

C6523381

MODEL 760TM M24

Model **SMS**TM

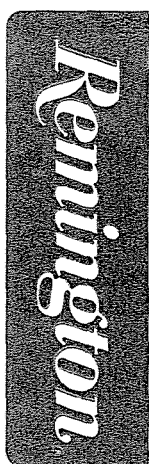
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00092934** Serial: C6523381 Model: M24 SWS Center Fire
 Verify Repair: [REDACTED] Caliber: 7.62 NATO Produced: 12/13/1990
 Repairman: [REDACTED] Status: Closed 2/10/2005 1:14:05 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: [REDACTED] Address 2: [REDACTED] PO Box: [REDACTED]

City: ANNISTON ANNISTON

State: AL AL Zip Code: 362014199 362014199 Country: US US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																		
Contact Information Phone: [REDACTED] Fax: [REDACTED] Email: [REDACTED] Comments: [REDACTED]	Received Condition Condition: Good Notes: [REDACTED] CSR Notes: [REDACTED]	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 Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A026	Scope	1	A057	Fit and Rear Sgt Base	1
Code	Desc	Qty																				
A007	With Stud	3																				
A010	Hard Case	1																				
A017	Scope Base	1																				
A026	Scope	1																				
A057	Fit and Rear Sgt Base	1																				

Repair Search Refresh Close

maglev 2/14/2005 9:17 AM CAPS NUM INS SCPL

start 5 2 4 Arms Services

Serial Number: **C6523381**
 Model: **M24 SWS**

RE00092934

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523381.__0
FILE DATE AND TIME: 06/08/2005 08:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.055
The Average Mean Radius of the Five Target Set:	0.854
The Distance from POA to Centroid Target #1:	0.290
The Distance from Centroid Target #2 to Centroid Target #1:	0.222
The Distance from Centroid Target #3 to Centroid Target #1:	0.316
The Distance from Centroid Target #4 to Centroid Target #1:	0.379
The Distance from Centroid Target #5 to Centroid Target #1:	0.445

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 1

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: -0.269

Y CENTROID: -0.106

POA TO CENTROID: 0.290

HORZ SPREAD: 2.072

VERT SPREAD: 2.316

GROUP SPREAD: 3.108

MIN RADIUS: 0.374

MAX RADIUS: 1.754

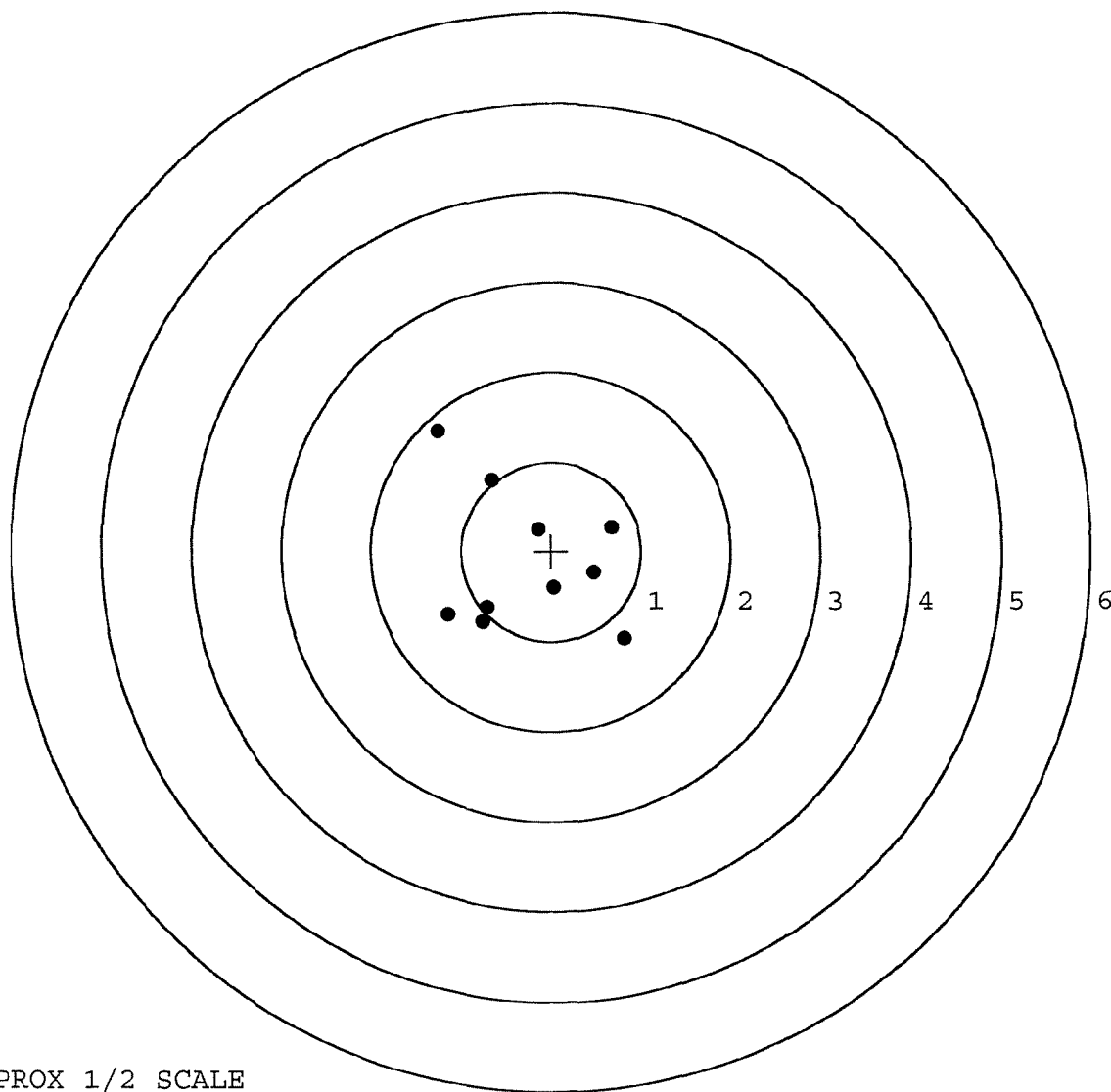
MEAN RADIUS: 0.929

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.818	-0.971
2:	0.477	-0.235
3:	0.673	0.271
4:	0.029	-0.407
5:	-0.143	0.246
6:	-0.716	-0.622
7:	-0.765	-0.784
8:	-1.150	-0.708
9:	-0.662	0.800
10:	-1.254	1.345



