

C6523498

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

NMP COPY 2

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523498.___0
FILE DATE AND TIME: 01/18/2006 14:39

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:	0.088
The Average Point of Impact of the Five Target Set:	0.088
The Average Mean Radius of the Five Target Set:	0.842
The Distance from POA to Centroid Target #1:	0.185
The Distance from Centroid Target #2 to Centroid Target #1:	0.781
The Distance from Centroid Target #3 to Centroid Target #1:	0.168
The Distance from Centroid Target #4 to Centroid Target #1:	0.176
The Distance from Centroid Target #5 to Centroid Target #1:	0.254

SERIAL NUMBER: C6523498. __0

TARGET NUMBER: 1

FILE DATE: 01/18/2006

FILE TIME: 14:39

POINT#	X	Y
1:	0.849	0.423
2:	0.126	-2.041
3:	-0.242	-1.691
4:	-0.393	-1.380
5:	-0.406	0.143
6:	-0.109	0.383
7:	-0.352	0.514
8:	-0.417	0.717
9:	0.361	0.456
10:	0.347	0.640

X CENTROID: -0.024

Y CENTROID: -0.184

POA TO CENTROID: 0.185

HORZ SPREAD: 1.266

VERT SPREAD: 2.758

GROUP SPREAD: 2.811

MIN RADIUS: 0.503

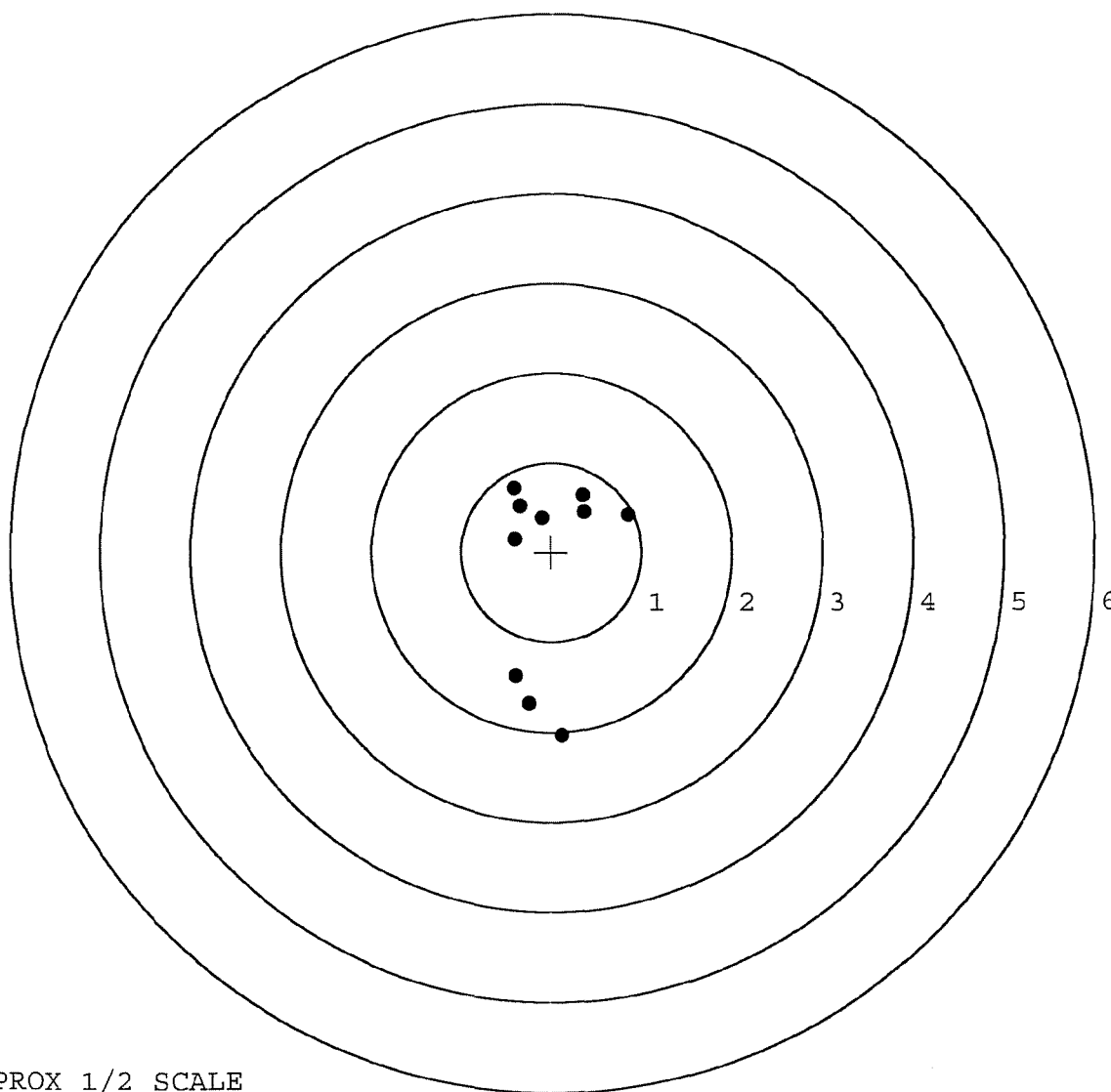
MAX RADIUS: 1.863

MEAN RADIUS: 1.018

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523498. 0

TARGET NUMBER: 2

FILE DATE: 01/18/2006

FILE TIME: 14:39

POINT#	X	Y
1:	0.902	-0.924
2:	0.781	-0.263
3:	0.644	0.478
4:	0.417	0.117
5:	0.112	-0.223
6:	-0.360	-0.380
7:	-0.795	-0.252
8:	-0.220	1.166
9:	-0.096	2.372
10:	-0.678	3.829

