

Smead®

C6523519

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00092210

Serial: C6523519 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status:

Closed 2/1/2005 7:08:23 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naci01

2/7/2005

11:06 AM

CAPS

NUM

INS

SCRL

start

3

3

Arms Services R...

3

M

Serial Number:

C6523519

Model: M24 SWS



RE00092210

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523519.___0
FILE DATE AND TIME: 08/10/2005 08:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.108
The Average Y Centroid of the Five Target Set:	-0.046
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.901
The Distance from POA to Centroid Target #1:	0.211
The Distance from Centroid Target #2 to Centroid Target #1:	0.076
The Distance from Centroid Target #3 to Centroid Target #1:	0.397
The Distance from Centroid Target #4 to Centroid Target #1:	0.154
The Distance from Centroid Target #5 to Centroid Target #1:	0.310

SERIAL NUMBER: C6523519. __0

TARGET NUMBER: 1

FILE DATE: 08/10/2005

FILE TIME: 08:48

POINT#	X	Y
1:	0.135	0.706
2:	-0.214	0.464
3:	-0.884	0.156
4:	0.364	0.256
5:	0.256	-0.278
6:	0.189	-0.422
7:	0.154	-0.640
8:	-0.339	-0.422
9:	-0.252	-0.652
10:	0.105	-1.226