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 2

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: -0.214

Y CENTROID: 0.108

POA TO CENTROID: 0.240

HORZ SPREAD: 2.420

VERT SPREAD: 2.127

GROUP SPREAD: 2.787

MIN RADIUS: 0.164

MAX RADIUS: 1.721

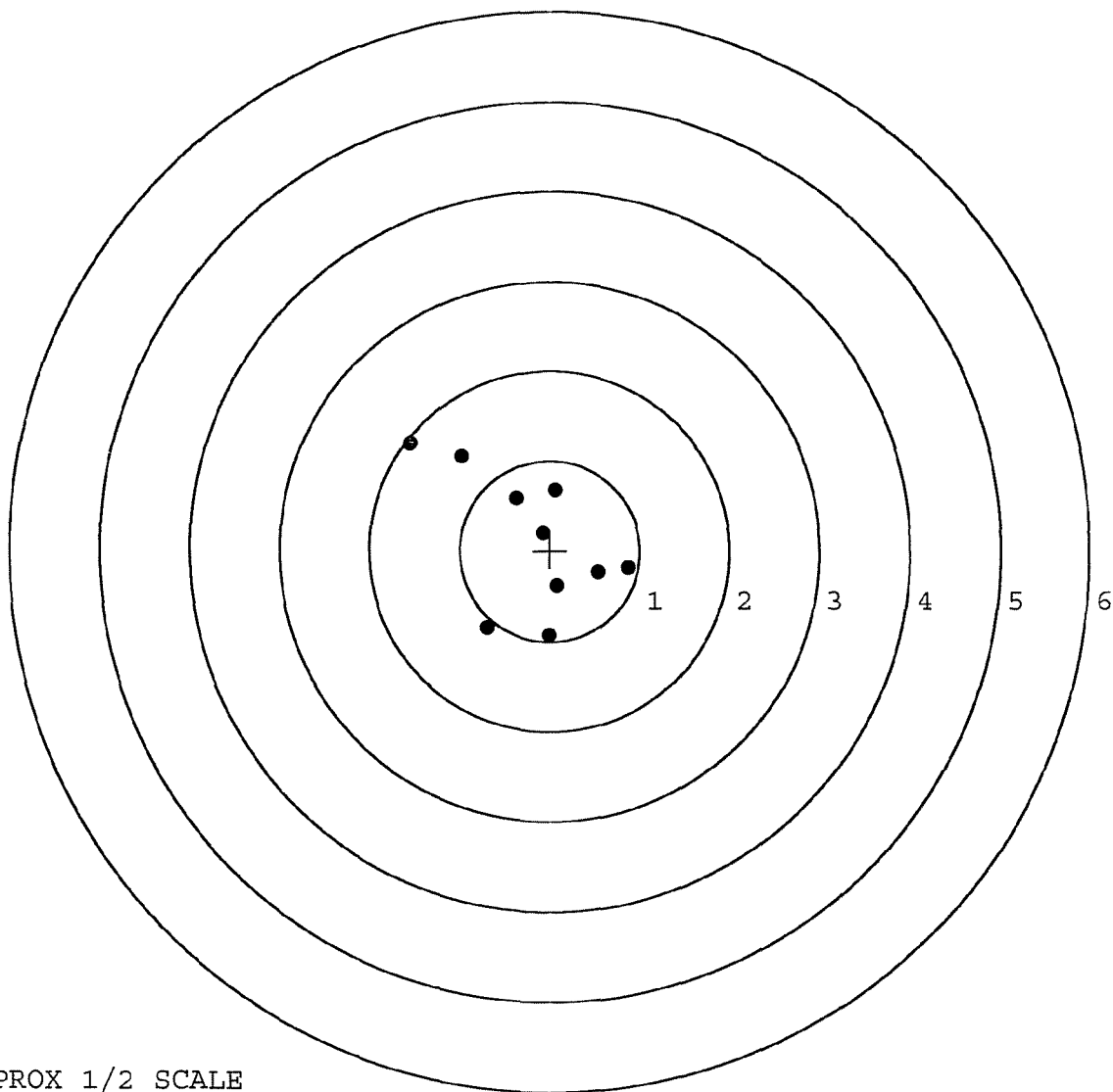
MEAN RADIUS: 0.888

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.694	-0.848
2:	-0.008	-0.934
3:	0.870	-0.190
4:	0.534	-0.243
5:	0.075	-0.387
6:	-0.078	0.199
7:	0.064	0.668
8:	-0.378	0.580
9:	-0.978	1.047
10:	-1.550	1.193

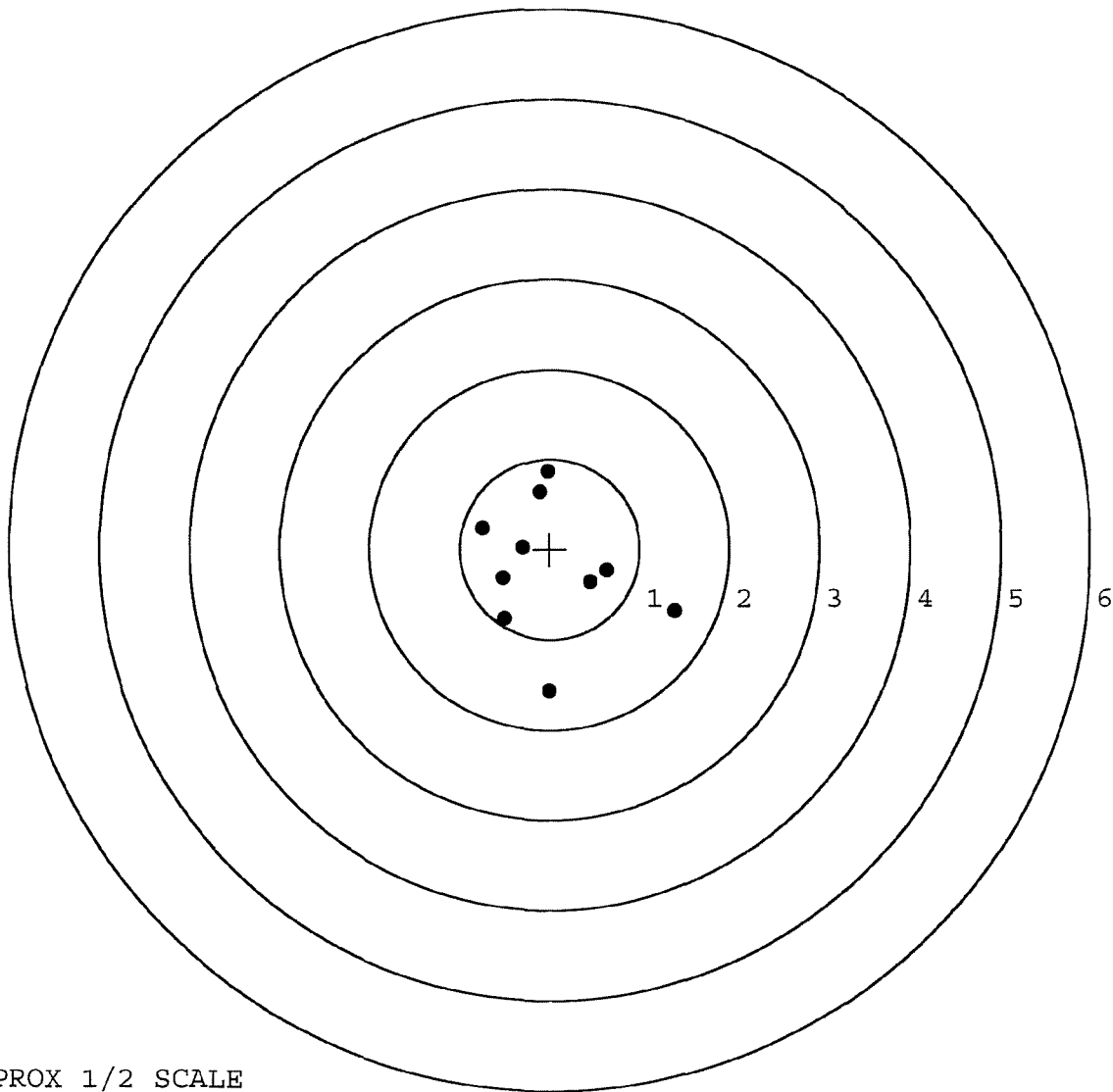


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381.___0
TARGET NUMBER: 3
FILE DATE: 06/08/2005
FILE TIME: 08:28

X CENTROID: 0.024
Y CENTROID: -0.224
POA TO CENTROID: 0.225
HORZ SPREAD: 2.132
VERT SPREAD: 2.432
GROUP SPREAD: 2.324
MIN RADIUS: 0.407
MAX RADIUS: 1.442
MEAN RADIUS: 0.844
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.031	0.864
2:	-0.120	0.635
3:	-0.745	0.229
4:	-0.304	0.016
5:	-0.523	-0.330
6:	-0.507	-0.777
7:	0.452	-0.372
8:	0.638	-0.243
9:	1.387	-0.696
10:	-0.007	-1.568



