

C6349001

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVED BARBER M24 0105430 RECEIVING AND ESTIMATING REPORT

COMMENTS

R ORDER
96-04796

INITIAL FPS	CUSTOMER ORDER NO.
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M-24 SNIPER W/10X LEUPOLD SCOPE
W/2 STUDS & 2 SWIVELS

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE	
02/12/96	02/12/96		C6349001		700 7.62	NATO
ACCESSORIES	HARD CASE	SCOPE MNTS	SCOPE BASE			
			W/SCOPE CASE			

FROM:

SHIP TO:

U S ARMY
C CO. 3/5 SFG (A)
FT CAMPBELL

KY 42223

U S ARMY
C CO. 3/5 SFG (A)
FT CAMPBELL

42223

CUST NO: 137790 C.D.D.L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C
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WRITE ☐

PROM. DATE	ESTIMATED	VIA UPS
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GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

Category	Value
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100
TOTAL	500

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

[illegible]

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0103430~~ M2400105469

84B

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION B Co 3/5		B. LOCATION Ft. Campbell KY 42223		C. UNIT IDENT CODE WH0680			
2. SERIAL NO. CG34 9001		3. NOUN NOMENCLATURE Rifle Sniper 7.62		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
								9C. PACING ITEM	
								10. HOURS	
								11. MILES	
								12. ROUNDS	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)									
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☒ H Other		☐ 258 Overheating	
								☐ 790 Out of Adjustment	
								☐ 008 Noisy	
								☐ 387 Low Performance	
								☒ Other	
15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)									
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). RNN CNT OVER 5,000 ROUNDS									
B. REMARKS									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3.					13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.				
23. SUBMITTED BY Tony J. [Signature] 6/10/88		24. RECEIVED BY							
JULIAN DATE		JULIAN DATE							

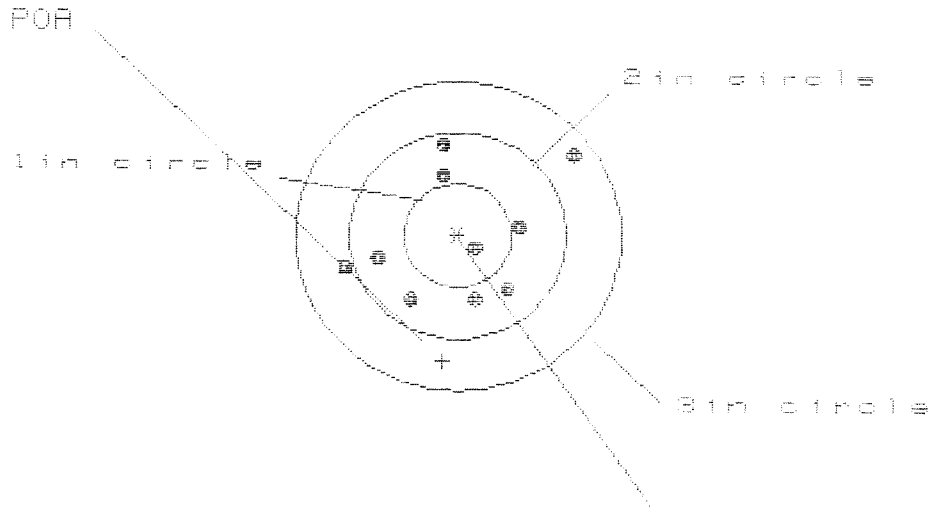
NMP COPY 2

2/17/96

13 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06343001

CENTERFIRE PATTERNS # 1



* OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 2.060

VS= 1.492

GS= 2.332

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.057	.713	.603
MINIMUM X	-1.003	-.886	-.707
MAXIMUM Y	.920	1.004	.972
MINIMUM Y	-.572	-.488	-.519
CENTROID X	.138	.021	.131
CENTROID Y	1.214	1.130	1.161
POA TO CENTROID in.	1.222	1.130	1.169
MIN RADIUS	.255	.334	.236
MEAN RADIUS	.752	.684	.640
MAX RADIUS	1.300	1.004	.980
HORIZONTAL SPREAD	2.060	1.599	1.310
VERTICAL SPREAD	1.492	1.492	1.492
EXTREME SPREAD	2.332	1.667	1.565
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