X CENTROID: -0.049

Y CENTROID: -0.206

POA TO CENTROID: 0.211

HORZ SPREAD: 1.248

VERT SPREAD: 1.932

GROUP SPREAD: 1.932

MIN RADIUS: 0.313

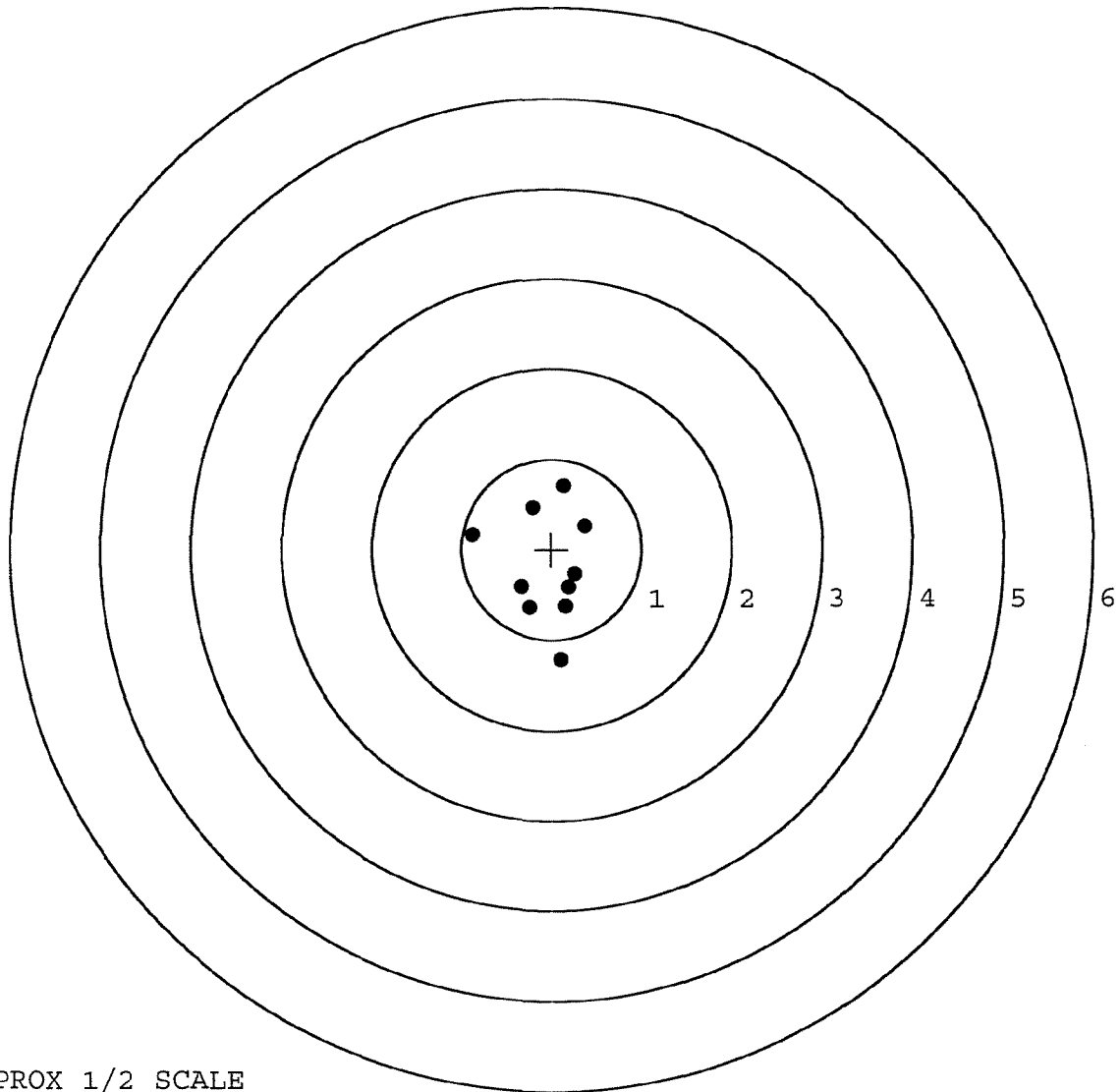
MAX RADIUS: 1.032

MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



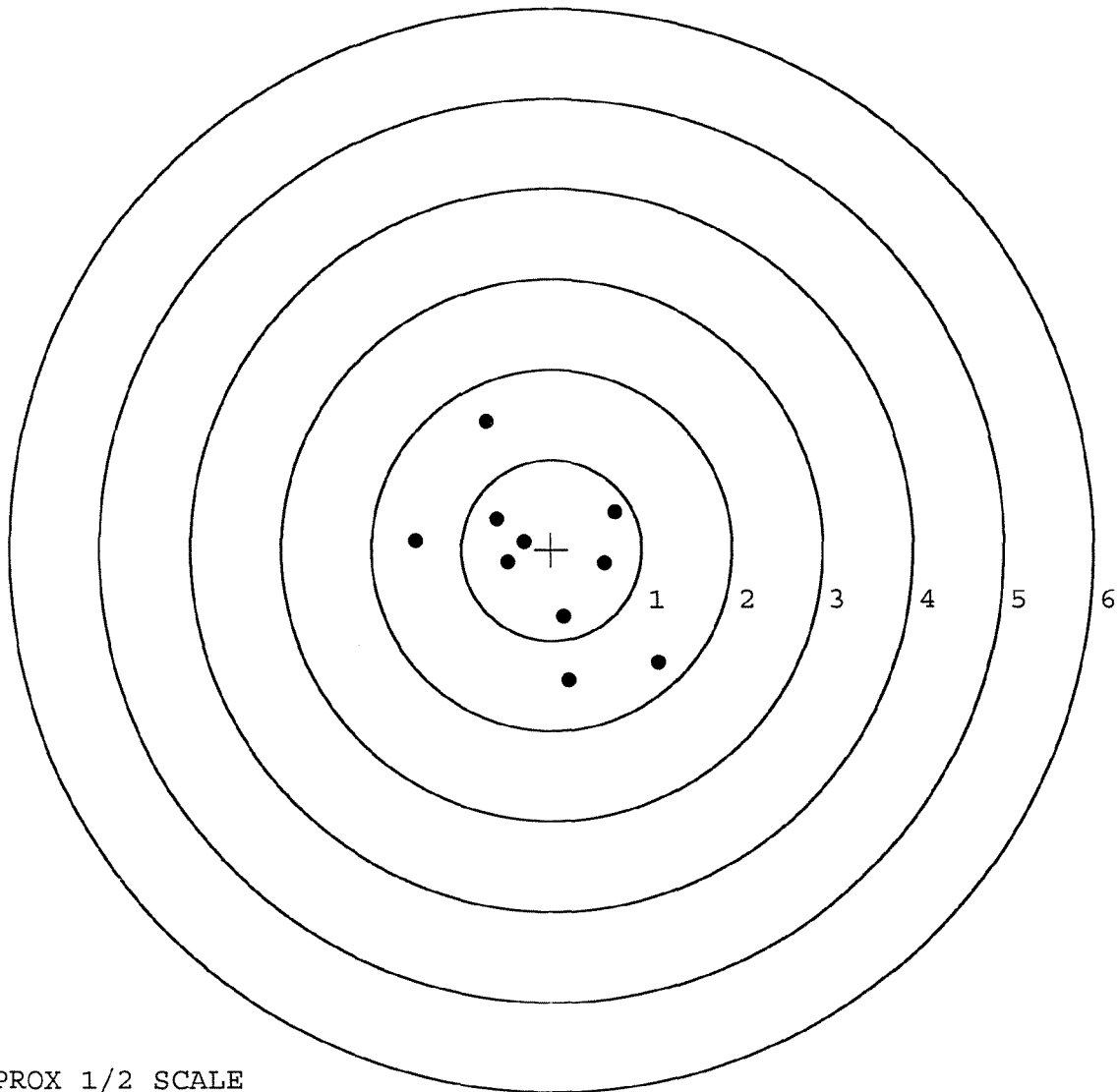
TARGET APPROX 1/2 SCALE

BARBER - M24 0029545

SERIAL NUMBER: C6523519. __0
 TARGET NUMBER: 2
 FILE DATE: 08/10/2005
 FILE TIME: 08:48

POINT#	X	Y
1:	-0.729	1.426
2:	-1.513	0.087
3:	-0.613	0.338
4:	-0.306	0.082
5:	-0.483	-0.142
6:	0.706	0.417
7:	0.588	-0.153
8:	0.134	-0.741
9:	0.199	-1.449
10:	1.188	-1.249

X CENTROID: -0.083
 Y CENTROID: -0.138
 POA TO CENTROID: 0.161
 HORZ SPREAD: 2.701
 VERT SPREAD: 2.875
 GROUP SPREAD: 3.291
 MIN RADIUS: 0.314
 MAX RADIUS: 1.693
 MEAN RADIUS: 0.987
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