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381.___0

TARGET NUMBER: 4

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: 0.062

Y CENTROID: 0.078

POA TO CENTROID: 0.099

HORZ SPREAD: 2.005

VERT SPREAD: 1.378

GROUP SPREAD: 2.124

MIN RADIUS: 0.450

MAX RADIUS: 1.155

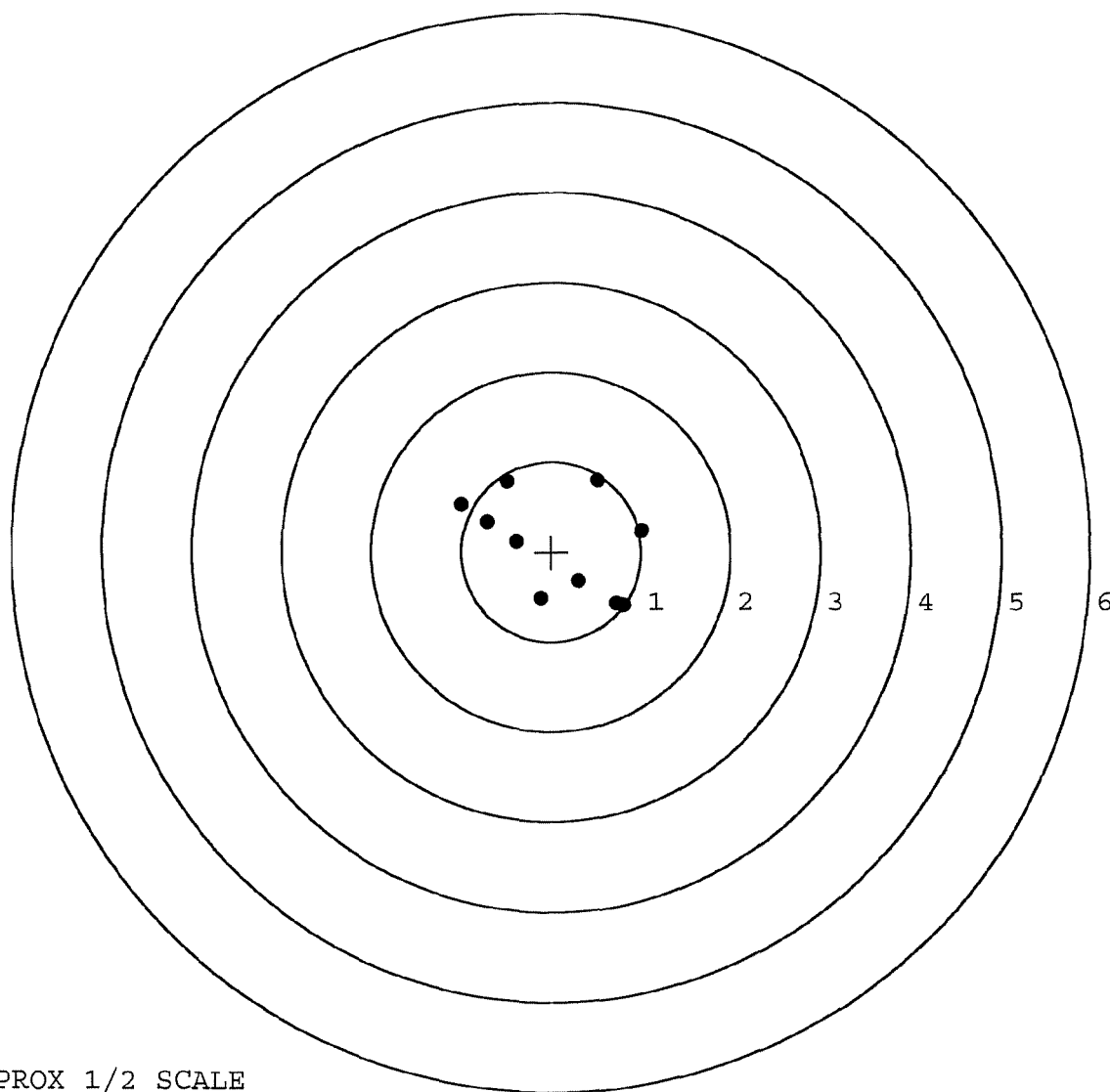
MEAN RADIUS: 0.814

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.725	-0.572
2:	1.001	0.240
3:	0.517	0.789
4:	-0.499	0.776
5:	-1.004	0.523
6:	-0.718	0.331
7:	-0.387	0.118
8:	0.302	-0.323
9:	-0.126	-0.515
10:	0.806	-0.589



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. 0

TARGET NUMBER: 5

FILE DATE: 06/08/2005

FILE TIME: 08:28

POINT#	X	Y
1:	1.077	-0.066
2:	0.656	-0.363
3:	0.627	-0.259
4:	0.177	-0.233
5:	-0.105	-0.287
6:	0.436	0.452
7:	-0.756	-0.092
8:	0.188	-1.291
9:	-0.591	0.718
10:	-0.095	1.479

X CENTROID: 0.161

Y CENTROID: 0.006

POA TO CENTROID: 0.162

HORZ SPREAD: 1.833

VERT SPREAD: 2.770

GROUP SPREAD: 2.784

MIN RADIUS: 0.239

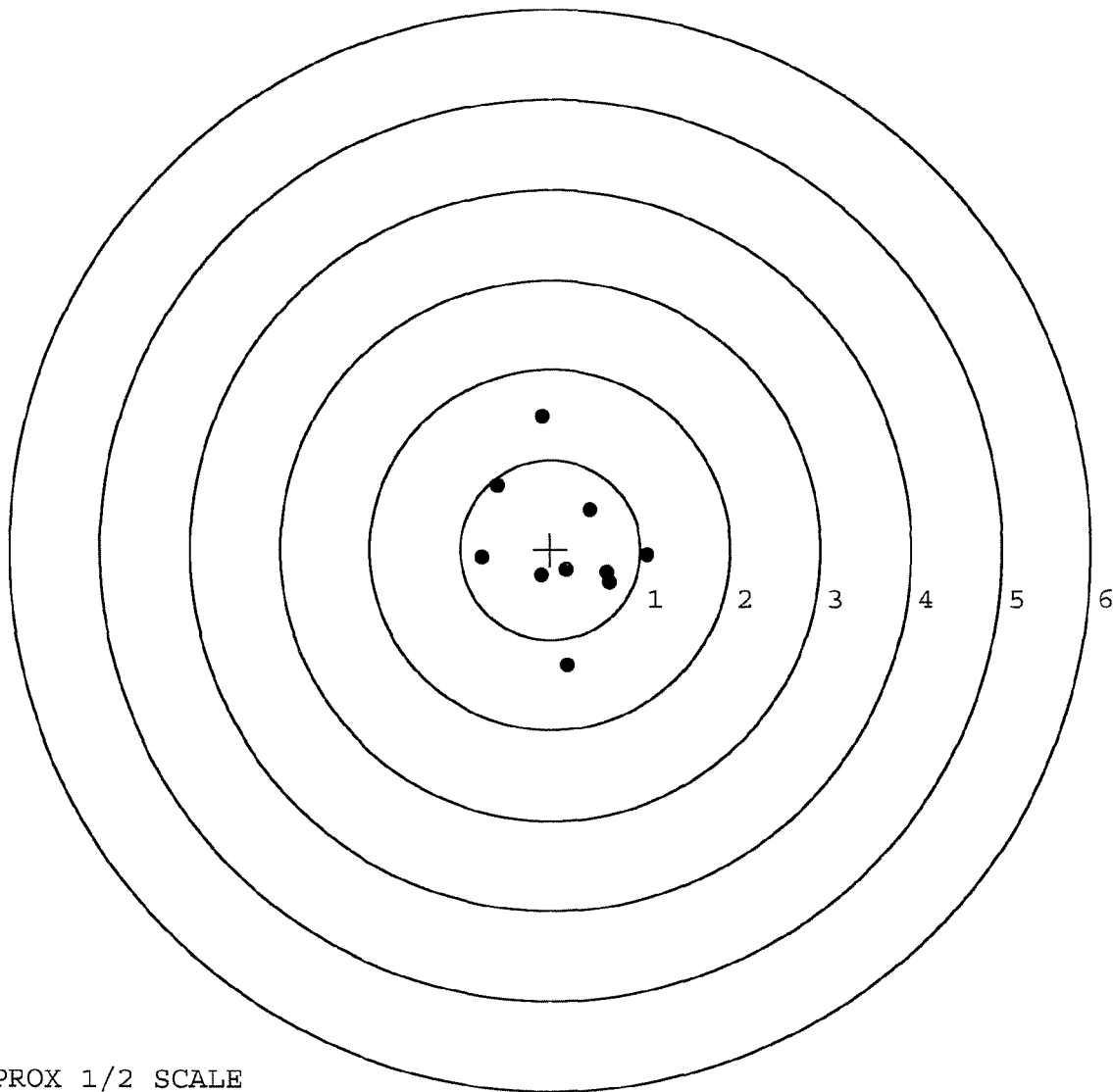
MAX RADIUS: 1.495

MEAN RADIUS: 0.798

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92934		
SERIAL NUMBER	C6523381		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-25-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	W
625 A	FINAL ASSEMBLY	6-2-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-9-05	AC
D	SAFETY "OFF" FORCE	6-9-05	AC
E	FIRING PIN INDENT	6-9-05	AC
640	TARGET	6-8-05	AC
655	FINAL INSPECT	6-9-05	AC
660	PACK	7-6-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING & ESTIMATING REPORT

COMMENTS

ORDER
R 94-18299INITIAL CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

S/N 90 1058

DATE RECEIVED DATE OPENED DATE CODE
06/10/94 06/10/94SERIAL NUMBER
C6523381

NEW SERIAL NUMBER

MODEL AND GRADE
700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL

36201-5025

CUST NO: 098397 CJO.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

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

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

REC. ASSY.

B5

D2

WOOD

C1

D3

METAL

C2

E5

F5

MAIN FAULT

PARTS

COMMENTS

New Barrel
Trigger Assy
Trigger Pin
Mag Box
Mag Spring
Mag Spring follower
L Stock
Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400027078

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6523381
DATE 3-13-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.63	2.71	2.81	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.78	2.86	
PULL #3	2.72	2.70	2.86	
PULL #4	2.49	2.78	2.87	
PULL #5	2.62	2.70	2.83	
TOTAL	13.14	13.67	14.23	
AVG.	2.62	2.73	2.84	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.28	
PULL #2	3.22	3.23	
PULL #3	3.09	3.18	
PULL #4	3.33	3.32	
PULL #5	3.18	3.00	
TOTAL	16.13	16.01	
AVG.	3.22	3.20	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.06		4.24
PULL #2	4.08	4.04		4.02
PULL #3	4.12	4.10		4.24
PULL #4	4.09	4.22		4.24
PULL #5	4.17	4.00		4.02
TOTAL	20.63	20.42		20.74
AVG.	4.12	4.08		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
11 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	1.15987
1 TO	2	.475622
1 TO	3	.306007
1 TO	4	.182387
1 TO	5	.385659

$\frac{41}{25}$
+ <----POR

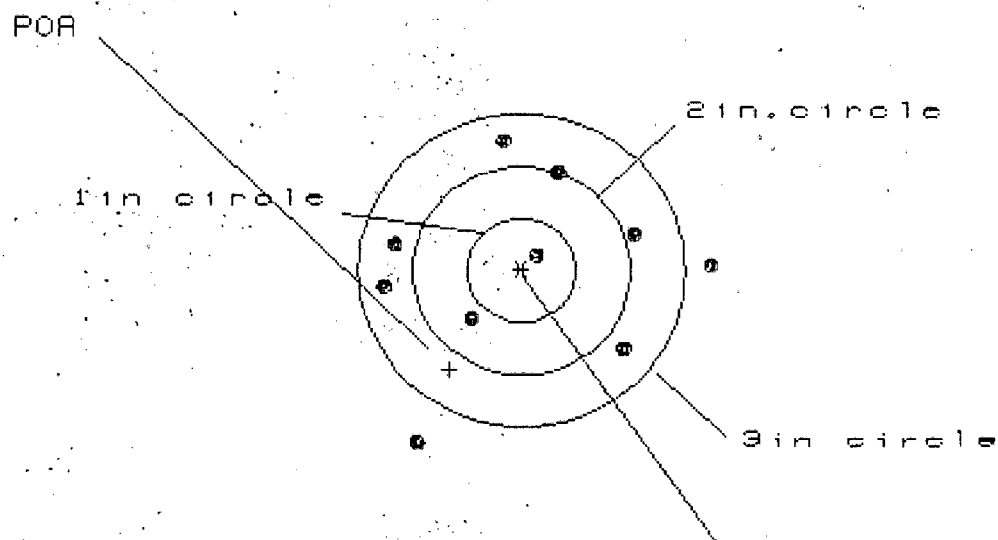
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5508
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7266
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .911772
THE AMR FOR THIS RIFLE IS: 1.007

