

C6225460

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



BARBER - M24 0061337

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R99-13942

INITIAL
SWS

CUSTOMER ORDER NO

WOG 1 OF 2

DATE RECEIVED
07/12/99DATE OPENED
07/12/99DATE CODE
DI 9-88SERIAL NUMBER
C6225460

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

M24

ACCESSORIES

W/STUDS

W/SWIVELS

SCOPE BASE

FROM:

DENNA, PAUL
HHC 1/503 INF REGT
APO SAN FRANCISCO

CA 96224

SHIP TO:

DENNA, PAUL
HHC 1/503 INF REGT
APO SAN FRANCISCO CA
96224

CUST NO: 211824 C.O.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

FROM DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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CYCLE

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel
stock96003
96018

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 7/87

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0061337

DEPARTMENT OF THE ARMY
HHC, 1-503D IN RGT (AASLT)
UNIT #15059
APO AP 96224-0320
OFFICIAL BUSINESS

REMINGTON ARMS COMPANY
14 HOFER AVENUE
MILTON, NEW YORK 13357

DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted

Remington Arms Company, Inc. Repair Instructions

Print and complete this form and mail it, along with your firearm to:

Remington Arms Company, Inc.

14 Hoefler Ave.
Ilion, New York 13357

Name: PAUL DENNA
Address: HHC 1503 INF REGT
City: WIK # 15059, APO. AP
State: Zip: 96224-0320
Telephone: (Day) (011) 351-869-1200

Model: M-24 (MODEL 700 SWS)
Serial #: 66225460
Date of Purchase: UNKNOWN
(if available, please attach a copy
of the proof of purchase.)

TURN IN DOCUMENT # WT4WSY 9072-0200
ADA # WT4WSY 9072-0201

(Night) () Internet Request

THRASHU2@HOTMAIL.COM

THRASHUSUMOR@YAHOO.COM

Please describe the problem you are having with your firearm:

ROUND COUNT OVER 20,000, NEEDS OVERALL MAINTENANCE.

BARREL TOUCHING STOCK.

Optional Information

Ammo Type: Brand:

or Handload Specification Bullet Weight: Shot Size:

Reminders:

Record your serial number - it will help reference your repair.

Properly package your unloaded firearm. Do not ship in a hard case.

If you would like to order a box, please call our Parts Department:

800-243-9700, 9am-5pm, EST.

Do not send live/loaded ammunition with your firearm.

Remove all accessories.

Back to Obtaining Repair Service

©1998- Remington Arms Company, Inc.

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6225460

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN	7-15-99	RW
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	7-19-99	RW
605	CHECK HEADSPACE	7-19-99	RW
610	DIS-ASSEMBLE		
612	MAGNAFLUX	7-19-99	
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	9-8-99	RW
655	FINAL INSPECT	9-13-99	RW
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6225460

DATE REC'D: 7/12/99

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:

BARBER - M24 0061342

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225460
9 Sep 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0366
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2738
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .276235

