

C6348841

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington

Serial Number: **C634884 1**
Model: **700**

RE00032505

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

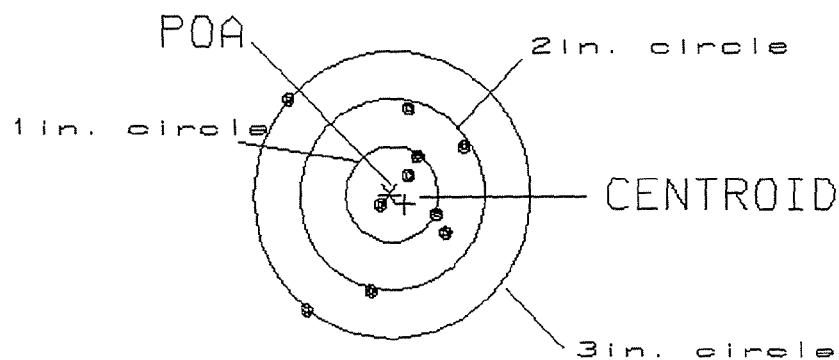
PATTERN #: ☐ 1 ☐

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

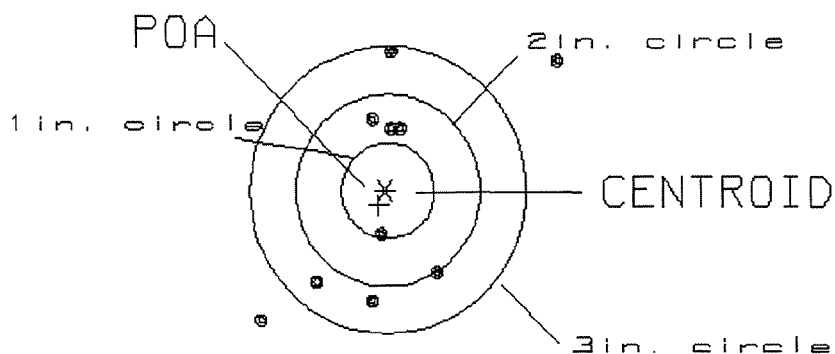
4
 6
 9

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

8

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .113

MIN RADIUS : .359

MEAN RADIUS : 1.074

MAX RADIUS : 1.611

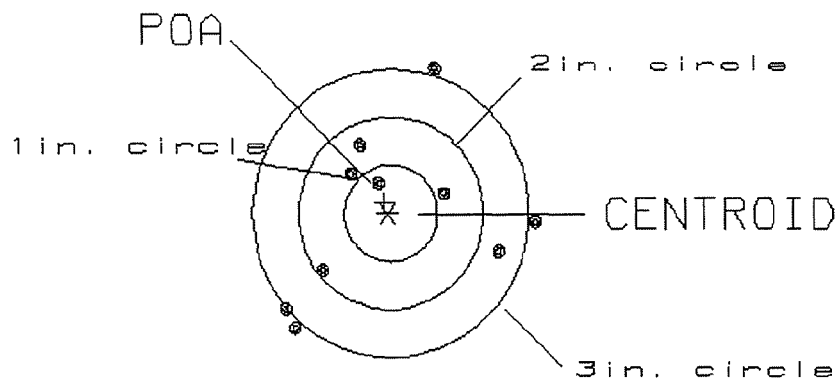
CENTROID X : .033

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

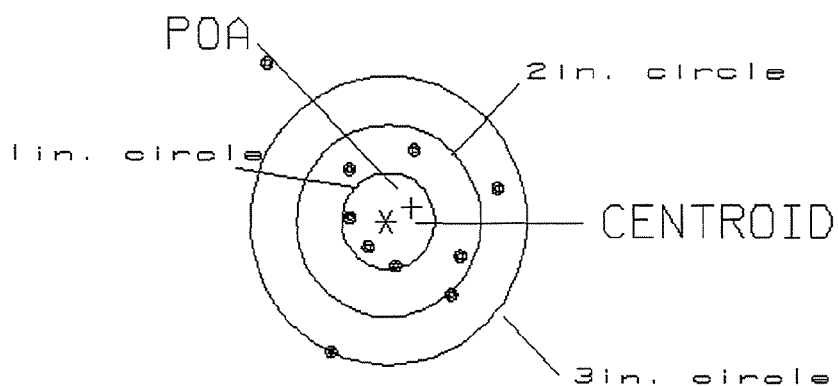
6

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

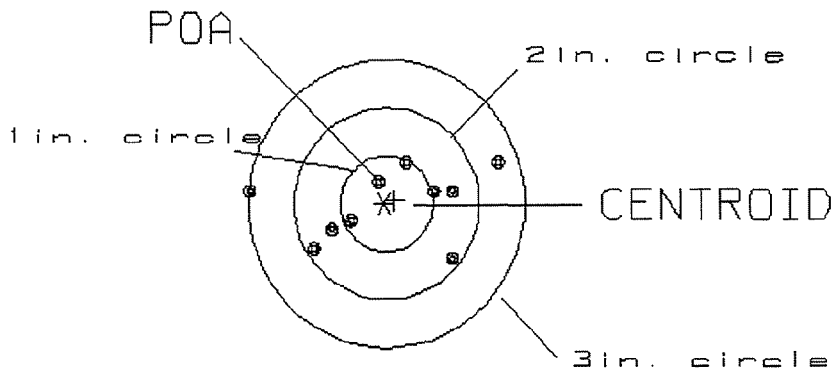
8

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	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	CP
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	RH
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-2-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/5/01	RH