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381.1

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 0

HS= 3.060

VS= 2.890

GS= 3.252

CENTROID *

PATTERN #

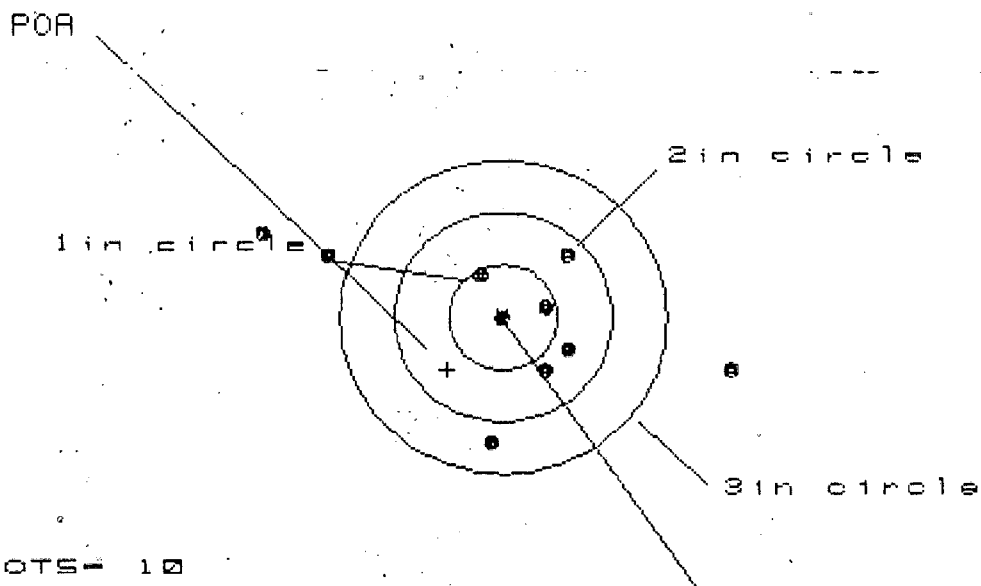
PID

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.747	1.635	1.122
MINIMUM X	-1.313	-1.425	-1.221
MAXIMUM Y	1.226	1.041	1.025
MINIMUM Y	-1.664	-0.899	-0.915
CENTROID X	.664	.776	.572
CENTROID Y	.951	1.136	1.152
POA TO CENTROID in.	1.160	1.376	1.286
MIN RADIUS	.212	.007	.208
MEAN RADIUS	1.155	1.029	.960
MAX RADIUS	1.947	1.639	1.359
HORIZONTAL SPREAD	3.060	3.060	2.343
VERTICAL SPREAD	2.890	1.940	1.940
EXTREME SPREAD	3.252	3.068	2.389
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		8	

11 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 4.264

VS= 1.962

GS= 4.444

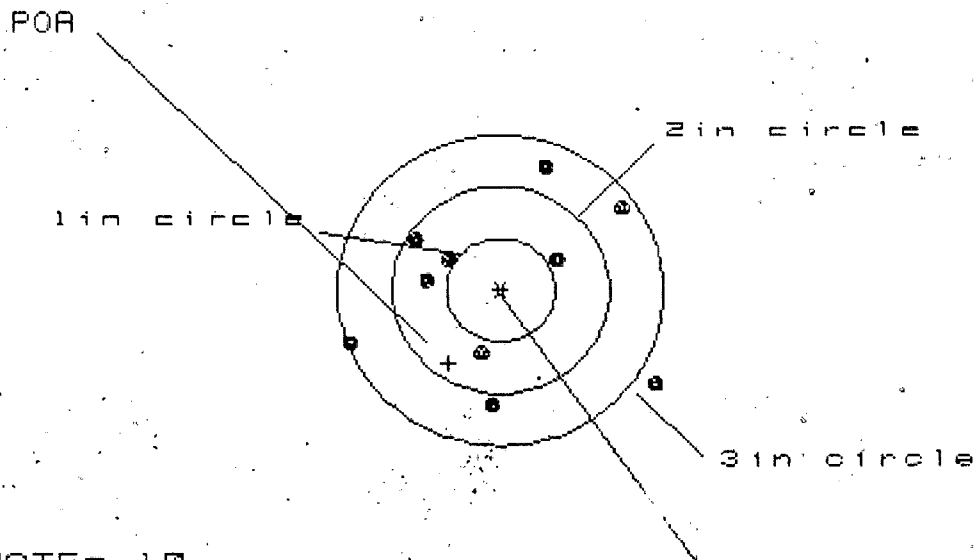
PATTERN #	:	12		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.096	1.856	.583
MINIMUM X	:	-2.167	-1.875	-1.643
MAXIMUM Y	:	.755	.666	.614
MINIMUM Y	:	-1.207	-1.123	-1.175
CENTROID X	:	.510	.750	.518
CENTROID Y	:	.501	.417	.469
POA TO CENTROID in.	:	.715	.859	.699
MIN RADIUS	:	.034	.279	.042
MEAN RADIUS	:	1.042	.871	.746
MAX RADIUS	:	2.295	1.987	1.751
HORIZONTAL SPREAD	:	4.264	3.731	2.226
VERTICAL SPREAD	:	1.962	1.789	1.789
EXTREME SPREAD	:	4.444	3.881	2.374
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.840

VS= 2.278

GS= 2.874

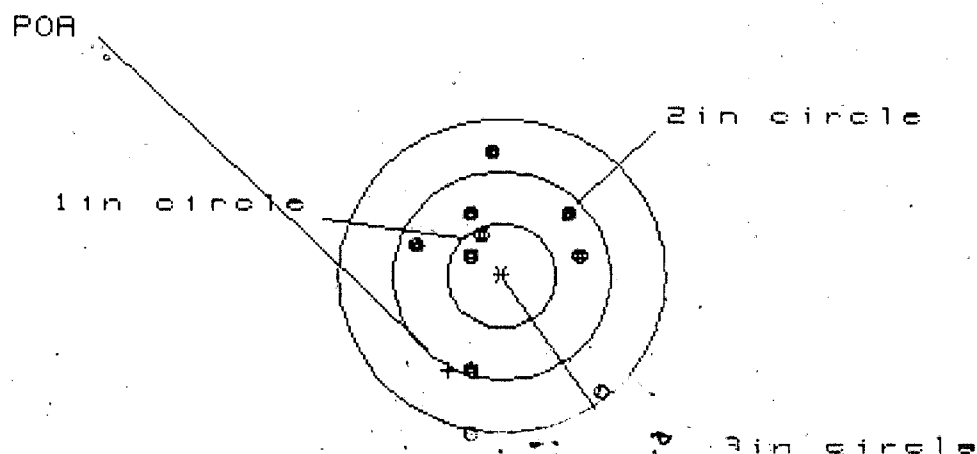
CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.451	1.267	1.113
MINIMUM X	-1.389	-1.228	-.813
MAXIMUM Y	1.147	1.046	.975
MINIMUM Y	-1.131	-1.232	-1.303
CENTROID X	.482	.321	.475
CENTROID Y	.705	.806	.877
POA TO CENTROID in.	.854	.868	.997
MIN RADIUS	.563	.373	.479
MEAN RADIUS	1.026	.916	.869
MAX RADIUS	1.711	1.431	1.303
HORIZONTAL SPREAD	2.840	2.495	1.926
VERTICAL SPREAD	2.278	2.278	2.278
EXTREME SPREAD	2.874	2.783	2.330
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.726

