

C6522178

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead

Repair Inquiry

Repair Number: RE00123768

Serial: C6522178 Model M24 SWS Center Fire
Caliber: 308

Repairman:

Verify Repair

Status:

Closed 1/17/2007 8:14:16 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPT OF ARMY COO 2/1 SFG (A)

DEPT OF ARMY COO 2/1 SFG (A)

Address 1: ATTN SGT SHEPARD DONALD

ATTN SGT SHEPARD DONALD

Address 2: BOX 339500 MS 78

PO Box:

BOX 339500 MS 78

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	2

Repair Search

Refresh

Close

nagletj

1/17/2007

9:54 AM

CAPS

NUM

INS

SCRL

start

4 M...

Arms...

Part S...

B Int...

RACI...

SAP L...

9:54 AM

Serial Number: C6522178

Model: M24 SWS



RE00123768

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522178.___0
FILE DATE AND TIME: 01/31/2007 12:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.024
The Average Y Centroid of the Five Target Set:	0.081
The Average Point of Impact of the Five Target Set:	0.085
The Average Mean Radius of the Five Target Set:	0.835
The Distance from POA to Centroid Target #1:	0.360
The Distance from Centroid Target #2 to Centroid Target #1:	0.269
The Distance from Centroid Target #3 to Centroid Target #1:	0.420
The Distance from Centroid Target #4 to Centroid Target #1:	0.393
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 1

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	0.036	-1.032
2:	-0.106	-0.637
3:	0.317	-0.412
4:	-1.350	-0.005
5:	-0.563	-0.296
6:	-0.193	0.332
7:	0.448	0.504
8:	0.705	0.944
9:	-0.091	1.733
10:	-1.058	1.952

X CENTROID: -0.186

Y CENTROID: 0.308

POA TO CENTROID: 0.360

HORZ SPREAD: 2.055

VERT SPREAD: 2.984

GROUP SPREAD: 3.178

MIN RADIUS: 0.025

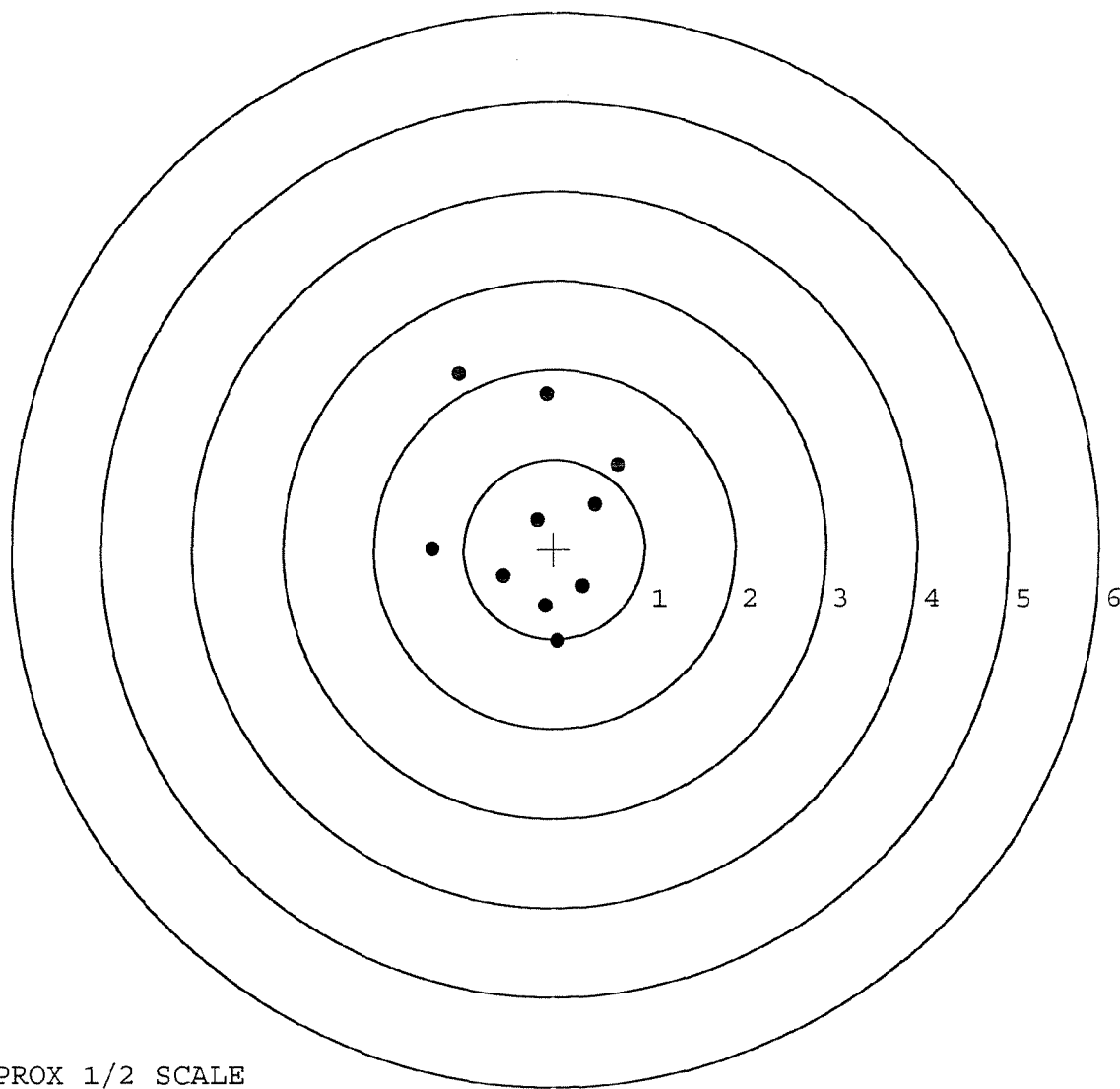
MAX RADIUS: 1.861

MEAN RADIUS: 1.017

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522178. 0

TARGET NUMBER: 2

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	0.041	-0.811
2:	-0.485	-0.649
3:	0.729	-0.536
4:	-0.248	-0.017
5:	0.055	-0.023
6:	0.443	0.288
7:	-0.044	0.319
8:	0.229	1.068
9:	-0.616	0.723
10:	-0.685	0.351