655	FINAL INSPECT	10-6-01	RH
660	PACK	10-6-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C634 884

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®

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

DU PONT

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

MODEL 700™ H24

SERIAL NO.
C6348841

ORDER NO.
5716

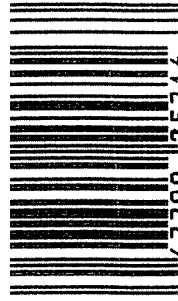
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6348841

UPC



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

SWS TRIGGER PULL TEST

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	^{2.3} 2.66	^{2.3} 2.15	^{2.4} 2.41	^{2.4} 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	^{3.2} 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	^{4.3} 4.28	^{3.8} 3.88		^{4.3} 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 # C6348841
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

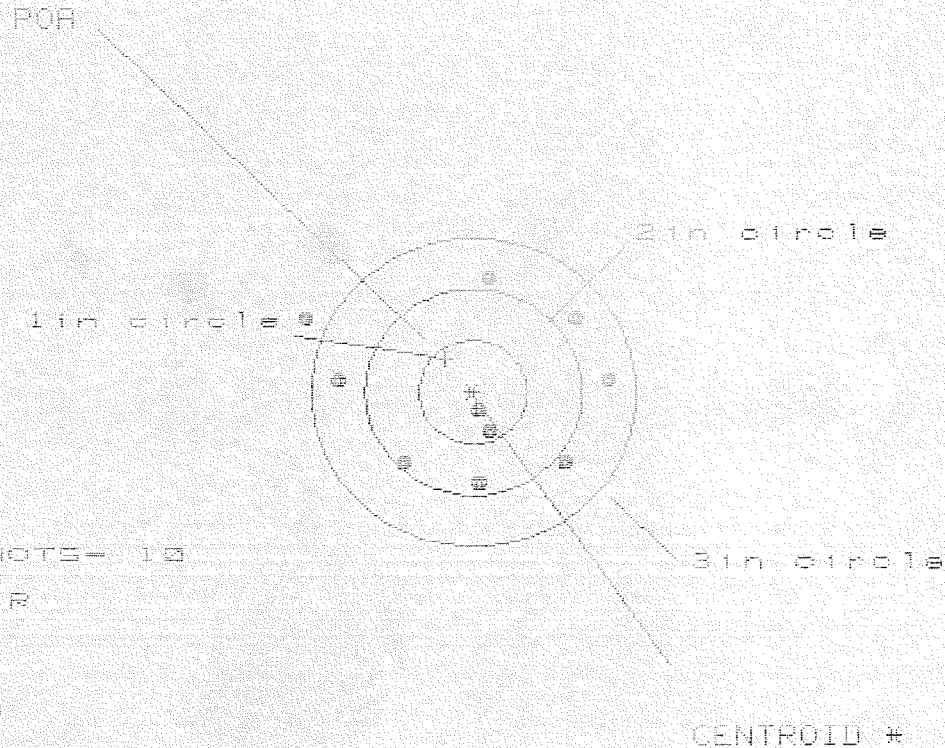
235#1 (---POB

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:XPATTERNING/CENTERFIRE_PATT/ C6348841