VS= 2.687

GS= 2.698

CENTROID #

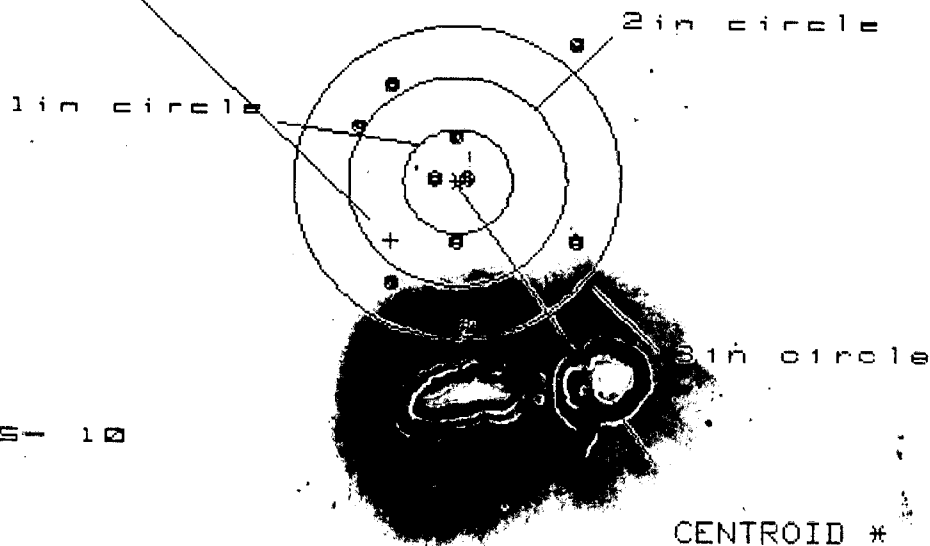
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.912	.876	.805
MINIMUM X	:	-.814	-.850	-.741
MAXIMUM Y	:	1.204	1.039	.887
MINIMUM Y	:	-1.483	-1.223	-1.226
CENTROID X	:	.487	.524	.415
CENTROID Y	:	.907	1.072	1.225
POA TO CENTROID in.	:	1.030	1.193	1.293
MIN RADIUS	:	.324	.319	.165
MEAN RADIUS	:	.902	.799	.657
MAX RADIUS	:	1.519	1.504	1.238
HORIZONTAL SPREAD	:	1.726	1.726	1.546
VERTICAL SPREAD	:	2.687	2.262	2.112
EXTREME SPREAD	:	2.698	2.472	2.118
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 1.999

VS= 2.742

GS= 2.890

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.128	1.244	1.276
MINIMUM X	-.871	-.755	-.723
MAXIMUM Y	1.357	1.106	.952
MINIMUM Y	-1.385	-1.234	-.950
CENTROID X	.611	.495	.463
CENTROID Y	.569	.418	.572
POA TO CENTROID in.	.835	.648	.736
MIN RADIUS	.132	.201	.061
MEAN RADIUS	.909	.819	.731
MAX RADIUS	1.716	1.309	1.393
HORIZONTAL SPREAD	1.999	1.999	1.999
VERTICAL SPREAD	2.742	2.340	1.902
EXTREME SPREAD	2.890	2.452	2.297
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523381

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			5/4/96	FW
	G) Safety Off Force	4	4	4			5/4/96	FW
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/4/96	FW
	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							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.78	2.80	2.81	2.85	2.85	5/4/96	FW
	C) Function							
660	Pack							

Remington®

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

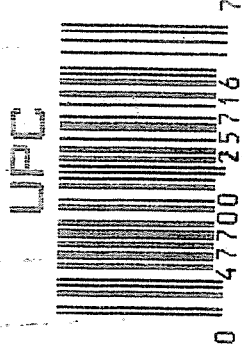
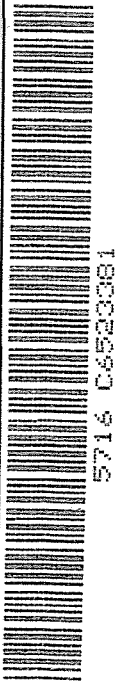
REMINGTON
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

SERIAL NO.
C6523381

ORDER NO.
5715

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523381

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KH
600	Proof		10/1/90	KH
607	Check Headspace		10/1/90	KH
610	Dis-assemble Gun		10/1/90	KH
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	YH
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>RB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			10/27/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			10/27/90	WB
	H) Trigger Pull Test & Retainability						10-27-90	DH
	I) Firing Pin Indent	.022	.022	.022			10/27/90	WB
	J) Assemble Stock						10/27/90	Kel
	K) Assemble Swivel Studs						3/18/90	JS
	L) Attach Front and Rear Sight Assemblies						10/27/90	Kel
	M) Iron Sight Alignment						10/27/90	Kel
	N) Detach Front & Rear Sights & place in numbered container						10/27/90	Kel
	O) Attach Scope to Rifle						10/27/90	Kel
	P) Detach & Attach Scope 20 Times						10/27/90	Kel
640	Gallery Target & Test						10-29-90	KT
	A) Time						10-29-90	KT
	B) Malfunctions						10-29-90	KT
	C) Pierced Primers						10-29-90	KT
	D) Optical Clarity of Scope						10-29-90	KT
645	Inspect for Live Ammo						10-29-90	KT
655	Final Inspection							
	A) Headspace						3/18/90	JS
	B) Trigger Pull	291	290	278	295	290	3/18/90	JS
	C) Function						3/18/90	JS
660	Pack						12/19/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CG523381

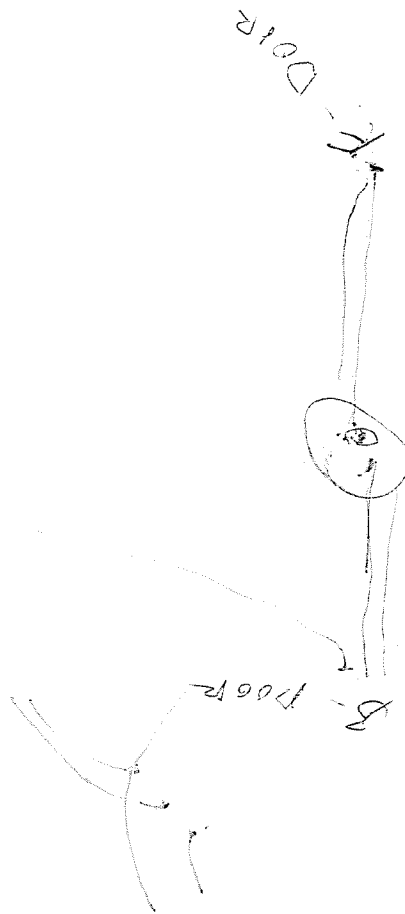
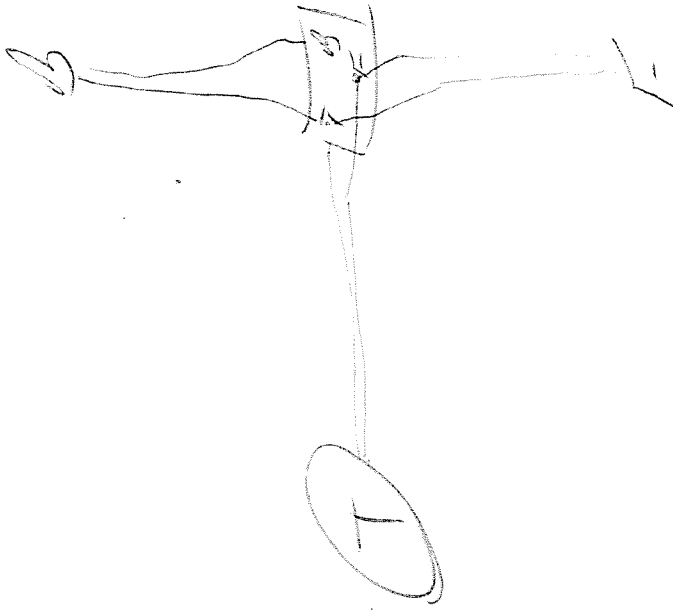
DATE 10-27-90

TESTER PH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.58	2.47	2.91	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.43	2.54	2.90	
PULL #3	2.60	2.49	2.49	2.78	
PULL #4	2.60	2.44	2.56	2.95	
PULL #5	2.56	2.45	2.47	2.90	
TOTAL	12.81	12.39	12.53		
AVG.	2.56	2.47	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.03		
PULL #2	3.10	3.00		
PULL #3	3.04	3.04		
PULL #4	3.09	3.01		
PULL #5	3.02	3.02		
TOTAL	15.39	15.10		
AVG.	3.07	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.19		4.15
PULL #2	4.28	4.18		4.09
PULL #3	4.16	4.24		4.10
PULL #4	4.31	4.23		4.29
PULL #5	4.28	4.25		4.26
TOTAL	21.32	21.09		20.89
AVG.	4.22	4.21		4.17



INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
12 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.348855
1 TO	2	.666168
1 TO	3	.196573
1 TO	4	.328842
1 TO	5	.428562

