

C6348884

MODEL 700™ M24

Model **SMS**™

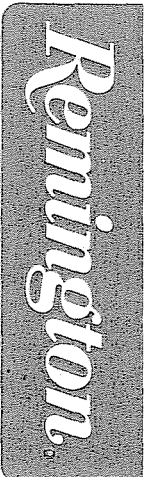
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith

Arms Services Repair & Estimate System

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

Repair Number: **RE00032494** Serial: C6348884 Model 700 Center Fire Caliber: 7.62 NATO M24 SWS WOG 12 of 25 Repairman: Status: New 9/14/01 3:09:33 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

naglelj 9/17/01 7:48 AM CAPS NUM INS SCPL

Start Arms Services Repair & Es... 7:48 AM

Serial Number: **C6348884**

Model: **700**



RE00032494

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6348884
4 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.017$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.2432$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.243793$

THE AMR FOR THIS RIFLE IS: 1.002

CENTROIDAL DISTANCES

0	TO	1	.405257
1	TO	2	.0817435
1	TO	3	.304253
1	TO	4	.282512
1	TO	5	.320713

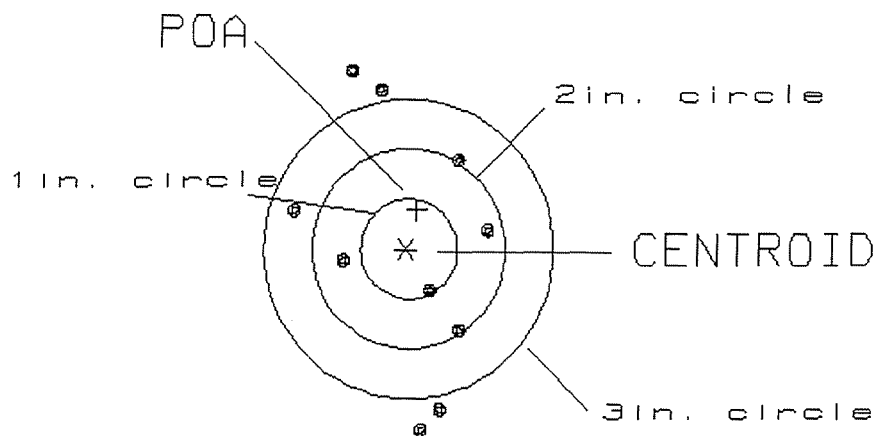
$4\frac{1}{2}$ 3 <----POA
12

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .405
 MIN RADIUS : .474
 MEAN RADIUS : 1.220
 MAX RADIUS : 1.848
 CENTROID X : -.117
 CENTROID Y : -.388

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348884

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.00

1

VS= 3.61

3

GS= 3.67

6

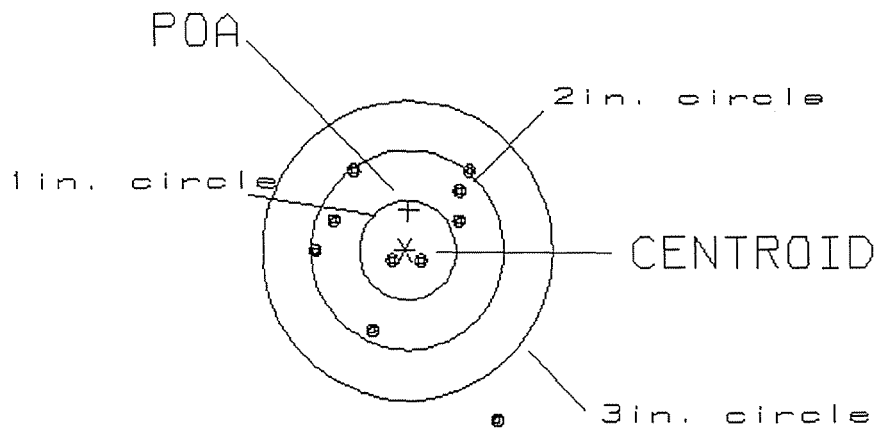
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .401
 MIN RADIUS : .175
 MEAN RADIUS : .846
 MAX RADIUS : 1.954
 CENTROID X : -.036
 CENTROID Y : -.399

