

C6348852

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6348852
Model: 700



RE00032499

BARBER - M24 0039822

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6348852
4 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2024
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0388
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .206085

THE AMR FOR THIS RIFLE IS: .96

CENTROIDAL DISTANCES

0	TO	1	.158521
1	TO	2	.168155
1	TO	3	.141315
1	TO	4	.220771
1	TO	5	.343513

$\begin{matrix} 5 \\ 42 \\ 1 \\ 3 \end{matrix} + \quad \text{<----POA}$

BARBER - M24 0039823

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 1

POA TO CENTROID: .159

MIN RADIUS : .357

MEAN RADIUS : .802

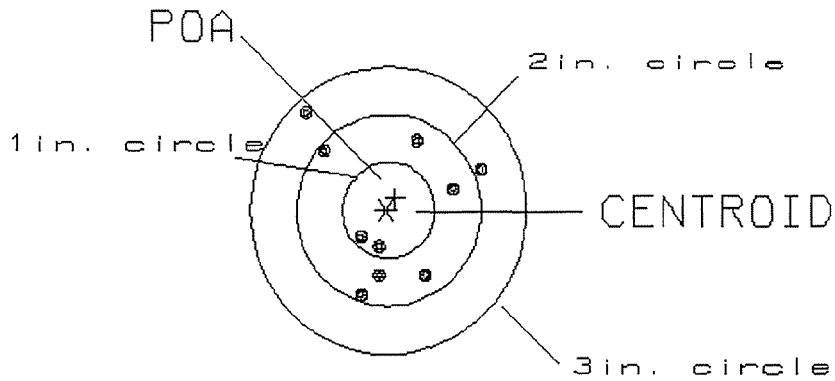
MAX RADIUS : 1.321

CENTROID X : -.100

CENTROID Y : -.123

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348852.1.1

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 1.84

2

VS= 1.90

6

GS= 2.14

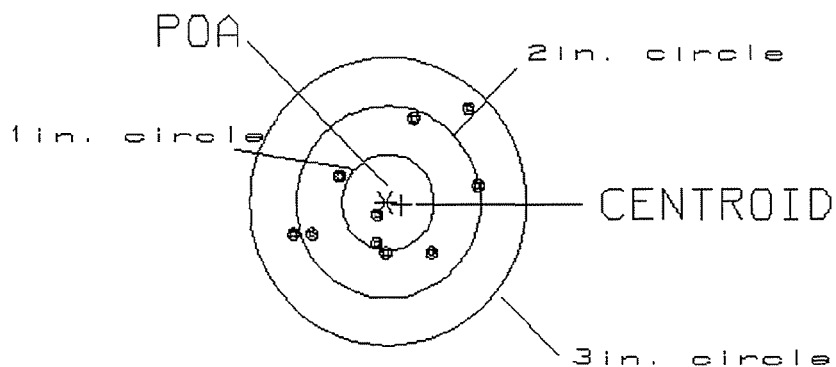
10

PATTERN #: 2
 POA TO CENTROID: .178
 MIN RADIUS : .172
 MEAN RADIUS : .770
 MAX RADIUS : 1.293
 CENTROID X : -.176
 CENTROID Y : .027

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348852.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.02

2

VS= 1.50

7

GS= 2.28

10

BARBER - M24 0039825

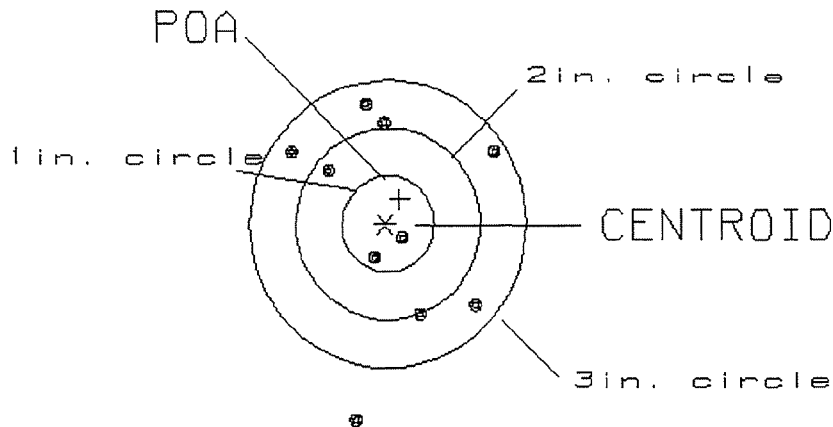
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
POA TO CENTROID: .296
MIN RADIUS : .183
MEAN RADIUS : 1.066
MAX RADIUS : 2.044
CENTROID X : -.153
CENTROID Y : -.254

