

06523494

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: **RE00009439** Serial: C6523494 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: New 5/18/00 2:25:59 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: HSC 3RD BN, 3RD SFG (A) HSC 3RD BN, 3RD SFG (A)

Address 1: Address 2: PO Box: PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1

Repair Search Refresh Close

Start | Inbox... | Micro... | SAP... | Nagle... | Audit | R&R... | Arms... | RE. P... | Prin... | 3:03 PM

Serial Number:

C6523494

Model: **700**



RE00009439

96003 - BBL

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6523494
11 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .032
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0496
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0590268

THE AMR FOR THIS RIFLE IS: .9658

CENTROIDAL DISTANCES

0	TO	1	.14321
1	TO	2	.62981
1	TO	3	.0716938
1	TO	4	.145055
1	TO	5	.449419

5 2
3 + <----POA
4

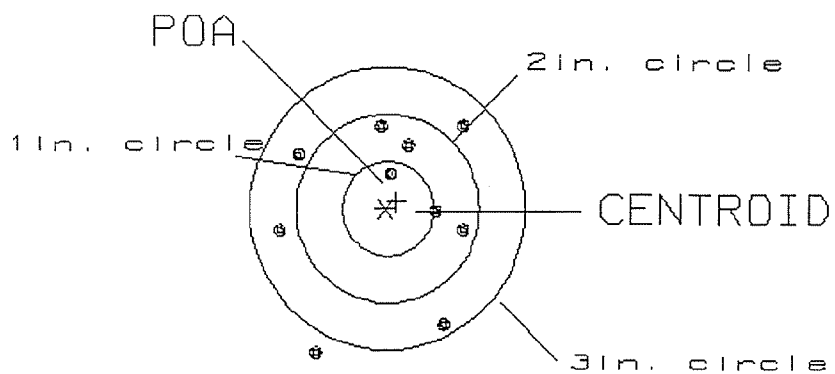
PATTERN #: 1

POA TO CENTROID: .143
 MIN RADIUS : .348
 MEAN RADIUS : .991
 MAX RADIUS : 1.688
 CENTROID X : -.122
 CENTROID Y : -.075

11 Sep 2000

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6523494.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.01

1

VS= 2.40

5

GS= 2.83

9

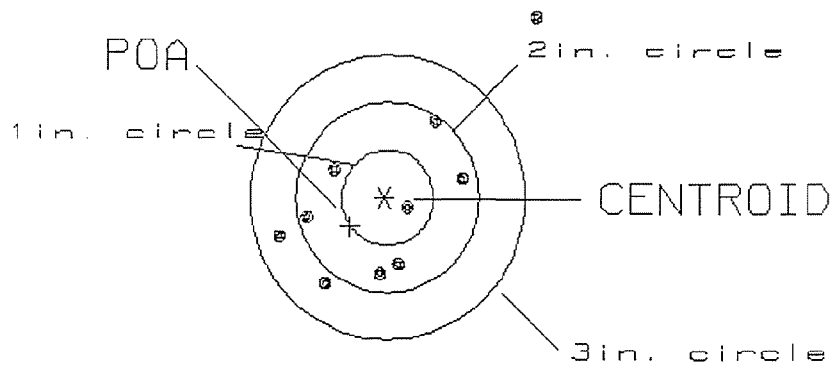
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .487
 MIN RADIUS : .246
 MEAN RADIUS : 1.000
 MAX RADIUS : 2.536
 CENTROID X : .384
 CENTROID Y : .300