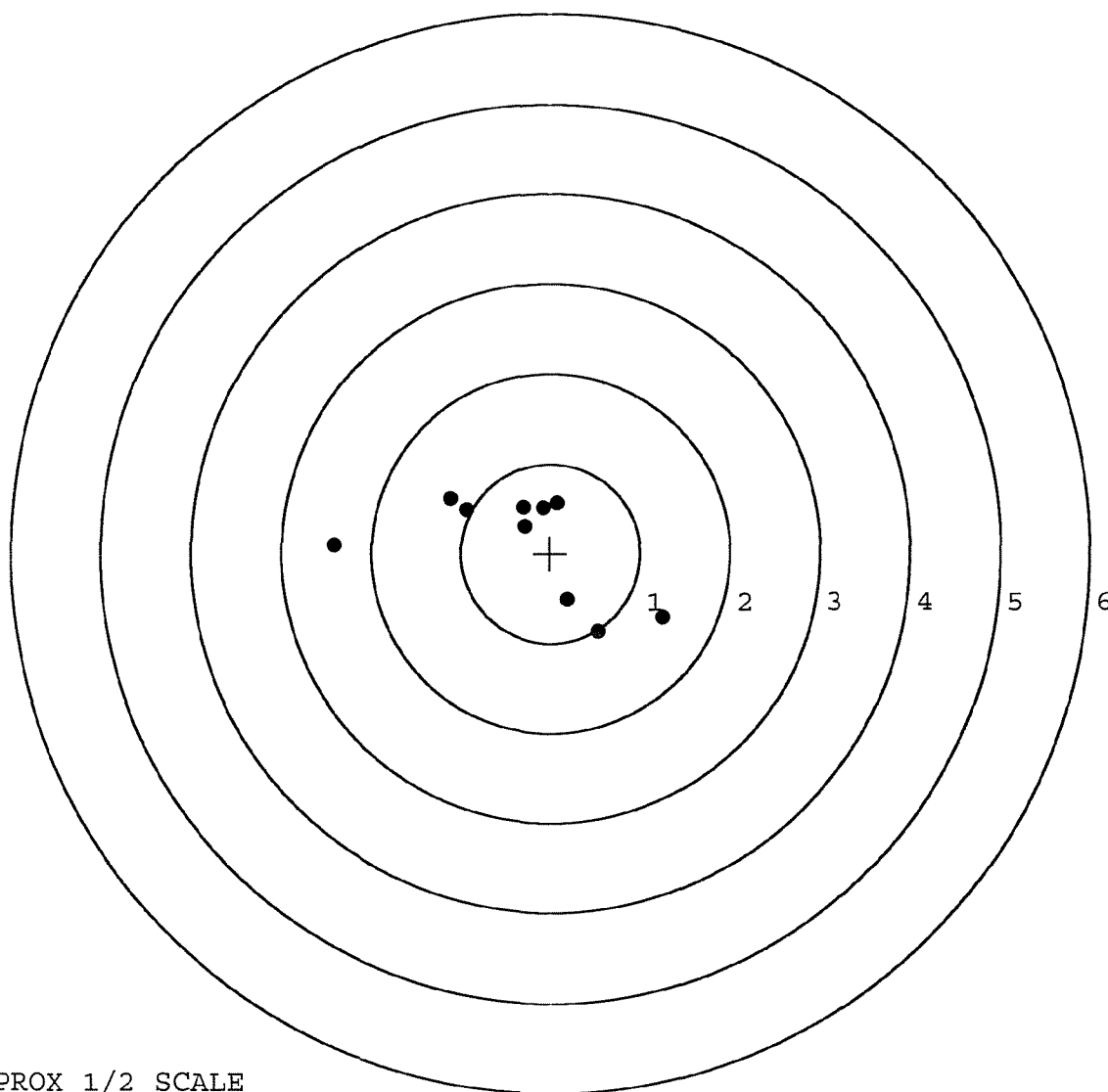
TARGET APPROX 1/2 SCALE

BARBER - M24 0029546

SERIAL NUMBER: C6523519. __0
 TARGET NUMBER: 3
 FILE DATE: 08/10/2005
 FILE TIME: 08:48

POINT#	X	Y
1:	1.253	-0.724
2:	0.532	-0.876
3:	0.188	-0.521
4:	-2.407	0.081
5:	-1.115	0.609
6:	-0.939	0.483
7:	0.079	0.565
8:	-0.083	0.507
9:	-0.304	0.516
10:	-0.289	0.305

X CENTROID: -0.308
 Y CENTROID: 0.095
 POA TO CENTROID: 0.323
 HORZ SPREAD: 3.660
 VERT SPREAD: 1.485
 GROUP SPREAD: 3.747
 MIN RADIUS: 0.211
 MAX RADIUS: 2.099
 MEAN RADIUS: 0.935
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