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348852.1.1

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 2.20

2

VS= 3.30

4

GS= 3.30

9

BARBER - M24 0039826

PATTERN #: 4

POA TO CENTROID: .284

MIN RADIUS : .139

MEAN RADIUS : 1.249

MAX RADIUS : 2.036

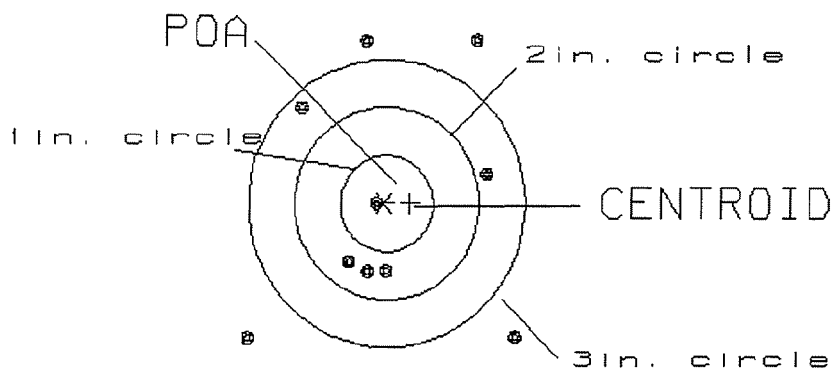
CENTROID X : -.284

CENTROID Y : -.001

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG348852.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.91

1

VS= 3.13

4

GS= 3.92

6

BARBER - M24 0039827

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .338

MIN RADIUS : .255

MEAN RADIUS : .913

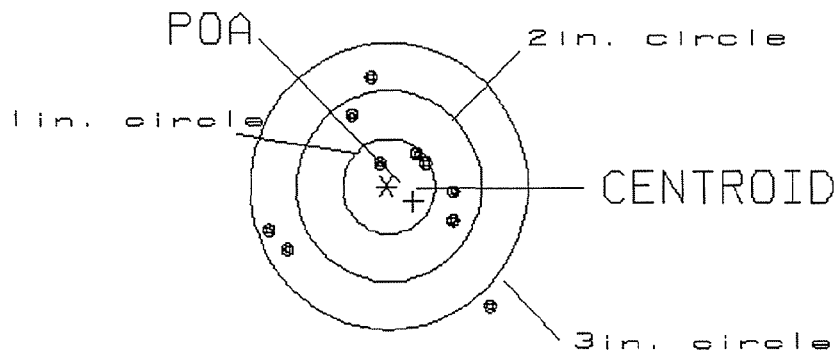
MAX RADIUS : 1.683

CENTROID X : -.299

CENTROID Y : .157

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348852.1.1

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.36

2

VS= 2.49

6

GS= 2.88

9

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

R & E NUMBER 32499

SERIAL NUMBER C 10348852

LOG-IN DATE 9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-18-01	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	Q
575	ASSEMBLE	9-20-01	ETH
600	PROOF	9-21-01	RH
605	CHECK HEADSPACE	9-24-01	RH
610	DIS-ASSEMBLE GUN	9-24-01	RH
612	MAGNAFLUX	OPERATOR AL	
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HH
625 A	FINAL ASSEMBLY	10-01-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/3/01	RH
655	FINAL INSPECT	10-4-01	RH
660	PACK	10-5-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

in: C634 8852

DATE REC'D: 9-13-01

DATE RET'D: 10-5-01

WRITER: *[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
- ☒ IRON SIGHTS
- ☒ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: _____