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.79
 VS= 2.82
 GS= 3.67

1
 7
 9

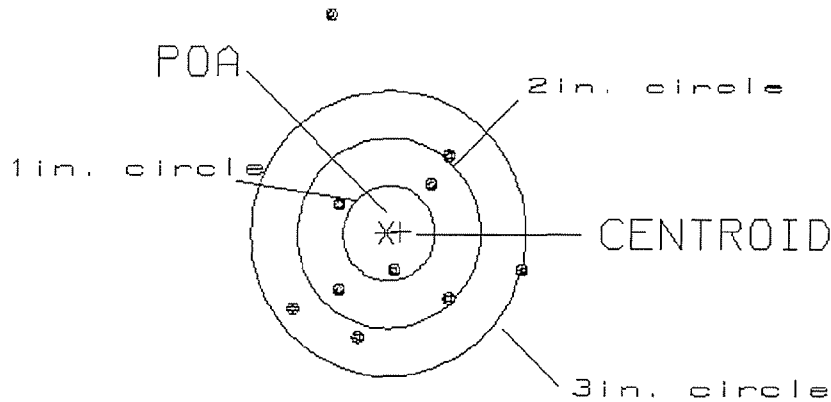
PATTERN #: 3

POA TO CENTROID: .159
 MIN RADIUS : .345
 MEAN RADIUS : 1.081
 MAX RADIUS : 2.379
 CENTROID X : -.158
 CENTROID Y : -.013

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.50
 VS= 3.36
 GS= 3.42

1
 5
 8

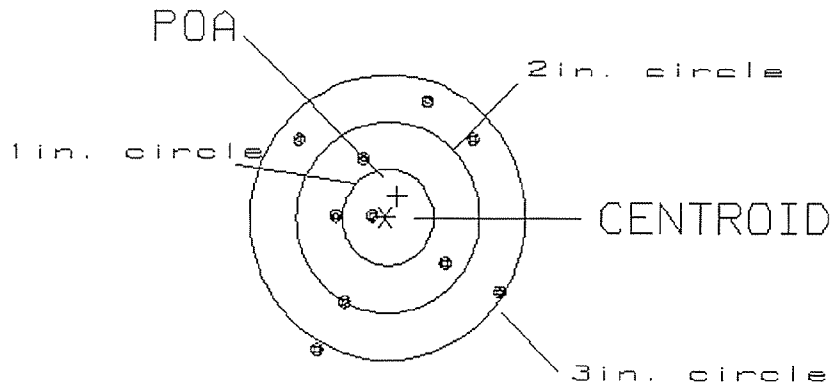
PATTERN #: 4

POA TO CENTROID: .253
 MIN RADIUS : .158
 MEAN RADIUS : .993
 MAX RADIUS : 1.556
 CENTROID X : -.126
 CENTROID Y : -.220

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.22
 VS= 2.51
 GS= 2.79

1
 4
 9

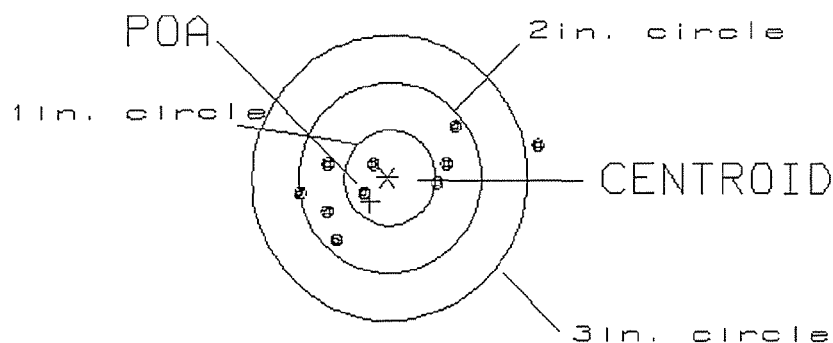
PATTERN #: 5

POA TO CENTROID: .314
 MIN RADIUS : .244
 MEAN RADIUS : .764
 MAX RADIUS : 1.668
 CENTROID X : .182
 CENTROID Y : .256

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.65

2

VS= 1.27

8

GS= 2.70

9

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6523494
11 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .044
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0104
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0452124

