

C6225170

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington.

Add Repair Estimate Repair Expense Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Number: **RE00022077** Serial: **C6225170** Model: **700** Center Fire Caliber: **7.62 NA10 M-24 (SWS)** Repairman: Status: **Closed 1/31/01 11:41:24 AM**

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANS OFFICER** **TRANS OFFICER**

Address 1: **CRP** **CRP**

Address 2: **BLDG 5207** **BLDG 5207** PO Box:

City: **FORT CAMPBELL** **FORT CAMPBELL**

State: **KY** Zip Code: **52223** Country: **US** State: **KY** Zip Code: **52223** Country: **US**

FFL:

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

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

Repair Search Refresh Close

naglet 1/31/01 1:35 PM NUM

Start

1:35 PM

Serial Number: **C6225170**

Model: **700**



RE00022077

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225170
14 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0862$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $.2164$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.232936$

THE AMR FOR THIS RIFLE IS: 1.281

CENTROIDAL DISTANCES

0	TO	1	.458743
1	TO	2	.502702
1	TO	3	.61
1	TO	4	.481449
1	TO	5	.66739

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

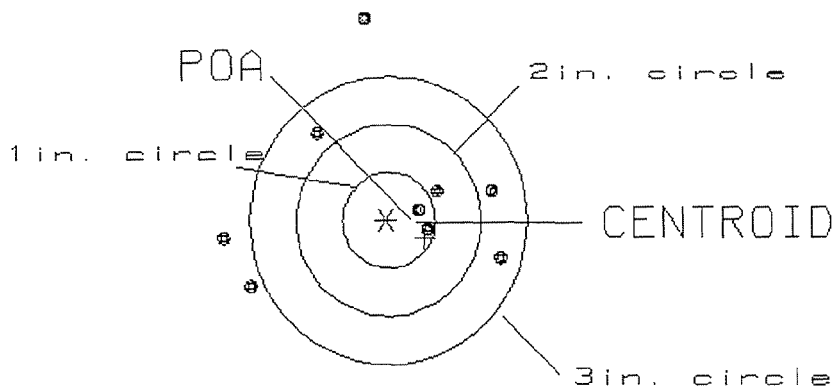
PATTERN #: 1

POA TO CENTROID: .459
 MIN RADIUS : .384
 MEAN RADIUS : 1.302
 MAX RADIUS : 2.574
 CENTROID X : -.418
 CENTROID Y : .189

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225170

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.93

2

VS= 4.59

3

GS= 4.67

6

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .420

MIN RADIUS : .506

MEAN RADIUS : 1.268

