

C6498848

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



C-6498848

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00007794** Serial: **CG498848 Model 700 Center Fire Caliber 7.62 NATO M-24 (SW/S)** Repairman: Status: **Closed 4/10/00 8:25 04 AM**

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **ATTN:AFZB-DL-T0, BLDG.873** **ATTN:AFZB-DL-T0, BLDG.873**

Address 2: **PO Box** **PO Box**

City: **FORT CAMPBELL** **FORT CAMPBELL**

State: **KY** Zip Code: **422231294** Country: **US** State: **KY** Zip Code: **422231294** Country: **US**

FFL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone: **502 798 7154**

Fax:

Email:

Comments:

Received Condition

Fail:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A010	Hard Case	1
A017	Scope Base	1
Z001	SWIVEL STUDS	2

Repair Search **Refresh** **Close**

nagleli 4/10/00 9:55 AM CAPS NUM INS SCPL

Start Micr Inb Nag Expl SA Expl Part Ar... Pri... 9:55 AM

BBL - 96003
Stock - 96018
Front Sight Base - 96011
EXtractor 91816

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6498848
12 Jun 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0176
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4916
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .491915

THE AMR FOR THIS RIFLE IS: 1.043

CENTROIDAL DISTANCES

0 TO 1	.52923
1 TO 2	.658062
1 TO 3	.224377
1 TO 4	.051788
1 TO 5	.890174

+ <----POA
2 3 4
5

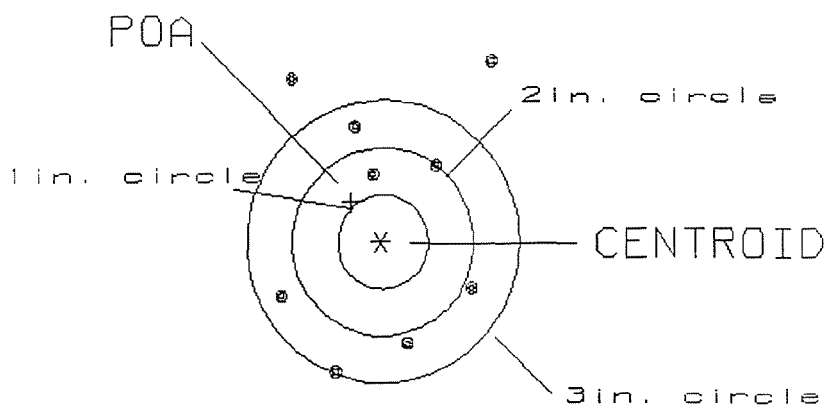
PATTERN #: 1

POA TO CENTROID: .529
 MIN RADIUS : .682
 MEAN RADIUS : 1.497
 MAX RADIUS : 2.847
 CENTROID X : .322
 CENTROID Y : -.420

12 Jun 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6498848.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.38

0

US= 4.74

1

GS= 4.91

7

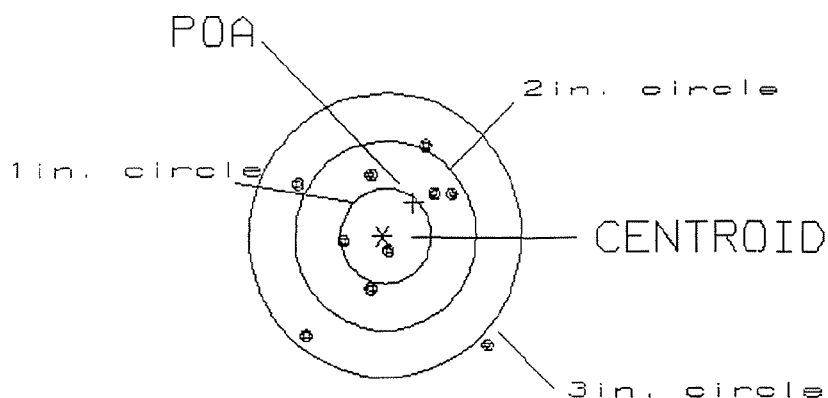
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .480
 MIN RADIUS : .167
 MEAN RADIUS : .855
 MAX RADIUS : 1.595
 CENTROID X : -.332
 CENTROID Y : -.347

12 Jun 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6498848.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.11
 VS= 2.08
 GS= 2.71

