

C6349121

MODEL 700TM M24

Model **S&S**TM

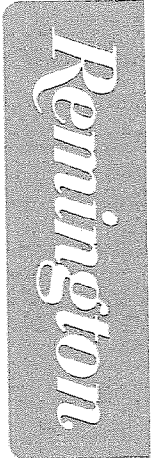
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Smead[®]

Repair Inquiry

Repair Number: RE00128537

Serial: C6349121 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 4/24/2007 7:52:47 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: ISSD ARMSROOM

ISSD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

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: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

4/24/2007

8:10 AM

CAPS

NUM

INS

SCRL



3 Mi...

5 In...

Arms ...

Part ...

6 Mi...

2 W...



8:10 AM

Serial Number: C6349121

Model: M24 SWS



RE00128537

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349121.___0
FILE DATE AND TIME: 06/01/2007 15:34

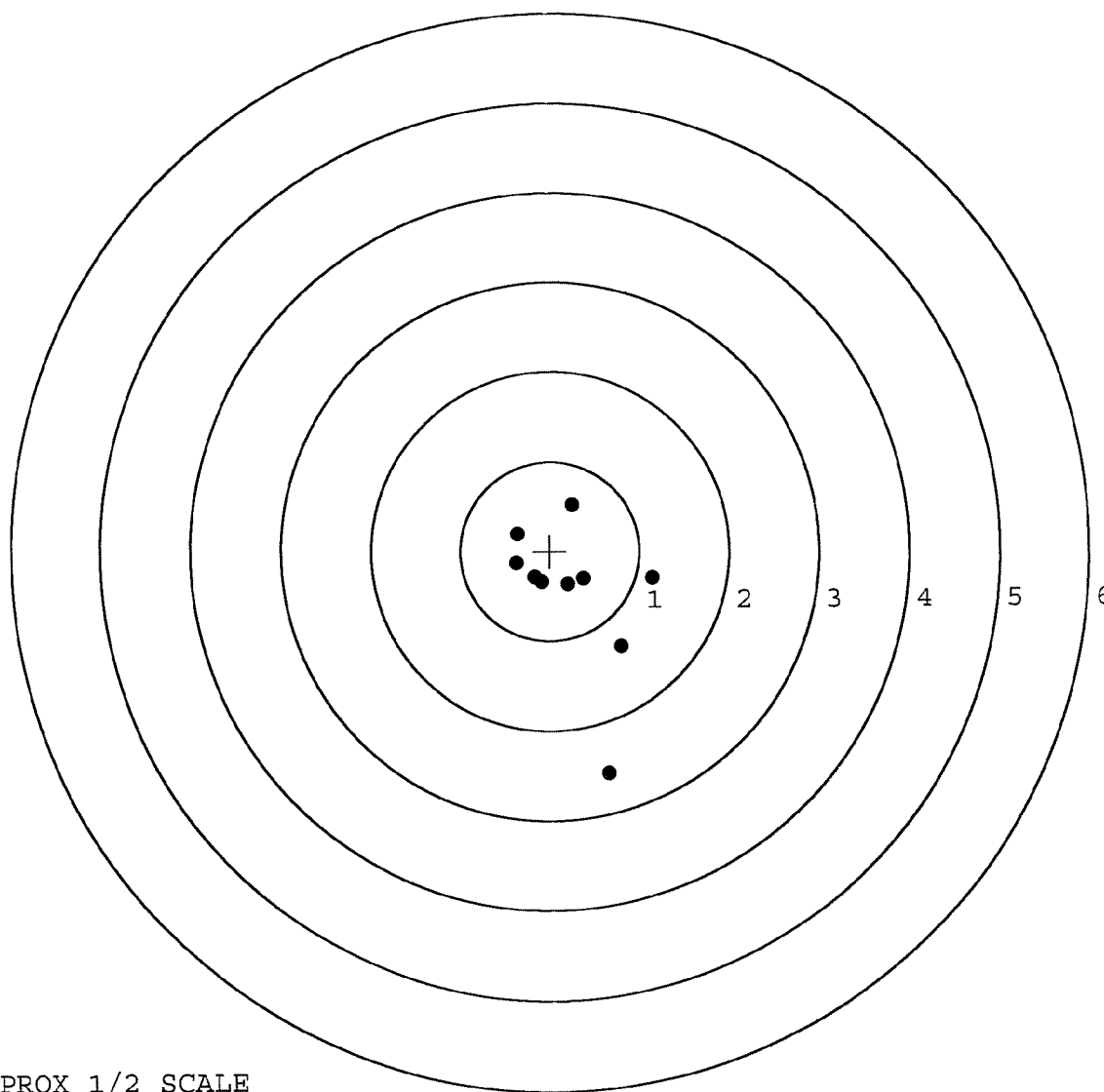
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.140
The Average Y Centroid of the Five Target Set:	-0.165
The Average Point of Impact of the Five Target Set:	0.217
The Average Mean Radius of the Five Target Set:	0.818
The Distance from POA to Centroid Target #1:	0.521
The Distance from Centroid Target #2 to Centroid Target #1:	0.405
The Distance from Centroid Target #3 to Centroid Target #1:	0.562
The Distance from Centroid Target #4 to Centroid Target #1:	0.543
The Distance from Centroid Target #5 to Centroid Target #1:	0.130

SERIAL NUMBER: C6349121. __0
TARGET NUMBER: 1
FILE DATE: 06/01/2007
FILE TIME: 15:34

X CENTROID: 0.240
Y CENTROID: -0.463
POA TO CENTROID: 0.521
HORZ SPREAD: 1.521
VERT SPREAD: 2.997
GROUP SPREAD: 3.022
MIN RADIUS: 0.097
MAX RADIUS: 2.058
MEAN RADIUS: 0.748
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.257	0.516
2:	-0.364	0.199
3:	-0.375	-0.135
4:	-0.180	-0.295
5:	-0.100	-0.352
6:	0.202	-0.374
7:	0.378	-0.314
8:	1.146	-0.317
9:	0.791	-1.076
10:	0.641	-2.481