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.802

VS= 2.073

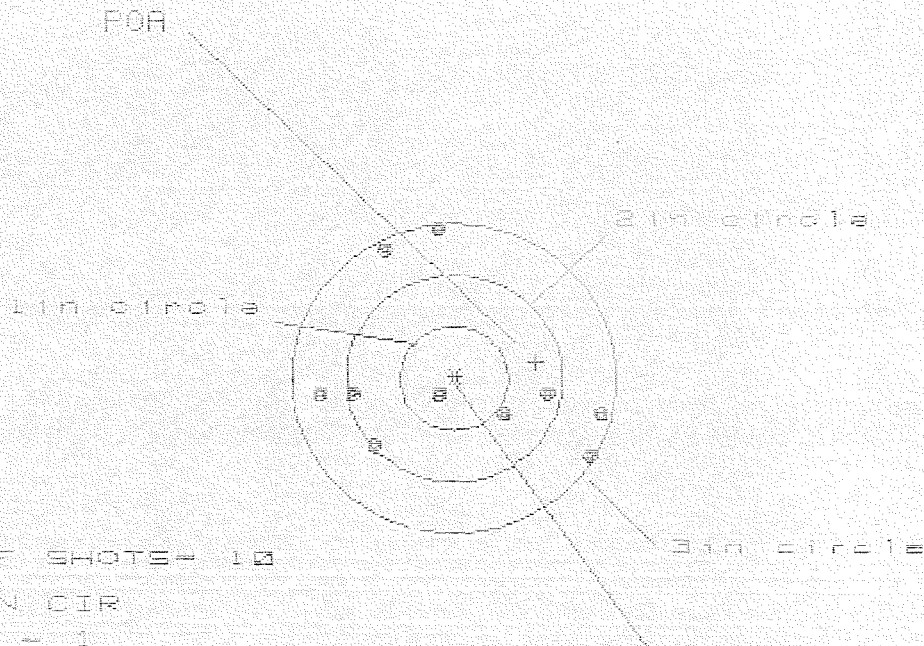
GS= 2.856

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.235	1.060	1.053
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

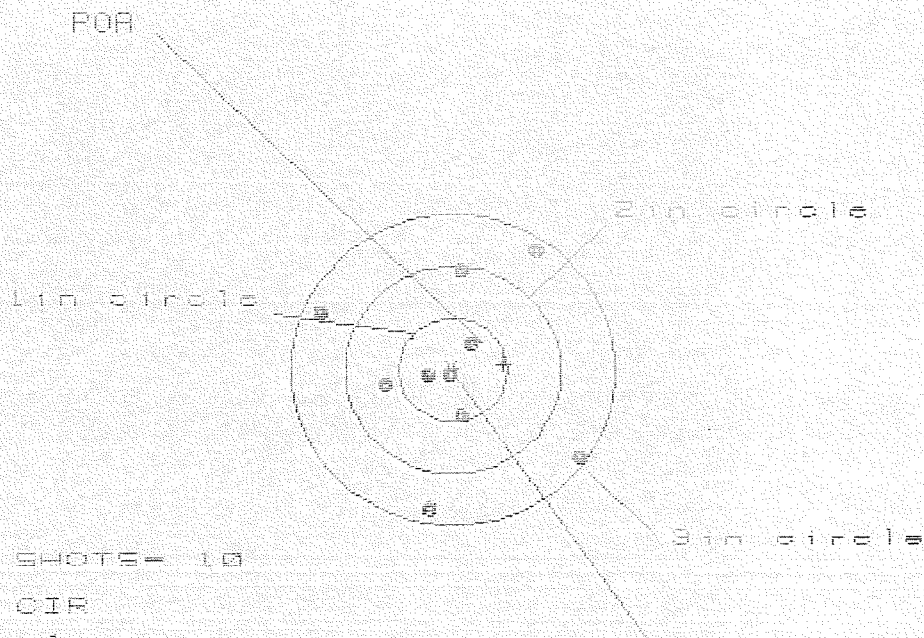
GS= 2.734

PATTERN #	:	2		
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	:	-.741	-.731	-.560
CENTROID X	:	-.758	-.898	-.895
CENTROID Y	:	-.154	-.071	-.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

