

C6522187

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6522187

Model: M24 SWS



RE00102778

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522187.__0
FILE DATE AND TIME: 11/22/2005 22:17

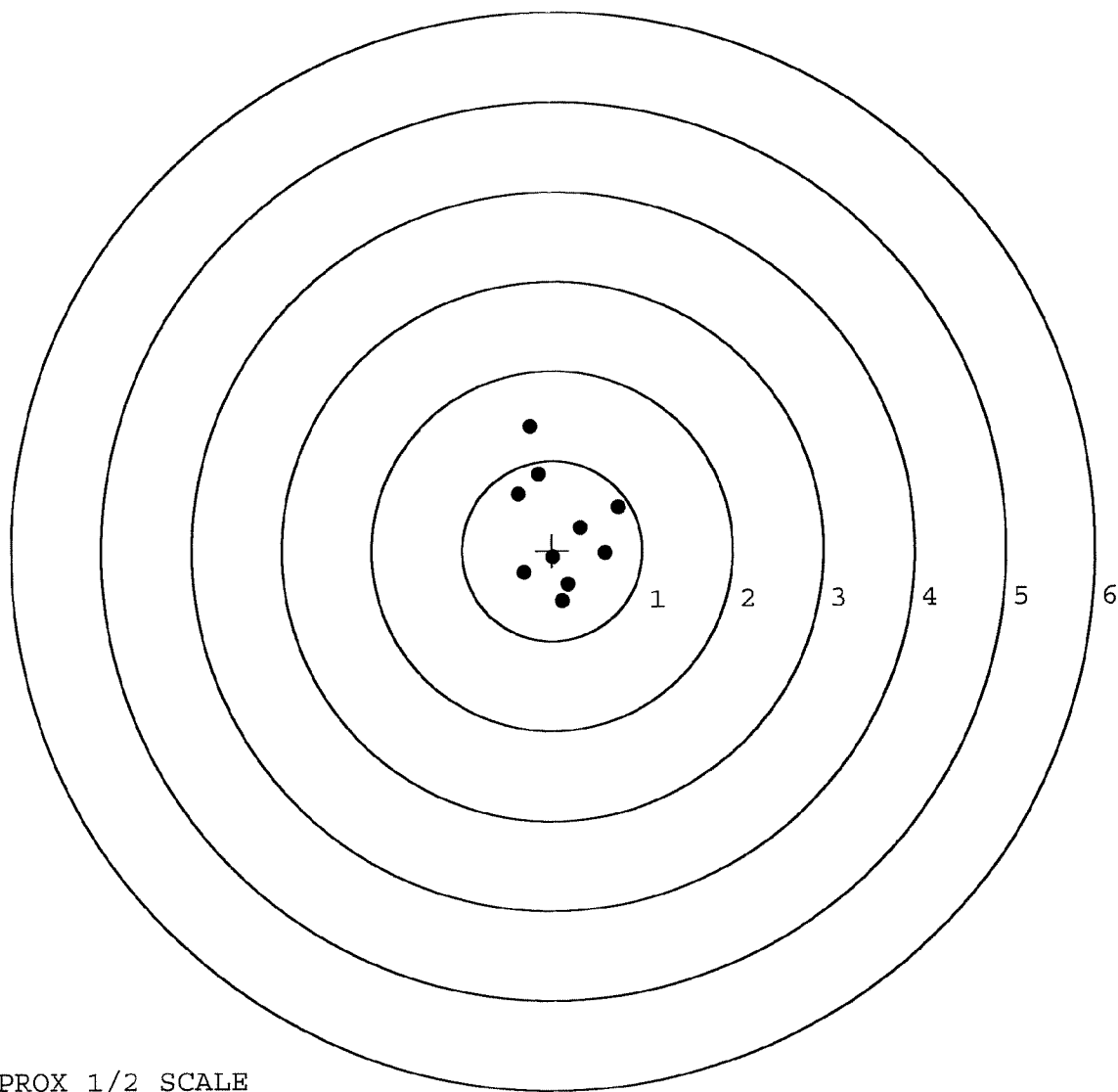
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.084
The Average Y Centroid of the Five Target Set:	0.015
The Average Point of Impact of the Five Target Set:	0.085
The Average Mean Radius of the Five Target Set:	0.607
The Distance from POA to Centroid Target #1:	0.243
The Distance from Centroid Target #2 to Centroid Target #1:	0.401
The Distance from Centroid Target #3 to Centroid Target #1:	0.406
The Distance from Centroid Target #4 to Centroid Target #1:	0.064
The Distance from Centroid Target #5 to Centroid Target #1:	0.387

SERIAL NUMBER: C6522187. __0
 TARGET NUMBER: 1
 FILE DATE: 11/22/2005
 FILE TIME: 22:17

POINT#	X	Y
1:	0.316	0.252
2:	0.736	0.478
3:	-0.317	-0.249
4:	-0.376	0.631
5:	-0.147	0.850
6:	-0.242	1.379
7:	0.591	-0.036
8:	0.111	-0.572
9:	0.178	-0.381
10:	0.013	-0.078

