

06594492

MODEL 700™ M24

Model SWS™

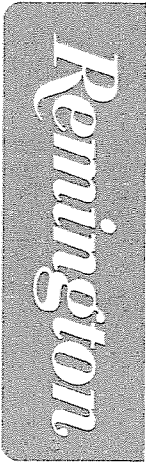
Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594492.___0
FILE DATE AND TIME: 04/20/2005 06:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.036
The Average Y Centroid of the Five Target Set:	-0.191
The Average Point of Impact of the Five Target Set:	0.194
The Average Mean Radius of the Five Target Set:	0.953
The Distance from POA to Centroid Target #1:	0.149
The Distance from Centroid Target #2 to Centroid Target #1:	0.992
The Distance from Centroid Target #3 to Centroid Target #1:	0.565
The Distance from Centroid Target #4 to Centroid Target #1:	0.155
The Distance from Centroid Target #5 to Centroid Target #1:	0.342

SERIAL NUMBER: C6594492.___0

TARGET NUMBER: 1

FILE DATE: 04/20/2005

FILE TIME: 06:54

X CENTROID: -0.010

Y CENTROID: 0.149

POA TO CENTROID: 0.149

HORZ SPREAD: 2.161

VERT SPREAD: 1.727

GROUP SPREAD: 2.224

MIN RADIUS: 0.163

MAX RADIUS: 1.482

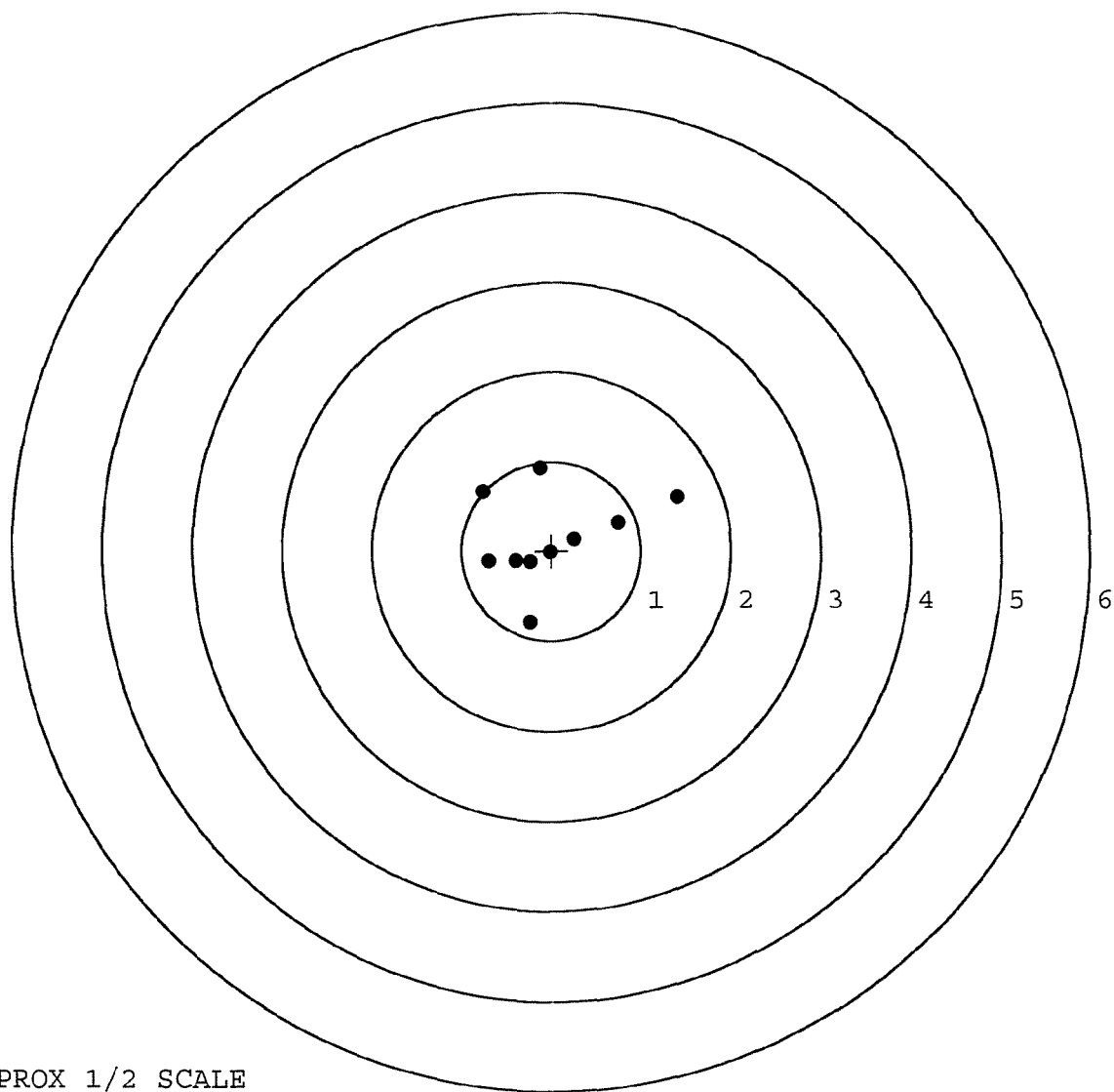
MEAN RADIUS: 0.693

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.401	0.604
2:	0.746	0.318
3:	0.254	0.133
4:	-0.015	-0.014
5:	-0.245	-0.122
6:	-0.400	-0.113
7:	-0.703	-0.117
8:	-0.245	-0.797
9:	-0.760	0.665
10:	-0.128	0.930



