

C6348790

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®

M2400064120

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. 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: **RE00102228** Serial: C6348790 Model: M24 SWS Center Fire
 Caliber: 7.62 NATO Produced: 12/13/1989 Repairman: Status: Closed 10/12/2005 2:11:05 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **FB4484 305 APS/TRTC** **FB4484 305 APS/TRTC**

Address 1: **3101 VANDENBERG AVE** **3101 VANDENBERG AVE**

Address 2: PO Box: PO Box:

City: **MCGUIRE AIR FORCE BASE** **MCGUIRE AIR FORCE BASE**

State: **NJ** Zip Code: **08641** Country: **US** State: **NJ** Zip Code: **08641** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing															
Contact Information Phone: NA Fax: Email: Comments:	Received Condition Condition: Fair Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With 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>A057</td> <td>Frt 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	A057	Frt and Rear Sgt Base	1
Code	Desc	Qty																	
A007	With Stud	3																	
A010	Hard Case	1																	
A017	Scope Base	1																	
A057	Frt and Rear Sgt Base	1																	

Repair Search Refresh Close

magletj 10/13/2005 8:50 AM CAPS NUM IINS SCPL

start 2 3 3

Serial Number: **C6348790**

Model: **M24 SWS**



RE00102228

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

TESTER

10-13-05

S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.33	2.61		2.58	
PULL #2	2.56	2.70		2.36	
PULL #3	2.59	2.73		2.43	
PULL #4	2.68	2.85		2.54	
PULL #5	2.49	2.81		2.46	
TOTAL	12.65	13.70		12.37	
AVERAGE	2.53	2.74		2.47	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.42		
PULL #2	3.43	3.39		
PULL #3	3.39	3.51		
PULL #4	3.43	3.27		
PULL #5	3.27	3.39		
TOTAL	16.98	16.98		
AVERAGE	3.39	3.39		

	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	4.32	4.37		3.97
PULL #2	4.32	4.28		4.09
PULL #3	4.19	4.27		4.20
PULL #4	4.29	4.27		4.06
PULL #5	4.25	3.97		4.22
TOTAL	21.37	21.16		20.54
AVERAGE	4.27	4.23		4.11

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

R & E NUMBER	102228		
SERIAL NUMBER	C6348790		
LOG-IN DATE	10-12-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	10-17-05	RTZ
560 A	RE-BARREL		
B	DRILL AND TAP	N/A	TRW
575	ASSEMBLE	12-12-05	CO
600	PROOF	12-12-05	CO
605	CHECK HEADSPACE	12-12-05	CO
610	DIS-ASSEMBLE GUN	12-12-05	CO
612	MAGNAFLUX	12/15/05	und
615	ROLLMARK CALIBER	12-15-05	CW
618	ROTO-BLAST	12-16-05	LB
620	APPLY COATINGS	12/20/05	TRW
625 A	FINAL ASSEMBLY	12-28-05	RTZ
B	TRIGGER PULL TEST	12-28-05	AC
C	SAFETY "ON" FORCE	12-28-05	AC
D	SAFETY "OFF" FORCE	12-28-05	AC
E	FIRING PIN INDENT	12-28-05	AC
640	TARGET	12-28-05	TRW
655	FINAL INSPECT	12-28-05	AC
660	PACK	12-29-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348790.__0