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348884

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.93
 VS= 2.56
 GS= 2.95

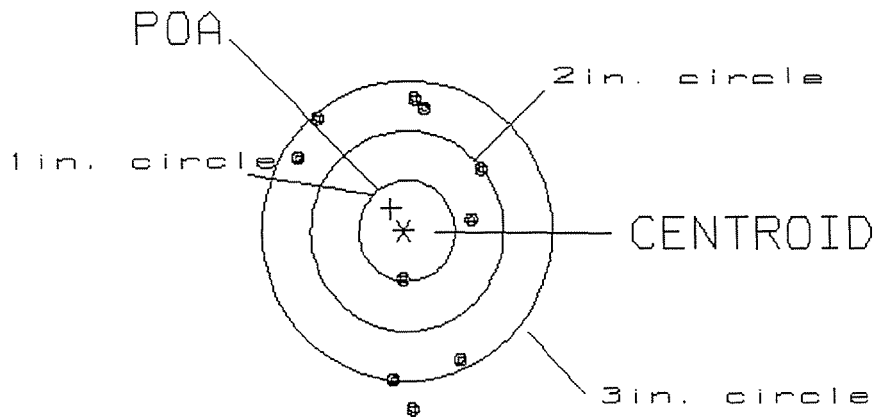
2
 6
 9

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .258
 MIN RADIUS : .532
 MEAN RADIUS : 1.211
 MAX RADIUS : 1.787
 CENTROID X : .136
 CENTROID Y : -.219

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348884

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 1.92

0

VS= 3.11

3

GS= 3.11

9

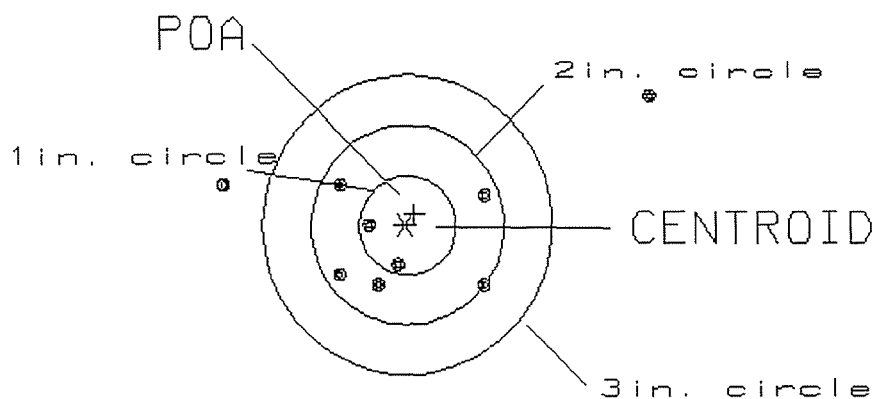
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .146
 MIN RADIUS : .395
 MEAN RADIUS : 1.014
 MAX RADIUS : 2.784
 CENTROID X : -.100
 CENTROID Y : -.106

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG348884

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.39

3

VS= 1.86

7

GS= 4.47

8

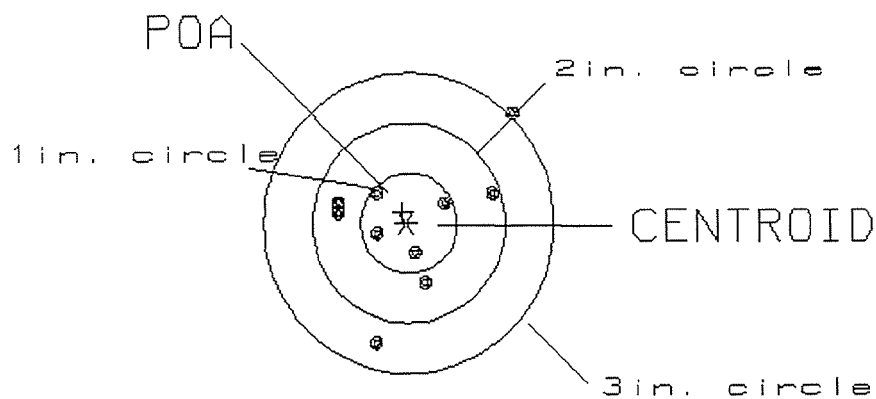
PATTERN #: 5

POA TO CENTROID: .109
 MIN RADIUS : .316
 MEAN RADIUS : .720
 MAX RADIUS : 1.504
 CENTROID X : .032
 CENTROID Y : -.104

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348884

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.74

4

VS= 2.32

6

GS= 2.67

9

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

R & E NUMBER 32494

SERIAL NUMBER C 634 8884

LOG-IN DATE 9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-13-01	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	RH
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	9-24-01	RH
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	RH
625 A	FINAL ASSEMBLY	10-2-01	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	10-5-01	RH
660	PACK	10-5-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sn: C6348884