Remington



DUPONT

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

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

MODEL 700™ H24

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

SERIAL NO.
C6348852

ORDER NO.
5716

Ø1



5716 C6348852

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348852

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 11	89	RW
600	Proof	8 11	89	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		8/15/89	KCR
	Magnaflux Bolt		8/15/89	KCR
615	Rollmark Caliber		8/15/89	C.S.
7	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel RB	8 16	89	
620	Apply Coatings (Barrel Action)			
	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		8/21/89	JO

op. #	BARBER - M24 0039832 OP. NAME	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	5 1/4	5 1/2	5 1/4	8/22/89	WB		
	G) Safety Off Force	3 3/4	3 1/2	3 1/4	8/22/89	WB		
	H) Trigger Pull Test & Retainability				8/21/89	AV		
	I) Firing Pin Indent	.021	.021	.0212	8/22/89	WB		
	J) Assemble Stock				8/22/89	RW		
	K) Assemble Swivel Studs				23 Aug 89	JS		
	L) Attach Front and Rear Sight Assemblies				8/22/89	RW		
	M) Iron Sight Alignment				8/22/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				8/22/89	RW		
	O) Attach Scope to Rifle				8/22/89	WB		
	P) Detach & Attach Scope 20 Times				8/22/89	WB		
640	Gallery Target & Test	88 R	64 L		8-22-89	DH		
	A) Time				8-22-89	DH		
	B) Malfunctions				8-22-89	DH		
	C) Pierced Primers				8-22-89	DH		
	D) Optical Clarity of Scope				8-22-89	DH		
645	Inspect for Live Ammo				8-22-89	DH		
655	Final Inspection							
	A) Headspace				23 Aug 89	JS		
	B) Trigger Pull	2.58	2.61	2.64	2.49	2.62	23 Aug 89	JS
	C) Function						23 Aug 89	JS
660	Pack						20 Sept 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348963DATE 10 Oct 89TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	253	250	244	264	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	235	246	274	275	
PULL #3	251	245	267	275	
PULL #4	239	243	281	281	
PULL #5	246	246	255	269	
TOTAL	1224	1230	1321	1364	
AVG.	2.448	2.46	2.642	2.728	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	299	311		
PULL #2	318	291		
PULL #3	317	315		
PULL #4	320	318		
PULL #5	322	321		
TOTAL	1576	1556		
AVG.	3.152	3.112		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	438	435		409
PULL #2	435	440		399
PULL #3	432	435		363
PULL #4	420	396		399
PULL #5	430	427		396
TOTAL	2155	2133		1966
AVG.	4.31	4.266		3.932

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348852
23 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.461876
1 TO	2	.356553
1 TO	3	.262088
1 TO	4	.0483011
1 TO	5	.978616

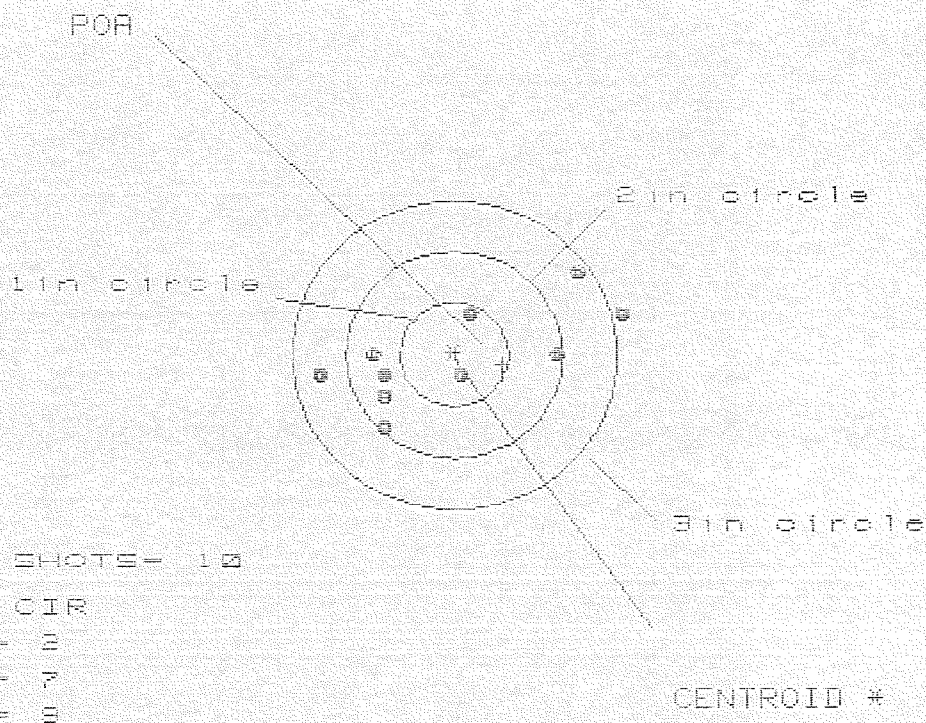
1st 2nd POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2536
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .273719
THE AMP FOR THIS RIFLE IS: 1.067

