

C6611546

MODEL 700™ M24

Model **SMS**™

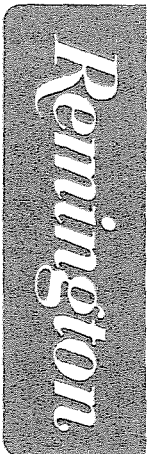
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6611546

Model: 700



RE00076498

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611546.___0
FILE DATE AND TIME: 02/18/2004 08:03

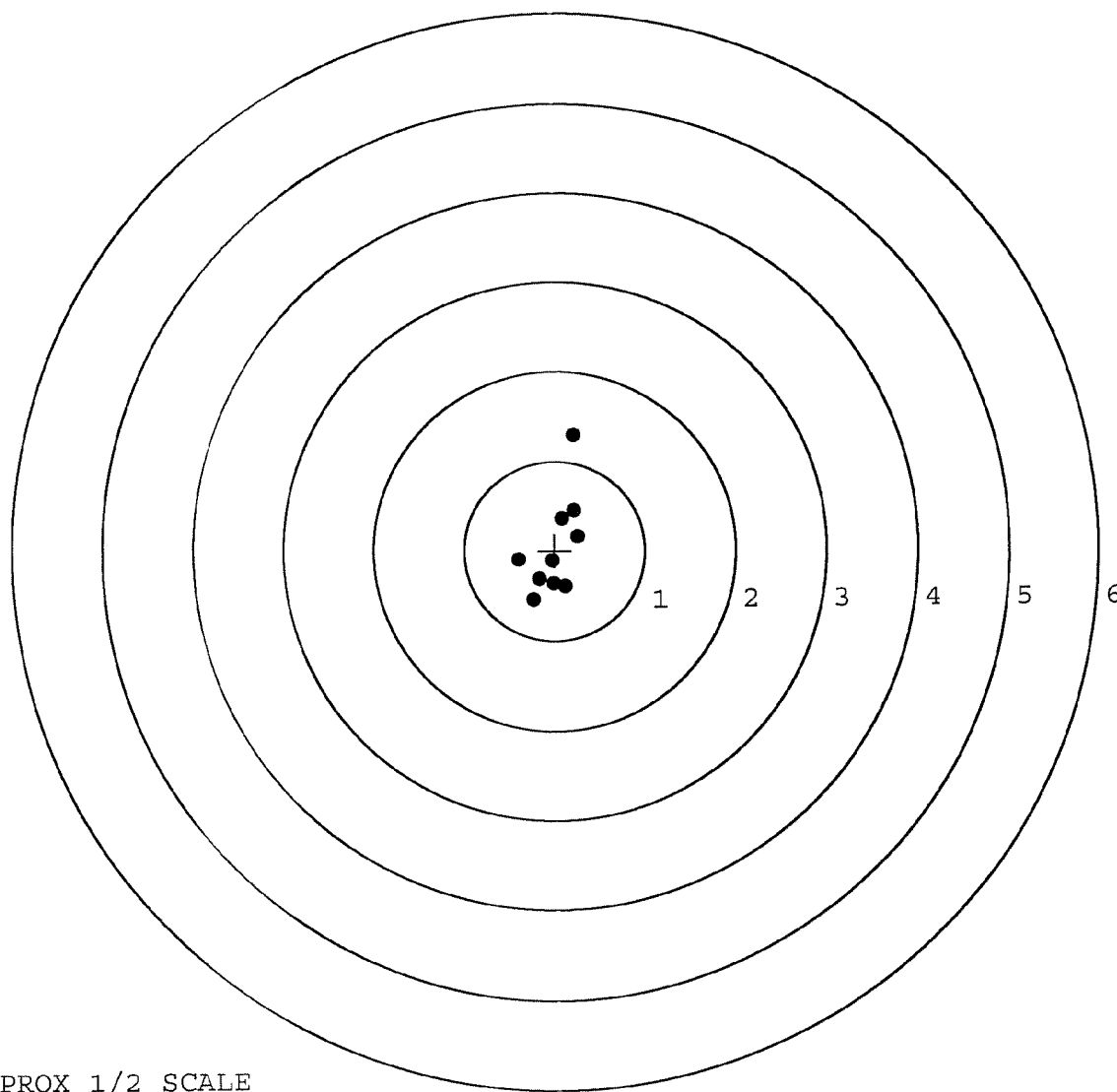
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	-0.069
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.585
The Distance from POA to Centroid Target #1:	0.040
The Distance from Centroid Target #2 to Centroid Target #1:	0.099
The Distance from Centroid Target #3 to Centroid Target #1:	0.141
The Distance from Centroid Target #4 to Centroid Target #1:	0.164
The Distance from Centroid Target #5 to Centroid Target #1:	0.163