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

AUDITOR: [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®



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

MODEL 700™ H24

SERIAL NO.
C6348884

ORDER NO.
5716

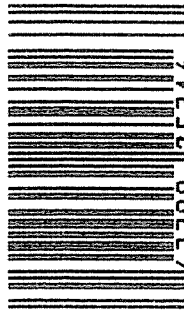
G1

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



5716 C6348884

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348884

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			RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt		7/13	KCR
615	Rollmark Caliber		7/13	DS.
617	Drill and Tap Sight Holes	7 13	89	FB
618	Polish Barrel RB	7 13	89	BT
620	Apply Coatings (Barrel Action)		7/21/89	TSA
	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		3/1/89	DS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	4			31 July 89	JS
	G) Safety Off Force	4	4	4			31 July 89	JS
	H) Trigger Pull Test & Retainability						31 July 89	JS
	I) Firing Pin Indent	.020	.021	.025			31 July 89	JS
	J) Assemble Stock						8/1/89	RW
	K) Assemble Swivel Studs						2 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/1/89	RW
	M) Iron Sight Alignment						8/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/1/89	RW
	O) Attach Scope to Rifle						8/1/89	RW
	P) Detach & Attach Scope 20 Times						8/1/89	RW
640	Gallery Target & Test	81 R	DOL				8-1-89	DA
	A) Time						8-1-89	DA
	B) Malfunctions						8-1-89	DA
	C) Pierced Primers						8-1-89	DA
	D) Optical Clarity of Scope						8-1-89	DA
645	Inspect for Live Ammo						8-1-89	DA
655	Final Inspection							
	A) Headspace						2 Aug 89	JS
	B) Trigger Pull	208	232	237	234	228	2 Aug 89	JS
	C) Function						2 Aug 89	JS
660	Pack						7/30/89	K

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 8884
C6225778DATE 5-24-89TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.36	2.55	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.39	2.58	2.50	
PULL #3	2.37	2.35	2.70	2.56	
PULL #4	2.27	2.36	2.54	2.54	
PULL #5	2.41	2.35	2.60	2.53	
TOTAL	11.87	11.81	12.97	12.66	
AVG.	2.37	2.36	2.59	2.532	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.00		
PULL #2	3.16	3.09		
PULL #3	3.03	3.07		
PULL #4	3.13	3.15		
PULL #5	3.10	3.11		
TOTAL	15.73	15.42		
AVG.	3.14	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	3.92		4.27
PULL #2	4.10	4.00		4.21
PULL #3	4.00	3.96		4.03
PULL #4	4.15	4.08		4.16
PULL #5	3.98	4.11		4.13
TOTAL	20.58	20.07		20.80
AVG.	4.11	4.01		4.16

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348884
3 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	1.0765
1 TO	2	.889612
1 TO	3	1.04326
1 TO	4	.822908
1 TO	5	1.14525