THE AMR FOR THIS RIFLE IS: 1.406

CENTROIDAL DISTANCES

Ø TO	1	.569952
1 TO	2	.635744
1 TO	3	.551044
1 TO	4	.501231
1 TO	5	1.02553

1 + <----POA
 3
 2 5
 4

BARBER - M24 0061343

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .570

MIN RADIUS : .446

MEAN RADIUS : 1.414

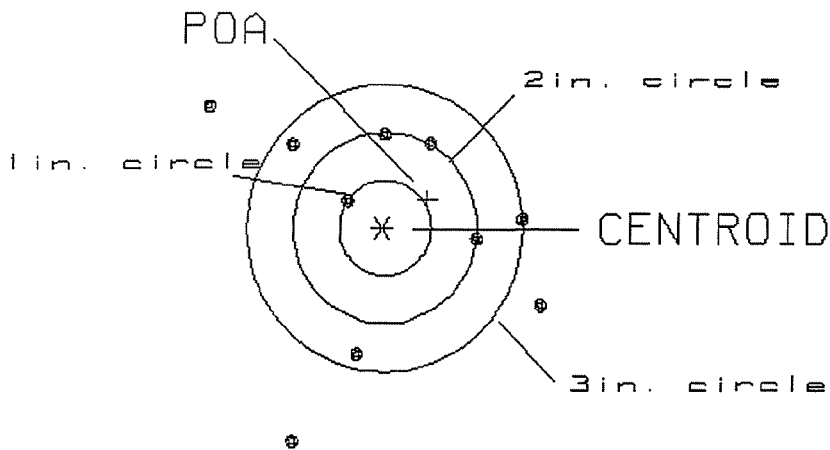
MAX RADIUS : 2.411

CENTROID X : -.493

CENTROID Y : -.286

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 3.57

1

VS= 3.50

3

GS= 4.15

7

BARBER - M24 0061344

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .267

MIN RADIUS : .438

MEAN RADIUS : 1.478

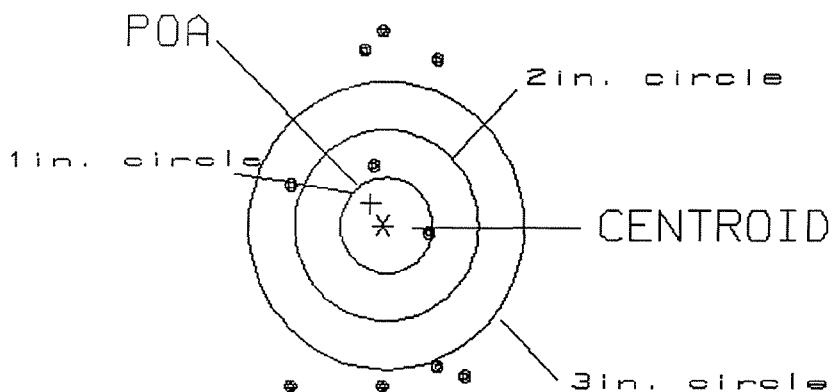
MAX RADIUS : 1.990

CENTROID X : .140

CENTROID Y : -.227

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 1.85

1

VS= 3.69

2

GS= 3.83

3

BARBER - M24 0061345

REMINGTON CENTERFIRE ACCURACY TEST

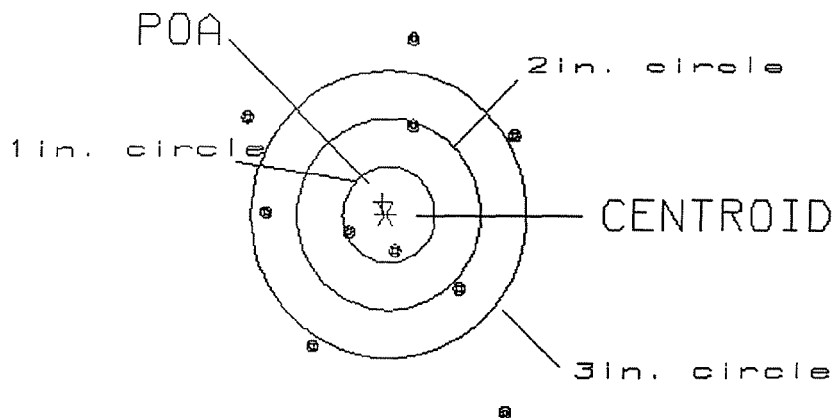
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .130
MIN RADIUS : .352
MEAN RADIUS : 1.346
MAX RADIUS : 2.439
CENTROID X : .034
CENTROID Y : -.125

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 2.87

2

VS= 3.93

3

GS= 4.16

5

BARBER - M24 0061346

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .479

MIN RADIUS : .182

MEAN RADIUS : 1.266

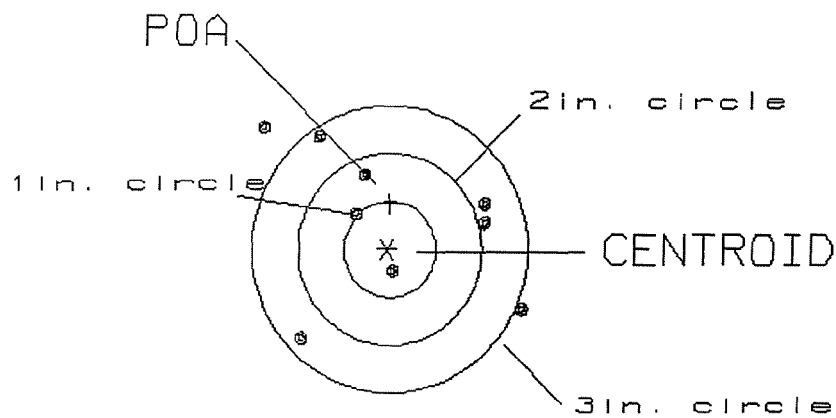
MAX RADIUS : 2.600

CENTROID X : -.030

CENTROID Y : -.478

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.85

1

VS= 3.63

3

GS= 4.21

7

BARBER - M24 0061347

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .589

MIN RADIUS : .592

MEAN RADIUS : 1.528

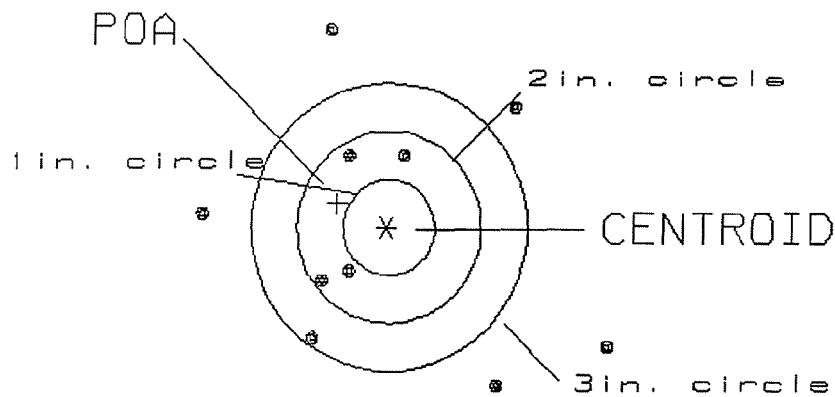
MAX RADIUS : 2.662

CENTROID X : .532

CENTROID Y : -.253

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 4.37

0

VS= 3.72

4

GS= 4.57

5

BARBER - M24 0061348

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225460
13 Sep 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0002
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0202
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .020201

THE AMR FOR THIS RIFLE IS: .9366

CENTROIDAL DISTANCES

0	TO	1	.189042
1	TO	2	.548643
1	TO	3	.111221
1	TO	4	.135118
1	TO	5	.225568

2 $\frac{+4}{5}$ <----POA

BARBER - M24 0061349

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

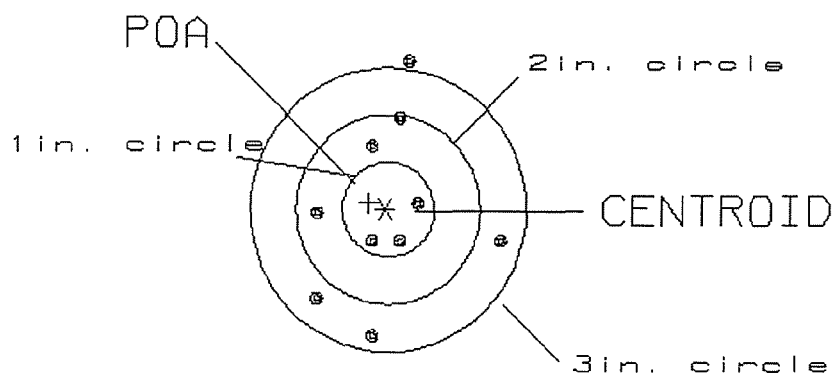
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .189
 MIN RADIUS : .306
 MEAN RADIUS : .894
 MAX RADIUS : 1.580
 CENTROID X : .176
 CENTROID Y : -.069

