

C6348852

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



M2400039859

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

Remington

Arms Services Repair & Estimate

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00032499** Serial: C6348852 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 17 of 25 Repairman: Status: New 9/14/01 3:10:59 PM

Verify Repair

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

nagletj 9/17/01 7:50 AM CAPS NUM INS SCRL

Start Arms Services Repair & Es... 7:50 AM

Serial Number: **C6348852**

Model: **700**



RE00032499

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

5
42 + <----POA
1
3

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .159

MIN RADIUS : .357

MEAN RADIUS : .802

MAX RADIUS : 1.321

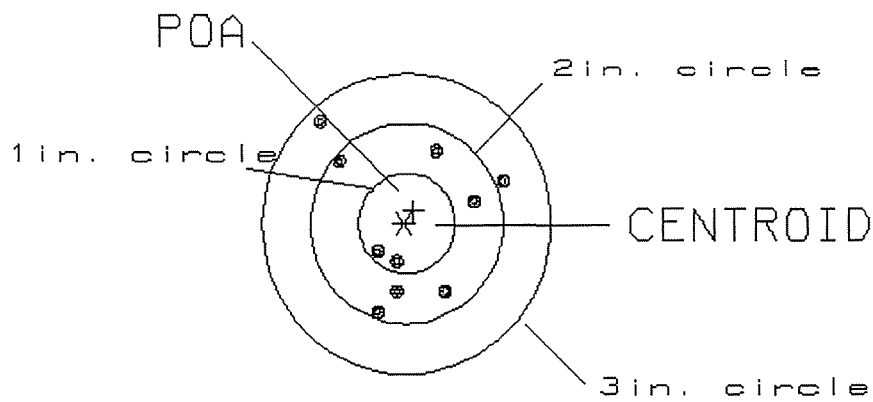
CENTROID X : -.100

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

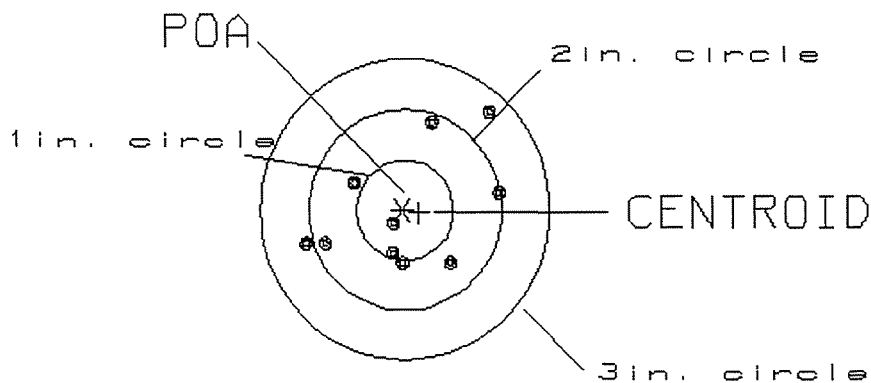
10

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

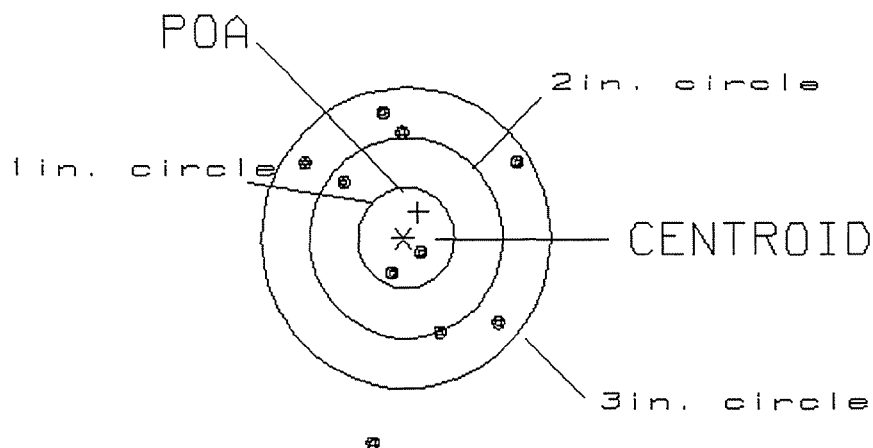
10

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
 VS= 3.30
 GS= 3.30

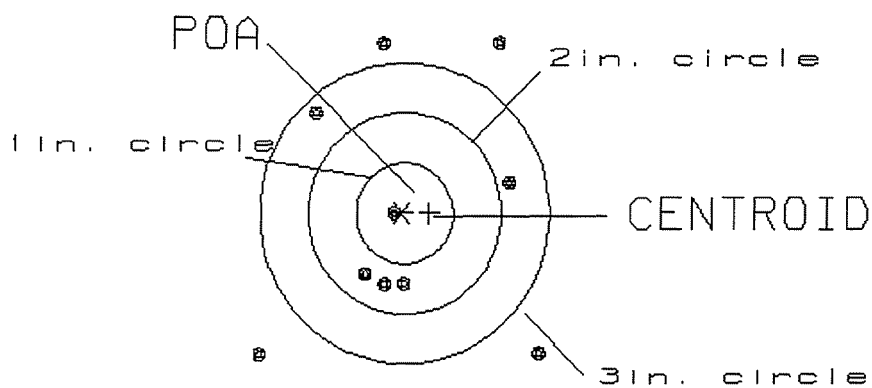
2
 4
 9

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/C6348852.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.91

1

VS= 3.13

4

GS= 3.92

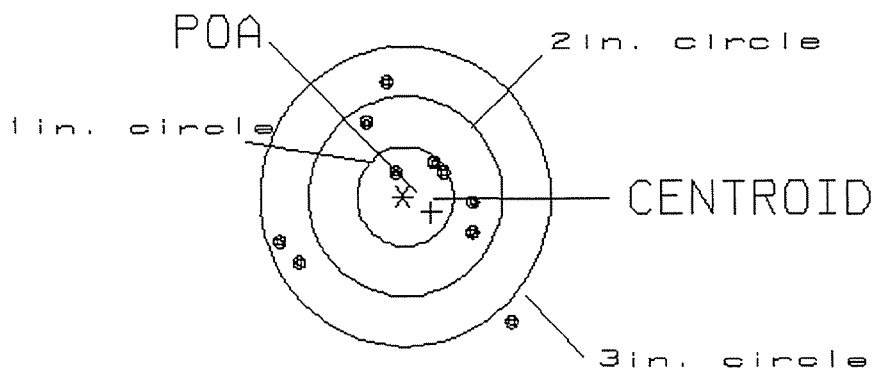
6

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
 VS= 2.49
 GS= 2.80

2
 6
 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	CD
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	AL	
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	H