1
4
5 3+ <----POA

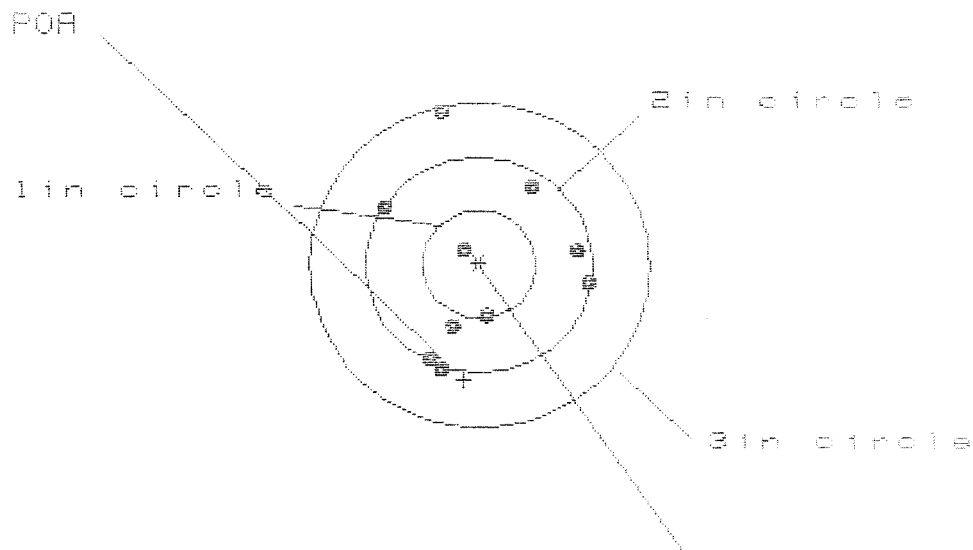
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3628
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4904
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .610013

THE AMR FOR THIS RIFLE IS: .8548

2 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340804

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.833

VS= 2.440

GS= 2.440

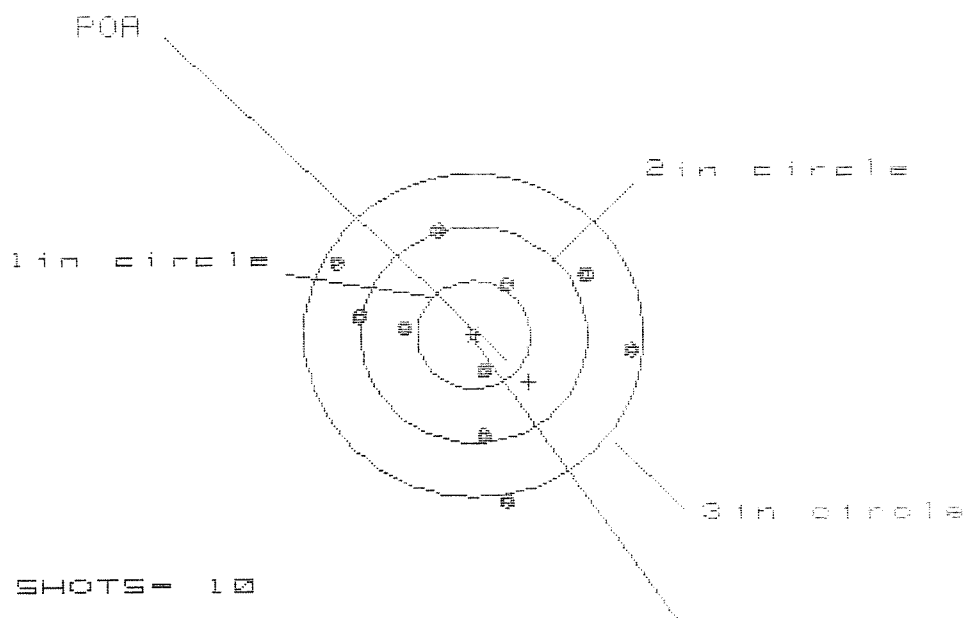
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.997	.962	.917
MINIMUM X	-.836	-.871	-.916
MAXIMUM Y	1.479	.866	.767
MINIMUM Y	-.961	-.797	-.782
CENTROID X	.135	.170	.215
CENTROID Y	1.063	.904	1.003
POA TO CENTROID in.	1.077	.920	1.026
MIN RADIUS	.154	.352	.294
MEAN RADIUS	.847	.754	.740
MAX RADIUS	1.512	1.135	1.111
HORIZONTAL SPREAD	1.833	1.833	1.833
VERTICAL SPREAD	2.440	1.663	1.549
EXTREME SPREAD	2.440	1.980	1.980
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

