

C6498732

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Stead
No. 2-152-51

Repair Number: RE00074629	Serial: C6498732 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS-Produced: 06/19/1990	Repairman:	Status: Closed 12/29/2003 10:37:41 AM
Verify/Repair			

Address Information

Customer:	Received From:	Return To:	Received From:
Name: HHC 3/327		HHC 3/327	
Address 1:			
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
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Contact Information Phone: Fax: Email: Comments:	Received Condition Fair Condition: Notes: CSR: Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Bases</td> <td>3</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Studs	3	A010	Hard Case	1	A017	Scope Bases	3	A026	Scope	1
Code	Desc	Qty															
A007	With Studs	3															
A010	Hard Case	1															
A017	Scope Bases	3															
A026	Scope	1															

Repair Search Refresh Close

ragletj 1/5/2004 3:06 AM CAPS NUM INS 3

start

Serial Number: **C6498732**
 Model: **700**

RE00074629

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

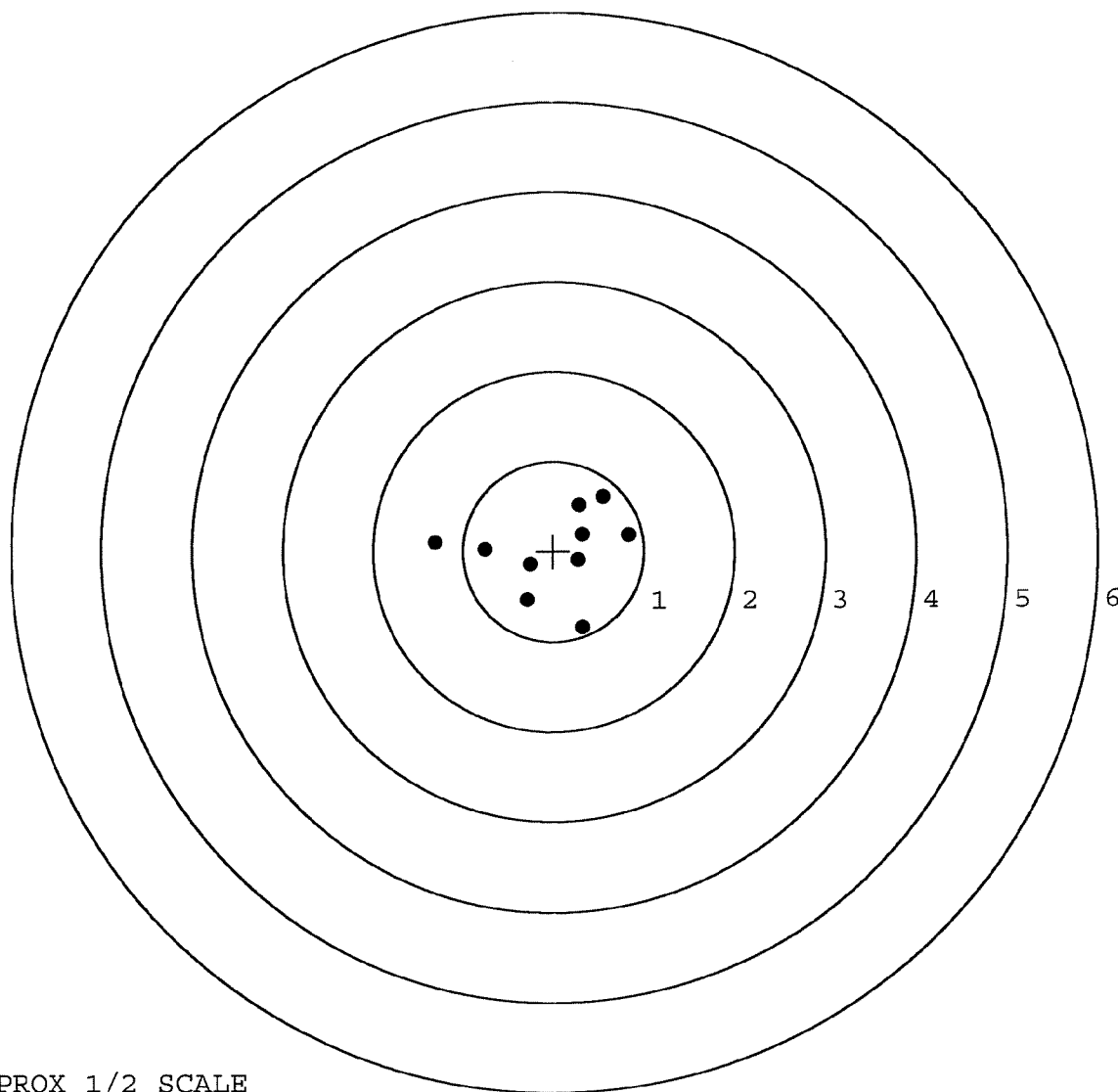
FIREARM SERIAL NUMBER / DATASET NAME: C6498732.___0

FILE DATE AND TIME: 01/23/2004 08:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.064
The Average Y Centroid of the Five Target Set:	0.075
The Average Point of Impact of the Five Target Set:	0.099
The Average Mean Radius of the Five Target Set:	0.571
The Distance from POA to Centroid Target #1:	0.004
The Distance from Centroid Target #2 to Centroid Target #1:	0.183
The Distance from Centroid Target #3 to Centroid Target #1:	0.079
The Distance from Centroid Target #4 to Centroid Target #1:	0.158
The Distance from Centroid Target #5 to Centroid Target #1:	0.214

SERIAL NUMBER: C6498732. __0	POINT#	X	Y
TARGET NUMBER: 1	1:	0.549	0.601
FILE DATE: 01/23/2004	2:	0.291	0.511
FILE TIME: 08:55	3:	0.829	0.180
	4:	0.324	0.183
X CENTROID: -0.002	5:	0.277	-0.101
Y CENTROID: -0.004	6:	-0.256	-0.148
POA TO CENTROID: 0.004	7:	-0.287	-0.545
HORZ SPREAD: 2.141	8:	0.324	-0.847
VERT SPREAD: 1.448	9:	-0.758	0.025
GROUP SPREAD: 2.142	10:	-1.312	0.103
MIN RADIUS: 0.292			
MAX RADIUS: 1.314			
MEAN RADIUS: 0.681			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			