625 A	FINAL ASSEMBLY	10-01-01	DM
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: C1234 8852

DATE REC'D: 9-13-01

DATE RET'D: 10-5-01

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
- ☒ IRON SIGHTS
- ☒ DEPLOYMENT KIT

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: _____

Remington®


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

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

MODEL 700™ H24

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

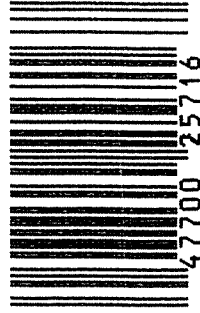

5716 06348852

SERIAL NO.
C6348852

ORDER NO.
5716

Ø1

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	KCK
	Magnaflux Bolt		8/15/89	KCK
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. #	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	JO
	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	88R	64L				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. C6348963

DATE 10 Oct 89

TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	253	2.50	2.44	2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	235	2.46	2.74	2.75	
PULL #3	251	2.45	2.67	2.75	
PULL #4	239	2.43	2.81	2.81	
PULL #5	246	2.46	2.55	2.69	
TOTAL	1224	12.30	13.21	13.67	
AVG.	2.448	2.46	2.642	2.728	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.99	3.11		
PULL #2	3.18	2.91		
PULL #3	3.17	3.15		
PULL #4	3.20	3.18		
PULL #5	3.22	3.21		
TOTAL	15.76	15.56		
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	4.38	4.35		4.09
PULL #2	4.35	4.40		3.99
PULL #3	4.32	4.35		3.63
PULL #4	4.20	3.96		3.99
PULL #5	4.30	4.27		3.96
TOTAL	21.55	21.33		19.66
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