THE AMR FOR THIS RIFLE IS: 1.436

CENTROIDAL DISTANCES

0	TO	1	.2
1	TO	2	.254804
1	TO	3	.285577
1	TO	4	.453855
1	TO	5	.2164

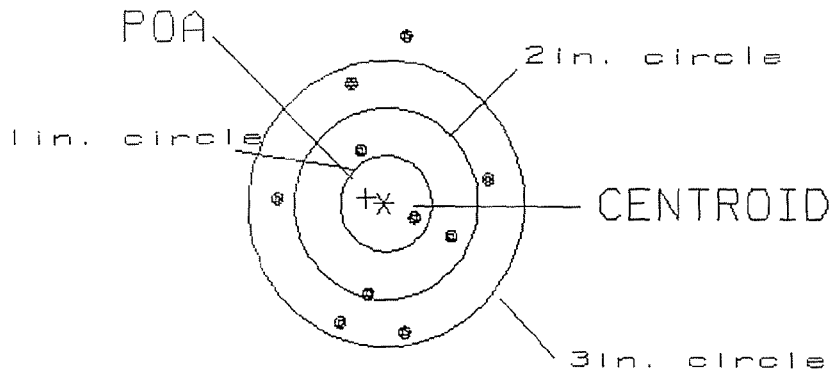
4 3
5 1 <----POA
2

PATTERN #: 1
 POA TO CENTROID: .199
 MIN RADIUS : .319
 MEAN RADIUS : 1.087
 MAX RADIUS : 1.809
 CENTROID X : .192
 CENTROID Y : -.056

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.30
 VS= 3.12
 GS= 3.12

1
 4
 5

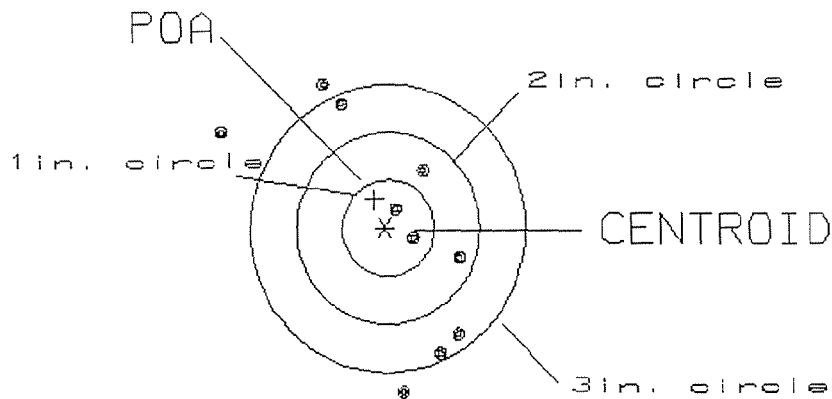
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .324
 MIN RADIUS : .176
 MEAN RADIUS : 1.166
 MAX RADIUS : 2.086
 CENTROID X : .122
 CENTROID Y : -.301