FILE DATE AND TIME: 12/28/2005 15:51

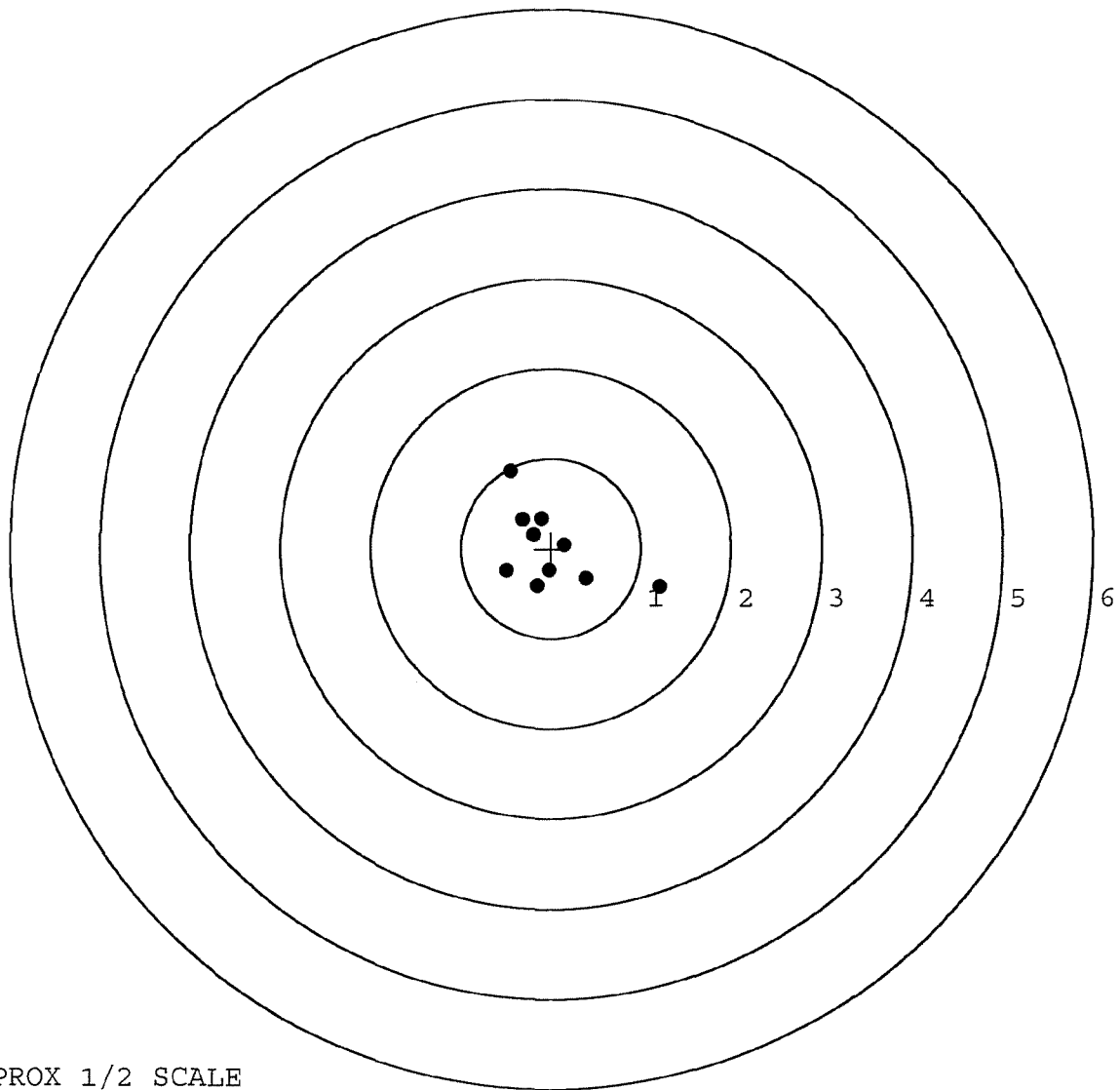
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.002
The Average Y Centroid of the Five Target Set:	-0.009
The Average Point of Impact of the Five Target Set:	0.009
The Average Mean Radius of the Five Target Set:	0.509
The Distance from POA to Centroid Target #1:	0.005
The Distance from Centroid Target #2 to Centroid Target #1:	0.065
The Distance from Centroid Target #3 to Centroid Target #1:	0.064
The Distance from Centroid Target #4 to Centroid Target #1:	0.175
The Distance from Centroid Target #5 to Centroid Target #1:	0.134

SERIAL NUMBER: C6348790.___0
TARGET NUMBER: 1
FILE DATE: 12/28/2005
FILE TIME: 15:51

POINT#	X	Y
1:	1.208	-0.427
2:	0.389	-0.336
3:	-0.499	-0.248
4:	-0.156	-0.414
5:	-0.022	-0.241
6:	0.148	0.044
7:	-0.118	0.338
8:	-0.320	0.326
9:	-0.198	0.147
10:	-0.454	0.858

X CENTROID: -0.002
Y CENTROID: 0.005
POA TO CENTROID: 0.005
HORZ SPREAD: 1.707
VERT SPREAD: 1.285
GROUP SPREAD: 2.101
MIN RADIUS: 0.155
MAX RADIUS: 1.285
MEAN RADIUS: 0.522
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