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594492. 0

TARGET NUMBER: 2

FILE DATE: 04/20/2005

FILE TIME: 06:54

X CENTROID: -0.215

Y CENTROID: -0.821

POA TO CENTROID: 0.849

HORZ SPREAD: 2.220

VERT SPREAD: 3.588

GROUP SPREAD: 3.687

MIN RADIUS: 0.100

MAX RADIUS: 2.165

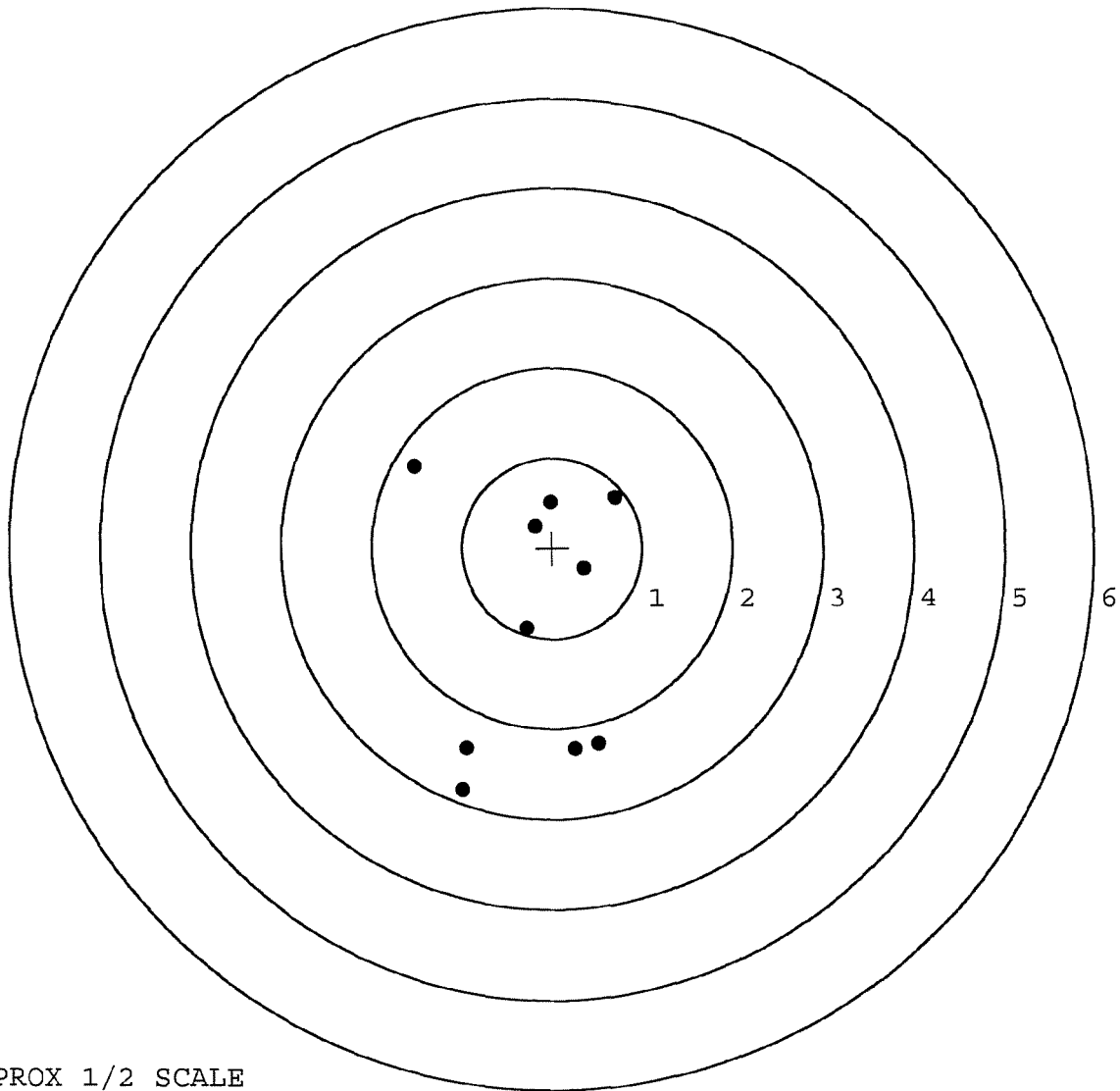
MEAN RADIUS: 1.377

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 5

POINT#	X	Y
1:	0.695	0.561
2:	-0.022	0.511
3:	-0.197	0.238
4:	0.353	-0.230
5:	-0.290	-0.888
6:	0.517	-2.167
7:	0.254	-2.232
8:	-0.949	-2.225
9:	-0.988	-2.685
10:	-1.525	0.903