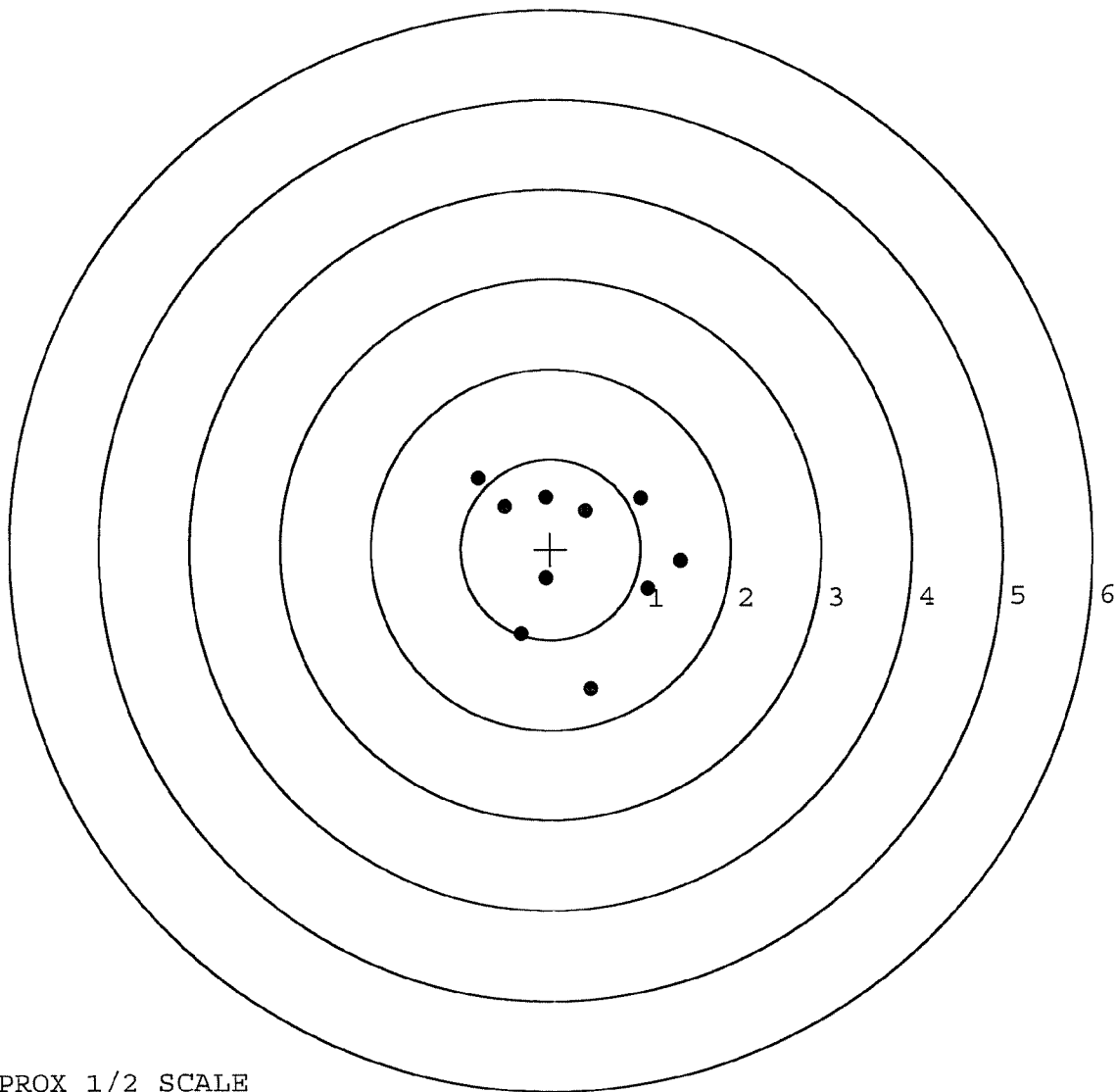


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349121.___0
TARGET NUMBER: 2
FILE DATE: 06/01/2007
FILE TIME: 15:34

X CENTROID: 0.262
Y CENTROID: -0.059
POA TO CENTROID: 0.269
HORZ SPREAD: 2.235
VERT SPREAD: 2.347
GROUP SPREAD: 2.651
MIN RADIUS: 0.414
MAX RADIUS: 1.504
MEAN RADIUS: 0.954
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.794	0.795
2:	-0.506	0.480
3:	-0.048	0.575
4:	0.396	0.425
5:	1.009	0.554
6:	1.441	-0.152
7:	1.079	-0.453
8:	-0.057	-0.322
9:	-0.335	-0.939
10:	0.439	-1.552

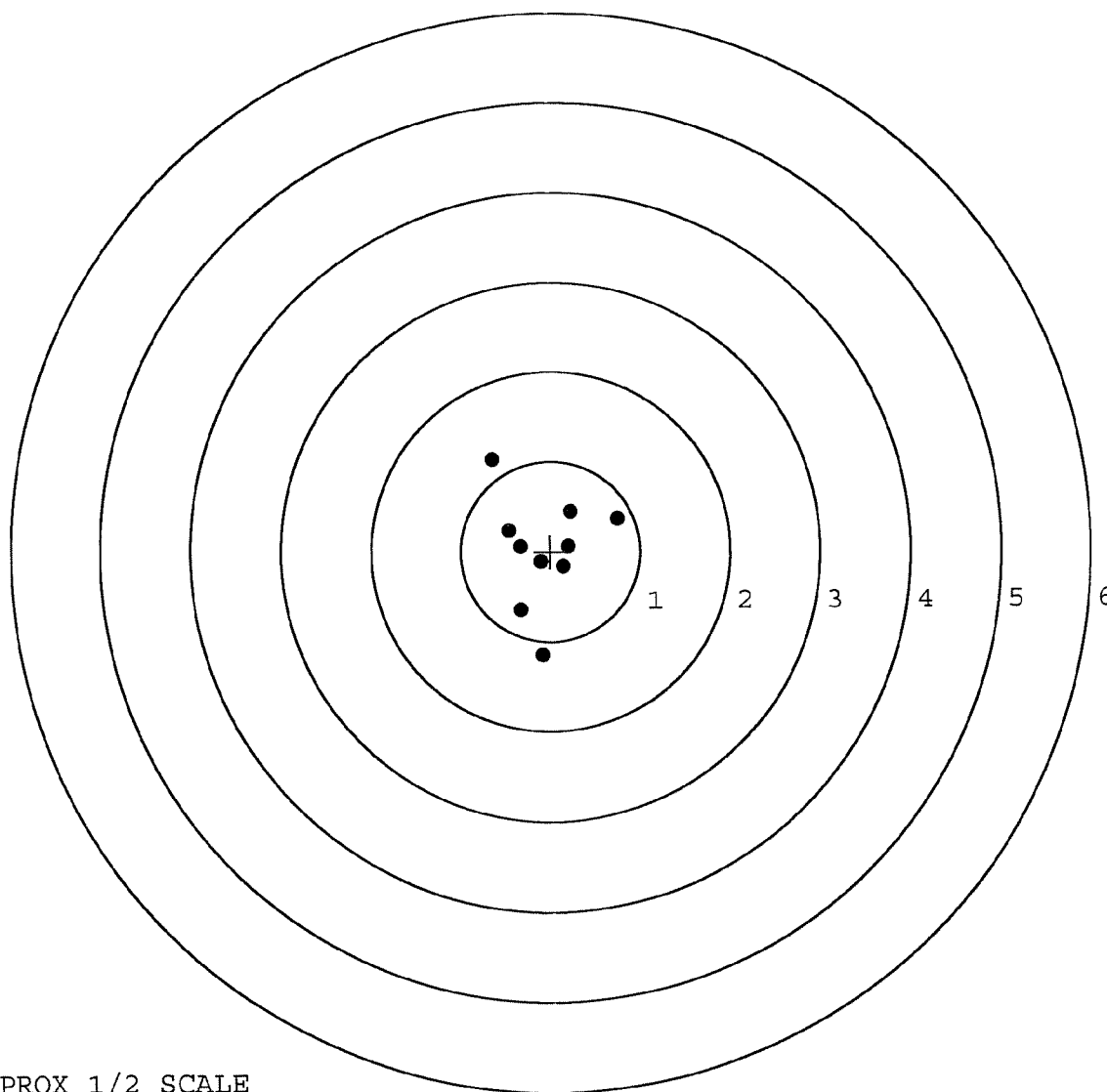


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349121. __0
TARGET NUMBER: 3
FILE DATE: 06/01/2007
FILE TIME: 15:34