X CENTROID: 0.071

Y CENTROID: 0.592

POA TO CENTROID: 0.596

HORZ SPREAD: 1.697

VERT SPREAD: 4.753

GROUP SPREAD: 5.009

MIN RADIUS: 0.585

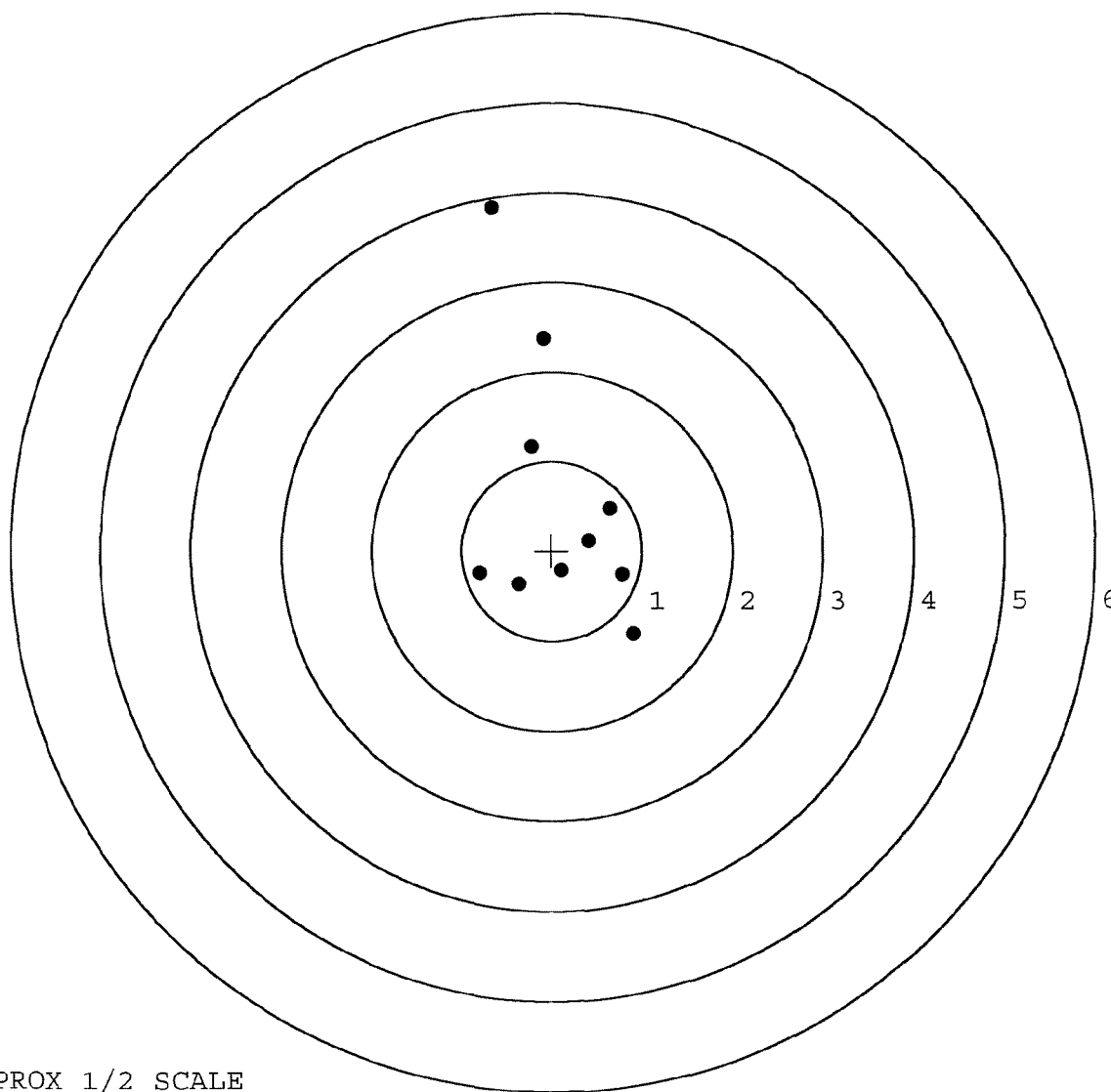
MAX RADIUS: 3.322

MEAN RADIUS: 1.285

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523498. __0

TARGET NUMBER: 3

FILE DATE: 01/18/2006

FILE TIME: 14:39

POINT#	X	Y
1:	0.416	-0.595
2:	0.082	-0.501
3:	-0.496	-0.947
4:	1.088	0.723
5:	0.219	0.645
6:	-0.089	0.168
7:	-0.519	0.111
8:	-0.745	-0.349
9:	-0.527	0.569
10:	-0.056	-0.025