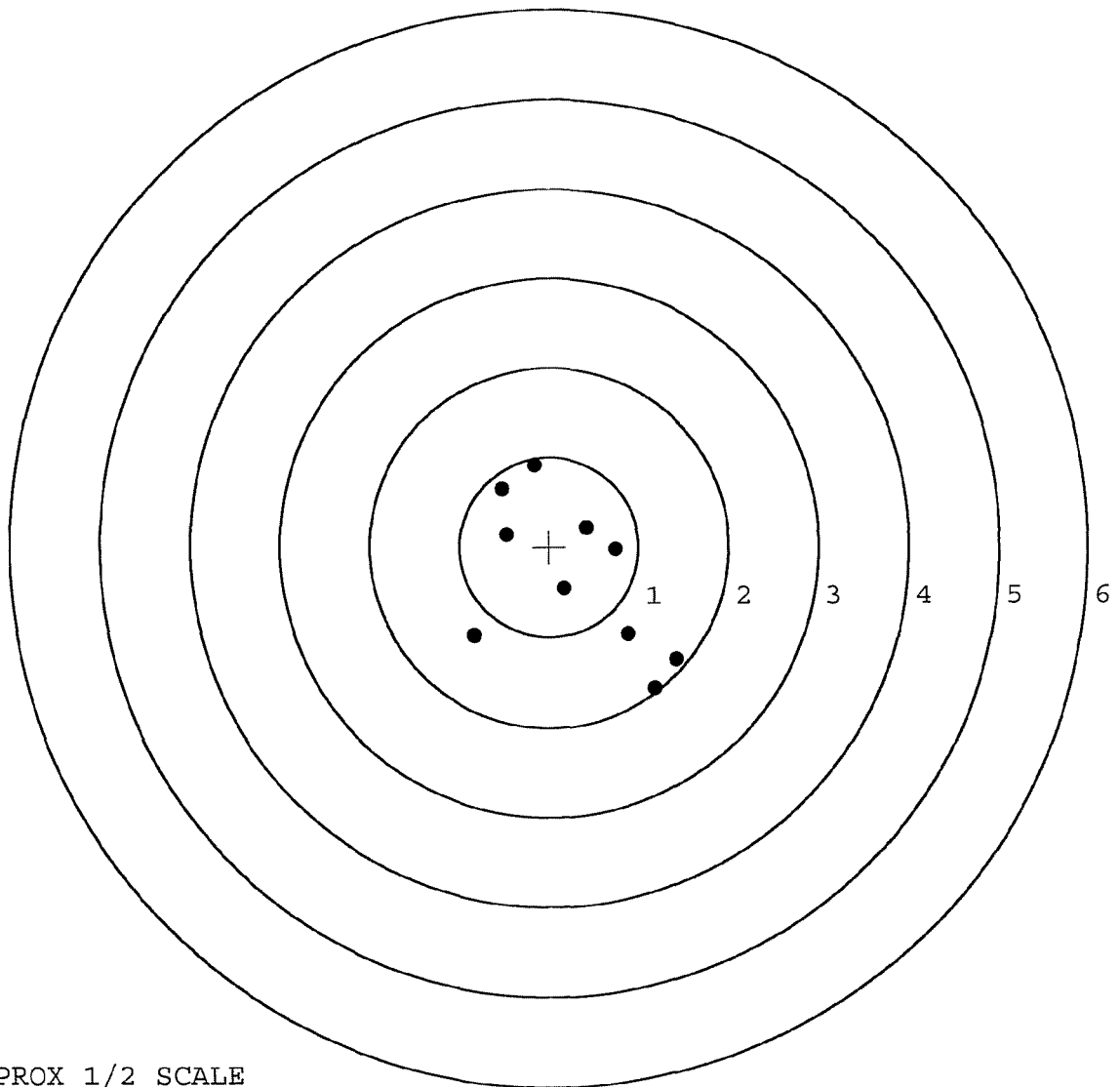


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594492. __0
TARGET NUMBER: 3
FILE DATE: 04/20/2005
FILE TIME: 06:54

X CENTROID: 0.278
Y CENTROID: -0.338
POA TO CENTROID: 0.437
HORZ SPREAD: 2.249
VERT SPREAD: 2.488
GROUP SPREAD: 2.824
MIN RADIUS: 0.176
MAX RADIUS: 1.530
MEAN RADIUS: 0.996
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.414	-1.258
2:	1.174	-1.577
3:	0.877	-0.978
4:	-0.835	-0.986
5:	0.161	-0.469
6:	0.744	-0.029
7:	0.414	0.214
8:	-0.479	0.146
9:	-0.531	0.649
10:	-0.163	0.911



