

Smead
®

C6348807	
MODEL 700™ M24	
Model	SMS™
Action	
Barrel Length	
Capacity	
Order No.	5716
*Includes 1 in chamber.	
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: RE00032498		Serial: C6348807 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 16 of 25			Repairman:																												
Verify Repair					Status:		New 9/14/01 3:10:34 PM																										
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:		PD Box:			PD 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		Received Condition		Accessories Received																													
Phone:		Fair		<table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A006</td> <td>Sling Strap</td> <td>1</td> </tr> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A008</td> <td>With Swivel</td> <td>2</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>X001</td> <td>Scope Case</td> <td>1</td> </tr> <tr> <td>X002</td> <td>Deployment Kit</td> <td>1</td> </tr> </tbody> </table>						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
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																															
Fax:		Condition Notes:																															
Email:		CSR Notes:																															
Comments:																																	
Repair Search				Refresh		Close																											
<table border="1"> <tr> <td>naglelj</td> <td>9/17/01</td> <td>7:49 AM</td> <td>CAPS</td> <td>NUM</td> <td>INS</td> <td>SCRL</td> </tr> </table>										naglelj	9/17/01	7:49 AM	CAPS	NUM	INS	SCRL																	
naglelj	9/17/01	7:49 AM	CAPS	NUM	INS	SCRL																											

Serial Number: C6348807

Model: 700



RE00032498

BARBER - M24 0064612

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348807
3 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1602
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.006
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .160312

