

C6225423

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00010567** Serial: C6225423 Model 700 Center Fire Caliber: 7.62 NATO M/24 SWS 1 OF 2 Repairman: Status: Closed 6/22/00 9:52:52 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: TRANSPORTATION OFFICER TRANSPORTATION OFFICER

Address 1: ATTN:AFZB - DL - TO, BLDG 873 ATTN:AFZB - DL - TO, BLDG 873

Address 2: PO Box: PO Box:

City: FORT CAMPBELL FORT CAMPBELL

State: KY Zip Code: 42223 Country: US State: KY Zip Code: 42223 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 502 798 7154

Fax:

Email:

Comments:

Received Condition

Fair

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

nagletj 6/23/00 7:43 AM CAPS NUM INS SCPL

Start Inb... Na... SA... Ex... Mi... Ar... Par... Ser... Pri... 7:43 AM

Number: **C6225423**

Model: **700**



RE00010567

96003 - BBL

Hamington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225423
7 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0768
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2808
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .291113

THE AMR FOR THIS RIFLE IS: 1.164

CENTROIDAL DISTANCES

0	TO	1	.357693
1	TO	2	.211589
1	TO	3	.310026
1	TO	4	.395455
1	TO	5	.613209

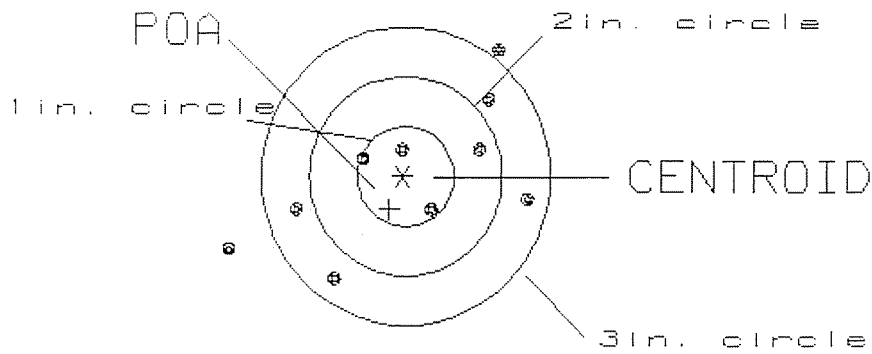
4₃ 2 1
+ <----5 POA

PATTERN #: 1
 POA TO CENTROID: .358
 MIN RADIUS : .243
 MEAN RADIUS : 1.035
 MAX RADIUS : 1.967
 CENTROID X : .138
 CENTROID Y : .330

7 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225423

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

H3= 3.05

2

US= 2.21

4

GS= 3.43

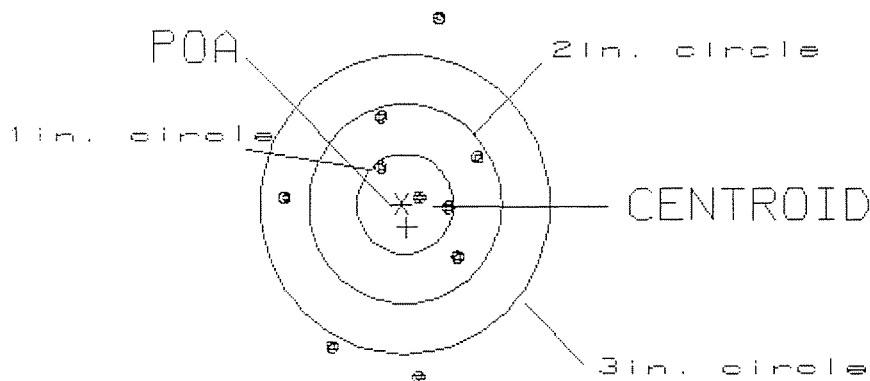
8

PATTERN #: 2
 POA TO CENTROID: .236
 MIN RADIUS : .165
 MEAN RADIUS : 1.023
 MAX RADIUS : 1.918
 CENTROID X : -.049
 CENTROID Y : .231