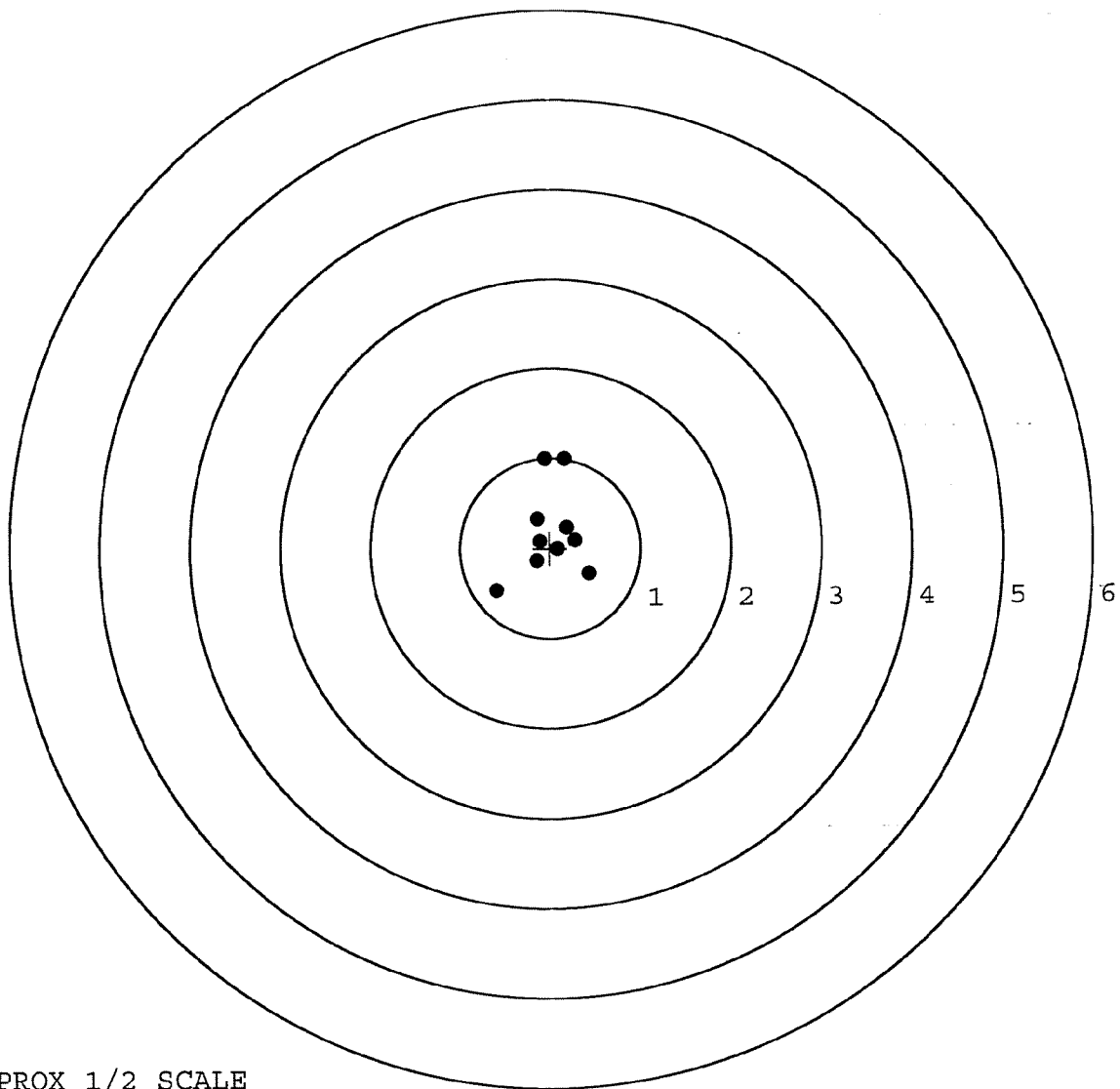


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498732. __0
 TARGET NUMBER: 2
 FILE DATE: 01/23/2004
 FILE TIME: 08:55

POINT#	X	Y
1:	-0.054	0.991
2:	0.162	0.987
3:	-0.600	-0.471
4:	0.432	-0.285
5:	-0.147	-0.143
6:	-0.143	0.321
7:	0.182	0.231
8:	0.275	0.093
9:	-0.118	0.077
10:	0.086	-0.012

X CENTROID: 0.008
 Y CENTROID: 0.179
 POA TO CENTROID: 0.179
 HORZ SPREAD: 1.032
 VERT SPREAD: 1.462
 GROUP SPREAD: 1.645
 MIN RADIUS: 0.162
 MAX RADIUS: 0.890
 MEAN RADIUS: 0.455
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