X CENTROID: 0.086
 Y CENTROID: 0.227
 POA TO CENTROID: 0.243
 HORZ SPREAD: 1.112
 VERT SPREAD: 1.951
 GROUP SPREAD: 1.983
 MIN RADIUS: 0.231
 MAX RADIUS: 1.197
 MEAN RADIUS: 0.633
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

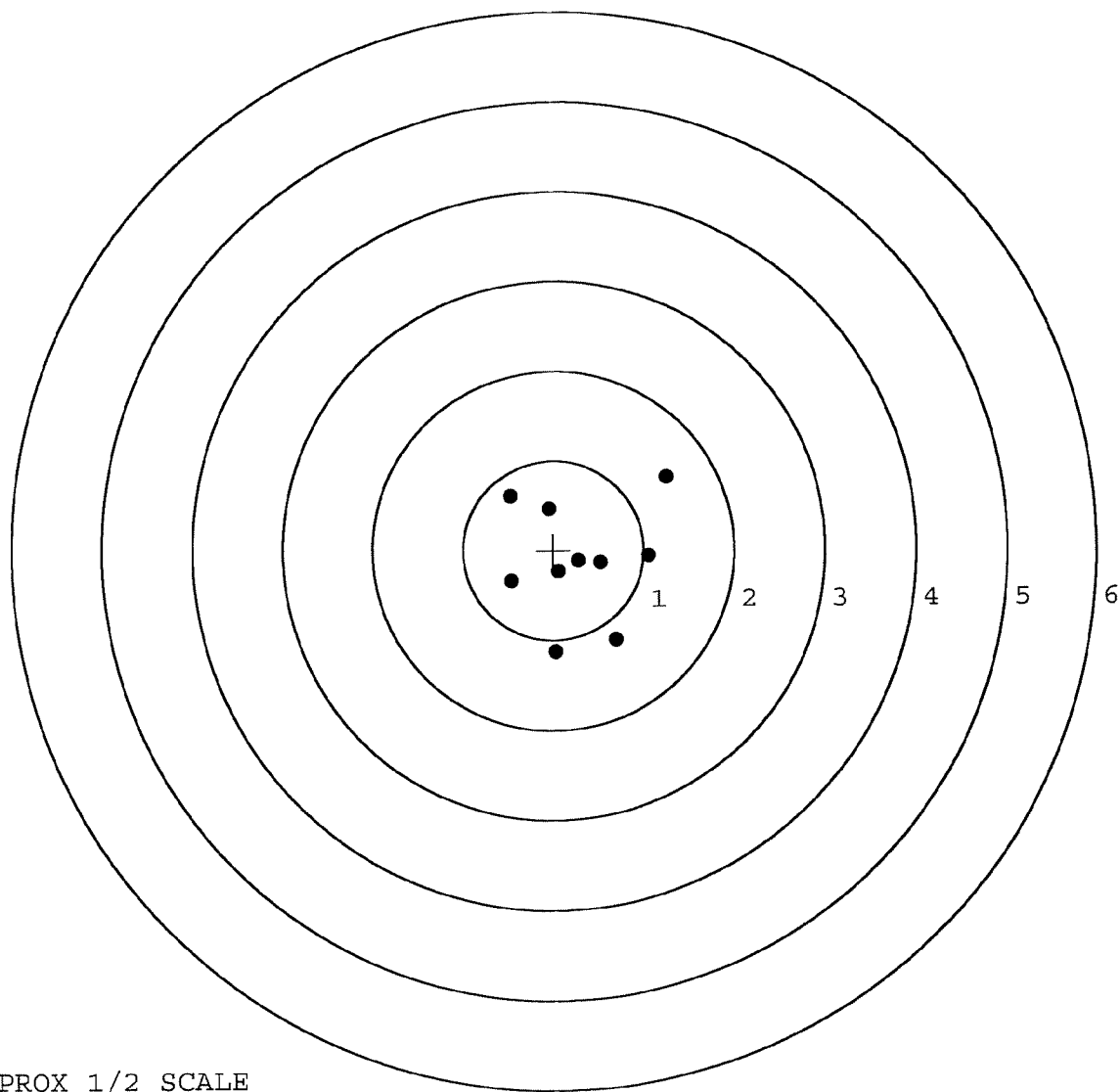


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522187. 0
 TARGET NUMBER: 2
 FILE DATE: 11/22/2005
 FILE TIME: 22:17

POINT#	X	Y
1:	0.055	-0.243
2:	0.279	-0.122
3:	0.526	-0.143
4:	1.058	-0.073
5:	1.259	0.811
6:	-0.474	0.613
7:	-0.472	-0.341
8:	-0.047	0.465
9:	0.693	-1.004
10:	0.022	-1.138