THE AMR FOR THIS RIFLE IS: .9718

CENTROIDAL DISTANCES

0 TO 1 .116619
1 TO 2 .242607
1 TO 3 .125064
1 TO 4 .307236
1 TO 5 .186075

5
+13 2 <----POA
4

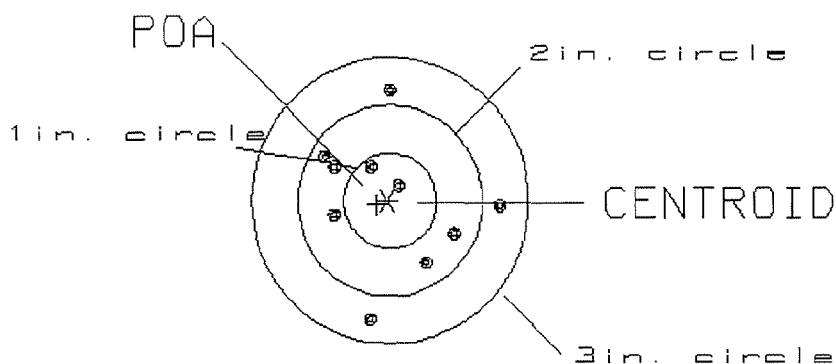
PATTERN #: 1

POA TO CENTROID: .116
 MIN RADIUS : .192
 MEAN RADIUS : .791
 MAX RADIUS : 1.234
 CENTROID X : .108
 CENTROID Y : .044

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348807

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.94

2

VS= 2.33

7

GS= 2.34

10

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .318

MIN RADIUS : .118

MEAN RADIUS : .838

MAX RADIUS : 1.309

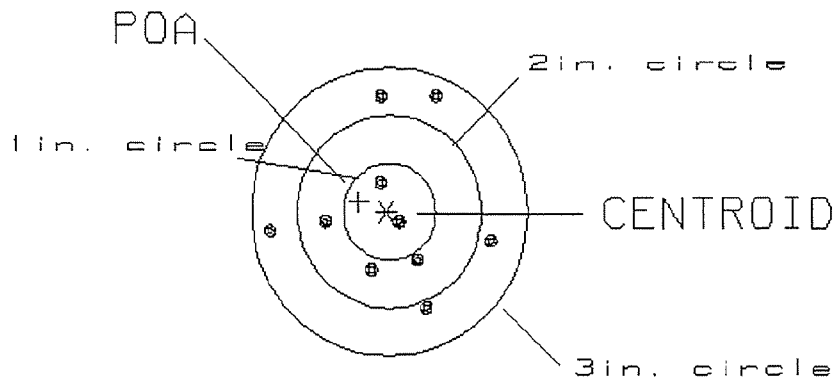
CENTROID X : .301

CENTROID Y : -.103

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348807

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.32

2

VS= 2.21

5

GS= 2.33

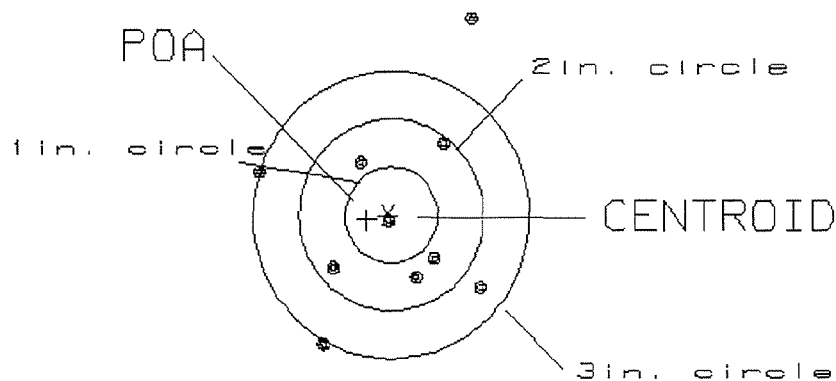
10

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .237
 MIN RADIUS : .102
 MEAN RADIUS : 1.034
 MAX RADIUS : 2.221
 CENTROID X : .233
 CENTROID Y : .048

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348807

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.37

1

VS= 3.40

6

GS= 3.74

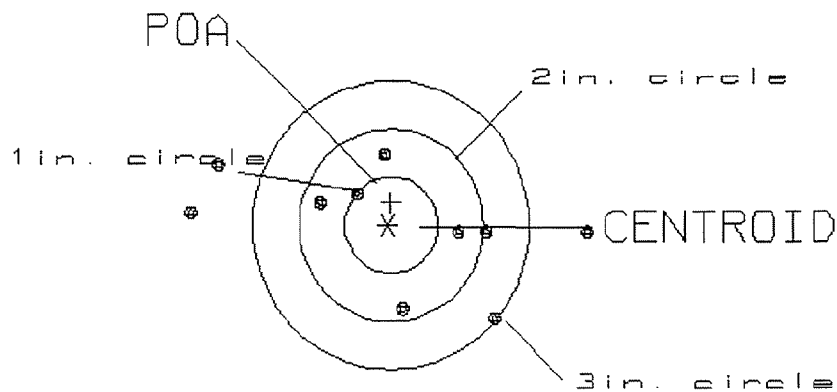
8

PATTERN #: 4
 POA TO CENTROID: .233
 MIN RADIUS : .443
 MEAN RADIUS : 1.253
 MAX RADIUS : 2.156
 CENTROID X : -.029
 CENTROID Y : -.231