X CENTROID: -0.066
Y CENTROID: 0.009
POA TO CENTROID: 0.067
HORZ SPREAD: 1.397
VERT SPREAD: 2.180
GROUP SPREAD: 2.249
MIN RADIUS: 0.136
MAX RADIUS: 1.170
MEAN RADIUS: 0.587
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.646	1.025
2:	-0.462	0.239
3:	-0.335	0.059
4:	-0.112	-0.119
5:	0.141	-0.168
6:	0.204	0.054
7:	0.227	0.444
8:	0.751	0.356
9:	-0.335	-0.648
10:	-0.095	-1.155

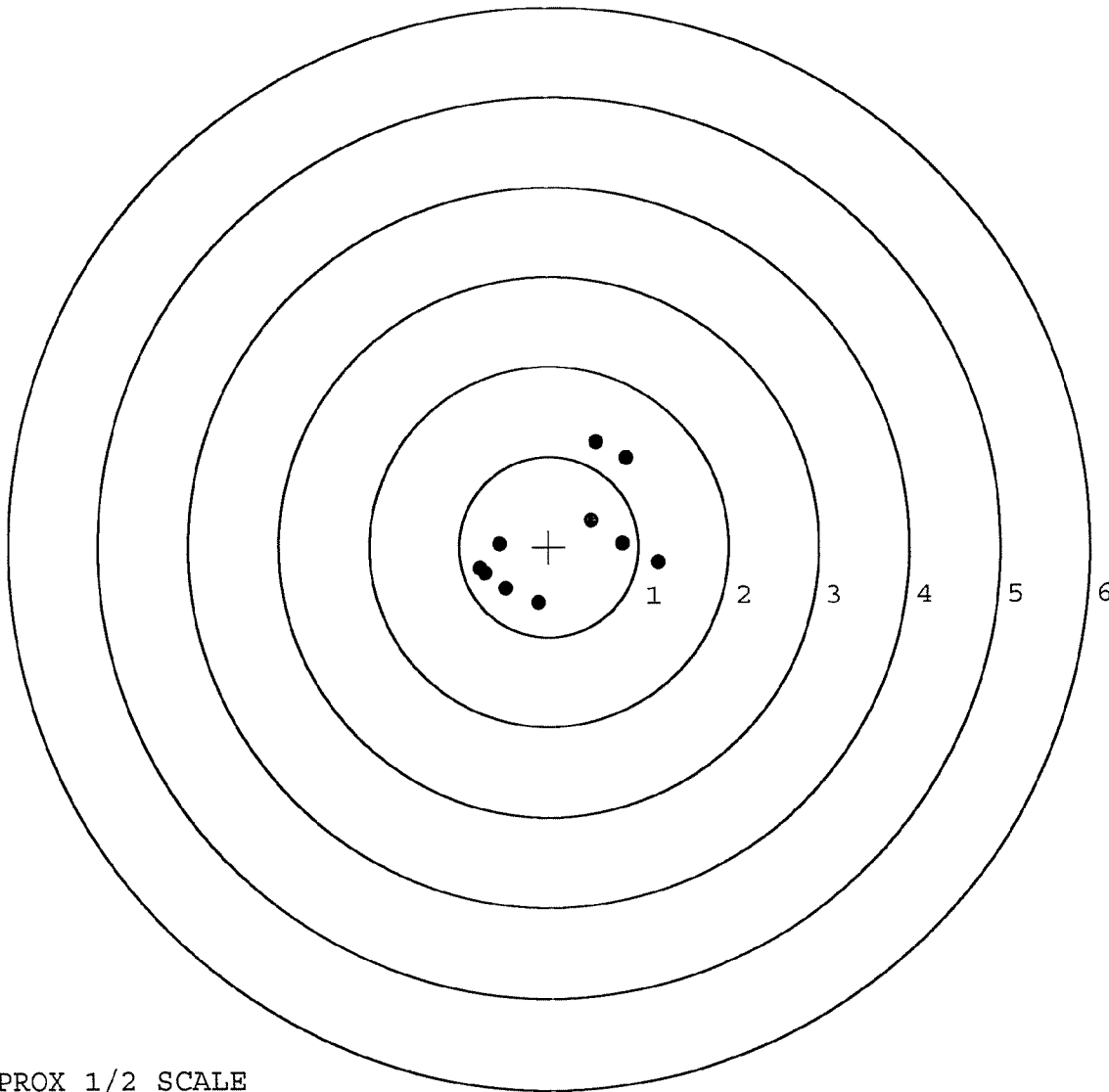


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349121. __0
TARGET NUMBER: 4
FILE DATE: 06/01/2007
FILE TIME: 15:34

X CENTROID: 0.128
Y CENTROID: 0.069
POA TO CENTROID: 0.145
HORZ SPREAD: 1.991
VERT SPREAD: 1.779
GROUP SPREAD: 2.040
MIN RADIUS: 0.411
MAX RADIUS: 1.169
MEAN RADIUS: 0.865
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.539	1.157
2:	0.868	0.974
3:	0.475	0.289
4:	0.823	0.030
5:	1.219	-0.185
6:	-0.552	0.035
7:	-0.772	-0.239
8:	-0.480	-0.464
9:	-0.122	-0.622
10:	-0.718	-0.287