X CENTROID: -0.058

Y CENTROID: 0.071

POA TO CENTROID: 0.092

HORZ SPREAD: 1.414

VERT SPREAD: 1.879

GROUP SPREAD: 1.888

MIN RADIUS: 0.147

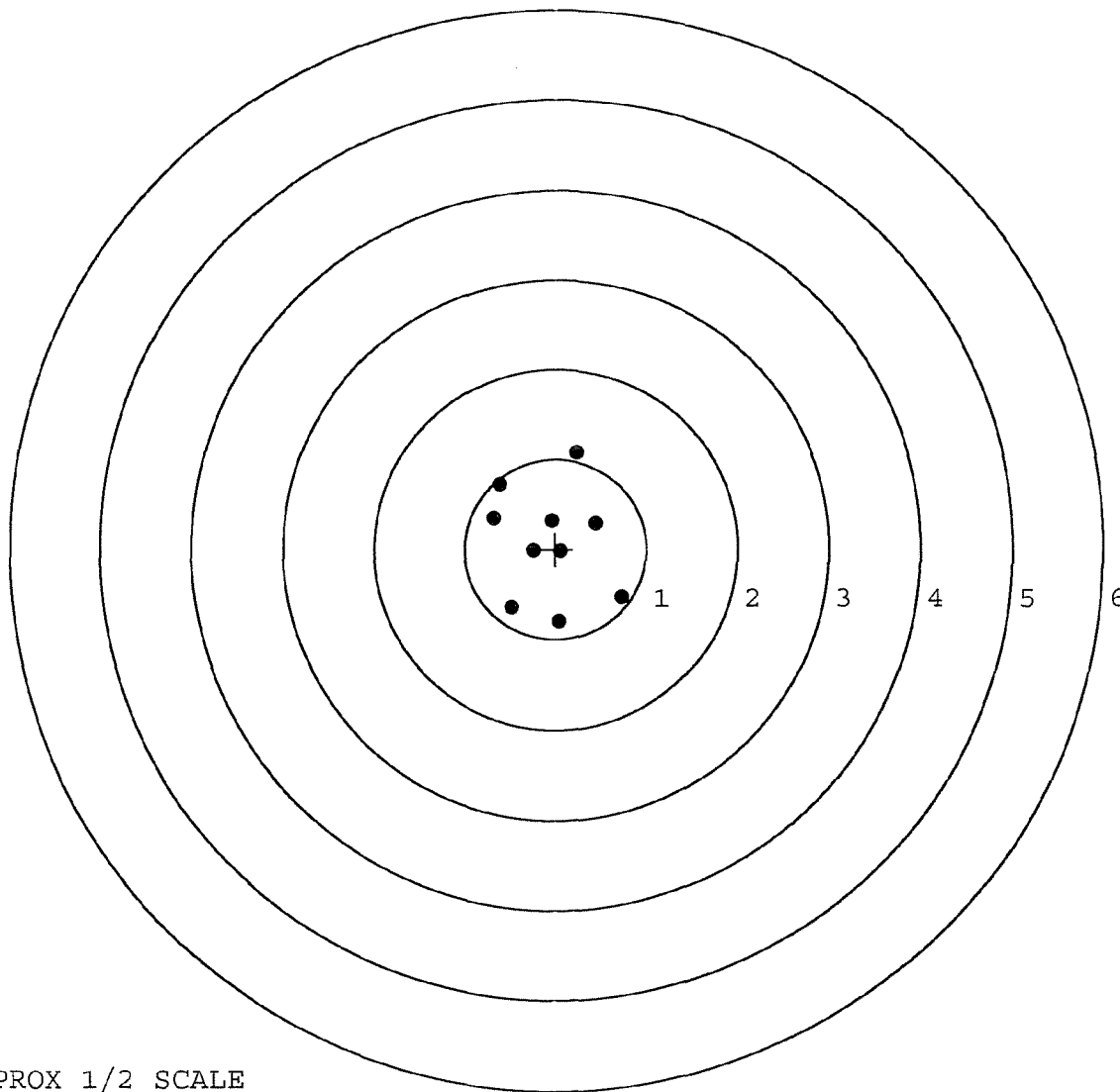
MAX RADIUS: 1.037

MEAN RADIUS: 0.645

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 3

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	-1.440	-0.411
2:	-0.780	-0.469
3:	-0.439	-0.209
4:	-0.107	-1.015
5:	1.199	-0.600
6:	0.569	-0.142
7:	1.372	0.437
8:	0.495	0.423
9:	0.088	0.829
10:	-0.007	1.113