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348907

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.26
 VS= 1.69
 GS= 4.27

1
 5
 6

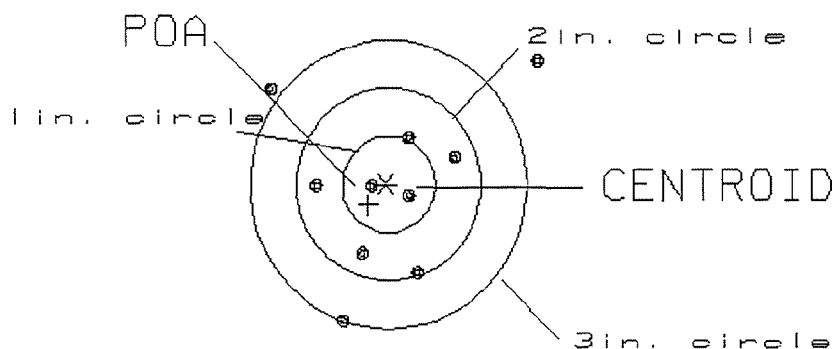
PATTERN #: 5

POA TO CENTROID: .283
 MIN RADIUS : .178
 MEAN RADIUS : .943
 MAX RADIUS : 2.078
 CENTROID X : .188
 CENTROID Y : .212

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348807

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.84
 VS= 2.76
 GS= 3.48

2
 7
 7

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

R & E NUMBER 32498

SERIAL NUMBER C6348807

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	RH
575	ASSEMBLE	9-20-01	RH
600	PROOF	9-21-01	RH
605	CHECK HEADSPACE	9-21-01	RH
610	DIS-ASSEMBLE GUN	9-24-01	RH
612	MAGNAFLUX	SEP 27 2001	
615	ROLLMARK CALIBER	OPERATOR RH	
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	RH
625 A	FINAL ASSEMBLY	10-1-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/2/01	RH
655	FINAL INSPECT	10-4-01	RH
660	PACK	10-5-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C6348807

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

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



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

MODEL 700TM M24

SERIAL NO.
C6348807

ORDER NO.
5716

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

Ø1



5716 C6348807

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348807

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 11 89	7/11/89	RW
600	Proof	7 11 89	7/11/89	RW
607	Check Headspace	7 11 89	7/11/89	RW
610	Dis-assemble Gun	7 11 89	7/11/89	RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt		7/13	KCR
615	Rollmark Caliber		7/13	SS.
617	Drill and Tap Sight Holes	7 13 89	7/13/89	YB
618	Polish Barrel RB	7 13 89	7/13/89	BT
620	Apply Coatings (Barrel Action)		7/21/89	TJA
	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		10 Aug 89	SS

op. #	BARBER - M24 0064622 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1 aug 89	JS
	G) Safety Off Force	4	4	4			1 aug 89	JS
	H) Trigger Pull Test & Retainability						1 aug 89	JS
	I) Firing Pin Indent	.021	.021	.021			1 aug 89	JS
	J) Assemble Stock						8/2/89	RW
	K) Assemble Swivel Studs						7 aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/2/89	RW
	M) Iron Sight Alignment						8/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/2/89	RW
	O) Attach Scope to Rifle						2 aug 89	JS
	P) Detach & Attach Scope 20 Times						2 aug 89	JS
640	Gallery Target & Test	68 R	84 L				8-3-89	A
	A) Time						8-3-89	A
	B) Malfunctions						8-3-89	A
	C) Pierced Primers						8-3-89	A
	D) Optical Clarity of Scope						8-3-89	A
645	Inspect for Live Ammo						8-3-89	A
655	Final Inspection						7 aug 89	JS
	A) Headspace						7 aug 89	JS
	B) Trigger Pull	276	265	257	260	229	7 aug 89	JS
	C) Function						7 aug 89	JS
660	Pack						9/20/89	A

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 8809
C6348752DATE 26 Oct 89TESTER 929

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.30	2.23	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.28	2.28	2.38	
PULL #3	2.25	2.37	2.21	2.33	
PULL #4	2.32	2.27	2.25	2.37	
PULL #5	2.29	2.31	2.28	2.30	
TOTAL	11.32	11.53	11.25	11.61	
AVG.	2.264	2.306	2.25	2.322	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.93	2.82		
PULL #2	3.05	2.96		
PULL #3	2.87	2.97		
PULL #4	3.00	3.00		
PULL #5	2.99	2.96		
TOTAL	14.84	14.61		
AVG.	2.968	2.922		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	3.98		4.06
PULL #2	4.17	4.06		4.01
PULL #3	4.08	4.13		4.06
PULL #4	4.12	4.07		4.22
PULL #5	4.24	4.14		4.11
TOTAL	20.69	20.38		20.46
AVG.	4.138	4.076		4.092