X CENTROID: -0.063

Y CENTROID: -0.020

POA TO CENTROID: 0.066

HORZ SPREAD: 1.833

VERT SPREAD: 1.670

GROUP SPREAD: 2.302

MIN RADIUS: 0.008

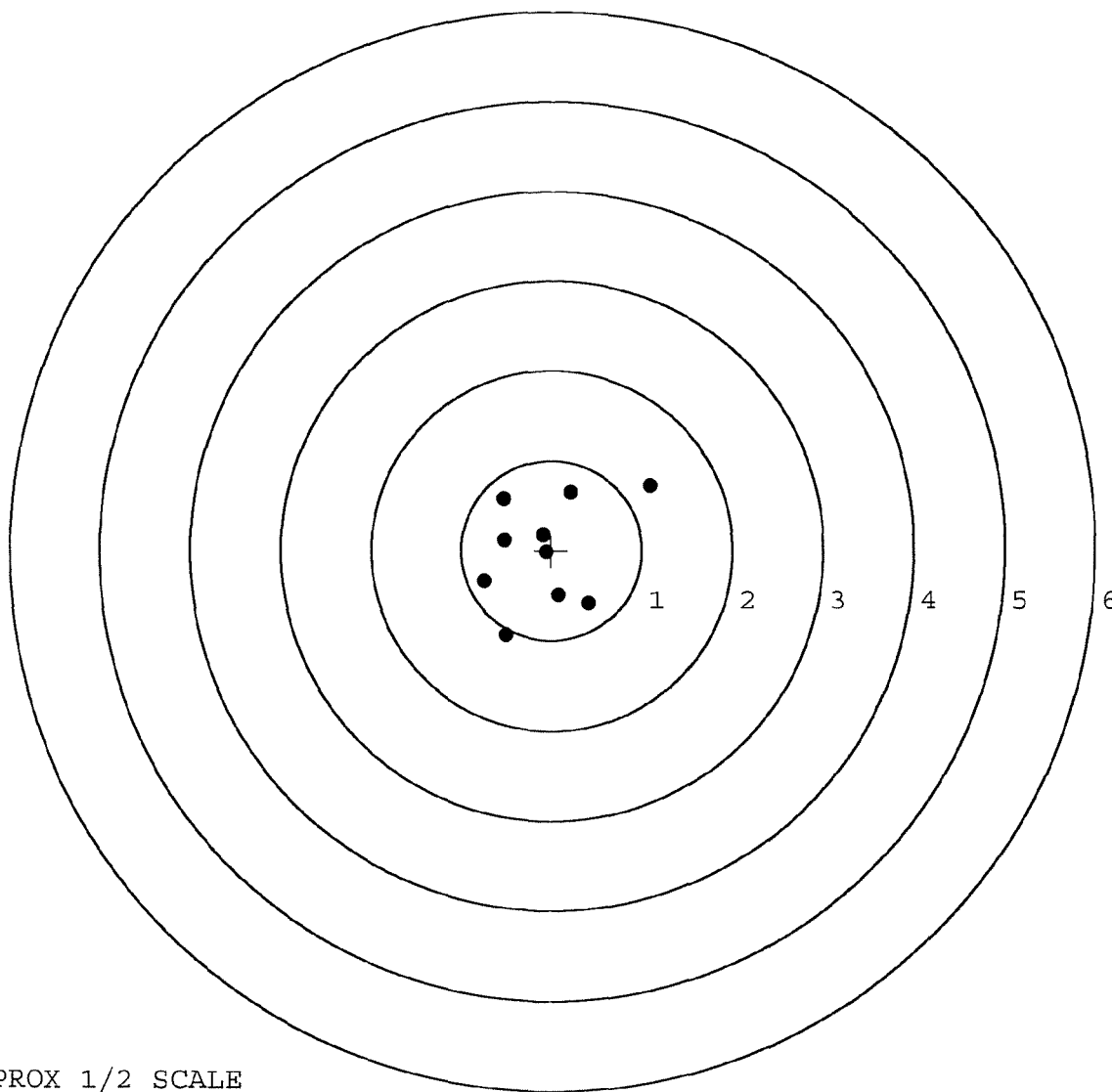
MAX RADIUS: 1.370

MEAN RADIUS: 0.655

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

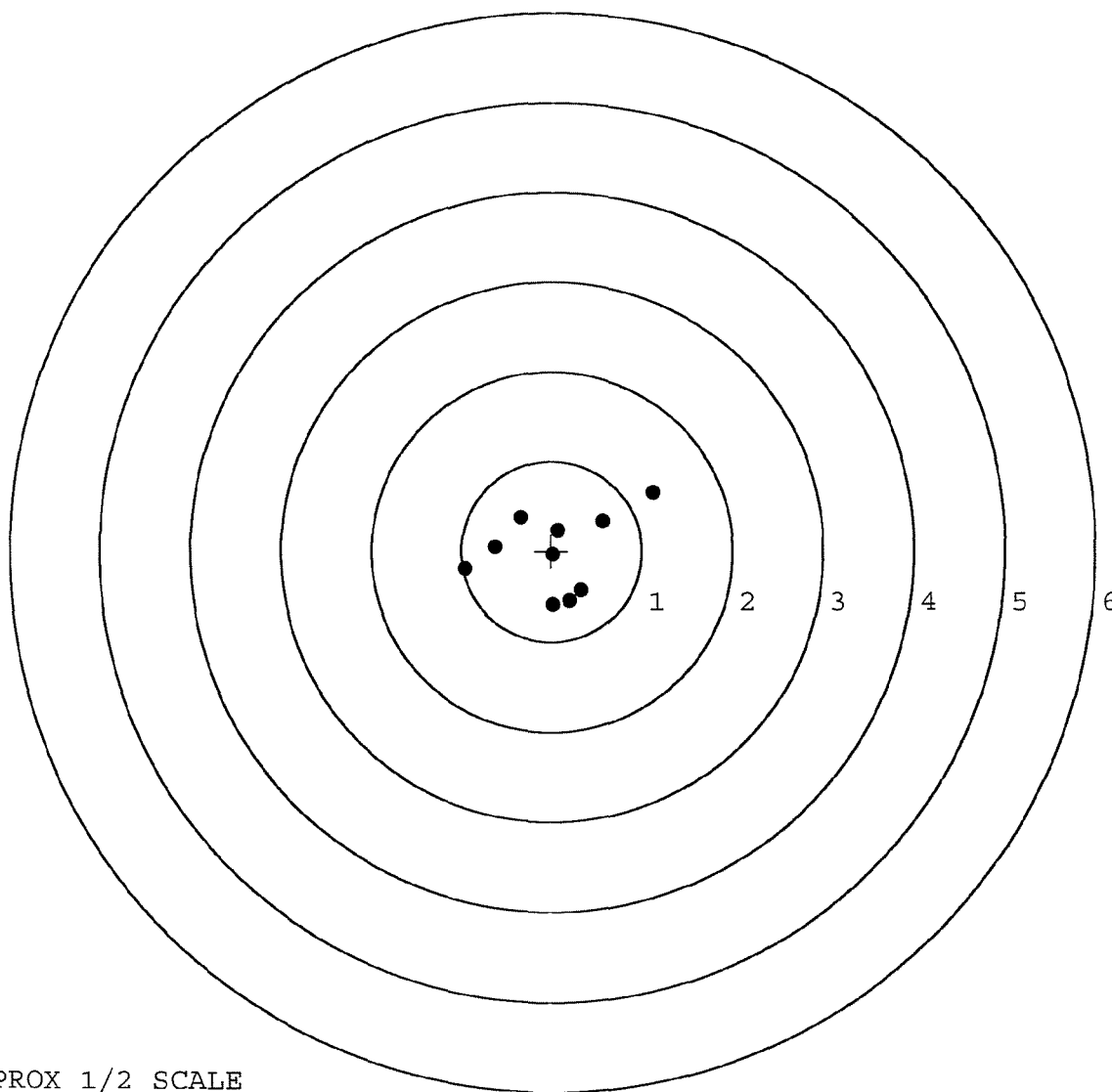


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523498. __ 0
TARGET NUMBER: 4
FILE DATE: 01/18/2006
FILE TIME: 14:39

POINT#	X	Y
1:	0.330	-0.439
2:	0.018	-0.594
3:	1.125	0.657
4:	0.572	0.330
5:	0.074	0.231
6:	0.020	-0.042
7:	-0.341	0.368
8:	-0.620	0.044
9:	-0.958	-0.204
10:	0.201	-0.551

X CENTROID: 0.042
Y CENTROID: -0.020
POA TO CENTROID: 0.047
HORZ SPREAD: 2.083
VERT SPREAD: 1.251
GROUP SPREAD: 2.254
MIN RADIUS: 0.031
MAX RADIUS: 1.277
MEAN RADIUS: 0.606
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523498. __0

TARGET NUMBER: 5

FILE DATE: 01/18/2006

FILE TIME: 14:39

POINT#	X	Y
1:	0.583	0.559
2:	0.264	0.406
3:	-0.249	0.552
4:	-0.472	0.234
5:	-0.618	0.390
6:	-0.867	0.489
7:	0.525	-0.361
8:	0.344	-0.475
9:	0.204	-0.563
10:	-0.073	-0.530