1
 6
 9

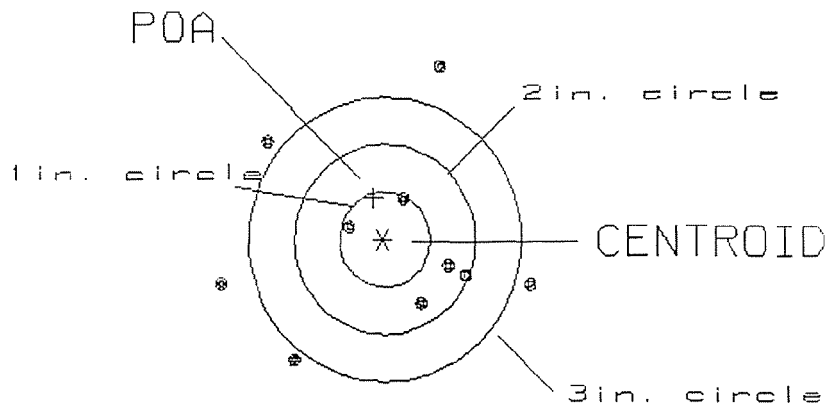
PATTERN #: 3

POA TO CENTROID: .444
 MIN RADIUS : .458
 MEAN RADIUS : 1.220
 MAX RADIUS : 1.964
 CENTROID X : .098
 CENTROID Y : -.433

12 Jun 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6498848.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.37
 VS= 3.16
 GS= 3.55

1
 5
 5

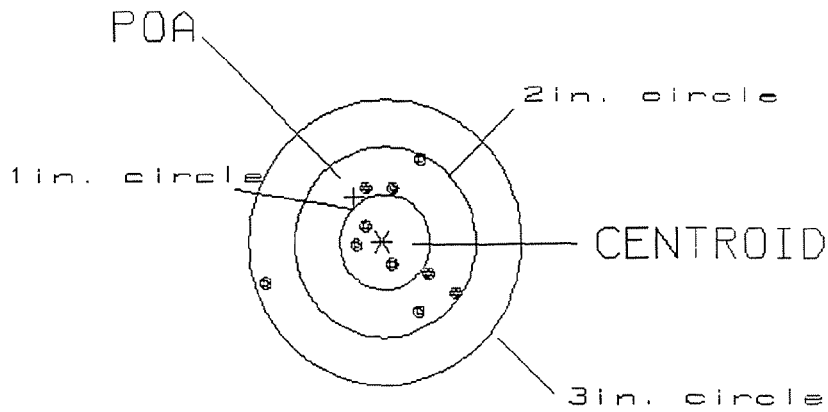
PATTERN #: 4

POA TO CENTROID: .565
 MIN RADIUS : .235
 MEAN RADIUS : .676
 MAX RADIUS : 1.427
 CENTROID X : .313
 CENTROID Y : -.471

12 Jun 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6498848.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.11
 VS= 1.60
 GS= 2.18

3
 9
 10

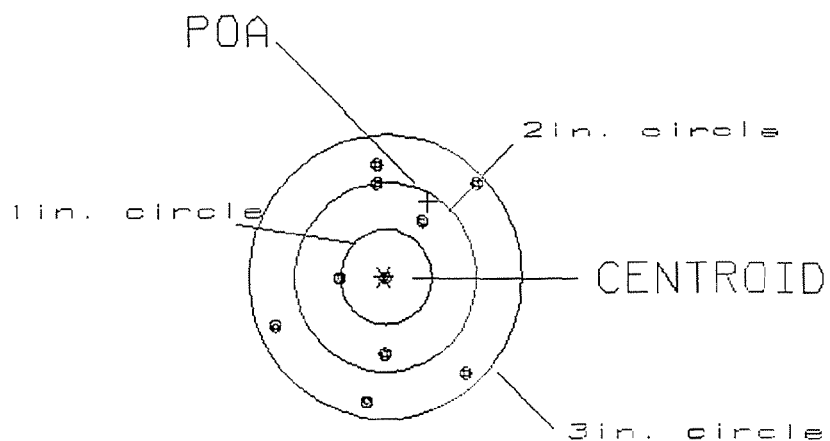
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .926
 MIN RADIUS : .042
 MEAN RADIUS : .968
 MAX RADIUS : 1.399
 CENTROID X : -.489
 CENTROID Y : -.787

12 Jun 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6498848.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.20

1

VS= 2.46

5

GS= 2.68

10

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

R & E NUMBER

SERIAL NUMBER

LOG-IN DATE

[illegible]

Final Inspection

S.N: C6498848

DATE REC'D: 3-31-00

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:

74 A

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 A co 315 SFG		B. LOCATION Ft. Campbell KY 42223			C. UNIT IDENT CODE WH06A0																				
2. SERIAL NO. C6498448		3. NOUN NOMENCLATURE 7.62 Sniper Rifle M24		4. LINE NO. R95387		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)										15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)																	
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating		☐ 790 Out of Adjustment		☐ B Handling		☐ D Normal Op		☐ F Inspection		☒ H Other		☐ 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) 5,000 Rnd Fired																											
B. REMARKS W 524095345 H 245																											
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																									

CEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-30903

CUSTOMER ORDER NO.