PREVIOUS
AMR

7944

Remington®
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO. C6349001

ORDER NO. 5716

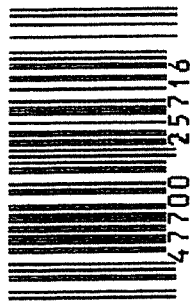
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6349001

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349001

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		GL
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4-30-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/8/90	RL

BARBER - M24 0105436		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			5/8/90	JM
	G) Safety Off Force	2	2	2			5/8/90	JL
	H) Trigger Pull Test & Retainability						5/8/90	JL
	I) Firing Pin Indent	.0205	.0215	.0215			5/8/90	JM
	J) Assemble Stock						5/8/90	RW
	K) Assemble Swivel Studs						5/10/90	WB
	L) Attach Front and Rear Sight Assemblies						5/8/90	RW
	M) Iron Sight Alignment						5/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/90	RW
	O) Attach Scope to Rifle						5/8/90	JM
	P) Detach & Attach Scope 20 Times						5/8/90	JL
640	Gallery Target & Test						5-8-90	DH
	A) Time						5-8-90	DH
	B) Malfunctions						5-8-90	DH
	C) Pierced Primers						5-8-90	DH
	D) Optical Clarity of Scope						5-8-90	DH
645	Inspect for Live Ammo						5-8-90	DH
655	Final Inspection						5/10/90	WB
	A) Headspace							
	B) Trigger Pull	2.61	2.57	2.55	2.59	2.59	5/9/90	WB
	C) Function						5/10/90	WB
660	Pack						6-20-90	DH

BARBER - M24 0105437

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06349001DATE 5/8/90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.41	2.34	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.46	2.35	2.57	
PULL #3	2.41	2.46	2.27	2.55	
PULL #4	2.49	2.46	2.32	2.59	
PULL #5	2.46	2.50	2.34	2.59	
TOTAL	12.33	12.29	11.62		
AVG.	2.466	2.458	2.324		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.33		
PULL #2	3.34	3.35		
PULL #3	3.37	3.35		
PULL #4	3.32	3.34		
PULL #5	3.31	3.38		
TOTAL	16.69	16.75		
AVG.	3.338	3.35		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.17		4.27
PULL #2	4.38	4.36		4.28
PULL #3	4.31	4.40		4.23
PULL #4	4.32	4.37		4.30
PULL #5	4.43	4.42		4.30
TOTAL	21.81	21.72		21.38
AVG.	4.362	4.344		4.276