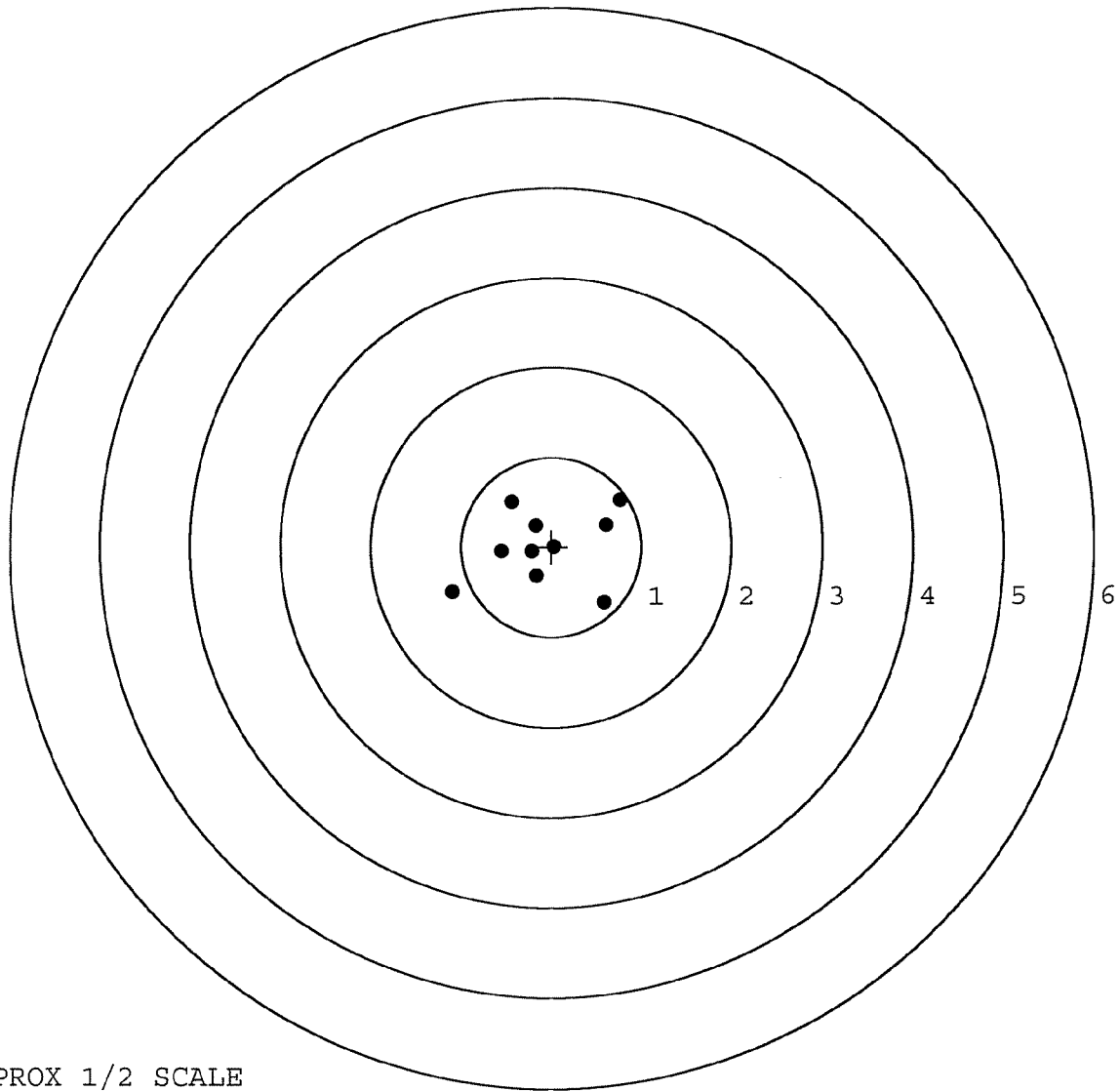


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348790. __0
TARGET NUMBER: 2
FILE DATE: 12/28/2005
FILE TIME: 15:51

POINT#	X	Y
1:	0.587	-0.622
2:	0.609	0.241
3:	0.766	0.523
4:	-0.442	0.506
5:	-1.095	-0.513
6:	-0.554	-0.056
7:	-0.176	0.240
8:	0.030	0.002
9:	-0.169	-0.327
10:	-0.222	-0.059

X CENTROID: -0.067
Y CENTROID: -0.007
POA TO CENTROID: 0.067
HORZ SPREAD: 1.861
VERT SPREAD: 1.145
GROUP SPREAD: 2.130
MIN RADIUS: 0.097
MAX RADIUS: 1.146
MEAN RADIUS: 0.574
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

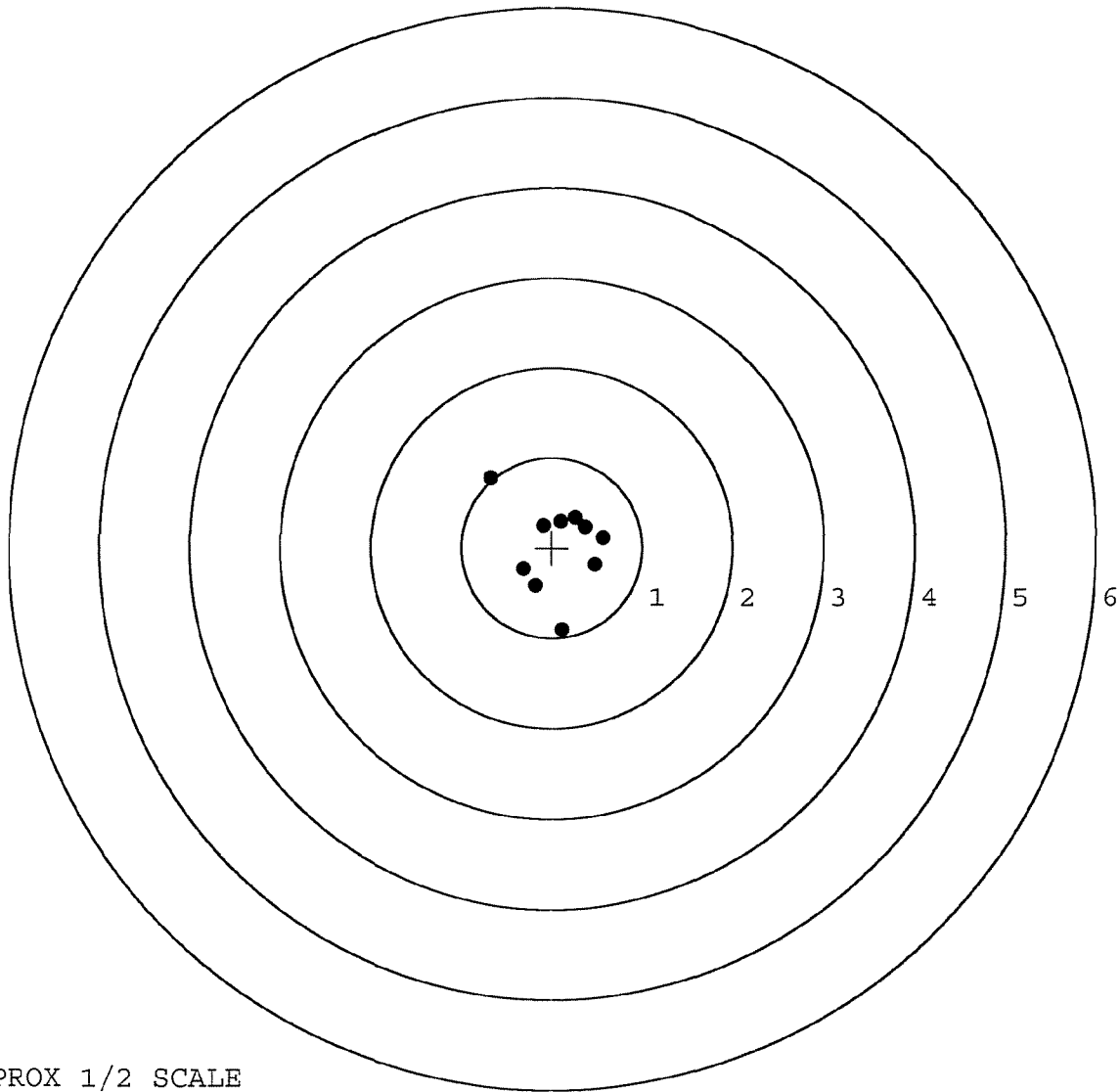


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348790.___0
TARGET NUMBER: 3
FILE DATE: 12/28/2005
FILE TIME: 15:51