X CENTROID: -0.036

Y CENTROID: 0.070

POA TO CENTROID: 0.079

HORZ SPREAD: 1.450

VERT SPREAD: 1.122

GROUP SPREAD: 1.631

MIN RADIUS: 0.450

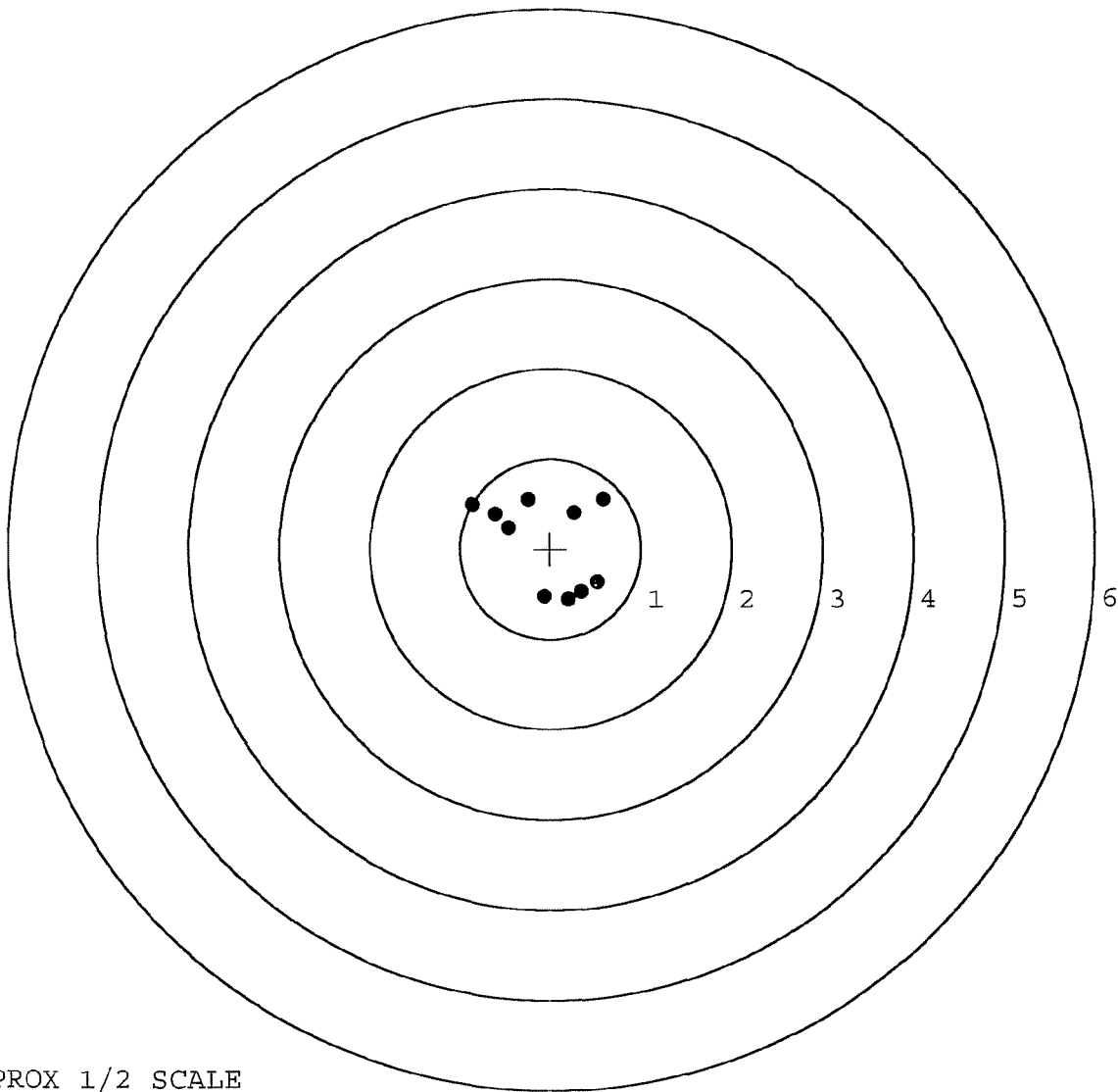
MAX RADIUS: 0.931

MEAN RADIUS: 0.648

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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 12-30-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET, 2.50 LBS		COMMENTS
PULL #1	2.46	2.44		2.75	
PULL #2	2.48	2.65		2.81	
PULL #3	2.25	2.41		2.30	
PULL #4	2.29	2.76		2.40	
PULL #5	2.62	2.63		2.32	
TOTAL	12.10	12.89		12.58	
AVERAGE	2.42	2.57		2.51	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.22		
PULL #2	3.38	3.20		
PULL #3	3.47	3.30		
PULL #4	3.49	3.43		
PULL #5	3.37	3.31		
TOTAL	17.13	16.46		
AVERAGE	3.42	3.29		

	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	4.45	4.24		4.39
PULL #2	4.38	4.31		4.21
PULL #3	4.45	4.47		4.32
PULL #4	4.58	4.42		4.43
PULL #5	4.30	4.42		4.31
TOTAL	22.16	21.86		21.66
AVERAGE	4.43	4.37		4.33

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

R & E NUMBER	106045		
SERIAL NUMBER	C6523498		
LOG-IN DATE	1-4-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-6-06	RTL
505	RE-BARREL	1-6-06	RTL
560	ASSEMBLE	1-6-06	RTL
600	PROOF	1-6-06	BC
605	CHECK HEADSPACE	1-6-06	AC
610	DIS-ASSEMBLE GUN	1-6-06	AC
612	MAGNAFLUX	1/10/06	Wend
510	DRILL AND TAP	1-10-06	TRW
615	ROLLMARK CALIBER	1-10-06	CW
618	ROTO-BLAST	1-10-06	LB
620	APPLY COATINGS	1/11	HP
625	FINAL ASSEMBLY	1-13-06	RTL
640	FUNCTION TEST AND	PASS FAIL 1-18-06	TRW
650	TARGET	PASS FAIL	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-18-06	TRW
	A) HEADSPACE	PASS FAIL 1-23-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.44 2.44 2.45 2.44 2.44
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 lbs 5 lbs 5 lbs
	G) SAFETY OFF FORCE	2 LBS MIN	2 lbs 2 lbs 2 lbs
	I) FIRING PIN INDENT	.020	
690	PACK		1-24-06