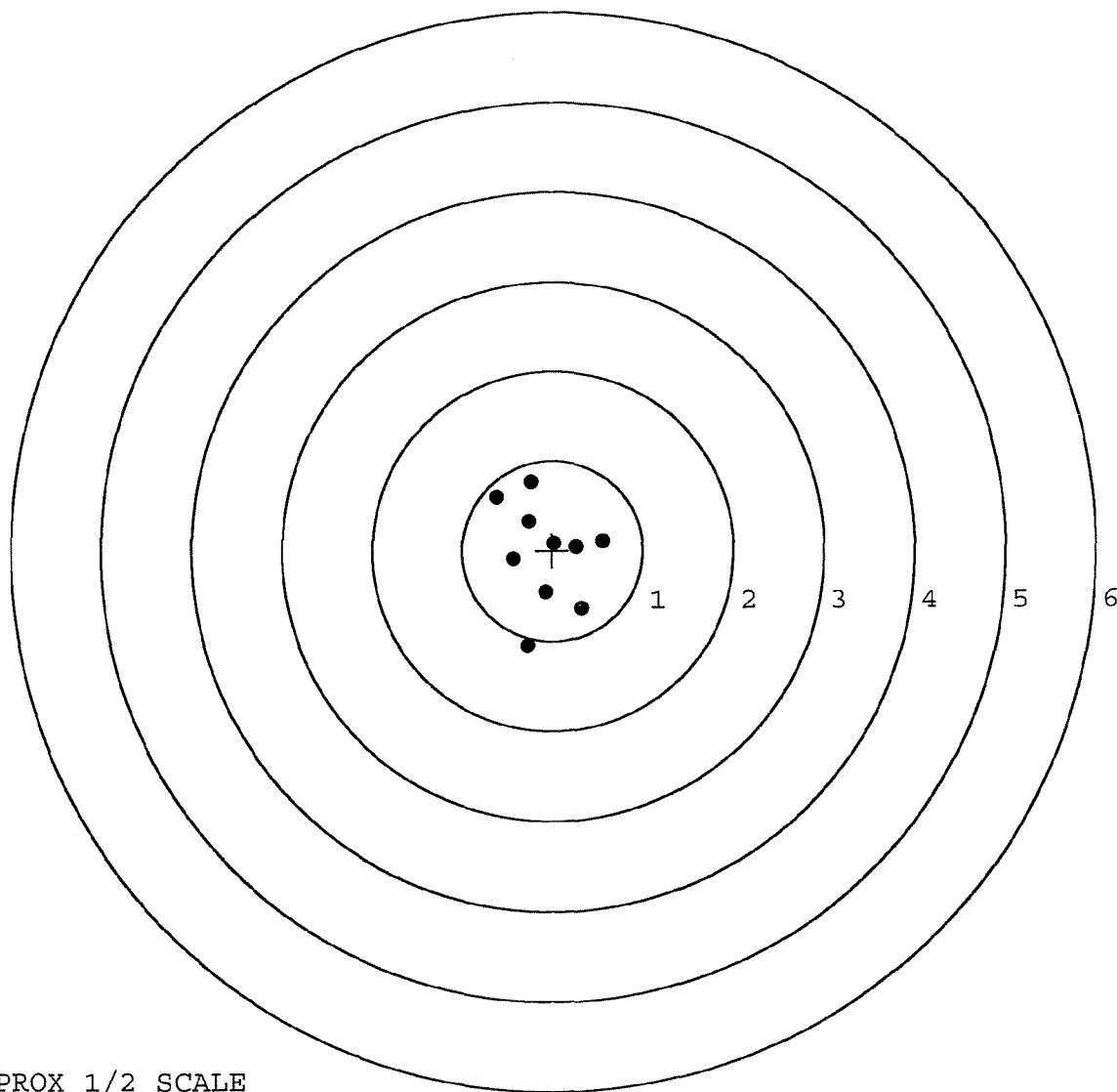


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498732. __0
 TARGET NUMBER: 3
 FILE DATE: 01/23/2004
 FILE TIME: 08:55

POINT#	X	Y
1:	-0.235	0.762
2:	-0.616	0.597
3:	-0.264	0.321
4:	0.555	0.102
5:	0.322	-0.645
6:	-0.279	-1.056
7:	-0.079	-0.465
8:	-0.431	-0.097
9:	0.022	0.074
10:	0.269	0.045

X CENTROID: -0.074
 Y CENTROID: -0.036
 POA TO CENTROID: 0.082
 HORZ SPREAD: 1.171
 VERT SPREAD: 1.818
 GROUP SPREAD: 1.819
 MIN RADIUS: 0.146
 MAX RADIUS: 1.040
 MEAN RADIUS: 0.575
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



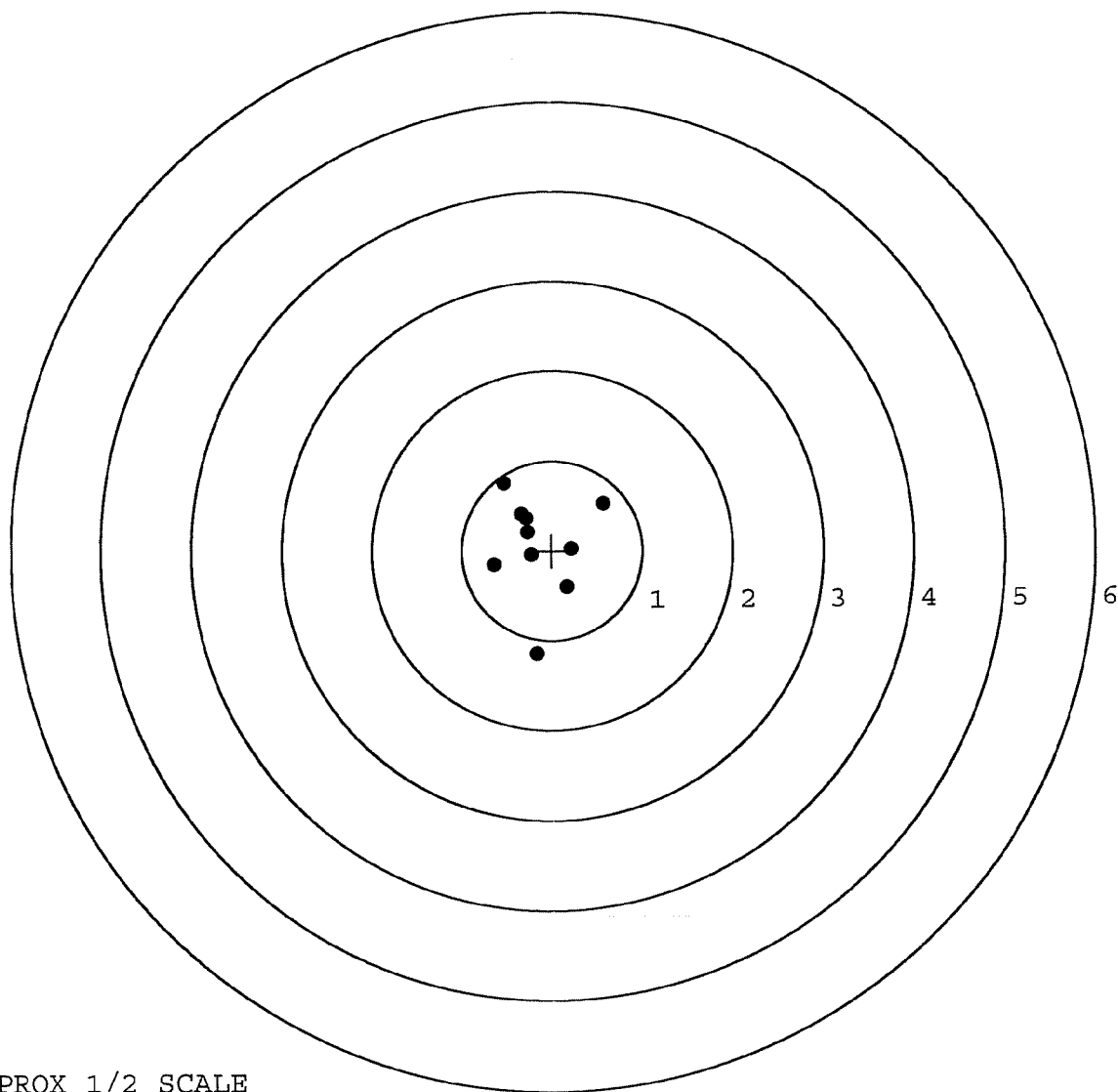
TARGET APPROX 1/2 SCALE

BARBER - M24 0006662

SERIAL NUMBER: C6498732. __0
 TARGET NUMBER: 4
 FILE DATE: 01/23/2004
 FILE TIME: 08:55

POINT#	X	Y
1:	0.570	0.524
2:	0.218	0.025
3:	0.173	-0.409
4:	-0.173	-1.156
5:	-0.644	-0.156
6:	-0.527	0.756
7:	-0.338	0.408
8:	-0.231	-0.047
9:	-0.281	0.360
10:	-0.268	0.207

X CENTROID: -0.150
 Y CENTROID: 0.051
 POA TO CENTROID: 0.159
 HORZ SPREAD: 1.214
 VERT SPREAD: 1.912
 GROUP SPREAD: 1.944
 MIN RADIUS: 0.127
 MAX RADIUS: 1.207
 MEAN RADIUS: 0.540
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



