

C6498742

MODEL 700™ M24

Model **SMS**™

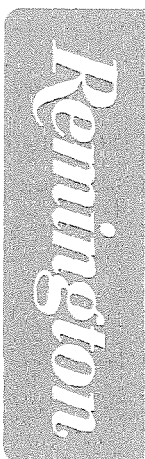
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Serial Number: C6498742

Model: M24 SWS



RE00102773

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498742.___0
FILE DATE AND TIME: 11/18/2005 22:46

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.067
The Average Y Centroid of the Five Target Set:	-0.032
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.645
The Distance from POA to Centroid Target #1:	0.037
The Distance from Centroid Target #2 to Centroid Target #1:	0.048
The Distance from Centroid Target #3 to Centroid Target #1:	0.096
The Distance from Centroid Target #4 to Centroid Target #1:	0.289
The Distance from Centroid Target #5 to Centroid Target #1:	0.106

SERIAL NUMBER: C6498742. __0

TARGET NUMBER: 1

FILE DATE: 11/18/2005

FILE TIME: 22:46

POINT#	X	Y
1:	-0.641	0.018
2:	-0.494	0.134
3:	-0.834	0.496
4:	-0.590	0.613
5:	0.734	0.194
6:	0.318	0.052
7:	0.262	-0.228
8:	0.253	-0.403
9:	0.181	-0.735
10:	1.093	-0.376