X CENTROID: 0.290
 Y CENTROID: -0.117
 POA TO CENTROID: 0.313
 HORZ SPREAD: 1.733
 VERT SPREAD: 1.949
 GROUP SPREAD: 2.308
 MIN RADIUS: 0.012
 MAX RADIUS: 1.342
 MEAN RADIUS: 0.718
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522187. __0

TARGET NUMBER: 3

FILE DATE: 11/22/2005

FILE TIME: 22:17

POINT#	X	Y
1:	0.299	-0.216
2:	0.011	-0.419
3:	0.035	-0.886
4:	0.549	-0.281
5:	0.308	0.488
6:	0.126	0.795
7:	-0.526	0.192
8:	-0.456	-0.771
9:	-0.434	-0.417
10:	-0.568	0.027

X CENTROID: -0.066

Y CENTROID: -0.149

POA TO CENTROID: 0.163

HORZ SPREAD: 1.117

VERT SPREAD: 1.681

GROUP SPREAD: 1.683

MIN RADIUS: 0.281

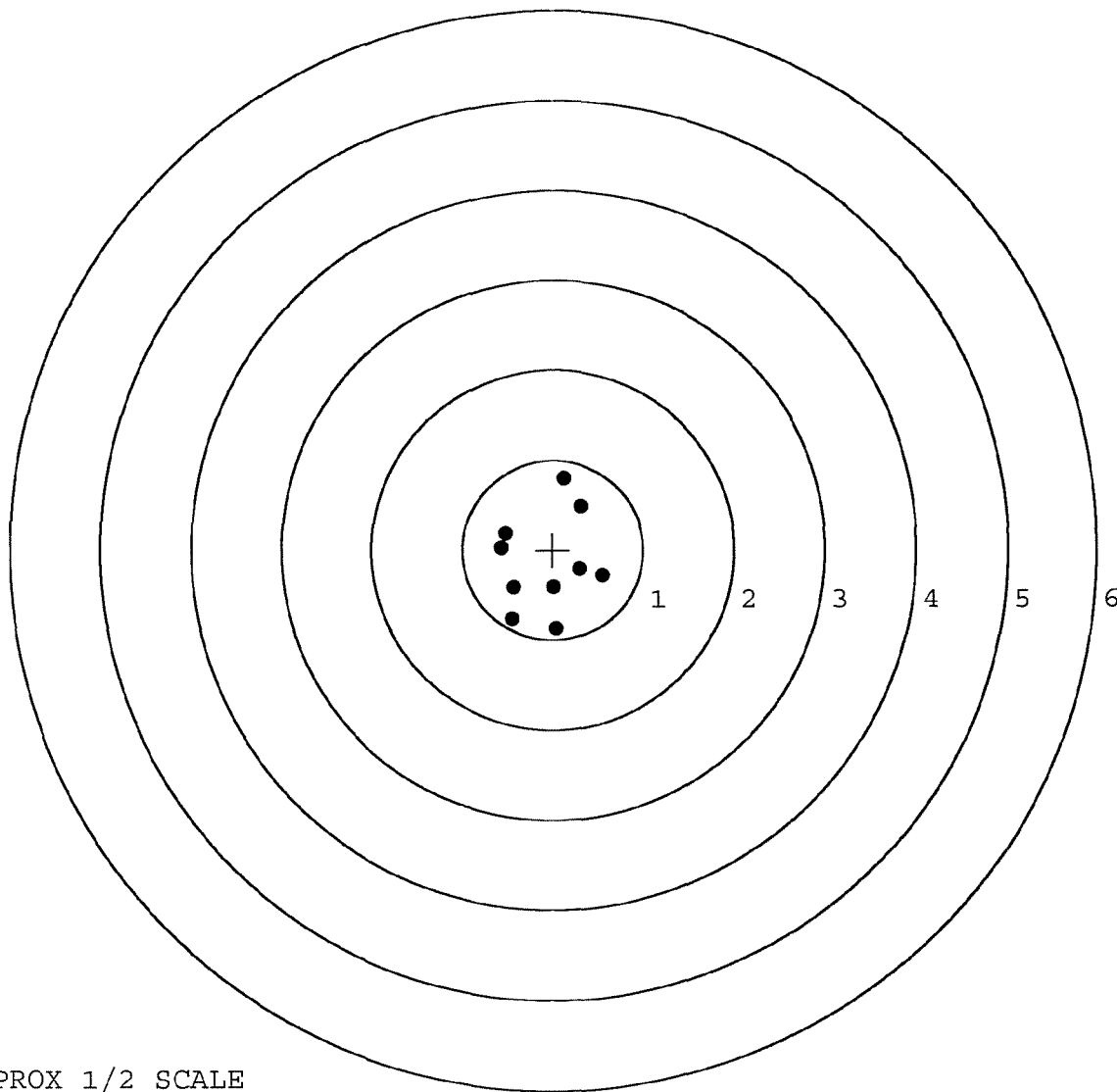
MAX RADIUS: 0.963

MEAN RADIUS: 0.602

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522187. 0

TARGET NUMBER: 4

FILE DATE: 11/22/2005

FILE TIME: 22:17

POINT#	X	Y
1:	-0.285	-0.026
2:	-0.294	0.140
3:	-0.183	0.601
4:	0.114	0.541
5:	0.229	0.370
6:	0.624	0.503
7:	0.537	0.617
8:	0.351	0.017
9:	-0.380	0.084
10:	-0.316	-0.129