22 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348352

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.849

VS= 1.483

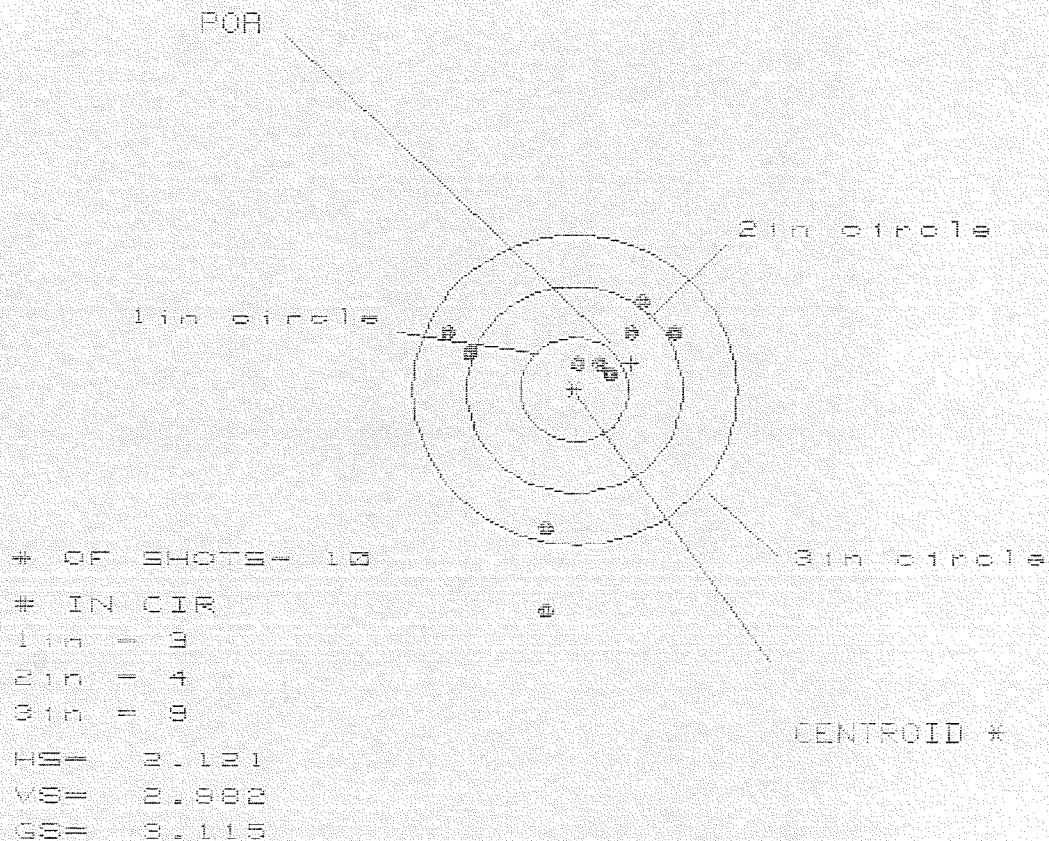
GS= 2.908

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.589	1.316	1.262
MINIMUM X	-1.260	-1.084	-0.919
MAXIMUM Y	.817	.866	.538
MINIMUM Y	-.666	-.617	-.509
CENTROID X	-.452	-.628	-.793
CENTROID Y	.095	.046	-.062
POA TO CENTROID in.	.462	.630	.795
MIN RADIUS	.199	.277	.309
MEAN RADIUS	.894	.777	.629
MAX RADIUS	1.648	1.576	1.273
HORIZONTAL SPREAD	2.849	2.400	2.181
VERTICAL SPREAD	1.483	1.483	1.047
EXTREME SPREAD	2.908	2.586	2.187
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B852