13 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.03
 VS= 2.89
 GS= 2.92

3
 6
 9

BARBER - M24 0061350

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .365

MIN RADIUS : .028

MEAN RADIUS : .947

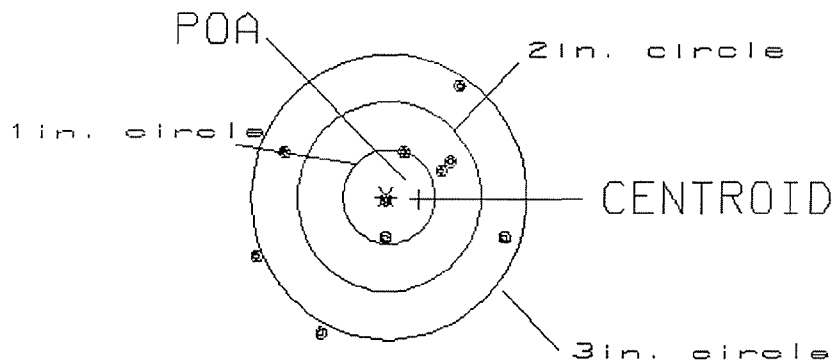
MAX RADIUS : 1.590

CENTROID X : -.364

CENTROID Y : .028

13 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460.1

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.68

2

VS= 2.58

5

GS= 2.99

8

BARBER - M24 0061351

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .117

MIN RADIUS : .090

MEAN RADIUS : 1.104

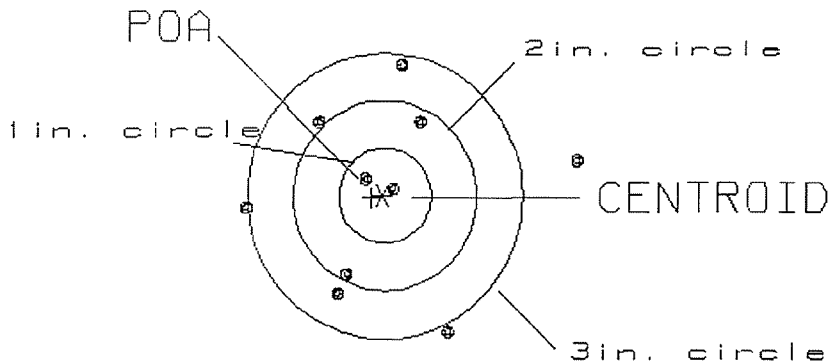
MAX RADIUS : 2.123

CENTROID X : .115

CENTROID Y : .024

13 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460.1

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 3.65

2

VS= 2.80

4

GS= 3.68

7

BARBER - M24 0061352

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .122

MIN RADIUS : .326

MEAN RADIUS : .914

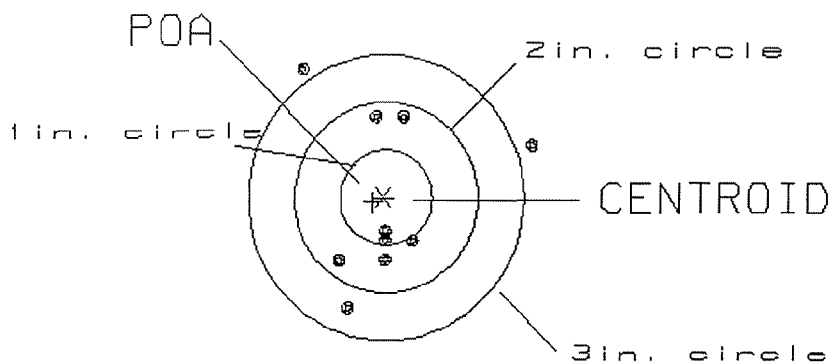
MAX RADIUS : 1.700

CENTROID X : .112

CENTROID Y : .050

13 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460.1

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.55

2

VS= 2.52

7

GS= 2.67

8

BARBER - M24 0061353

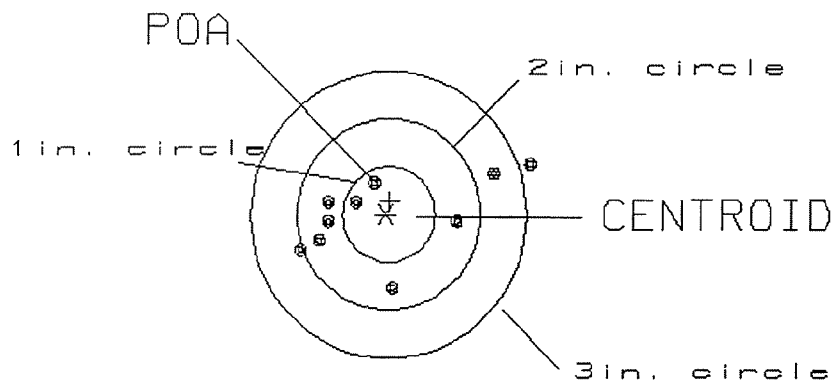
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
POA TO CENTROID: .140
MIN RADIUS : .393
MEAN RADIUS : .824
MAX RADIUS : 1.606
CENTROID X : -.040
CENTROID Y : -.134

13 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225460.1

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.44

2

VS= 1.32

6

GS= 2.60

9

INTERCHANGEABILITY

GUN SERIAL #

C6225460

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	Dfe
	Magnaflux Bolt		9 22 88	Dfe
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
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		11/14/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/14/88	RW
	C) Inspect Ejector Hole for Chamfer		11/14/88	RW