X CENTROID: 0.095

Y CENTROID: -0.004

POA TO CENTROID: 0.095

HORZ SPREAD: 2.812

VERT SPREAD: 2.128

GROUP SPREAD: 2.937

MIN RADIUS: 0.494

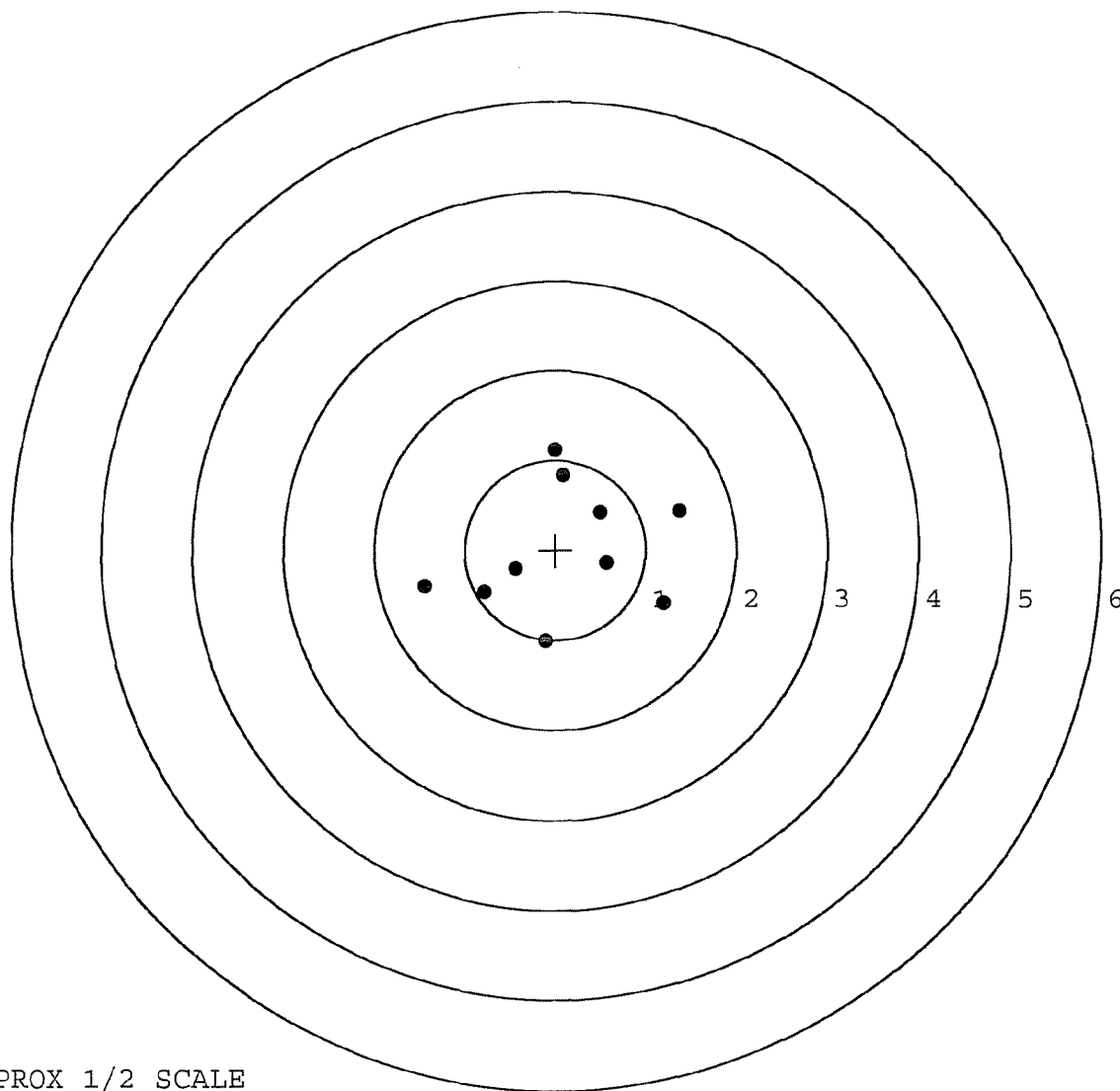
MAX RADIUS: 1.588

MEAN RADIUS: 0.982

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 4

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	-0.175	-0.801
2:	0.050	-0.901
3:	0.275	-0.574
4:	0.254	-0.111
5:	-0.089	-0.276
6:	0.365	0.558
7:	0.150	0.581
8:	-0.196	1.312
9:	-0.483	0.208
10:	-1.873	-0.836