X CENTROID: 0.028

Y CENTROID: -0.024

POA TO CENTROID: 0.037

HORZ SPREAD: 1.927

VERT SPREAD: 1.348

GROUP SPREAD: 2.115

MIN RADIUS: 0.299

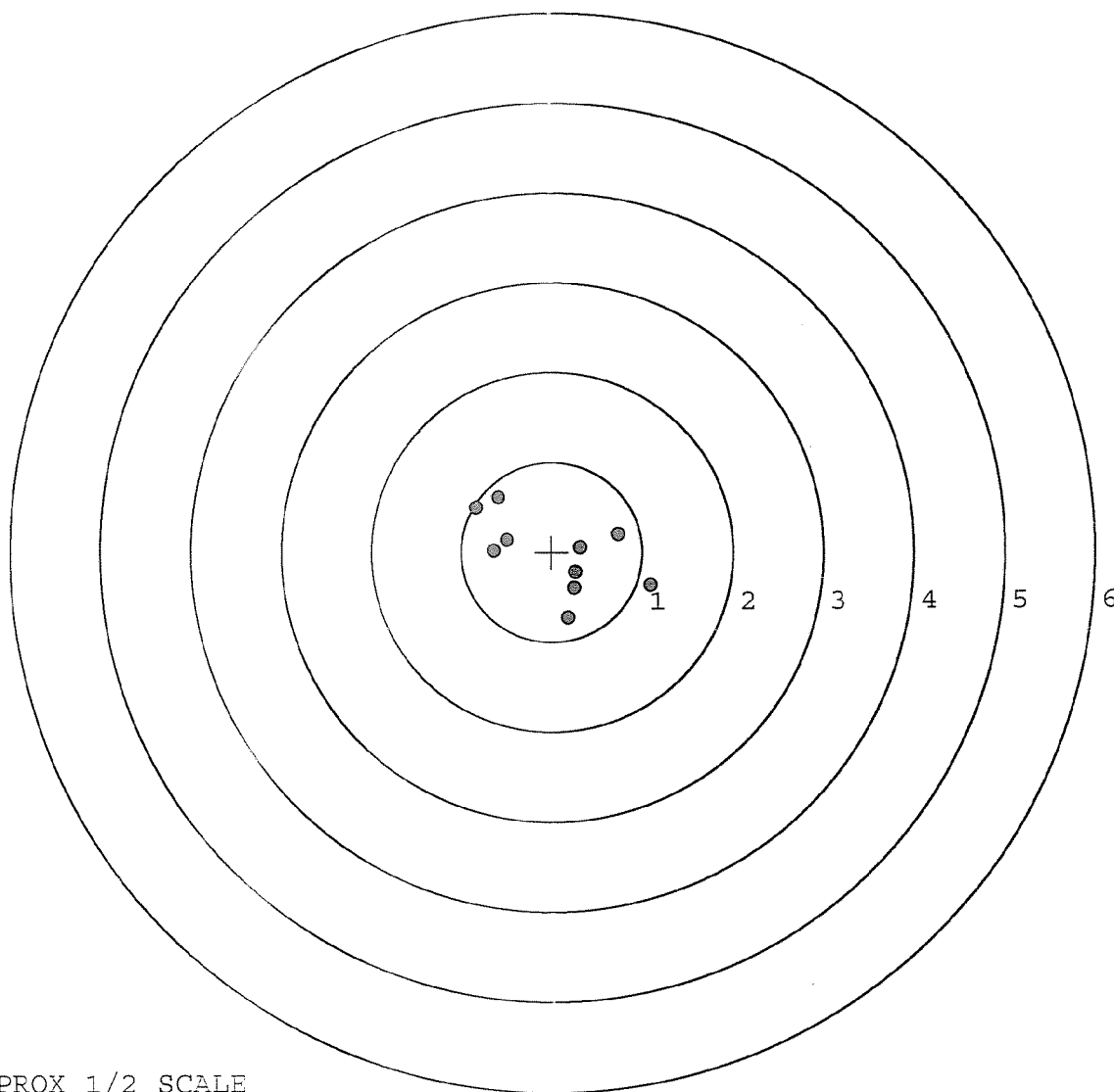
MAX RADIUS: 1.122

MEAN RADIUS: 0.675

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0

TARGET NUMBER: 2

FILE DATE: 11/18/2005

FILE TIME: 22:46

POINT#	X	Y
1:	-0.378	0.420
2:	-0.666	0.757
3:	0.417	-0.724
4:	0.065	-0.461
5:	-0.132	-0.181
6:	-0.199	0.077
7:	0.107	0.168
8:	0.386	0.212
9:	0.133	-0.122
10:	0.066	-0.354