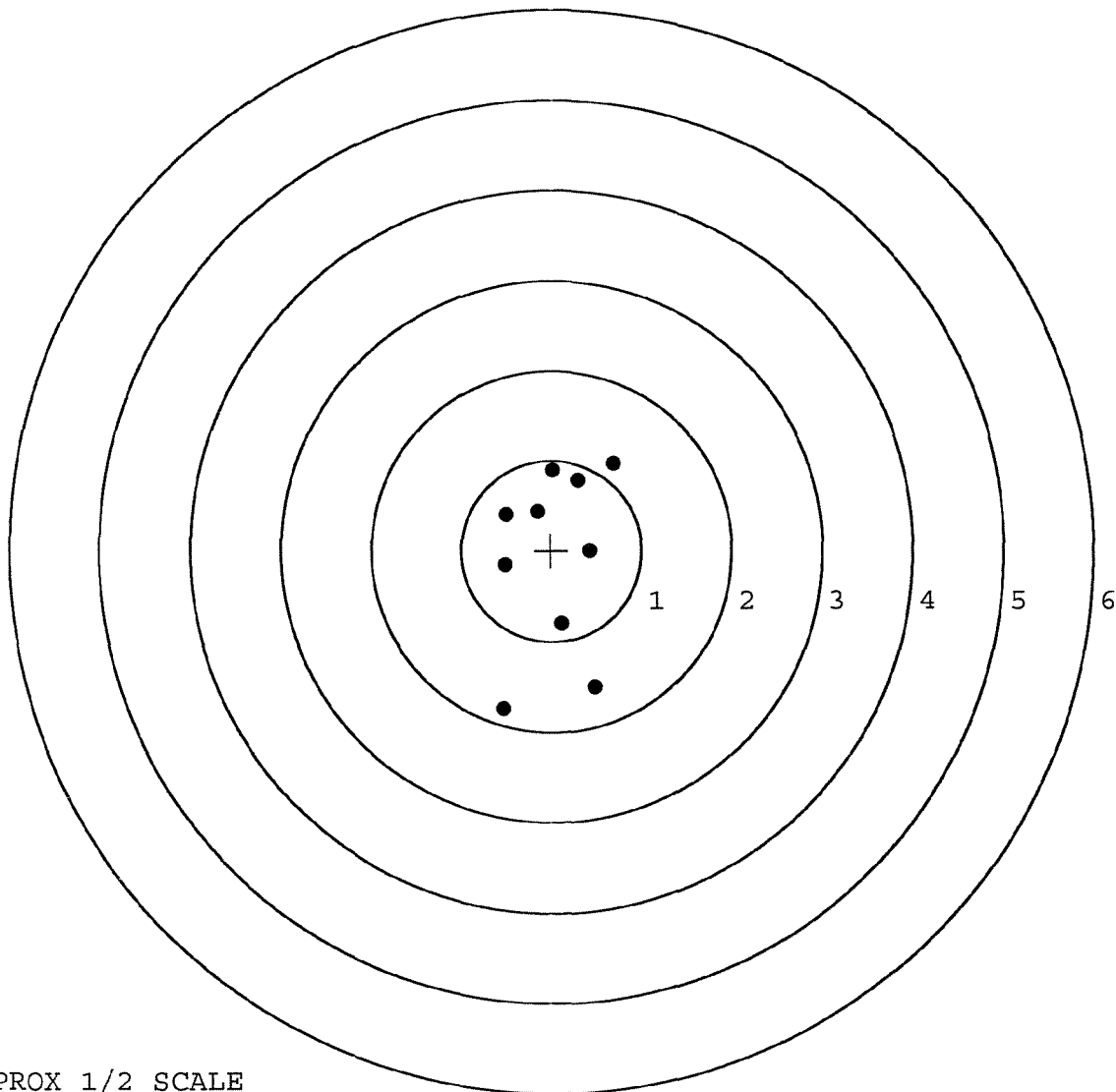
TARGET APPROX 1/2 SCALE

BARBER - M24 0029547

SERIAL NUMBER: C6523519. __0
 TARGET NUMBER: 4
 FILE DATE: 08/10/2005
 FILE TIME: 08:48

POINT#	X	Y
1:	0.688	0.969
2:	0.018	0.890
3:	0.297	0.781
4:	-0.155	0.430
5:	-0.505	0.399
6:	-0.511	-0.161
7:	0.431	0.002
8:	0.118	-0.808
9:	0.482	-1.501
10:	-0.528	-1.753

X CENTROID: 0.033
 Y CENTROID: -0.075
 POA TO CENTROID: 0.082
 HORZ SPREAD: 1.216
 VERT SPREAD: 2.722
 GROUP SPREAD: 2.981
 MIN RADIUS: 0.405
 MAX RADIUS: 1.769
 MEAN RADIUS: 0.931
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0029548

SERIAL NUMBER: C6523519. __0

TARGET NUMBER: 5

FILE DATE: 08/10/2005

FILE TIME: 08:48

POINT#	X	Y
1:	0.930	-0.150
2:	0.483	-0.131
3:	0.021	-0.579
4:	-0.056	-0.882
5:	0.368	-0.888
6:	-1.181	-0.810
7:	-0.771	1.399
8:	-0.728	1.224
9:	-0.614	0.959
10:	0.211	0.786