X CENTROID: -0.172

Y CENTROID: -0.084

POA TO CENTROID: 0.192

HORZ SPREAD: 2.238

VERT SPREAD: 2.213

GROUP SPREAD: 2.725

MIN RADIUS: 0.209

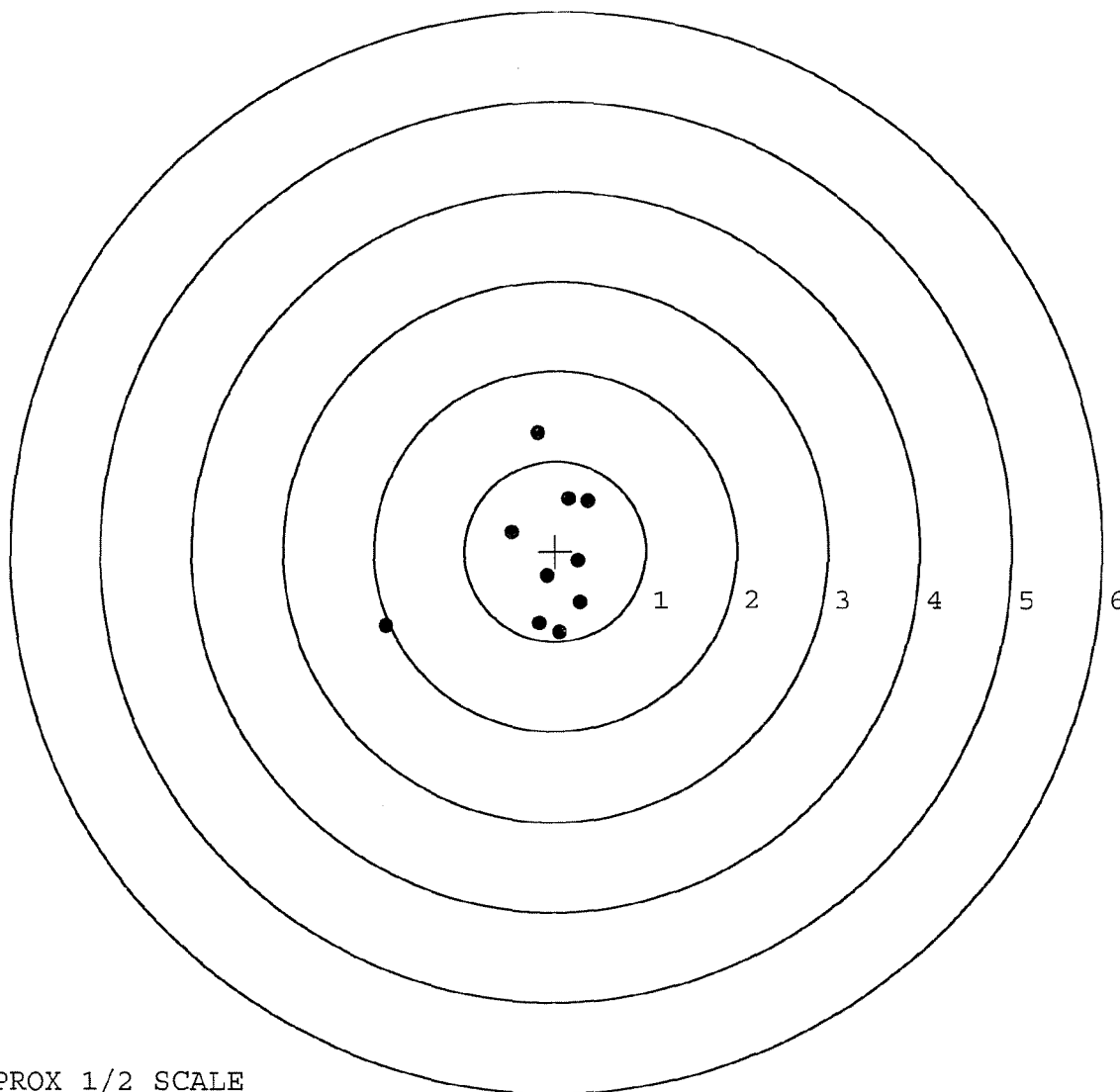
MAX RADIUS: 1.860

MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

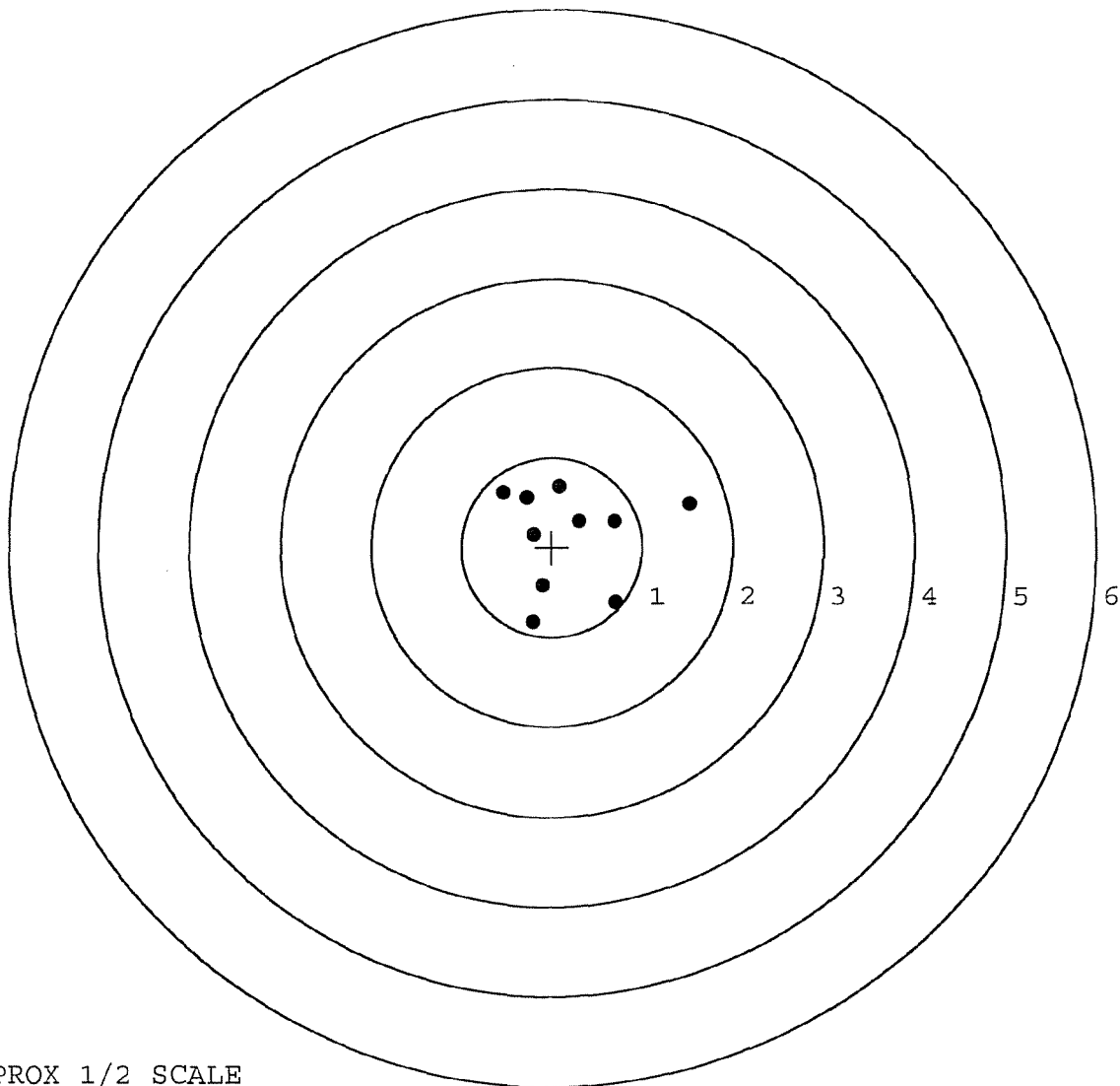
SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 5

FILE DATE: 01/31/2007

FILE TIME: 12:49

	POINT#	X	Y
	1:	1.524	0.486
	2:	0.707	-0.616
	3:	0.700	0.287
	4:	0.304	0.287
	5:	0.089	0.674
	6:	-0.275	0.554
	7:	-0.534	0.607
	8:	-0.203	0.145
	9:	-0.101	-0.432
	10:	-0.208	-0.836
X CENTROID:		0.200	
Y CENTROID:		0.116	
POA TO CENTROID:		0.231	
HORZ SPREAD:		2.058	
VERT SPREAD:		1.510	
GROUP SPREAD:		2.179	
MIN RADIUS:		0.200	
MAX RADIUS:		1.375	
MEAN RADIUS:		0.716	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	123768					
SERIAL NUMBER	06522178					
LOG-IN DATE	1-17-07					
OPERATION #	OPERATION NAME		DATE	INITIAL		
500	DIS-ASSEMBLE GUN		1-18-07	RTZ		
505	RE-BARREL		1-19-07	RTZ		
420	ASSEMBLE		1-19-07	RTZ		
440	PROOF	MAGNA-FLUX INSPECTED				
460	CHECK HEADSPACE		1-19-07	RP		
470	DIS-ASSEMBLE GUN	JAN 23 2007	1-22-07	RTZ		
480	MAGNAFLUX	OPERATOR APD	1-23-07	APD		
510	DRILL AND TAP		1-22-07	Fm		
500	ROLLMARK CALIBER		1-23-07	CW		
520	GOFF BLAST BBL / REC		1-23-07	LB		
530 & 540	APPLY COATINGS		1-25-07	WR		
560	FINAL ASSEMBLY		1-30-07	RTZ		
640	FUNCTION TEST AND	PASS FAIL	1/30/07	non		
650	TARGET	PASS FAIL	1/30/07	non		
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
670	FINAL INSPECTION		1-30-07	TRW		
	A) HEADSPACE	PASS FAIL	2-1-07	RTZ		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.59 2.74 2.74 2.72 2.68	1-31-07	TRW	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 5.2	1-31-07	PA	
	G) SAFETY OFF FORCE	2 LBS MIN	3.2 3.2 3.2	1-31-07	PA	
	I) FIRING PIN INDENT	.020	1.025 1.024 1.024	1-31-07	PA	
690	PACK		2-1-07	PA		