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594492.___0

TARGET NUMBER: 4

FILE DATE: 04/20/2005

FILE TIME: 06:54

X CENTROID: 0.093

Y CENTROID: 0.033

POA TO CENTROID: 0.098

HORZ SPREAD: 1.759

VERT SPREAD: 1.978

GROUP SPREAD: 1.992

MIN RADIUS: 0.377

MAX RADIUS: 1.197

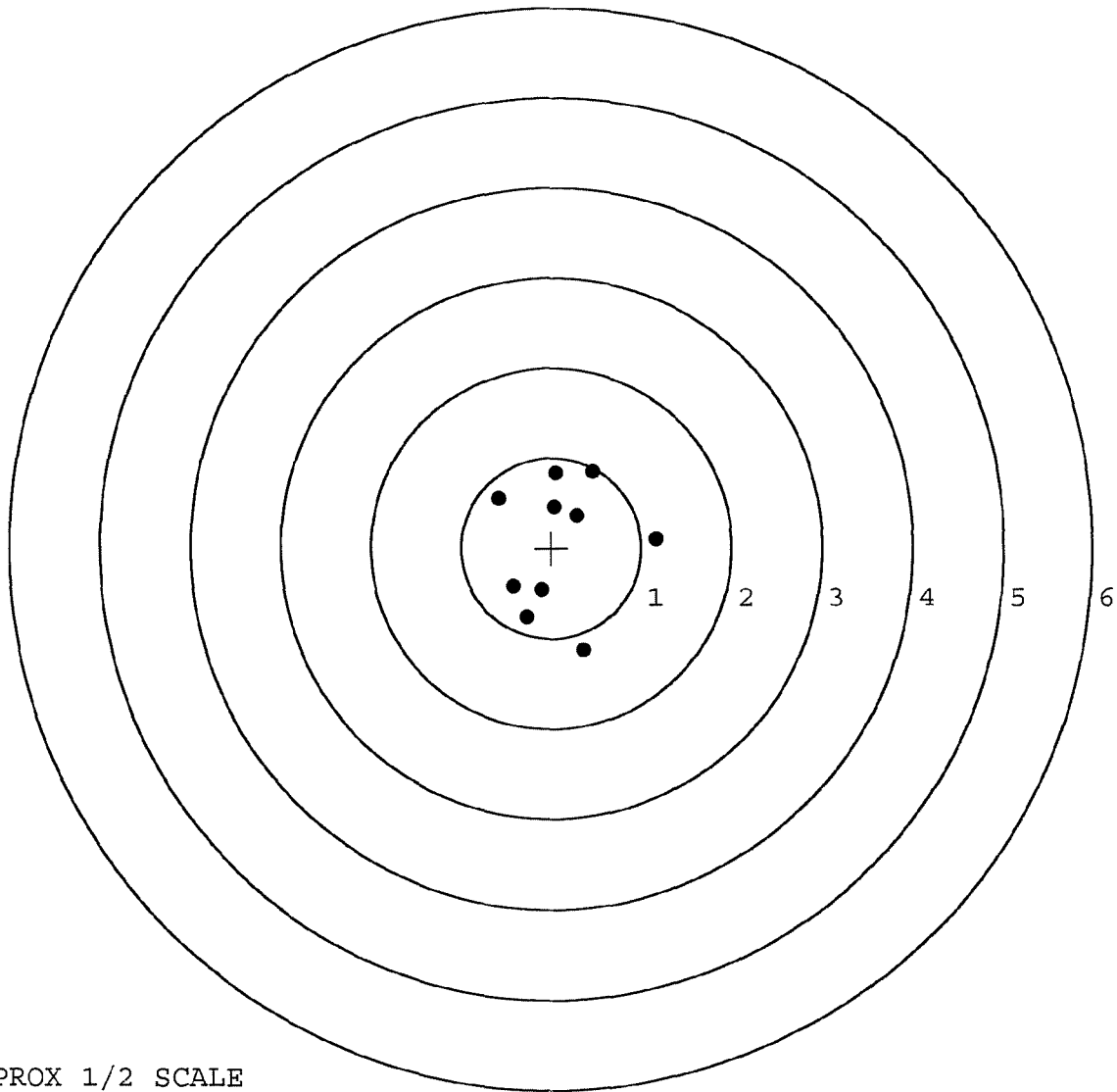
MEAN RADIUS: 0.775

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.168	0.095
2:	0.354	-1.136
3:	-0.591	0.547
4:	-0.119	-0.468
5:	-0.433	-0.431
6:	-0.275	-0.768
7:	0.281	0.359
8:	0.033	0.454
9:	0.048	0.832
10:	0.462	0.842