2 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346884

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.585

VS= 2.524

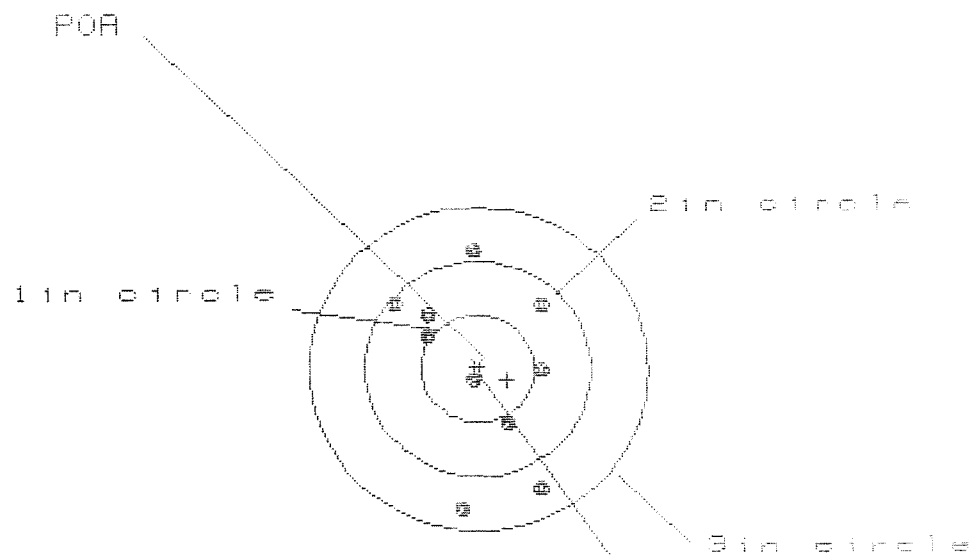
GS= 2.683

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.419	1.451	1.238
MINIMUM X	:	-1.166	-1.134	-.953
MAXIMUM Y	:	.969	.796	.763
MINIMUM Y	:	-1.555	-1.070	-1.103
CENTROID X	:	-.486	-.518	-.699
CENTROID Y	:	.431	.604	.637
POA TO CENTROID in.	:	.650	.796	.946
MIN RADIUS	:	.339	.429	.455
MEAN RADIUS	:	1.003	.928	.841
MAX RADIUS	:	1.581	1.475	1.297
HORIZONTAL SPREAD	:	2.585	2.585	2.191
VERTICAL SPREAD	:	2.524	1.866	1.866
EXTREME SPREAD	:	2.683	2.683	2.191
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

2 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348884

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.338

VS= 2.317

GS= 2.318

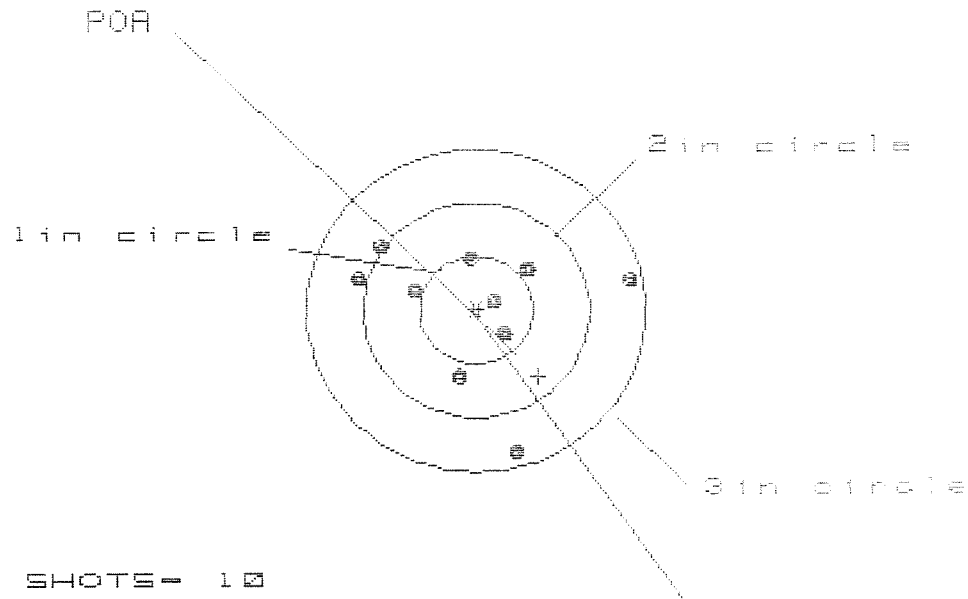
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.561	.547	.613
MINIMUM X	:	-.777	-.791	-.725
MAXIMUM Y	:	1.065	.926	.768
MINIMUM Y	:	-1.252	-1.264	-.804
CENTROID X	:	-.259	-.245	-.311
CENTROID Y	:	.102	.241	.399
POA TO CENTROID in.	:	.279	.344	.506
MIN RADIUS	:	.135	.275	.480
MEAN RADIUS	:	.773	.714	.620
MAX RADIUS	:	1.259	1.369	.850
HORIZONTAL SPREAD	:	1.338	1.338	1.338
VERTICAL SPREAD	:	2.317	2.190	1.572
EXTREME SPREAD	:	2.318	2.270	1.597
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B384