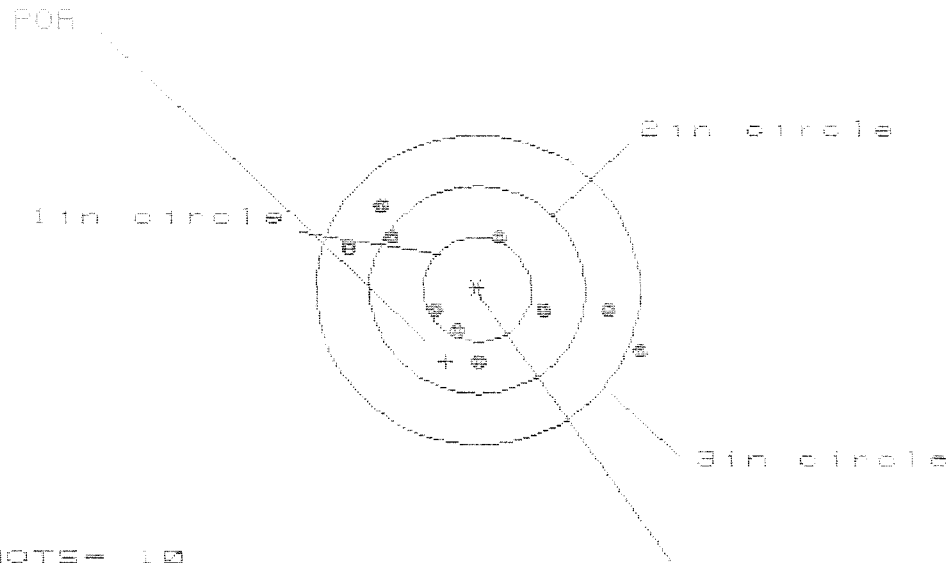
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

1 MAY 1959

FILE:/PATTERNING/CENTERFIRE_PATT/C6348887

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.684

VS = 1.506

GS = 2.853

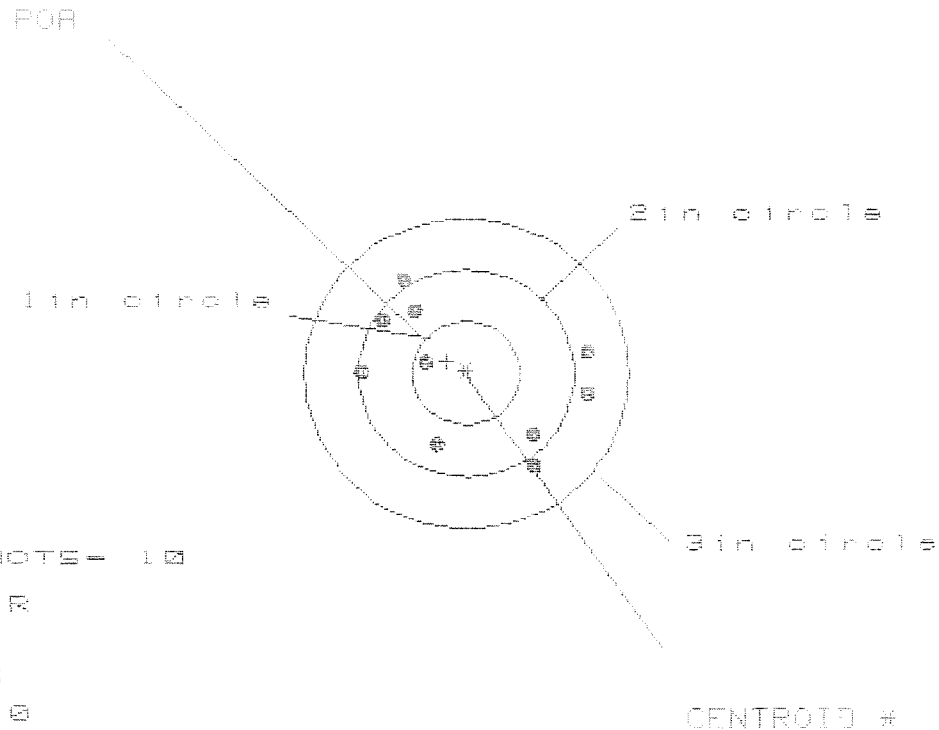
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.468	1.346	1.215
MINIMUM X	-1.216	-1.053	-.858
MAXIMUM Y	.810	.747	.789
MINIMUM Y	-.696	-.759	-.717
CENTROID X	.293	.130	.261
CENTROID Y	.691	.754	.712
POB TO CENTROID in.	.751	.765	.758
MIN RADIUS	.387	.286	.366
MEAN RADIUS	.886	.795	.750
MAX RADIUS	1.573	1.366	1.229
HORIZONTAL SPREAD	2.684	2.399	2.073
VERTICAL SPREAD	1.506	1.506	1.506
EXTREME SPREAD	2.853	2.466	2.291
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