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.60

2

VS= 3.23

4

GS= 3.39

7

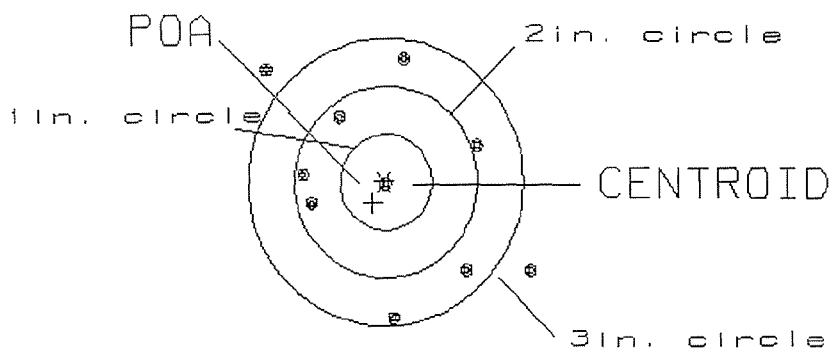
PATTERN #: 3

POA TO CENTROID: .247
 MIN RADIUS : .045
 MEAN RADIUS : 1.129
 MAX RADIUS : 1.802
 CENTROID X : .115
 CENTROID Y : .219

11 Sep 2000

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6523494

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.91

1

VS= 2.72

4

GS= 3.56

8

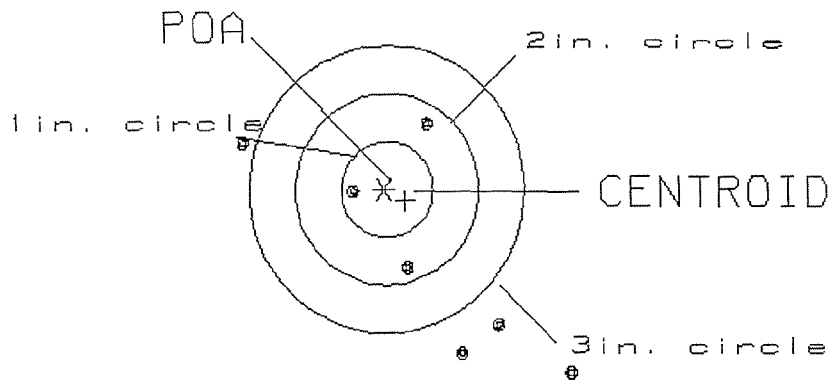
PATTERN #: 4

POA TO CENTROID: .255
 MIN RADIUS : .346
 MEAN RADIUS : 2.160
 MAX RADIUS : 4.300
 CENTROID X : -.228
 CENTROID Y : .116

11 Sep 2000

FILE:/H:\Basic/Accuracy/Patterning/Centerfire_Patt/c6523494

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.62

1

VS= 7.31

3

GS= 7.38

3

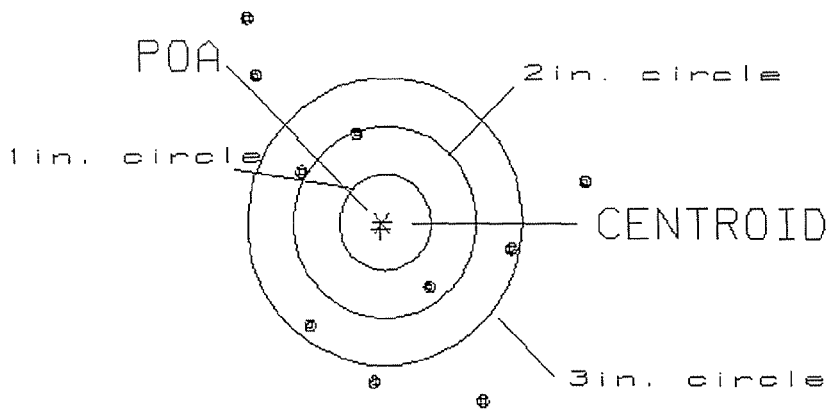
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .076
 MIN RADIUS : .841
 MEAN RADIUS : 1.639
 MAX RADIUS : 2.611
 CENTROID X : .019
 CENTROID Y : .074

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6523494

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.74

0

VS= 4.00

2

GS= 4.77

5

FINAL Inspection

Sn: C6523494

DATE REC'D: 5-12-00

DATE RET'D:

AUDITOR: RW

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:

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

[illegible]




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

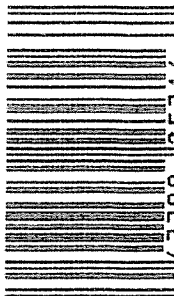
MODEL 700TM H24

SERIAL NO.
C6523494

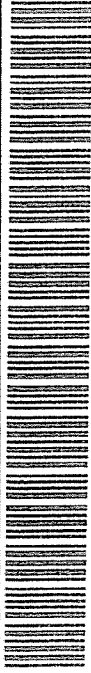
ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6523494

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523494

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25 90	9 25 90	RW
600	Proof	9 25 90	9 25 90	RW
607	Check Headspace	9 25 90	9 25 90	RW
610	Dis-assemble Gun	9 25 90	9 25 90	RW
612	Magnaflux Barrel Action		9-26-90	KR
	Magnaflux Bolt		9-26-90	KR
615	Rollmark Caliber		9-26-90	GL
617	Drill and Tap Sight Holes		9/28/90	LB
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10-5-90	JA
	Apply Coating (Bolt)		10-5-90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/22/90	JA