CENTERFIRE PATTERNS # 2

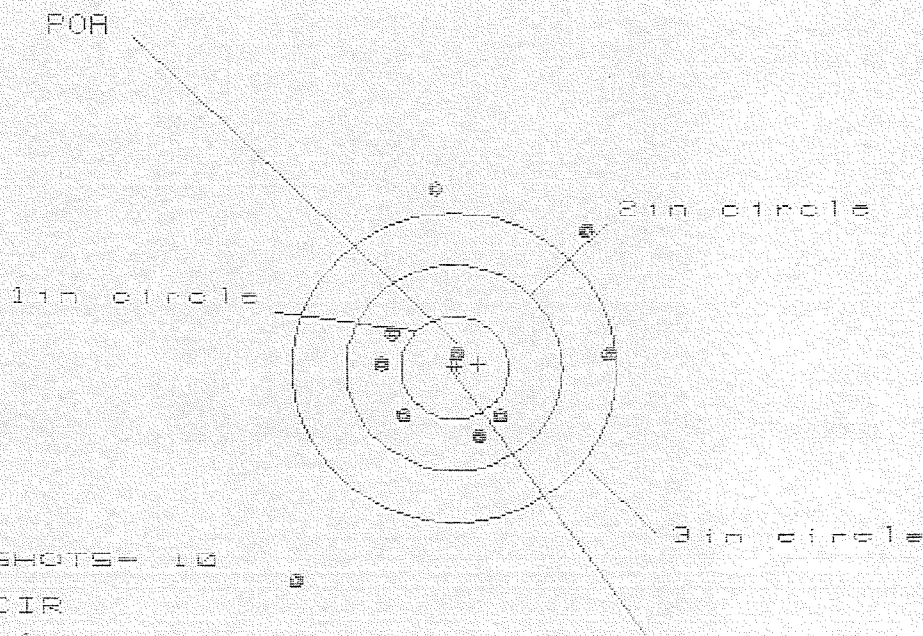


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.943	.917	.880
MINIMUM X	:	-1.173	-1.204	-1.241
MAXIMUM Y	:	.856	.620	.419
MINIMUM Y	:	-2.126	-1.606	-1.284
CENTROID X	:	-.525	-.499	-.462
CENTROID Y	:	-.254	-.018	.183
POR TO CENTROID in.	:	.583	.499	.497
MIN RADIUS	:	.240	.027	.207
MEAN RADIUS	:	.970	.758	.649
MAX RADIUS	:	2.139	1.633	1.243
HORIZONTAL SPREAD	:	2.121	2.121	2.121
VERTICAL SPREAD	:	2.982	2.226	.703
EXTREME SPREAD	:	3.115	2.414	2.122
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346852

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 7

HS= 2.911

VS= 3.782

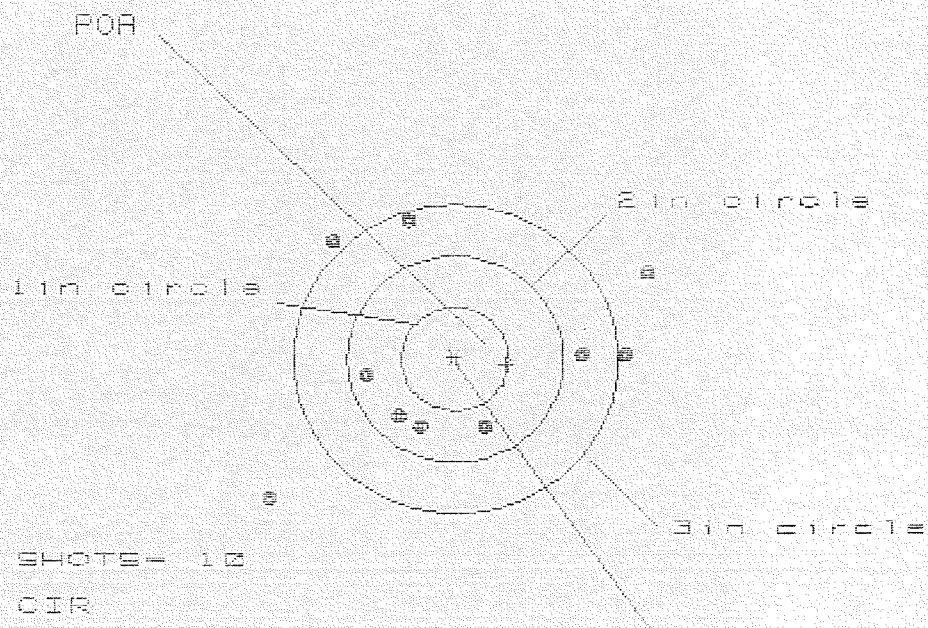
GS= 4.319

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.455
MINIMUM X	-1.456
MAXIMUM Y	1.749
MINIMUM Y	-2.033
CENTROID X	-.225
CENTROID Y	-.036
POA TO CENTROID in.	.227
MIN RADIUS	.093
MEAN RADIUS	1.103
MAX RADIUS	2.501
HORIZONTAL SPREAD	2.911
VERTICAL SPREAD	3.782
EXTREME SPREAD	4.319
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	7