X CENTROID: -0.020

Y CENTROID: -0.021

POA TO CENTROID: 0.029

HORZ SPREAD: 1.083

VERT SPREAD: 1.481

GROUP SPREAD: 1.835

MIN RADIUS: 0.184

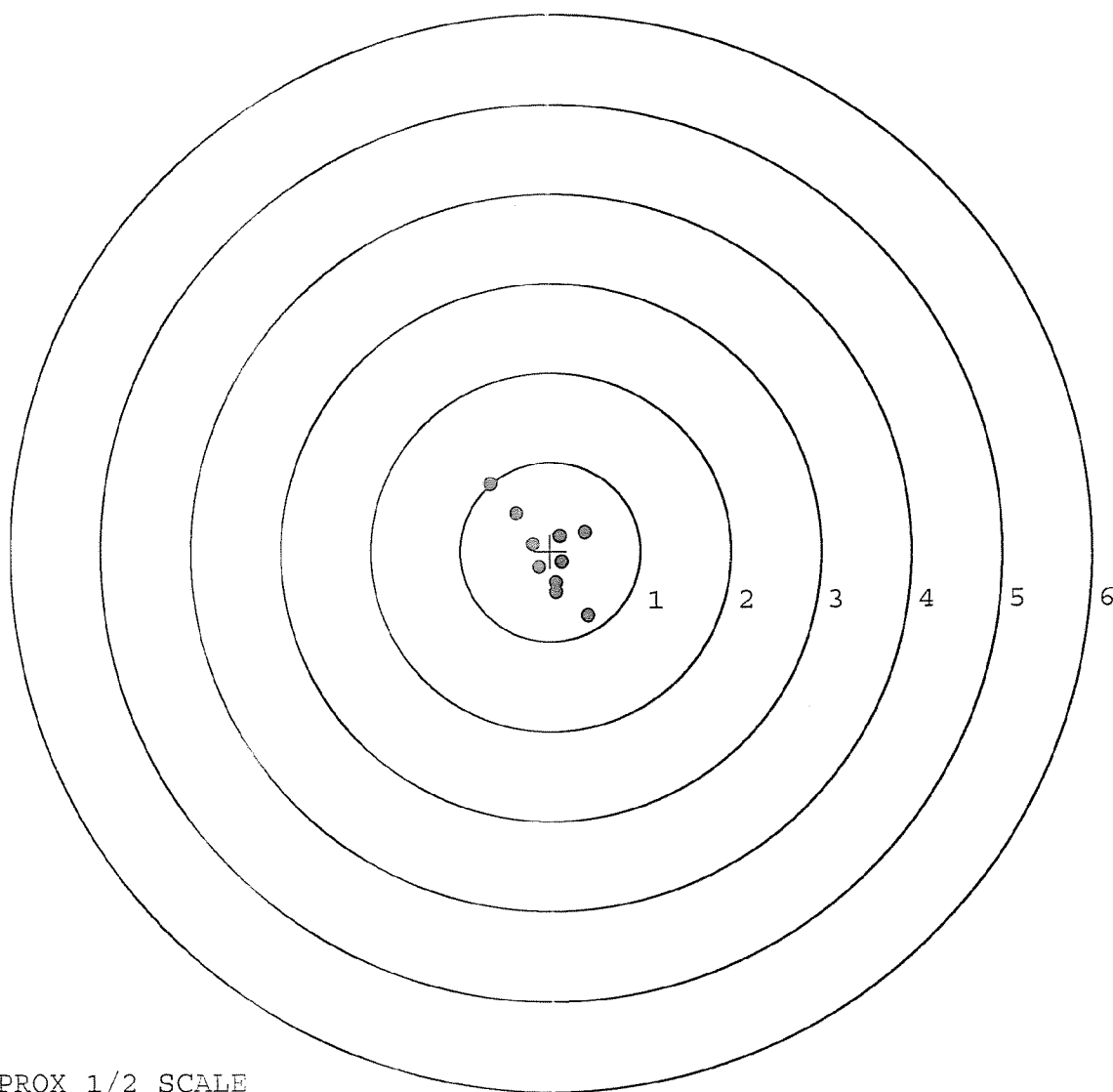
MAX RADIUS: 1.011

MEAN RADIUS: 0.448

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0

TARGET NUMBER: 3

FILE DATE: 11/18/2005

FILE TIME: 22:46

POINT#	X	Y
1:	-0.107	0.394
2:	0.079	0.703
3:	-0.003	1.170
4:	-0.737	0.242
5:	-0.092	-0.245
6:	0.064	-0.433
7:	0.325	0.114
8:	0.688	0.037
9:	0.788	-0.661
10:	0.104	-1.069