W/LEUPOLD 10X SCOPE

SCOPE 89-0986

RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
04/95	12/05/95		C6498848		700 7.62 NATO
SERIES HARD CASE SCOPE MNTS SCOPE BASE					

SHIP TO:

TRANSPORTATION OFFICE
FT CAMPBELL

KY 42223

TRANSPORTATION OFFICE
FT CAMPBELL

KY
42223

CUST NO: 087942 C.O.D.L

INT NUMBER	ACCOUNT NUMBER N/C	PROM. DATE	ESTIMATED	VIA
				UPS

CONDITION	REPAIR CHARGE
W	EXCISE
SLIGHTLY WORN	TAX
DRN	INSURANCE
SLIGHTLY WORN	UPS
REPAIRABLE	PARCEL POST
REPAIRED	TOTAL

COMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
E	A	B1				
GROUP		B2			E1	F1
ASSY.		B3			E2	F2
EL ASSY.		B4		D1	E3	F3
ASSY.		B5		D2	E4	F4
			C1	D3	E5	F5
			C2			
AULT						

COMMENTS

Barrel - 96003

Repowder Coat Trigger Guard
ASSY Front & Rear Sight Bases
Rezinol 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	12/21/95	1/5/96	1/9/96	1/9/96	

OFFICE COPY

RD6925 REV. 1/84

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008918

Final Inspection

Sn: C6498848

DATE REC'D: 12/04/96

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 # CG498848

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/31/95	RW
600	Proof		12/31/95	RW
607	Check Headspace		12/31/95	RW
610	Dis-assemble Gun		12/31/95	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							
	A) Headspace						1/12/96	RW
	B) Trigger Pull	2.40	2.34	2.50	2.49	2.40	1/10/96	RW
	C) Function						1/10/96	RW
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498848
7 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	1.29665
1 TO	2	.24499
1 TO	3	.404148
1 TO	4	.29111
1 TO	5	.296503

3
2
1
0

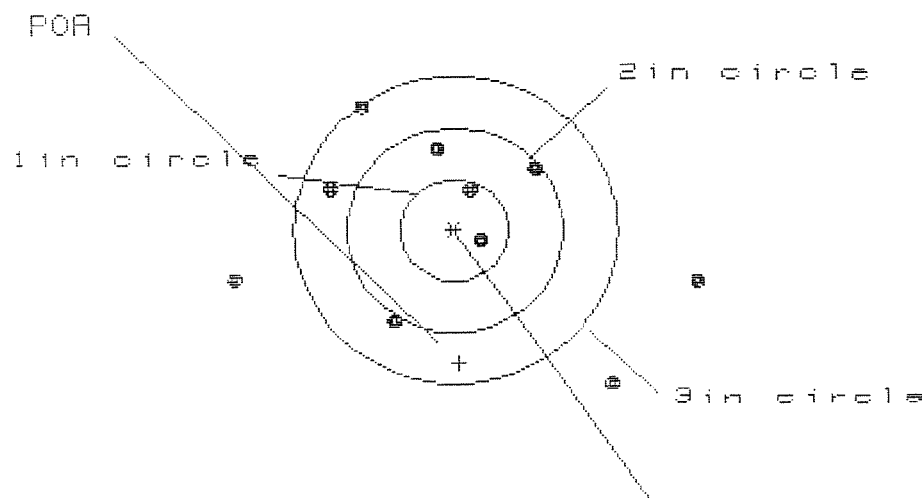
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.2956
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.29751
THE AMR FOR THIS RIFLE IS: 1.109