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2		10/23/90	W.B.
	G) Safety Off Force	2	2	2		10/23/90	W.B.
	H) Trigger Pull Test & Retainability					10/22/90	JH
	I) Firing Pin Indent	.022	.022	.022		10/23/90	W.B.
	J) Assemble Stock					10/26/90	Rev
	K) Assemble Swivel Studs					3/10/90	JH
	L) Attach Front and Rear Sight Assemblies					10/26/90	Rev
	M) Iron Sight Alignment					10/26/90	Rev
	N) Detach Front & Rear Sights & place in numbered container					10/26/90	Rev
	O) Attach Scope to Rifle					10/26/90	Rev
	P) Detach & Attach Scope 20 Times					10/26/90	Rev
640	Gallery Target & Test					10-29-90	DH
	A) Time					10-29-90	DH
	B) Malfunctions					10-29-90	DH
	C) Pierced Primers					10-29-90	DH
	D) Optical Clarity of Scope					10-29-90	DH
645	Inspect for Live Ammo					10-29-90	DH
655	Final Inspection						
	A) Headspace					3/10/90	JH
	B) Trigger Pull	225	222	224	214	222	3/10/90 JH
	C) Function					3/10/90	JH
660	Pack					12-17-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 06523494

DATE 10/22/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.48	2.52	225	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.44	2.38	222	
PULL #3	2.28	2.23	2.49	224	
PULL #4	2.49	2.41	2.46	214	
PULL #5	2.31	2.42	2.48	222	
TOTAL	11.43	11.98	12.33		
AVG.	2.286	2.396	2.466		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.28		
PULL #2	3.25	3.36		
PULL #3	3.36	3.26		
PULL #4	3.29	3.32		
PULL #5	3.29	3.33		
TOTAL	16.45	16.55		
AVG.	3.29	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.24		4.34
PULL #2	4.35	4.33		4.33
PULL #3	4.34	4.34		4.34
PULL #4	4.32	4.31		4.33
PULL #5	4.33	4.34		4.31
TOTAL	21.67	21.56		21.65
AVG.	4.334	4.312		4.33

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523494
29 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.137902
1 TO	2	.313589
1 TO	3	.293437
1 TO	4	.218826
1 TO	5	.333997

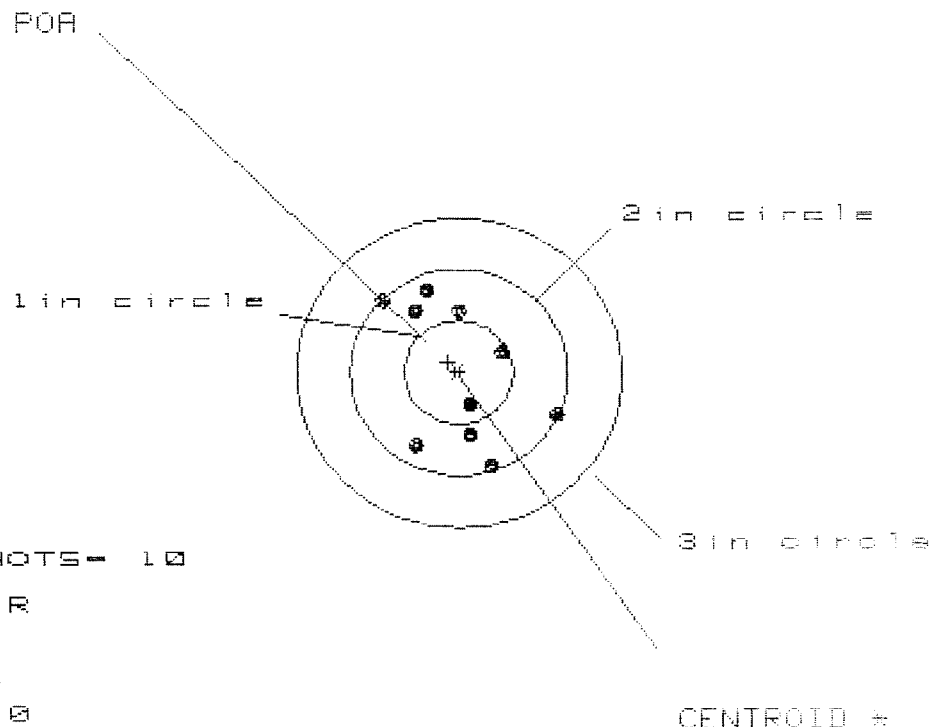
315 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .123
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0128
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123664
THE AMR FOR THIS RIFLE IS: .804