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY		STOCK ASSEMBLY	
_____ BARREL	_____ STOCK		
_____ RECEIVER	_____ SLING SWIVEL STUDS		
_____ FRONT SIGHT BASE	_____ BUTT PATE		
_____ REAR SIGHT BASE	_____ LOCK NUTS		
_____ SCREWS	_____ BARREL CLEARANCE		
_____ FINISH	_____ COLOR / FINISH		
SCOPE ASSEMBLY		SYSTEM CASE	
_____ SCOPE	_____ SCOPE CASE		
_____ SCOPE RINGS	_____ IRON SIGHTS		
_____ MOUNTING SCREWS	_____ DEPLOYMENT KIT		
_____ MOUNTING BASE	_____ TRIGGER ASSEMBLY		
_____ SCREWS	_____ SAFETY OPERATION		
_____ FINISH	_____ RE-SET TO FACTORY SPECS		
_____ CLARITY			
COMMENTS: _____			

F006 REV 5/2006

COMMENTS

R ORDER
94-18291

INITIAL	CUSTOMER ORDER NO.
FDC	DAAA09-92-C-0834

- W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/10/94	06/10/94		C6522178		700 7-62 NATO
ACCESSORIES	SLING STRAP	HARD CASE	SCOPE MNTS	SCOPE BASE	2

90-0467

FROM:

SHIP TO:

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

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			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

+ Stock	326.89
Trigger Assy	173.71
* Mag Spring	1.70
Serp. Rep	119.43
Clean/Insp/Prep	50.00
	721.73

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
-----------	-------	-------	------	--------	---------

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
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OFFICE COPY

RD6925 REV 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400003491

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522178

DATE 10-18-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.71	2.70	2.55		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.61	2.53		
PULL #3	2.74	2.59	2.52		
PULL #4	2.77	2.57	2.53		
PULL #5	2.75	2.61	2.53		
TOTAL	13.41	13.08	12.66		
AVG.	2.72	2.61	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.02		
PULL #2	3.00	3.00		
PULL #3	3.00	3.03		
PULL #4	3.07	3.03		
PULL #5	3.07	3.02		
TOTAL	15.20	15.10		
AVG.	3.04	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.16	4.29	
PULL #2	4.19	4.14	4.28	
PULL #3	4.18	4.12	4.32	
PULL #4	4.18	4.14	4.29	
PULL #5	4.00	4.13	4.00	
TOTAL	20.78	20.69	21.18	
AVG.	4.15	4.13	4.23	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522178

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	7	7	7			4/27	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/4			4/27	WB
	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							
	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	2.80	2.76	2.76	2.76	2.67	4/27	WB
	C) Function							
660	Pack							

Remington®



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

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

MODEL 700™ H24

SERIAL NO.

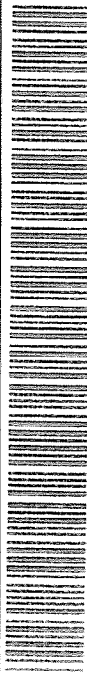
C6522178

ORDER NO.

5716

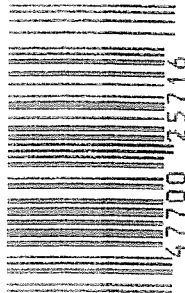
01

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



5716 C6522178

UPC



0 47700 25716 7

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522#78

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/90	KJ
600	Proof		6/27/90	KJ
607	Check Headspace		6/27/90	KJ
610	Dis-assemble Gun		6/27/90	KJ
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	S. S.
617	Drill and Tap Sight Holes		7/11/90	LB
618	Polish Barrel RB		7/13/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly		8/2/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/2/90	KS
	C) Inspect Ejector Hole for Chamfer		8/2/90	KS
	D) Oil Firing Pin Ass'y		8/2/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-90	Q/L

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/27/90	921
	G) Safety Off Force	3	3	3			7/27/90	921
	H) Trigger Pull Test & Retainability						9-6-90	921
	I) Firing Pin Indent	.0235	.0235	.0235			7/27/90	921
	J) Assemble Stock						8/6/90	KS
	K) Assemble Swivel Studs						9/6/90	921
	L) Attach Front and Rear Sight Assemblies						8/6/90	KS
	M) Iron Sight Alignment						8/6/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/6/90	KS
	O) Attach Scope to Rifle						8/6/90	KS
	P) Detach & Attach Scope 20 Times						8/6/90	KS
640	Gallery Target & Test						8-9-90	DH
	A) Time						8-9-90	DH
	B) Malfunctions						8-9-90	DH
	C) Pierced Primers						8-9-90	DH
	D) Optical Clarity of Scope						8-9-90	DH
645	Inspect for Live Ammo						8-9-90	DH
655	Final Inspection							
	A) Headspace						9/6/90	921
	B) Trigger Pull	2.36	2.49	2.50	2.50	2.50	9-6-90	921
	C) Function						9/6/90	921
660	Pack						12-9-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522178

DATE 9-6-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.27	2.25	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.27	2.20	2.49	
PULL #3	2.24	2.25	2.23	2.50	
PULL #4	2.29	2.26	2.23	2.50	
PULL #5	2.23	2.25	2.25	2.50	
TOTAL	11.36	11.30	11.16	12.35	
AVG.	2.272	2.26	2.232	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.47		
PULL #2	3.45	3.44		
PULL #3	3.43	3.46		
PULL #4	3.41	3.41		
PULL #5	3.44	3.44		
TOTAL	17.18	17.22		
AVG.	3.436	3.444		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.24		4.26
PULL #2	4.20	4.22		4.16
PULL #3	4.18	4.28		4.26
PULL #4	4.23	4.22		4.24
PULL #5	4.22	4.22		4.27
TOTAL	21.02	21.18		21.29
AVG.	4.204	4.236		4.258

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522178
12 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.136821
1 TO	2	.114586
1 TO	3	.25386
1 TO	4	.19244
1 TO	5	.618855

5. <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0518
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0624
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0810987