OVER

OP. #		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/14/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		14 NOV 88	JS
	F) Safety on Force	5 : 5 : 5	17 NOV 88	JS
	G) Safety off Force	3 : 3 : 3	17 NOV 88	JS
	H) Trigger Pull Test & Retainability		14 NOV 88	JS
	I) Firing Pin Indent	0021 : 0205 : 0205	17 NOV 88	JS
	J) Assemble Stock		11/17/88	RW
	K) Attach Front & Rear Sight Assemblies		11/17/88	RW
	L) Iron Sight Alignment		11/17/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/17/88	RW
	N) Attach Scope to Rifle		11/18/88	WB
	O) Detach & Attach Scope 20 times		11/18/88	WB
640	Gallery Target & Test	48R 104L	11-28-88	AC
	A) Optical Clarity of Scope	OK	11-28-88	AC
645	Inspect for Live Ammo	NONE	11-28-88	AC
655	Final Inspection			
	A) Headspace		1 Dec 88	JS
	B) Trigger Pull	2.60 : 2.69 : 2.71	268 : 267	JS
	C) Function		1 Dec 88	JS
	D) Assemble Swivel Studs		1 Dec 88	JS
660	Pack		12/5/88	RW

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

SERIAL NO. C6225460DATE 14 NOV 88TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.33	2.41	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.47	2.45	2.69	
PULL #3	2.21	2.52	2.62	2.71	
PULL #4	2.14	2.52	2.58	2.68	
PULL #5	2.36	2.40	2.59	2.67	
TOTAL	11.39	12.24	12.65	13.35	
AVG.	2.278	2.448	2.53	2.67	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.29		
PULL #2	3.18	3.17		
PULL #3	3.15	3.17		
PULL #4	3.19	3.27		
PULL #5	3.22	3.21		
TOTAL	15.88	16.11		
AVG.	3.176	3.222		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.13		4.07
PULL #2	4.14	4.14		4.25
PULL #3	4.08	4.16		4.21
PULL #4	4.20	4.16		4.24
PULL #5	4.07	4.14		4.76
TOTAL	20.75	20.73		20.93
AVG.	4.15	4.146		4.186

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225460

CENTROIDAL DISTANCES

0 TO	1	.658059
1 TO	2	.367527
1 TO	3	.112606
1 TO	4	.976105
1 TO	5	.594253

$\frac{\sum x^2}{n}$
 + $\frac{\sum y^2}{n}$ <----POB

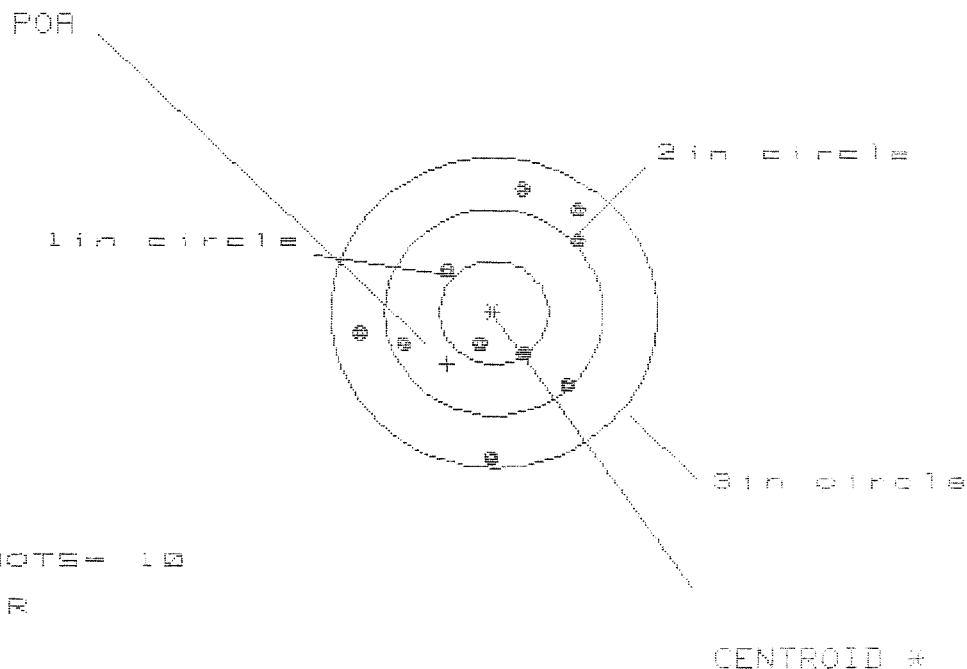
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .291
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4286
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .518053