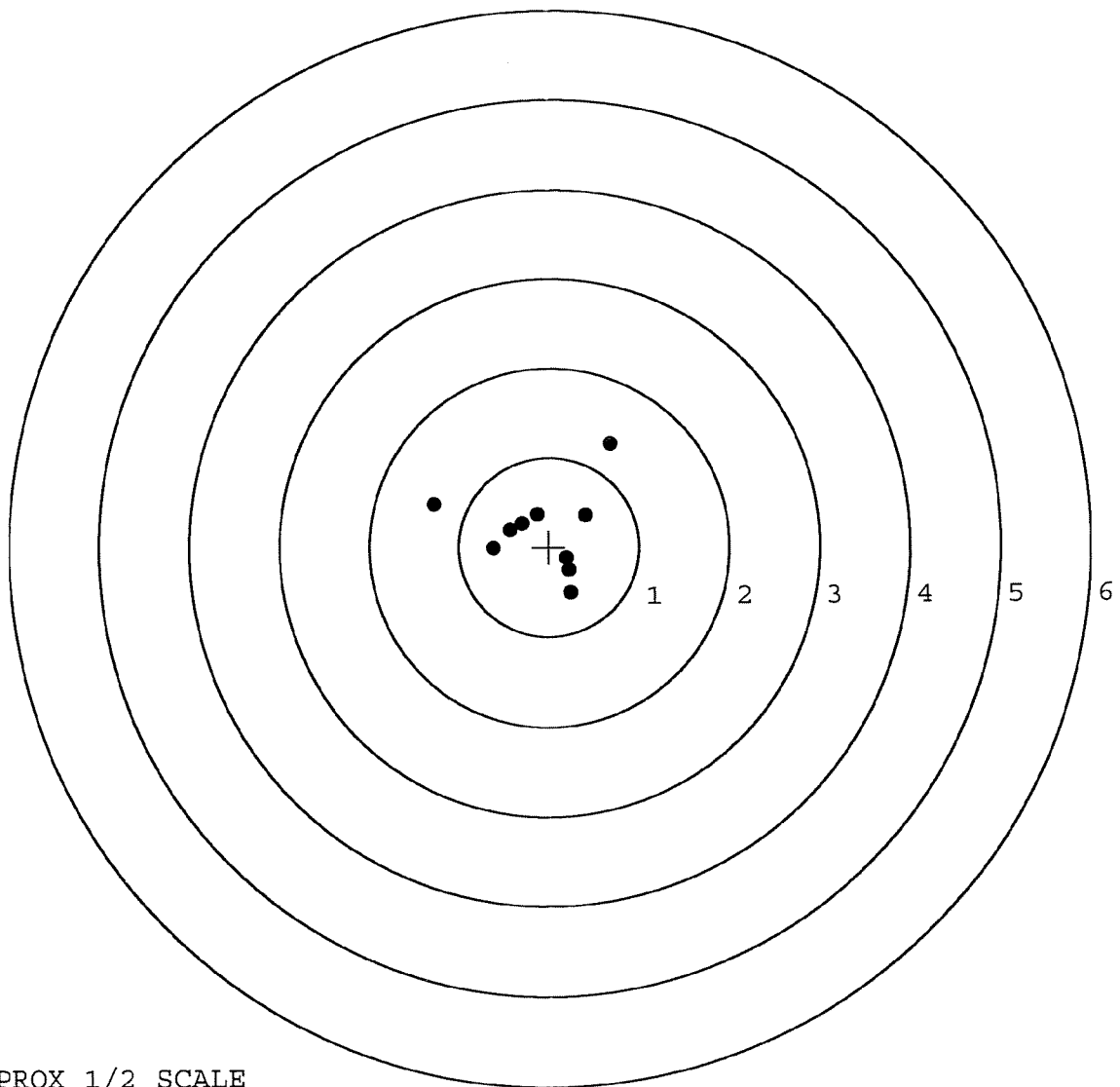
TARGET APPROX 1/2 SCALE

BARBER - M24 0006663

SERIAL NUMBER: C6498732. __0
 TARGET NUMBER: 5
 FILE DATE: 01/23/2004
 FILE TIME: 08:55

POINT#	X	Y
1:	0.685	1.150
2:	0.407	0.350
3:	0.197	-0.133
4:	0.225	-0.265
5:	0.240	-0.519
6:	-0.129	0.365
7:	-0.295	0.263
8:	-0.618	-0.016
9:	-1.279	0.480
10:	-0.432	0.188

X CENTROID: -0.100
 Y CENTROID: 0.186
 POA TO CENTROID: 0.211
 HORZ SPREAD: 1.964
 VERT SPREAD: 1.669
 GROUP SPREAD: 2.075
 MIN RADIUS: 0.181
 MAX RADIUS: 1.243
 MEAN RADIUS: 0.604
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	074629		
SERIAL NUMBER	C6498732		
LOG-IN DATE	12-29-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-5-04	RW
560 A	RE-BARREL	1-7-04	RTL
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE	1-8-04	RTL
600	PROOF	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	1-13-04	JB
618	ROTO-BLAST	1/13/2004	Dans
620	APPLY COATINGS	1-15	TA
625 A	FINAL ASSEMBLY	1-17-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-23-04	AK
655	FINAL INSPECT	1-27-04	RTL
660	PACK	1-27-04	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Bco 81A

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 X	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION Dco 315		B. LOCATION Ft. Campbell KY 42223			C. UNIT IDENT CODE WH0600		
2. SERIAL NO. C6998732		3. NOUN NOMENCLATURE 7.62mm Sniper Weapon M24		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER 1005-91-240-2136	
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL 0		8. UTILIZATION CODE 0		9A. MCSR ITEM		9B. ERC 008	
						9C. PACING ITEM 008		10. HOURS 258	
								11. MILES 387	
								12. ROUNDS 790	
								13. STARTS X	
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) 5,200 Rnds Fired									
B. REMARKS W 524095345#546									
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. Wilametz					24. RECEIVED BY				
JULIAN DATE					JULIAN DATE				

Bco 81A

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 X			
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION Dco 315		B. LOCATION Ft. Campbell KY 42223				C. UNIT IDENT CODE WH0600			
2. SERIAL NO. CG498732		3. NOUN NOMENCLATURE 7.62 mm Sniper Weapon M24		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER 1005-01-240-2136			
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL 0		8. UTILIZATION CODE 0		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 ☐ 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). 5200 Rnos Fired											
B. REMARKS W 524095345#546											
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)					22. Data Transcribed						
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools											
23. SUBMITTED BY Tony J Walanki		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY			
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE			
					28. DISPOSITION (Select One)						
					☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged						

RECÉI BARBER - EN24/0005667EPORT

COMMENTS

ORDER

R 95-30892

INITIAL	CUSTOMER ORDER NO.
JLH	

W/LEUPOLD 10X SCOPE

SCOPE 89-0992

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
12/01/95	12/05/95		C6498732		700 7.62 NATO
ACCESSORIES	HARD CASE	SCOPE MNTS	SCOPE BASE		

FROM:

SHIP TO:

TRANSPORTATION OFFICE
FT CAMPBELL KY 42223

TRANSPORTATION OFFICE
FT CAMPBELL KY
42223

CUST NO: 087942 C.D.L.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
----------------	--------------------	--------------------------------	------------	-----------	-----

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
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

PARTS

COMMENTS

Barrel 96003
Mag Spring - 15677

Re Powder Coat Trigger Guard
Assy Front & Rear Sight Bases
Reticle Scope Base, Rings &
Swivel Studs.