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498848

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 4.279

VS= 2.676

GS= 4.279

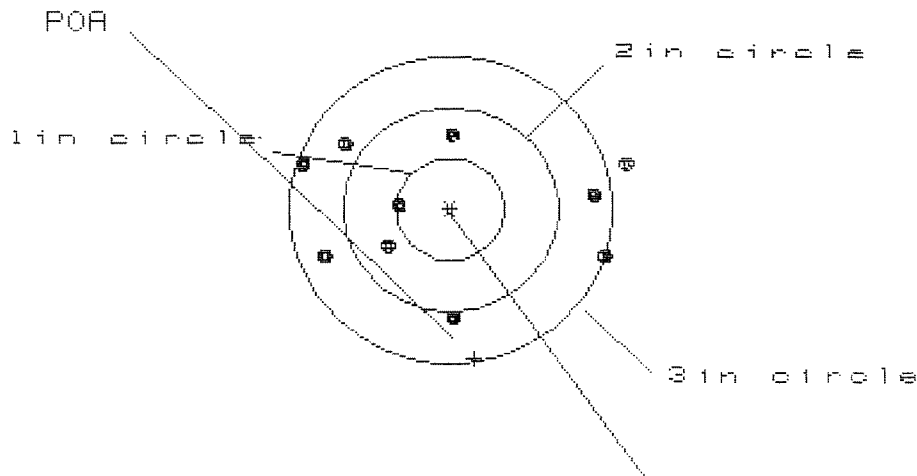
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.192	1.713	1.483
MINIMUM X	-2.087	-1.844	-1.104
MAXIMUM Y	1.217	1.167	1.097
MINIMUM Y	-1.459	-1.509	-1.579
CENTROID X	-.041	-.284	-.054
CENTROID Y	1.296	1.346	1.416
POA TO CENTROID in.	1.297	1.376	1.417
MIN RADIUS	.230	.473	.314
MEAN RADIUS	1.262	1.152	1.010
MAX RADIUS	2.237	2.283	2.166
HORIZONTAL SPREAD	4.279	3.557	2.587
VERTICAL SPREAD	2.676	2.676	2.676
EXTREME SPREAD	4.279	3.682	3.567
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/0649B848

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

CENTROID #

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.043

VS= 1.815

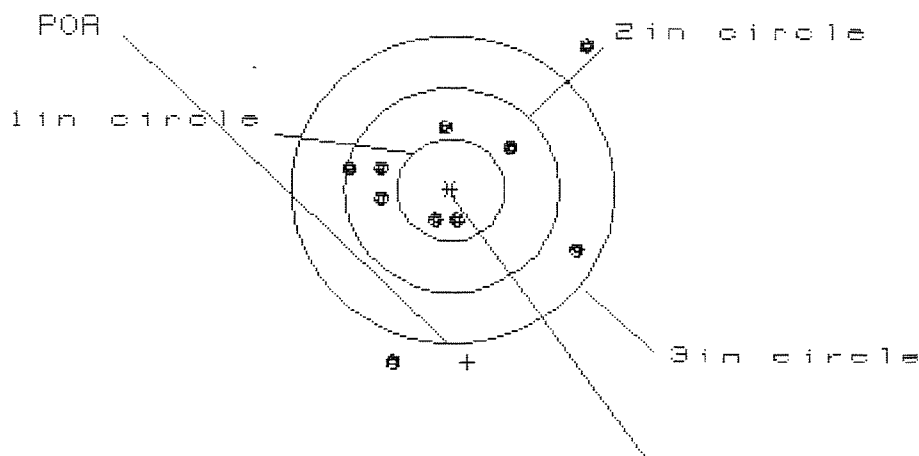
GS= 3.043

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.663	1.583	1.433
MINIMUM X	:	-1.380	-1.195	-1.128
MAXIMUM Y	:	.710	.761	.827
MINIMUM Y	:	-1.105	-1.054	-.988
CENTROID X	:	-.223	-.408	-.258
CENTROID Y	:	1.460	1.409	1.343
POA TO CENTROID in.:	:	1.477	1.466	1.367
MIN RADIUS	:	.427	.250	.411
MEAN RADIUS	:	1.125	1.013	.998
MAX RADIUS	:	1.726	1.623	1.463
HORIZONTAL SPREAD	:	3.043	2.778	2.561
VERTICAL SPREAD	:	1.815	1.815	1.815
EXTREME SPREAD	:	3.043	2.916	2.562
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8498848