THE AMR FOR THIS RIFLE IS: .8654

29 Nov 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08225400

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.000

VS= 2.655

GS= 2.673

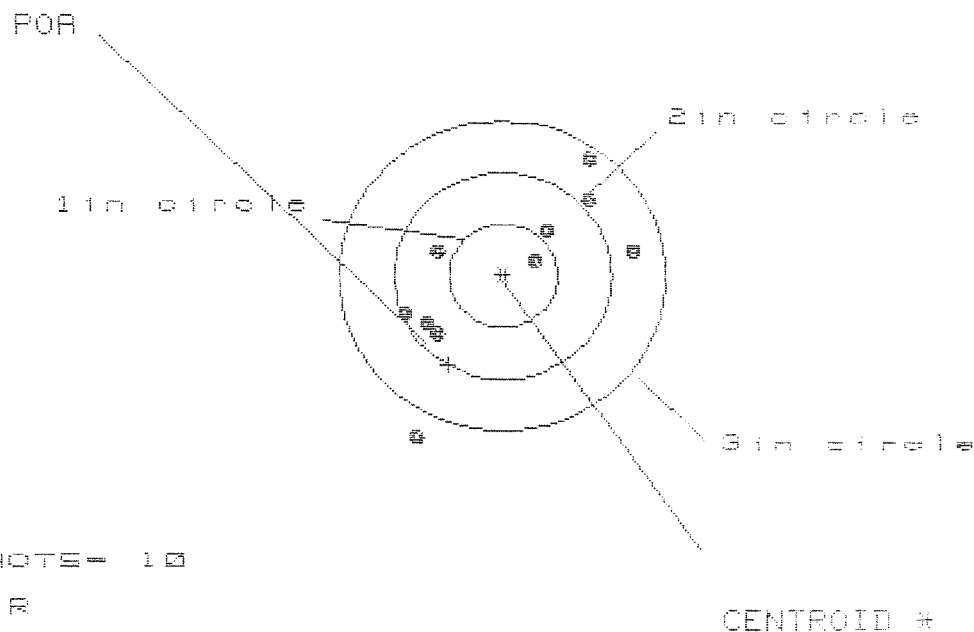
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.780	.776	.855
MINIMUM X	-1.228	-1.232	-1.135
MAXIMUM Y	1.240	1.083	1.192
MINIMUM Y	-1.414	-1.861	-1.752
CENTROID X	.429	.433	.336
CENTROID Y	.499	.657	.548
POA TO CENTROID in.	.659	.786	.543
MIN RADIUS	.347	.484	.362
MEAN RADIUS	.958	.912	.857
MAX RADIUS	1.415	1.287	1.248
HORIZONTAL SPREAD	2.008	2.008	1.990
VERTICAL SPREAD	2.655	1.944	1.944
EXTREME SPREAD	2.673	2.362	2.203
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

29 Nov 1986

FILE:/PATTERNING/CENTERFIRE_PATT/08225450

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.065

VS = 2.746

GS = 3.177

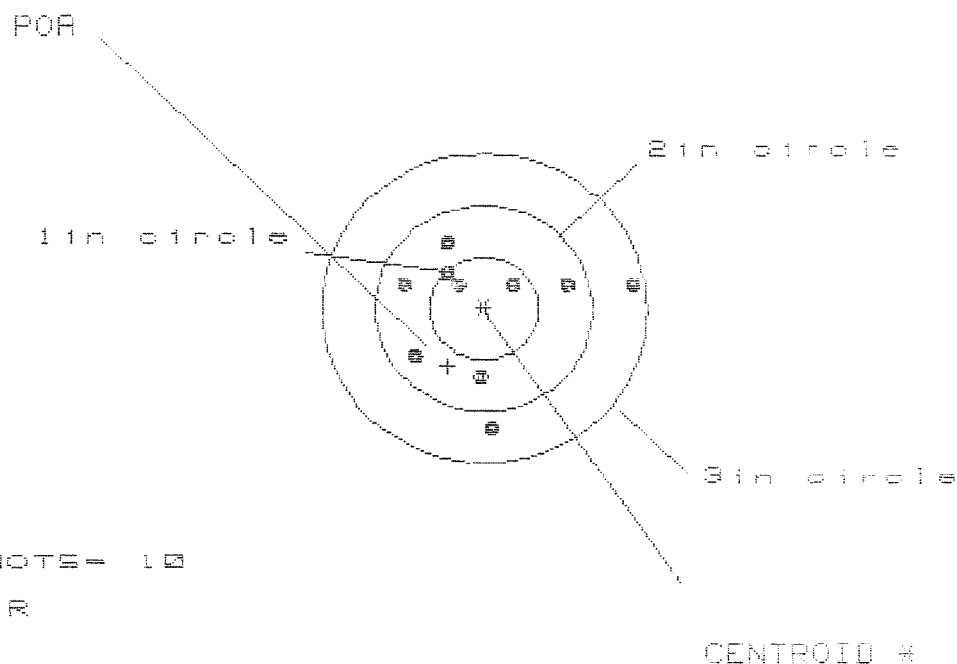
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.189	1.105	1.200
MINIMUM X	-.876	-.960	-.865
MAXIMUM Y	1.158	.981	.677
MINIMUM Y	-1.588	-.725	-.682
CENTROID X	.503	.587	.492
CENTROID Y	.859	1.036	.913
POA TO CENTROID in.	.995	1.190	1.027
MIN RADIUS	.306	.184	.293
MEAN RADIUS	.962	.847	.799
MAX RADIUS	1.760	1.238	1.213
HORIZONTAL SPREAD	2.065	2.065	2.065
VERTICAL SPREAD	2.746	1.706	1.279
EXTREME SPREAD	3.177	2.296	2.152
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225488

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 2.099

VS = 1.806

GS = 2.099

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.324	.865	.892
MINIMUM X	:	-.769	-.622	-.595
MAXIMUM Y	:	.685	.707	.570
MINIMUM Y	:	-1.121	-1.099	-.780
CENTROID X	:	.335	.188	.161
CENTROID Y	:	.561	.539	.676
POR TO CENTROID in.	:	.653	.571	.695
MIN RADIUS	:	.379	.315	.180
MEAN RADIUS	:	.751	.667	.574
MAX RADIUS	:	1.339	1.119	.897
HORIZONTAL SPREAD	:	2.093	1.497	1.487
VERTICAL SPREAD	:	1.806	1.806	1.350
EXTREME SPREAD	:	2.095	1.845	1.535
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225480