X CENTROID: 0.040

Y CENTROID: 0.272

POA TO CENTROID: 0.275

HORZ SPREAD: 1.004

VERT SPREAD: 0.746

GROUP SPREAD: 1.133

MIN RADIUS: 0.213

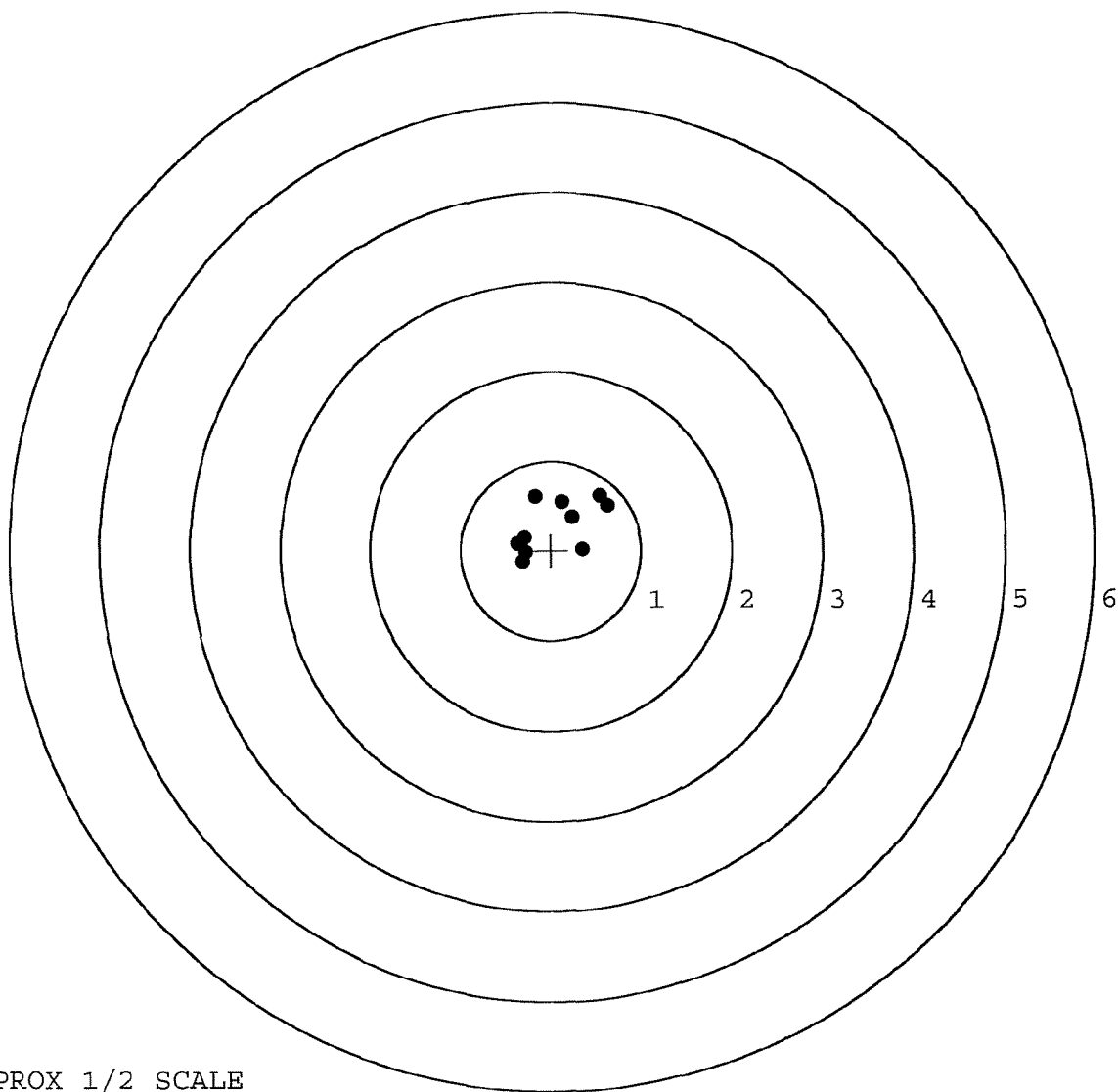
MAX RADIUS: 0.628

MEAN RADIUS: 0.432

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

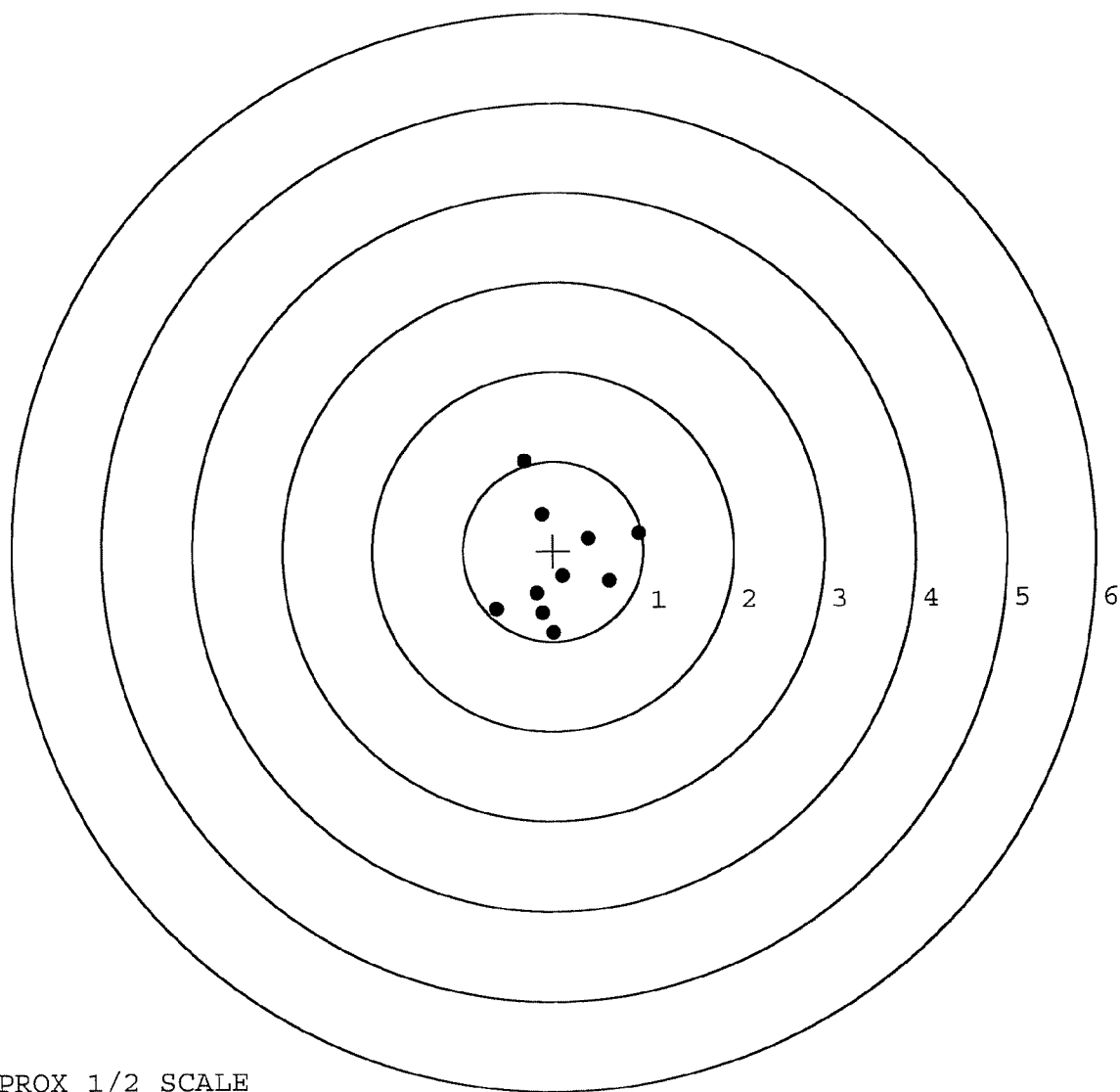


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522187. 0
 TARGET NUMBER: 5
 FILE DATE: 11/22/2005
 FILE TIME: 22:17

POINT#	X	Y
1:	0.101	-0.286
2:	-0.190	-0.467
3:	-0.123	-0.691
4:	0.004	-0.908
5:	-0.634	-0.645
6:	0.391	0.134
7:	0.620	-0.336
8:	0.952	0.191
9:	-0.121	0.413
10:	-0.314	1.002

X CENTROID: 0.069
 Y CENTROID: -0.159
 POA TO CENTROID: 0.173
 HORZ SPREAD: 1.586
 VERT SPREAD: 1.910
 GROUP SPREAD: 1.936
 MIN RADIUS: 0.131
 MAX RADIUS: 1.223
 MEAN RADIUS: 0.649
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington®

MODEL 700™ M24

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

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

SERIAL NO.
C6522187

ORDER NO.
5716

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

Q1

UPC

0 47700 25716 7

5716 C6522187

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522187
9 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.116709
1 TO	2	.297545
1 TO	3	.107448
1 TO	4	.127613
1 TO	5	.199692