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

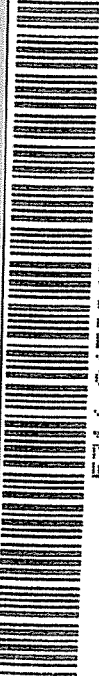
MODEL 700™ M24

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

SERIAL NO.
C6523498

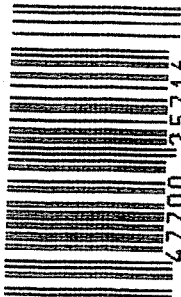
ORDER NO.
5716

Q1



5716 C6523498

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523498

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	JS
600	Proof		10/2/90	JS
607	Check Headspace		10/2/90	JS
610	Dis-assemble Gun		10/2/90	JS
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	GS
617	Drill and Tap Sight Holes		10/8/90	FB
618	Polish Barrel RB		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/2/90	JS

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	11/2/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/2/90	WB		
	H) Trigger Pull Test & Retainability				11/2/90	JH		
	I) Firing Pin Indent	10215	.022	.022	11/2/90	WB		
	J) Assemble Stock				11/2/90	KA		
	K) Assemble Swivel Studs				11-28-90	JH		
	L) Attach Front and Rear Sight Assemblies				11/2/90	KA		
	M) Iron Sight Alignment				11/2/90	KA		
	N) Detach Front & Rear Sights & place in numbered container				11/2/90	KA		
	O) Attach Scope to Rifle				11/2/90	KA		
	P) Detach & Attach Scope 20 Times				11/2/90	KA		
640	Gallery Target & Test				11-27-90	KT		
	A) Time				11-27-90	KT		
	B) Malfunctions				11-27-90	KT		
	C) Pierced Primers				11-27-90	KT		
	D) Optical Clarity of Scope				11-27-90	KT		
645	Inspect for Live Ammo				11-27-90	KT		
655	Final Inspection							
	A) Headspace				11-28-90	JH		
	B) Trigger Pull	256	252	248	249	249	11-28-90	JH
	C) Function						11-28-90	JH
660	Pack						12/18/90	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. 06523498
DATE 11/2/90
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.20	2.31	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.12	2.25	2.52	
PULL #3	2.42	2.25	2.20	2.48	
PULL #4	2.45	2.11	2.15	2.49	
PULL #5	2.17	2.23	2.20	2.49	
TOTAL	11.84	10.91	11.11		
AVG.	2.368	2.182	2.222		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.20		
PULL #2	3.16	3.26		
PULL #3	3.48	3.32		
PULL #4	3.18	3.26		
PULL #5	3.28	3.23		
TOTAL	16.31	16.27		
AVG.	3.262	3.254		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.41		4.47
PULL #2	4.39	4.40		4.49
PULL #3	4.41	4.43		4.39
PULL #4	4.42	4.46		4.41
PULL #5	4.14	4.38		4.38
TOTAL	21.51	22.08		22.14
AVG.	4.302	4.416		4.428

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523498
28 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.2791
1 TO 2	.496726
1 TO 3	.290028
1 TO 4	.140246
1 TO 5	.193313

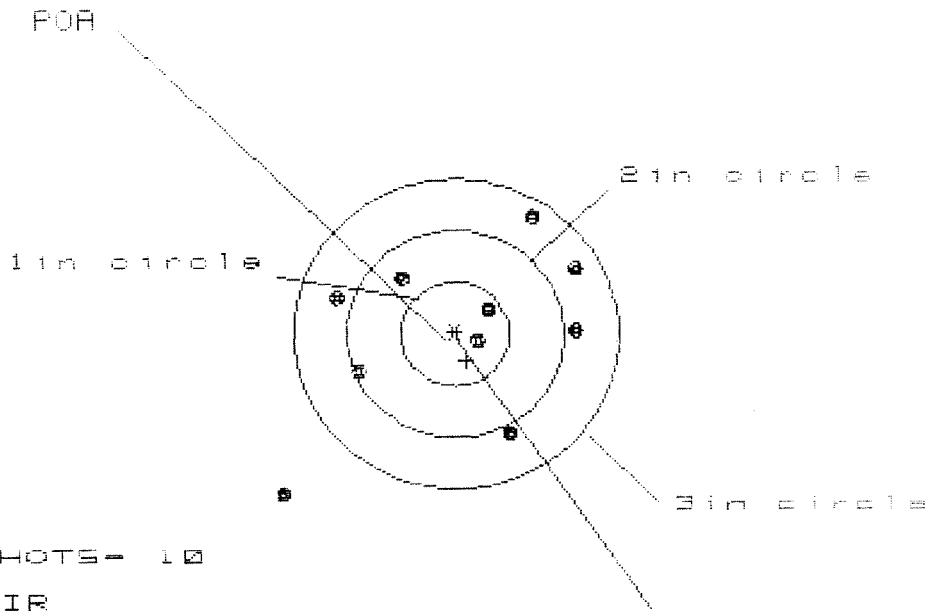
49 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0136
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0698
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0711126
THE AMR FOR THIS RIFLE IS: .8742