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.022

VS = 2.338

GS = 2.488

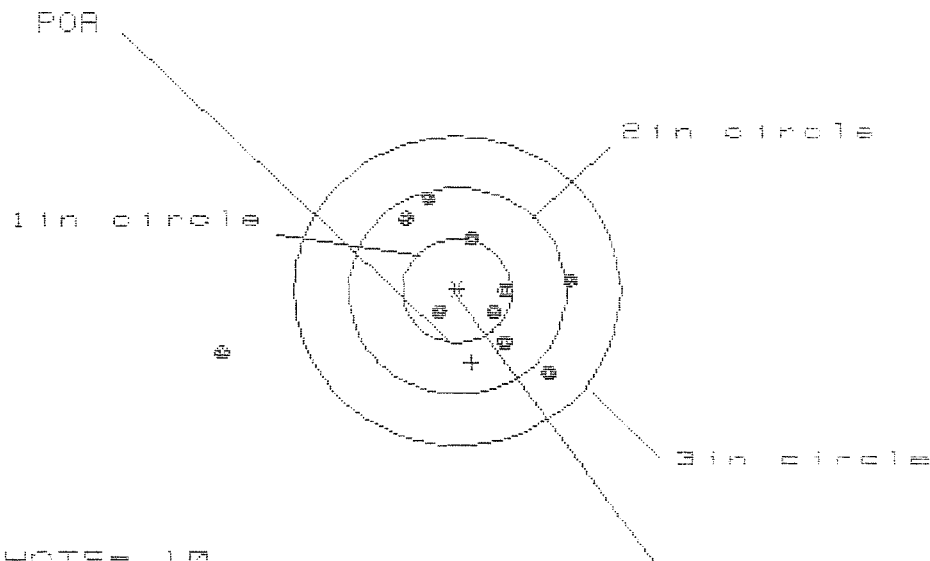
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.868	.801	.648
MINIMUM X	:	-1.154	-1.221	-.780
MAXIMUM Y	:	1.347	.804	.715
MINIMUM Y	:	-.993	-.843	-.932
CENTROID X	:	.320	.387	.540
CENTROID Y	:	-.471	-.620	-.531
POA TO CENTROID in.	:	.569	.731	.758
MIN RADIUS	:	.177	.203	.159
MEAN RADIUS	:	.887	.724	.629
MAX RADIUS	:	1.477	1.413	.932
HORIZONTAL SPREAD	:	2.022	2.022	1.428
VERTICAL SPREAD	:	2.339	1.647	1.647
EXTREME SPREAD	:	2.490	2.481	1.741
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

29 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225480

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 3.247

VS = 1.714

GS = 3.340

CENTROID #

PATTERN #	1	5	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.079	.838	.906
MINIMUM X	-2.168	-.678	-.610
MAXIMUM Y	.924	.854	.746
MINIMUM Y	-.790	-.860	-.688
CENTROID X	-.132	.109	.041
CENTROID Y	.695	.765	.873
POA TO CENTROID in.	.707	.773	.874
MIN RADIUS	.253	.176	.278
MEAN RADIUS	.849	.649	.610
MAX RADIUS	2.260	1.018	.907
HORIZONTAL SPREAD	3.247	1.516	1.516
VERTICAL SPREAD	1.714	1.714	1.434
EXTREME SPREAD	3.340	2.024	1.633
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225460

CENTROIDAL DISTANCES

0 TO	1	.385031
1 TO	2	.489124
1 TO	3	.086267
1 TO	4	.165738
1 TO	5	.963399

$\frac{1}{n} \sum_{i=1}^n x_i + 5$ <----POA

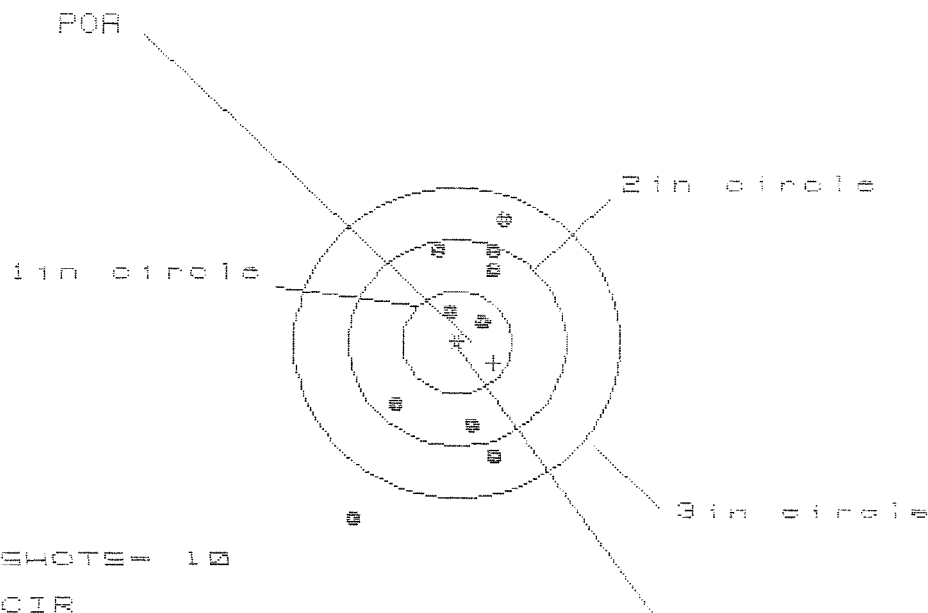
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1542
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .041
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .139538
THE AMR FOR THIS RIFLE IS: 1.011

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C82254B0.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 1