X CENTROID: -0.134

Y CENTROID: 0.093

POA TO CENTROID: 0.163

HORZ SPREAD: 2.111

VERT SPREAD: 2.287

GROUP SPREAD: 2.555

MIN RADIUS: 0.656

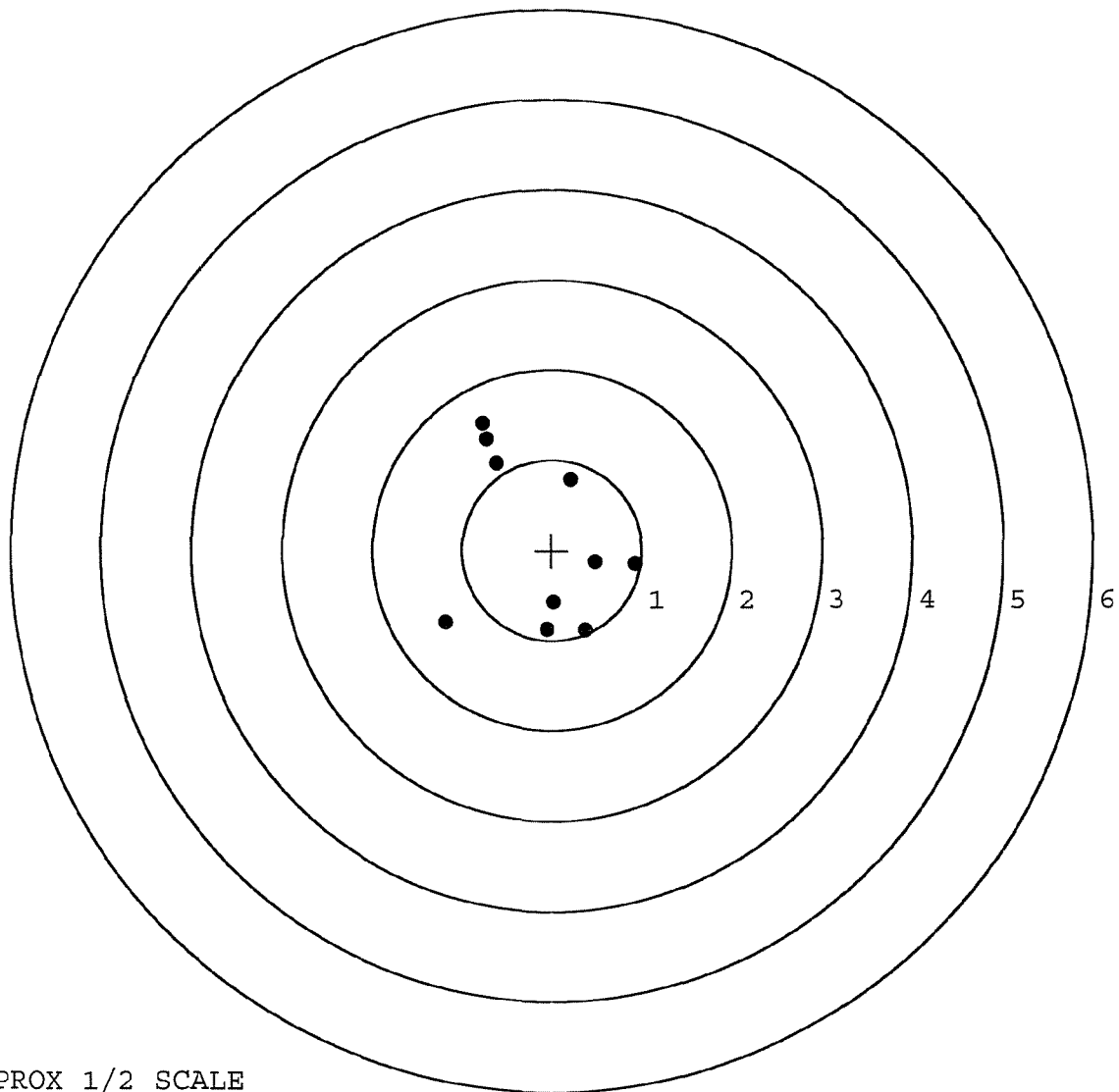
MAX RADIUS: 1.453

MEAN RADIUS: 1.039

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

DATE

6-15-05

3.00 LBS (plus or minus 0.75 LBS)

TESTER

TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.57	2.19		2.22	
PULL #2	2.65	2.12		2.16	
PULL #3	2.55	2.28		2.16	
PULL #4	2.52	2.19		2.13	
PULL #5	2.51	2.26		2.15	
TOTAL	12.80	11.04		10.82	
AVERAGE	2.56	2.20		2.16	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.20		
PULL #2	3.40	3.22		
PULL #3	3.49	3.27		
PULL #4	3.36	3.28		
PULL #5	3.47	3.24		
TOTAL	16.87	16.21		
AVERAGE	3.37	3.24		

	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	4.49	3.89		4.33
PULL #2	4.38	4.22		4.16
PULL #3	4.44	4.15		4.18
PULL #4	4.42	4.24		4.28
PULL #5	4.28	4.19		4.21
TOTAL	22.01	20.69		21.16
AVERAGE	4.40	4.13		4.23

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington®
 REG. U.S. PAT. & TM. OFF.