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349001
9 May 1990

CENTROIDAL DISTANCES

0 TO	1	.134469
1 TO	2	.0821523
1 TO	3	.280321
1 TO	4	.178899
1 TO	5	.692018

5
POI <----POI

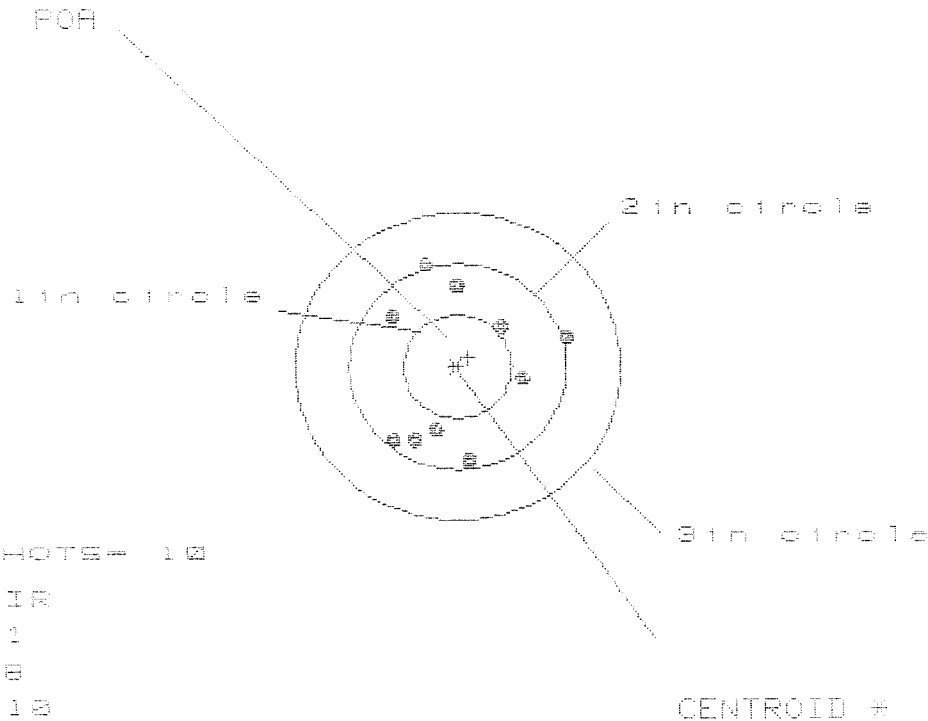
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0722
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0873698
THE AMR FOR THIS RIFLE IS: .7944

3 May 1966

FILE:/PATTERNING/CENTERFIRE_PATT/C6345001

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS= 1.812

VS= 1.872

CS= 1.919

PATTERN #

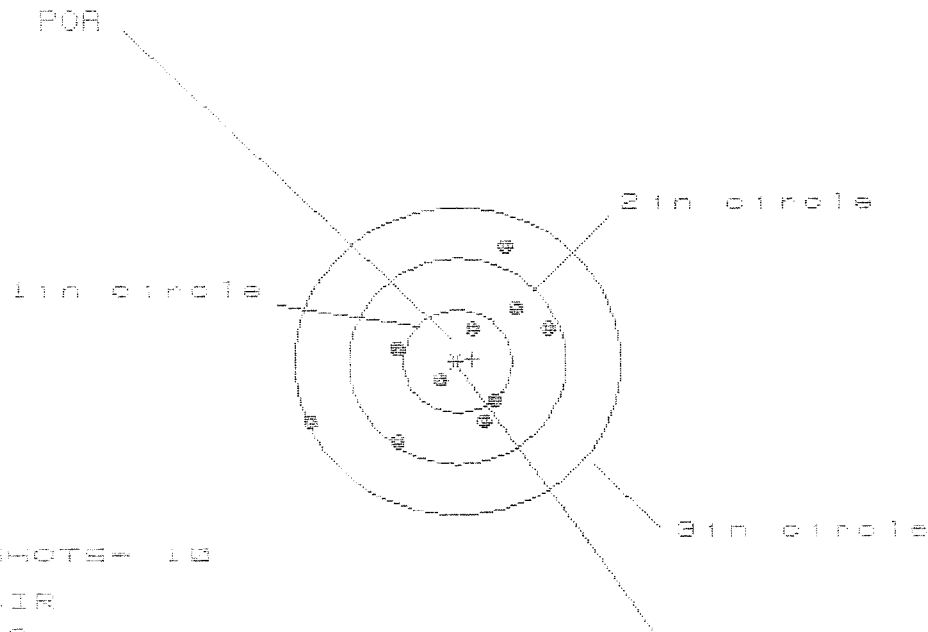
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.998	.753	.739
MINIMUM X	-.614	-.503	-.522
MAXIMUM Y	.984	1.021	1.003
MINIMUM Y	-.988	-.851	-.723
CENTROID X	-.899	-.210	-.191
CENTROID Y	-.891	-.128	-.256
POA TO CENTROID in.	.135	.246	.319
MIN RADIUS	.498	.607	.498
MEAN RADIUS	.819	.788	.739
MAX RADIUS	1.054	1.034	1.006
HORIZONTAL SPREAD	1.612	1.261	1.261
VERTICAL SPREAD	1.872	1.872	1.726
EXTREME SPREAD	1.919	1.911	1.731
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 10		