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594492. 0

TARGET NUMBER: 5

FILE DATE: 04/20/2005

FILE TIME: 06:54

X CENTROID: -0.327

Y CENTROID: 0.023

POA TO CENTROID: 0.328

HORZ SPREAD: 2.496

VERT SPREAD: 3.464

GROUP SPREAD: 3.491

MIN RADIUS: 0.161

MAX RADIUS: 1.903

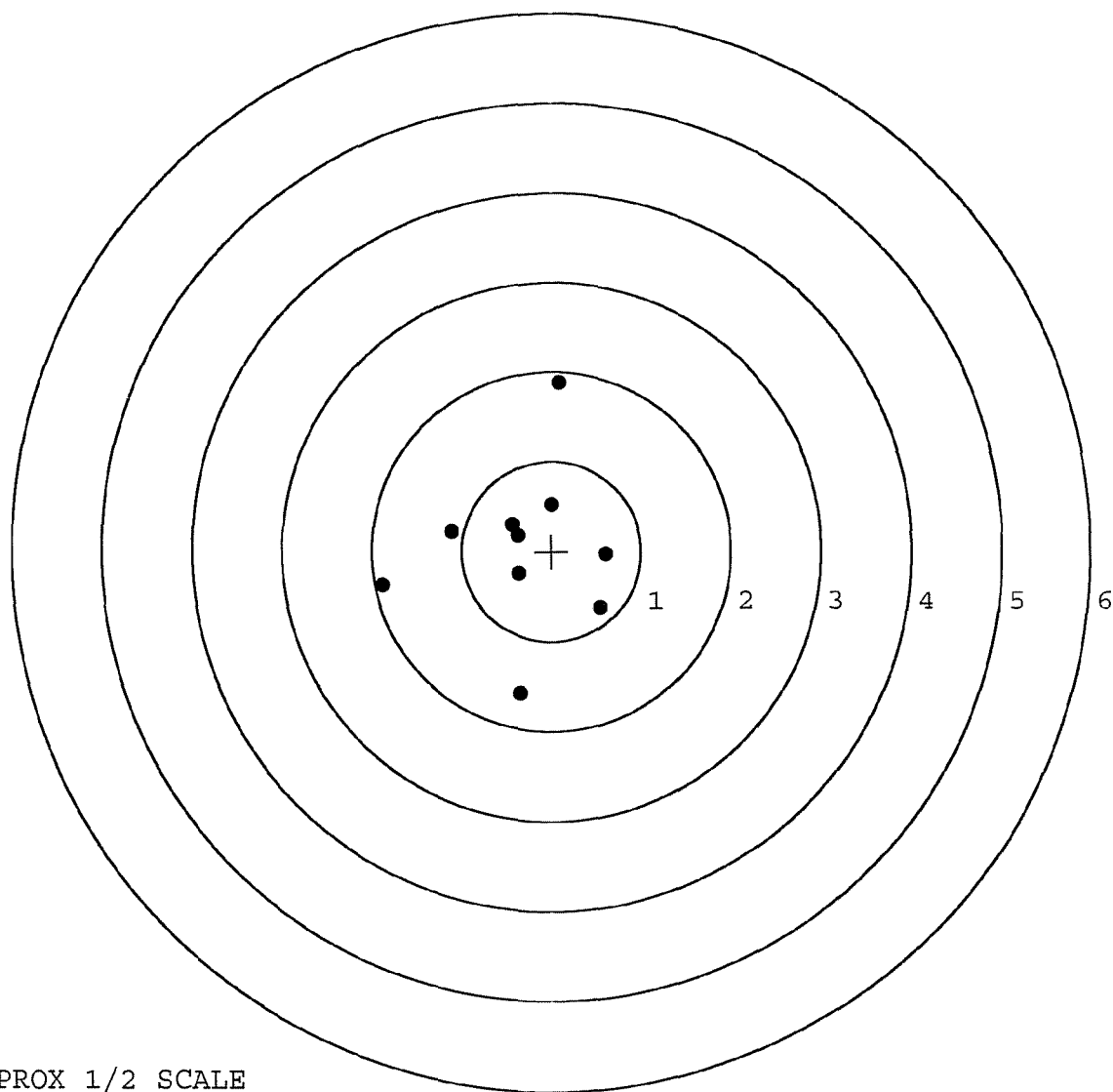
MEAN RADIUS: 0.927

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.546	-0.625
2:	0.612	-0.033
3:	0.090	1.880
4:	-1.884	-0.374
5:	-0.347	-1.584
6:	-0.368	-0.244
7:	-1.111	0.221
8:	-0.378	0.176
9:	-0.434	0.297
10:	0.003	0.515



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92553		
SERIAL NUMBER	C6594492		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX	3-21-05	AC
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29-05	AC
620	APPLY COATINGS	4-5-05	AC
625 A	FINAL ASSEMBLY	4-14-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-22-05	AC
D	SAFETY "OFF" FORCE	4-22-05	AC
E	FIRING PIN INDENT	4-22-05	AC
640	TARGET	4-20-05	TRW
655	FINAL INSPECT	4-22-05	AC
660	PACK	4-23-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington® REG. U.S. PAT. & TM. OFF.