7 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225423

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.08

3

VS= 3.66

6

GS= 3.66

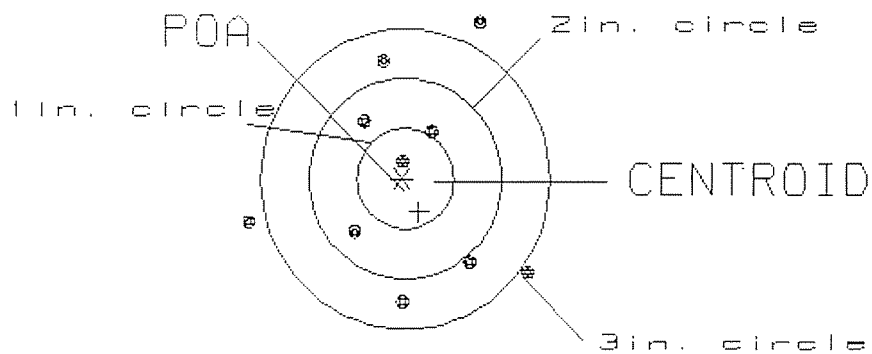
7

PATTERN #: 3
 POA TO CENTROID: .369
 MIN RADIUS : .164
 MEAN RADIUS : 1.052
 MAX RADIUS : 1.713
 CENTROID X : -.172
 CENTROID Y : .326

7 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225423

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.88

1

VS= 2.78

4

GS= 3.09

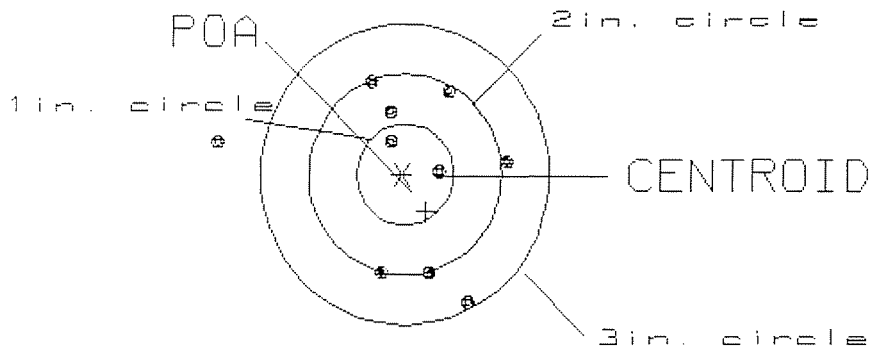
7

PATTERN #: 4
 POA TO CENTROID: .453
 MIN RADIUS : .334
 MEAN RADIUS : .976
 MAX RADIUS : 1.946
 CENTROID X : -.255
 CENTROID Y : .374

7 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225423

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.02
 VS= 2.24
 GS= 3.04

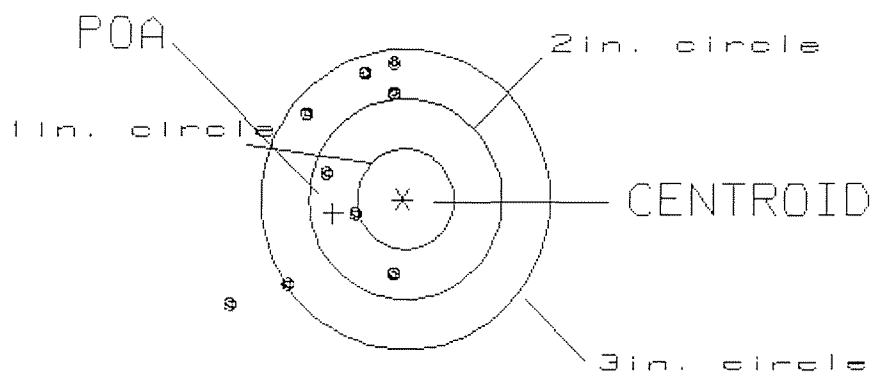
2
 6
 9

PATTERN #: 5
 POA TO CENTROID: .736
 MIN RADIUS : .509
 MEAN RADIUS : 1.734
 MAX RADIUS : 6.529
 CENTROID X : .722
 CENTROID Y : .143

7 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225423

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 8.00

0

VS= 3.41

3

GS= 8.06

8

FINAL Inspection

SN: C6225423

DATE REC'D: 6-19-00

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]

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6225423

ORDER NO.
5716

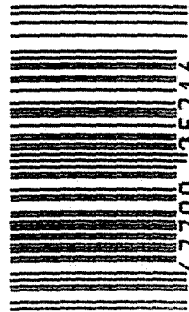
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225423