22 Aug 1999

FILE:/PATTERNING/CENTERFIRE_PATT/0634B852

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS= 3.572

VS= 2.685

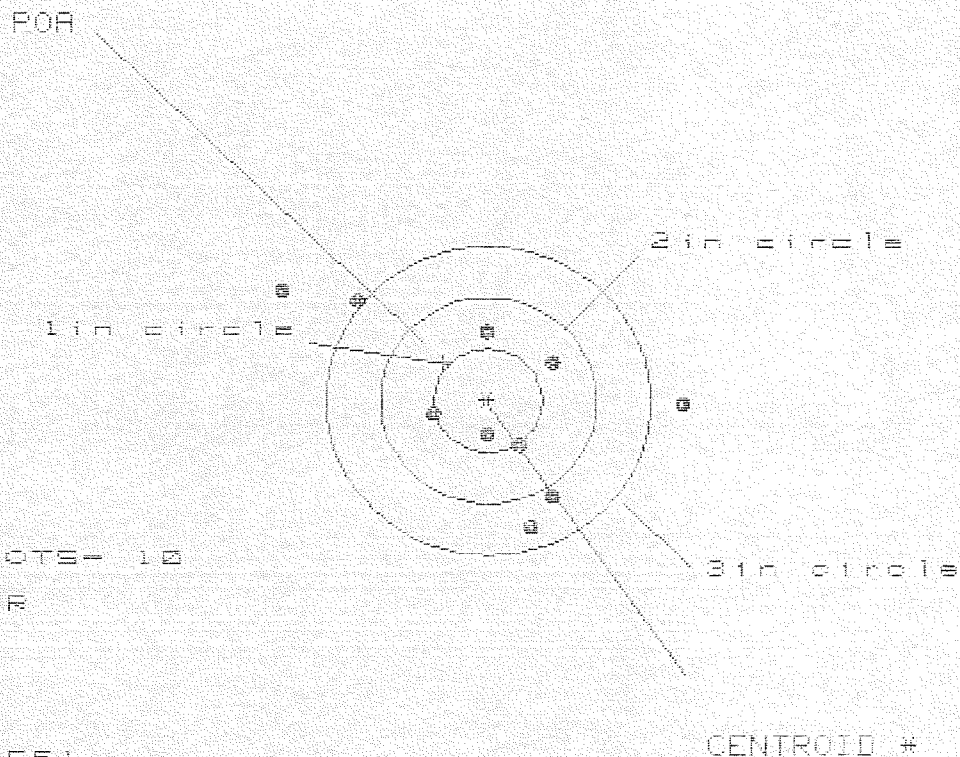
GS= 4.168

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.823	1.629	1.566
MINIMUM X	-1.749	-1.278	-1.075
MAXIMUM Y	1.341	1.192	1.273
MINIMUM Y	-1.344	-1.805	-1.724
CENTROID X	-1.474	-1.280	-1.483
CENTROID Y	.052	.201	.120
POA TO CENTROID in.	.477	.345	.498
MIN RADIUS	.709	.811	.768
MEAN RADIUS	1.303	1.217	1.113
MAX RADIUS	2.206	1.755	1.567
HORIZONTAL SPREAD	3.572	2.907	2.641
VERTICAL SPREAD	2.685	1.997	1.997
EXTREME SPREAD	4.168	2.931	2.876
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

22 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6340852

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.651

VS= 2.271

GS= 3.811

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.785	1.578	1.627
MINIMUM X	-1.866	-1.382	-1.185
MAXIMUM Y	1.068	1.090	1.101
MINIMUM Y	-1.203	-1.084	-1.073
CENTROID X	.408	.615	.748
CENTROID Y	-.372	-.491	-.502
POA TO CENTROID in.	.552	.787	.654
MIN RADIUS	.348	.325	.219
MEAN RADIUS	1.067	.913	.815
MAX RADIUS	2.150	1.760	1.618
HORIZONTAL SPREAD	3.651	2.960	1.812
VERTICAL SPREAD	2.271	2.174	2.174
EXTREME SPREAD	3.811	3.123	2.653
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		