3 Aug 1989

ATF:/PATTERNING/CENTERFIRE_PATT/08346887

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 10

HS = 2.068

VS = 1.772

GS = 2.102

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.108	1.230	.915
MINIMUM X	-.960	-.838	-.684
MAXIMUM Y	.864	.887	.872
MINIMUM Y	-.908	-.885	-.900
CENTROID X	.179	.057	-.097
CENTROID Y	-.113	-.136	-.121
POR TO CENTROID in.	.212	.147	.155
MIN RADIUS	.369	.270	.154
MEAN RADIUS	.899	.852	.767
MAX RADIUS	1.119	1.236	1.236
HORIZONTAL SPREAD	2.068	2.068	1.599
VERTICAL SPREAD	1.772	1.772	1.772
EXTREME SPREAD	2.102	2.102	2.102
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

3 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08348887

CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.496

VS = 1.671

GS = 1.727

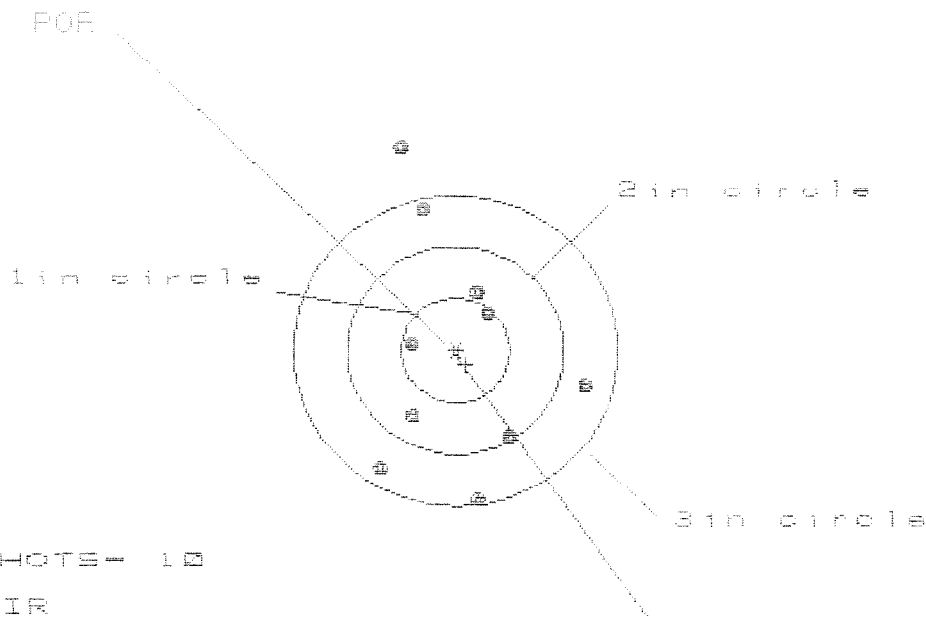
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.774	.743	.648
MINIMUM X	-.722	-.753	-.362
MAXIMUM Y	1.025	.668	.602
MINIMUM Y	-.646	-.533	-.371
CENTROID X	-.125	-.094	.001
CENTROID Y	-.395	-.508	-.442
POR TO CENTROID in.	.414	.517	.442
MIN RADIUS	.185	.239	.137
MEAN RADIUS	.583	.508	.456
MAX RADIUS	1.064	.923	.660
HORIZONTAL SPREAD	1.496	1.496	1.010
VERTICAL SPREAD	1.671	1.201	.973
EXTREME SPREAD	1.727	1.660	1.185
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