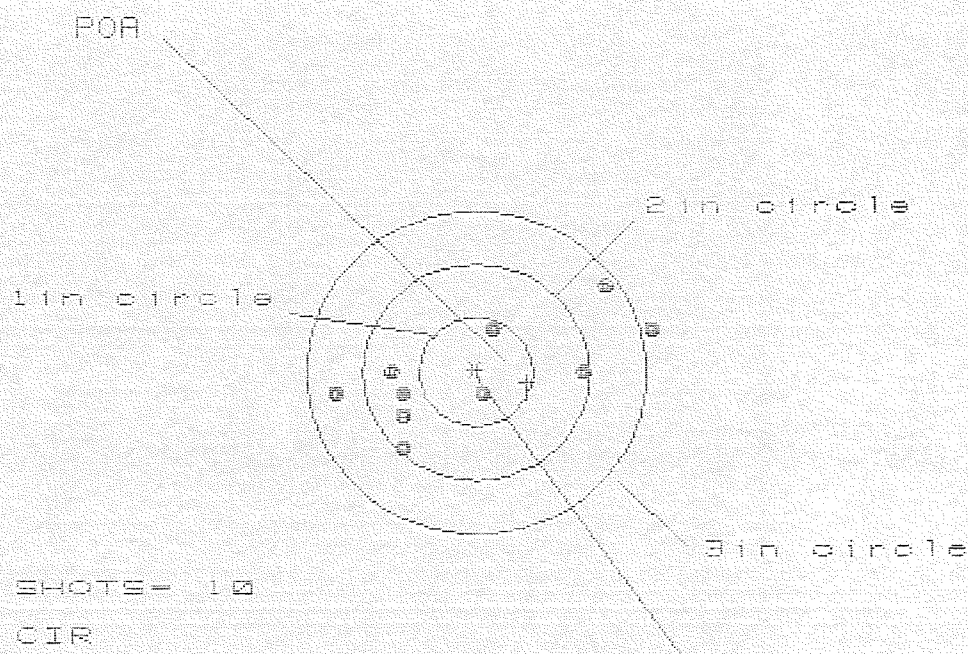
4st (----POA
2st

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2536
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.103
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .273719
THE AMR FOR THIS RIFLE IS: 1.067

22 Aug 1989

FILE://PATTERNING/CENTERFIRE_PATT/C634B852

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

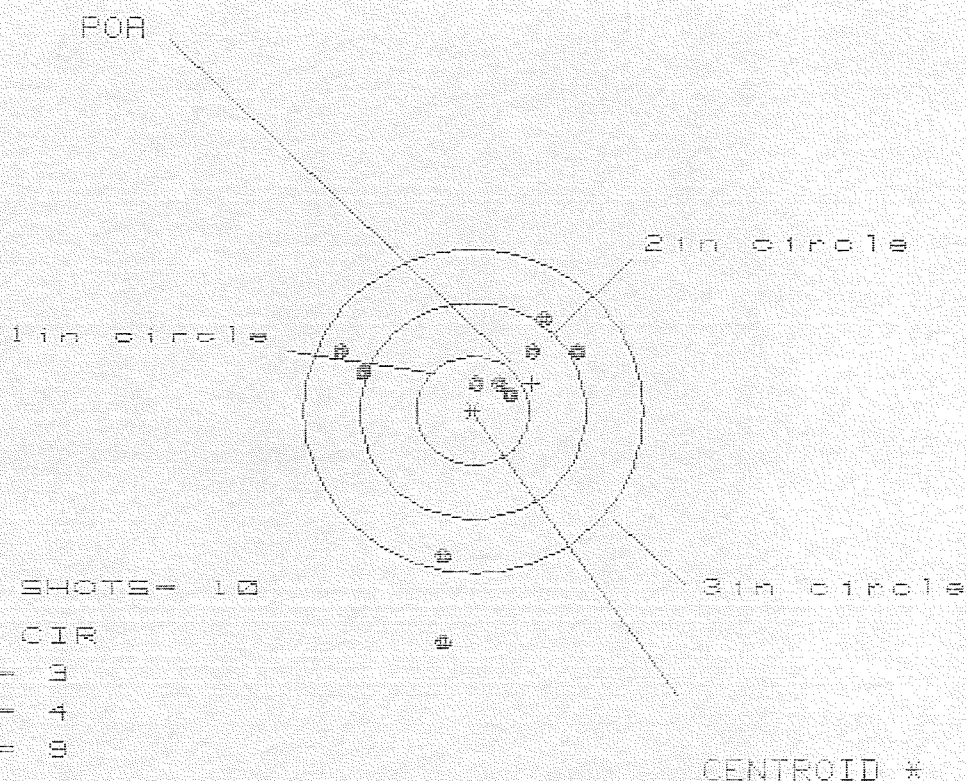
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.589	1.316	1.262
MINIMUM X	-1.260	-1.084	-1.919
MAXIMUM Y	.817	.866	.538
MINIMUM Y	-.666	-.617	-.509
CENTROID X	-.452	-.628	-.733
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/C634B052