X CENTROID: 0.111

Y CENTROID: 0.025

POA TO CENTROID: 0.114

HORZ SPREAD: 1.525

VERT SPREAD: 2.239

GROUP SPREAD: 2.242

MIN RADIUS: 0.232

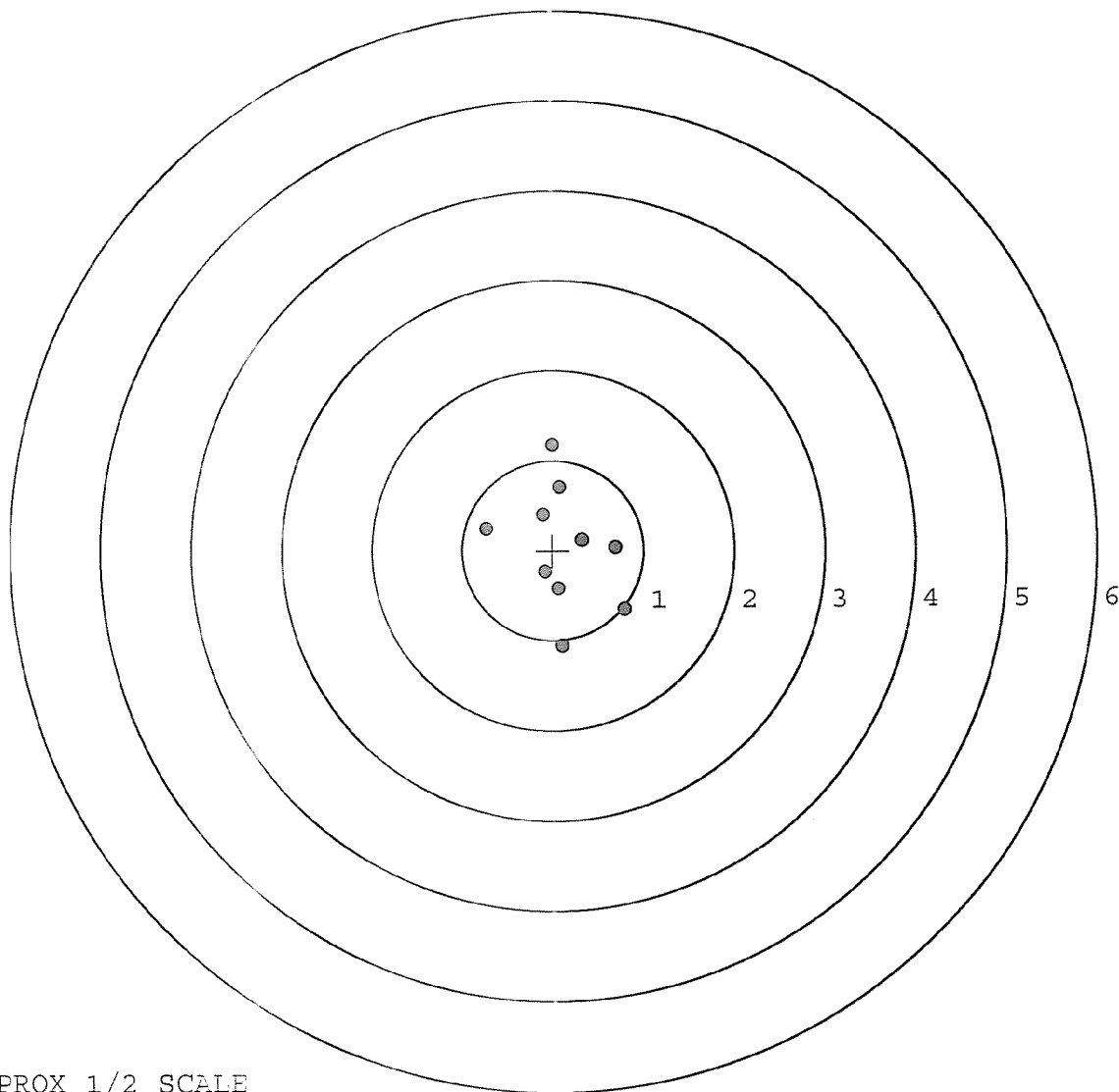
MAX RADIUS: 1.150

MEAN RADIUS: 0.680

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

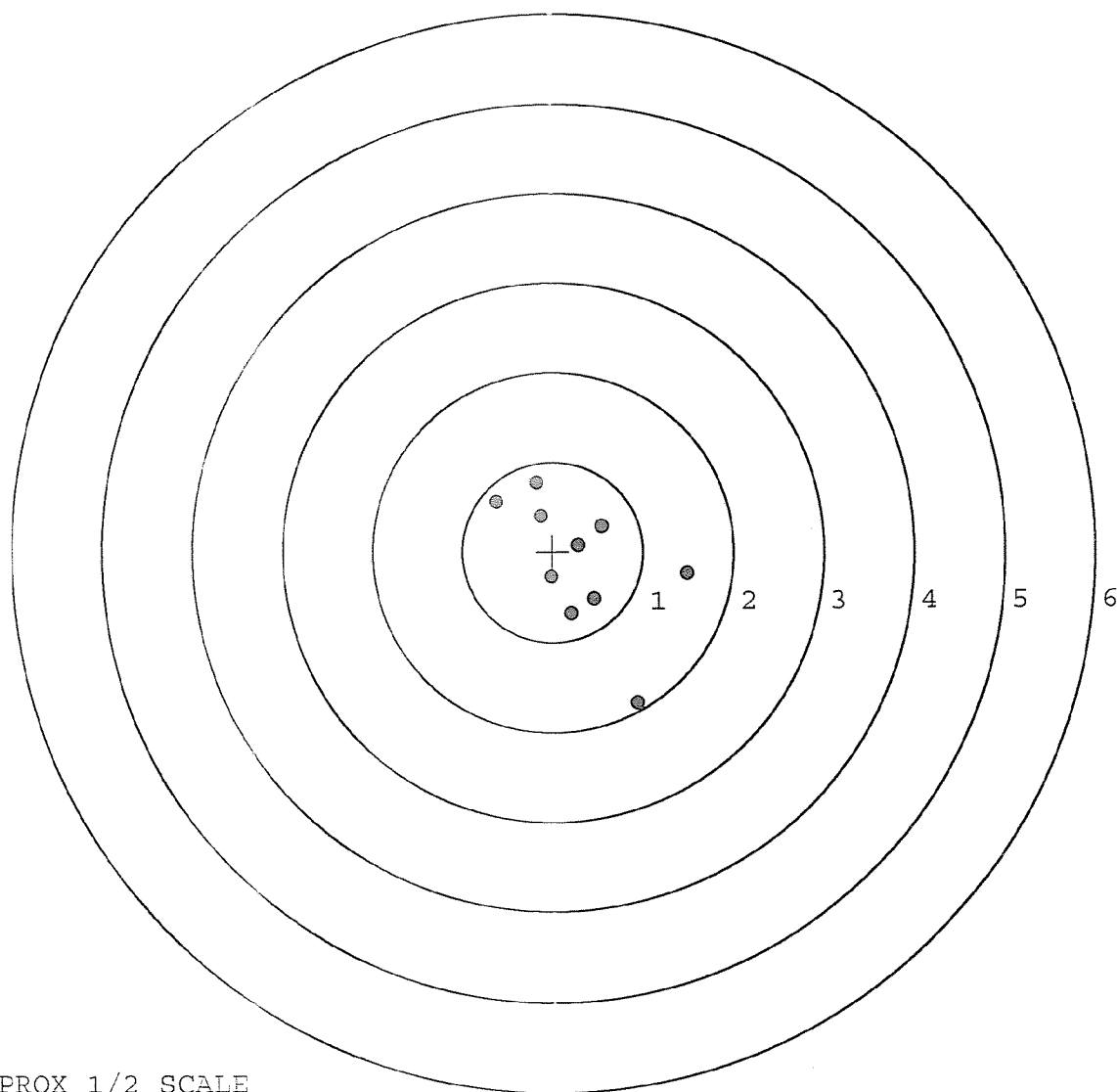


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
 TARGET NUMBER: 4
 FILE DATE: 11/18/2005
 FILE TIME: 22:46

POINT#	X	Y
1:	0.285	0.069
2:	0.542	0.281
3:	-0.128	0.398
4:	-0.178	0.767
5:	-0.623	0.559
6:	1.480	-0.251
7:	0.457	-0.530
8:	0.202	-0.687
9:	-0.019	-0.281
10:	0.927	-1.677

X CENTROID: 0.295
 Y CENTROID: -0.135
 POA TO CENTROID: 0.324
 HORZ SPREAD: 2.103
 VERT SPREAD: 2.444
 GROUP SPREAD: 2.721
 MIN RADIUS: 0.204
 MAX RADIUS: 1.666
 MEAN RADIUS: 0.773
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