MAX RADIUS : 2.909

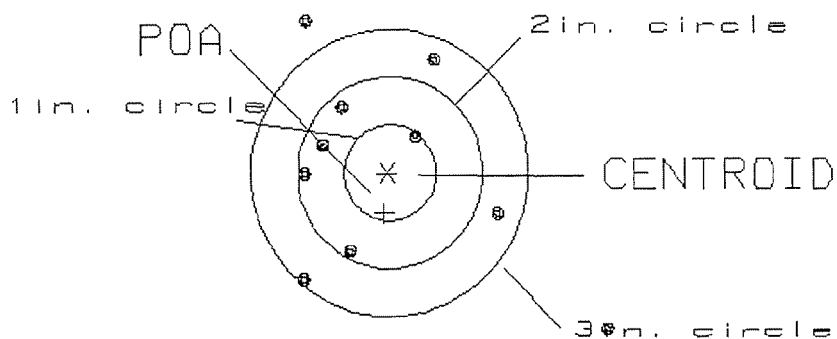
CENTROID X : .029

CENTROID Y : .419

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225170

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.37

0

VS= 3.17

5

GS= 4.61

8

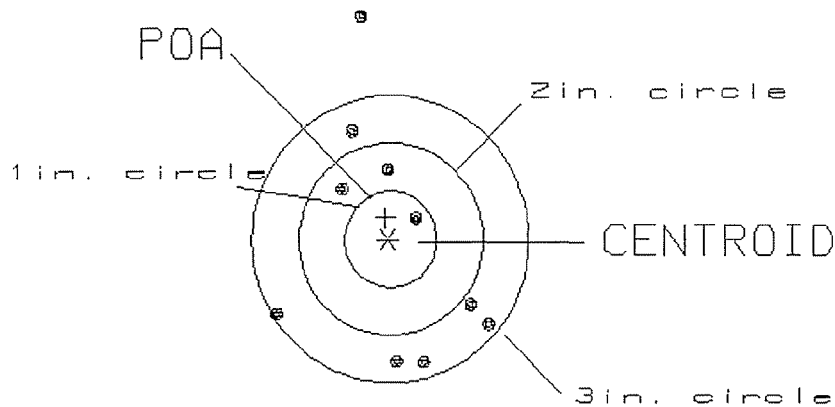
PATTERN #: 3

POA TO CENTROID: .227
 MIN RADIUS : .379
 MEAN RADIUS : 1.179
 MAX RADIUS : 2.327
 CENTROID X : .030
 CENTROID Y : -.225

14 Mar 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6225170

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.28

1

VS= 3.53

3

GS= 3.61

9

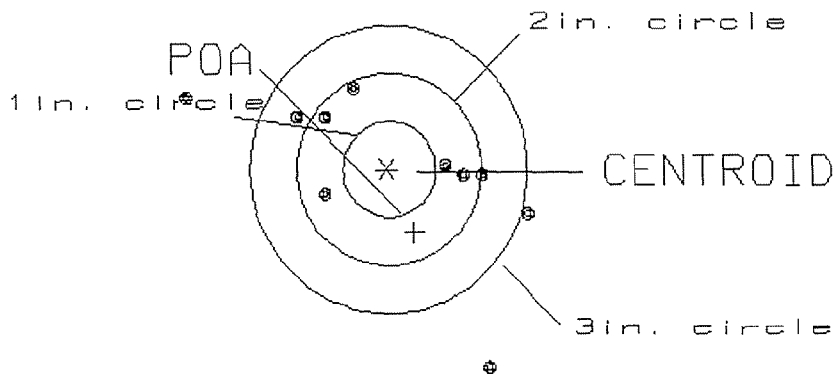
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .724
 MIN RADIUS : .577
 MEAN RADIUS : 1.229
 MAX RADIUS : 2.311
 CENTROID X : -.305
 CENTROID Y : .657

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225170

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.64

0

VS= 2.88

5

GS= 4.31

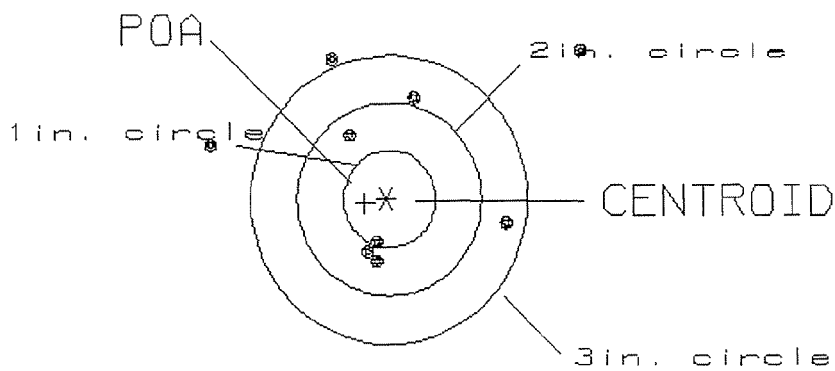
7

PATTERN #: 5
 POA TO CENTROID: .237
 MIN RADIUS : .501
 MEAN RADIUS : 1.427
 MAX RADIUS : 3.249
 CENTROID X : .233
 CENTROID Y : .042

14 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225170

CENTERFIRE PATTERN # 5



OF SHOTS= 10

•

IN CIRCLE

HS= 3.95

0

VS= 4.82

4

GS= 5.28

6

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

R & E NUMBER 22077			
SERIAL NUMBER C 6225170			
LOG-IN DATE 1-31-01			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-2-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	2-12-01	CK
605	CHECK HEADSPACE	2-12-01	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-13-01	CK
655	FINAL INSPECT	3-15-01	CK
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

S/N: C-6225170

DATE REC'D: 1-31-01

DATE RET'D:

AUDITOR: CK

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

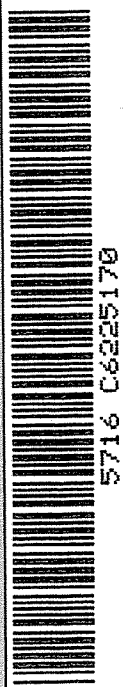
MODEL 700™ M24

SERIAL NO.
C6225170

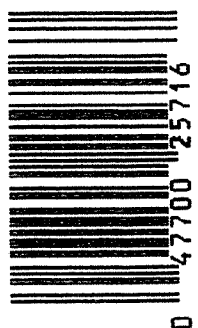
ORDER NO.
5716

01

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225170

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	6 12 89		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	LS
617	Drill and Tap Sight Holes	6 26 89		L.B.
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	LS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			18 July 89	QJL
	G) Safety Off Force	3	3	3			18 July 89	QJL
	H) Trigger Pull Test & Retainability						18 July 89	QJL
	I) Firing Pin Indent	.020	.020	.020			18 July 89	QJL
	J) Assemble Stock						7/18/89	RW
	K) Assemble Swivel Studs						26 July 89	QJL
	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	QJL
	P) Detach & Attach Scope 20 Times						7/21/89	QJL
640	Gallery Target & Test	872	642				7-25-89	AE
	A) Time						7-25-89	AE
	B) Malfunctions						7-25-89	AE
	C) Pierced Primers						7-25-89	AE
	D) Optical Clarity of Scope						7-25-89	AE
645	Inspect for Live Ammo						7-25-89	AE
655	Final Inspection							
	A) Headspace						26 July 89	QJL
	B) Trigger Pull	2.39	2.42	2.44	2.47	2.45	26 July 89	QJL
	C) Function						26 July 89	QJL
660	Pack						20 Sept 89	QJL

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5170

DATE 6/29/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.18	2.26	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.23	2.30	
PULL #3	2.32	2.23	2.22	
PULL #4	2.28	2.22	2.24	
PULL #5	2.24	2.22	2.30	
TOTAL	11.20	11.16	11.34	
AVG.	2.24	2.232	2.268	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.30	3.33	
PULL #2	3.35	3.32	
PULL #3	3.32	3.21	
PULL #4	3.33	3.35	
PULL #5	3.34	3.34	
TOTAL	16.64	16.55	
AVG.	3.328	3.11	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.49		4.43
PULL #2	4.42	4.50		4.47
PULL #3	4.46	4.35		4.46
PULL #4	4.40	4.46		4.44
PULL #5	4.43	4.49		4.48
TOTAL	22.16	22.29		22.28
AVG.	4.432	4.458		4.456

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225170
25 Jul 1989

CENTROIDAL DISTANCES

0 TO	1	.21422
1 TO	2	.343048
1 TO	3	.520947
1 TO	4	.365591
1 TO	5	.931344

$\frac{1}{11} \times 5$ ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0596
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1832
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .192651
THE AMR FOR THIS RIFLE IS: 1.025

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225170

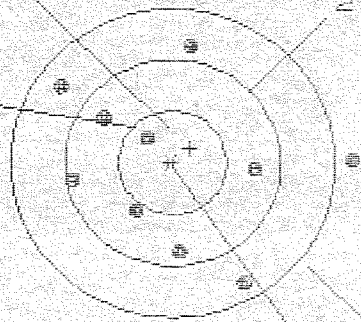
CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.732

VS= 2.229

GS= 2.826

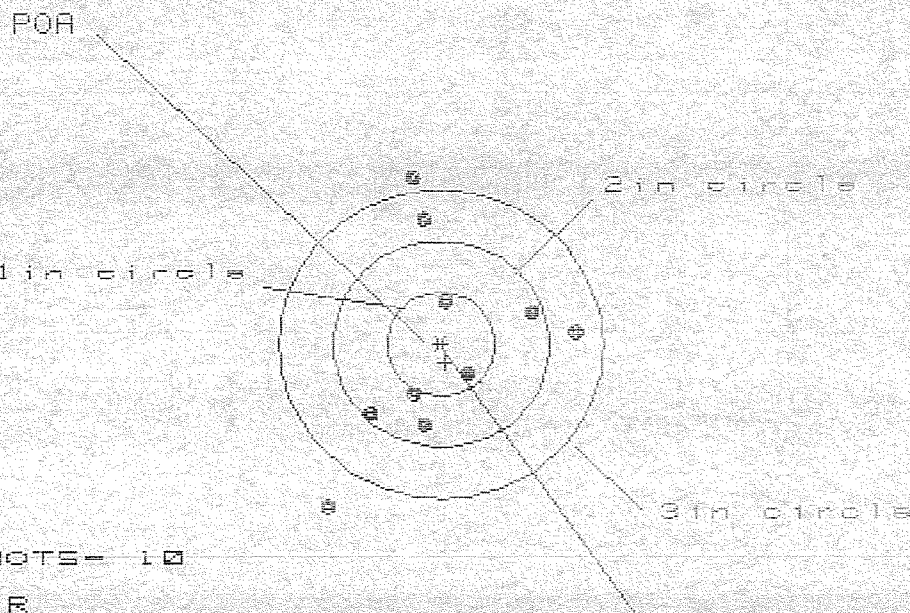
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.672	.942	1.054
MINIMUM X	:	-1.060	-.874	-.762
MAXIMUM Y	:	1.100	1.113	.974
MINIMUM Y	:	-1.121	-1.116	-.959
CENTROID X	:	-.163	-.349	-.461
CENTROID Y	:	-.139	-.144	-.005
POA TO CENTROID in.	:	.215	.378	.461
MIN RADIUS	:	.372	.276	.129
MEAN RADIUS	:	.973	.862	.759
MAX RADIUS	:	1.673	1.431	1.073
HORIZONTAL SPREAD	:	2.732	1.816	1.816
VERTICAL SPREAD	:	2.229	2.229	1.933
EXTREME SPREAD	:	2.826	2.586	1.997
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225170