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 3

HS= 2.121

VS= 2.982

GS= 3.115

CENTROID #

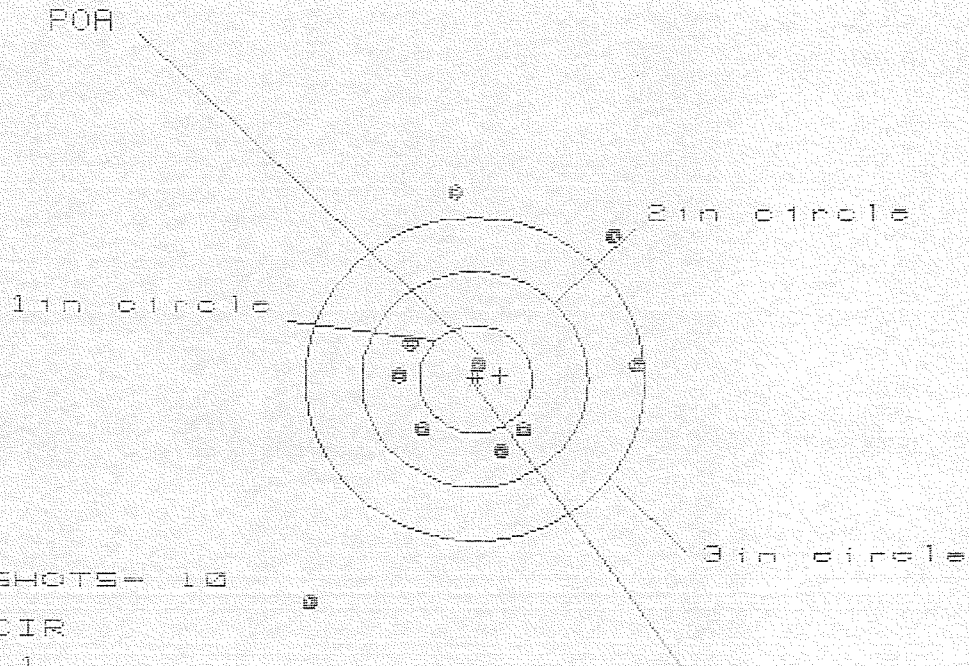
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.943	.917	.880
MINIMUM X	:	-1.178	-1.204	-1.241
MAXIMUM Y	:	.856	.620	.419
MINIMUM Y	:	-2.126	-1.606	-.284
CENTROID X	:	-.525	-.499	-.462
CENTROID Y	:	-.254	-.018	.183
POA TO CENTROID in.	:	.583	.499	.497
MIN RADIUS	:	.240	.027	.207
MEAN RADIUS	:	.970	.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/0634B852

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.911

VS= 3.782

GS= 4.319

CENTROID *

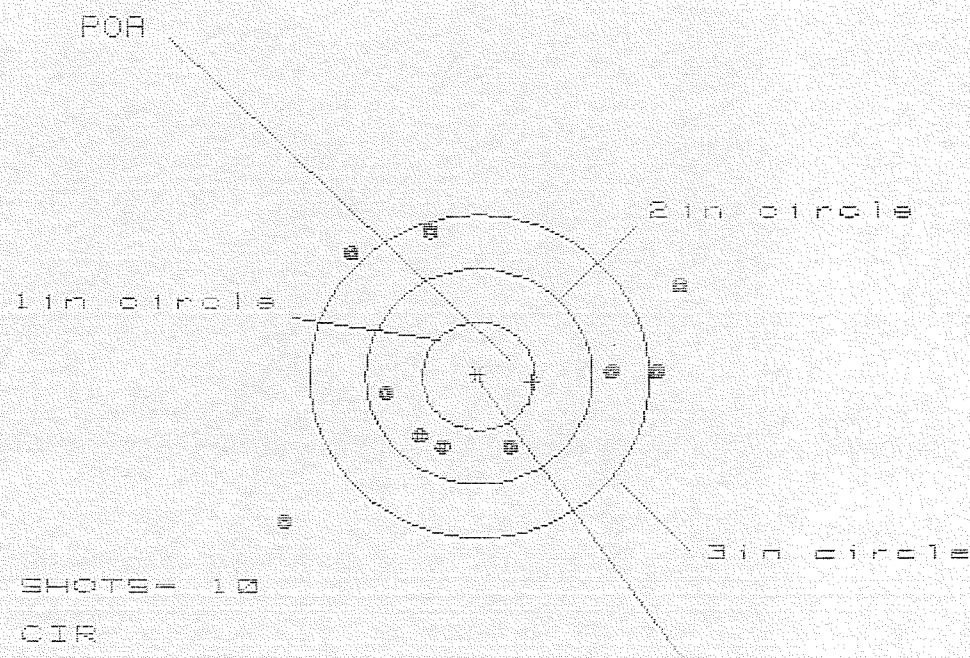
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.455	1.293	1.426
MINIMUM X	-1.456	-0.869	-1.736
MAXIMUM Y	1.749	1.523	1.663
MINIMUM Y	-2.033	-1.925	-1.785
CENTROID X	-0.225	-0.063	-0.196
CENTROID Y	-0.036	0.190	0.050
POA TO CENTROID in.	0.227	0.200	0.203
MIN RADIUS	0.093	0.198	0.013
MEAN RADIUS	1.103	0.982	0.841
MAX RADIUS	2.501	1.556	1.673
HORIZONTAL SPREAD	2.911	2.162	2.162
VERTICAL SPREAD	3.782	2.448	2.448
EXTREME SPREAD	4.319	2.498	2.476
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/C634B852

