

C6348975

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smeed[®]
No. 2182.51

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: **RE00032493** Serial: C6348975 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 11 of 25 Repairman: Status: New 9/14/01 3:09:14 PM

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

Start | nagle | 9/17/01 | 7:48 AM | CAPS | NUM | INS | SCRL | 7:48 AM

Serial Number: **C6348975**

Model: **700**



RE00032493

BARBER - M24 0043006

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348975
5 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1212
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0382
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .127077

THE AMR FOR THIS RIFLE IS: 1.14

CENTROIDAL DISTANCES

0 TO 1	.295488
1 TO 2	.075
1 TO 3	.395774
1 TO 4	.109713
1 TO 5	.496932

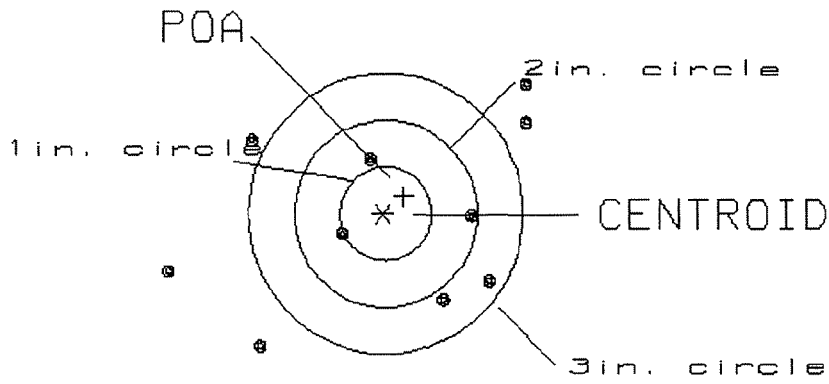
5
+3
2
4 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .295
 MIN RADIUS : .488
 MEAN RADIUS : 1.443
 MAX RADIUS : 2.475
 CENTROID X : -.232
 CENTROID Y : -.183

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6340975

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.97
 VS= 2.64
 GS= 4.45

1
 3
 5

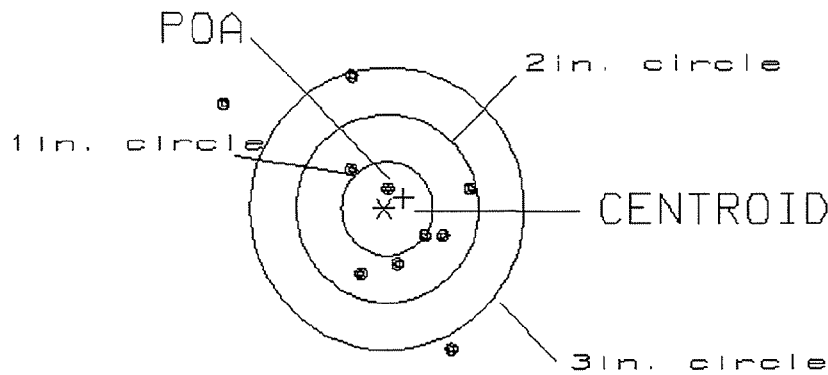
PATTERN #: 2

POA TO CENTROID: .238
 MIN RADIUS : .210
 MEAN RADIUS : .951
 MAX RADIUS : 2.083
 CENTROID X : -.211
 CENTROID Y : -.111

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348975

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.63
 VS= 2.95
 GS= 3.64

1
 7
 8

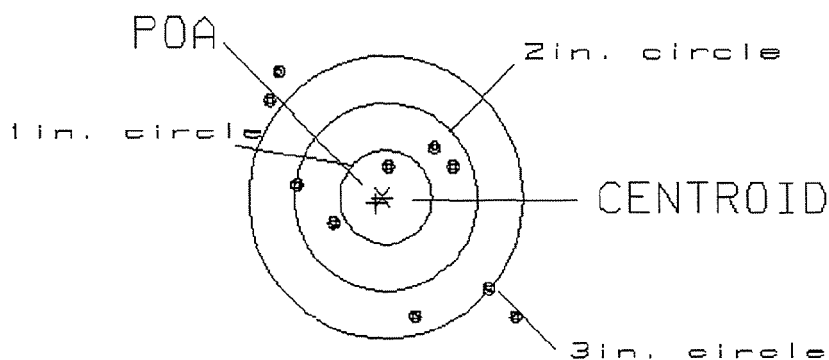
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .100
 MIN RADIUS : .302
 MEAN RADIUS : 1.142
 MAX RADIUS : 1.860
 CENTROID X : .074
 CENTROID Y : .068