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.275

VS= 3.249

GS= 3.347

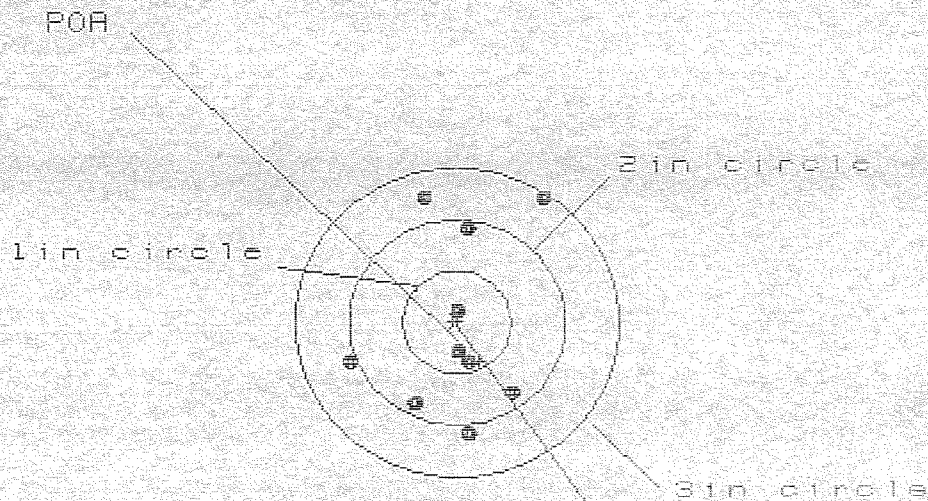
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.262	1.149	1.109
MINIMUM X	:	-1.013	-0.764	-0.804
MAXIMUM Y	:	1.625	1.444	1.254
MINIMUM Y	:	-1.625	-0.956	-0.775
CENTROID X	:	-0.042	.071	.111
CENTROID Y	:	.182	.362	.182
POA TO CENTROID in.	:	.186	.369	.213
MIN RADIUS	:	.382	.279	.314
MEAN RADIUS	:	1.002	.898	.799
MAX RADIUS	:	1.914	1.480	1.283
HORIZONTAL SPREAD	:	2.275	1.913	1.913
VERTICAL SPREAD	:	3.249	2.400	2.029
EXTREME SPREAD	:	3.347	2.401	2.063
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	8		