Scope sent back to Vendor
for me Checked

REPAIRMAN <i>AW</i>	PROOF <i>c</i>	CLEAN <i>c</i>	TEST <i>c</i>	TARGET <i>c</i>	PATTERN
GALLERY TESTER <i>AW</i>	DATE <i>12/21/95</i>	DATE <i>1/5/96</i>	DATE <i>1/9/96</i>	DATE <i>1/9/96</i>	DATE

RD6925 REV. 1/94

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0006887 06706

Final Inspection

Sn: C6498732

DATE REC'D: 12/04/95

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: _____

New Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498732

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/21/95	RW
600	Proof		12/21/95	RW
607	Check Headspace		12/21/95	RW
610	Dis-assemble Gun		12/21/95	RW
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	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/5/96	RW
	C) Inspect Ejector Hole for Chamfer		1/5/96	RW
	D) Oil Firing Pin Ass'y		1/5/96	RW
	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						1/10/96	Rw
	A) Headspace						1/10/96	Rw
	B) Trigger Pull	2.46	2.45	2.43	2.47	2.57	1/10/96	Rw
	C) Function						1/10/96	Rw
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498732
7 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.28134
1 TO	2	.432487
1 TO	3	.302523
1 TO	4	.176819
1 TO	5	.205507

0.000

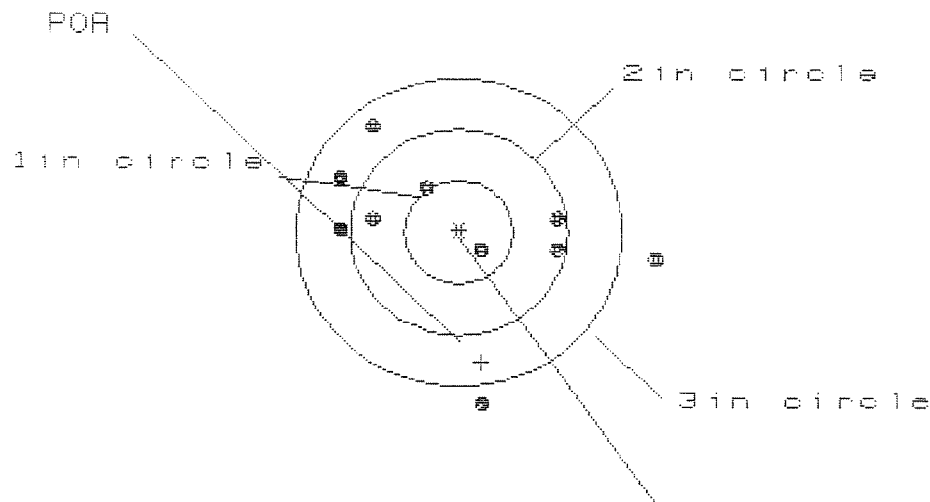
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1036
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.1712
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.17577
THE AMR FOR THIS RIFLE IS: 1.012

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498732

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.872

VS= 2.715

GS= 2.866

CENTROID *

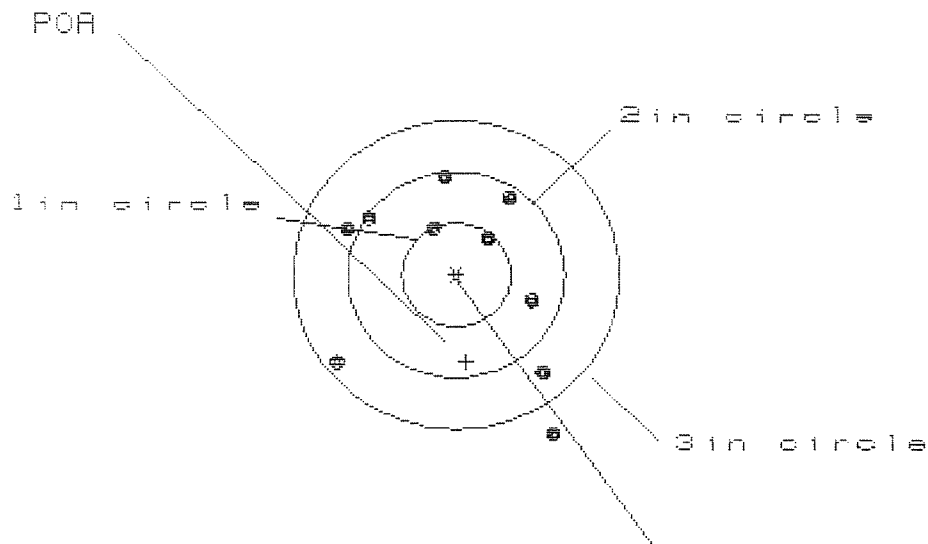
PATTERN # : 1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.764	1.111	1.155
MINIMUM X	-1.108	-.912	-.867
MAXIMUM Y	1.055	1.021	.810
MINIMUM Y	-1.660	-1.694	-.452
CENTROID X	-.204	-.400	-.445
CENTROID Y	1.265	1.299	1.510
POA TO CENTROID in.	1.281	1.359	1.574
MIN RADIUS	.308	.397	.180
MEAN RADIUS	1.049	.945	.809
MAX RADIUS	1.790	1.731	1.208
HORIZONTAL SPREAD	2.872	2.023	2.023
VERTICAL SPREAD	2.715	2.715	1.262
EXTREME SPREAD	2.966	2.863	2.097
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C849B732