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348975

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.62
 VS= 2.57
 GS= 3.61

1
 4
 7

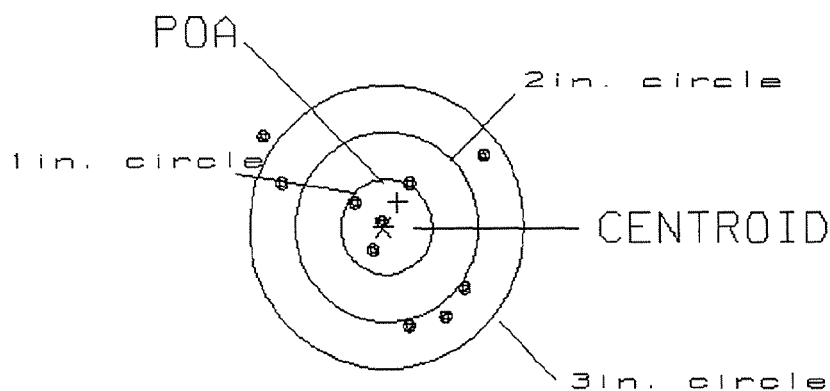
PATTERN #: 4

POA TO CENTROID: .298
 MIN RADIUS : .067
 MEAN RADIUS : .887
 MAX RADIUS : 1.658
 CENTROID X : -.151
 CENTROID Y : -.257

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348975

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.43

3

VS= 2.03

4

GS= 2.78

9

BARBER - M24 0043011

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .304

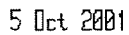
```
MIN RADIUS      :          .353
```

MEAN RADIUS : 1.275

```
MAX RADIUS      :      3.023
```

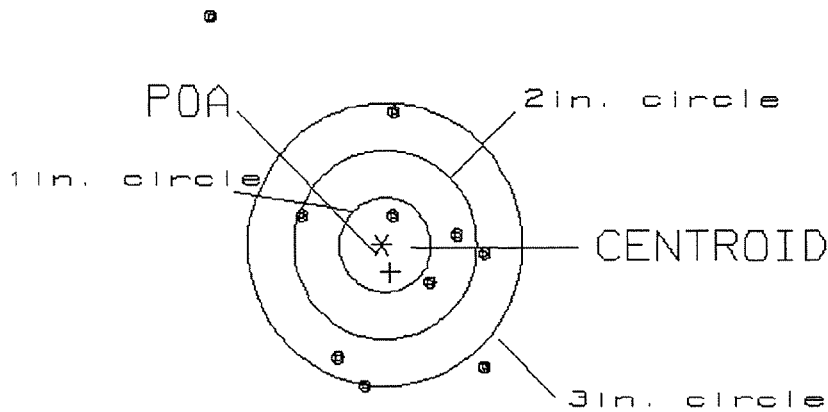
CENTROID X : -.086

CENTROID Y : .292



FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348975

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.98

1

VS= 3.90

4

GS = 4.72

7

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

R & E NUMBER

32493

SERIAL NUMBER

C6348975

LOG-IN DATE

9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-17-01	RHK
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	RHK
600	PROOF	9-21-01	RW
605	CHECK HEADSPACE	9-24-01	KHK
610	DIS-ASSEMBLE GUN	9-24-01	KHK
612	MAGNAFLUX	9-24-01	AL
615	ROLLMARK CALIBER	9-24-01	AL
618	ROTO-BLAST	9/25	HP
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-2-01	RHK
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/5/01	RW
655	FINAL INSPECT	10-6-01	KHK
660	PACK	10-6-01	RHK
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C6348975

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

EDITOR: [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
- ☒ Inon SIGHTS
- ☒ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: _____

Remington®

MODEL 700™ H24

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.

