

C6611426

MODEL 786TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

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: **RE00127551** Serial: **C6611426** Model **M24 SWS** Center Fire Repairman: _____
 Verify Repair Status: **New 4/3/2007 7:12:17 AM**

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **RAMON VELAZQUEZ STTD** **RAMON VELAZQUEZ STTD**
 Address 1: **1401 ARTILLERY CIRCLE** **1401 ARTILLERY CIRCLE**
 Address 2: **ATTN: SUPPLY BLDG 978** PO Box: _____ **ATTN: SUPPLY BLDG 978** PO Box: _____
 City: **FT LEONARD WOOD** **FT LEONARD WOOD**
 State: **MO** Zip Code: **65473** Country: **US** State: **MO** Zip Code: **65473** Country: **US**

FFL: _____

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **573 596 3420** Received Condition: **Fair** Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Condition Notes: _____
 CSR Notes: _____

Repair Search Refresh Close

nagletj 4/3/2007 7:26 AM CAPS NUM INS SCRL

Microsoft Office Arms Services RAG0179-RAG... 3 Internet Ex... 7:26 AM

Serial Number: **C6611426**

Model: **M24 SWS**



RE00127551

Remington®**Factory Repair Instructions**

(NOTE: Please print and complete this form, and then include it with your firearm.)

Model Number: <u>M24A1</u>	Serial Number: <u>C6611426</u>
Are you the original owner?: ☒ YES ☐ NO <u>Contract # DAAE20-02-C-0149</u>	
Name: <u>US Army MPS - STD</u>	Date of Purchase: <u>UNKNOWN</u>
Address (no PO Boxes): <u>1401 Artillery Circle</u>	
<u>BLDG 978</u> <u>ATTN: Ramon Velazquez</u>	
City: <u>FT. Leonard Wood</u>	State: <u>MO</u> Zip: <u>65473</u>
Phone (Daytime): <u>(573) 596-0131 x6-3420</u>	Fax: <u>(573) 596-0747</u>

E-mail Address:

☐ I would like to receive future e-mail updates from Remington.

Please describe your problem and date of occurrence:

- worn bolt release/catch spring**Ammunition Information:**

Manufacturer: Military (Lake City) Type: M118 MATCH BALL

Other (i.e. bullet weight/type, shot size, powder):

Handload Information:

Powder Used:	Powder Weight:
Case/Hull Used:	Primer Used:
Bullet Type/Shot Size:	Reloader Used:

Firearms Care (Cleaning and Lubrication):

Brand of cleaning solution used:

How often do you clean the bore? (Months or Number of rounds)

How often do you clean the action? (Months or Number of rounds)

How often do you clean the trigger assembly? (Months or Number of rounds)

Brand of lubricant used:

How often do you lubricate the bore? (Months or Number of rounds)

How often do you lubricate the action? (Months or Number of rounds)

How often do you lubricate the trigger assembly? (Months or Number of rounds)

Have you reviewed the cleaning and maintenance recommendations on our web site or in our owners manual? ☐ YES ☐ NO

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

R & E NUMBER		127551	
SERIAL NUMBER		C6611426	
LOG-IN DATE		4-3-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-2	
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
510	DRILL AND TAP		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625	FINAL ASSEMBLY		
640	FUNCTION TEST AND	(PASS) FAIL	4-27-07 TRW
650	TARGET	(PASS) FAIL	4-27-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		4-27-07 CHS
	A) HEADSPACE	(PASS) FAIL	5-16-07 RTR
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.57 2.58 2.59 2.54 2.59 5-10-07 TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.25 7.5 8.0 5-10-07 TRW
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.25 2.25 5-10-07 TRW
	I) FIRING PIN INDENT	.020	.025 .025 .025 5-10-07 TRW
690	PACK		5-16-07 RTR

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: **RE00103094** Serial: C6611426 Model: M24 SWS Center Fire
 Verify Repair: [REDACTED] Caliber: 7.62 NATO Produced: 06/18/1991 Repairman: [REDACTED]
 Status: Closed 11/1/2005 3:10:07 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **JERRY NELSON STTD** **JERRY NELSON STTD**

Address 1: **1401 ARTILLERY CIRCLE** **1401 ARTILLERY CIRCLE**

Address 2: **ATTN SUPPLY BLDG 978** **ATTN SUPPLY BLDG 978** PO Box: [REDACTED] PO Box: [REDACTED]

City: **FORT LEONARD WOOD** **FORT LEONARD WOOD**

State: **MO** Zip Code: **65473** Country: **US** State: **MO** Zip Code: **65473** Country: **US**

FFL: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **800 243 9700**

Fax: [REDACTED]

Email: [REDACTED]

Comments: [REDACTED]

Received Condition

Fair

Condition Notes: [REDACTED]

CSR Notes: [REDACTED]

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

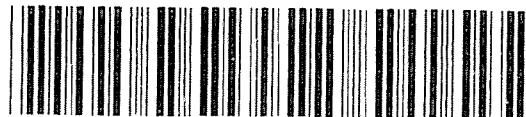
Repair Search **Refresh** **Close**

neglty 11/2/2005 7:21 AM CAPS NUM IKS SCPL

start 2 Arms Services 5 8

Serial Number: **C6611426**

Model: **M24 SWS**



RE00103094

DA FORM 2407, JUL 94

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611426.__0
FILE DATE AND TIME: 11/17/2005 15:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.015
The Average Y Centroid of the Five Target Set:	-0.045
The Average Point of Impact of the Five Target Set:	0.048
The Average Mean Radius of the Five Target Set:	0.931
The Distance from POA to Centroid Target #1:	0.359
The Distance from Centroid Target #2 to Centroid Target #1:	0.632
The Distance from Centroid Target #3 to Centroid Target #1:	0.187
The Distance from Centroid Target #4 to Centroid Target #1:	0.338
The Distance from Centroid Target #5 to Centroid Target #1:	0.578