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 2.028

VS= 2.477

GS= 2.800

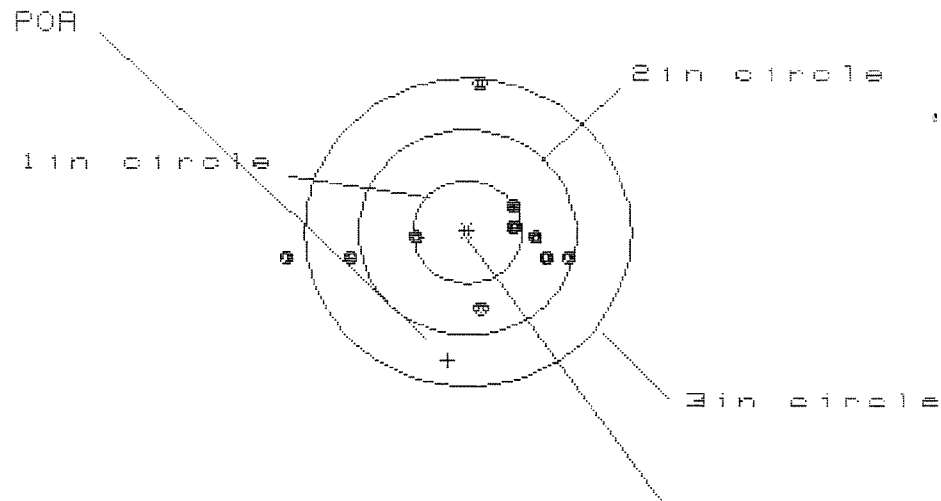
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.920	.895	.770
MINIMUM X	:	-1.108	-1.006	-1.057
MAXIMUM Y	:	.931	.759	.626
MINIMUM Y	:	-1.546	-1.075	-1.208
CENTROID X	:	-.093	-.195	-.070
CENTROID Y	:	.847	1.019	1.152
POA TO CENTROID in.	:	.852	1.037	1.154
MIN RADIUS	:	.501	.328	.296
MEAN RADIUS	:	1.014	.882	.766
MAX RADIUS	:	1.799	1.465	1.432
HORIZONTAL SPREAD	:	2.028	1.901	1.827
VERTICAL SPREAD	:	2.477	1.834	1.834
EXTREME SPREAD	:	2.800	2.311	2.279
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8498732

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 2.645

VS = 2.150

GS = 2.645

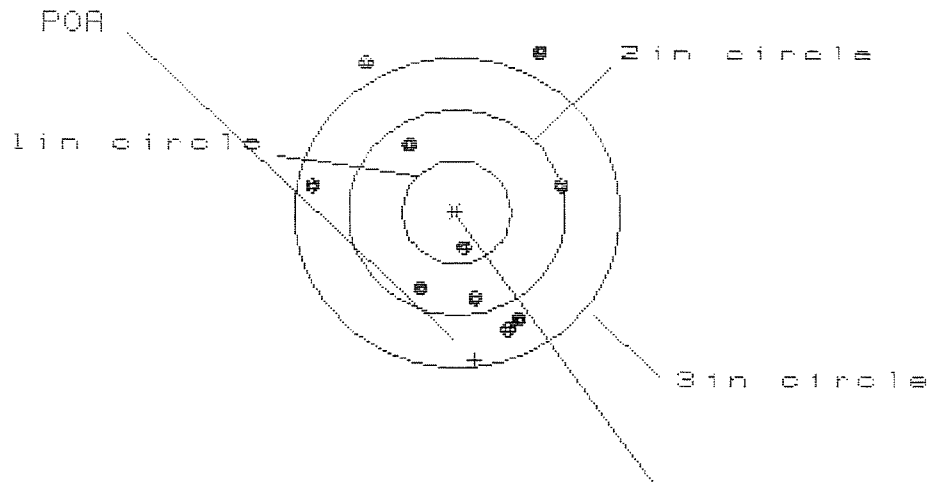
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.936	.746	.737
MINIMUM X	:	-1.709	-1.262	-1.271
MAXIMUM Y	:	1.406	1.381	.385
MINIMUM Y	:	-.744	-.769	-.596
CENTROID X	:	.178	.368	.377
CENTROID Y	:	1.245	1.270	1.097
POA TO CENTROID in.	:	1.257	1.322	1.160
MIN RADIUS	:	.440	.249	.318
MEAN RADIUS	:	.864	.712	.621
MAX RADIUS	:	1.724	1.383	1.273
HORIZONTAL SPREAD	:	2.645	2.008	2.008
VERTICAL SPREAD	:	2.150	2.150	.981
EXTREME SPREAD	:	2.645	2.150	2.008
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/0649B732

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

CENTROID #

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.287

VS = 2.666

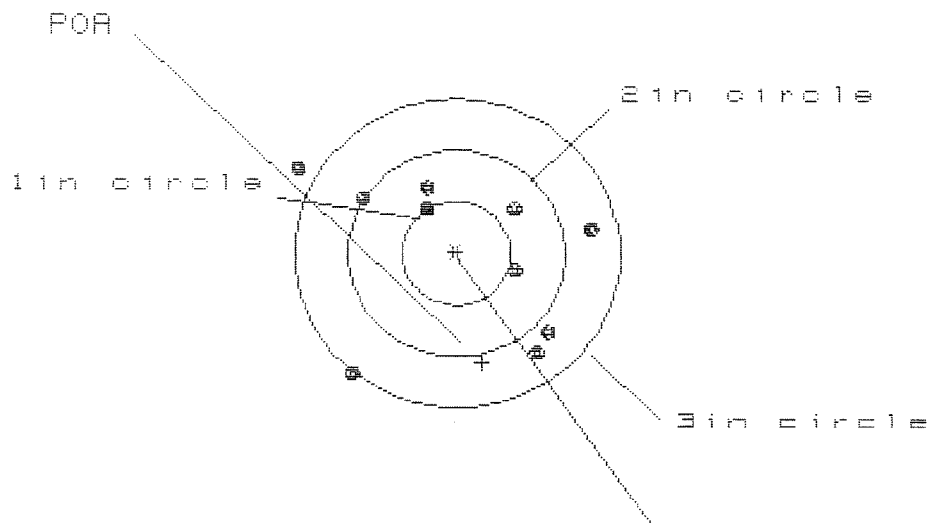
GS = 2.919

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.950	1.033	.942
MINIMUM X	:	-1.337	-1.254	-1.345
MAXIMUM Y	:	1.520	1.637	1.051
MINIMUM Y	:	-1.146	-.977	-.772
CENTROID X	:	-.163	-.247	-.155
CENTROID Y	:	1.437	1.268	1.063
POA TO CENTROID in.	:	1.446	1.291	1.074
MIN RADIUS	:	.342	.204	.037
MEAN RADIUS	:	1.103	.998	.829
MAX RADIUS	:	1.694	1.792	1.495
HORIZONTAL SPREAD	:	2.287	2.287	2.287
VERTICAL SPREAD	:	2.666	2.614	1.823
EXTREME SPREAD	:	2.919	2.919	2.316
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06498732