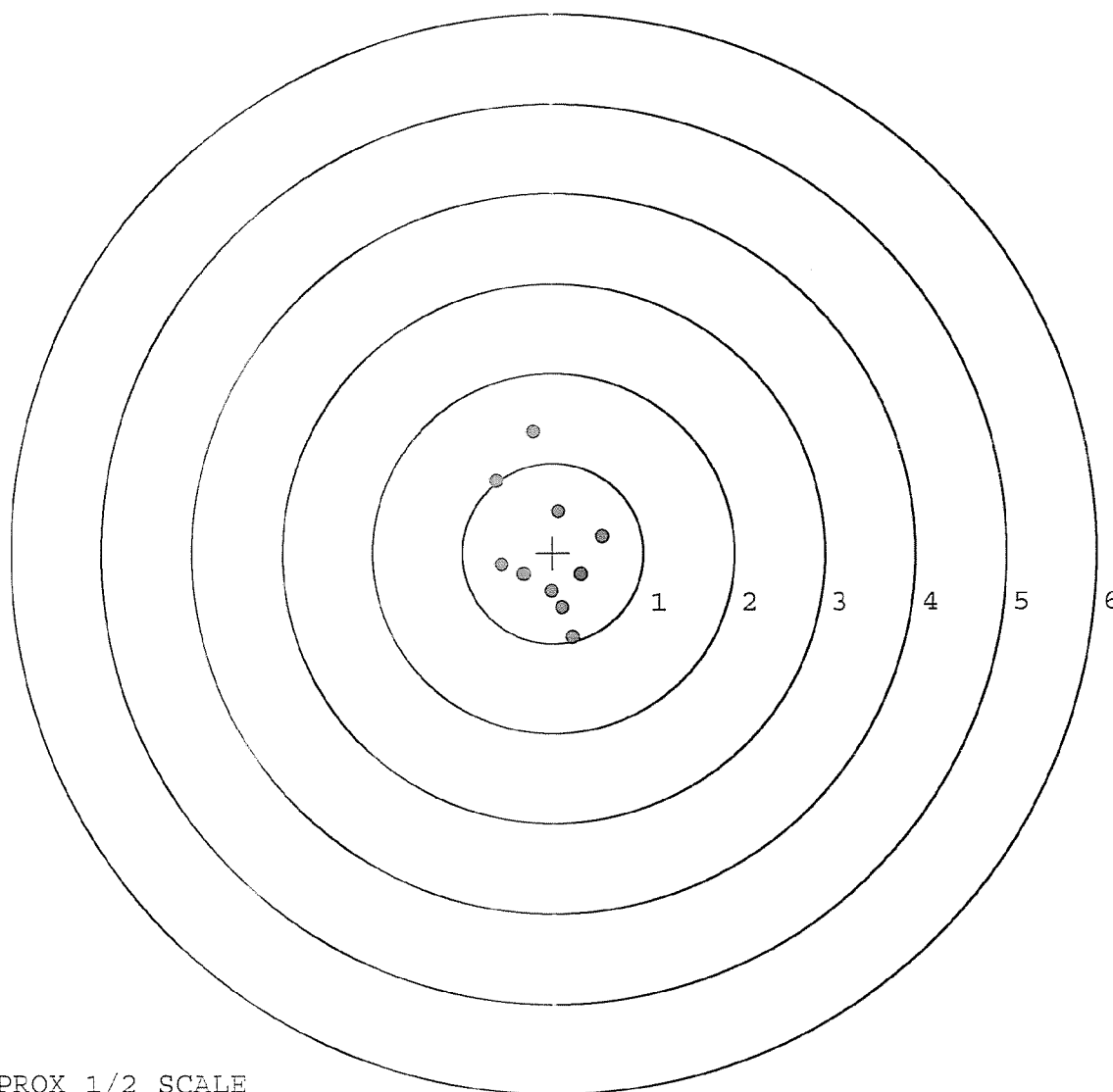


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
 TARGET NUMBER: 5
 FILE DATE: 11/18/2005
 FILE TIME: 22:46

POINT#	X	Y
1:	0.064	0.465
2:	-0.626	0.802
3:	-0.219	1.350
4:	0.544	0.181
5:	0.307	-0.246
6:	0.106	-0.607
7:	-0.015	-0.432
8:	-0.315	-0.244
9:	-0.330	-0.241
10:	-0.572	-0.136
11:	0.216	-0.940

X CENTROID: -0.076
 Y CENTROID: -0.004
 POA TO CENTROID: 0.076
 HORZ SPREAD: 1.170
 VERT SPREAD: 2.290
 GROUP SPREAD: 2.331
 MIN RADIUS: 0.338
 MAX RADIUS: 1.362
 MEAN RADIUS: 0.652
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 11



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102773		CAMP SHELBY	
SERIAL NUMBER	06498742			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-7-05	AC
560	ASSEMBLE		11-14-05	CD
600	PROOF	MAGNA-FLUX	11-14-05	CD
605	CHECK HEADSPACE	INSPECTED	11-14-05	CD
610	DIS-ASSEMBLE GUN	NOV 15 2005	11-14-05	CD
612	MAGNAFLUX	OPERATOR <u>unus</u>	11/15/05	unus
510	DRILL AND TAP		11-11-05	BR
615	ROLLMARK CALIBER		11-15-05	CW
618	ROTO-BLAST		11-16-05	LB
620	APPLY COATINGS		11/16/05	HP
625	FINAL ASSEMBLY		11-17-05	Bh
640	FUNCTION TEST AND	PASS FAIL	11-18-05	mjm
650	TARGET	PASS FAIL	11-18-05	mjm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-21-05	AC
	A) HEADSPACE	PASS FAIL	11-21-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4 lbs 4 lbs 4 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	2 lbs 2 lbs 2 lbs	AC
	I) FIRING PIN INDENT	.020	.024 .024 .024	AC
690	PACK		12-2-05	RA

MOD. 2005WS GA. 308 GUN # C6495742

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Please check spent cases, they are showing signs of Bulging and are hard to extract.	BR RW
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Polish Ham Chamber OK	9
TEST		12
TGT		96
PROOF	RW	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498742