POINT#	X	Y
1:	0.117	-0.914
2:	-0.186	-0.424
3:	-0.317	-0.237
4:	-0.674	0.774
5:	-0.106	0.241
6:	0.100	0.290
7:	0.256	0.339
8:	0.570	0.109
9:	0.474	-0.190
10:	0.363	0.227

X CENTROID: 0.060
Y CENTROID: 0.022
POA TO CENTROID: 0.063
HORZ SPREAD: 1.244
VERT SPREAD: 1.688
GROUP SPREAD: 1.864
MIN RADIUS: 0.272
MAX RADIUS: 1.051
MEAN RADIUS: 0.522
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348790.___0

TARGET NUMBER: 4

FILE DATE: 12/28/2005

FILE TIME: 15:51

POINT#	X	Y
1:	0.529	-0.159
2:	-1.187	-0.444
3:	-0.553	-0.430
4:	-0.421	-0.208
5:	0.006	0.242
6:	-0.071	-0.062
7:	-0.225	-0.234
8:	0.107	0.069
9:	0.240	0.012
10:	0.394	-0.047

X CENTROID: -0.118

Y CENTROID: -0.126

POA TO CENTROID: 0.173

HORZ SPREAD: 1.716

VERT SPREAD: 0.686

GROUP SPREAD: 1.740

MIN RADIUS: 0.080

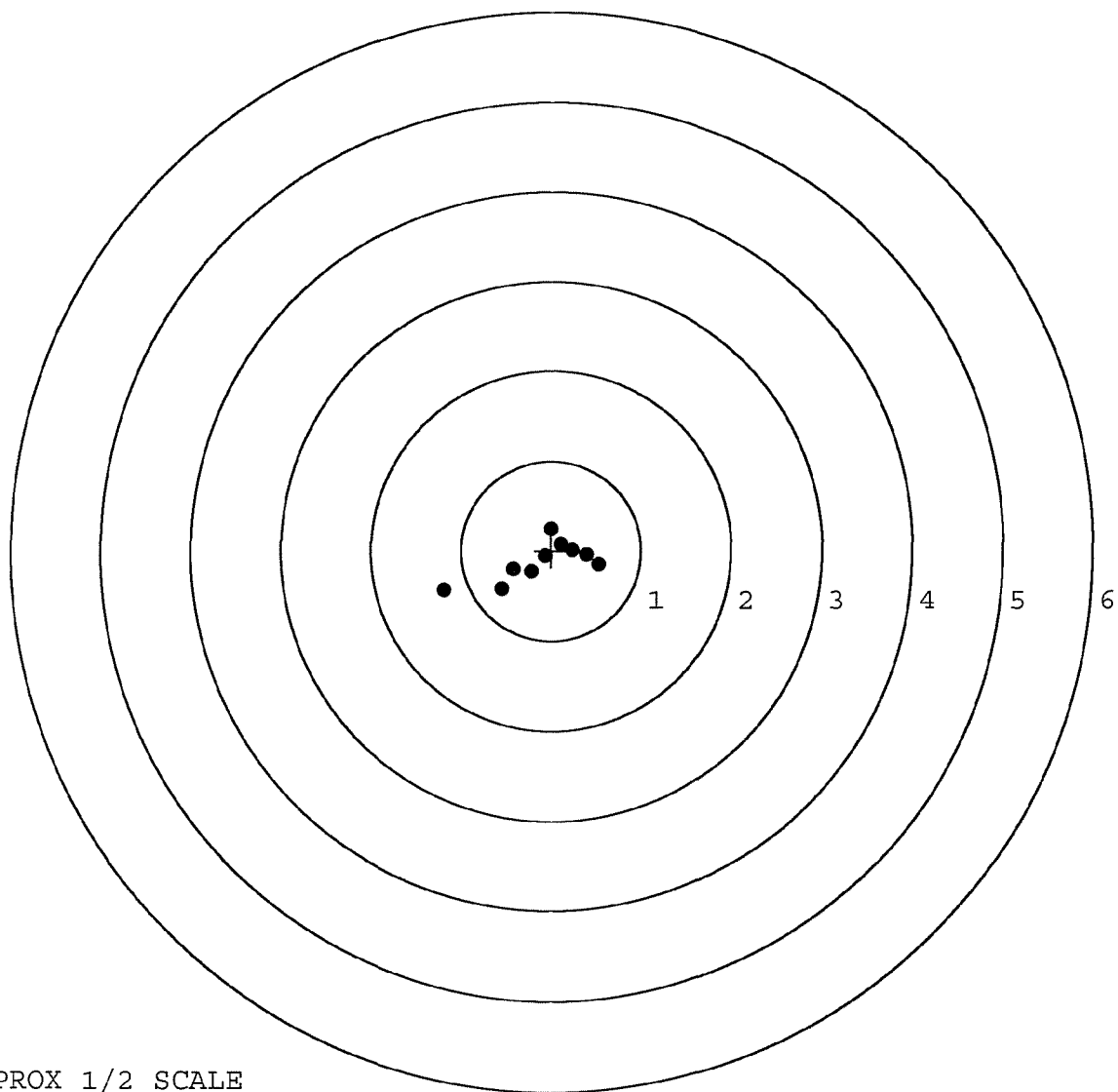
MAX RADIUS: 1.115

MEAN RADIUS: 0.443

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348790.___0

TARGET NUMBER: 5

FILE DATE: 12/28/2005

FILE TIME: 15:51

POINT#	X	Y
1:	0.765	0.331
2:	0.857	-0.055
3:	-0.430	0.744
4:	-0.431	0.290
5:	-0.231	0.042
6:	-0.309	-0.146
7:	0.250	-0.317
8:	0.087	-0.192
9:	0.353	-0.113
10:	0.276	0.047