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.279

VS= 3.082

GS= 3.561

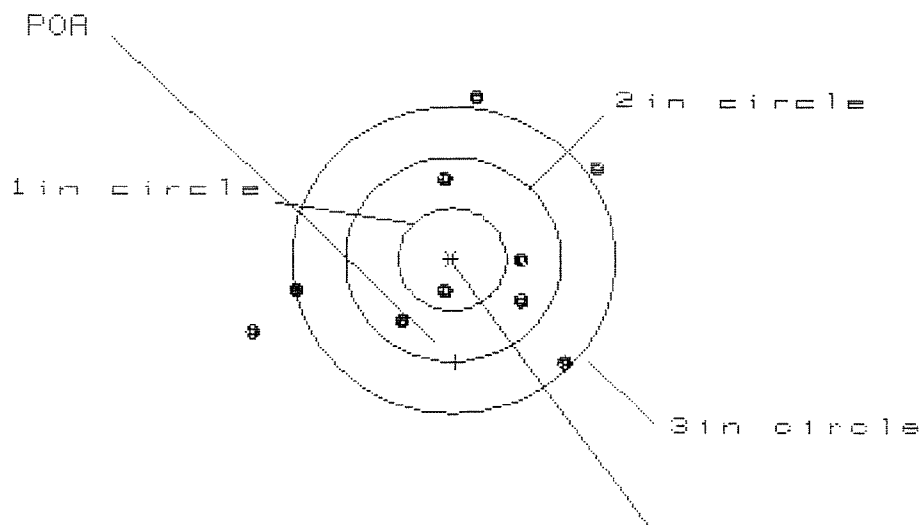
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.280	1.319	1.273
MINIMUM X	:	-.999	-.857	-.982
MAXIMUM Y	:	1.415	.779	.590
MINIMUM Y	:	-1.667	-1.510	-.587
CENTROID X	:	-.147	-.289	-.243
CENTROID Y	:	1.686	1.529	1.718
POA TO CENTROID in.	:	1.692	1.556	1.735
MIN RADIUS	:	.290	.173	.351
MEAN RADIUS	:	.936	.798	.701
MAX RADIUS	:	1.908	1.553	1.402
HORIZONTAL SPREAD	:	2.279	2.176	2.176
VERTICAL SPREAD	:	3.082	2.289	1.177
EXTREME SPREAD	:	3.561	2.342	2.304
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498848

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 3.156

VS= 2.618

GS= 3.540

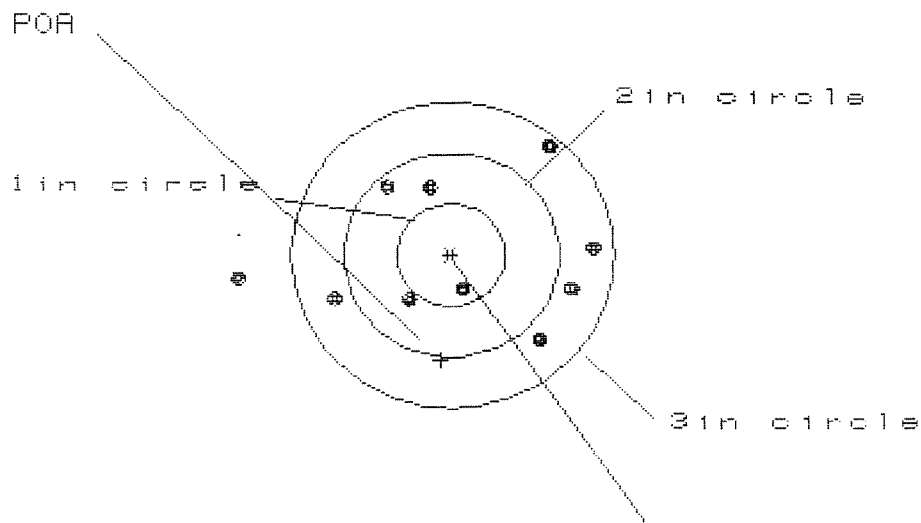
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.314	1.109	1.107
MINIMUM X	:	-1.842	-1.688	-1.690
MAXIMUM Y	:	1.582	1.503	1.007
MINIMUM Y	:	-1.036	-1.115	-.927
CENTROID X	:	-.033	.172	.174
CENTROID Y	:	1.005	1.084	.896
POA TO CENTROID in.	:	1.006	1.097	.912
MIN RADIUS	:	.332	.452	.354
MEAN RADIUS	:	1.135	1.023	.935
MAX RADIUS	:	1.973	1.721	1.697
HORIZONTAL SPREAD	:	3.156	2.797	2.797
VERTICAL SPREAD	:	2.618	2.618	1.934
EXTREME SPREAD	:	3.540	3.027	3.027
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			6	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C643B848