SERIAL NUMBER: C6611546. 0
TARGET NUMBER: 1
FILE DATE: 02/18/2004
FILE TIME: 08:03

X CENTROID: 0.003
Y CENTROID: 0.040
POA TO CENTROID: 0.040
HORZ SPREAD: 0.661
VERT SPREAD: 1.838
GROUP SPREAD: 1.894
MIN RADIUS: 0.160
MAX RADIUS: 1.268
MEAN RADIUS: 0.483
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.259	0.159
2:	0.085	0.358
3:	0.217	0.447
4:	0.217	1.289
5:	-0.402	-0.105
6:	-0.028	-0.117
7:	0.115	-0.402
8:	-0.242	-0.549
9:	-0.179	-0.315
10:	-0.016	-0.369

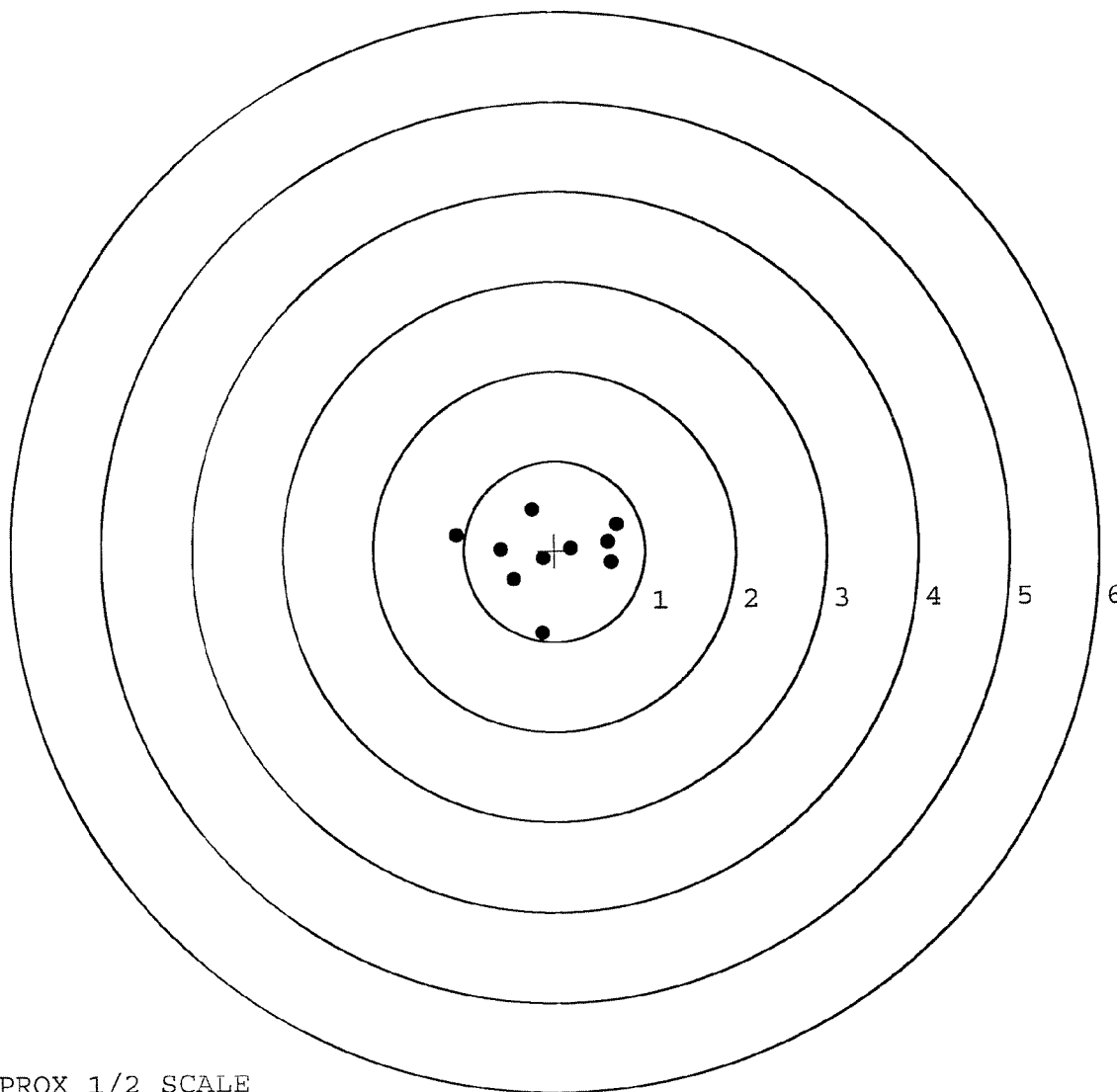


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611546. 0
TARGET NUMBER: 2
FILE DATE: 02/18/2004
FILE TIME: 08:03

X CENTROID: -0.059
Y CENTROID: -0.038
POA TO CENTROID: 0.070
HORZ SPREAD: 1.765
VERT SPREAD: 1.372
GROUP SPREAD: 1.769
MIN RADIUS: 0.084
MAX RADIUS: 1.048
MEAN RADIUS: 0.598
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.680	0.290
2:	0.593	0.095
3:	0.621	-0.135
4:	-0.144	-0.907
5:	-0.251	0.465
6:	-1.085	0.177
7:	-0.457	-0.318
8:	-0.599	0.018
9:	-0.127	-0.088
10:	0.174	0.025



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611546. __0

TARGET NUMBER: 3

FILE DATE: 02/18/2004

FILE TIME: 08:03

POINT#	X	Y
1:	0.942	-0.479
2:	0.346	-0.309
3:	0.537	0.448
4:	0.849	0.663
5:	-0.424	-0.887
6:	-0.231	-0.579
7:	-0.607	-0.398
8:	-0.188	-0.138
9:	-0.363	0.345
10:	-0.744	0.326