$\sigma_{\bar{x}^2}$ < ----POR

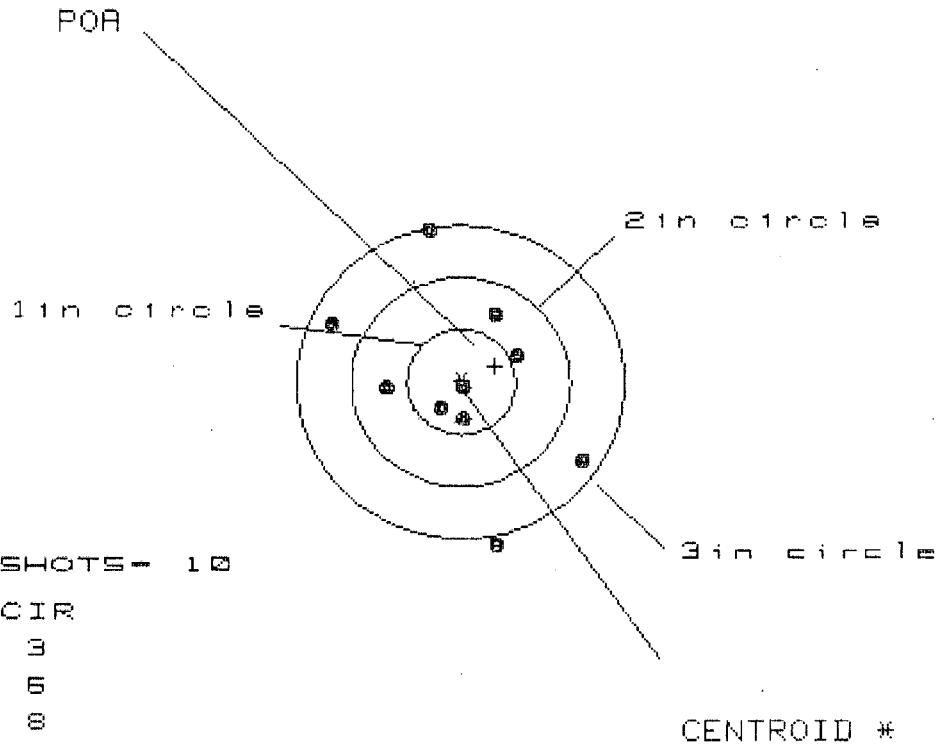
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0198
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0396
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0442741
THE AMR FOR THIS RIFLE IS: .8756

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.355

VS= 3.068

GS= 3.124

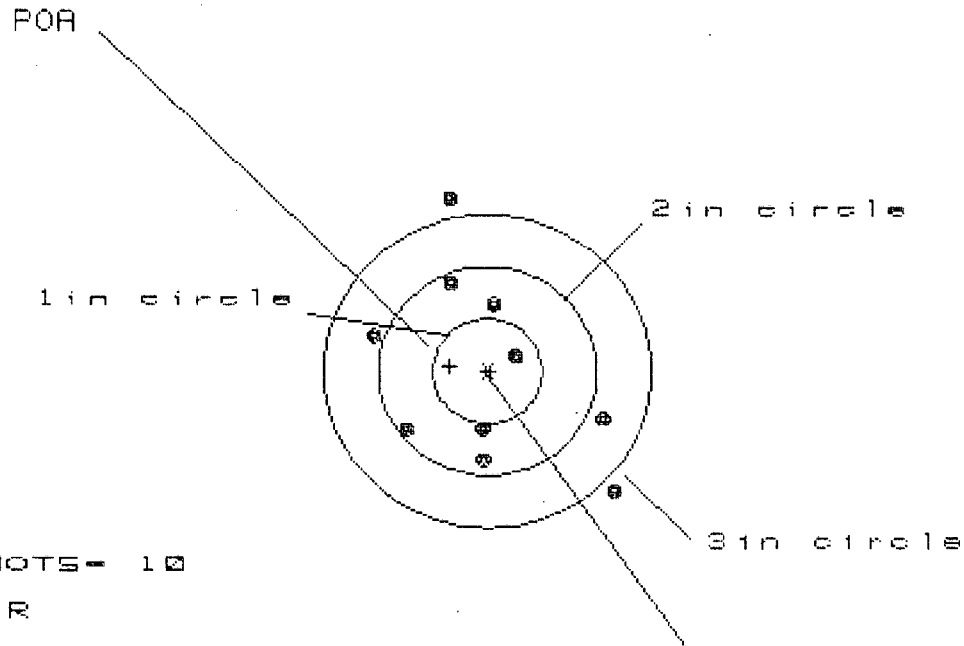
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	1.162	1.130
MINIMUM X	-1.226	-1.193	-1.225
MAXIMUM Y	1.489	1.314	.636
MINIMUM Y	-1.579	-.894	-.730
CENTROID X	-.314	-.347	-.315
CENTROID Y	-.152	.023	-.141
POA TO CENTROID in.	.349	.348	.345
MIN RADIUS	.024	.189	.029
MEAN RADIUS	.841	.777	.663
MAX RADIUS	1.606	1.466	1.345
HORIZONTAL SPREAD	2.355	2.355	2.355
VERTICAL SPREAD	3.068	2.208	1.366
EXTREME SPREAD	3.124	2.654	2.654
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.185

VS= 2.804

GS= 3.158

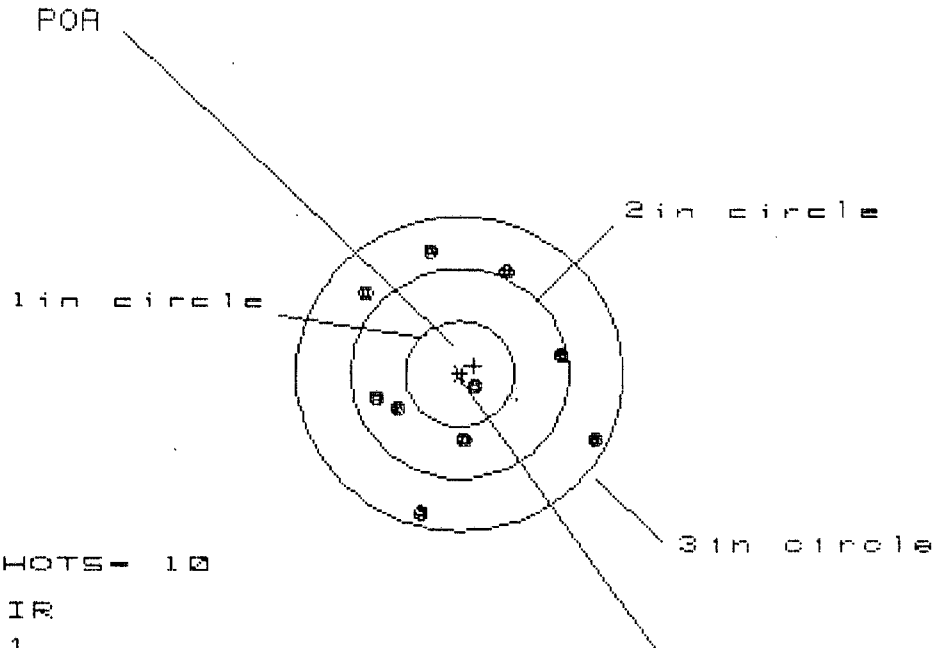
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.123	1.116
MINIMUM X	-1.029	-1.062	-.922
MAXIMUM Y	1.635	1.054	.931
MINIMUM Y	-1.169	-.987	-.781
CENTROID X	.344	.377	.237
CENTROID Y	-.048	-.230	-.107
POA TO CENTROID in.	.348	.442	.260
MIN RADIUS	.264	.342	.386
MEAN RADIUS	.965	.875	.791
MAX RADIUS	1.662	1.495	1.199
HORIZONTAL SPREAD	2.185	2.185	2.038
VERTICAL SPREAD	2.804	2.041	1.712
EXTREME SPREAD	3.158	2.645	2.196
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523361

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.165

VS= 2.532

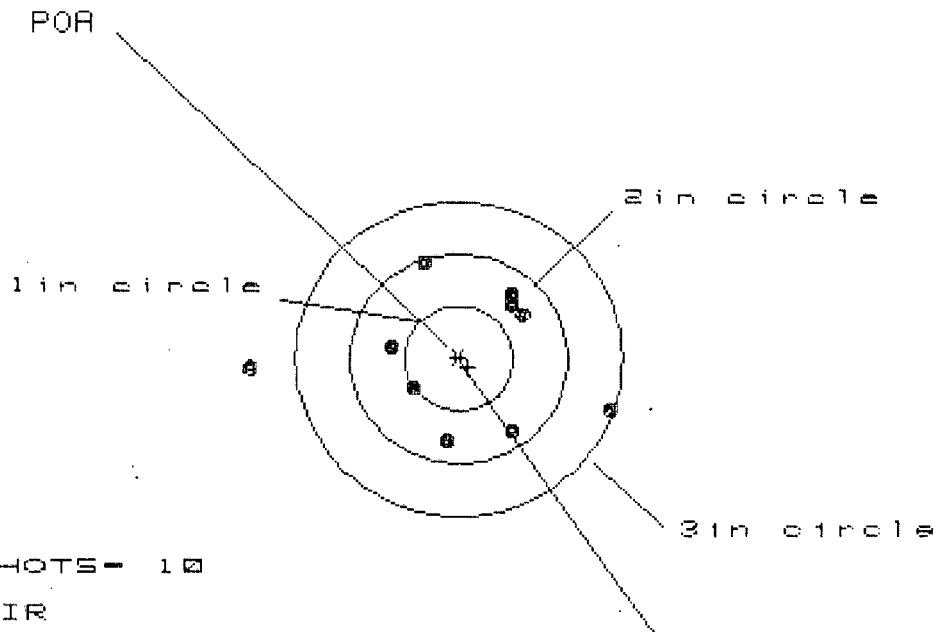
GS= 2.565

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.251	1.037	1.011
MINIMUM X	:	-.914	-.775	-.801
MAXIMUM Y	:	1.196	1.131	.956
MINIMUM Y	:	-1.336	-1.401	-.862
CENTROID X	:	-.134	-.273	-.247
CENTROID Y	:	-.073	-.008	.167
POA TO CENTROID in.	:	.153	.273	.298
MIN RADIUS	:	.176	.326	.434
MEAN RADIUS	:	.943	.894	.838
MAX RADIUS	:	1.383	1.417	1.012
HORIZONTAL SPREAD	:	2.165	1.812	1.812
VERTICAL SPREAD	:	2.532	2.532	1.818
EXTREME SPREAD	:	2.565	2.534	1.907
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523361