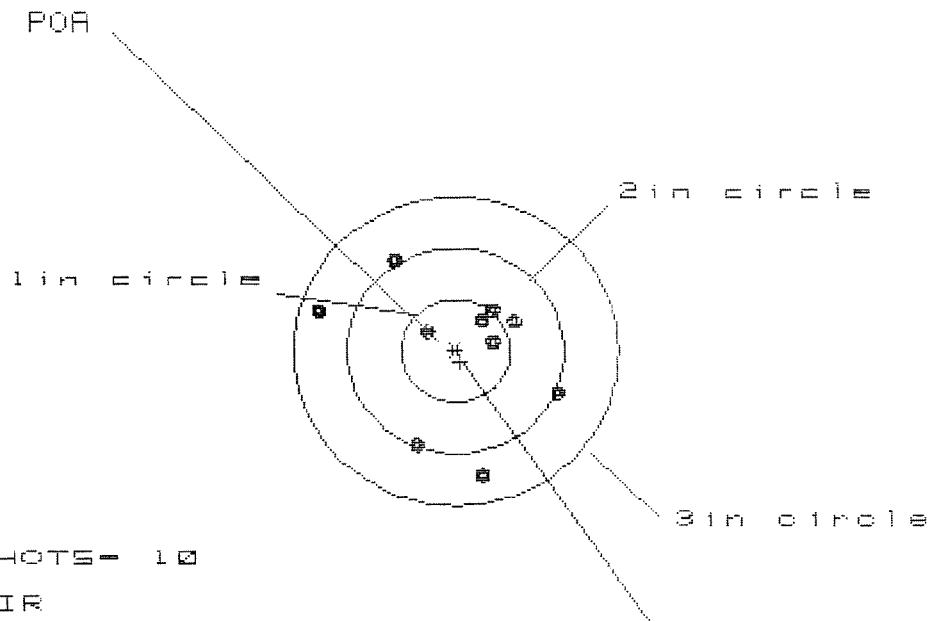
✂ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.173
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .156
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .232948
THE AMR FOR THIS RIFLE IS: .9024

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522187

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.151

VS= 2.079

ES= 2.276

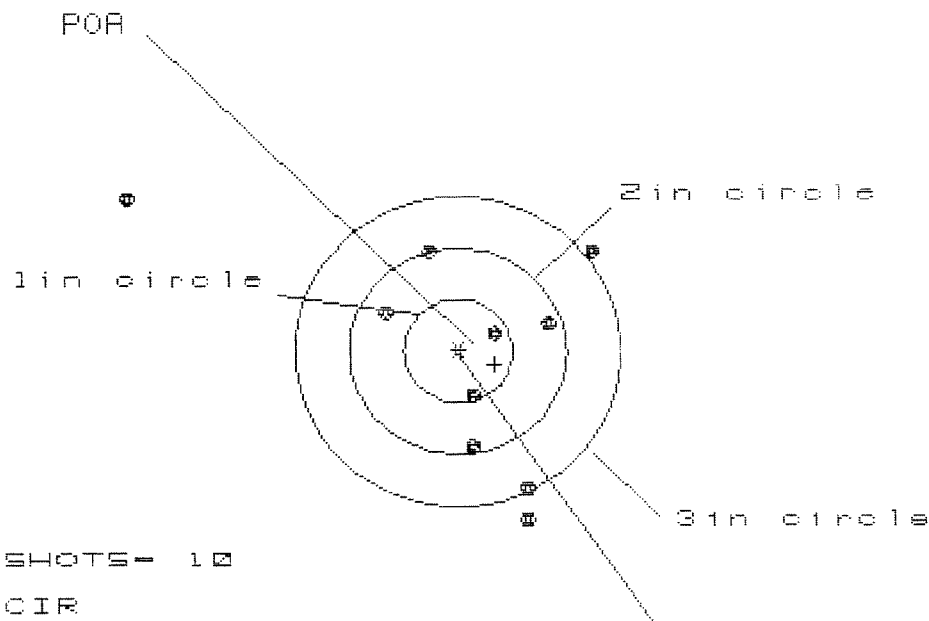
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.922	.785	.799
MINIMUM X	-1.229	-.731	-.717
MAXIMUM Y	.872	.913	.767
MINIMUM Y	-1.207	-1.166	-1.038
CENTROID X	-.039	.098	.084
CENTROID Y	.110	.069	.215
POA TO CENTROID in.	.116	.119	.230
MIN RADIUS	.316	.205	.188
MEAN RADIUS	.772	.695	.594
MAX RADIUS	1.283	1.171	1.156
HORIZONTAL SPREAD	2.151	1.516	1.516
VERTICAL SPREAD	2.079	2.079	1.806
EXTREME SPREAD	2.276	2.242	1.964
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522187