HE = 1.947

VS = 2.871

GS = 3.171

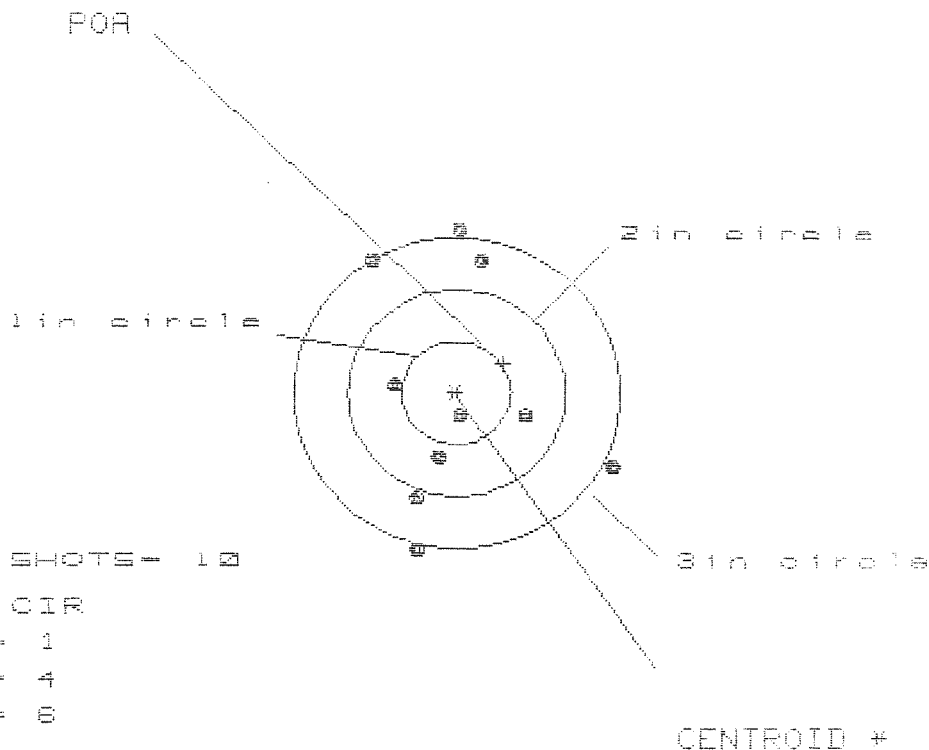
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.394	.288	.303
MINIMUM X	-.953	-.659	-.623
MAXIMUM Y	1.184	.996	.852
MINIMUM Y	-1.687	-1.311	-1.196
CENTROID X	-.332	-.226	-.262
CENTROID Y	.195	.383	.258
POA TO CENTROID in.	.385	.444	.368
MIN RADIUS	.297	.091	.204
MEAN RADIUS	.932	.758	.748
MAX RADIUS	1.938	1.338	1.224
HORIZONTAL SPREAD	1.347	.947	.925
VERTICAL SPREAD	2.871	2.387	2.038
EXTREME SPREAD	3.171	2.387	2.094
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225480.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS = 2.198

VS = 3.179

GS = 3.196

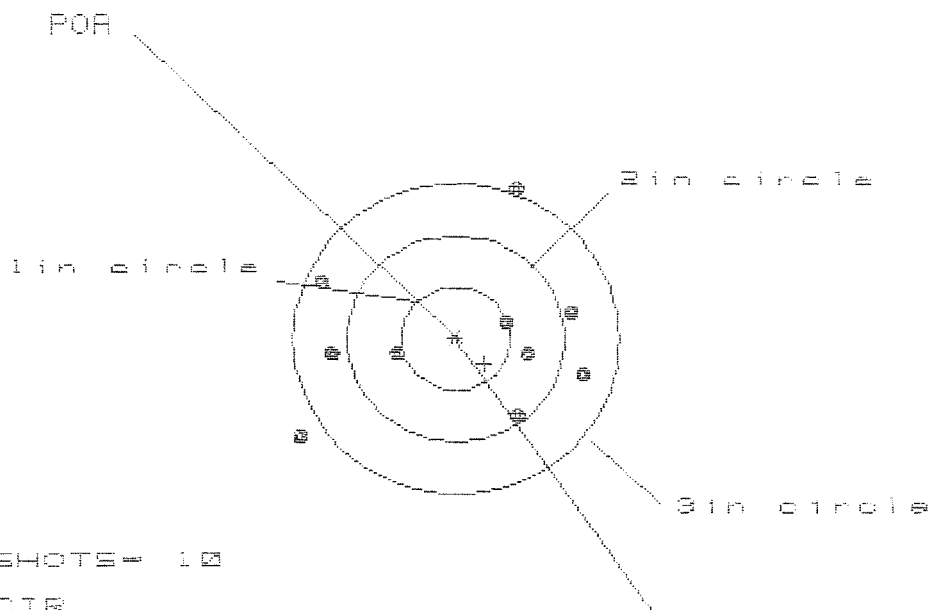
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.394	1.393	1.350
MINIMUM X	-1.805	-1.806	-1.849
MAXIMUM Y	1.629	1.513	1.341
MINIMUM Y	-1.550	-1.369	-1.973
CENTROID X	-1.431	-1.430	-1.387
CENTROID Y	-1.284	-1.465	-1.293
POA TO CENTROID in.	.516	.633	.485
MIN RADIUS	.187	.042	.173
MEAN RADIUS	1.084	.980	.952
MAX RADIUS	1.629	1.714	1.588
HORIZONTAL SPREAD	2.199	2.199	2.199
VERTICAL SPREAD	3.179	2.882	2.314
EXTREME SPREAD	3.196	3.007	3.007
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		6	

INTERCHANGEABILITY

15 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/05225488.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HE = 2.574