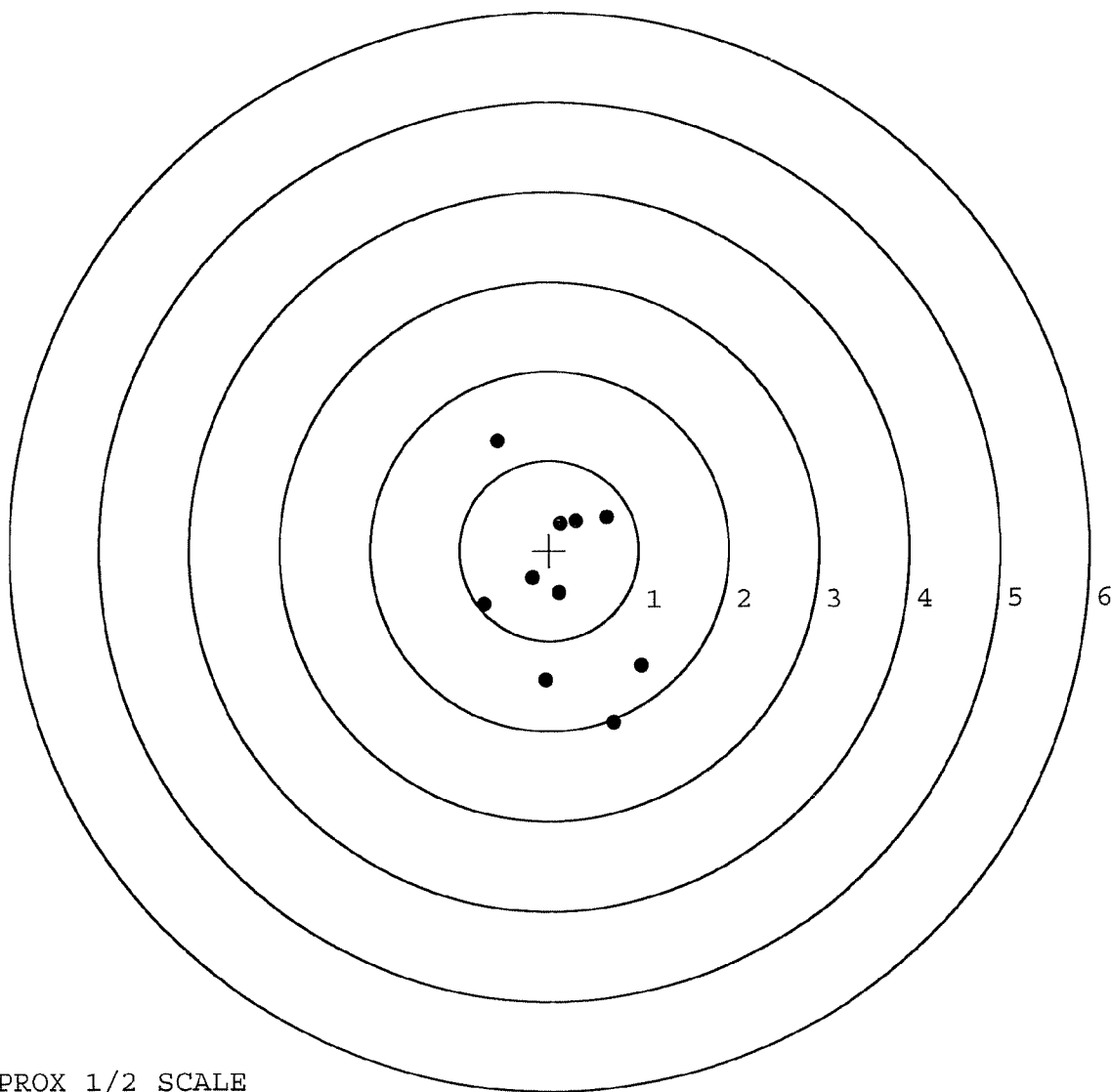


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349121. __0
 TARGET NUMBER: 5
 FILE DATE: 06/01/2007
 FILE TIME: 15:34

POINT#	X	Y
1:	0.127	0.297
2:	0.305	0.325
3:	0.644	0.360
4:	0.110	-0.475
5:	-0.187	-0.311
6:	-0.727	-0.596
7:	-0.053	-1.443
8:	0.710	-1.916
9:	1.021	-1.291
10:	-0.571	1.223

X CENTROID: 0.138
 Y CENTROID: -0.383
 POA TO CENTROID: 0.407
 HORZ SPREAD: 1.748
 VERT SPREAD: 3.139
 GROUP SPREAD: 3.390
 MIN RADIUS: 0.096
 MAX RADIUS: 1.755
 MEAN RADIUS: 0.936
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	128537		
SERIAL NUMBER	C6349121		
LOG-IN DATE	4-24-07		

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-16-07	RTZ
505	RE-BARREL	5-18-07	RTZ
560	ASSEMBLE	5-18-07	RTZ
600	PROOF	5-18-07	TRW
605	CHECK HEADSPACE	5-18-07	TRW
610	DIS-ASSEMBLE GUN	5-21-07	RTZ
612	MAGNAFLUX	5-21-07	RTZ
510	DRILL AND TAP	5-21-07	TRW
615	ROLLMARK CALIBER	5-21-07	CW
618	ROTO-BLAST	5-22-07	LB
620	APPLY COATINGS	5-24-07	WJ
625	FINAL ASSEMBLY	5-30-07	RTZ
640	FUNCTION TEST AND	PASS FAIL 6-1-07	TRW
650	TARGET	PASS FAIL 6-1-07	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	6-1-07 6-7-07 6-7-07	FM RTZ RTZ
	A) HEADSPACE	PASS FAIL 6-7-07	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.47 2.56 2.59 2.53 2.63 6-4-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 3.5 3.5 3.5 6-4-07	DA
	G) SAFETY OFF FORCE	2 LBS MIN 2.0 2.0 2.0 6-4-07	DA
	I) FIRING PIN INDENT	.020 .022 .023 .023 6-4-07	DA
690	PACK	6-7-07	DA

Cco 93B

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 CO c 3/5 SFG(A)		B. LOCATION Ft. Campbell Ky 42223		C. UNIT IDENT CODE WHOGCO			
2. SERIAL NO. C6349121		3. NOUN NOMENCLATURE 7.62 Sniper Rifle M24		4. LINE NO. R95387		5. MODEL		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
								10. HOURS	
								11. MILES	
								12. ROUNDS	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)				
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☒ H Other					☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs) 5,300 Rnds Fired									
B. REMARKS W52 H095345 H245									
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 		24. RECEIVED BY							
JULIAN DATE		JULIAN DATE							

DA FORM 2407, AUG 88

EDITION OF MAY 81 MAY BE USED

RECEIPT COPY 1

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400108258

C 93B

MAINTENANCE REQUEST					PAGE NO.		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL		
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG					1		1		CSGLD - 1047(R1)		
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD		PD AUTHENTICATION		
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION <i>CO 3/5 SEC(A)</i>			B. LOCATION <i>H. Campbell K 47323</i>			C. UNIT IDENT CODE <i>WHCC CO</i>			
2. SERIAL NO. <i>1</i>		3. NOUN NOMENCLATURE <i>762 600 666 074</i>			4. LINE NO. <i>R4538</i>		5. MODEL		6. NATIONAL STOCK NUMBER <i>105-01-270 2156</i>		
7A. MAINTENANCE ACTIVITY <i>IMO</i>		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)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☒ H Other		☐ 008 Noisy		☐ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>5500 RND F-24</i>											
B. REMARKS <i>475245 H245</i>											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN	(3) MFR. CODE							
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST		K. TOTAL PARTS COST		
							\$		\$		
21. DELAY (Select One)					☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools		22. Data Transcribed				
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☒ C Salvaged	