X CENTROID: 0.012

Y CENTROID: -0.101

POA TO CENTROID: 0.101

HORZ SPREAD: 1.686

VERT SPREAD: 1.550

GROUP SPREAD: 2.006

MIN RADIUS: 0.203

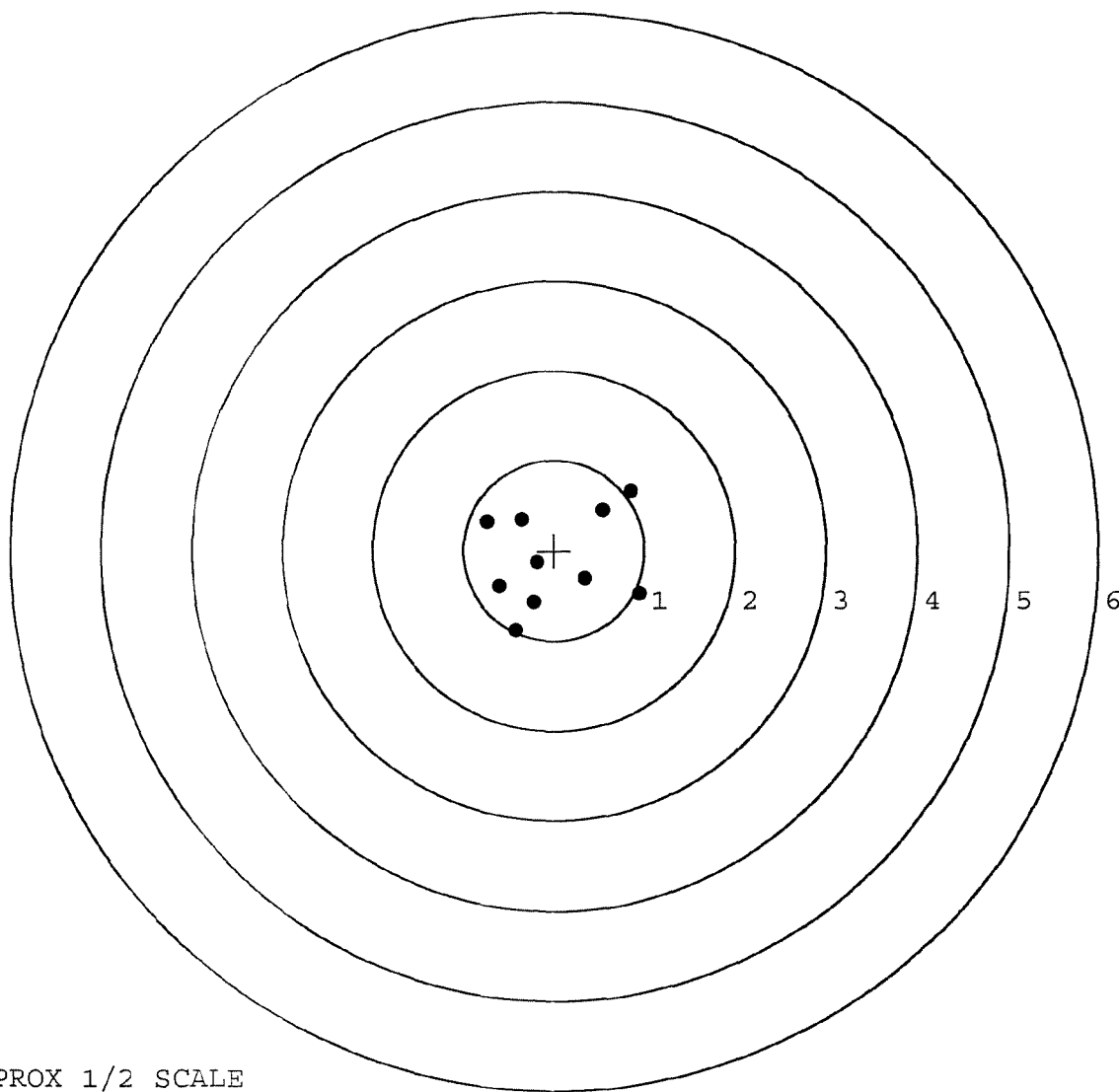
MAX RADIUS: 1.133

MEAN RADIUS: 0.707

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611546. __0

TARGET NUMBER: 4

FILE DATE: 02/18/2004

FILE TIME: 08:03

POINT#	X	Y
1:	0.652	-0.511
2:	0.059	-0.780
3:	0.510	0.227
4:	0.325	-0.032
5:	0.068	0.144
6:	-0.089	0.497
7:	-0.459	0.222
8:	-0.491	-0.091
9:	-0.421	-0.313
10:	-0.383	-0.590