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		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	BS.
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WS
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		8/29/90	RW
	D) Oil Firing Pin Ass'y		8/29/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/31/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/5/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/5/90	WB
	H) Trigger Pull Test & Retainability						8/31/90	JF
	I) Firing Pin Indent	.0225	.0235	.023			9/5/90	WB
	J) Assemble Stock						9/9/90	RW
	K) Assemble Swivel Studs						9/16/90	JDS
	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	JDS
	P) Detach & Attach Scope 20 Times						9/9/90	JDS
640	Gallery Target & Test						9/9/90	AC
	A) Time						9/9/90	AC
	B) Malfunctions						9/9/90	AC
	C) Pierced Primers						9/9/90	AC
	D) Optical Clarity of Scope						9/9/90	AC
645	Inspect for Live Ammo						9/9/90	AC
655	Final Inspection							
	A) Headspace						9/16/90	JDS
	B) Trigger Pull	2.21	2.30	2.30	2.24	2.26	9-16-90	JF
	C) Function						9/16/90	JDS
660	Pack						9/19/90	AF

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

SERIAL NO. C 6498742DATE 8/31/90TESTER JF.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.24	2.35	2.21	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.04	2.36	2.30	
PULL #3	2.34	2.33	2.30	2.30	
PULL #4	2.30	2.24	2.24	2.24	
PULL #5	2.30	2.33	2.22	2.26	
TOTAL	11.88	11.18	11.47	11.31	
AVG.	2.376	2.236	2.294	2.262	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.38		
PULL #2	3.42	3.45		
PULL #3	3.51	3.48		
PULL #4	3.46	3.48		
PULL #5	3.43	3.48		
TOTAL	17.17	17.27		
AVG.	3.434	3.454		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.17		4.12
PULL #2	4.30	4.20		4.11
PULL #3	4.18	4.15		4.18
PULL #4	4.27	4.21		4.11
PULL #5	4.22	4.21		4.18
TOTAL	21.12	20.94		20.70
AVG.	4.224	4.188		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498742
15 Sep 1990

CENTROIDAL DISTANCES

0	TO	1	.277881
1	TO	2	.696704
1	TO	3	.404031
1	TO	4	.274964
1	TO	5	.456084

5₄₁
2₃₇ <----FOR

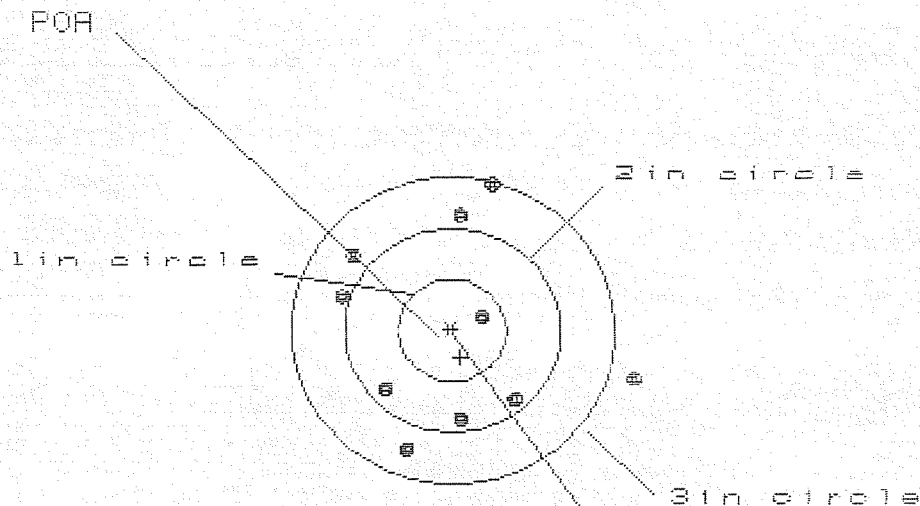
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3254
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .342478

THE AMR FOR THIS RIFLE IS: .9836

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498742

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.662

VS= 2.628

GS= 2.847

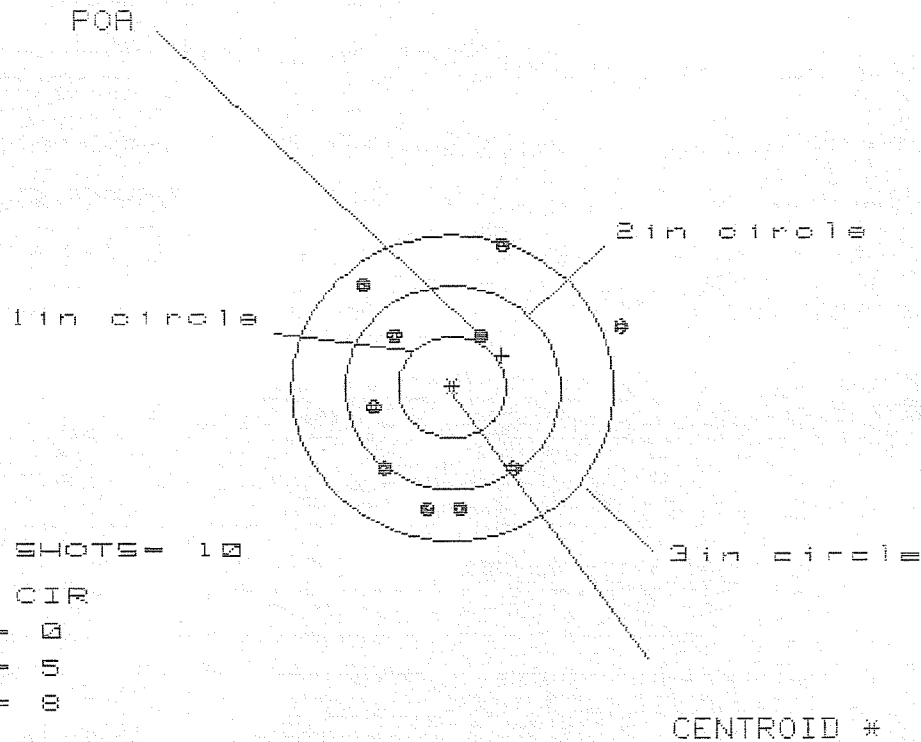
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.655	.768	.838
MINIMUM X	:	-1.007	-.823	-.753
MAXIMUM Y	:	1.464	1.409	1.220
MINIMUM Y	:	-1.165	-1.219	-1.042
CENTROID X	:	-.077	-.261	-.331
CENTROID Y	:	.267	.321	.145
POA TO CENTROID in.	:	.277	.413	.361
MIN RADIUS	:	.270	.430	.551
MEAN RADIUS	:	1.066	.987	.900
MAX RADIUS	:	1.725	1.517	1.255
HORIZONTAL SPREAD	:	2.662	1.591	1.591
VERTICAL SPREAD	:	2.628	2.628	2.262
EXTREME SPREAD	:	2.847	2.756	2.316
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B742