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6348975

ORDER NO.
5716

Q1

5716 C6348975

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348975

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 11	89	RW
600	Proof	7 11	89	RW
607	Check Headspace	7 11	89	RW
610	Dis-assemble Gun	7 11	89	RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt	000000	7/13	KCR
615	Rollmark Caliber		7/13	res
617	Drill and Tap Sight Holes	7 13	89	7B
618	Polish Barrel <i>RB</i>	7 13	89	BT
620	Apply Coatings (Barrel Action)		7-21-89	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/25/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/89	RW
	C) Inspect Ejector Hole for Chamfer		7/25/89	RW
	D) Oil Firing Pin Ass'y		7/25/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1 Aug 89	LS

op. #	BARBER - M24 0043016 OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4	4	4	1 aug 89	JS	
	G) Safety Off Force	3	3	3	1 aug 89	JS	
	H) Trigger Pull Test & Retainability				1 aug 89	JS	
	I) Firing Pin Indent	.021	.0215	.0215	1 aug 89	JS	
	J) Assemble Stock				8/4/89	RW	
	K) Assemble Swivel Studs				8/4/89	JS	
	L) Attach Front and Rear Sight Assemblies				8/4/89	RW	
	M) Iron Sight Alignment				8/4/89	RW	
	N) Detach Front & Rear Sights & place in numbered container				8/4/89	RW	
	O) Attach Scope to Rifle				8/4/89	JL	
	P) Detach & Attach Scope 20 Times				8/4/89	JL	
640	Gallery Target & Test	70 L	80 L	8-4-89	DH		
	A) Time			8-4-89	DH		
	B) Malfunctions			8-4-89	DH		
	C) Pierced Primers			8-4-89	DH		
	D) Optical Clarity of Scope			8-4-89	DH		
645	Inspect for Live Ammo			8-4-89	DH		
655	Final Inspection				7 aug 89	JS	
	A) Headspace				7 aug 89	JS	
	B) Trigger Pull	253	267	251	248	265	7 aug 89
	C) Function				7 aug 89	JS	
660	Pack				9/20/89	K	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 8975
06348870

DATE 16 Oct 89

TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	230	210	216	242	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	236	218	216	254	
PULL #3	244	216	236	247	
PULL #4	239	218	220	246	
PULL #5	243	222	219	243	
TOTAL	1192	1084	1107	1232	
AVG.	2384	2168	2214	2464	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	350	290		
PULL #2	326	302		
PULL #3	322	304		
PULL #4	317	305		
PULL #5	314	303		
TOTAL	1629	1504		
AVG.	3258	3008		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	390	399		460
PULL #2	443	383		433
PULL #3	474	380		426
PULL #4	425	390		441
PULL #5	419	400		406
TOTAL	2151	1952		2166
AVG.	4302	3904		4332

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06848975
4 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.356237
1 TO	2	.664801
1 TO	3	.389976
1 TO	4	.333802
1 TO	5	.57171

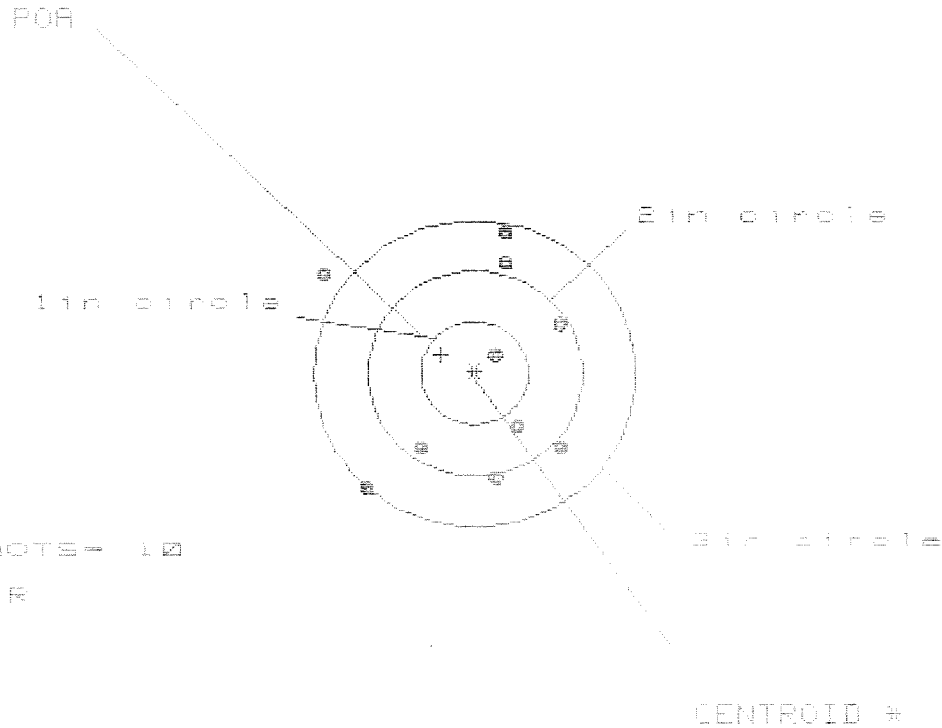
$\bar{x} = .38$ (-----POI)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3898
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0822
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .389571
THE AMR FOR THIS RIFLE IS: 1.12