CENTROID #

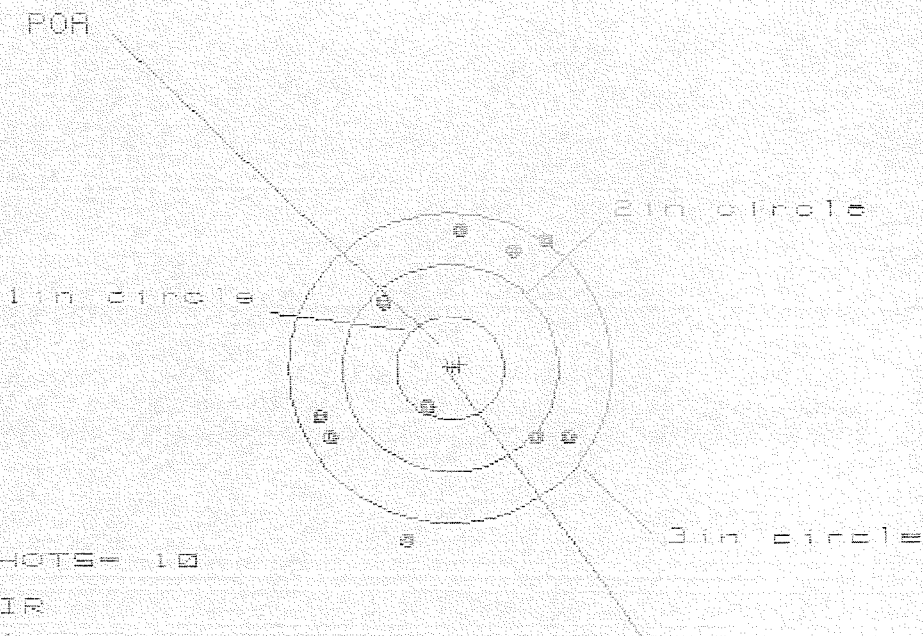
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.213	.924	.379
MINIMUM X	:	-1.186	-1.051	-.936
MAXIMUM Y	:	1.120	1.024	.392
MINIMUM Y	:	-1.326	-1.422	-1.294
CENTROID X	:	-.472	-.607	-.722
CENTROID Y	:	-.057	.039	-.089
FOR TO CENTROID in.	:	.475	.608	.728
MIN RADIUS	:	.099	.153	.019
MEAN RADIUS	:	.820	.736	.631
MAX RADIUS	:	1.488	1.425	1.294
HORIZONTAL SPREAD	:	2.399	1.975	1.315
VERTICAL SPREAD	:	2.446	2.446	2.286
EXTREME SPREAD	:	2.799	2.652	2.310
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 #

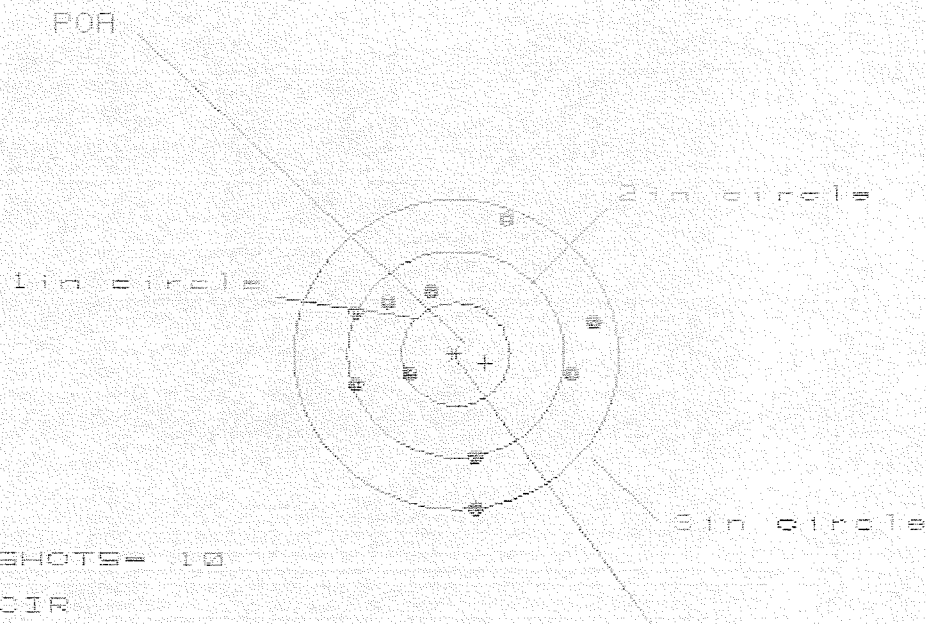
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.074	1.030	1.138
MINIMUM X	:	-1.220	-1.264	-1.156
MAXIMUM Y	:	1.306	1.126	1.256
MINIMUM Y	:	-1.619	-0.811	-0.601
CENTROID X	:	-0.088	-0.044	-0.152
CENTROID Y	:	-0.037	0.143	0.013
POA TO CENTROID in.	:	0.096	0.150	0.153
MIN RADIUS	:	0.363	0.545	0.386
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

ES= 2.800

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.256	1.277	1.333
MINIMUM X	-.946	-.925	-.859
MAXIMUM Y	1.295	1.129	.612
MINIMUM Y	-1.494	-1.114	-.972
CENTROID X	-.276	-.297	-.353
CENTROID Y	.089	.255	.113
POA TO CENTROID in.	.290	.391	.371
MIN RADIUS	.443	.501	.390
MEAN RADIUS	1.013	.942	.892
MAX RADIUS	1.505	1.202	1.358
HORIZONTAL SPREAD	2.202	2.202	2.202
VERTICAL SPREAD	2.789	2.243	1.584
EXTREME SPREAD	2.800	2.267	2.267
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		