UPC



0 47700 25716 7

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		1/12/89	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		12 Jan 89	JS
	F) Safety on Force	5 5 5	12 Jan 89	JS
	G) Safety off Force	3 3 3	12 Jan 89	JS
	H) Trigger Pull Test & Retainability		12 Jan 89	JS
	I) Firing Pin Indent	.021 .022 .022	12 Jan 89	JS
	J) Assemble Stock		1/12/89	RW
	K) Attach Front & Rear Sight Assemblies		1/12/89	RW
	L) Iron Sight Alignment		1/12/89	RW
	M) Detach Front & Rear Sights & place in numbered container		1/12/89	RW
	N) Attach Scope to Rifle		13 Jan 89	JS
	O) Detach & Attach Scope 20 times		13 Jan 89	JS
640	Gallery Target & Test	53 R 100L	1/25/89	AC
	A) Optical Clarity of Scope	OK	1/25/89	AC
645	Inspect for Live Ammo	NONE	1/25/89	AC
655	Final Inspection			
	A) Headspace		31 Jan 89	JS
	B) Trigger Pull	2.41 2.42 2.40	2.35 2.45	JS
	C) Function		31 Jan 89	JS
	D) Assemble Swivel Studs		31 Jan 89	JS
660	Pack		23 Mar 89	JS

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225423

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9/88	8 9/88	FB
600	Proof	9 7/88	9 7/88	RW
607	Check Headspace	9 7/88	9 7/88	RW
610	Dis-assemble gun	9 7/88	9 7/88	RW
612	Magnaflux Barrel Action		9-14-88	pfe.
	Magnaflux Bolt		9-14-88	pfe.
615	Rollmark Caliber		10-22	G.S.
617	Drill & Tap Sight Holes		10-23	FB
618	Polish Barrel		10-24	WST
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		1/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/12/89	RW
	C) Inspect Ejector Hole for Chamfer		1/12/89	RW

OVER

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 5453

DATE 6/29/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.41	2.52	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.45	2.35	
PULL #3	2.45	2.43	2.34	
PULL #4	2.45	2.52	2.30	
PULL #5	2.47	2.48	2.35	
TOTAL	12.30	12.40	11.72	
AVG.	2.46	2.48	2.344	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.19	3.13	
PULL #2	3.16	3.15	
PULL #3	3.11	3.20	
PULL #4	3.14	3.30	
PULL #5	3.15	3.20	
TOTAL	15.75	15.98	
AVG.	3.15	3.196	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.46		4.30
PULL #2	4.42	4.43		4.23
PULL #3	4.43	4.46		4.24
PULL #4	4.47	4.40		4.26
PULL #5	4.38	4.35		4.30
TOTAL	22.16	22.10		21.33
AVG.	4.432	4.42		4.266

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225423
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.883007
1 TO	2	.289928
1 TO	3	.28348
1 TO	4	.658539
1 TO	5	.699463

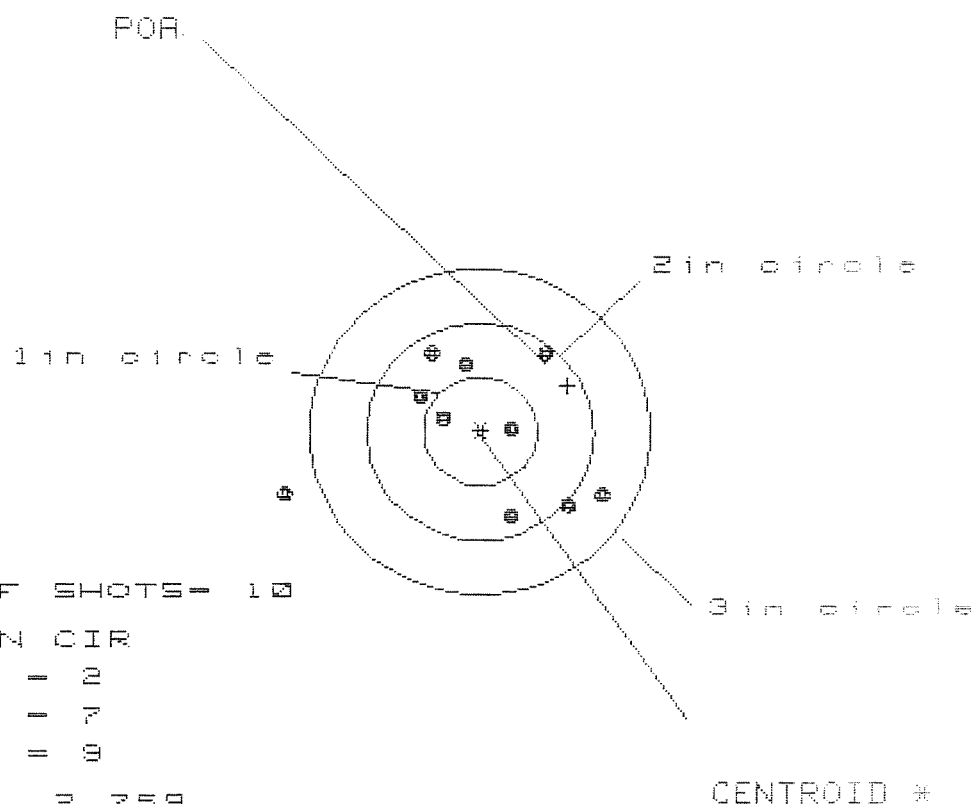
$\frac{0}{2} + \frac{1}{3} \quad (----POA)$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.5846
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1664
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .607821
THE AMR FOR THIS RIFLE IS: .8286