8 May 1988

FILE:\PATTERNING/CENTERFIRE_PATT\08349001

CENTERFIRE PATTERNS

2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HSH = 2.177

VSH = 1.906

GSH = 2.419

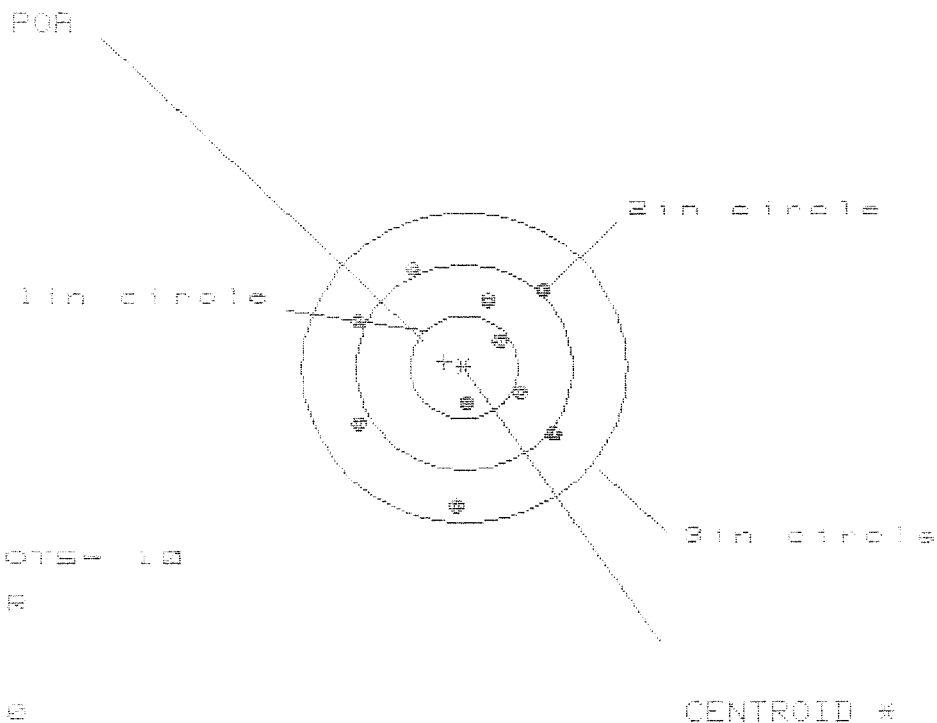
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.859	.713	.752
MINIMUM X	-1.318	-.737	-.698
MAXIMUM Y	1.078	1.015	.580
MINIMUM Y	-.828	-.891	-.764
CENTROID X	-.142	.004	-.035
CENTROID Y	-.021	.042	-.085
POR TO CENTROID in.	.144	.042	.092
MIN RADIUS	.190	.304	.237
MEAN RADIUS	.762	.677	.617
MAX RADIUS	1.434	1.143	1.022
HORIZONTAL SPREAD	2.177	1.450	1.450
VERTICAL SPREAD	1.906	1.906	1.344
EXTREME SPREAD	2.419	2.165	1.864
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