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348975

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.231

VS= 2.455

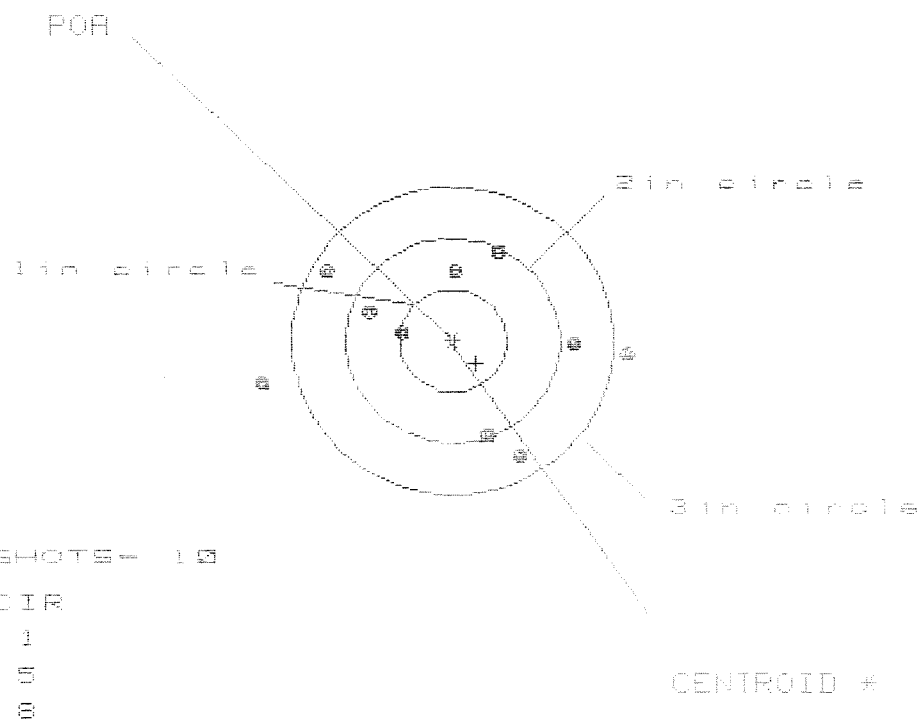
OS= 2.795

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.839	.684	.534
MINIMUM X	-1.392	-1.207	-1.768
MAXIMUM Y	1.345	1.449	1.323
MINIMUM Y	-1.111	-1.006	-1.025
CENTROID X	.308	.463	.613
CENTROID Y	-.179	-.284	-.158
POA TO CENTROID in.	.356	.543	.633
MIN RADIUS	.277	.329	.249
MEAN RADIUS	1.041	.938	.841
MAX RADIUS	1.680	1.571	1.323
HORIZONTAL SPREAD	2.231	1.891	1.302
VERTICAL SPREAD	2.455	2.455	2.348
EXTREME SPREAD	2.795	2.795	2.350
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 8		