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225423

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.759

VS = 1.511

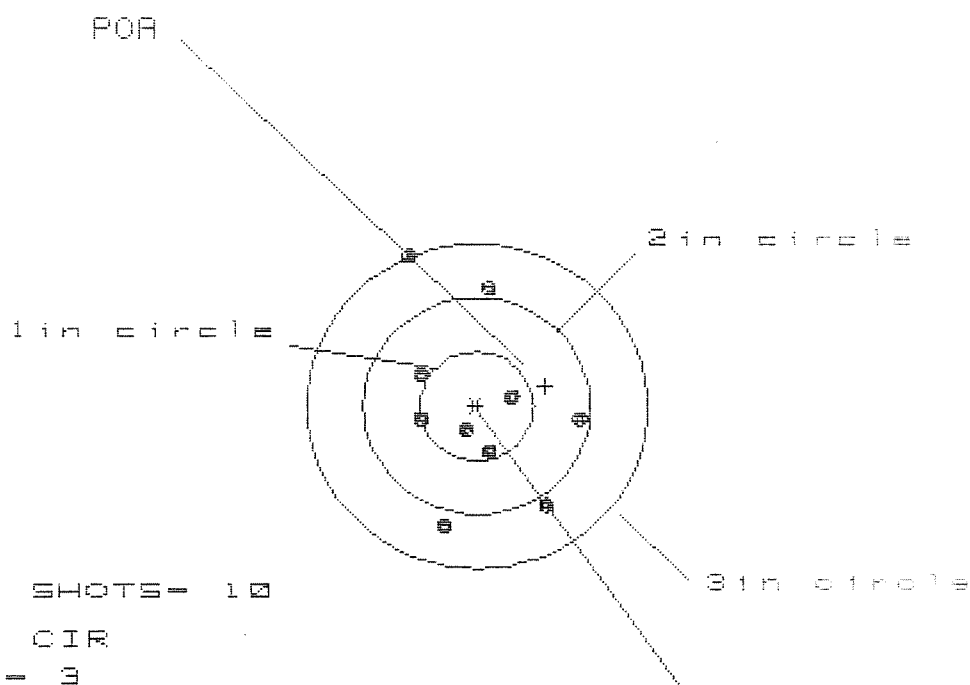
GS = 2.759

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.053	.863	.724
MINIMUM X	-1.706	-.681	-.573
MAXIMUM Y	.754	.689	.611
MINIMUM Y	-.757	-.822	-.900
CENTROID X	-.774	-.584	-.692
CENTROID Y	-.425	-.360	-.282
POA TO CENTROID in.	.883	.686	.748
MIN RADIUS	.263	.076	.207
MEAN RADIUS	.842	.713	.653
MAX RADIUS	1.804	1.064	1.089
HORIZONTAL SPREAD	2.759	1.544	1.297
VERTICAL SPREAD	1.511	1.511	1.511
EXTREME SPREAD	2.759	1.968	1.876
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225423