SERIAL NUMBER: C6611426. 0

TARGET NUMBER: 1

FILE DATE: 11/17/2005

FILE TIME: 15:11

X CENTROID: 0.350

Y CENTROID: -0.078

POA TO CENTROID: 0.359

HORZ SPREAD: 4.083

VERT SPREAD: 1.647

GROUP SPREAD: 4.218

MIN RADIUS: 0.380

MAX RADIUS: 2.195

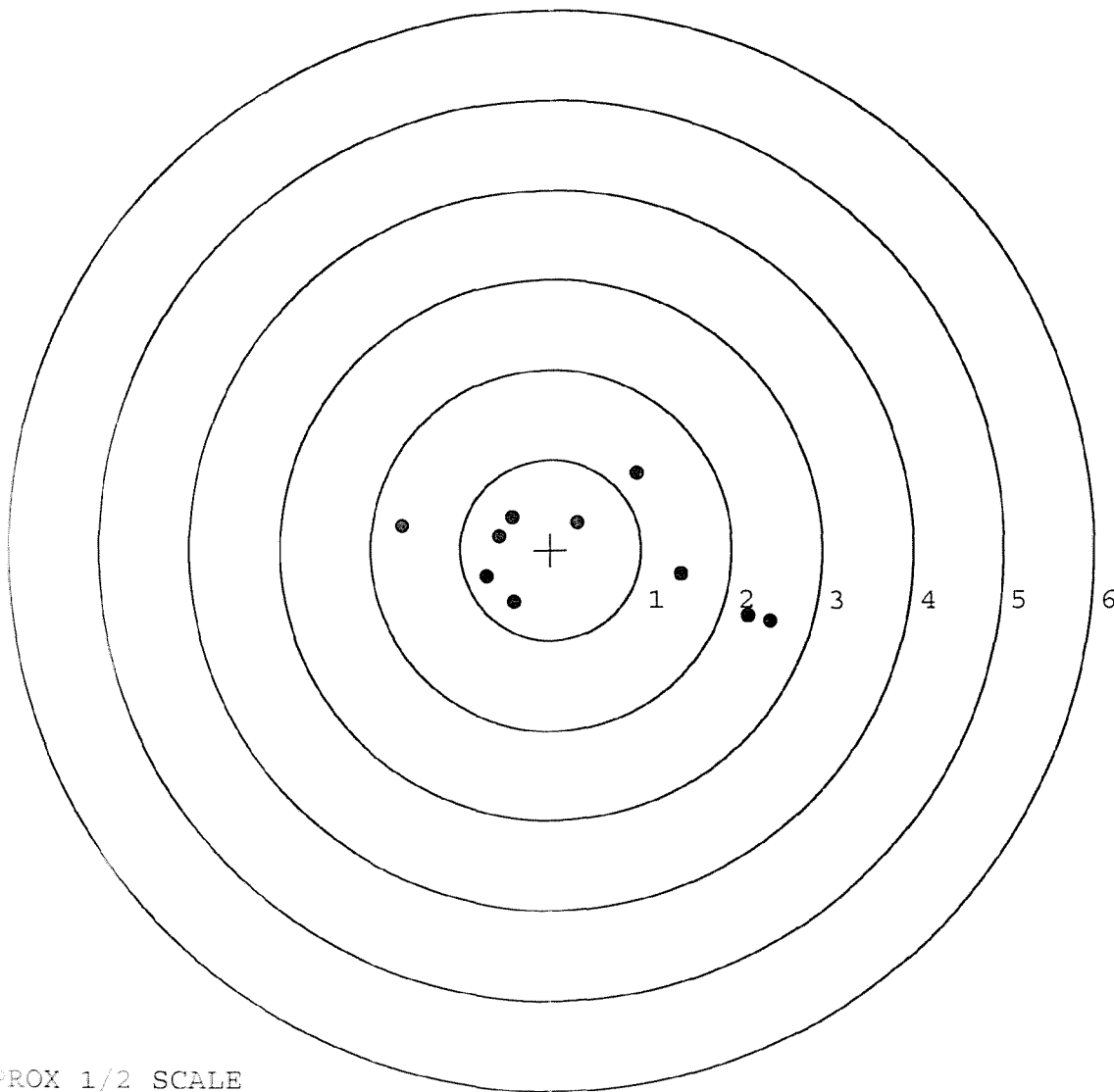
MEAN RADIUS: 1.261

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	2.425	-0.796
2:	2.178	-0.739
3:	1.437	-0.276
4:	0.951	0.851
5:	0.294	0.298
6:	-0.427	0.363
7:	-0.573	0.147
8:	-0.411	-0.586
9:	-0.713	-0.305
10:	-1.658	0.261



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611426. 0

TARGET NUMBER: 2

FILE DATE: 11/17/2005

FILE TIME: 15:11

POINT#	X	Y
1:	1.225	0.404
2:	0.778	0.232
3:	0.591	0.021
4:	0.442	0.014
5:	-0.111	-0.232
6:	-0.372	0.140
7:	-1.125	0.227
8:	-1.327	0.248
9:	-1.764	0.194
10:	-1.017	-0.727