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in - 5

HS= 2.748

VS= 1.939

GS= 2.888

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.283
MINIMUM X	-1.465
MAXIMUM Y	.796
MINIMUM Y	-1.143
CENTROID X	-.236
CENTROID Y	1.062
POA TO CENTROID in.	1.088
MIN RADIUS	.494
MEAN RADIUS	1.031
MAX RADIUS	1.667
HORIZONTAL SPREAD	2.748
VERTICAL SPREAD	1.939
EXTREME SPREAD	2.888
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	5

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

SERIAL NO.
C6498732

ORDER NO.
5716

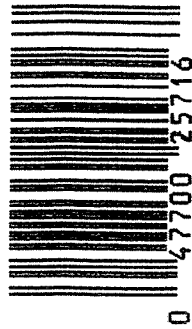
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5716 C6498732

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498732

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5. 2 90		RW
600	Proof	5 2 90		RW
607	Check Headspace	3. 3 80		RW
610	Dis-assemble Gun	5. 2 90		RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	CS
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel RB		5/10/90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/22/90	RM

BARBER - M24 0006679

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5 1/4			5/23/90	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			5/23/90	WB
	H) Trigger Pull Test & Retainability						5/23/90	GM
	I) Firing Pin Indent	.0235	.0235	.0235			5/23/90	WB
	J) Assemble Stock						5/24/90	RW
	K) Assemble Swivel Studs						5/24/90	RW
	L) Attach Front and Rear Sight Assemblies						5/24/90	RW
	M) Iron Sight Alignment						5/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/24/90	RW
	O) Attach Scope to Rifle						5/26/90	GM
	P) Detach & Attach Scope 20 Times						5/25/90	GM
640	Gallery Target & Test						5-29-90	AC
	A) Time						5-29-90	AC
	B) Malfunctions						5-29-90	AC
	C) Pierced Primers						5-29-90	AC
	D) Optical Clarity of Scope						5-29-90	AC
645	Inspect for Live Ammo						5-29-90	AC
655	Final Inspection						4/14/90	GM
	A) Headspace						6-6-90	JS
	B) Trigger Pull	288	280	283	287	291	6-6-90	JS
	C) Function						6-6-90	JS
660	Pack						6-20-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6498732DATE 5/23/90TESTER g2

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.46	2.49	2.88	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.31	2.49	2.80	
PULL #3	2.30	2.39	2.46	2.88	
PULL #4	2.39	2.34	2.39	2.87	
PULL #5	2.37	2.32	2.44	2.91	
TOTAL	11.70	11.82	12.27		
AVG.	2.34	2.364	2.454		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.21		
PULL #2	3.39	3.25		
PULL #3	3.51	3.27		
PULL #4	3.56	3.31		
PULL #5	3.40	3.28		
TOTAL	17.31	16.32		
AVG.	3.462	3.264		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.44		4.36
PULL #2	4.45	4.45		4.47
PULL #3	4.59	4.51		4.52
PULL #4	4.42	4.31		4.48
PULL #5	4.46	4.37		4.10
TOTAL	22.37	22.08		21.92
AVG.	4.474	4.416		4.384

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498732
30 May 1990

CENTROIDAL DISTANCES

0 TO 1	.254002
1 TO 2	.597443
1 TO 3	.510662
1 TO 4	.339329
1 TO 5	.406602

mu

-----POA

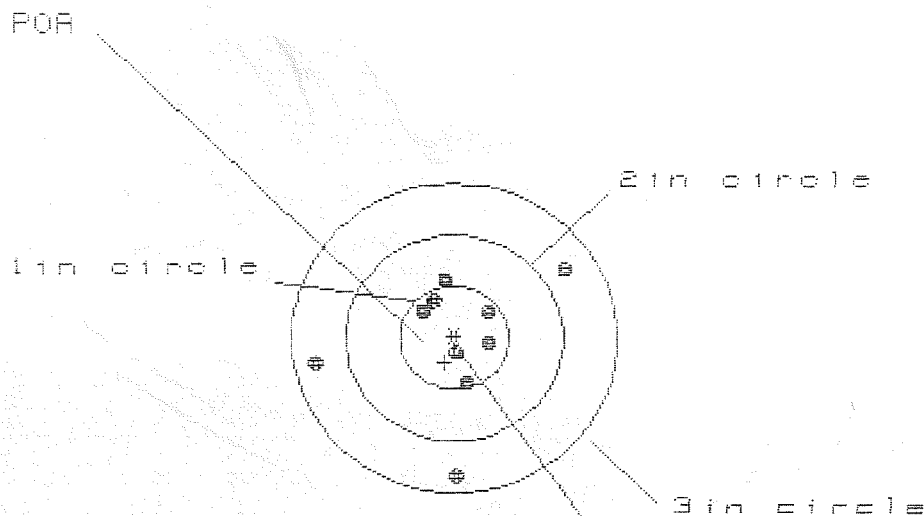
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .057
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1256
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .137929

THE AMR FOR THIS RIFLE IS: .8712

25 May 1936

FILE:/PATTERNING/CENTERFIRE_PATT/C6498732

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 6

2in = 7

3in = 10

HS= 2.301

VS= 2.032

GS= 2.490

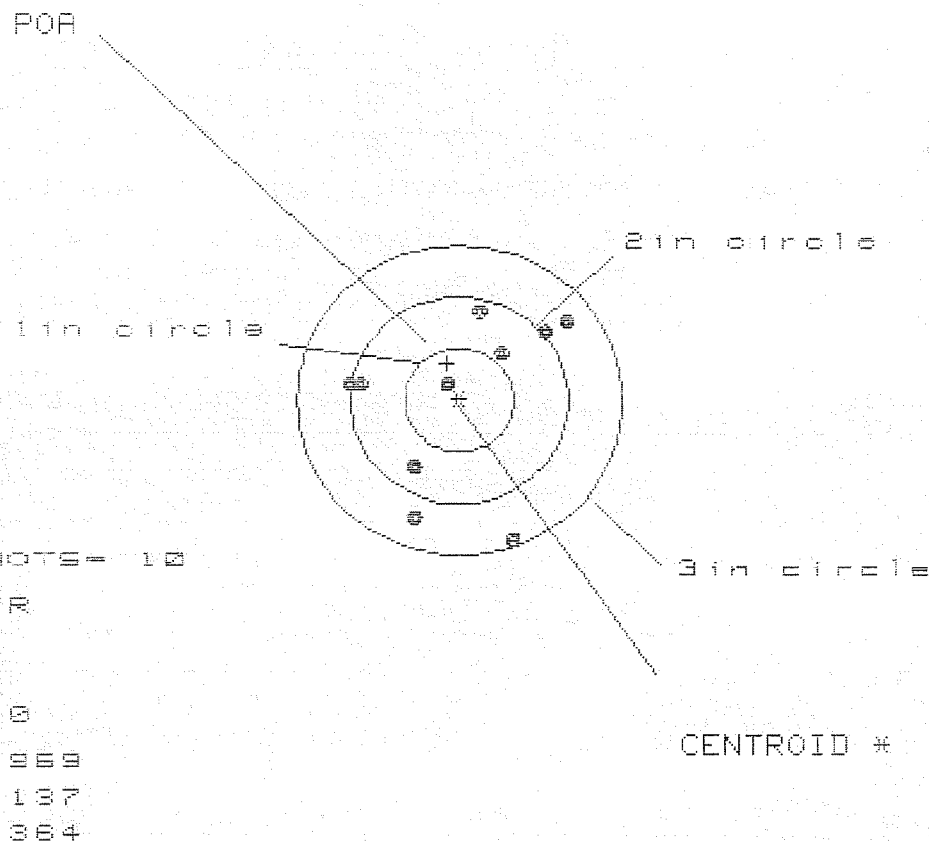
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.025	1.032	.874
MINIMUM X	-1.276	-1.269	-.413
MAXIMUM Y	.704	.556	.506
MINIMUM Y	-1.329	-.555	-.605
CENTROID X	.086	.079	.237
CENTROID Y	.239	.387	.436
POR TO CENTROID in.	.254	.395	.497
MIN RADIUS	.127	.258	.136
MEAN RADIUS	.650	.561	.458
MAX RADIUS	1.330	1.329	1.010
HORIZONTAL SPREAD	2.301	2.301	1.287
VERTICAL SPREAD	2.032	1.111	1.111
EXTREME SPREAD	2.490	2.490	1.427
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B732