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523494

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 1.553

VS= 1.696

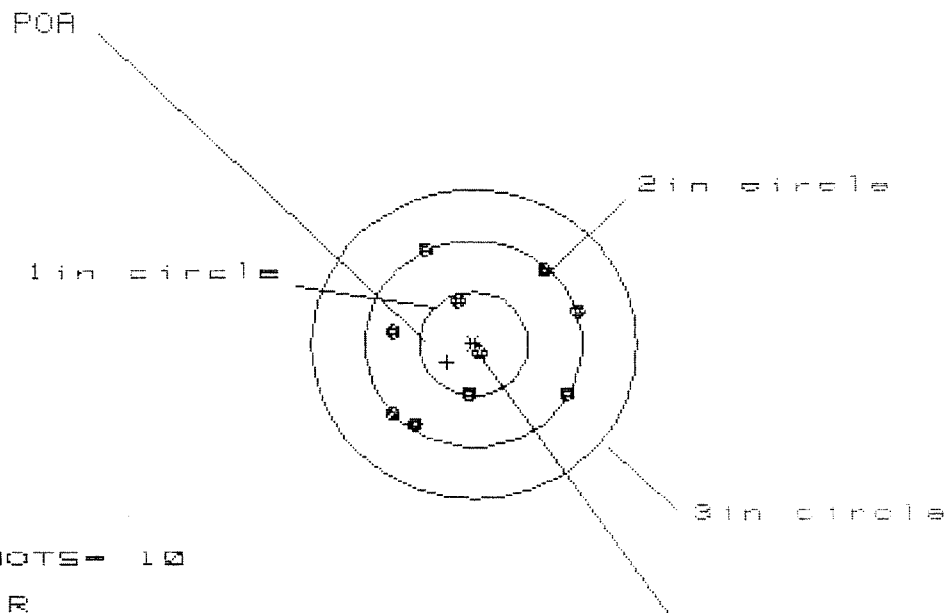
GS= 1.931

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.856	.779	.805
MINIMUM X	:	-.697	-.442	-.416
MAXIMUM Y	:	.758	.839	.732
MINIMUM Y	:	-.938	-.857	-.724
CENTROID X	:	.099	.176	.150
CENTROID Y	:	-.096	-.177	-.070
POA TO CENTROID in.	:	.138	.250	.166
MIN RADIUS	:	.280	.188	.296
MEAN RADIUS	:	.722	.677	.651
MAX RADIUS	:	1.006	.919	.901
HORIZONTAL SPREAD	:	1.553	1.221	1.221
VERTICAL SPREAD	:	1.696	1.696	1.456
EXTREME SPREAD	:	1.931	1.793	1.620
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523494