VS = 2.406

QS = 3.111

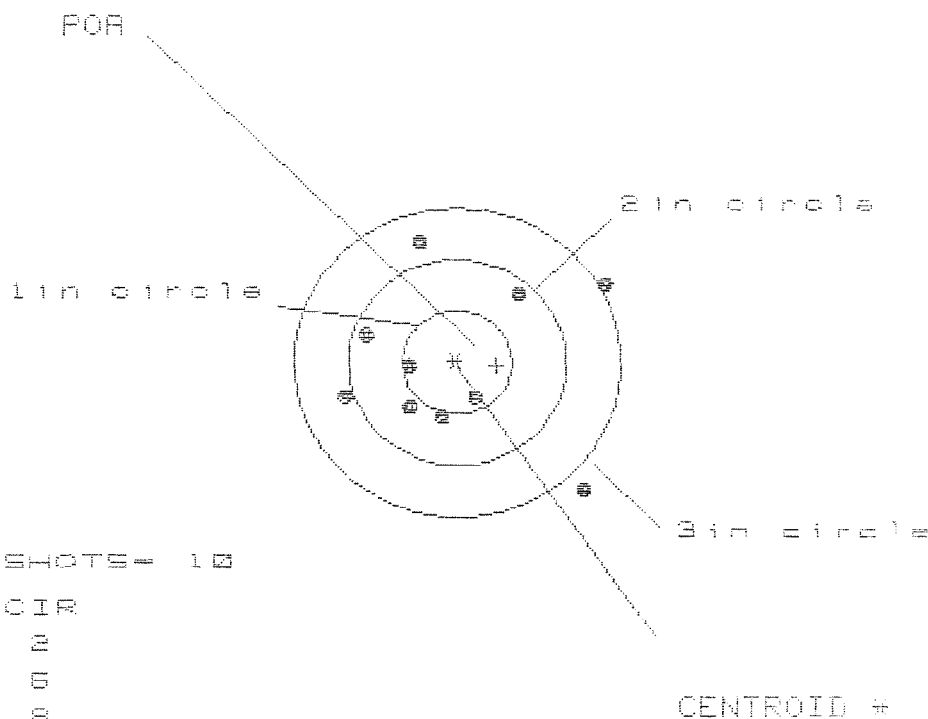
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.169	1.013	1.065
MINIMUM X	-1.485	-1.435	-1.393
MAXIMUM Y	1.465	1.360	.613
MINIMUM Y	-.941	-.888	-.718
CENTROID X	-.261	-.105	-.157
CENTROID Y	.244	.349	.179
POR TO CENTROID in.	.358	.364	.237
MIN RADIUS	.587	.325	.448
MEAN RADIUS	1.082	.986	.923
MAX RADIUS	1.691	1.501	1.513
HORIZONTAL SPREAD	2.574	2.448	2.448
VERTICAL SPREAD	2.406	2.248	1.308
EXTREME SPREAD	3.111	2.613	2.613
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225460.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.357

VS= 2.377

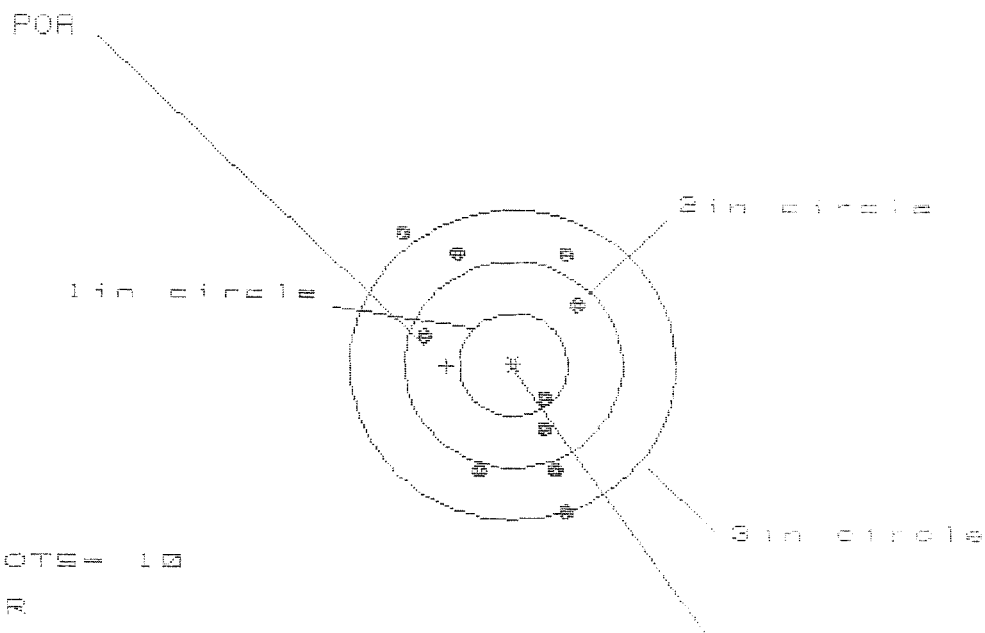
GS= 2.819

PATTERN #	1	4	9
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.323	1.455	.850
MINIMUM X	-1.044	-.912	-.730
MAXIMUM Y	1.167	1.033	1.112
MINIMUM Y	-1.210	-.655	-.576
CENTROID X	-.362	-.494	-.676
CENTROID Y	.032	.166	.087
POA TO CENTROID in.	.363	.521	.681
MIN RADIUS	.353	.337	.139
MEAN RADIUS	.914	.815	.665
MAX RADIUS	1.696	1.586	1.112
HORIZONTAL SPREAD	2.367	2.367	1.580
VERTICAL SPREAD	2.377	1.688	1.688
EXTREME SPREAD	2.819	2.616	1.866
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225480.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 1.626

VS = 2.727

GS = 3.111

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.628	.517	.566
MINIMUM X	-.998	-.937	-.888
MAXIMUM Y	1.313	1.227	1.069
MINIMUM Y	-1.415	-1.269	-1.003
CENTROID X	.615	.726	.677
CENTROID Y	.018	-.128	.030
POR TO CENTROID in.	.615	.737	.678
MIN RADIUS	.438	.255	.414
MEAN RADIUS	1.041	.936	.903
MAX RADIUS	1.649	1.327	1.154
HORIZONTAL SPREAD	1.626	1.454	1.454
VERTICAL SPREAD	2.727	2.496	2.072
EXTREME SPREAD	3.111	2.635	2.199
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	