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.467

VS= 1.843

GS= 2.467

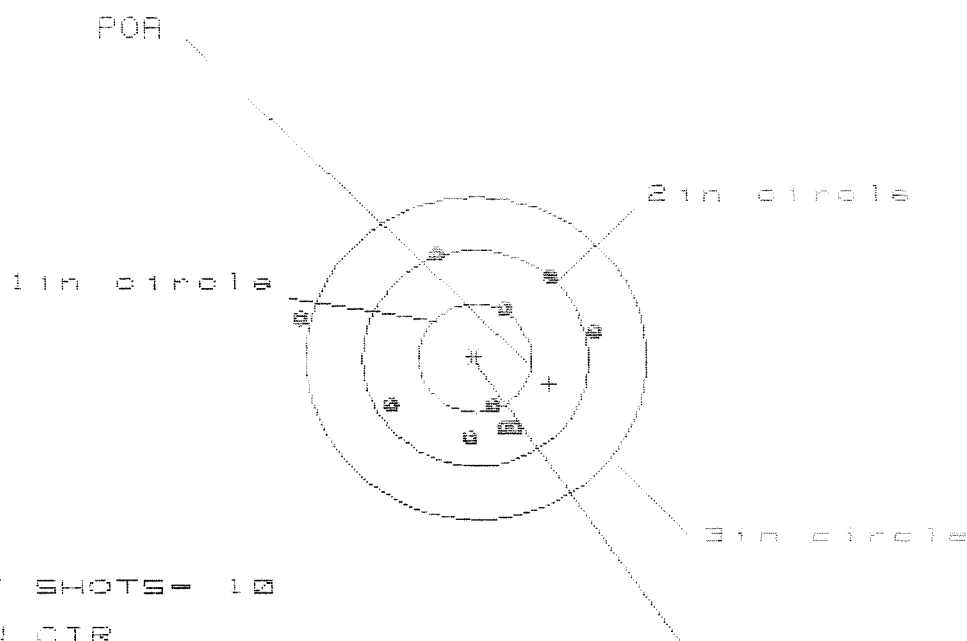
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.377	.652	.718
MINIMUM X	:	-1.091	-.938	-.872
MAXIMUM Y	:	.538	.568	.409
MINIMUM Y	:	-1.304	-1.275	-.793
CENTROID X	:	-.552	-.705	-.771
CENTROID Y	:	.615	.585	.744
POA TO CENTROID in.	:	.826	.916	1.072
MIN RADIUS	:	.177	.314	.298
MEAN RADIUS	:	.782	.715	.611
MAX RADIUS	:	1.402	1.379	.880
HORIZONTAL SPREAD	:	2.467	1.798	1.598
VERTICAL SPREAD	:	1.843	1.743	1.202
EXTREME SPREAD	:	2.467	2.214	1.595
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

2 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348864

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.588

VS= 1.713

GS= 2.592

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.020	.846	.627
MINIMUM X	:	-1.568	-.893	-.787
MAXIMUM Y	:	.953	.998	1.036
MINIMUM Y	:	-.760	-.715	-.676
CENTROID X	:	-.652	-.478	-.584
CENTROID Y	:	.236	.191	.152
POA TO CENTROID-in.	:	.694	.515	.603
MIN RADIUS	:	.492	.429	.395
MEAN RADIUS	:	.869	.757	.729
MAX RADIUS	:	1.619	1.128	1.119
HORIZONTAL SPREAD	:	2.588	1.739	1.414
VERTICAL SPREAD	:	1.713	1.713	1.713
EXTREME SPREAD	:	2.592	1.861	1.865
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	