.560
CENTROID X	-1.758	-1.898	-1.895
CENTROID Y	-1.154	-1.071	-1.242
FOR TO CENTROID in.	.773	.901	.927
MIN RADIUS	.222	.235	.068
MEAN RADIUS	1.050	1.011	.924
MAX RADIUS	1.469	1.547	1.508
HORIZONTAL SPREAD	2.643	2.643	2.643
VERTICAL SPREAD	2.189	2.096	1.904
EXTREME SPREAD	2.734	2.651	2.651
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	10	

25 JUL 1989

FILE:/PATTERNING/CENTERFIRE_PATT/ CB348841

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS= 2.399

VS= 2.446

GS= 2.799

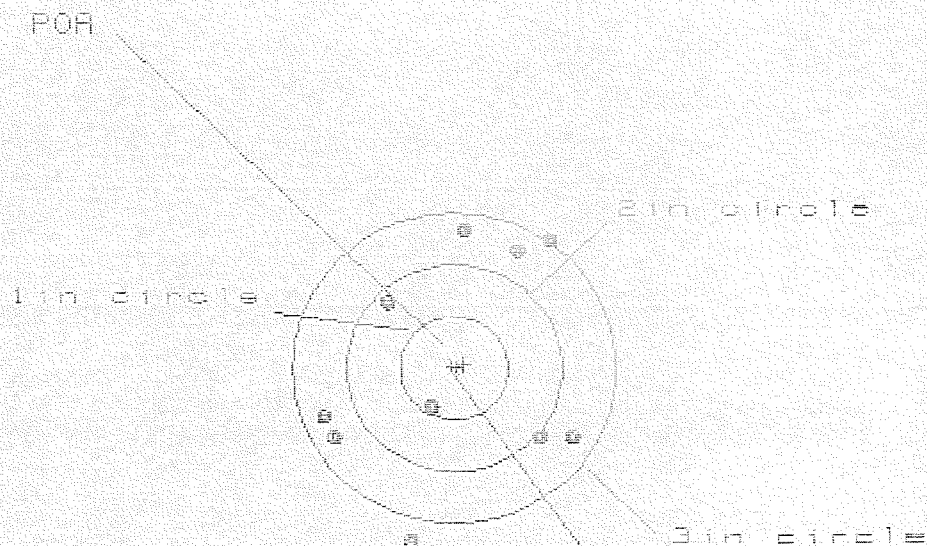
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.213
MINIMUM X	-1.186
MAXIMUM Y	1.120
MINIMUM Y	-1.326
CENTROID X	-.472
CENTROID Y	-.057
FOR TO CENTROID in.	.475
MIN RADIUS	.099
MEAN RADIUS	.820
MAX RADIUS	1.488
HORIZONTAL SPREAD	2.399
VERTICAL SPREAD	2.446
EXTREME SPREAD	2.799
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10

25 JUL 1989

FILE: \PATTERNING\CENTERFIRE_PATT\CB348B41

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 2

3 in = 8

HS= 2.294

VS= 2.925

GS= 3.126

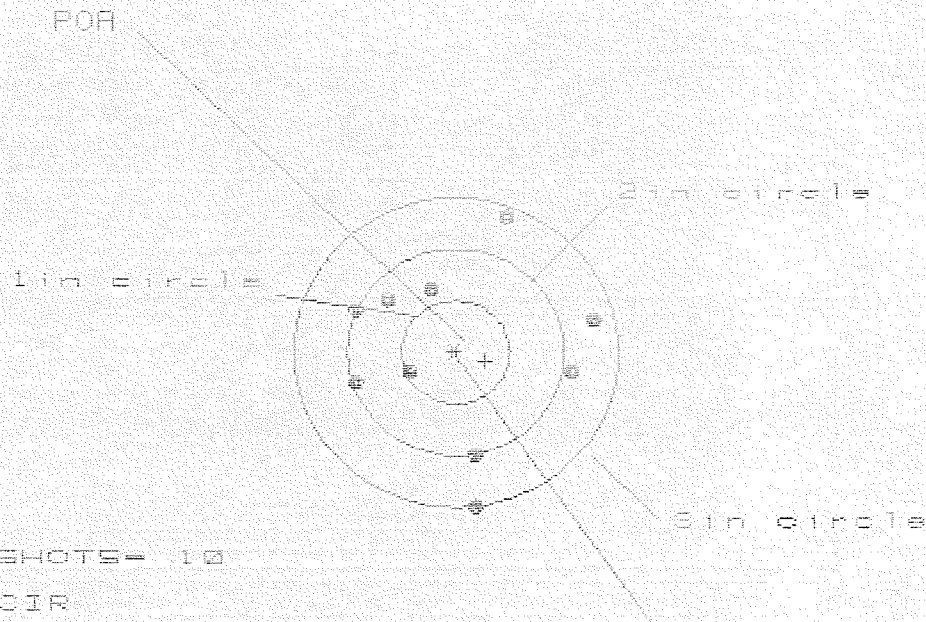
CENTROID #

PATTERN #	4	9	9
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.074	1.030	1.138
MINIMUM X	-1.220	-1.264	-1.156
MAXIMUM Y	1.306	1.126	1.256
MINIMUM Y	-1.619	-0.811	-0.601
CENTROID X	-0.088	-0.044	-0.152
CENTROID Y	-0.037	0.143	0.013
POA TO CENTROID in.	0.096	0.150	0.153
MIN RADIUS	0.363	0.545	0.386
MEAN RADIUS	1.183	1.126	1.078
MAX RADIUS	1.667	1.411	1.326
HORIZONTAL SPREAD	2.294	2.294	2.294
VERTICAL SPREAD	2.925	1.937	1.937
EXTREME SPREAD	3.126	2.739	2.456
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	8		

25 JUL 1989

FILE:/PATTERNING/CENTERFIRE_PATT/ CB348841

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.202

VS= 2.789

GS= 2.800

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.256
MINIMUM X	-.946
MAXIMUM Y	1.295
MINIMUM Y	-1.494
CENTROID X	-.276
CENTROID Y	.089
POA TO CENTROID in.	.290
MIN RADIUS	.443
MEAN RADIUS	1.013
MAX RADIUS	1.505
HORIZONTAL SPREAD	2.202
VERTICAL SPREAD	2.789
EXTREME SPREAD	2.800
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9