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523458

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 4

HS= 2.704

VS= 2.635

GS= 3.492

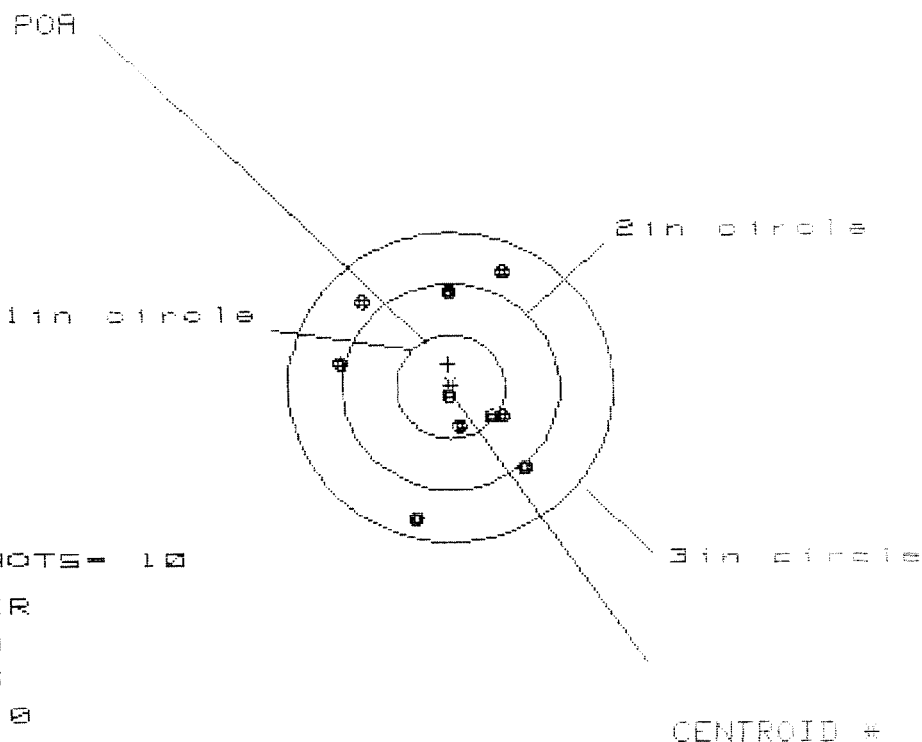
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.151	.978	1.049
MINIMUM X	:	-1.553	-1.276	-1.205
MAXIMUM Y	:	1.119	.950	.546
MINIMUM Y	:	-1.516	-1.155	-1.036
CENTROID X	:	-.104	.069	-.002
CENTROID Y	:	.259	.428	.309
POA TO CENTROID in.	:	.279	.433	.309
MIN RADIUS	:	.202	.128	.118
MEAN RADIUS	:	1.042	.872	.843
MAX RADIUS	:	2.171	1.287	1.239
HORIZONTAL SPREAD	:	2.704	2.254	2.254
VERTICAL SPREAD	:	2.635	2.105	1.582
EXTREME SPREAD	:	3.492	2.270	2.270
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	4		

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6525498

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 1.705

VS= 2.397

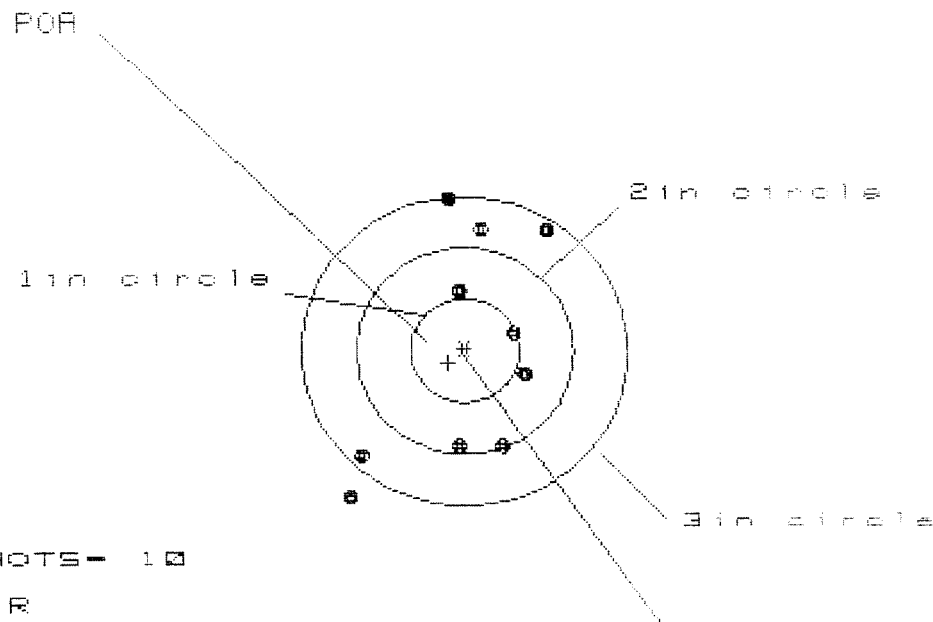
GS= 2.514

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.677	.647	.704
MINIMUM X	:	-1.028	-1.058	-1.002
MAXIMUM Y	:	1.147	1.008	.877
MINIMUM Y	:	-1.250	-.942	-.816
CENTROID X	:	.020	.050	-.007
CENTROID Y	:	-.222	-.083	-.209
POA TO CENTROID in.	:	.223	.097	.209
MIN RADIUS	:	.081	.222	.087
MEAN RADIUS	:	.828	.795	.725
MAX RADIUS	:	1.280	1.143	1.178
HORIZONTAL SPREAD	:	1.705	1.705	1.705
VERTICAL SPREAD	:	2.397	1.950	1.693
EXTREME SPREAD	:	2.514	2.253	2.253
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523498