X CENTROID: -0.268

Y CENTROID: 0.052

POA TO CENTROID: 0.273

HORZ SPREAD: 2.989

VERT SPREAD: 1.131

GROUP SPREAD: 2.996

MIN RADIUS: 0.136

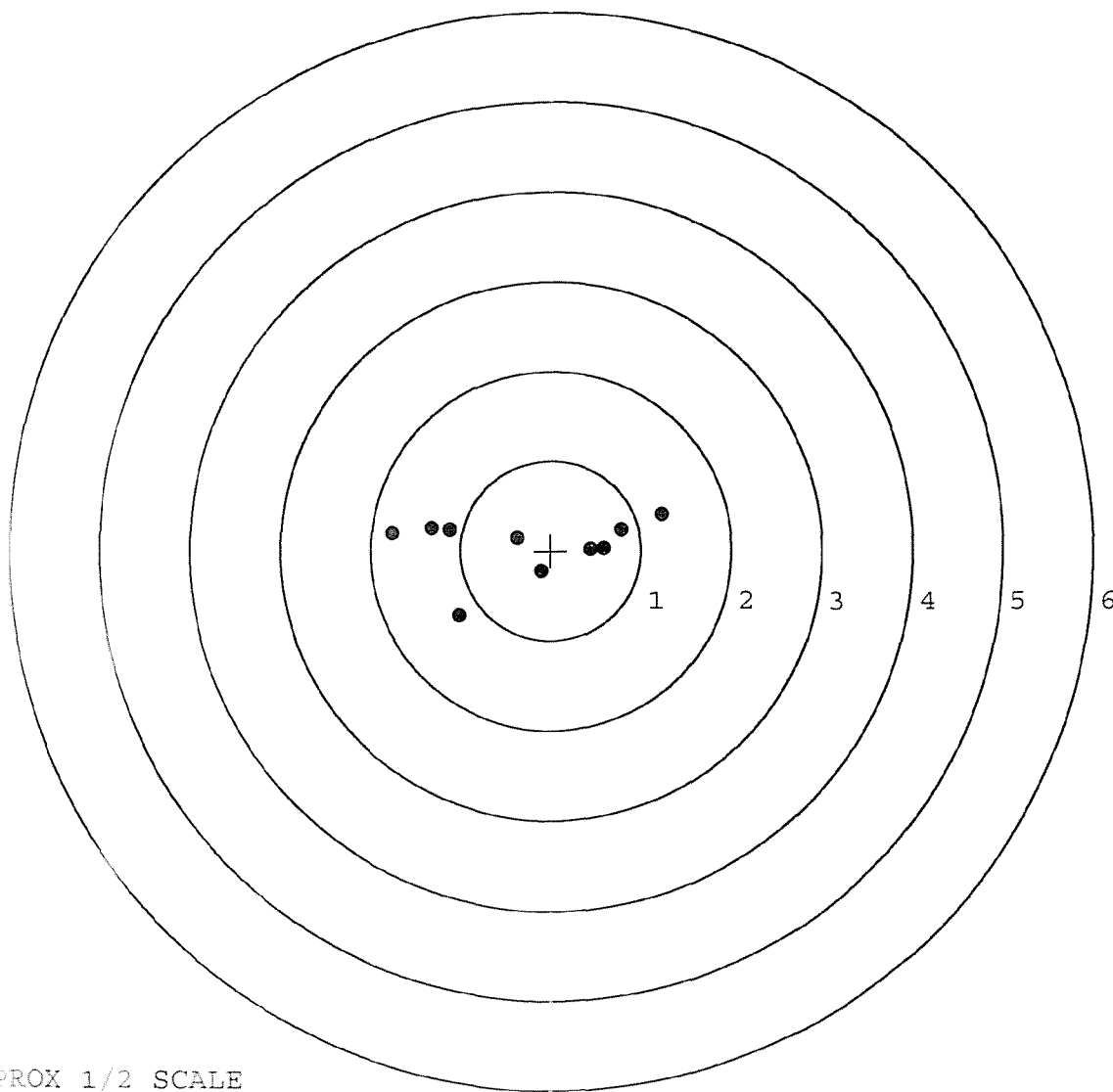
MAX RADIUS: 1.534

MEAN RADIUS: 0.916

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611426. 0

TARGET NUMBER: 3

FILE DATE: 11/17/2005

FILE TIME: 15:11

POINT#	X	Y
1:	1.820	0.546
2:	0.864	-0.767
3:	0.769	-0.497
4:	-0.024	-1.161
5:	-0.352	-0.863
6:	-0.006	0.106
7:	-0.632	0.004
8:	-0.573	0.794
9:	0.112	0.817
10:	-0.002	1.327