X CENTROID: -0.023

Y CENTROID: -0.123

POA TO CENTROID: 0.125

HORZ SPREAD: 1.143

VERT SPREAD: 1.277

GROUP SPREAD: 1.331

MIN RADIUS: 0.282

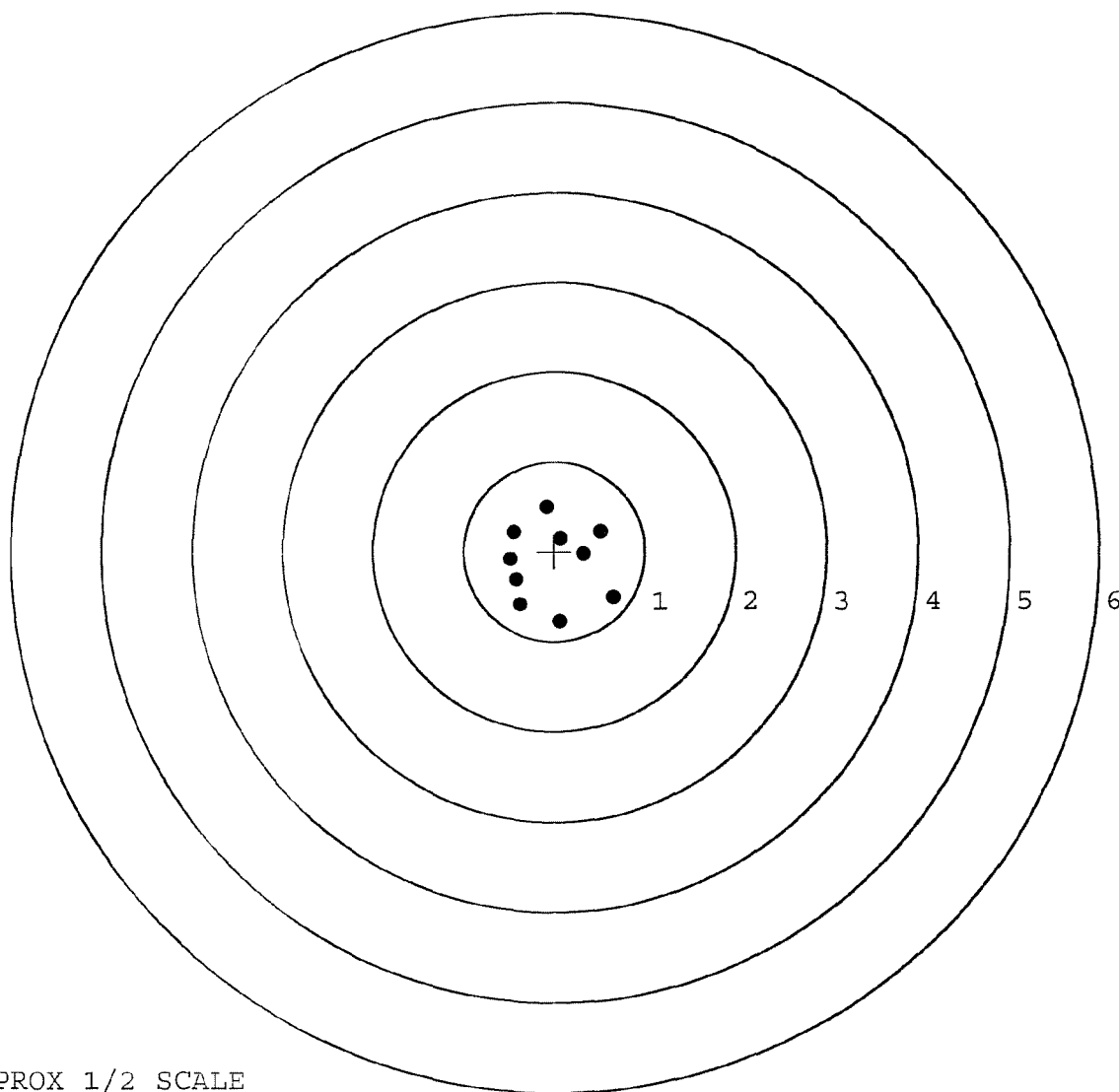
MAX RADIUS: 0.779

MEAN RADIUS: 0.540

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

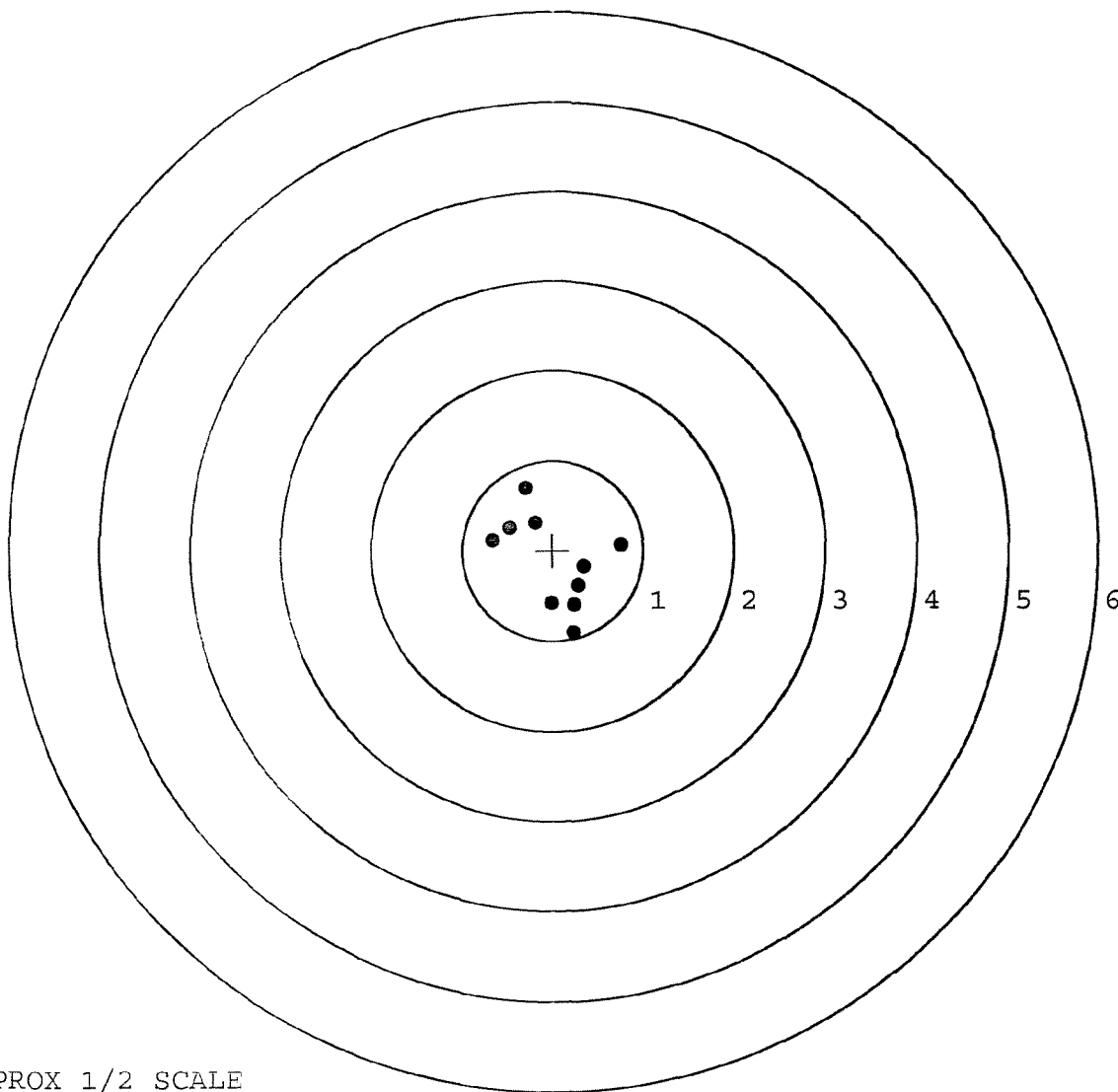
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611546. 0
TARGET NUMBER: 5
FILE DATE: 02/18/2004
FILE TIME: 08:03

	POINT#	X	Y
X CENTROID:	1:	0.757	0.067
Y CENTROID:	2:	-0.308	0.696
POA TO CENTROID:	3:	-0.202	0.309
HORZ SPREAD:	4:	-0.485	0.254
VERT SPREAD:	5:	-0.664	0.115
GROUP SPREAD:	6:	0.342	-0.174
MIN RADIUS:	7:	0.281	-0.387
MAX RADIUS:	8:	-0.014	-0.591
MEAN RADIUS:	9:	0.230	-0.916
# IN 1 IN DIAMETER:	10:	0.234	-0.602
# IN 2 IN DIAMETER:			
# IN 3 IN DIAMETER:			