X CENTROID: 0.119

Y CENTROID: 0.063

POA TO CENTROID: 0.134

HORZ SPREAD: 1.288

VERT SPREAD: 1.061

GROUP SPREAD: 1.515

MIN RADIUS: 0.158

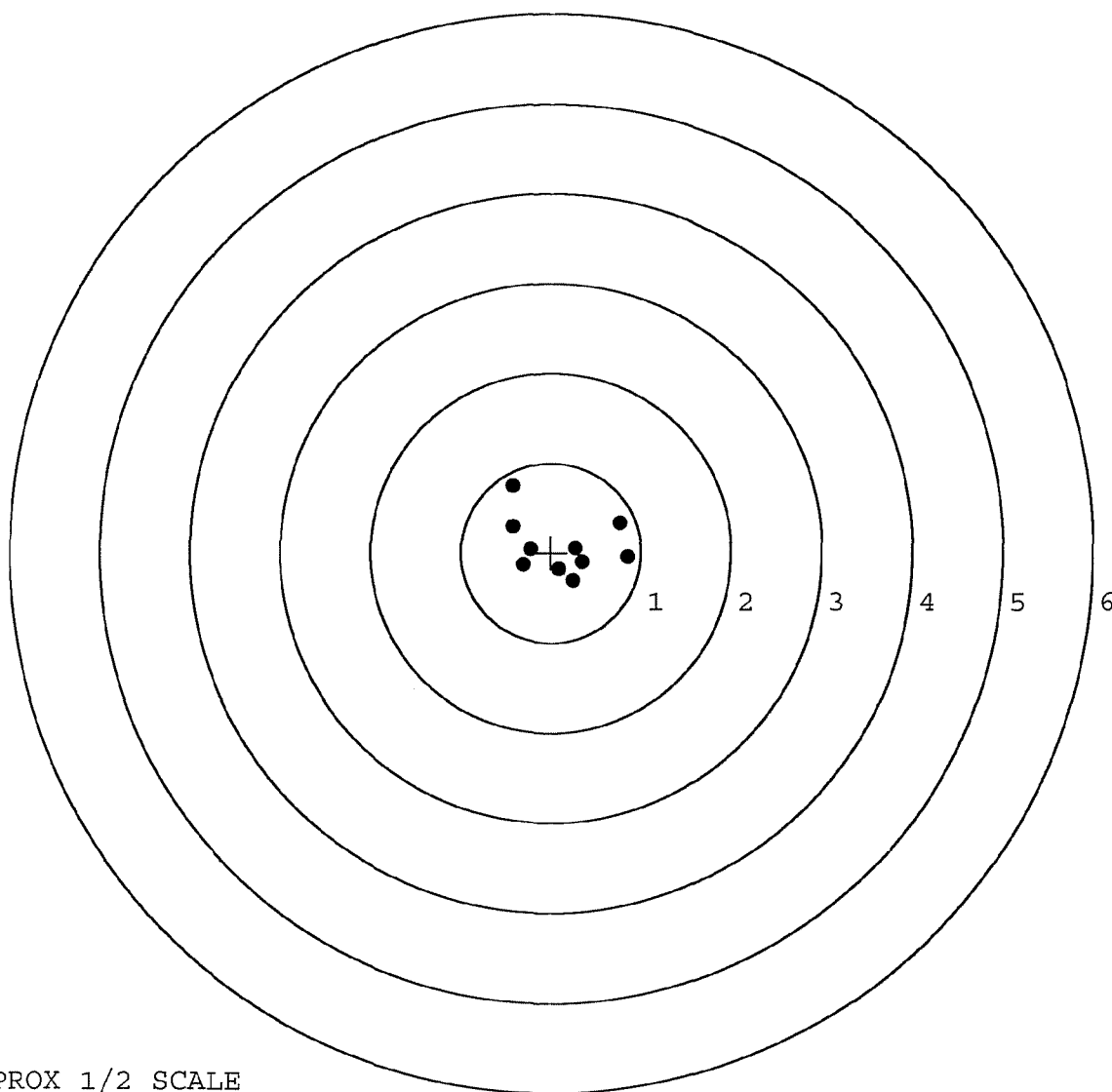
MAX RADIUS: 0.874

MEAN RADIUS: 0.485

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348790

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		SL
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		11/89	TA
	Apply Coating (Bolt)		10/11/89	TA
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		20 Oct 89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/23/89	JL
	G) Safety Off Force	4	3	3			10/23/89	JL
	H) Trigger Pull Test & Retainability						200/89	JL
	I) Firing Pin Indent	1021	1022	10215			10/23/89	JL
	J) Assemble Stock						10/23/89	RW
	K) Assemble Swivel Studs						250/89	JL
	L) Attach Front and Rear Sight Assemblies						12/1/89	RW
	M) Iron Sight Alignment						12/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						12/1/89	RW
	O) Attach Scope to Rifle						10/23/89	JL
	P) Detach & Attach Scope 20 Times						10/23/89	JL
640	Gallery Target & Test						10-24-89	D/H
	A) Time						10-24-89	D/H
	B) Malfunctions						10-24-89	D/H
	C) Pierced Primers						10-24-89	D/H
	D) Optical Clarity of Scope						10-24-89	D/H
645.	Inspect for Live Ammo						10-24-89	D/H
655	Final Inspection							
	A) Headspace						250/89	JL
	B) Trigger Pull	273	275	271	272	273	250/89	JL
	C) Function						250/89	JL
660	Pack						150/89	JL

RC 52

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348790

DATE 13 Mar 88

TESTER JSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	243	244		258	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	245	248		253	