CENTERFIRE PATTERNS # 2



PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.954	1.007	.964
MINIMUM X	:	-1.015	-.962	-1.005
MAXIMUM Y	:	.836	.691	.527
MINIMUM Y	:	-1.301	-1.310	-.974
CENTROID X	:	.109	.056	.099
CENTROID Y	:	-.358	-.213	-.049
POA TO CENTROID in.	:	.374	.220	.111
MIN RADIUS	:	.169	.072	.219
MEAN RADIUS	:	.920	.839	.764
MAX RADIUS	:	1.386	1.354	1.071
HORIZONTAL SPREAD	:	1.969	1.969	1.969
VERTICAL SPREAD	:	2.137	2.001	1.501
EXTREME SPREAD	:	2.364	2.364	2.067
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6496732

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 2

3in = 8

HS = 3.093

VS = 2.289

GS = 3.196

CENTROID #

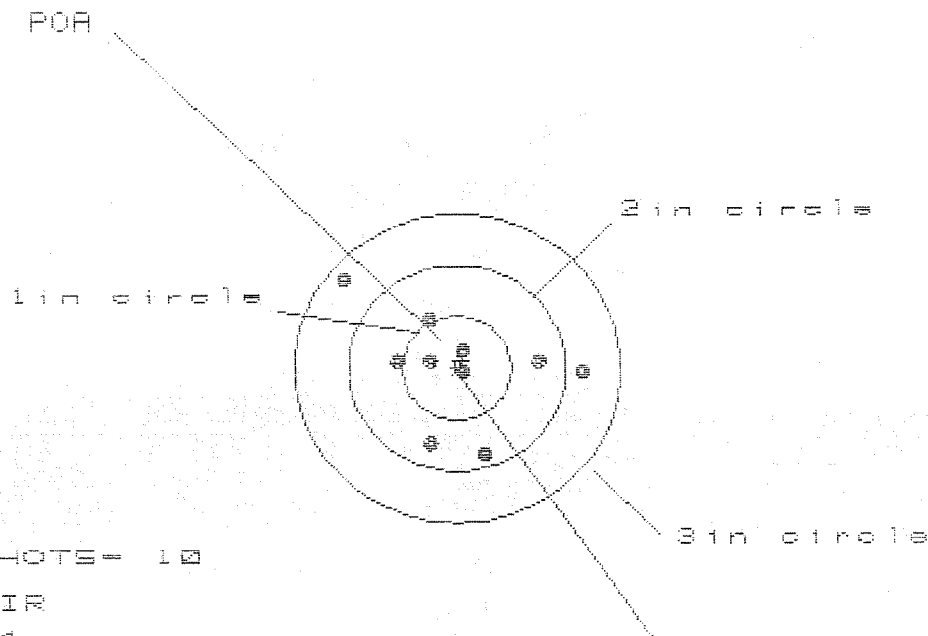
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.356	1.183
MINIMUM X	:	-1.556	-1.385	-1.226
MAXIMUM Y	:	1.131	1.230	1.287
MINIMUM Y	:	-1.158	-1.033	-.976
CENTROID X	:	.060	-.111	.063
CENTROID Y	:	-.271	-.396	-.453
POA TO CENTROID in.	:	.277	.411	.457
MIN RADIUS	:	.579	.571	.713
MEAN RADIUS	:	1.227	1.130	1.082
MAX RADIUS	:	1.908	1.470	1.342
HORIZONTAL SPREAD	:	3.093	2.741	2.408
VERTICAL SPREAD	:	2.289	2.263	2.263
EXTREME SPREAD	:	3.196	2.743	2.505
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

29 May 1980

FILE:/PATTERNING/CENTERFIRE_PATT/08498732

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HE= 2.176

VS= 1.632

GS= 2.357

CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.120	1.003	.726
MINIMUM X	-1.056	-.692	-.567
MAXIMUM Y	.832	.519	.521
MINIMUM Y	-.800	-.708	-.706
CENTROID X	-.052	.065	-.060
CENTROID Y	-.071	-.163	-.165
POA TO CENTROID in.	.088	.175	.176
MIN RADIUS	.085	.080	.117
MEAN RADIUS	.636	.570	.499
MAX RADIUS	1.344	1.003	.768
HORIZONTAL SPREAD	2.176	1.695	1.293
VERTICAL SPREAD	1.632	1.227	1.227
EXTREME SPREAD	2.357	1.703	1.330
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

25 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CS498732

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.825

VS = 1.669

GS = 3.033

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.789	1.314	1.218
MINIMUM X	:	-1.036	-.838	-.576
MAXIMUM Y	:	.910	.850	.914
MINIMUM Y	:	-.759	-.819	-.755
CENTROID X	:	.082	-.117	-.012
CENTROID Y	:	-.167	-.107	-.171
POA TO CENTROID in.	:	.186	.159	.171
MIN RADIUS	:	.315	.149	.221
MEAN RADIUS	:	.923	.763	.750
MAX RADIUS	:	1.867	1.324	1.213
HORIZONTAL SPREAD	:	2.825	2.152	1.785
VERTICAL SPREAD	:	1.669	1.669	1.669
EXTREME SPREAD	:	3.033	2.253	1.866
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	