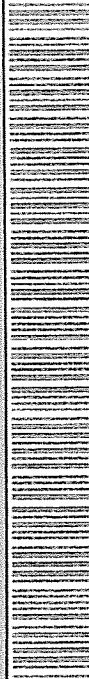
MODEL 700™ M24

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

SERIAL NO.
C6594492

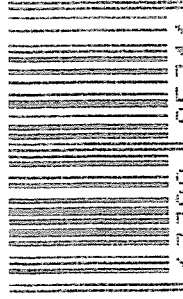
ORDER NO.
5716

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



5716 C6594492

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594492

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	28
617	Drill and Tap Sight Holes	1 10 91		KB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-18-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-23-91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4			1/23/91	WB
	G) Safety Off Force	2	2	2			1/23/91	WB
	H) Trigger Pull Test & Retainability						1-23-91	JH
	I) Firing Pin Indent	.021	.021	.021			1/23/91	WB
	J) Assemble Stock						1/23/91	RW
	K) Assemble Swivel Studs						2-6-91	DH
	L) Attach Front and Rear Sight Assemblies						1/23/91	RW
	M) Iron Sight Alignment						1/23/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/23/91	RW
	O) Attach Scope to Rifle						1/23/91	RW
	P) Detach & Attach Scope 20 Times						1/23/91	RW
640	Gallery Target & Test						1-23-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						1-23-91	AF
655	Final Inspection							
	A) Headspace						2-5-91	DH
	B) Trigger Pull	2.50	2.26	2.25	2.40	2.41	2-1-91	JH
	C) Function						2-5-91	DH
660	Pack						3/15/91	WB

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	New EXtractor Bench Test OK	1/ 24/ 91 RW
TEST ✓		
TGT		
PROOF	100 Rdb shot OK 2-4-91 DH	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. <u>M24</u>		GA. CAL. <u>7.62</u>	GUN # <u>4492</u>
#	TEST	DATE	MALFUNCTION/DEFECT
		1st	
NF		1/23	EDS
		2nd	
		3rd	
		4th	
		FUNCTION	
		RD 6654	Rev 1

SWS TRIGGER PULL TEST

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

SERIAL NO C6594492

DATE 1-23-91

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.15	2.39	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.32	2.30	2.26	
PULL #3	2.50	2.30	2.15	2.25	
PULL #4	2.40	2.32	2.35	2.40	
PULL #5	2.46	2.25	2.30	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.13		
PULL #2	3.31	3.23		
PULL #3	3.26	3.21		
PULL #4	3.25	3.25		
PULL #5	3.33	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.12		4.24
PULL #2	4.33	4.15		4.20
PULL #3	4.30	4.26		4.27
PULL #4	4.28	4.20		4.36
PULL #5	4.21	4.22		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594492
24 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.316141
1 TO	2	.289178
1 TO	3	.295373
1 TO	4	.186507
1 TO	5	.237945

15
1
-----POA

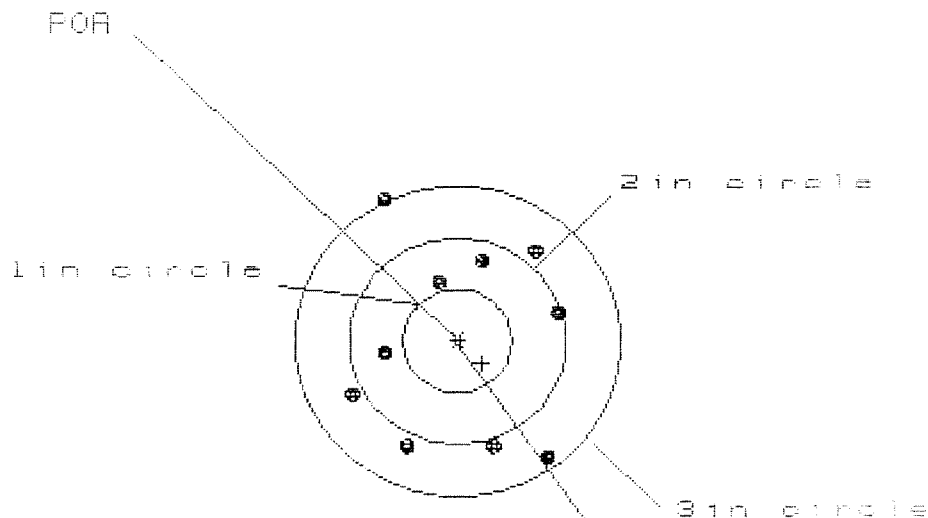
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0778
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1296
THE AVERAGE POI RADIUS FOR THIS RIFLE IS: .151154
THE AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.162

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594492

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 1.856

VS= 2.514

GS= 2.947

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.918	.838	.929
MINIMUM X	:	-.938	-1.018	-.926
MAXIMUM Y	:	1.413	1.044	.926
MINIMUM Y	:	-1.101	-.943	-1.020
CENTROID X	:	-.228	-.148	-.240
CENTROID Y	:	.219	.062	.180
FOR TO CENTROID in.	:	.315	.160	.300
MIN RADIUS	:	.572	.744	.608
MEAN RADIUS	:	1.040	.979	.932
MAX RADIUS	:	1.587	1.212	1.165
HORIZONTAL SPREAD	:	1.856	1.856	1.856
VERTICAL SPREAD	:	2.514	1.987	1.946
EXTREME SPREAD	:	2.947	2.246	2.246
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594492
24 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.316141
1 TO	2	.289178
1 TO	3	.295373
1 TO	4	.186507
1 TO	5	.237945