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

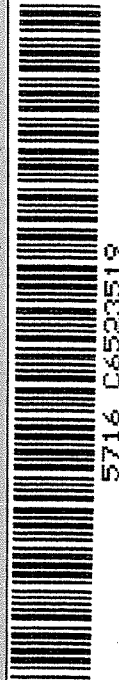
MODEL 700™ M24

SERIAL NO. C6523519

ORDER NO. 5716

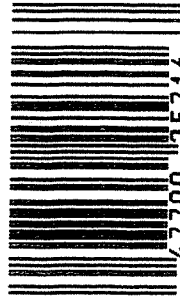
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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5716 C6523519

UPC



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Stock Don't
 Kalor Line Tip
 Repaired 12/13/90
 RW

H/312

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523519

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	10/1/90	KS
600	Proof		10/1/90	KS
607	Check Headspace		10/1/90	KS
610	Dis-assemble Gun		10/1/90	KS
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	KS
617	Drill and Tap Sight Holes		10/4/90	KS
618	Polish Barrel <i>KS</i>		10/5/90	KS
620	Apply Coatings (Barrel Action)		10-20-90	KS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-9-90	KS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/9/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			11/9/90	WB
	H) Trigger Pull Test & Retainability						11-9-90	91
	I) Firing Pin Indent	.0215	.0215	.0215			11/9/90	WB
	J) Assemble Stock						11/10/90	KS
	K) Assemble Swivel Studs						11-20-90	ES
	L) Attach Front and Rear Sight Assemblies						11/10/90	KS
	M) Iron Sight Alignment						11/14/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	KS
	O) Attach Scope to Rifle						11/10/90	KS
	P) Detach & Attach Scope 20 Times						11/10/90	KS
640	Gallery Target & Test						11/12/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/12/90	NF
655	Final Inspection							
	A) Headspace						11-20-90	928
	B) Trigger Pull	285	287	273	268	268	11-20-90	928
	C) Function						11-20-90	928
660	Pack						12/14/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06523519

DATE 11-9-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.24	2.29	285	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.47	2.50	287	
PULL #3	2.28	2.26	2.38	273	
PULL #4	2.38	2.45	2.49	268	
PULL #5	2.44	2.50	2.50	268	
TOTAL	11.85	11.92	12.16		
AVG.	2.376	2.384	2.432		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.17		
PULL #2	3.30	3.19		
PULL #3	3.28	3.25		
PULL #4	3.29	3.28		
PULL #5	3.27	3.13		
TOTAL	16.45	16.02		
AVG.	3.29	3.204		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.22		4.29
PULL #2	4.14	4.30		4.36
PULL #3	4.35	4.29		4.38
PULL #4	4.33	4.25		4.26
PULL #5	4.38	4.21		4.33
TOTAL	21.49	21.27		21.62
AVG.	4.298	4.254		4.324

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523519
13 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.265189
1 TO	2	.455412
1 TO	3	.352528
1 TO	4	.0441022
1 TO	5	.531029

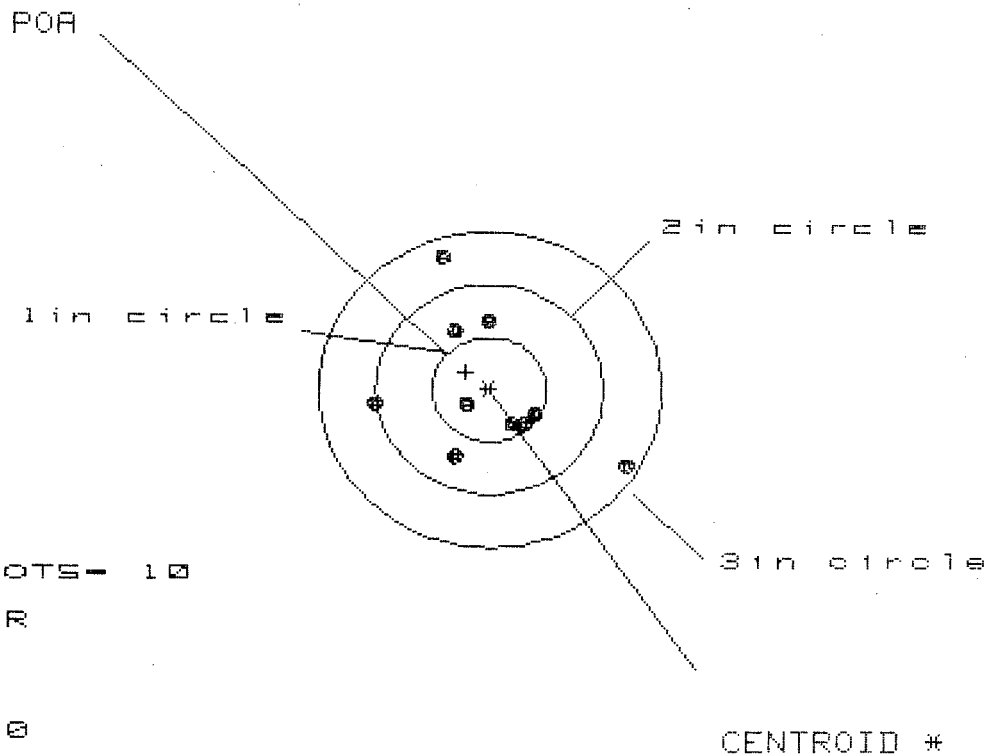
$\bar{x}_0$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0262
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0305954
THE AMR FOR THIS RIFLE IS: .919