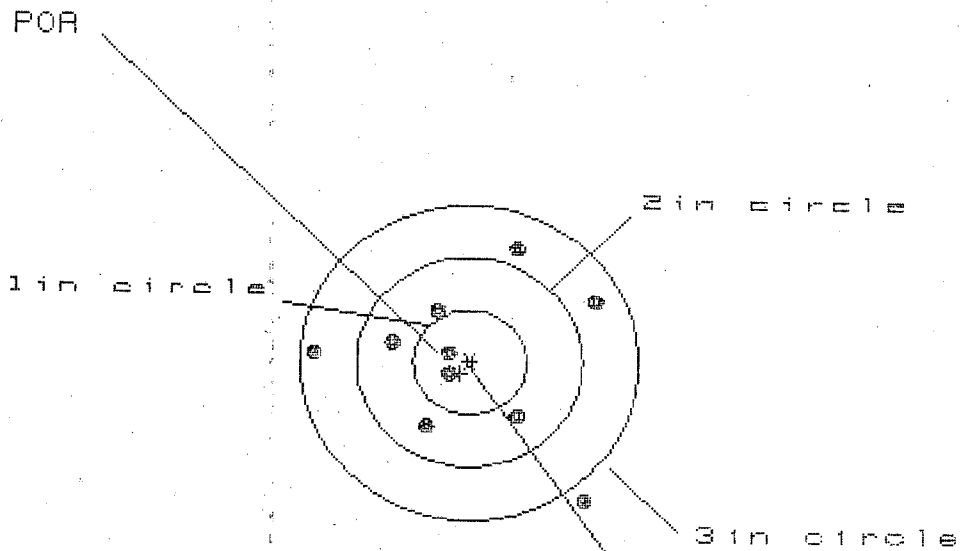
THE AMR FOR THIS RIFLE IS: .9382

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.507

VS = 2.379

GS = 2.753

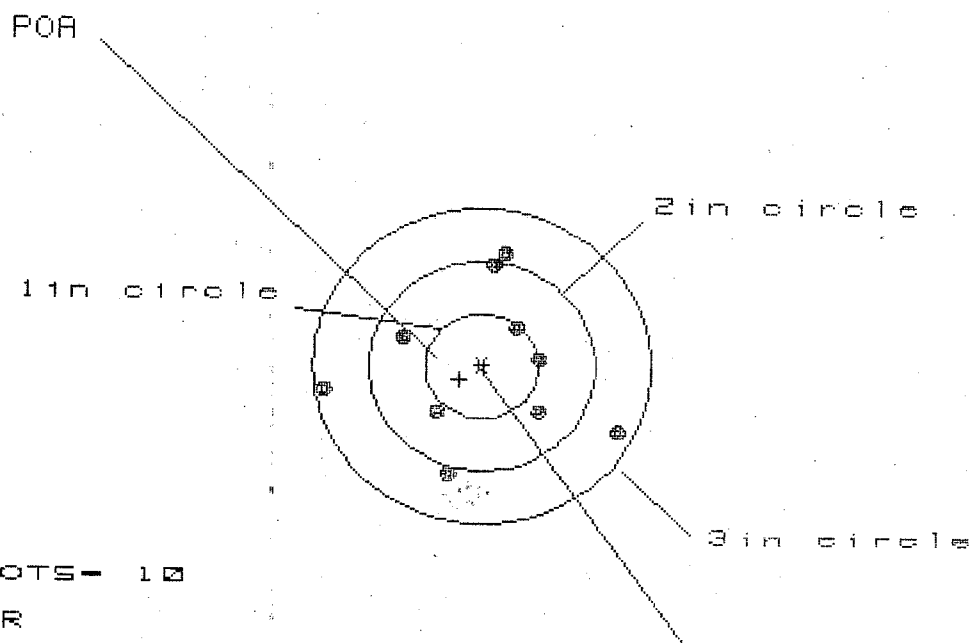
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.151	1.264	1.109
MINIMUM X	:	-1.356	-1.243	-.688
MAXIMUM Y	:	1.051	.904	.894
MINIMUM Y	:	-1.328	-.732	-.742
CENTROID X	:	.084	-.029	.126
CENTROID Y	:	.108	.255	.265
POR TO CENTROID in.	:	.137	.257	.294
MIN RADIUS	:	.154	.098	.220
MEAN RADIUS	:	.837	.721	.680
MAX RADIUS	:	1.672	1.342	1.194
HORIZONTAL SPREAD	:	2.507	2.507	1.797
VERTICAL SPREAD	:	2.379	1.636	1.636
EXTREME SPREAD	:	2.753	2.562	1.976
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522178

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.520

VS = 2.139

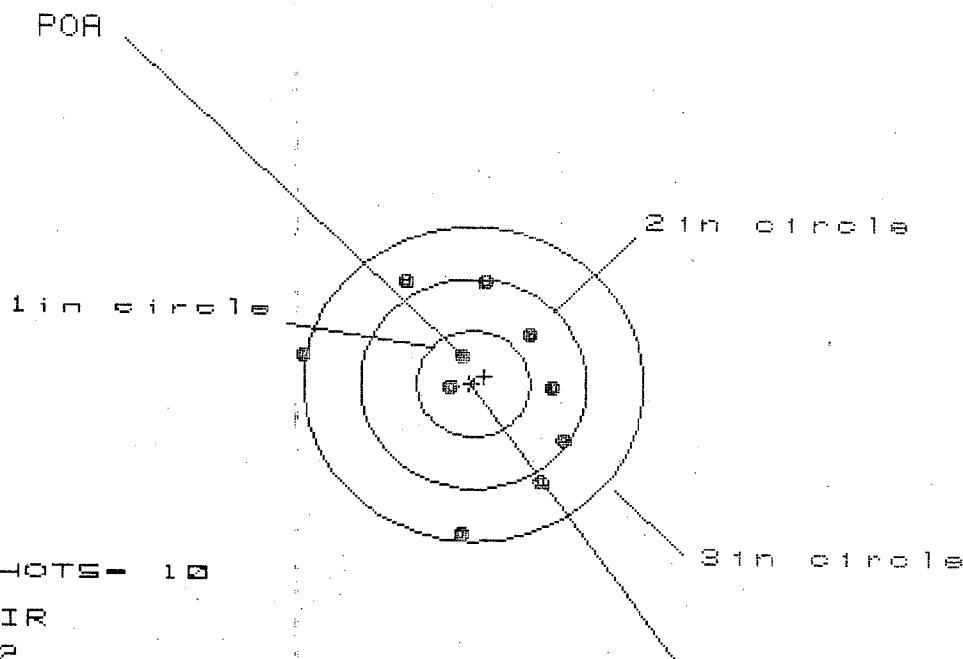
GS = 2.553

PATTERN #	:	22		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.158	1.007	.520
MINIMUM X	:	-1.362	-.877	-.752
MAXIMUM Y	:	1.069	1.042	.957
MINIMUM Y	:	-1.070	-1.097	-1.182
CENTROID X	:	.197	.348	.222
CENTROID Y	:	.127	.154	.239
POA TO CENTROID in.	:	.234	.381	.326
MIN RADIUS	:	.465	.363	.365
MEAN RADIUS	:	.897	.823	.771
MAX RADIUS	:	1.384	1.215	1.228
HORIZONTAL SPREAD	:	2.520	1.884	1.271
VERTICAL SPREAD	:	2.139	2.139	2.139
EXTREME SPREAD	:	2.553	2.211	2.211
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/C6522178