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 3.381

VS= 1.920

GS= 3.394

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.346	1.120	1.205
MINIMUM X	-2.035	-1.323	-1.238
MAXIMUM Y	1.039	1.018	.822
MINIMUM Y	-.881	-.902	-.775
CENTROID X	.092	.318	.233
CENTROID Y	1.031	1.052	.925
POA TO CENTROID in.	1.035	1.099	.954
MIN RADIUS	.311	.318	.176
MEAN RADIUS	1.088	.973	.916
MAX RADIUS	2.044	1.387	1.272
HORIZONTAL SPREAD	3.381	2.443	2.443
VERTICAL SPREAD	1.920	1.920	1.597
EXTREME SPREAD	3.394	2.493	2.493
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		




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

MODEL 700™

H24

SERIAL NO.
C6498848

ORDER NO.
5716

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

Ø1

UPC



0 47700 25716 7



5716 C6498848

~~1A~~ ~~203~~
M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498848

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-9		CS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-90	GU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			6/4/90	WB
	G) Safety Off Force	2 2 3/4	2 3/4	2 3/4			6/4/90	WB
	H) Trigger Pull Test & Retainability						6-4-90	JL
	I) Firing Pin Indent	.025	.0245	.0245			6/4/90	WB
	J) Assemble Stock						6/7/90	RW
	K) Assemble Swivel Studs						6/15/90	JL
	L) Attach Front and Rear Sight Assemblies						6/7/90	RW
	M) Iron Sight Alignment						6/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/7/90	RW
	O) Attach Scope to Rifle						6/7/90	WB
	P) Detach & Attach Scope 20 Times						6/7/90	WB
640	Gallery Target & Test						6-8-90	AC
	A) Time						6-8-90	AC
	B) Malfunctions						6-8-90	AC
	C) Pierced Primers						6-8-90	AC
	D) Optical Clarity of Scope						6-8-90	AC
645	Inspect for Live Ammo						6-8-90	AC
655	Final Inspection							
	A) Headspace						6/15/90	JL
	B) Trigger Pull	2.73	2.76	2.49	2.58	2.58	6/14/90	JL
	C) Function						6/15/90	JL
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. C6498848

DATE 6-4-90

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.13	2.47	2.35	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.30	2.40	2.76	
PULL #3	2.41	2.47	2.33	2.49	
PULL #4	2.41	2.50	2.31	2.58	
PULL #5	2.54	2.31	2.42	2.58	
TOTAL	11.93	12.05	11.81		
AVG.	2.386	2.41	2.362		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.45		
PULL #2	3.41	3.44		
PULL #3	3.46	3.20		
PULL #4	3.50	3.28		
PULL #5	3.42	3.07		
TOTAL	17.26	16.44		
AVG.	3.452	3.288		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.21		4.35
PULL #2	4.19	3.90		4.24
PULL #3	4.02	4.34		4.35
PULL #4	4.14	4.23		4.48
PULL #5	4.00	4.39		4.46
TOTAL	20.50	21.07		21.88
AVG.	4.1	4.214		4.376

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498848
8 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.256205
1 TO	2	.275182
1 TO	3	.288189
1 TO	4	.10139
1 TO	5	.0636318

4 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1034
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.057
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .11807
THE AMR FOR THIS RIFLE IS: .7478