PULL #3	245	244		258	
PULL #4	244	233		251	
PULL #5	247	245		255	
TOTAL	1224	1214			
AVG.	2448	2428			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	336	340		
PULL #2	327	342		
PULL #3	335	339		
PULL #4	338	339		
PULL #5	336	338		
TOTAL	1672	1698		
AVG.	3344	3396		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	433	427		
PULL #2	433	429		
PULL #3	429	427		
PULL #4	427	426		
PULL #5	426	414		
TOTAL	2148	2123		
AVG.	4296	4246		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348790
24 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.575196
1 TO	2	.304322
1 TO	3	.274838
1 TO	4	.359347
1 TO	5	.622396

$\pm \frac{31}{25} \frac{4}{5}$ <----POA

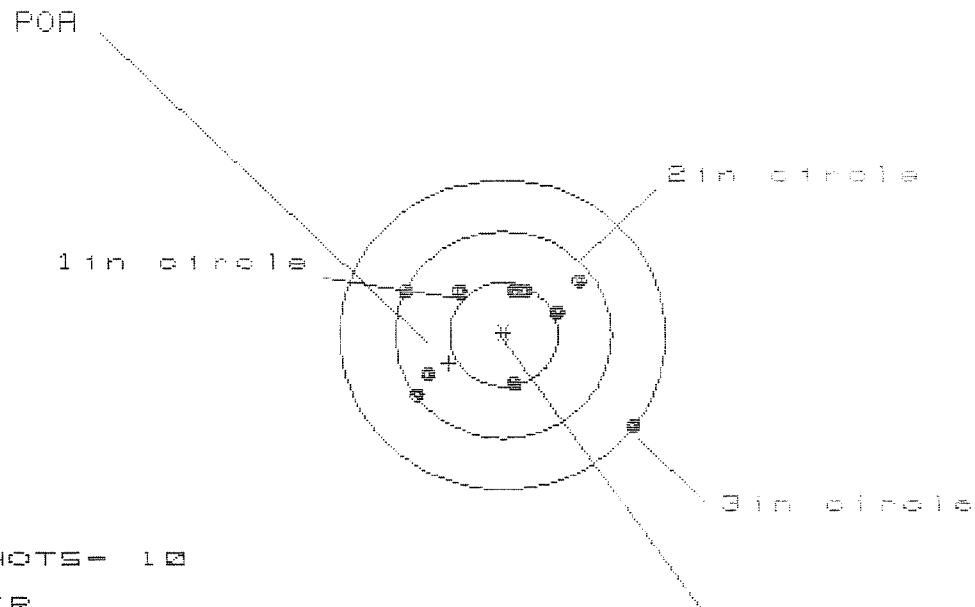
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5994
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0876
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .605767

THE AMR FOR THIS RIFLE IS: .8738

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348790

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.026

VS= 1.414

GS= 2.395

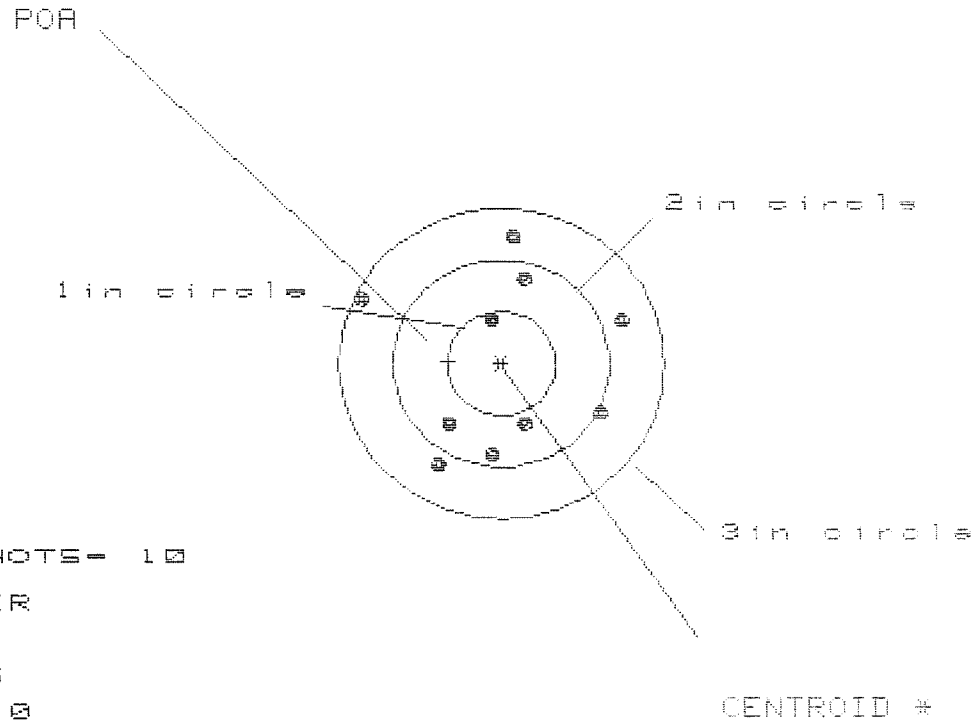
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.168	.857	.773
MINIMUM X	:	-.858	-.728	-.812
MAXIMUM Y	:	.525	.427	.337
MINIMUM Y	:	-.889	-.715	-.697
CENTROID X	:	.583	.373	.457
CENTROID Y	:	.279	.377	.467
POA TO CENTROID in.	:	.575	.531	.653
MIN RADIUS	:	.464	.414	.311
MEAN RADIUS	:	.765	.671	.606
MAX RADIUS	:	1.468	.982	.877
HORIZONTAL SPREAD	:	2.026	1.585	1.585
VERTICAL SPREAD	:	1.414	1.142	1.034
EXTREME SPREAD	:	2.395	1.909	1.702
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	8		
NUMBER IN THREE INCH CIRCLE =	:	10		