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348975

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.389

VS= 2.043

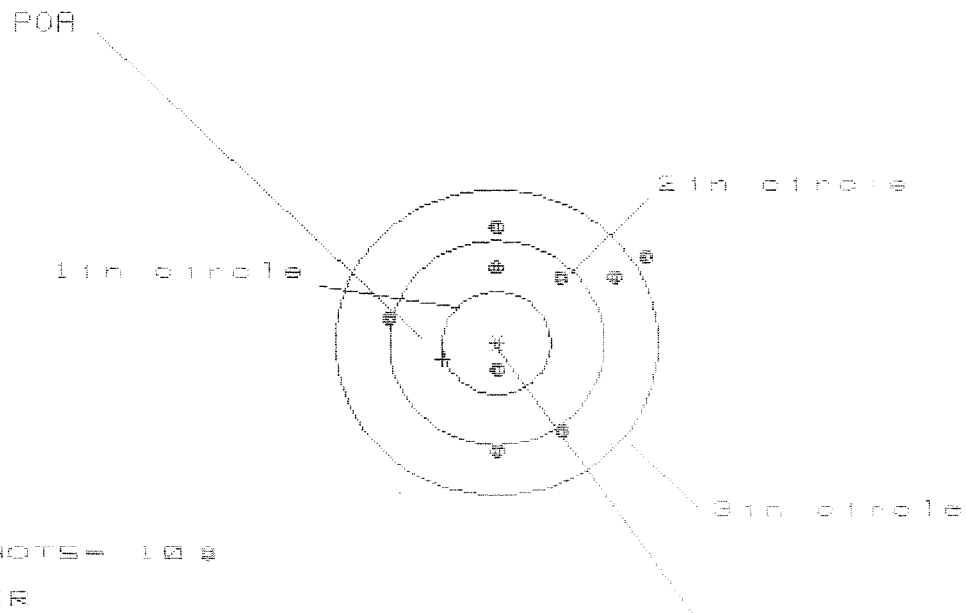
GS= 3.401

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.602	1.403	1.083
MINIMUM X	:	-1.787	-1.396	-1.220
MAXIMUM Y	:	.880	.833	.809
MINIMUM Y	:	-1.163	-1.210	-1.234
CENTROID X	:	-.223	-.024	-.199
CENTROID Y	:	.221	.268	.292
POA TO CENTROID in.	:	.314	.270	.353
MIN RADIUS	:	.487	.676	.500
MEAN RADIUS	:	1.124	1.038	.968
MAX RADIUS	:	1.838	1.523	1.383
HORIZONTAL SPREAD	:	3.389	2.799	2.303
VERTICAL SPREAD	:	2.043	2.043	2.043
EXTREME SPREAD	:	3.401	2.910	2.591
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B375

CENTERFIRE PATTERNS # 3



OF SHOTS= 10 8

IN CIR

1in = 1

2in = 3

3in = 6

HS= 4.135

VS= 3.209

GS= 5.059

CENTROID #

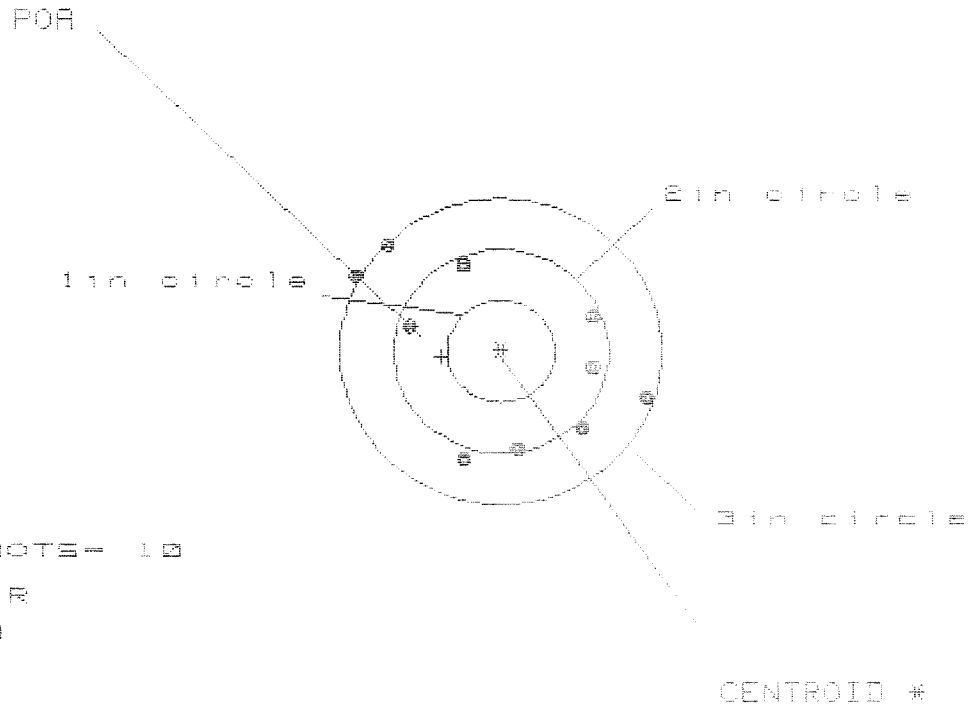
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.391	1.087	.888
MINIMUM X	-2.744	-1.285	-1.150
MAXIMUM Y	1.138	.899	.975
MINIMUM Y	-2.079	-1.333	-1.257
CENTROID X	.499	.803	.668
CENTROID Y	.161	.392	.316
POA TO CENTROID in.	.524	.894	.739
MIN RADIUS	.283	.526	.458
MEAN RADIUS	1.254	.949	.910
MAX RADIUS	3.442	1.372	1.271
HORIZONTAL SPREAD	4.135	2.372	2.038
VERTICAL SPREAD	3.209	2.232	2.232
EXTREME SPREAD	5.059	2.450	2.232
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348975