DA FORM 2407, AUG 88

EDITION OF MAY 81 MAY BE USED

ORGANIZATION COPY 4

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400108259

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-30899

INITIAL JJM	CUSTOMER ORDER NO.	W/LEUPOLD 10X SCOPE				Scope 89-0655	
DATE RECEIVED 12/04/95	DATE OPENED 12/05/95	DATE CODE	SERIAL NUMBER C6349121	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO		
ACCESSORIES HARD CASE		SCOPE MNTS		SCOPE BASE			

FROM:

SHIP TO:

TRANSPORTATION OFFICE
FT CAMPBELL

KY 42223

TRANSPORTATION OFFICE
FT CAMPBELLKY
42223

CUST NO: 087942 C.O.D.L.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
GUN CONDITION					REPAIR CHARGE
☐ NEW					EXCISE
☐ LIGHTLY WORN					TAX
☐ WORN					INSURANCE
☐ VERY WORN					UPS
☐ UNREPAIRABLE					PARCEL POST
☐ MARRED					TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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			G1	D3	E5	F5
METAL			G2			
MAIN FAULT						

ARTS	COMMENTS				
Barrel 96003 Mag Spring 15677	Repowder Coat Trigger Guard DSSy Front & Rear Sight Bases Rezing Scope Base, Rings & Swivel Studs				
	Scope Sent back to Vendor to be Checked				
REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	C	C	C	C	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW	12/11/95	1/5/96	1/9/96	1/9/96	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400108260

M-24

New Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349121

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/21/95	
600	Proof		12/21/95	
607	Check Headspace		12/21/95	
610	Dis-assemble Gun		12/21/95	Ru
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/5/96	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/5/96	Ru
	C) Inspect Ejector Hole for Chamfer		1/5/96	Ru
	D) Oil Firing Pin Ass'y		1/5/96	Ru
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						1/9/96	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						1/9/96	RW
655	Final Inspection							
	A) Headspace						1/10/96	RW
	B) Trigger Pull	2.81	2.63	2.65	2.69	2.59	1/10/96	RW
	C) Function						1/10/96	RW
660	Pack							

Final Inspection

Sn: C6349121

DATE REC'D: 12/04/95

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Scope Assy.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Systems Case

☐ SCOPE CASE☐ IRON SIGHTS☐ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Comments:

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349121
7 Jan 1968

CENTROIDAL DISTANCES

0 TO 1	1.47725
1 TO 2	.674528
1 TO 3	1.17553
1 TO 4	.429516
1 TO 5	.4342

4
1
000

0
1

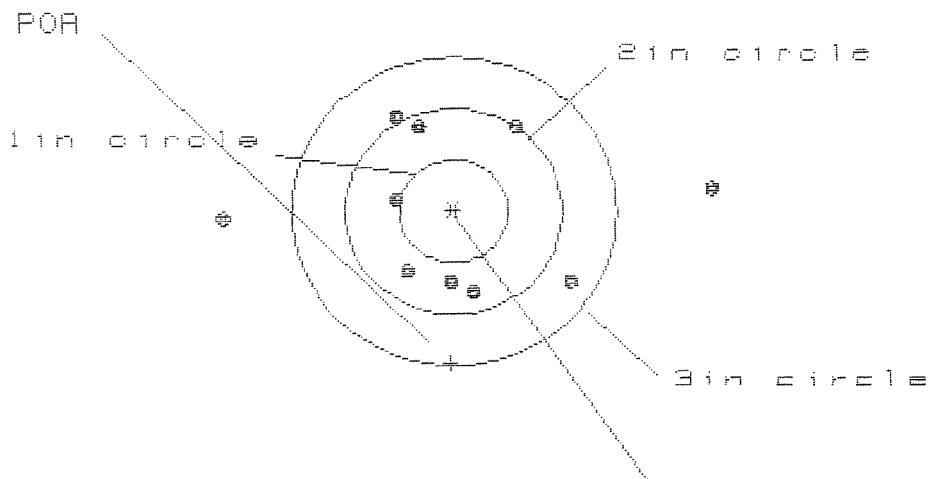
-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0338
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .9542
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .994774
THE AMS FOR THIS RIFLE IS: 1.07

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8348121.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

CENTROID #

IN CIR

1in = 0

2in = 6

3in = 8

HS= 4.557

VS= 1.737

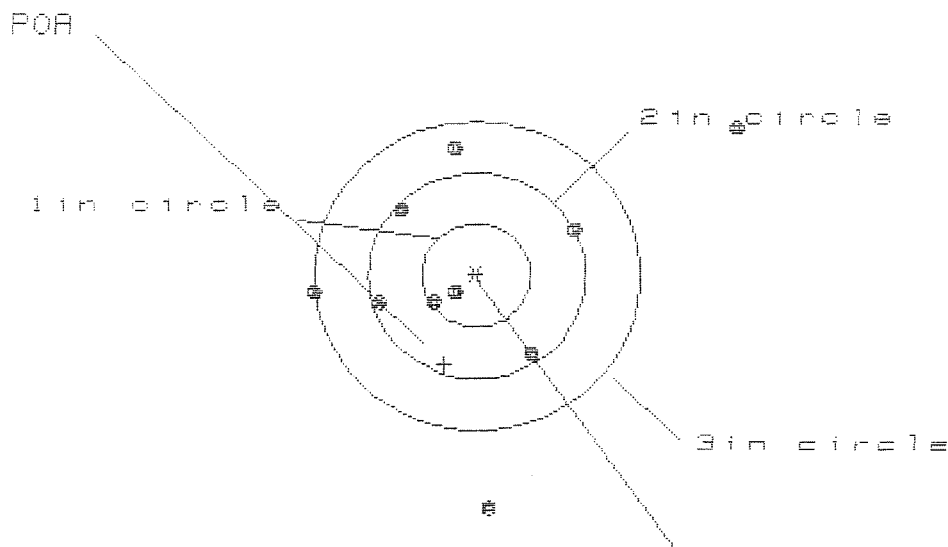
GS= 4.571

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.395	1.301	1.064
MINIMUM X	-2.162	-1.896	-.525
MAXIMUM Y	.913	.941	.933
MINIMUM Y	-.824	-.795	-.804
CENTROID X	.027	-.239	-.002
CENTROID Y	1.477	1.449	1.457
PORA TO CENTROID in.	1.478	1.468	1.457
MIN RADIUS	.574	.339	.552
MEAN RADIUS	1.156	.982	.869
MAX RADIUS	2.409	1.897	1.272
HORIZONTAL SPREAD	4.557	3.197	1.589
VERTICAL SPREAD	1.737	1.737	1.737
EXTREME SPREAD	4.571	3.256	2.253
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349121.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.948