X CENTROID: 0.198

Y CENTROID: 0.031

POA TO CENTROID: 0.200

HORZ SPREAD: 2.452

VERT SPREAD: 2.488

GROUP SPREAD: 2.589

MIN RADIUS: 0.217

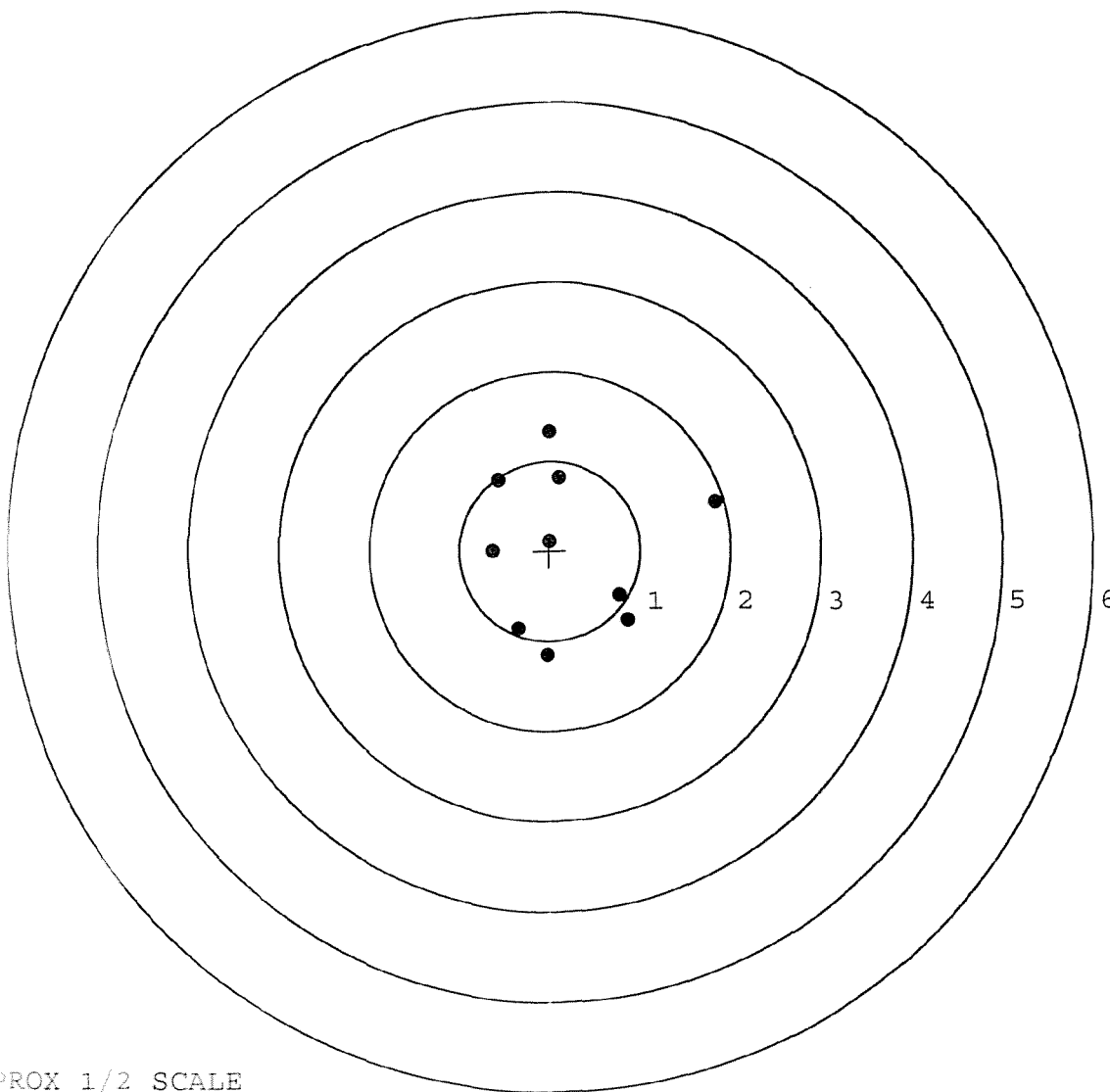
MAX RADIUS: 1.702

MEAN RADIUS: 1.002

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9

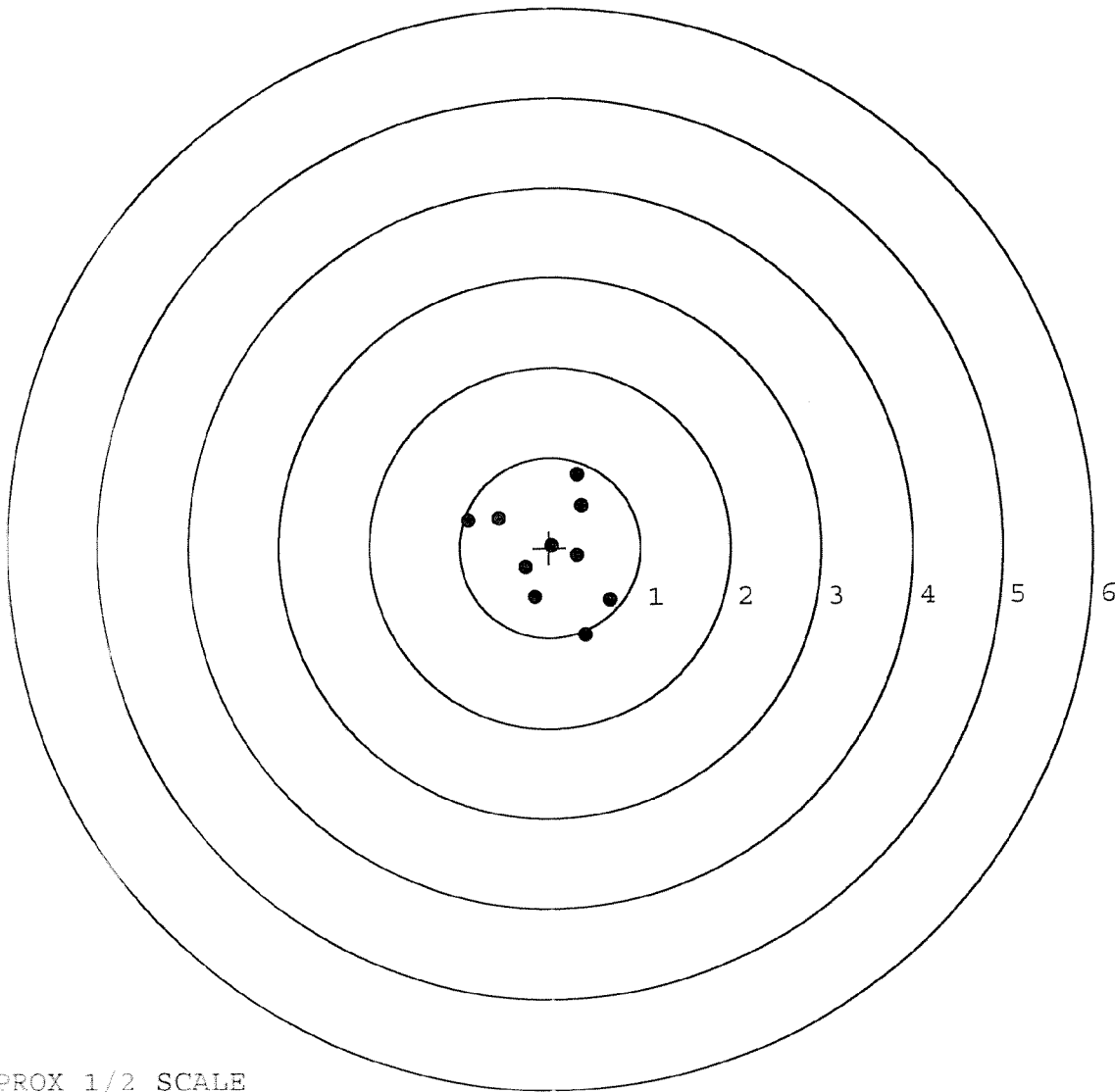


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611426. __0
 TARGET NUMBER: 4
 FILE DATE: 11/17/2005
 FILE TIME: 15:11

POINT#	X	Y
1:	0.388	-0.975
2:	0.665	-0.591
3:	0.312	0.813
4:	0.359	0.461
5:	0.303	-0.093
6:	0.020	0.022
7:	-0.172	-0.547
8:	-0.268	-0.218
9:	-0.564	0.329
10:	-0.904	0.312

X CENTROID: 0.014
 Y CENTROID: -0.049
 POA TO CENTROID: 0.051
 HORZ SPREAD: 1.569
 VERT SPREAD: 1.788
 GROUP SPREAD: 1.824
 MIN RADIUS: 0.071
 MAX RADIUS: 0.999
 MEAN RADIUS: 0.627
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611426. __0

TARGET NUMBER: 5

FILE DATE: 11/17/2005

FILE TIME: 15:11

POINT#	X	Y
1:	1.031	0.033
2:	0.508	0.011
3:	0.417	0.642
4:	0.164	-0.732
5:	-0.190	0.092
6:	-0.431	-0.092
7:	-0.528	-0.833
8:	-1.082	-0.850
9:	-1.255	-0.917
10:	-0.815	0.815