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523513

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in - 4

2in - 7

3in - 10

HS- 2.213

VS- 2.067

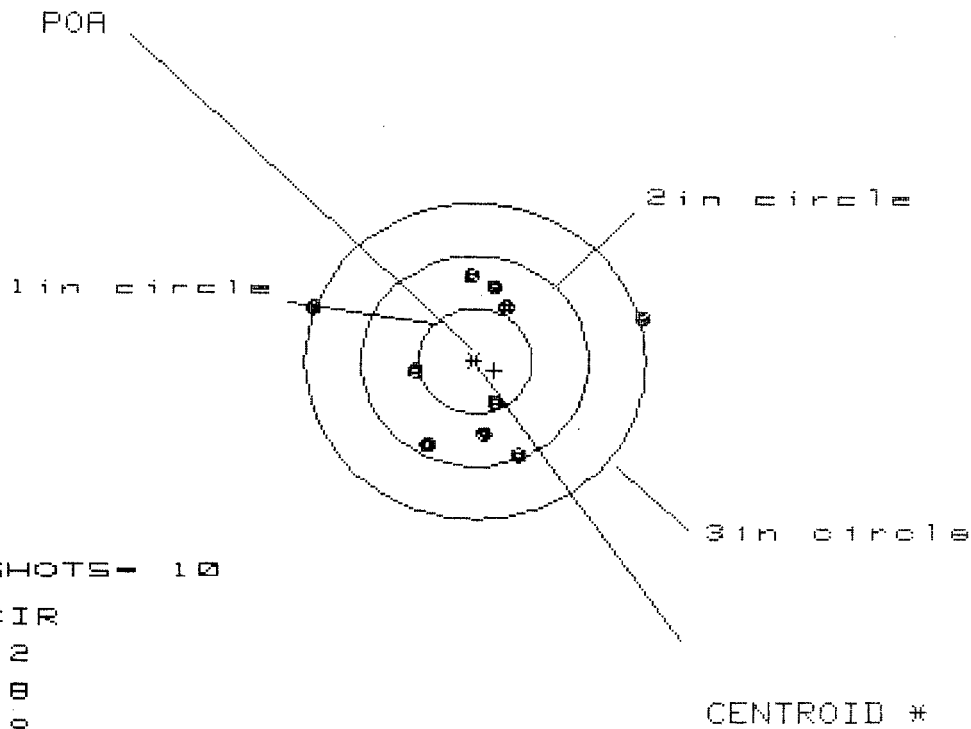
GS- 2.649

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	.545	.507
MINIMUM X	:	-.997	-.862	-.900
MAXIMUM Y	:	1.310	1.226	.703
MINIMUM Y	:	-.757	-.755	-.602
CENTROID X	:	.206	.071	.109
CENTROID Y	:	-.167	-.083	-.236
POA TO CENTROID in.	:	.265	.109	.260
MIN RADIUS	:	.216	.218	.097
MEAN RADIUS	:	.738	.669	.557
MAX RADIUS	:	1.432	1.263	.901
HORIZONTAL SPREAD	:	2.213	1.407	1.407
VERTICAL SPREAD	:	2.067	1.981	1.305
EXTREME SPREAD	:	2.649	1.988	1.413
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523513

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in - 8

HS- 2.887

VS- 1.663

GS- 2.890

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.453	1.294	.345
MINIMUM X	:	-1.434	-.651	-.490
MAXIMUM Y	:	.772	.832	.891
MINIMUM Y	:	-.891	-.831	-.772
CENTROID X	:	-.172	-.013	-.174
CENTROID Y	:	.087	.027	-.032
POA TO CENTROID in.	:	.193	.030	.177
MIN RADIUS	:	.463	.373	.355
MEAN RADIUS	:	.862	.782	.685
MAX RADIUS	:	1.533	1.378	.893
HORIZONTAL SPREAD	:	2.887	1.945	.835
VERTICAL SPREAD	:	1.663	1.663	1.663
EXTREME SPREAD	:	2.890	2.249	1.712
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523519