24 Oct 1999

FILE:/PATTERNING/CENTERFIRE_PATT/06348790

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.426

VS= 2.229

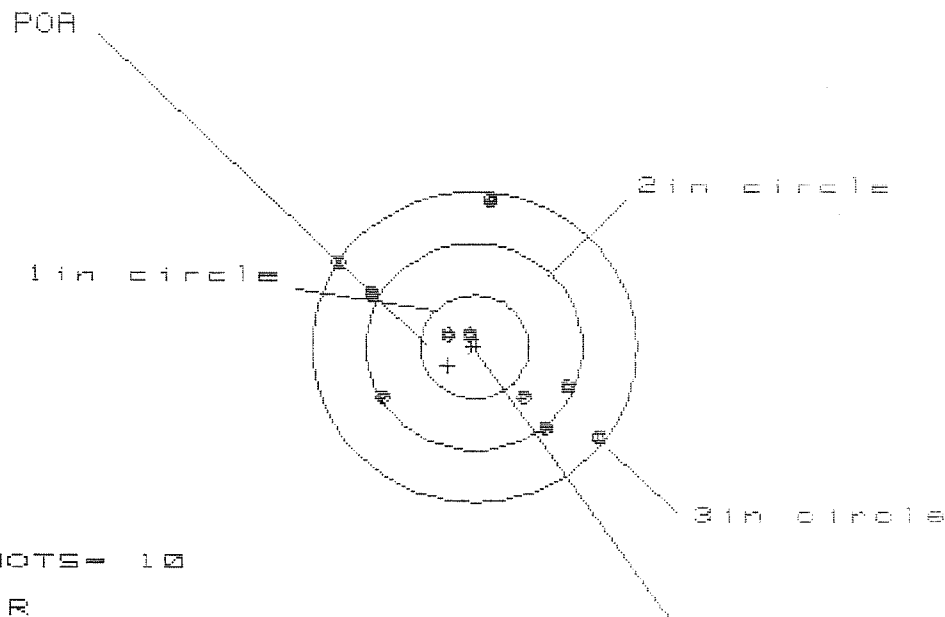
GS= 2.497

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.114	.969	.970
MINIMUM X	:	-1.312	-.759	-.758
MAXIMUM Y	:	1.214	1.286	1.072
MINIMUM Y	:	-1.015	-.943	-.783
CENTROID X	:	.489	.634	.633
CENTROID Y	:	-.025	-.097	-.257
POA TO CENTROID in.	:	.489	.642	.684
MIN RADIUS	:	.439	.547	.390
MEAN RADIUS	:	.971	.905	.835
MAX RADIUS	:	1.460	1.286	1.147
HORIZONTAL SPREAD	:	2.426	1.728	1.728
VERTICAL SPREAD	:	2.229	2.229	1.855
EXTREME SPREAD	:	2.497	2.358	2.221
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B790

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.418

VS= 2.264

GS= 2.917

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.188	1.051	.822
MINIMUM X	:	-1.238	-1.075	-.943
MAXIMUM Y	:	1.425	1.513	1.419
MINIMUM Y	:	-.840	-.751	-.815
CENTROID X	:	.247	.394	.252
CENTROID Y	:	.179	.091	.185
POA TO CENTROID in.	:	.305	.394	.313
MIN RADIUS	:	.143	.288	.140
MEAN RADIUS	:	.946	.889	.818
MAX RADIUS	:	1.463	1.513	1.430
HORIZONTAL SPREAD	:	2.418	2.126	1.765
VERTICAL SPREAD	:	2.264	2.264	2.234
EXTREME SPREAD	:	2.917	2.550	2.284
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			10	