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

HS = 4.293

VS = 3.113

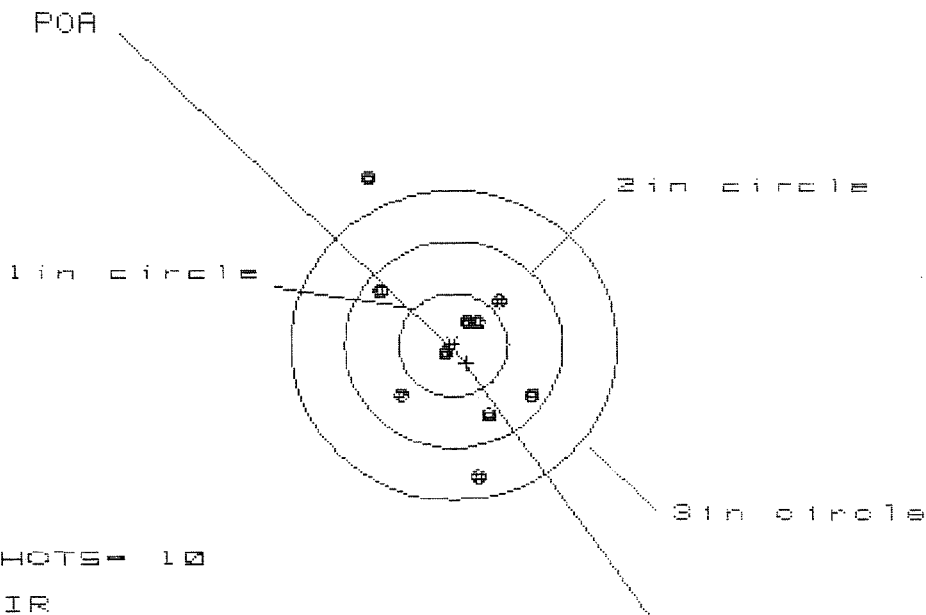
GS = 4.795

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.236	.896	.927
MINIMUM X	-3.057	-.986	-.955
MAXIMUM Y	1.488	1.152	.969
MINIMUM Y	-1.625	-1.460	-1.376
CENTROID X	-.336	.004	-.027
CENTROID Y	.128	-.038	.145
POA TO CENTROID in.	.359	.038	.147
MIN RADIUS	.419	.354	.193
MEAN RADIUS	1.273	.981	.899
MAX RADIUS	3.400	1.482	1.422
HORIZONTAL SPREAD	4.293	1.882	1.882
VERTICAL SPREAD	3.113	2.612	2.345
EXTREME SPREAD	4.795	2.741	2.519
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522187

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.577

VS= 2.913

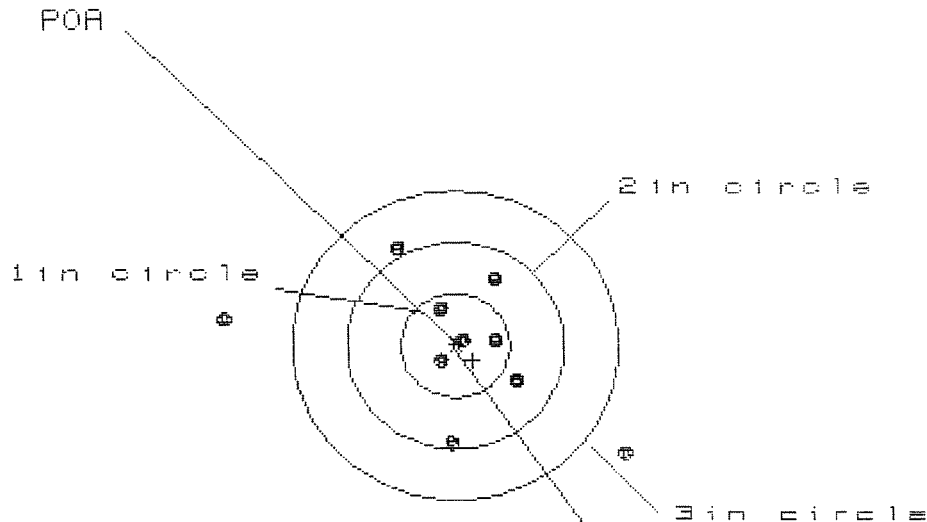
GS= 3.093

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.751	.659	.674
MINIMUM X	:	-.826	-.768	-.753
MAXIMUM Y	:	1.608	.715	.574
MINIMUM Y	:	-1.305	-1.126	-.656
CENTROID X	:	-.123	-.031	-.046
CENTROID Y	:	.177	-.002	.139
POA TO CENTROID in.	:	.215	.031	.147
MIN RADIUS	:	.081	.193	.135
MEAN RADIUS	:	.757	.645	.553
MAX RADIUS	:	1.808	1.133	.947
HORIZONTAL SPREAD	:	1.577	1.427	1.427
VERTICAL SPREAD	:	2.913	1.841	1.230
EXTREME SPREAD	:	3.093	2.045	1.734
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Sep 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 3.685