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 1

2 in - 6

3 in - 9

HS - 2.650

VS - 2.451

GS - 2.964

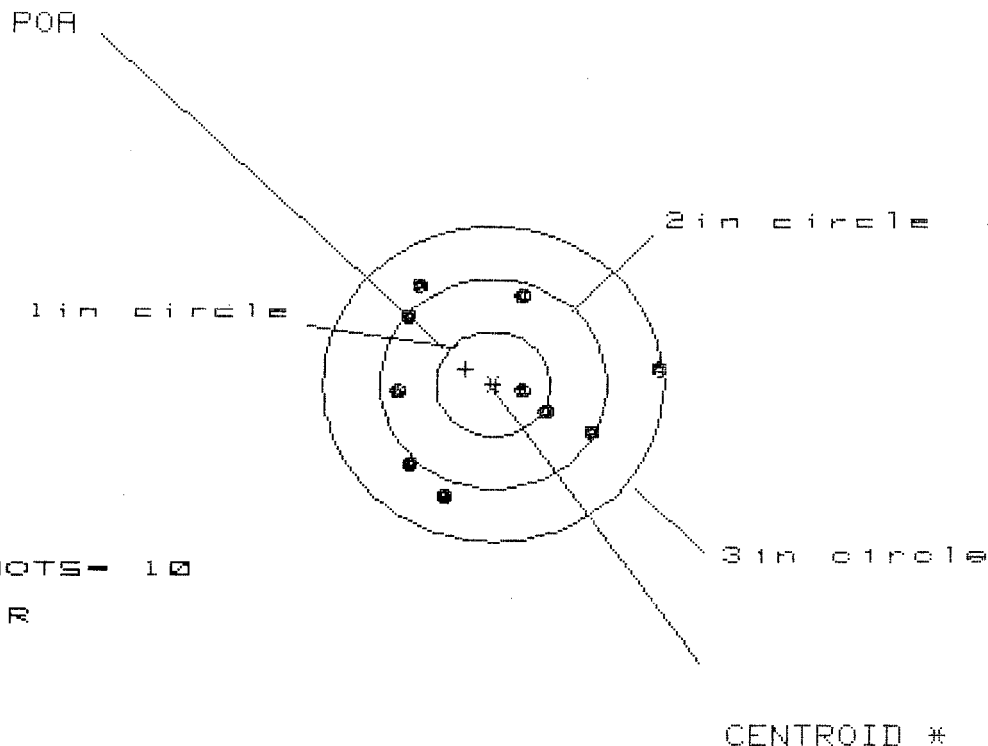
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.511	.792	.671
MINIMUM X	:	-1.139	-.971	-1.052
MAXIMUM Y	:	1.415	.650	.681
MINIMUM Y	:	-1.036	-.879	-.848
CENTROID X	:	.082	-.086	.035
CENTROID Y	:	.163	.006	-.025
POA TO CENTROID in.	:	.182	.086	.043
MIN RADIUS	:	.422	.562	.464
MEAN RADIUS	:	.939	.793	.747
MAX RADIUS	:	2.070	1.025	1.129
HORIZONTAL SPREAD	:	2.650	1.763	1.723
VERTICAL SPREAD	:	2.451	1.529	1.529
EXTREME SPREAD	:	2.964	1.873	1.873
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523519

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.335

VS= 1.991

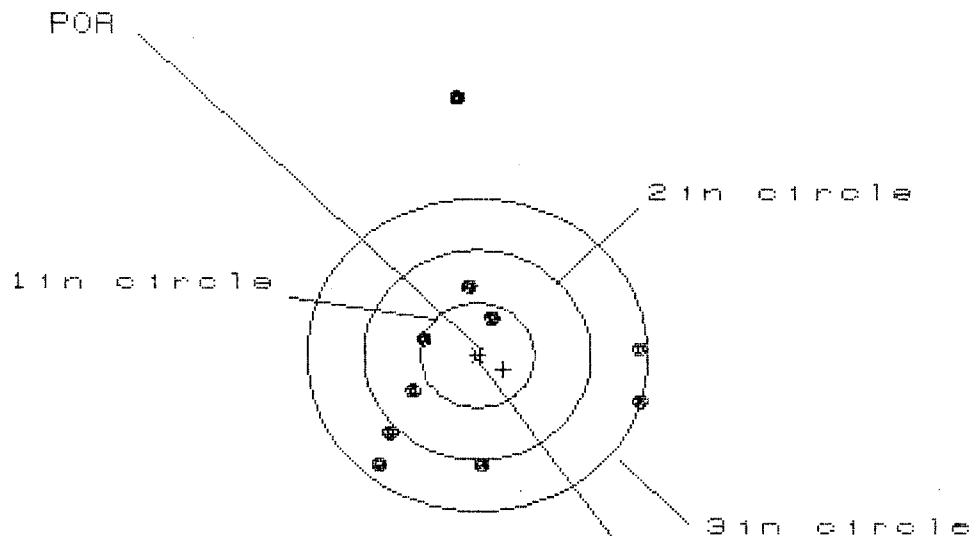
GS= 2.371

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.491	1.065	1.025
MINIMUM X	-.844	-.678	-.718
MAXIMUM Y	.951	.970	.842
MINIMUM Y	-1.040	-1.021	-.842
CENTROID X	.243	.077	.116
CENTROID Y	-.143	-.162	-.034
POA TO CENTROID in.	.281	.179	.121
MIN RADIUS	.312	.472	.466
MEAN RADIUS	.938	.875	.842
MAX RADIUS	1.501	1.146	1.164
HORIZONTAL SPREAD	2.335	1.743	1.743
VERTICAL SPREAD	1.991	1.991	1.684
EXTREME SPREAD	2.371	2.043	2.043
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523519

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.355

VS = 3.565

GS = 3.634

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.449	1.427	1.601
MINIMUM X	-.906	-.928	-.754
MAXIMUM Y	2.481	.974	.956
MINIMUM Y	-1.084	-.808	-.826
CENTROID X	-.228	-.206	-.380
CENTROID Y	.139	-.137	-.119
POA TO CENTROID in.	.267	.247	.398
MIN RADIUS	.356	.577	.412
MEAN RADIUS	1.118	.956	.860
MAX RADIUS	2.489	1.463	1.629
HORIZONTAL SPREAD	2.355	2.355	2.355
VERTICAL SPREAD	3.565	1.782	1.782
EXTREME SPREAD	3.634	2.612	2.612
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		