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 9

HS- 1.836

VS- 2.889

GS= 3.212

CENTROID *

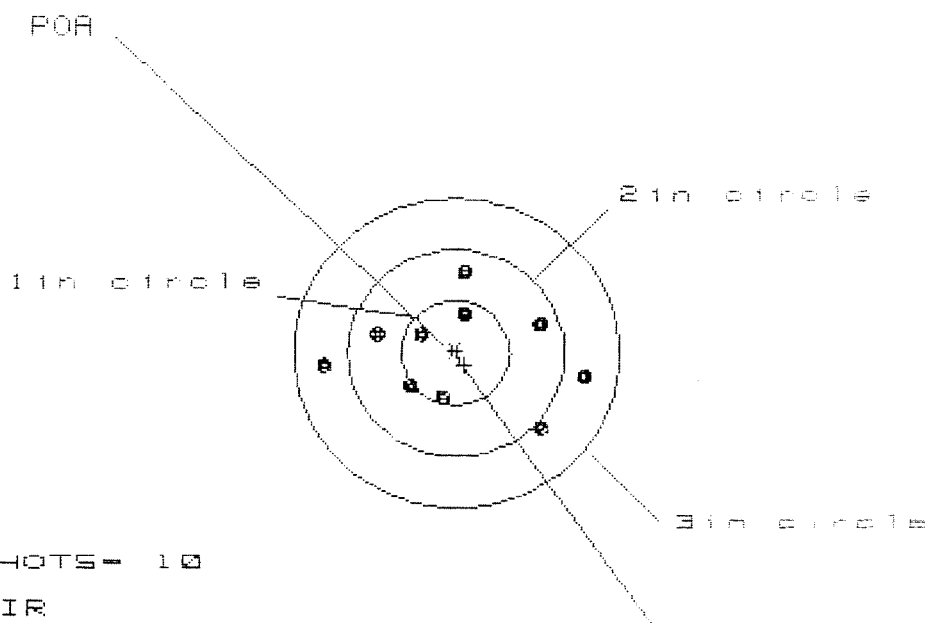
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.775	.657	.629
MINIMUM X	:	-1.061	-1.071	-1.099
MAXIMUM Y	:	1.434	1.273	1.178
MINIMUM Y	:	-1.455	-1.149	-1.990
CENTROID X	:	.150	.268	.296
CENTROID Y	:	.119	.290	.121
POA TO CENTROID in.	:	.192	.388	.320
MIN RADIUS	:	.455	.308	.321
MEAN RADIUS	:	1.072	.956	.906
MAX RADIUS	:	1.801	1.571	1.479
HORIZONTAL SPREAD	:	1.836	1.728	1.728
VERTICAL SPREAD	:	2.889	2.422	2.168
EXTREME SPREAD	:	3.212	2.772	2.772
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523498

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.373

VS= 1.528

GS= 2.373

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.187	.873	.741
MINIMUM X	:	-1.186	-1.054	-.721
MAXIMUM Y	:	.825	.804	.783
MINIMUM Y	:	-.703	-.724	-.745
CENTROID X	:	-.079	-.211	-.079
CENTROID Y	:	.121	.142	.163
POA TO CENTROID in.	:	.144	.254	.181
MIN RADIUS	:	.383	.295	.341
MEAN RADIUS	:	.757	.685	.644
MAX RADIUS	:	1.202	1.134	1.050
HORIZONTAL SPREAD	:	2.373	1.927	1.462
VERTICAL SPREAD	:	1.528	1.528	1.528
EXTREME SPREAD	:	2.373	2.005	1.688
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523498

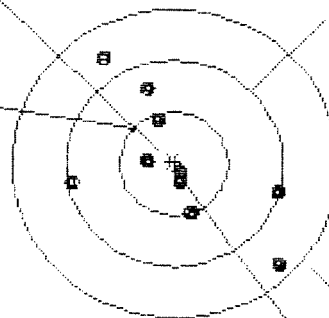
CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.858

VS= 1.985

GS= 2.522

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.954	1.059	.996
MINIMUM X	:	-.904	-.799	-.863
MAXIMUM Y	:	.992	.882	.697
MINIMUM Y	:	-.993	-.569	-.459
CENTROID X	:	-.055	-.160	-.097
CENTROID Y	:	.072	.182	.072
POA TO CENTROID in.	:	.090	.242	.120
MIN RADIUS	:	.100	.191	.122
MEAN RADIUS	:	.672	.592	.520
MAX RADIUS	:	1.371	1.126	1.033
HORIZONTAL SPREAD	:	1.858	1.858	1.858
VERTICAL SPREAD	:	1.985	1.451	1.156
EXTREME SPREAD	:	2.522	2.013	1.863
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	