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.719

VS= 1.713

GS= 1.985

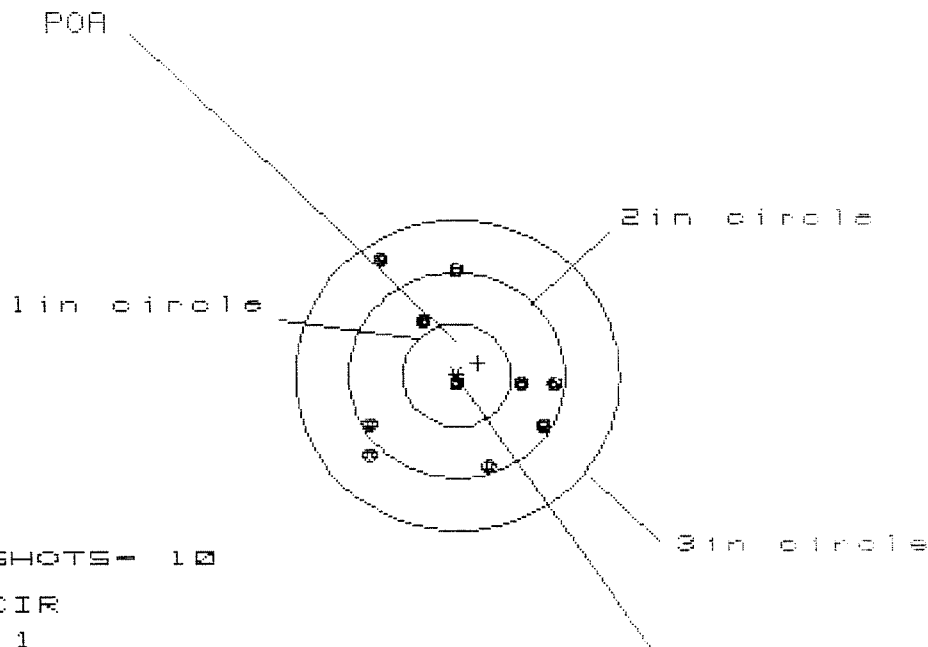
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.986	.934	.886
MINIMUM X	:	-.734	-.785	-.668
MAXIMUM Y	:	.955	.808	.860
MINIMUM Y	:	-.758	-.651	-.599
CENTROID X	:	.246	.298	.181
CENTROID Y	:	.181	.074	.022
POA TO CENTROID in.	:	.306	.307	.182
MIN RADIUS	:	.112	.071	.195
MEAN RADIUS	:	.775	.734	.692
MAX RADIUS	:	1.061	1.025	1.140
HORIZONTAL SPREAD	:	1.719	1.719	1.554
VERTICAL SPREAD	:	1.713	1.459	1.459
EXTREME SPREAD	:	1.985	1.985	1.985
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523494

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.709

VS= 1.983

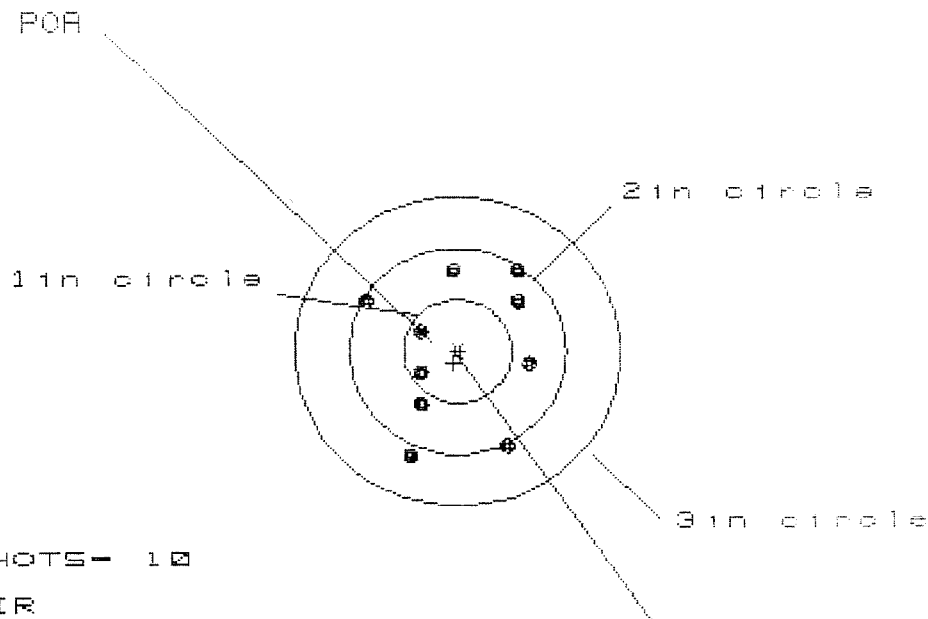
GS= 2.249

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.915
MINIMUM X	-.794
MAXIMUM Y	1.158
MINIMUM Y	-.825
CENTROID X	-.193
CENTROID Y	-.125
POA TO CENTROID in.	.230
MIN RADIUS	.859
MEAN RADIUS	.846
MAX RADIUS	1.362
HORIZONTAL SPREAD	1.709
VERTICAL SPREAD	1.983
EXTREME SPREAD	2.249
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523494