X CENTROID: -0.218

Y CENTROID: -0.183

POA TO CENTROID: 0.285

HORZ SPREAD: 2.286

VERT SPREAD: 1.732

GROUP SPREAD: 2.476

MIN RADIUS: 0.232

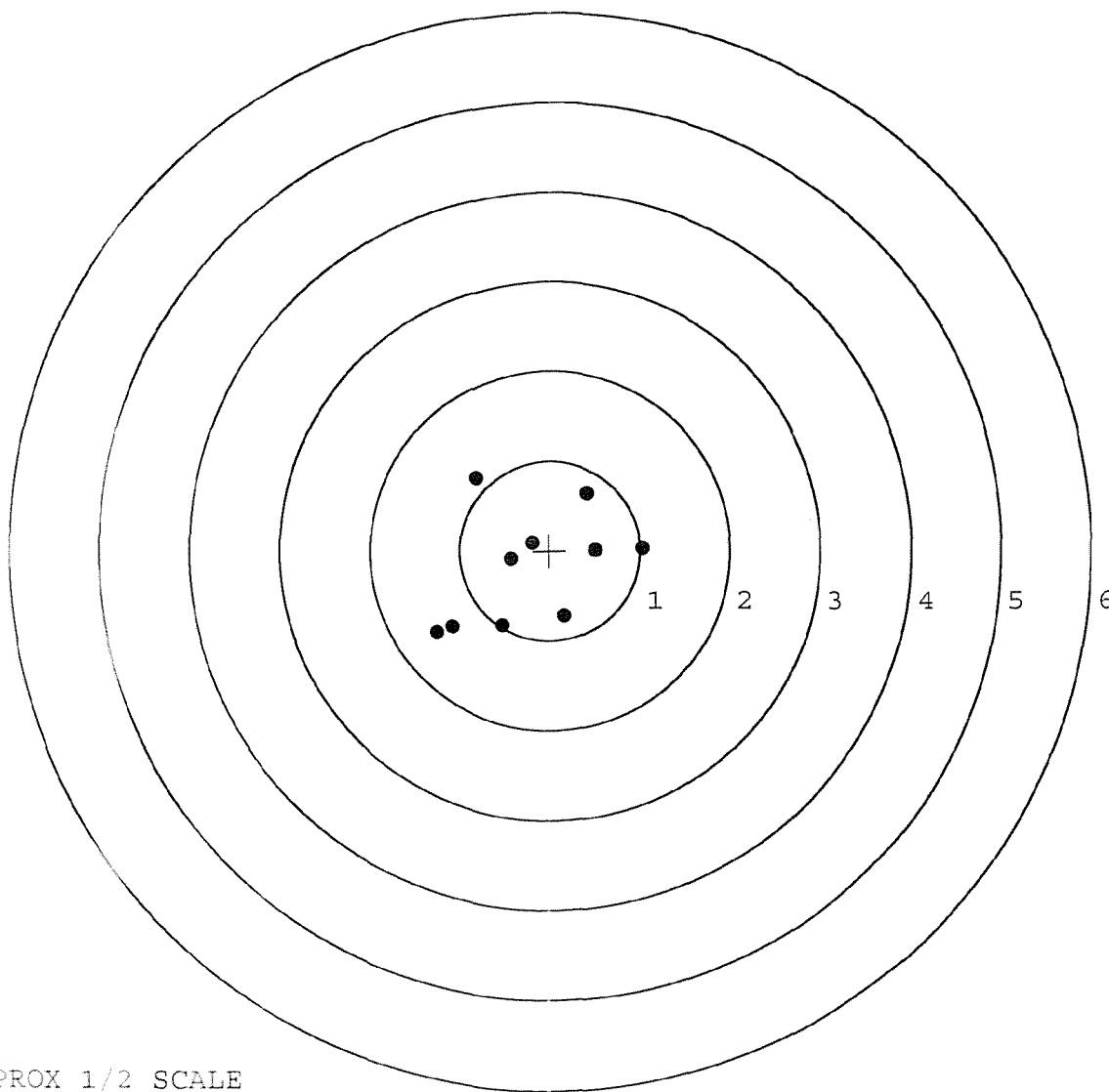
MAX RADIUS: 1.270

MEAN RADIUS: 0.848

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 11-7-05

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.58	2.53		2.49	
PULL #2	2.52	2.56		2.45	
PULL #3	2.60	2.57		2.50	
PULL #4	2.62	2.60		2.45	
PULL #5	2.61	2.50		2.58	
TOTAL	12.93	12.76		12.47	
AVERAGE	2.58	2.55		2.49	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	3.06		
PULL #2	3.15	3.13		
PULL #3	3.10	3.08		
PULL #4	3.10	3.08		
PULL #5	3.12	3.06		
TOTAL	15.52	15.41		
AVERAGE	3.10	3.08		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	3.99	4.11		4.07
PULL #2	4.07	3.92		4.14
PULL #3	4.17	3.96		4.13
PULL #4	4.15	4.12		4.08
PULL #5	4.16	4.15		3.90
TOTAL	20.54	20.26		20.32
AVERAGE	4.10	4.05		4.06

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

R & E NUMBER	103094			
SERIAL NUMBER	C66011426			
LOG-IN DATE	11-1-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-7-05	RTL
505	RE-BARREL		11-9-05	RTL
560	ASSEMBLE		11-9-05	CD
600	PROOF	MAGNA-FLUX	11-9-05	CD
605	CHECK HEADSPACE		11-9-05	CD
610	DIS-ASSEMBLE GUN		11-9-05	CD
612	MAGNAFLUX	OPERATOR <u>unl</u>	11/10/05	<u>unl</u>
510	DRILL AND TAP		11-6-05	BR
615	ROLLMARK CALIBER		11-10-05	CW
618	ROTO-BLAST		11-14-05	LB
620	APPLY COATINGS		11-15-05	H
625	FINAL ASSEMBLY		11-16-05	RTL
640	FUNCTION TEST AND	PASS FAIL	11-17-05	TRW
650	TARGET	PASS FAIL	11-17-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-17-05	TRW
670	FINAL INSPECTION			
	A) HEADSPACE	PASS FAIL	11-18-05	TR
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.50 2.50 2.60 2.70 2.50	11-18-05
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	11-18-05
	G) SAFETY OFF FORCE	2 LBS	3 lbs 3 lbs 3 lbs	11-18-05
	I) FIRING PIN INDENT	.020	.027 .026 .026	11-18-05
690	PACK		12-3-05	10A

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

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

MODEL 700™ M24

SERIAL NO.
C6611426

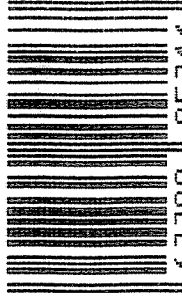
ORDER NO.
5716

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



5716 C6611426

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611426

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	RR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		APR 3 1991	FB
618	Polish Barrel		APR 3 1991	WB
620	Apply Coatings (Barrel Action)		4-19-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	LS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	LS
	C) Inspect Ejector Hole for Chamfer		5/1/91	LS
	D) Oil Firing Pin Ass'y		5/1/91	LS
	E) Adjust Trigger Pull to Min Setting and Stake		5-17-91	DH

op. #	BARBER M24 0076665	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	6			5-18-91	AC
	G) Safety Off Force	3	4	4			5-18-91	AC
	H) Trigger Pull Test & Retainability						5-17-91	PH
	I) Firing Pin Indent	.022	.022	.022			5-17-91	AC
	J) Assemble Stock						5-20-91	AC
	K) Assemble Swivel Studs						5/17/91	KS
	L) Attach Front and Rear Sight Assemblies						5/17/91	KS
	M) Iron Sight Alignment						5/17/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/17/91	KS
	O) Attach Scope to Rifle						5/17/91	KS
	P) Detach & Attach Scope 20 Times						5/17/91	KS
640	Gallery Target & Test						5/18/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/18/91	KT
655	Final Inspection							
	A) Headspace						5-20-91	AC
	B) Trigger Pull	2.15	2.18	2.20	2.15	2.15	5/20/91	PH
	C) Function						5-20-91	AC
660	Pack						6-17-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611426

DATE 8-17-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.62	2.56	2.72	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.60	2.75	2.18	
PULL #3	2.61	2.63	2.47	2.20	
PULL #4	2.59	2.54	2.50	2.15	
PULL #5	2.60	2.64	2.45	2.15	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.09		
PULL #2	3.12	3.21		
PULL #3	3.17	3.17		
PULL #4	3.19	3.18		
PULL #5	3.19	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.29		4.27
PULL #2	4.18	4.33		4.21
PULL #3	4.19	4.35		4.19
PULL #4	4.14	4.38		4.23
PULL #5	4.19	4.33		4.18
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611426
18 May 1991