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/G6225170

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.767

VS= 2.338

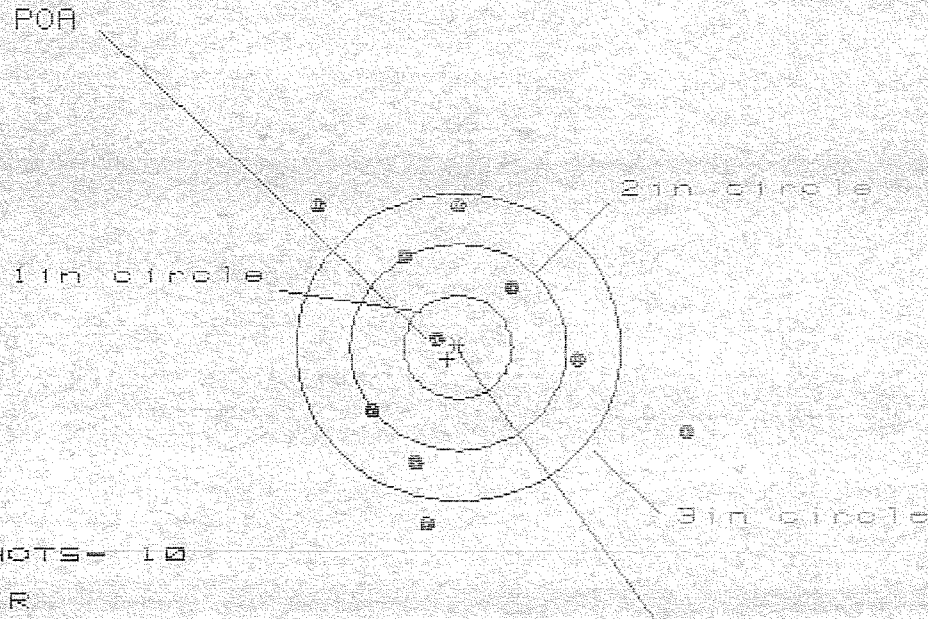
GS= 2.419

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.778	.553	.524
MINIMUM X	:	-.989	-.902	-.931
MAXIMUM Y	:	1.264	1.389	1.217
MINIMUM Y	:	-1.074	-.934	-.760
CENTROID X	:	-.208	-.295	-.266
CENTROID Y	:	.380	.240	.066
POA TO CENTROID in.	:	.434	.380	.274
MIN RADIUS	:	.131	.175	.117
MEAN RADIUS	:	.830	.733	.612
MAX RADIUS	:	1.484	1.408	1.233
HORIZONTAL SPREAD	:	1.767	1.455	1.455
VERTICAL SPREAD	:	2.338	2.323	1.977
EXTREME SPREAD	:	2.419	2.371	1.977
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225170

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 3.378

VS= 3.069

GS= 3.978

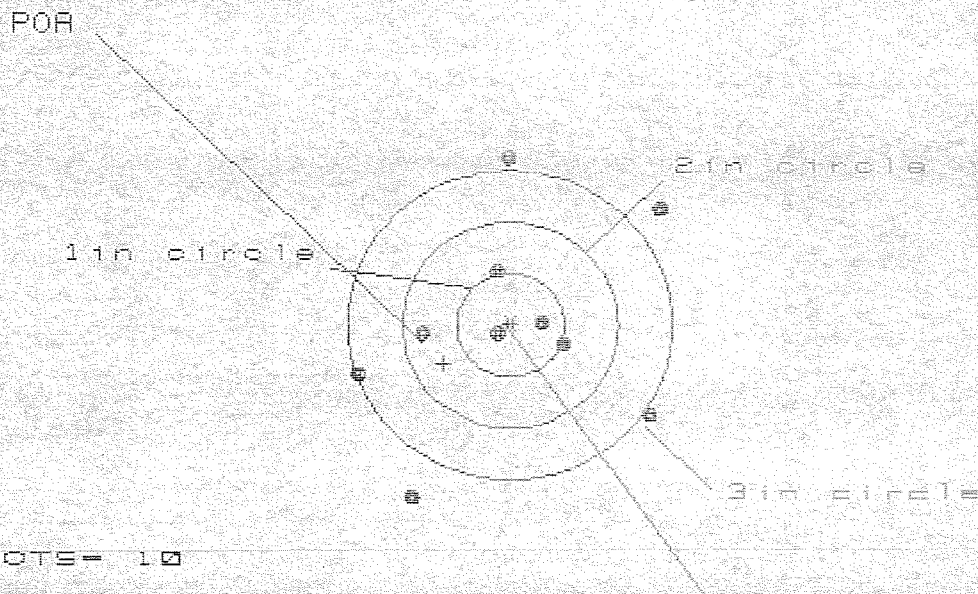
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.123	1.289	1.161
MINIMUM X	:	-1.255	-1.019	-0.718
MAXIMUM Y	:	1.363	1.278	1.434
MINIMUM Y	:	-1.706	-1.791	-1.635
CENTROID X	:	.098	-.138	-.010
CENTROID Y	:	.117	.202	.046
POA TO CENTROID in.	:	.153	.244	.047
MIN RADIUS	:	.261	.026	.222
MEAN RADIUS	:	1.254	1.100	1.050
MAX RADIUS	:	2.257	1.793	1.650
HORIZONTAL SPREAD	:	3.378	2.300	1.879
VERTICAL SPREAD	:	3.069	3.069	3.069
EXTREME SPREAD	:	3.978	3.178	3.082
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225170

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 5

HS= 2.841

VS= 3.334

GS= 3.616

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.393	1.295	1.332
MINIMUM X	:	-1.448	-1.546	-1.384
MAXIMUM Y	:	1.648	1.461	1.578
MINIMUM Y	:	-1.686	-1.058	-.941
CENTROID X	:	.613	.711	.549
CENTROID Y	:	.376	.563	.446
POA TO CENTROID in.	:	.719	.907	.707
MIN RADIUS	:	.090	.233	.120
MEAN RADIUS	:	1.066	.975	.877
MAX RADIUS	:	1.904	1.668	1.631
HORIZONTAL SPREAD	:	2.841	2.841	2.716
VERTICAL SPREAD	:	3.334	2.519	2.519
EXTREME SPREAD	:	3.616	3.242	2.841
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	