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 3.309

VS= 1.663

GS= 3.333

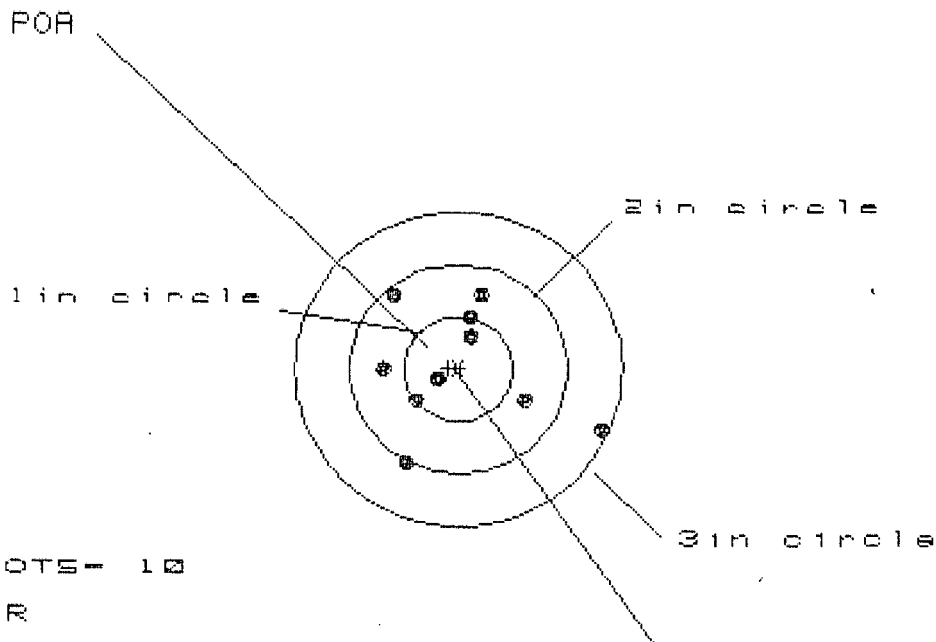
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.363	1.146	.490
MINIMUM X	:	-1.946	-.872	-.728
MAXIMUM Y	:	.867	.853	.786
MINIMUM Y	:	-.796	-.810	-.877
CENTROID X	:	-.085	.132	-.012
CENTROID Y	:	.084	.098	.165
POA TO CENTROID in.	:	.119	.164	.165
MIN RADIUS	:	.470	.495	.568
MEAN RADIUS	:	.928	.795	.724
MAX RADIUS	:	1.950	1.266	.896
HORIZONTAL SPREAD	:	3.309	2.018	1.218
VERTICAL SPREAD	:	1.663	1.663	1.663
EXTREME SPREAD	:	3.333	2.191	1.779
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS = 2.031

VS = 1.590

GS = 2.286

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.333	.786	.749
MINIMUM X	-.698	-.550	-.587
MAXIMUM Y	.706	.642	.523
MINIMUM Y	-.884	-.948	-.491
CENTROID X	.090	-.058	-.021
CENTROID Y	-.009	.055	.174
POA TO CENTROID in.	.090	.080	.175
MIN RADIUS	.263	.196	.217
MEAN RADIUS	.701	.593	.531
MAX RADIUS	1.452	.994	.881
HORIZONTAL SPREAD	2.031	1.336	1.336
VERTICAL SPREAD	1.590	1.590	1.014
EXTREME SPREAD	2.296	1.672	1.563
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
30 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.318611
1 TO	2	.520378
1 TO	3	.207152
1 TO	4	.387497
1 TO	5	.582156

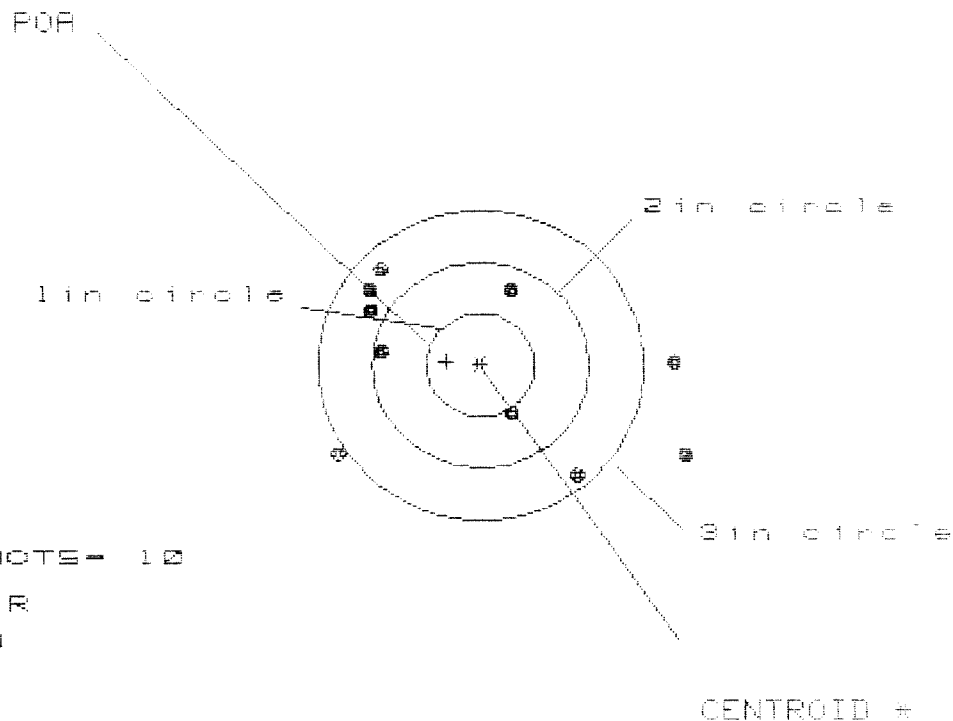
5/11 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .005
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0426
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0428924
THE AMR FOR THIS RIFLE IS: 1.002

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523381

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.287

VS= 2.007

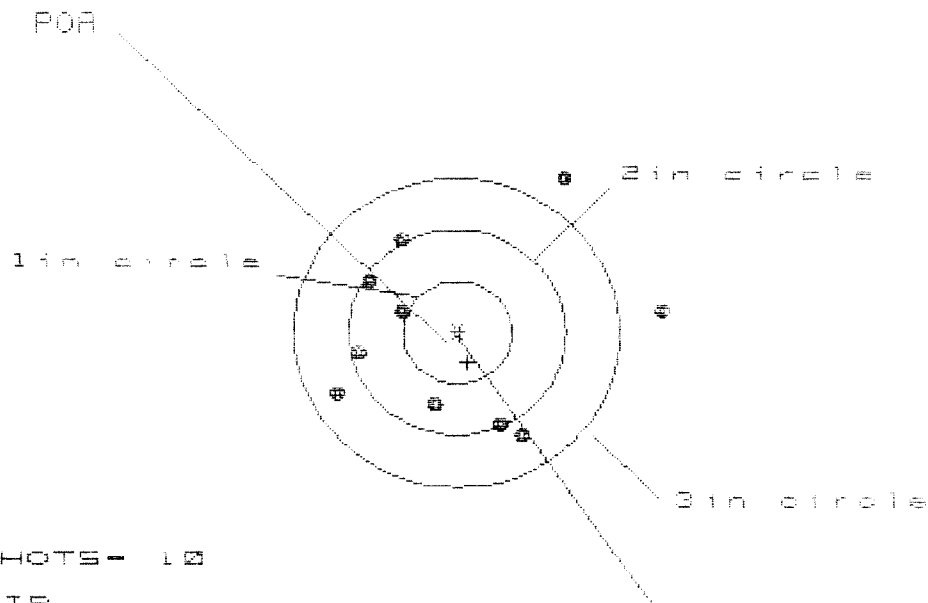
GS= 3.401

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.922	1.955	1.851
MINIMUM X	:	-1.365	-1.151	-1.907
MAXIMUM Y	:	.971	.873	.864
MINIMUM Y	:	-1.036	-1.134	-1.143
CENTROID X	:	.317	.103	-.141
CENTROID Y	:	-.032	.066	.074
POA TO CENTROID in.	:	.318	.123	.160
MIN RADIUS	:	.568	.673	.430
MEAN RADIUS	:	1.280	1.147	.995
MAX RADIUS	:	2.116	1.956	1.769
HORIZONTAL SPREAD	:	3.287	3.186	2.258
VERTICAL SPREAD	:	2.007	2.007	2.007
EXTREME SPREAD	:	3.401	3.222	2.711
NUMBER IN ONE INCH CIRCLE	=	0	0	0
NUMBER IN TWO INCH CIRCLE	=	3	3	3
NUMBER IN THREE INCH CIRCLE	=	7	7	7