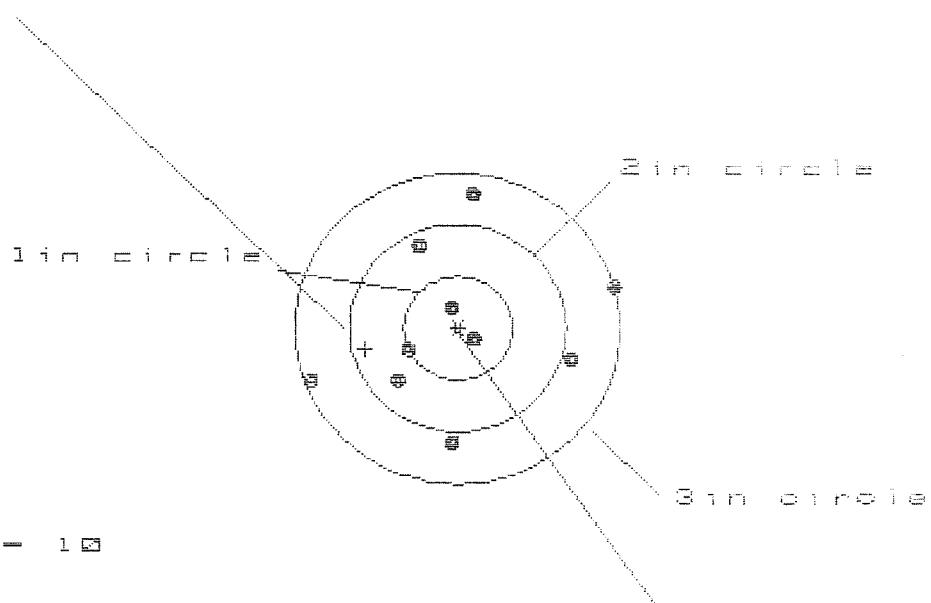
24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348790

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.841

VS= 2.356

GS= 2.977

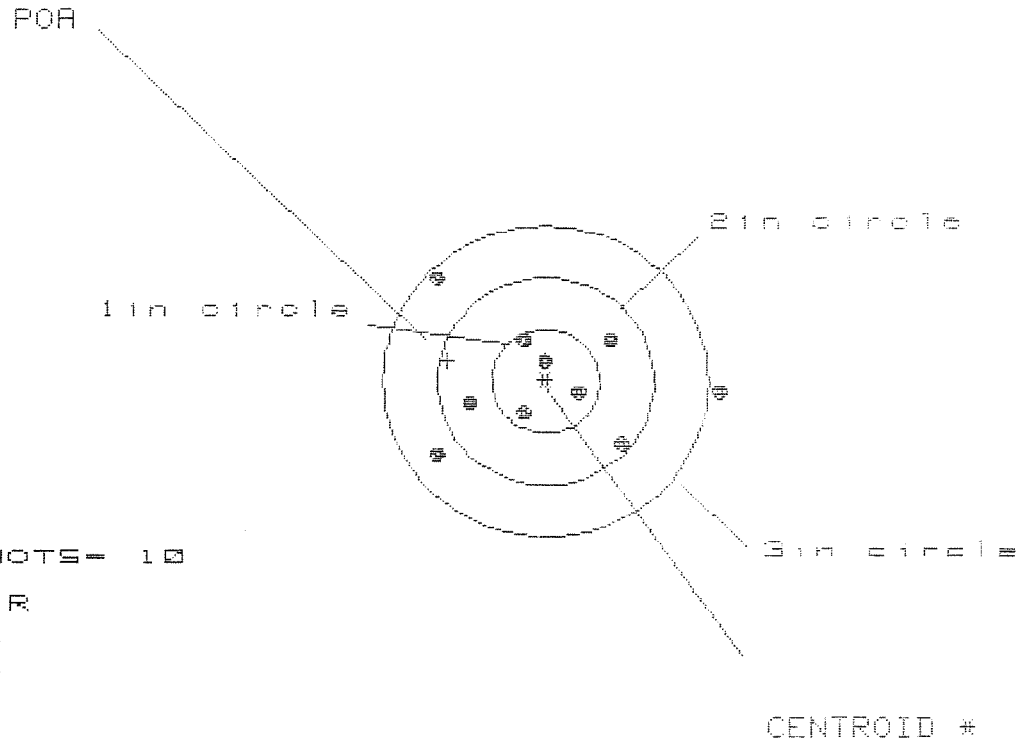
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.478	1.228	1.870
MINIMUM X	:	-1.363	-1.199	-.589
MAXIMUM Y	:	1.267	1.316	1.265
MINIMUM Y	:	-1.089	-1.040	-1.091
CENTROID X	:	.854	.690	.840
CENTROID Y	:	.202	.153	.204
POA TO CENTROID in.	:	.878	.707	.884
MIN RADIUS	:	.128	.240	.141
MEAN RADIUS	:	.890	.809	.740
MAX RADIUS	:	1.542	1.356	1.278
HORIZONTAL SPREAD	:	2.841	2.419	1.659
VERTICAL SPREAD	:	2.356	2.356	2.356
EXTREME SPREAD	:	2.977	2.424	2.363
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B790

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 2.638

VS = 1.623

GS = 2.766

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.596	.886	.786
MINIMUM X	:	-1.042	-.865	-.965
MAXIMUM Y	:	.954	.947	.540
MINIMUM Y	:	-.669	-.676	-.558
CENTROID X	:	.904	.727	.827
CENTROID Y	:	-.197	-.190	-.308
POA TO CENTROID in.	:	.925	.751	.882
MIN RADIUS	:	.182	.218	.252
MEAN RADIUS	:	.797	.705	.629
MAX RADIUS	:	1.597	1.238	1.114
HORIZONTAL SPREAD	:	2.638	1.751	1.751
VERTICAL SPREAD	:	1.623	1.623	1.098
EXTREME SPREAD	:	2.766	2.308	1.941
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

Remington



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

MODEL 700TM H24

SERIAL NO.

C6348790

ORDER NO.

5716

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

01



5716 C6348790

UPC



0 47700 25716 7