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C643B848

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.875

VS= 2.030

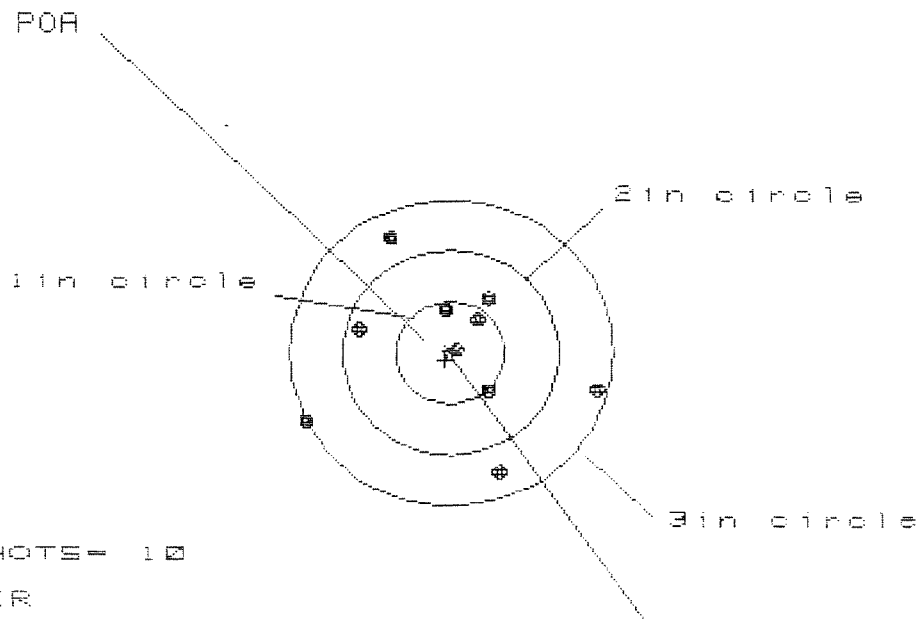
ES= 2.142

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.812	.683	.647
MINIMUM X	-1.163	-.545	-.581
MAXIMUM Y	1.094	1.155	.619
MINIMUM Y	-.936	-.875	-.731
CENTROID X	.204	.333	.369
CENTROID Y	-.155	-.216	-.360
POA TO CENTROID in.	.256	.397	.516
MIN RADIUS	.024	.115	.252
MEAN RADIUS	.678	.621	.559
MAX RADIUS	1.286	1.190	.849
HORIZONTAL SPREAD	1.975	1.228	1.228
VERTICAL SPREAD	2.030	2.030	1.350
EXTREME SPREAD	2.142	2.033	1.459
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS43B848

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.594

VS= 2.283

GS= 2.717

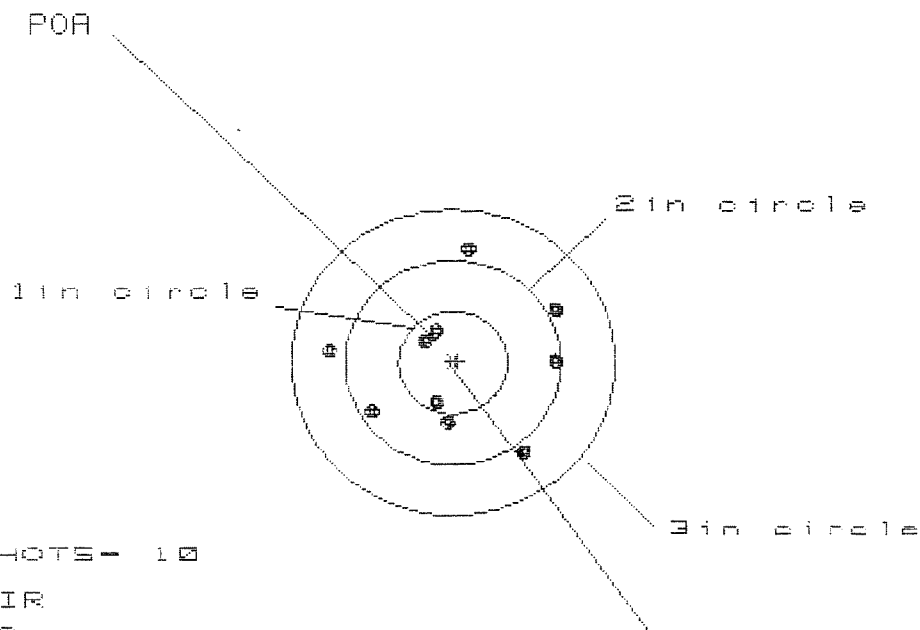
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.332	1.180	.431
MINIMUM X	:	-1.362	-.960	-.812
MAXIMUM Y	:	1.107	1.032	.981
MINIMUM Y	:	-1.176	-1.251	-1.302
CENTROID X	:	.047	.199	.051
CENTROID Y	:	.071	.146	.197
POA TO CENTROID in.	:	.085	.247	.203
MIN RADIUS	:	.067	.104	.125
MEAN RADIUS	:	.826	.722	.650
MAX RADIUS	:	1.523	1.283	1.371
HORIZONTAL SPREAD	:	2.694	2.140	1.243
VERTICAL SPREAD	:	2.283	2.283	2.283
EXTREME SPREAD	:	2.717	2.475	2.475
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498848