CENTROIDAL DISTANCES

0 TO 1	.270858
1 TO 2	.355788
1 TO 3	.426283
1 TO 4	.578975
1 TO 5	.426353

4.1 <----POA

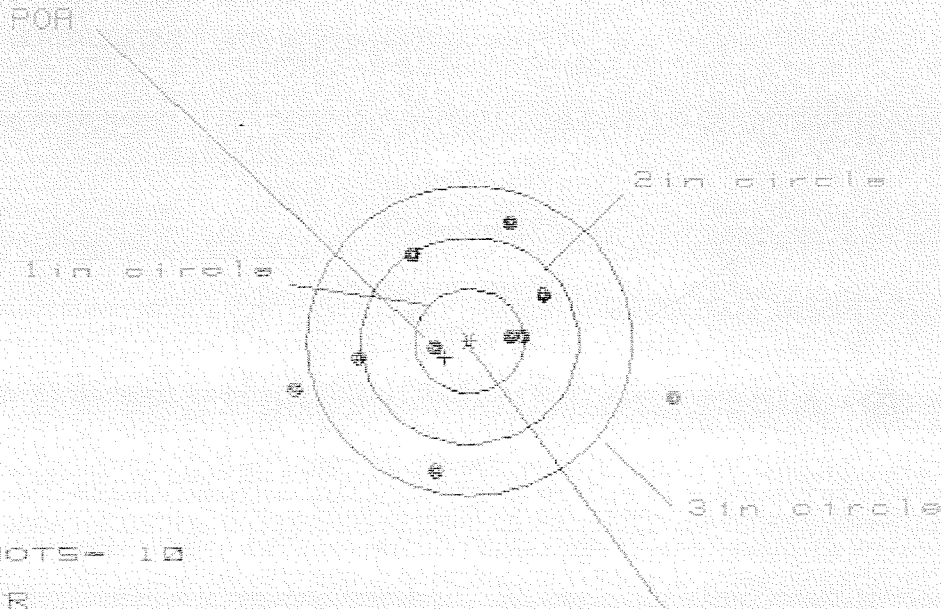
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0612
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0386
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0723561

THE AMR FOR THIS RIFLE IS: .8402

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06811426

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 3.441

VS= 2.427

GS= 3.442

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.844	.901	.727
MINIMUM X	-1.597	-1.392	-1.026
MAXIMUM Y	1.129	1.071	1.009
MINIMUM Y	-1.298	-1.356	-1.418
CENTROID X	.220	.015	.189
CENTROID Y	.158	.216	.278
POA TO CENTROID in.	.271	.217	.336
MIN RADIUS	.300	.120	.301
MEAN RADIUS	1.014	.906	.814
MAX RADIUS	1.916	1.478	1.444
HORIZONTAL SPREAD	3.441	2.293	1.753
VERTICAL SPREAD	2.427	2.427	2.427
EXTREME SPREAD	3.442	2.529	2.523
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

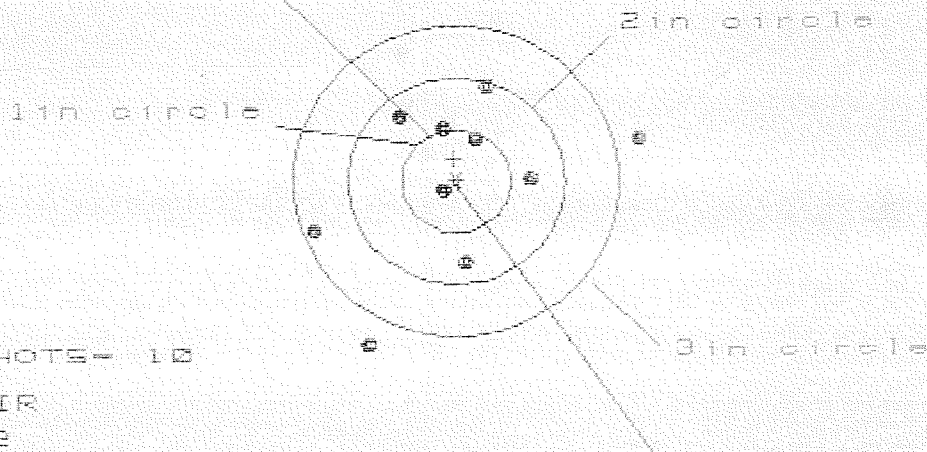
18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611426