VS= 2.018

GS= 3.922

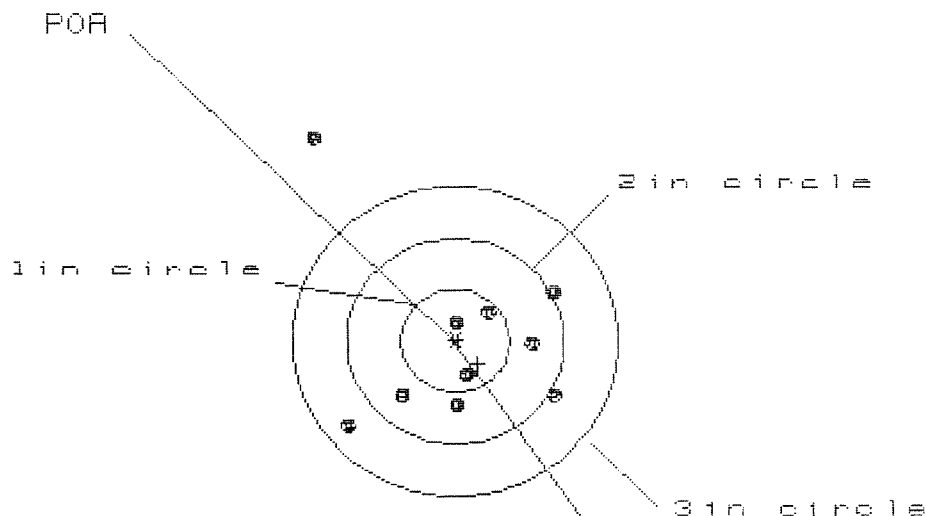
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.588	1.355	.463
MINIMUM X	:	-2.097	-.774	-.604
MAXIMUM Y	:	.954	.985	.856
MINIMUM Y	:	-1.064	-1.033	-.996
CENTROID X	:	-.162	.071	-.099
CENTROID Y	:	.144	.113	.242
POA TO CENTROID in.	:	.217	.133	.261
MIN RADIUS	:	.122	.145	.036
MEAN RADIUS	:	.846	.694	.536
MAX RADIUS	:	2.115	1.704	1.048
HORIZONTAL SPREAD	:	3.685	2.129	1.067
VERTICAL SPREAD	:	2.018	2.018	1.852
EXTREME SPREAD	:	3.922	2.933	1.931
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522187

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.215

VS= 2.811

GS= 3.336

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.988	.763	.614
MINIMUM X	:	-1.307	-1.188	-.754
MAXIMUM Y	:	1.981	.727	.651
MINIMUM Y	:	-.830	-.610	-.452
CENTROID X	:	-.205	-.060	.089
CENTROID Y	:	.221	.001	.077
POA TO CENTROID in.	:	.302	.060	.117
MIN RADIUS	:	.175	.167	.317
MEAN RADIUS	:	.864	.651	.558
MAX RADIUS	:	2.373	1.336	.864
HORIZONTAL SPREAD	:	2.215	1.951	1.368
VERTICAL SPREAD	:	2.811	1.337	1.103
EXTREME SPREAD	:	3.336	2.327	1.675
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06522187

DATE 8/31/90

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.14	2.20	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.20	2.18	2.21	
PULL #3	2.01	2.13	2.14	2.23	
PULL #4	2.34	2.22	2.10	2.17	
PULL #5	2.36	2.09	2.13	2.22	
TOTAL	11.16	10.78	10.75	11.12	
AVG.	2.232	2.156	2.15	2.22	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.36		
PULL #2	3.38	3.35		
PULL #3	3.36	3.41		
PULL #4	3.39	3.36		
PULL #5	3.34	3.44		
TOTAL	16.87	16.92		
AVG.	3.374	3.384		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.16		4.15
PULL #2	4.17	4.14		4.12
PULL #3	4.18	4.13		4.24
PULL #4	4.16	4.15		4.28
PULL #5	4.20	4.07		4.12
TOTAL	20.93	20.65		20.91
AVG.	4.186	4.13		4.182

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522187

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/1/90	KR
	Magnaflux Bolt		8/1/90	KR
615	Rollmark Caliber		8/7/90	LS
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/24/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/31/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/5/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/5/90	WB
	H) Trigger Pull Test & Retainability						8/31/90	W
	I) Firing Pin Indent	.0225	.0225	.0225			9/5/90	WB
	J) Assemble Stock						9/9/90	RW
	K) Assemble Swivel Studs						9/11/90	W
	L) Attach Front and Rear Sight Assemblies						9/9/90	RW
	M) Iron Sight Alignment						9/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/9/90	RW
	O) Attach Scope to Rifle						9/9/90	W
	P) Detach & Attach Scope 20 Times						9/9/90	W
640	Gallery Target & Test						9/9/90	NF
	A) Time						9/9/90	NF
	B) Malfunctions						9/9/90	NF
	C) Pierced Primers						9/9/90	NF
	D) Optical Clarity of Scope						9/9/90	NF
645	Inspect for Live Ammo						9/9/90	NF
655	Final Inspection							
	A) Headspace						9/11/90	W
	B) Trigger Pull	2.29	2.21	2.23	2.17	2.22	9/10/90	WB
	C) Function						9/11/90	W
660	Pack						9/10/90	NF