3 May 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06349001

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in 2

2 in 4

3 in 10

HSI 1.787

VSI 2.360

ESS 2.398

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.796	.787	.662
MINIMUM X	-.991	-1.000	-1.075
MAXIMUM Y	.978	.824	.730
MINIMUM Y	-1.382	-.810	-.901
CENTROID X	.179	.188	.313
CENTROID Y	-.855	.899	.190
POA TO CENTROID in.	.187	.212	.366
MIN RADIUS	.301	.325	.174
MEAN RADIUS	.872	.882	.717
MAX RADIUS	1.384	1.236	1.118
HORIZONTAL SPREAD	1.787	1.787	1.737
VERTICAL SPREAD	2.360	1.634	1.634
EXTREME SPREAD	2.398	2.166	2.086
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C63490001

CENTERFIRE PATTERNS

4

POB

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

HEI = 2.509

VER = 2.165

GEI = 2.861

CENTROID %

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.996

.828

.927

MINIMUM X

-1.513

-.912

-.813

MAXIMUM Y

1.068

1.093

.959

MINIMUM Y

-1.097

-1.072

-.908

CENTROID X

.062

.230

.131

CENTROID Y

-.013

-.038

.096

POB TO CENTROID in.

.063

.233

.163

MIN RADIUS

.217

.275

.161

MEAN RADIUS

.813

.737

.625

MAX RADIUS

1.529

1.332

1.026

HORIZONTAL SPREAD

2.509

1.740

1.740

VERTICAL SPREAD

2.165

2.165

1.867

EXTREME SPREAD

2.861

2.451

2.007

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

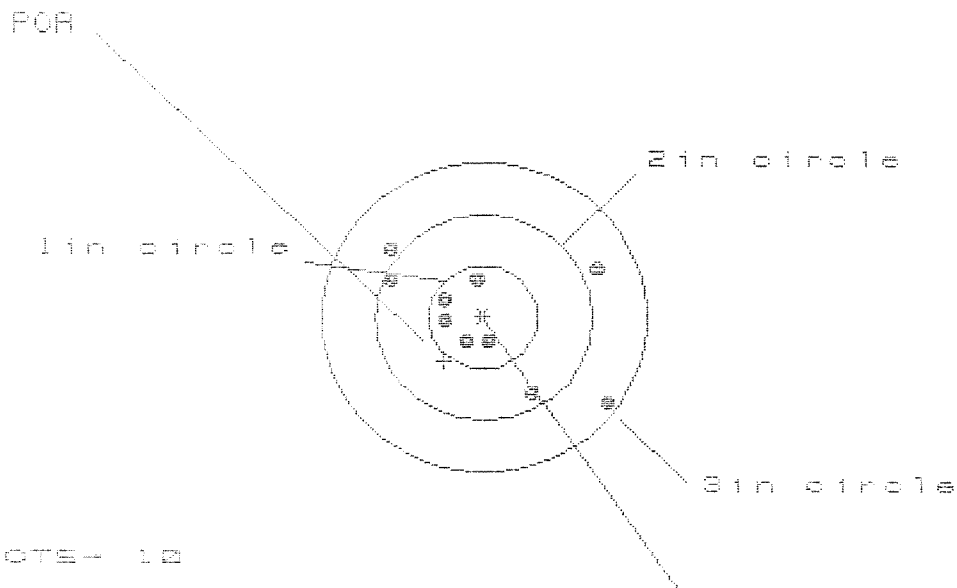
NUMBER IN THREE INCH CIRCLE =

9

8 May 1996

FILE:/PATTERNING/CENTERFIRE_PATT/06349001

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 10

HBI = 8.0000

VS# = 1.494

GS# = 8.498

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.135
MINIMUM X	-.887
MAXIMUM Y	.636
MINIMUM Y	-.958
CENTROID X	.361
CENTROID Y	.426
POA TO CENTROID in.	.558
MIN RADIUS	.214
MEAN RADIUS	.706
MAX RADIUS	1.423
HORIZONTAL SPREAD	2.022
VERTICAL SPREAD	1.494
EXTREME SPREAD	2.496
NUMBER IN ONE INCH CIRCLE	5
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	10