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.342

VS= 2.458

GS= 2.493

CENTROID #

PATTERN #	:	434		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.806	.635	.596
MINIMUM X	:	-1.536	-.801	-.840
MAXIMUM Y	:	.987	1.021	.842
MINIMUM Y	:	-1.471	-1.437	-1.121
CENTROID X	:	-.097	.074	.113
CENTROID Y	:	-.070	-.104	.075
POA TO CENTROID in.	:	.120	.128	.136
MIN RADIUS	:	.232	.397	.359
MEAN RADIUS	:	.924	.845	.740
MAX RADIUS	:	1.567	1.471	1.174
HORIZONTAL SPREAD	:	2.342	1.436	1.436
VERTICAL SPREAD	:	2.458	2.458	1.963
EXTREME SPREAD	:	2.493	2.473	2.267
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522178

CENTERFIRE PATTERNS

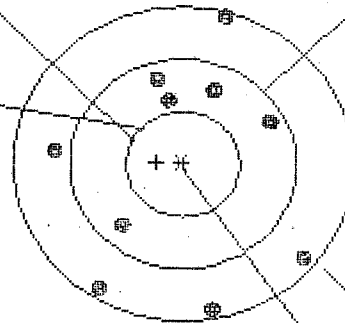
4

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.182

VS= 2.789

GS= 2.827

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	1.082	1.124
MINIMUM X	:	-1.145	-1.100	-1.058
MAXIMUM Y	:	1.405	1.011	.857
MINIMUM Y	:	-1.384	-1.228	-1.176
CENTROID X	:	.232	.187	.145
CENTROID Y	:	-.015	-.172	-.018
POA TO CENTROID in.	:	.233	.254	.146
MIN RADIUS	:	.615	.634	.605
MEAN RADIUS	:	1.070	1.031	.973
MAX RADIUS	:	1.463	1.316	1.442
HORIZONTAL SPREAD	:	2.182	2.182	2.182
VERTICAL SPREAD	:	2.789	2.239	2.033
EXTREME SPREAD	:	2.827	2.399	2.399
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 3.076

VS= 1.661

GS= 3.118

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.456	1.275	1.046
MINIMUM X	-1.621	-1.208	-1.048
MAXIMUM Y	.836	.834	.894
MINIMUM Y	-.825	-.827	-.767
CENTROID X	-.157	.023	-.137
CENTROID Y	-.462	-.460	-.520
POA TO CENTROID in.	.488	.460	.538
MIN RADIUS	.093	.265	.145
MEAN RADIUS	.963	.896	.814
MAX RADIUS	1.621	1.364	1.218
HORIZONTAL SPREAD	3.076	2.483	2.094
VERTICAL SPREAD	1.661	1.661	1.661
EXTREME SPREAD	3.118	2.491	2.306
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 8		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522178
9 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.591321
1 TO	2	.63247
1 TO	3	.612047
1 TO	4	.876608
1 TO	5	.537848

+ 1 <----POA
5 23

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .257
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.7324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .776182
THE AMR FOR THIS RIFLE IS: .9026

9 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HSI = 0.400

VSR = 2.359

CSR = 2.581

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

1.637

-1.145

.744

-1.613

.494

-.325

.591

.224

.822

1.649

2.482

2.359

2.581

9

1.300

-1.182

.564

-.866

.531

-.145

.550

.246

.717

1.312

2.482

1.436

2.501

3

7

9

8

.857

-1.019

.586

-.844

.368

-.167

.404

.089

.615

1.135

1.876

1.430

1.956

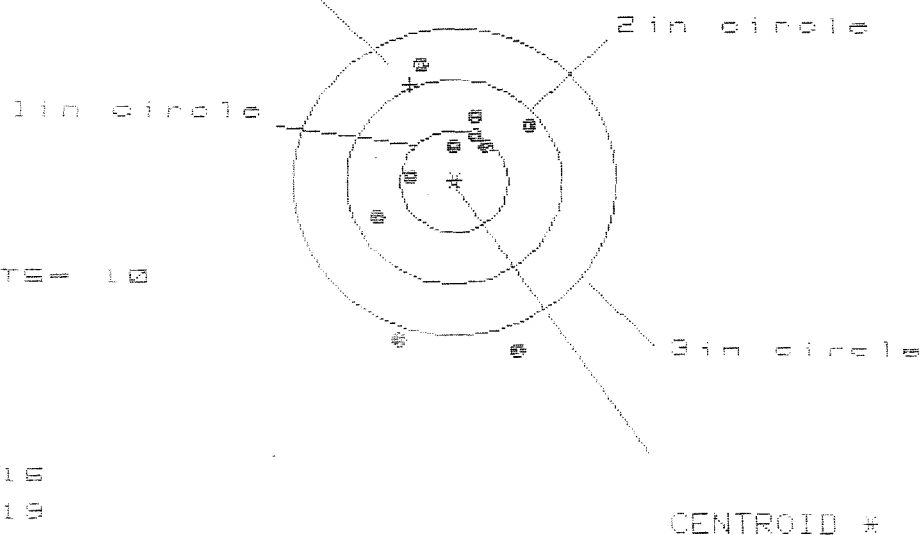
8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS

2

FOR



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.416

VS= 2.819

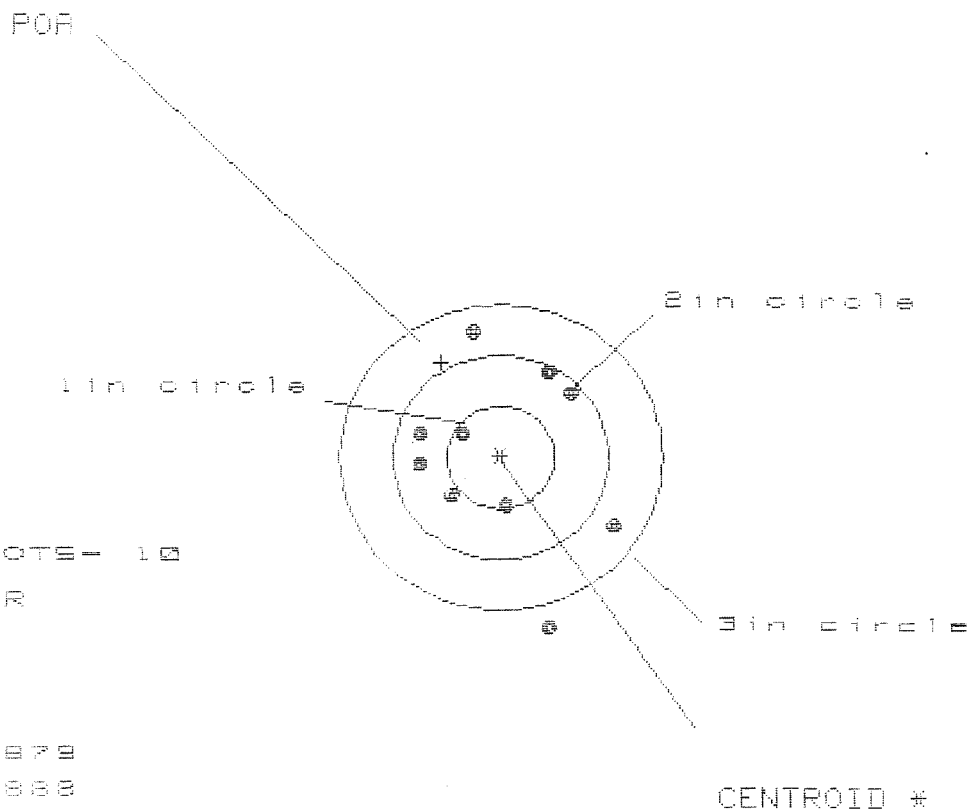
GS= 2.943

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.688	.752	.698
MINIMUM X	:	-.728	-.664	-.718
MAXIMUM Y	:	1.139	.952	.737
MINIMUM Y	:	-1.681	-1.716	-1.792
CENTROID X	:	.411	.347	.401
CENTROID Y	:	-.952	-.765	-.558
FOR TO CENTROID in.	:	1.007	.848	.681
MIN RADIUS	:	.387	.123	.098
MEAN RADIUS	:	.864	.695	.582
MAX RADIUS	:	1.776	1.768	1.969
HORIZONTAL SPREAD	:	1.416	1.416	1.416
VERTICAL SPREAD	:	2.819	2.668	1.529
EXTREME SPREAD	:	2.943	2.677	1.714
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

9 Aug 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

IS= 1.879

VS= 2.888

GS= 2.991

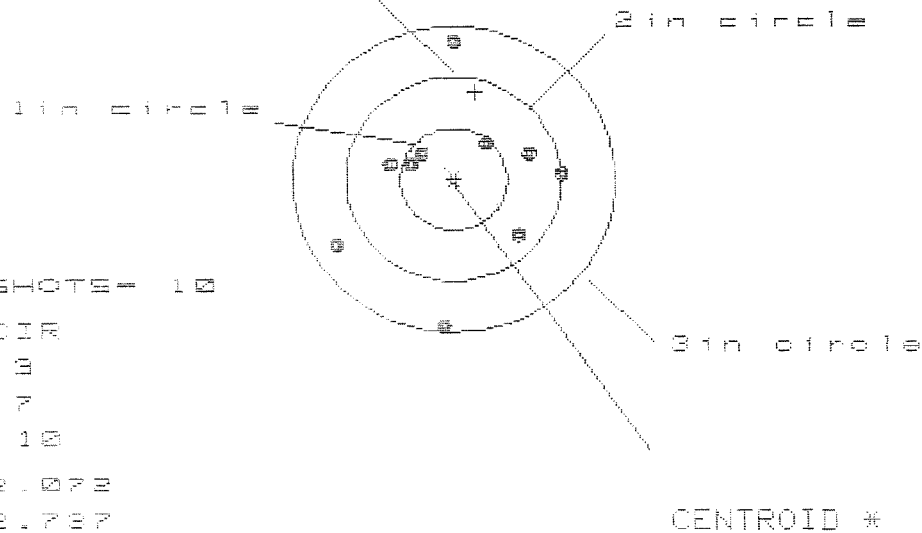
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	1.141	.864
MINIMUM X	:	-.792	-.738	-.595
MAXIMUM Y	:	1.200	1.013	.961
MINIMUM Y	:	-1.688	-.898	-.735
CENTROID X	:	.555	.501	.358
CENTROID Y	:	-.934	-.747	-.635
POA TO CENTROID in.	:	1.086	.899	.730
MIN RADIUS	:	.379	.261	.145
MEAN RADIUS	:	.908	.790	.678
MAX RADIUS	:	1.756	1.446	.967
HORIZONTAL SPREAD	:	1.879	1.879	1.399
VERTICAL SPREAD	:	2.888	1.961	1.636
EXTREME SPREAD	:	2.991	2.350	1.664
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Aug 1998

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CENTERFIRE PATTERNS # 4

POA



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.983	.973	.972
MINIMUM X	:	-1.089	-1.099	-1.100
MAXIMUM Y	:	1.338	1.182	.360
MINIMUM Y	:	-1.399	-.759	-.611
CENTROID X	:	-.205	-.195	-.194
CENTROID Y	:	-.854	-.698	-.846
POA TO CENTROID in.	:	.878	.725	.868
MIN RADIUS	:	.404	.341	.408
MEAN RADIUS	:	.849	.765	.719
MAX RADIUS	:	1.402	1.335	1.258
HORIZONTAL SPREAD	:	2.072	2.072	2.072
VERTICAL SPREAD	:	2.737	1.941	.971
EXTREME SPREAD	:	2.738	2.226	2.181
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

10 = 3.039

VS = 3.467

GS = 3.469

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.165	.957	.958
MINIMUM X	-1.874	-.757	-.756
MAXIMUM Y	1.651	1.686	1.464
MINIMUM Y	-1.815	-1.781	-1.424
CENTROID X	.038	.238	.237
CENTROID Y	-.597	-.631	-.409
POA TO CENTROID in.	.597	.675	.473
MIN RADIUS	.163	.267	.184
MEAN RADIUS	1.070	1.003	.883
MAX RADIUS	1.960	1.781	1.716
HORIZONTAL SPREAD	3.039	1.714	1.714
VERTICAL SPREAD	3.467	3.467	2.888
EXTREME SPREAD	3.469	3.469	3.006
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	