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.572

VS= 2.685

GS= 4.168

CENTROID #

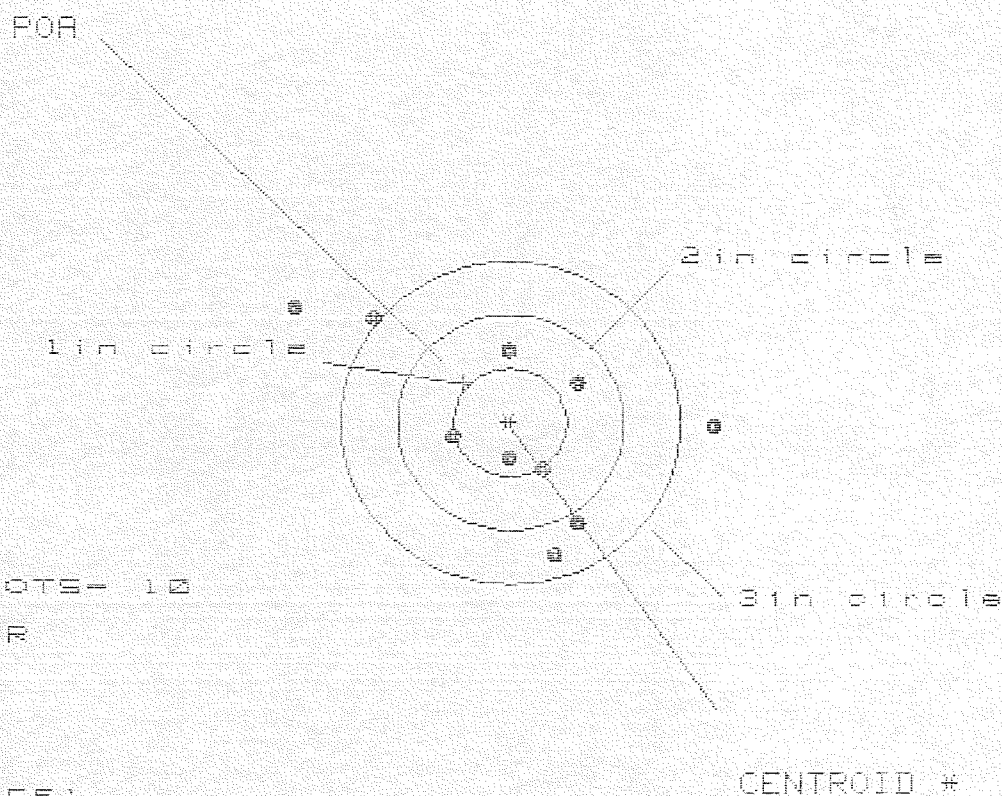
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.823	1.629	1.566
MINIMUM X	-1.749	-1.278	-1.075
MAXIMUM Y	1.341	1.192	1.273
MINIMUM Y	-1.344	-1.805	-1.724
CENTROID X	-.474	-.280	-.483
CENTROID Y	.052	.201	.120
POA TO CENTROID in.	.477	.345	.498
MIN RADIUS	.709	.811	.768
MEAN RADIUS	1.303	1.217	1.113
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/C834B852

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	.418
CENTROID Y	-.372	-.491	-.502
POA TO CENTROID in.	.552	.787	.654
MIN RADIUS	.348	.325	.219
MEAN RADIUS	1.067	.913	.916
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		