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.080

VS = 1.968

GS = 2.115

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.917	.788	.852
MINIMUM X	-1.163	-.904	-.840
MAXIMUM Y	1.080	1.095	.986
MINIMUM Y	-.889	-.873	-.667
CENTROID X	-.049	.080	.016
CENTROID Y	-.017	-.033	.077
POA TO CENTROID in.	.052	.086	.078
MIN RADIUS	.368	.465	.339
MEAN RADIUS	.798	.763	.717
MAX RADIUS	1.171	1.095	1.011
HORIZONTAL SPREAD	2.080	1.692	1.692
VERTICAL SPREAD	1.968	1.968	1.653
EXTREME SPREAD	2.115	2.041	1.966
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6496848

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS = 1.495

VS = 2.106

CS = 2.106

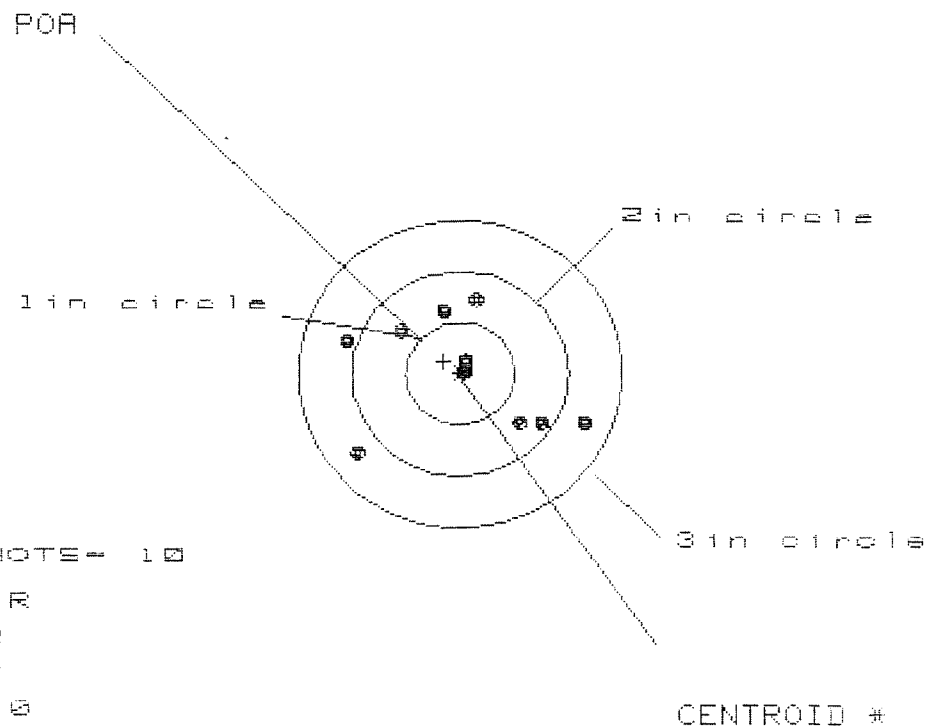
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.801	.792	.782
MINIMUM X	:	-.694	-.703	-.713
MAXIMUM Y	:	1.106	.864	.755
MINIMUM Y	:	-1.000	-.877	-.776
CENTROID X	:	.166	.175	.185
CENTROID Y	:	-.061	-.184	-.075
POA TO CENTROID in.	:	.177	.254	.200
MIN RADIUS	:	.037	.101	.044
MEAN RADIUS	:	.695	.639	.603
MAX RADIUS	:	1.109	1.078	.999
HORIZONTAL SPREAD	:	1.495	1.495	1.495
VERTICAL SPREAD	:	2.106	1.741	1.531
EXTREME SPREAD	:	2.106	1.829	1.673
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG43B848

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.215

VS= 1.541

GS= 2.355

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.121	1.017	.753
MINIMUM X	:	-1.094	-1.198	-1.071
MAXIMUM Y	:	.731	.641	.572
MINIMUM Y	:	-.810	-.590	-.659
CENTROID X	:	.149	.253	.126
CENTROID Y	:	-.123	-.033	.036
POA TO CENTROID in.	:	.193	.255	.131
MIN RADIUS	:	.087	.070	.086
MEAN RADIUS	:	.742	.670	.604
MAX RADIUS	:	1.236	1.223	1.085
HORIZONTAL SPREAD	:	2.215	2.215	1.824
VERTICAL SPREAD	:	1.541	1.231	1.231
EXTREME SPREAD	:	2.355	2.355	1.981
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	