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.696

VS= 2.072

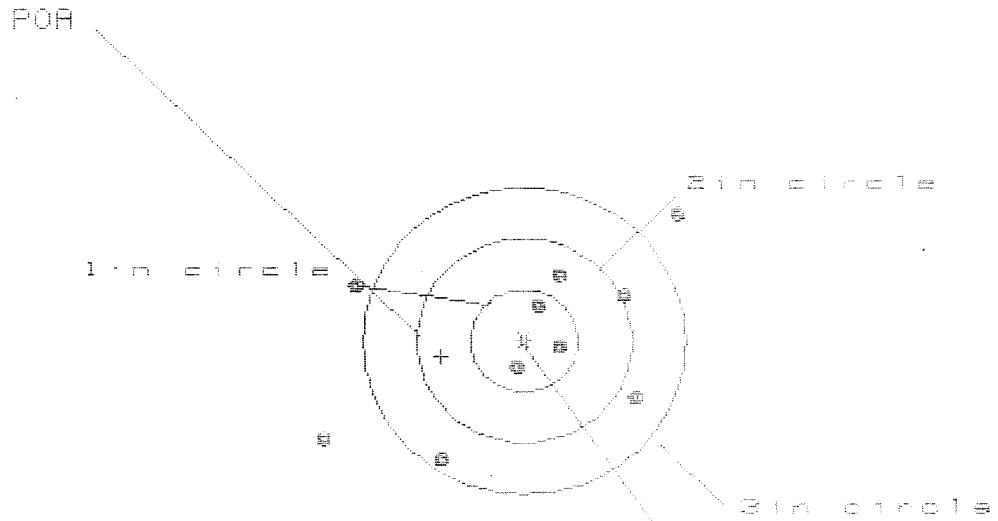
GS= 2.936

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.307	1.152	1.006
MINIMUM X	-1.389	-1.174	-1.100
MAXIMUM Y	1.047	1.128	1.080
MINIMUM Y	-1.025	-0.944	-0.803
CENTROID X	.548	.703	.849
CENTROID Y	.053	-.028	-.169
POA TO CENTROID in.	.551	.703	.866
MIN RADIUS	.816	.653	.511
MEAN RADIUS	1.097	1.017	.897
MAX RADIUS	1.570	1.628	1.257
HORIZONTAL SPREAD	2.696	2.326	2.106
VERTICAL SPREAD	2.072	2.072	1.883
EXTREME SPREAD	2.936	2.756	2.221
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

4 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06348975

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

HS = 3.300

VS = 2.381

GS = 3.963

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.463	1.259	.955
MINIMUM X	-1.837	-1.740	-1.583
MAXIMUM Y	1.204	1.094	.646
MINIMUM Y	-1.177	-1.287	-1.150
CENTROID X	.772	.976	.819
CENTROID Y	.155	.265	.123
POA TO CENTROID in.	.787	1.011	.829
MIN RADIUS	.284	.186	.276
MEAN RADIUS	1.086	.922	.851
MAX RADIUS	2.087	1.782	1.667
HORIZONTAL SPREAD	3.300	2.999	2.538
VERTICAL SPREAD	2.381	2.381	1.796
EXTREME SPREAD	3.963	3.267	2.764
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		