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.500

VS= 1.781

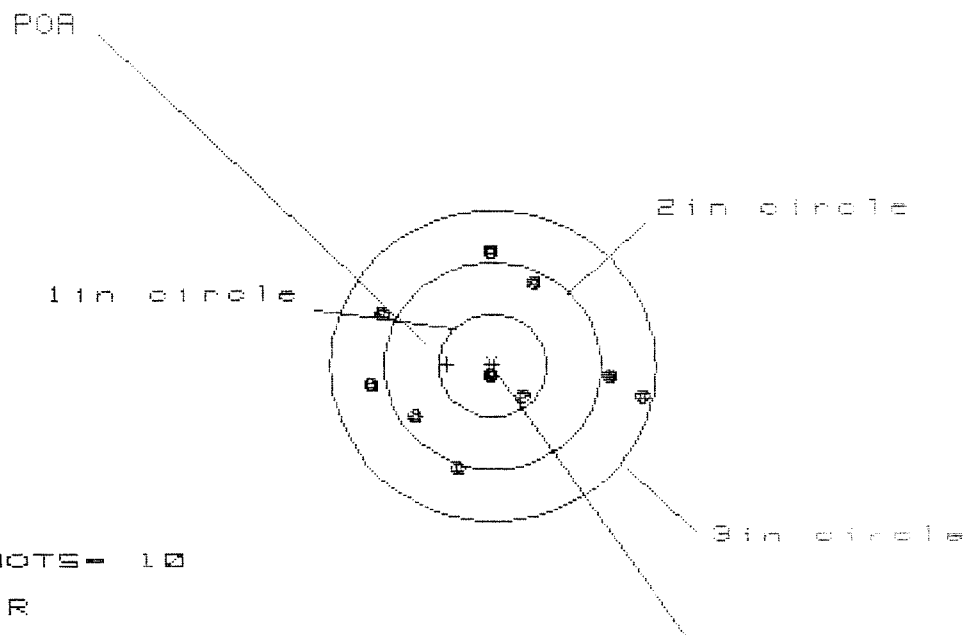
GS= 1.996

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.695	.649	.703
MINIMUM X	:	-.805	-.851	-.797
MAXIMUM Y	:	.794	.685	.555
MINIMUM Y	:	-.987	-1.036	-.761
CENTROID X	:	.041	.087	.033
CENTROID Y	:	.115	.224	.354
POA TO CENTROID in.	:	.122	.241	.355
MIN RADIUS	:	.395	.432	.378
MEAN RADIUS	:	.767	.728	.664
MAX RADIUS	:	1.071	1.124	.843
HORIZONTAL SPREAD	:	1.500	1.500	1.500
VERTICAL SPREAD	:	1.781	1.721	1.316
EXTREME SPREAD	:	1.996	1.933	1.617
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523494

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.482

VS= 2.042

GS= 2.516

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.395	1.223	1.118
MINIMUM X	:	-1.087	-.932	-1.037
MAXIMUM Y	:	1.099	1.065	1.121
MINIMUM Y	:	-.943	-.977	-.921
CENTROID X	:	.422	.267	.372
CENTROID Y	:	-.011	.023	-.033
PORA TO CENTROID in.	:	.422	.268	.373
MIN RADIUS	:	.055	.157	.039
MEAN RADIUS	:	.910	.855	.818
MAX RADIUS	:	1.429	1.227	1.123
HORIZONTAL SPREAD	:	2.482	2.155	2.155
VERTICAL SPREAD	:	2.042	2.042	2.042
EXTREME SPREAD	:	2.516	2.158	2.158
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	