VS= 3.649

GS= 4.322

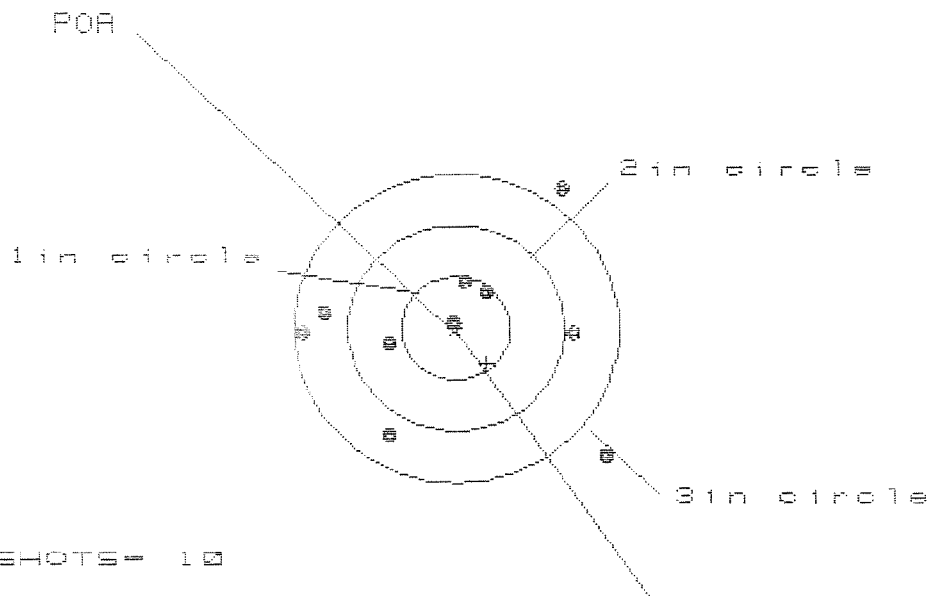
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.413	1.151	1.197
MINIMUM X	:	-1.535	-1.267	-1.221
MAXIMUM Y	:	1.432	1.417	1.160
MINIMUM Y	:	-2.217	-2.058	-1.871
CENTROID X	:	.295	.027	-.019
CENTROID Y	:	.858	.699	.956
POA TO CENTROID in.	:	.907	.699	.956
MIN RADIUS	:	.252	.061	.238
MEAN RADIUS	:	1.231	.976	.844
MAX RADIUS	:	2.806	2.090	1.250
HORIZONTAL SPREAD	:	3.948	2.418	2.418
VERTICAL SPREAD	:	3.649	3.475	2.031
EXTREME SPREAD	:	4.322	3.484	2.495
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Jan 1988

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.878

VS= 2.632

GS= 3.147

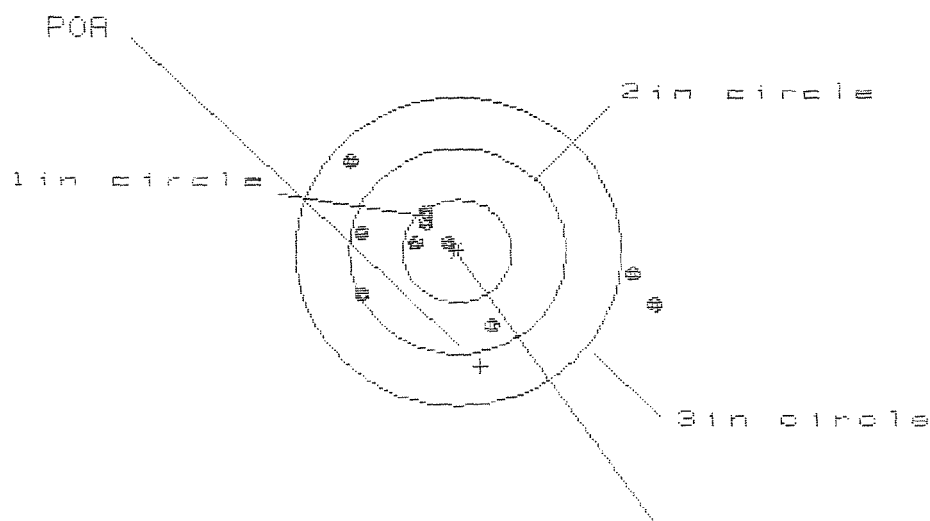
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.429	1.243	1.383
MINIMUM X	:	-1.450	-1.291	-1.151
MAXIMUM Y	:	1.366	1.225	.444
MINIMUM Y	:	-1.266	-1.181	-1.027
CENTROID X	:	-.279	-.438	-.578
CENTROID Y	:	.342	.483	.330
POA TO CENTROID in.	:	.442	.652	.665
MIN RADIUS	:	.018	.203	.302
MEAN RADIUS	:	1.013	.908	.814
MAX RADIUS	:	1.909	1.657	1.383
HORIZONTAL SPREAD	:	2.878	2.534	2.534
VERTICAL SPREAD	:	2.632	2.486	1.471
EXTREME SPREAD	:	3.147	2.883	2.534
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Jan 1988

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.843

VS= 1.599

GS= 3.175

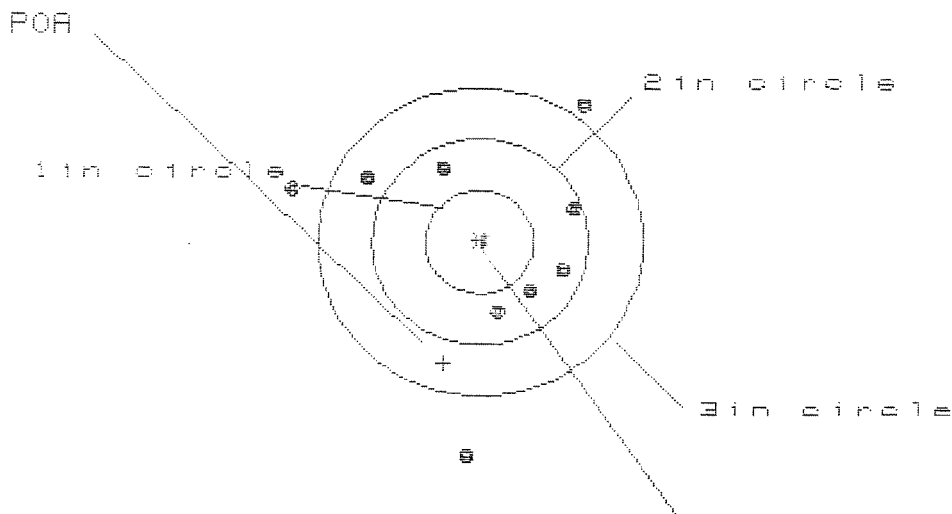
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.819	1.782	.765
MINIMUM X	-1.024	-.822	-.599
MAXIMUM Y	.888	.830	.880
MINIMUM Y	-.711	-.769	-.799
CENTROID X	-.212	-.414	-.637
CENTROID Y	1.120	1.178	1.288
POA TO CENTROID in.	1.140	1.249	1.365
MIN RADIUS	.882	.131	.075
MEAN RADIUS	.882	.701	.534
MAX RADIUS	1.893	1.798	1.106
HORIZONTAL SPREAD	2.843	2.604	1.364
VERTICAL SPREAD	1.599	1.599	1.599
EXTREME SPREAD	3.175	2.815	2.102
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08349121.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