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.378

VS= 2.624

GS= 2.729

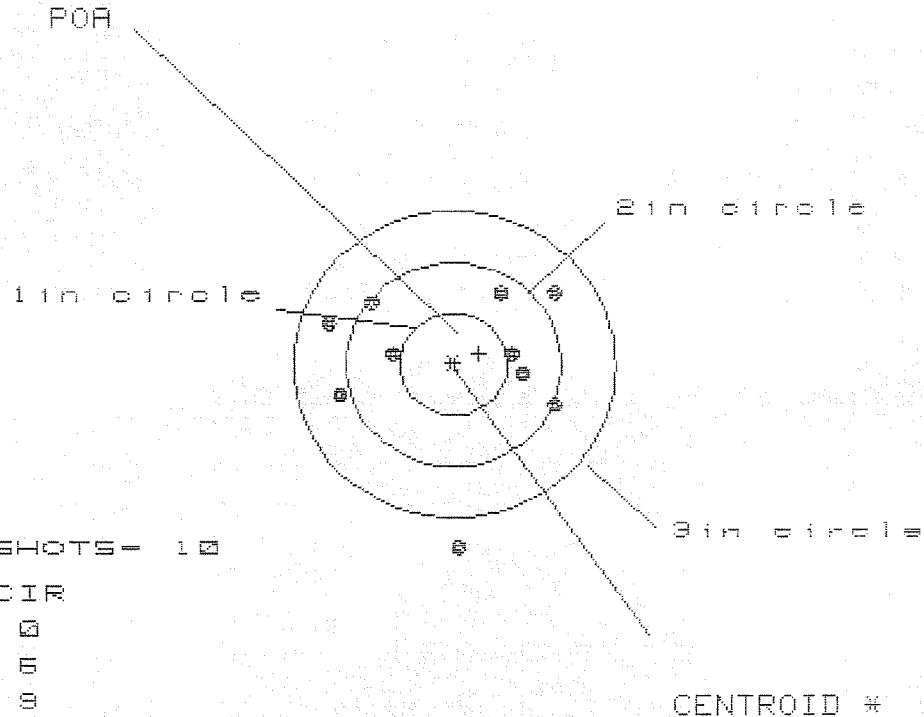
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.568	.698	.781
MINIMUM X	:	-.810	-.636	-.553
MAXIMUM Y	:	1.431	1.501	1.234
MINIMUM Y	:	-1.193	-1.123	-.936
CENTROID X	:	-.463	-.637	-.720
CENTROID Y	:	-.313	-.383	-.570
POA TO CENTROID in.	:	.559	.743	.918
MIN RADIUS	:	.563	.528	.440
MEAN RADIUS	:	1.075	.979	.868
MAX RADIUS	:	1.690	1.640	1.353
HORIZONTAL SPREAD	:	2.378	1.334	1.334
VERTICAL SPREAD	:	2.624	2.624	2.170
EXTREME SPREAD	:	2.729	2.729	2.286
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498742