15 ←----POA

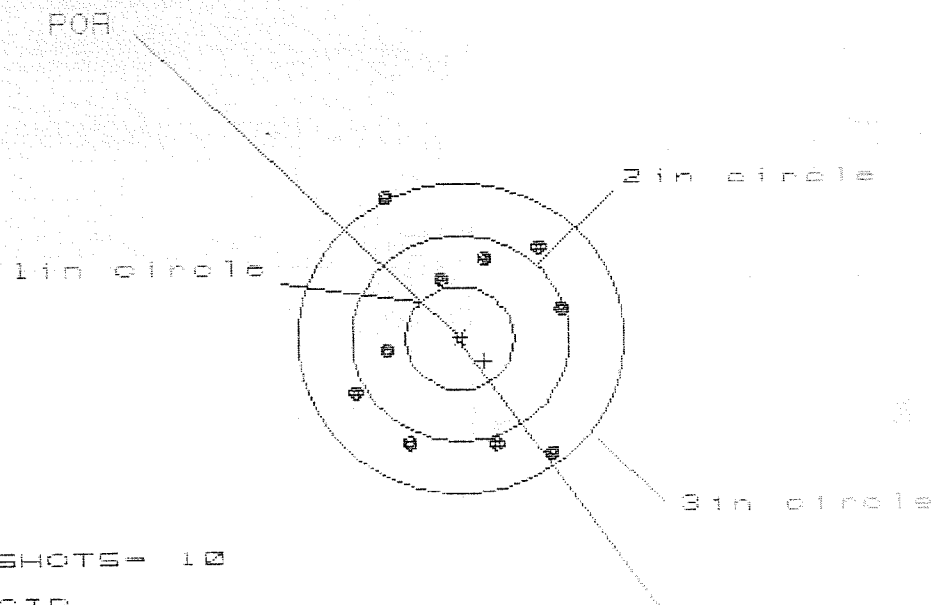
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0778
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1296
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151159
THE AMR FOR THIS RIFLE IS: 1.162

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594492

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 9

HS = 1.856

VS = 2.514

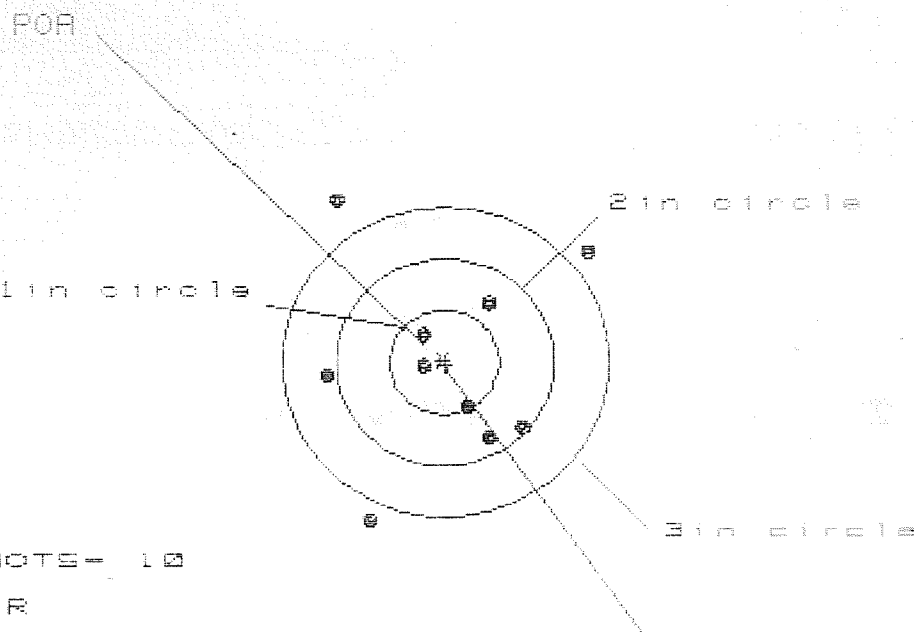
GS = 2.947

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.918	.838	.929
MINIMUM X	:	-.938	-1.018	-.926
MAXIMUM Y	:	1.413	1.044	.926
MINIMUM Y	:	-1.101	-.943	-1.020
CENTROID X	:	-.228	-.148	-.240
CENTROID Y	:	.219	.062	.100
POA TO CENTROID in.	:	.316	.160	.300
MIN RADIUS	:	.572	.744	.608
MEAN RADIUS	:	1.040	.979	.932
MAX RADIUS	:	1.587	1.212	1.165
HORIZONTAL SPREAD	:	1.856	1.856	1.856
VERTICAL SPREAD	:	2.514	1.987	1.946
EXTREME SPREAD	:	2.947	2.246	2.246
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594492