HS= 2.657

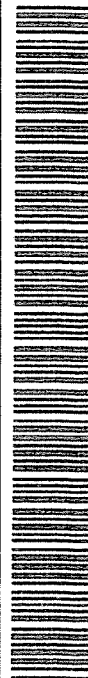
VS= 3.388

GS= 3.548

CENTROID *

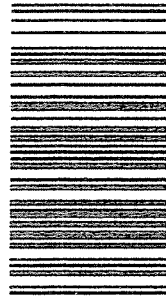
PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.946	.934	.719
MINIMUM X	-1.711	-1.723	-1.273
MAXIMUM Y	1.288	1.054	1.092
MINIMUM Y	-2.100	-.934	-.897
CENTROID X	.338	.350	.565
CENTROID Y	1.174	1.408	1.371
POA TO CENTROID in.	1.222	1.451	1.483
MIN RADIUS	.046	.247	.276
MEAN RADIUS	1.069	.964	.833
MAX RADIUS	2.103	1.749	1.344
HORIZONTAL SPREAD	2.657	2.657	1.992
VERTICAL SPREAD	3.388	1.333	1.000
EXTREME SPREAD	3.548	2.762	2.136
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	4		

Remington®		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ H24			SERIAL NO. C6349121	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		01	ORDER NO. 5716	



5716 C6349121

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349121

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		LS
617	Drill and Tap Sight Holes		4/4/90	KB
618	Polish Barrel RW		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	TA
	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		4/26/90	gsl

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/27/90	gll
	G) Safety Off Force	3	3	3			4/27/90	gll
	H) Trigger Pull Test & Retainability						4/26/90	gll
	I) Firing Pin Indent	.0205	.0205	.0205			4/27/90	gll
	J) Assemble Stock						4/30/90	RW
	K) Assemble Swivel Studs						5/10/90	WB
	L) Attach Front and Rear Sight Assemblies						4/30/90	RW
	M) Iron Sight Alignment						4/30/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/30/90	RW
	O) Attach Scope to Rifle						4/30/90	gll
	P) Detach & Attach Scope 20 Times						4/30/90	gll
640	Gallery Target & Test						4-30-90	DH
	A) Time						4-30-90	DH
	B) Malfunctions						4-30-90	DH
	C) Pierced Primers						4-30-90	DH
	D) Optical Clarity of Scope						4-30-90	DH
645	Inspect for Live Ammo						4-30-90	DH
655	Final Inspection						5/10/90	WB
	A) Headspace							
	B) Trigger Pull	2.34	2.34	2.32	2.33	2.36	5/10/90	WB
	C) Function						5/10/90	WB
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO 96349121

DATE 4/26/90

TESTER gll

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.55	2.51	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.51	2.52	2.34	
PULL #3	2.48	2.46	2.43	2.32	
PULL #4	2.48	2.50	2.50	2.33	
PULL #5	2.53	2.42	2.51	2.36	
TOTAL	12.62	12.44	12.47		
AVG.	2.524	2.488	2.494		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.25		
PULL #2	3.22	3.22		
PULL #3	3.26	3.26		
PULL #4	3.26	3.29		
PULL #5	3.22	3.24		
TOTAL	16.15	16.26		
AVG.	3.23	3.252		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.20		4.30
PULL #2	4.21	4.30		4.33
PULL #3	4.29	4.31		4.30
PULL #4	4.34	4.28		4.30
PULL #5	4.30	4.31		4.35
TOTAL	21.51	21.40		21.58
AVG.	4.302	4.28		4.316

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349121
1 May 1990

CENTROIDAL DISTANCES

0 TO 1	.549986
1 TO 2	.482917
1 TO 3	.751117
1 TO 4	.416454
1 TO 5	.262429

3 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .225
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .004
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .225036
THE AMR FOR THIS RIFLE IS: .8998

1 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349121

CENTERFIRE PATTERNS

1

FOR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

MEAN = 2.435

SS = 1.999

SE = 2.485

PATTERN #

:



SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.257

1.126

.565

MINIMUM X

:

-1.178

-1.785

-1.044

MAXIMUM Y

:

1.184

1.116

1.093

MINIMUM Y

:

-.815

-.883

-.986

CENTROID X

:

.519

.650

.500

CENTROID Y

:

-.182

-.113

-.090

FOR TO CENTROID in.

:

.550

.660

.517

MIN RADIUS

:

.376

.258

.281

MEAN RADIUS

:

.803

.739

.670

MAX RADIUS

:

1.329

1.141

1.137

HORIZONTAL SPREAD

:

2.435

1.911

1.149

VERTICAL SPREAD

:

1.999

1.999

1.999

EXTREME SPREAD

:

2.485

2.008

2.608

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

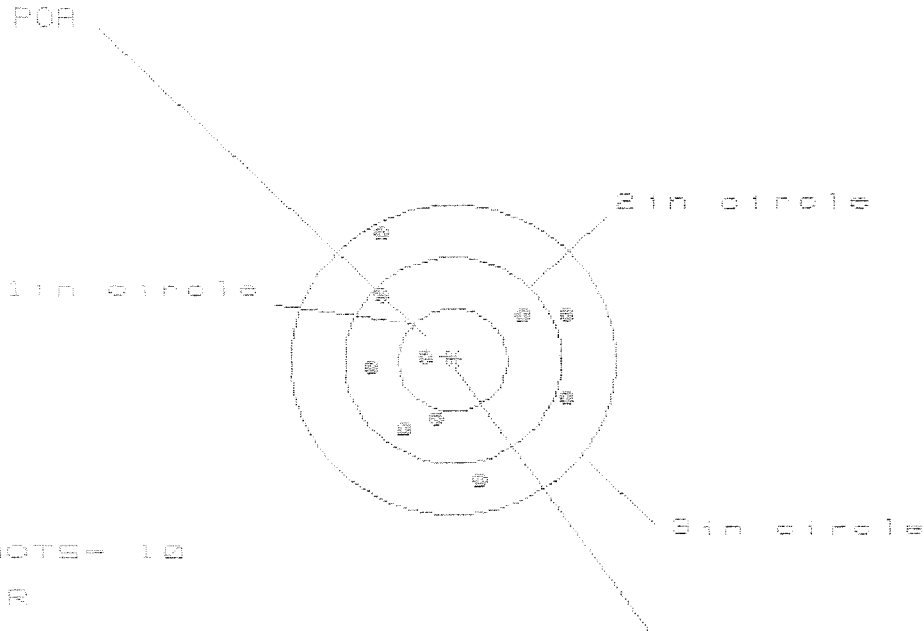
NUMBER IN THREE INCH CIRCLE =

10

1 May 1998

FILE://PATTERNS/CENTERFIRE_PATT/08348121

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

RS= 1.888

VS= 2.478

GS= 2.838

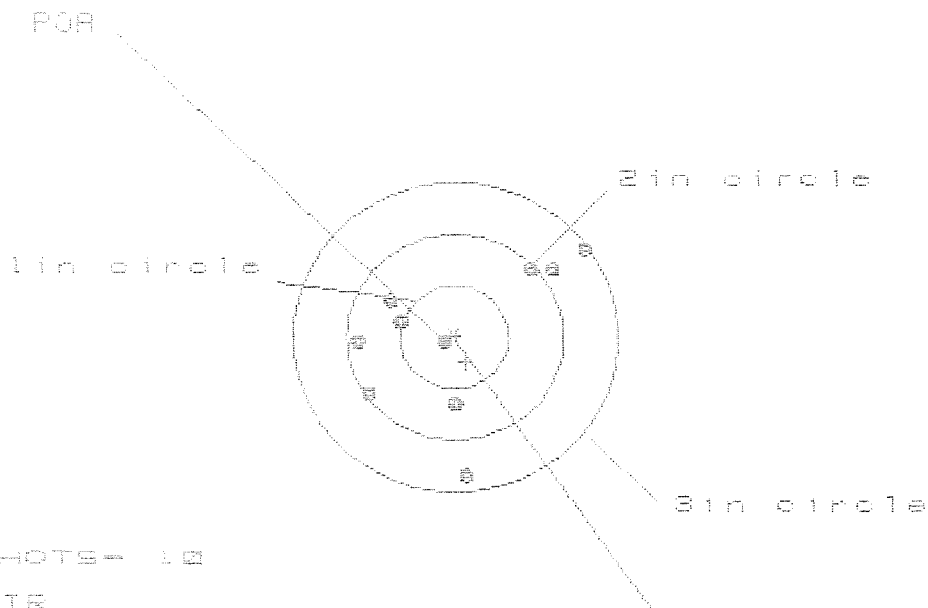
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.082	1.012	1.034
MINIMUM X	:	-.798	-.868	-.846
MAXIMUM Y	:	1.269	.746	.613
MINIMUM Y	:	-1.289	-1.068	-.639
CENTROID X	:	.059	.129	.107
CENTROID Y	:	-.035	-.176	-.043
POA TO CENTROID in.	:	.069	.219	.115
MIN RADIUS	:	.284	.381	.392
MEAN RADIUS	:	.913	.852	.816
MAX RADIUS	:	1.418	1.179	1.136
HORIZONTAL SPREAD	:	1.888	1.888	1.888
VERTICAL SPREAD	:	2.478	1.814	1.252
EXTREME SPREAD	:	2.638	2.029	1.976
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

1 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349121

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.086

VS= 2.198

GS= 2.435

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.164	1.066	1.095
MINIMUM X	-.922	-.793	-.764
MAXIMUM Y	.869	.773	.620
MINIMUM Y	-1.321	-1.225	-.691
CENTROID X	-.101	-.230	-.259
CENTROID Y	.242	.146	.299
POB TO CENTROID IN.	.263	.273	.396
MIN RADIUS	.124	.046	.165
MEAN RADIUS	.879	.779	.720
MAX RADIUS	1.452	1.317	1.258
HORIZONTAL SPREAD	2.086	1.859	1.859
VERTICAL SPREAD	2.198	1.998	1.311
EXTREME SPREAD	2.435	2.167	2.130
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

1 May 1998

FILE:\PATTERNING/CENTERFIRE_PATT\0634B121

CENTERFIRE PATTERNS

4

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

UB= 1.988

VB= 2.212

GB= 2.630

CENTROID #

PATTERN #

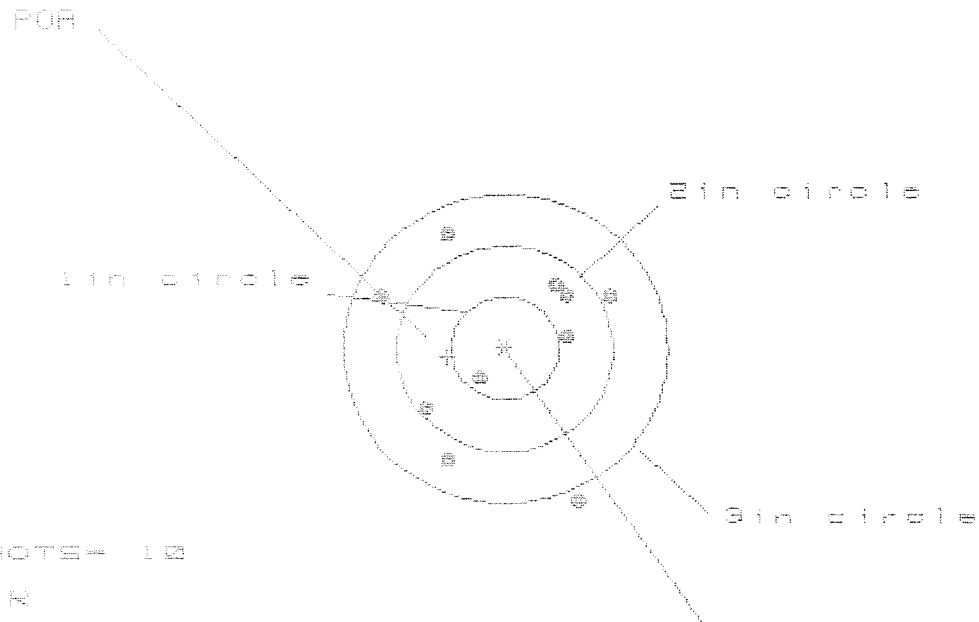
4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.936	.687	.569
MINIMUM X	:	-1.053	-.949	-1.000
MAXIMUM Y	:	.991	.855	.791
MINIMUM Y	:	-1.221	-.711	-.775
CENTROID X	:	.114	.010	.128
CENTROID Y	:	-.085	.051	.115
POB TO CENTROID in.	:	.142	.052	.173
MIN RADIUS	:	.266	.363	.268
MEAN RADIUS	:	.914	.844	.793
MAX RADIUS	:	1.539	1.080	1.035
HORIZONTAL SPREAD	:	1.989	1.636	1.569
VERTICAL SPREAD	:	2.212	1.566	1.566
EXTREME SPREAD	:	2.630	2.066	1.863
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

1 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08348121

CENTERFIRE PATTERNS # 5



OF SHOTS= 18

IN CIR

1in = 1

2in = 5

3in = 8

RS= 2.088

VS= 2.858

GS= 2.922

CENTROID *

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	1.060	.997
MINIMUM X	-1.107	-1.035	-1.099
MAXIMUM Y	1.149	.981	.569
MINIMUM Y	-1.509	-1.268	-1.145
CENTROID X	.534	.463	.526
CENTROID Y	.088	.248	.126
POA TO CENTROID in.	.540	.525	.541
MIN RADIUS	.375	.470	.403
MEAN RADIUS	.996	.909	.871
MAX RADIUS	1.638	1.352	1.263
HORIZONTAL SPREAD	2.096	2.096	2.096
VERTICAL SPREAD	2.658	2.249	1.715
EXTREME SPREAD	2.922	2.254	2.254
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	