33 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523381

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

IS = 2.974

VS = 2.494

GS = 3.088

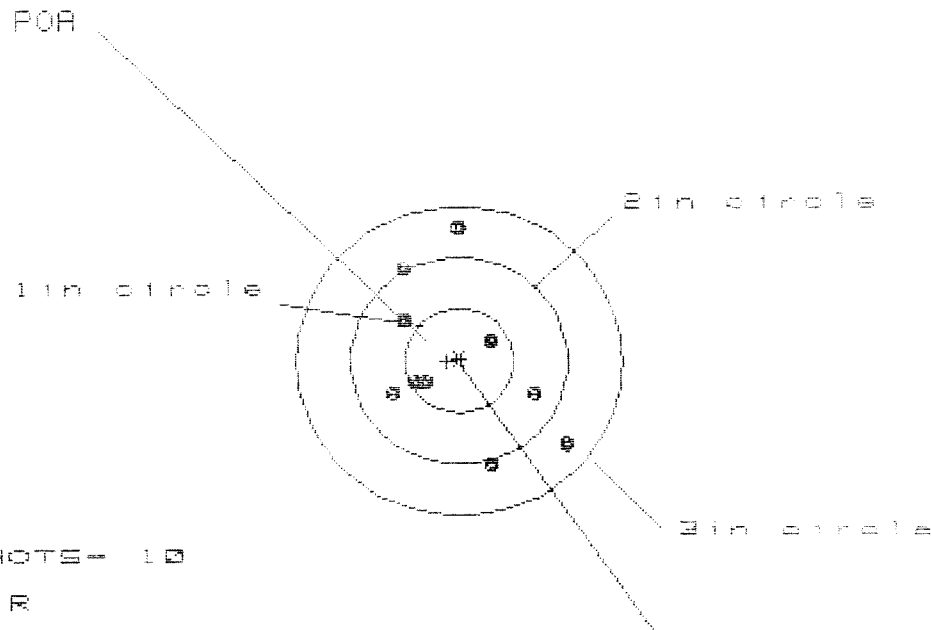
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.911	1.247	.992
MINIMUM X	:	-1.063	-.850	-.694
MAXIMUM Y	:	1.522	1.548	1.176
MINIMUM Y	:	-.972	-.946	-.753
CENTROID X	:	-.091	-.304	-.460
CENTROID Y	:	.291	.265	.072
POA TO CENTROID in.	:	.306	.403	.465
MIN RADIUS	:	.497	.327	.416
MEAN RADIUS	:	1.133	.989	.821
MAX RADIUS	:	1.926	1.987	1.245
HORIZONTAL SPREAD	:	2.974	2.097	1.686
VERTICAL SPREAD	:	2.494	2.494	1.929
EXTREME SPREAD	:	3.088	2.958	2.242
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523381

CENTERFIRE PATTERNS # 3



OF SHOTS- 10
IN CIR
1 in = 3
2 in = 7
3 in = 10
HS= 1.543
VS= 2.308
GS= 2.331

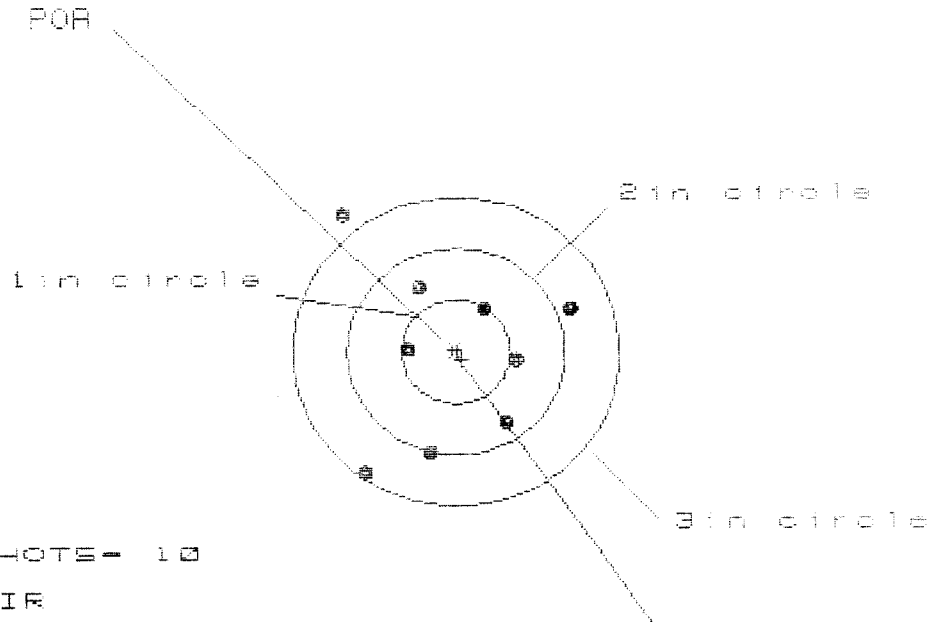
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.942	.941	.846
MINIMUM X	:	-.602	-.602	-.484
MAXIMUM Y	:	1.320	1.011	.932
MINIMUM Y	:	-.988	-.841	-.920
CENTROID X	:	.113	.113	-.005
CENTROID Y	:	.004	-.143	-.064
POA TO CENTROID in.	:	.113	.182	.064
MIN RADIUS	:	.308	.303	.224
MEAN RADIUS	:	.770	.700	.617
MAX RADIUS	:	1.320	1.131	1.019
HORIZONTAL SPREAD	:	1.543	1.543	1.330
VERTICAL SPREAD	:	2.308	1.852	1.852
EXTREME SPREAD	:	2.331	2.158	2.011
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/065233B1

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 2.046

VS = 2.444

GS = 2.448

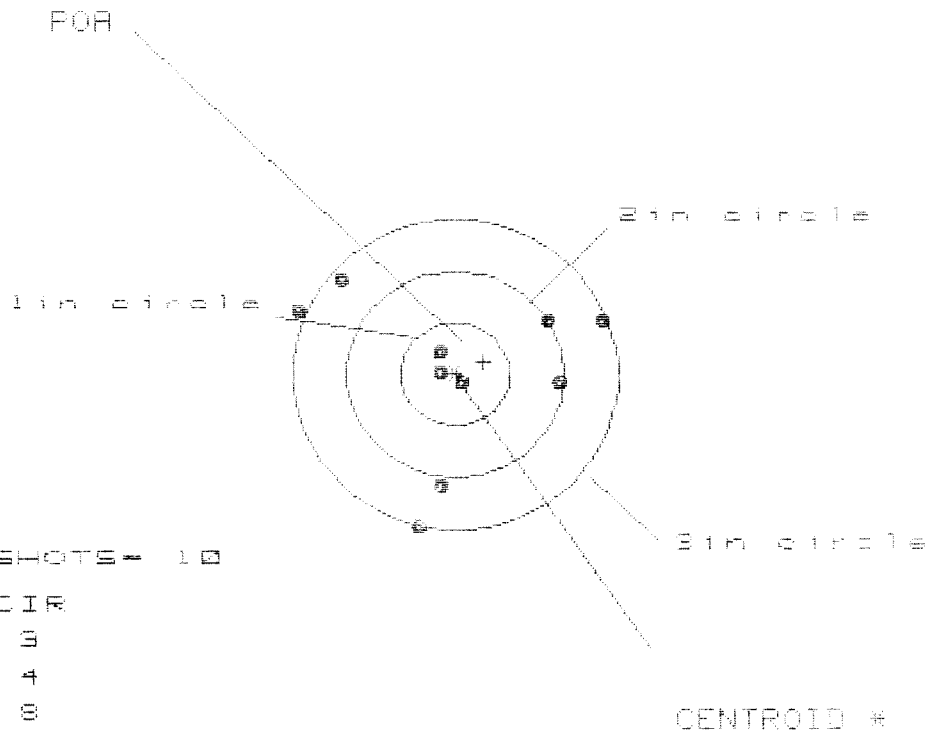
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.924	.880
MINIMUM X	:	-1.010	-.990	-.693
MAXIMUM Y	:	1.304	.756	.632
MINIMUM Y	:	-1.139	-.995	-.904
CENTROID X	:	-.056	.056	.180
CENTROID Y	:	.073	-.072	.052
POA TO CENTROID in.	:	.091	.092	.188
MIN RADIUS	:	.462	.425	.294
MEAN RADIUS	:	.874	.769	.653
MAX RADIUS	:	1.650	1.404	1.010
HORIZONTAL SPREAD	:	2.046	1.914	1.493
VERTICAL SPREAD	:	2.444	1.751	1.536
EXTREME SPREAD	:	2.448	2.448	1.812
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/085233B1

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS = 2.833

VS = 2.418

GS = 2.833

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.358	1.185	1.125
MINIMUM X	-1.483	-1.157	-1.217
MAXIMUM Y	.908	.972	.791
MINIMUM Y	-1.510	-1.446	-1.215
CENTROID X	-.258	-.093	-.033
CENTROID Y	-.123	-.187	-.006
POA TO CENTROID in.	.285	.269	.033
MIN RADIUS	.076	.139	.274
MEAN RADIUS	.954	.896	.815
MAX RADIUS	1.591	1.524	1.452
HORIZONTAL SPREAD	2.833	2.342	2.342
VERTICAL SPREAD	2.418	2.418	2.006
EXTREME SPREAD	2.833	2.646	2.370
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	