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 2.348

VS= 3.114

GS= 3.314

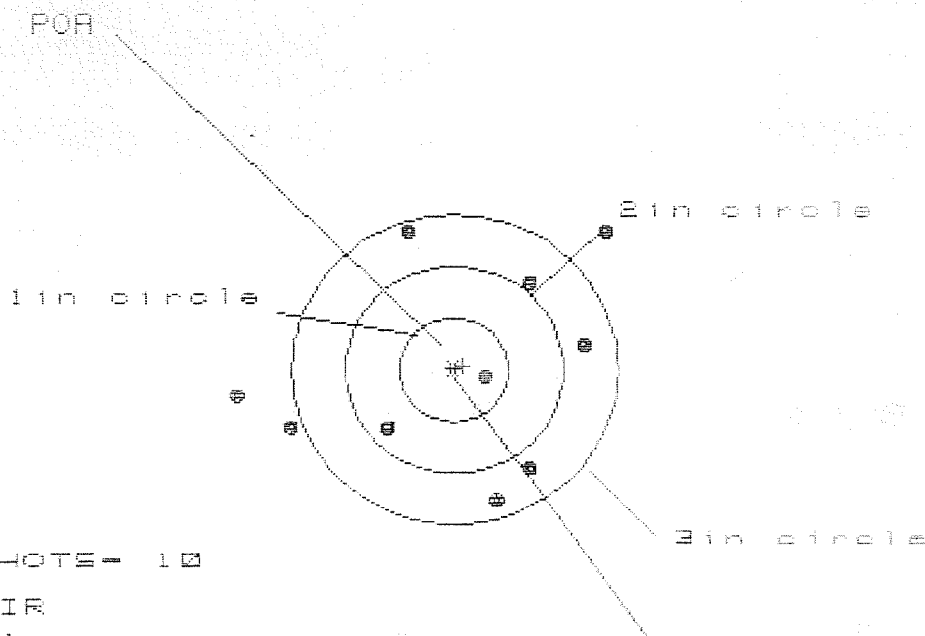
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.294	1.182	.765
MINIMUM X	:	-1.054	-1.166	-1.018
MAXIMUM Y	:	1.542	1.287	.932
MINIMUM Y	:	-1.572	-1.401	-1.240
CENTROID X	:	-.010	.102	-.046
CENTROID Y	:	.029	-.142	-.303
POR TO CENTROID in.	:	.031	.175	.307
MIN RADIUS	:	.231	.277	.294
MEAN RADIUS	:	.993	.883	.771
MAX RADIUS	:	1.045	1.748	1.391
HORIZONTAL SPREAD	:	2.348	2.348	1.783
VERTICAL SPREAD	:	3.114	2.688	2.172
EXTREME SPREAD	:	3.314	3.314	2.428
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594492

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HE = 3.433

VS = 2.583

GS = 3.767

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.487
MINIMUM X	-2.026
MAXIMUM Y	1.334
MINIMUM Y	-1.249
CENTROID X	-.086
CENTROID Y	-.040
POA TO CENTROID in.	.095
MIN RADIUS	.313
MEAN RADIUS	1.291
MAX RADIUS	2.039
HORIZONTAL SPREAD	3.433
VERTICAL SPREAD	2.583
EXTREME SPREAD	3.767
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	2
NUMBER IN THREE INCH CIRCLE =	7

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/03534492

CENTERFIRE PATTERNS

4

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 2.6000

VS = 3.6600

GS = 3.9556

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.248	1.175	1.272
MINIMUM X	-1.433	-1.505	-1.408
MAXIMUM Y	1.629	1.403	.814
MINIMUM Y	-2.031	-1.194	-1.018
CENTROID X	-.060	.012	-.085
CENTROID Y	.138	.364	.189
POB TO CENTROID in.	.151	.364	.207
MIN RADIUS	.310	.344	.265
MEAN RADIUS	1.114	.967	.886
MAX RADIUS	2.133	1.900	1.718
HORIZONTAL SPREAD	2.680	2.680	2.680
VERTICAL SPREAD	3.660	2.597	1.832
EXTREME SPREAD	3.956	3.432	2.967
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

24 Jan 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C8594492

CENTERFIRE PATTERNS

5

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 2.893

VS = 4.614

GS = 4.957

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.535	1.598	1.128
MINIMUM X	-1.358	-1.295	-1.095
MAXIMUM Y	2.870	2.555	.635
MINIMUM Y	-1.744	-1.425	-1.105
CENTROID X	-.005	-.068	-.268
CENTROID Y	.302	-.017	-.337
POB TO CENTROID in.	.302	.070	.430
MIN RADIUS	.362	.077	.308
MEAN RADIUS	1.373	1.076	.836
MAX RADIUS	2.926	3.014	1.480
HORIZONTAL SPREAD	2.893	2.893	2.223
VERTICAL SPREAD	4.614	3.980	1.741
EXTREME SPREAD	4.957	4.855	2.499
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		