Aug 1995

FILE:/PATTERNING/CENTERFIRE_PATT/C6346007

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.920

VS= 3.388

GS= 3.469

CENTROID #

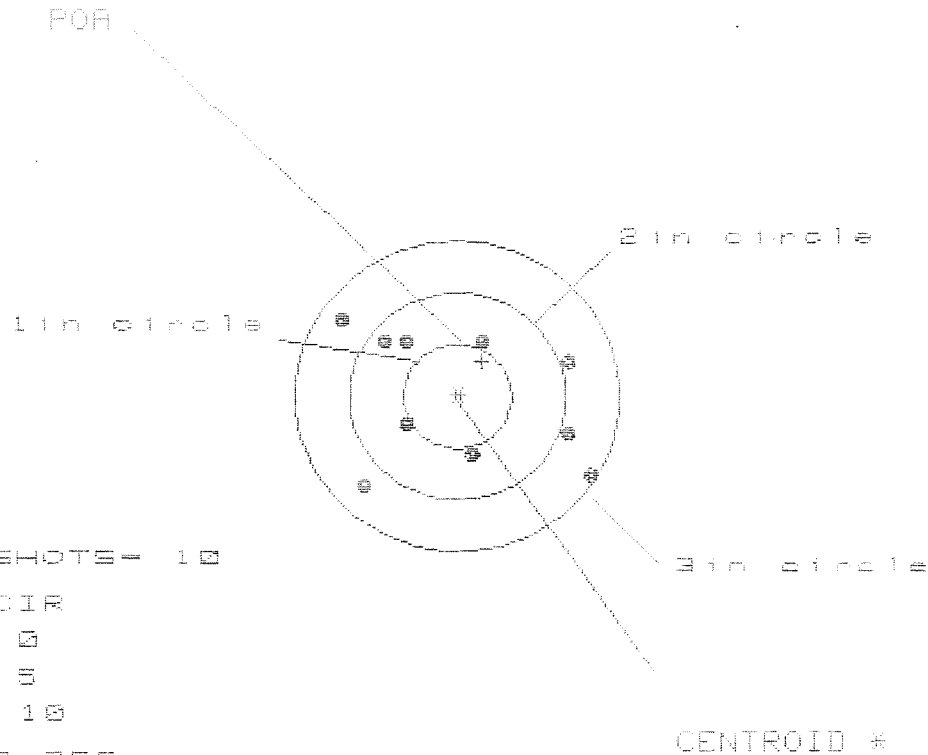
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.178	1.117	1.135
MINIMUM X	-1.742	-1.803	-1.785
MAXIMUM Y	1.986	1.540	1.393
MINIMUM Y	-1.461	-1.181	-1.045
CENTROID X	-0.096	-0.035	-0.053
CENTROID Y	.135	-0.085	.062
POB TO CENTROID in.	.166	.092	.082
MIN RADIUS	.425	.540	.476
MEAN RADIUS	1.060	.936	.891
MAX RADIUS	2.060	1.574	1.426
HORIZONTAL SPREAD	1.920	1.920	1.920
VERTICAL SPREAD	3.388	2.721	2.438
EXTREME SPREAD	3.469	2.760	2.485
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

2 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8348807

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS= 2.266

VS= 1.543

GS= 2.725

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.131	1.129	1.010
MINIMUM X	-1.085	-.954	-.848
MAXIMUM Y	.729	.642	.560
MINIMUM Y	-.814	-.901	-.921
CENTROID X	-.228	-.359	-.240
CENTROID Y	-.338	-.251	-.331
POA TO CENTROID in.	.408	.438	.409
MIN RADIUS	.538	.474	.530
MEAN RADIUS	.920	.845	.809
MAX RADIUS	1.417	1.200	1.186
HORIZONTAL SPREAD	2.266	2.083	1.858
VERTICAL SPREAD	1.543	1.543	1.381
EXTREME SPREAD	2.725	2.333	2.153
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		