CENTERFIRE PATTERNS

5

POB



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.955

VS= 2.567

GS= 3.182

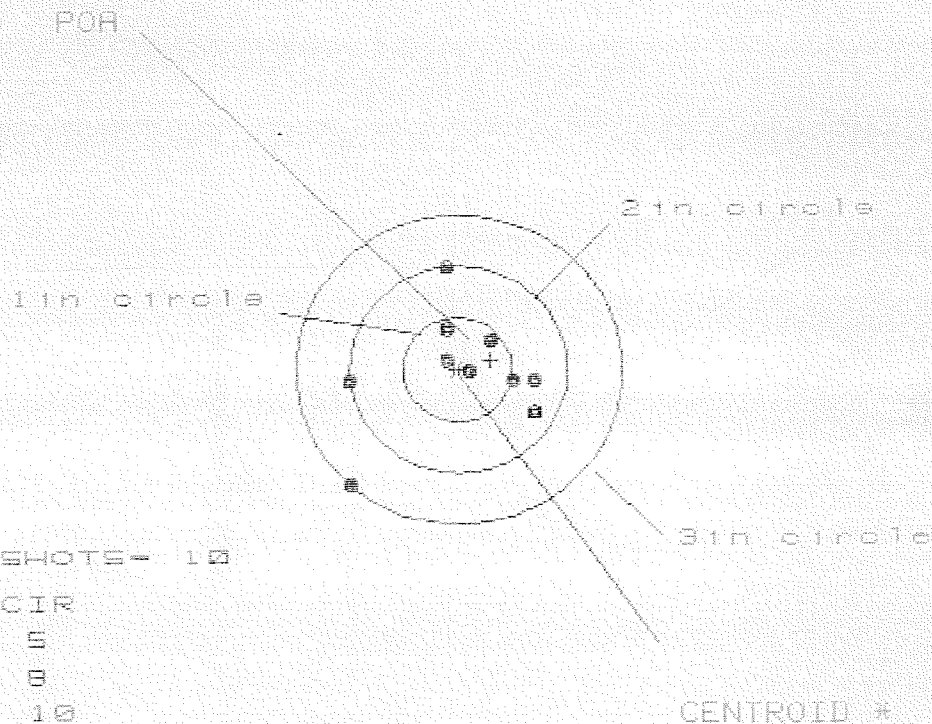
CENTROID, *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.650	1.556	.810
MINIMUM X	-1.315	-1.409	-1.214
MAXIMUM Y	.961	.782	.806
MINIMUM Y	-1.607	-.920	-.896
CENTROID X	.019	.113	-.082
CENTROID Y	-.218	-.039	-.053
POB TO CENTROID in.	.218	.119	.103
MIN RADIUS	.151	.276	.276
MEAN RADIUS	.930	.805	.702
MAX RADIUS	1.815	1.568	1.355
HORIZONTAL SPREAD	2.965	2.965	2.024
VERTICAL SPREAD	2.567	1.702	1.702
EXTREME SPREAD	3.182	3.075	2.112
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

10 May 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= 1.705

VS= 2.039

GS= 2.230

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.693	.580	.442
MINIMUM X	-1.012	-1.109	-.396
MAXIMUM Y	.959	.839	.806
MINIMUM Y	-1.080	-.480	-.513
CENTROID X	-.300	-.187	-.049
CENTROID Y	-.092	.028	.061
POA TO CENTROID in.	.313	.189	.078
MIN RADIUS	.140	.145	.196
MEAN RADIUS	.654	.531	.445
MAX RADIUS	1.481	1.138	.883
HORIZONTAL SPREAD	1.705	1.689	.838
VERTICAL SPREAD	2.039	1.319	1.319
EXTREME SPREAD	2.230	1.704	1.543
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

18 May 1981

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 8

HS = 1.201

VS = 3.628

GS = 3.717

CENTROID *

PATTERN #

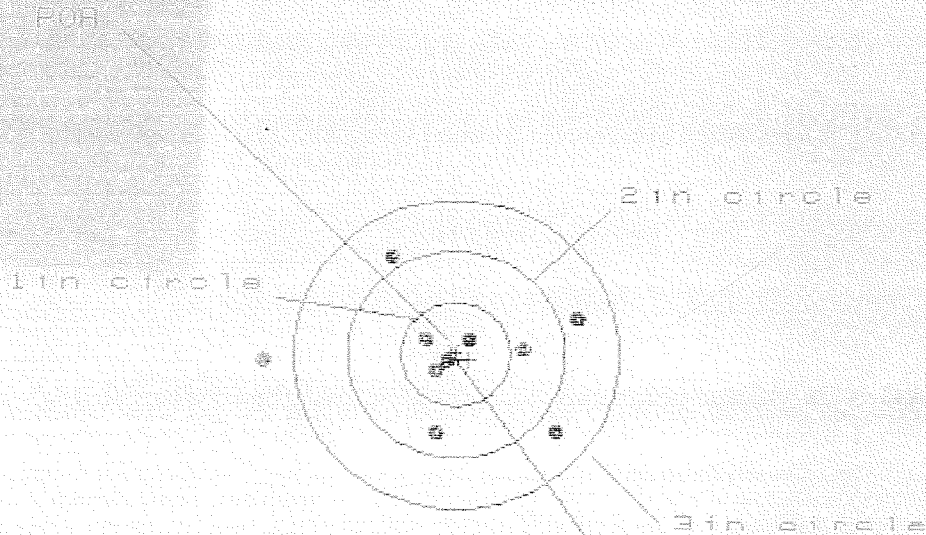


SHOTS (BEST OF)	10	9	8
MAXIMUM X	.609	.633	.562
MINIMUM X	-.592	-.568	-.639
MAXIMUM Y	1.475	1.236	.648
MINIMUM Y	-2.153	-1.427	-1.273
CENTROID X	-.126	-.150	-.079
CENTROID Y	-.091	.148	-.006
POA TO CENTROID in.	.155	.211	.079
MIN RADIUS	.179	.120	.083
MEAN RADIUS	.865	.645	.580
MAX RADIUS	2.164	1.561	1.391
HORIZONTAL SPREAD	1.201	1.201	1.201
VERTICAL SPREAD	3.628	2.663	1.921
EXTREME SPREAD	3.717	2.920	2.062
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

18 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.901

VS= 1.740

GS= 2.931

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.141	.946	1.041
MINIMUM X	-1.760	-.747	-.652
MAXIMUM Y	.965	.961	.863
MINIMUM Y	-.775	-.779	-.810
CENTROID X	-.119	.076	-.019
CENTROID Y	.050	.054	.152
POA TO CENTROID in.	.129	.094	.153
MIN RADIUS	.056	.144	.063
MEAN RADIUS	.738	.639	.558
MAX RADIUS	1.760	1.217	1.082
HORIZONTAL SPREAD	2.901	1.693	1.693
VERTICAL SPREAD	1.740	1.740	1.673
EXTREME SPREAD	2.931	2.305	1.791
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		