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.436

VS= 2.539

GS= 2.549

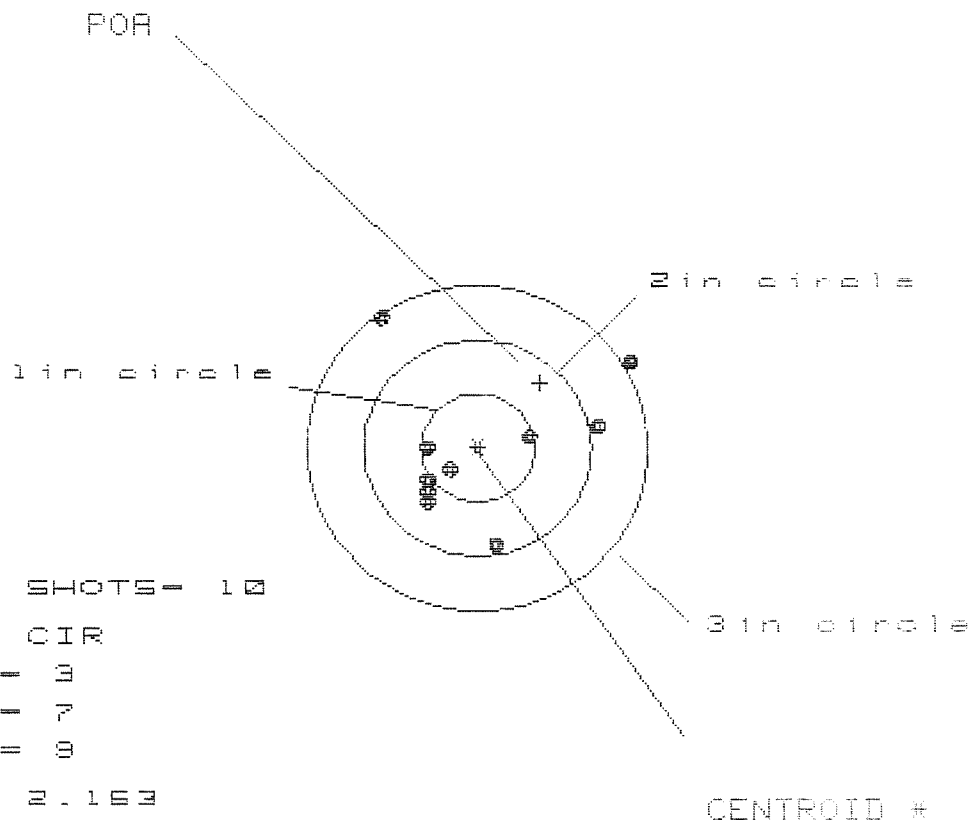
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.829	.782
MINIMUM X	:	-.547	-.599	-.646
MAXIMUM Y	:	1.393	1.288	1.164
MINIMUM Y	:	-1.147	-.992	-.847
CENTROID X	:	-.607	-.547	-.500
CENTROID Y	:	-.188	-.342	-.218
POA TO CENTROID in.	:	.636	.645	.545
MIN RADIUS	:	.211	.142	.247
MEAN RADIUS	:	.792	.686	.648
MAX RADIUS	:	1.496	1.288	1.165
HORIZONTAL SPREAD	:	1.436	1.428	1.428
VERTICAL SPREAD	:	2.539	2.280	2.011
EXTREME SPREAD	:	2.549	2.311	2.083
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/GS225423

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.163

VS= 2.061

GS= 2.282

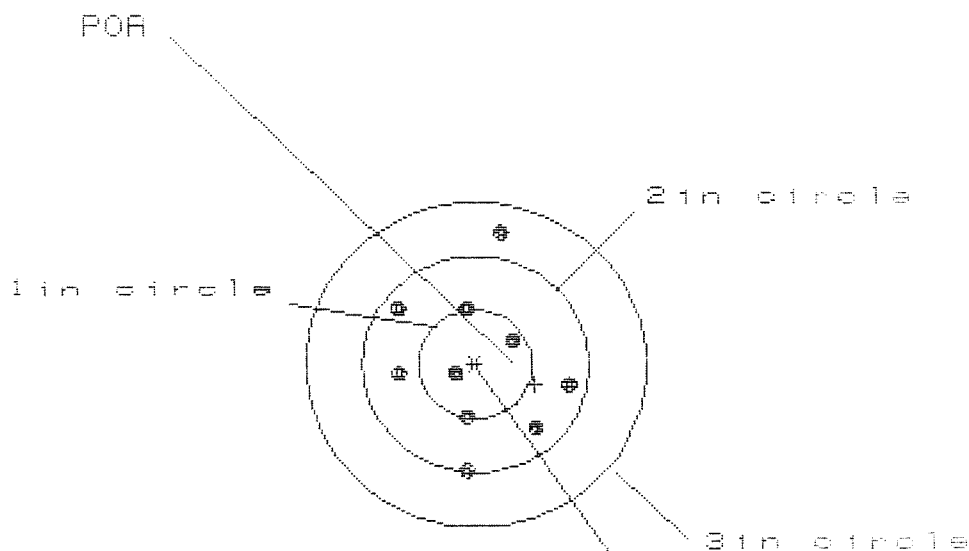
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.314	1.178	1.090
MINIMUM X	:	-.849	-.703	-.426
MAXIMUM Y	:	1.198	1.288	.429
MINIMUM Y	:	-.863	-.773	-.612
CENTROID X	:	-.555	-.701	-.613
CENTROID Y	:	-.605	-.695	-.856
POA TO CENTROID in.	:	.821	.987	1.053
MIN RADIUS	:	.341	.171	.220
MEAN RADIUS	:	.805	.664	.556
MAX RADIUS	:	1.542	1.467	1.172
HORIZONTAL SPREAD	:	2.163	1.881	1.516
VERTICAL SPREAD	:	2.061	2.061	1.041
EXTREME SPREAD	:	2.282	2.282	1.670
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225423