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.058

VS= 2.514

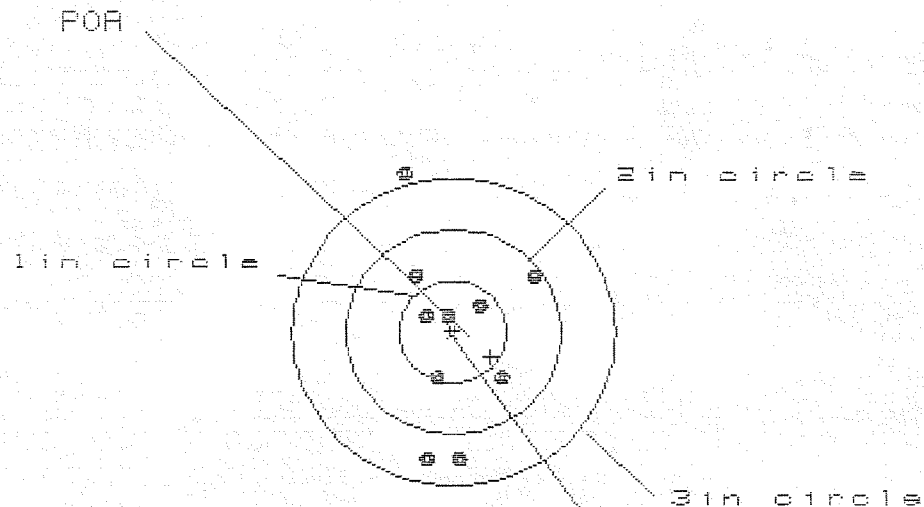
GS= 2.637

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.930	.929	.788
MINIMUM X	-1.128	-1.129	-1.222
MAXIMUM Y	.716	.516	.537
MINIMUM Y	-1.798	-.553	-.532
CENTROID X	-.237	-.236	-.095
CENTROID Y	-.104	.096	.075
POA TO CENTROID in.	.259	.255	.121
MIN RADIUS	.540	.531	.389
MEAN RADIUS	.982	.869	.810
MAX RADIUS	1.798	1.185	1.307
HORIZONTAL SPREAD	2.058	2.058	2.010
VERTICAL SPREAD	2.514	1.069	1.069
EXTREME SPREAD	2.637	2.224	2.224
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	9	9	9

15 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CB49B742

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.210

VS= 2.808

GS= 2.847

CENTROID *

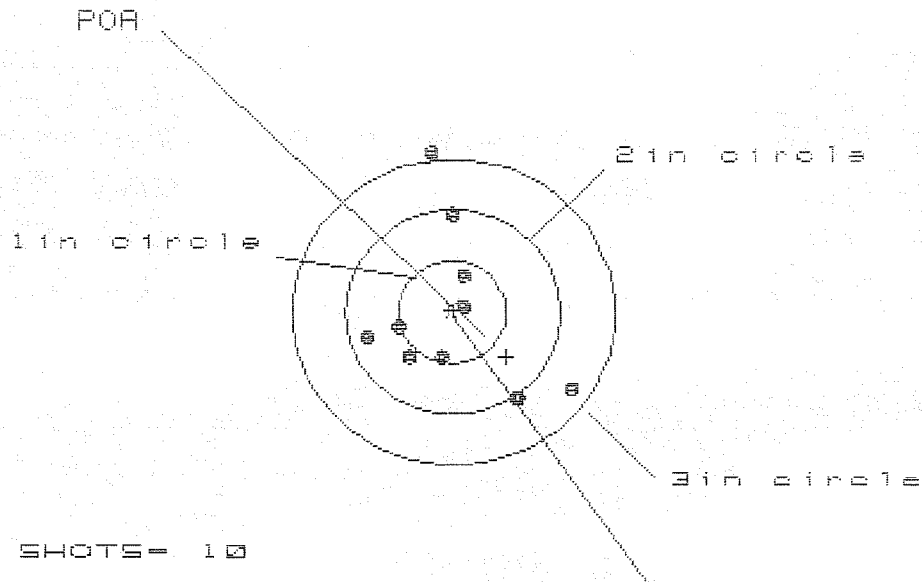
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.733	.680	.637
MINIMUM X	-.477	-.364	-.407
MAXIMUM Y	1.599	.767	.638
MINIMUM Y	-1.209	-1.031	-1.152
CENTROID X	-.351	-.298	-.255
CENTROID Y	.244	.066	.195
POA TO CENTROID in.	.427	.305	.321
MIN RADIUS	.200	.367	.288
MEAN RADIUS	.770	.681	.606
MAX RADIUS	1.669	1.087	1.154
HORIZONTAL SPREAD	1.210	1.044	1.044
VERTICAL SPREAD	2.808	1.798	1.790
EXTREME SPREAD	2.847	2.068	1.920
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498742

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.860

VS= 2.404

GS= 2.599

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.046	.732
MINIMUM X	:	-.788	-.814	-.683
MAXIMUM Y	:	1.537	1.107	1.039
MINIMUM Y	:	-.867	-.696	-.784
CENTROID X	:	-.499	-.473	-.604
CENTROID Y	:	.440	.269	.337
POA TO CENTROID in.	:	.665	.544	.691
MIN RADIUS	:	.116	.239	.261
MEAN RADIUS	:	.775	.679	.597
MAX RADIUS	:	1.554	1.178	1.058
HORIZONTAL SPREAD	:	1.860	1.860	1.415
VERTICAL SPREAD	:	2.404	1.803	1.803
EXTREME SPREAD	:	2.599	1.943	1.895
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

Remington®

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

DUPONT

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

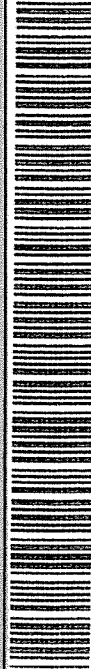
MODEL 700™ H24

SERIAL NO. C6498742

ORDER NO. 5716

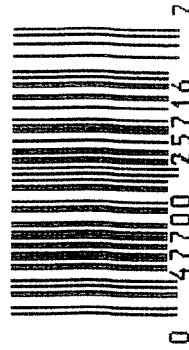
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6498742

UPC



0 47700 25716 7