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.477

VS= 2.180

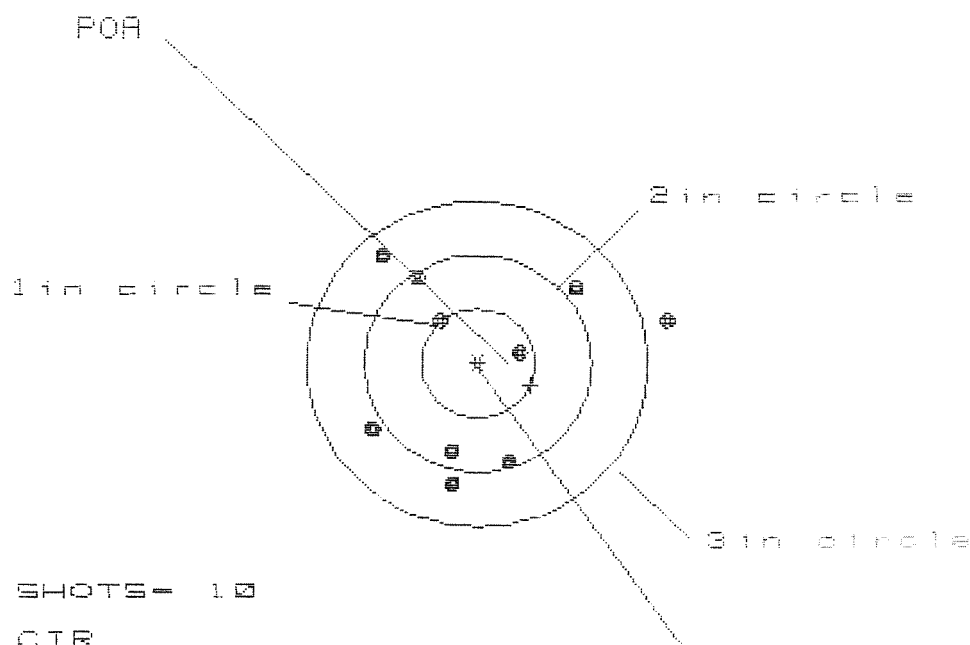
GS= 2.211

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.779	.807	.795
MINIMUM X	:	-.698	-.670	-.682
MAXIMUM Y	:	1.218	.667	.563
MINIMUM Y	:	-.962	-.826	-.579
CENTROID X	:	-.521	-.549	-.537
CENTROID Y	:	.183	.047	.151
POA TO CENTROID in.	:	.552	.551	.558
MIN RADIUS	:	.232	.170	.203
MEAN RADIUS	:	.695	.621	.590
MAX RADIUS	:	1.243	.904	.839
HORIZONTAL SPREAD	:	1.477	1.477	1.477
VERTICAL SPREAD	:	2.180	1.493	1.142
EXTREME SPREAD	:	2.211	1.596	1.596
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			10	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225423

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.665

VS= 2.080

GS= 2.856

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.703	1.066	.983
MINIMUM X	:	-.962	-.773	-.856
MAXIMUM Y	:	.950	.995	.995
MINIMUM Y	:	-1.130	-1.085	-.960
CENTROID X	:	-.466	-.655	-.572
CENTROID Y	:	.203	.158	.083
POA TO CENTROID in.	:	.508	.674	.573
MIN RADIUS	:	.382	.466	.557
MEAN RADIUS	:	1.009	.915	.868
MAX RADIUS	:	1.751	1.301	1.313
HORIZONTAL SPREAD	:	2.665	1.839	1.839
VERTICAL SPREAD	:	2.080	2.080	1.955
EXTREME SPREAD	:	2.856	2.264	2.264
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	