TARGET APPROX 1/2 SCALE

22

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

MODEL 700™ H24

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

SERIAL NO.
 C6611546

ORDER NO.
 5716

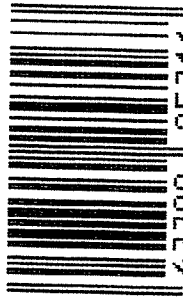
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6611546

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611546

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	JS.
617	Drill and Tap Sight Holes	APR 3 1991	APR 3 1991	FB
618	Polish Barrel	APR 3 1991	APR 3 1991	WB
620	Apply Coatings (Barrel Action)		4/19/91	JS
	Apply Coating (Bolt)			JS
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/91	KS
	C) Inspect Ejector Hole for Chamfer		4/24/91	KS
	D) Oil Firing Pin Ass'y		4/24/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/25/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/29/91	JL
	G) Safety Off Force	4	4	4			4/29/91	JL
	H) Trigger Pull Test & Retainability						4/25/91	JL
	I) Firing Pin Indent	.023	.0235	.0235			4/29/91	JL
	J) Assemble Stock						4/29/91	KS
	K) Assemble Swivel Studs						5-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/29/91	KS
	M) Iron Sight Alignment						4/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/29/91	KS
	O) Attach Scope to Rifle						4/29/91	KS
	P) Detach & Attach Scope 20 Times						4/29/91	KS
640	Gallery Target & Test						4-30-91	AC
	A) Time						4-30-91	AC
	B) Malfunctions						4-30-91	AC
	C) Pierced Primers						4-30-91	AC
	D) Optical Clarity of Scope						4-30-91	AC
645	Inspect for Live Ammo						4-30-91	AC
655	Final Inspection							
	A) Headspace						5-1-91	D/H
	B) Trigger Pull	2.69	2.37	2.37	2.46	2.49	5/10/91	JL
	C) Function						5-1-91	D/H
660	Pack						6-18-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6611546

DATE 4/25/91

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.21	2.30	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.32	2.37	2.37	
PULL #3	2.22	2.29	2.28	2.37	
PULL #4	2.29	2.27	2.28	2.46	
PULL #5	2.14	2.16	2.20	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.44		
PULL #2	3.49	3.52		
PULL #3	3.35	3.55		
PULL #4	3.48	3.54		
PULL #5	3.50	3.56		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.29		4.58
PULL #2	4.29	4.47		4.43
PULL #3	4.21	4.41		4.43
PULL #4	4.35	4.15		4.21
PULL #5	4.46	4.40		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611546
30 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.0953362
1 TO	2	.490163
1 TO	3	.146758
1 TO	4	.224404
1 TO	5	.285112

$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1166
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0576
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130051

THE AMR FOR THIS RIFLE IS: 1.009

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11546

CENTERFIRE PATTERNS # 1

FOR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.284

VS = 2.646

GS = 2.653

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.804	.640	.634
MINIMUM X	-1.480	-.540	-.546
MAXIMUM Y	1.198	1.219	1.040
MINIMUM Y	-1.448	-1.427	-1.201
CENTROID X	-.025	.139	.145
CENTROID Y	.092	.072	.250
POA TO CENTROID in.	.096	.157	.289
MIN RADIUS	.076	.229	.307
MEAN RADIUS	.942	.882	.802
MAX RADIUS	1.491	1.428	1.209
HORIZONTAL SPREAD	2.284	1.180	1.180
VERTICAL SPREAD	2.646	2.646	2.242
EXTREME SPREAD	2.653	2.653	2.274
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 10		

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811546

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.025

VS= 2.576

GS= 2.955

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.057	1.014	1.129
MINIMUM X	:	-.968	-1.011	-.884
MAXIMUM Y	:	1.572	.806	.702
MINIMUM Y	:	-1.004	-.829	-.739
CENTROID X	:	.393	.436	.309
CENTROID Y	:	-.164	-.339	-.235
POA TO CENTROID in.	:	.425	.552	.388
MIN RADIUS	:	.271	.387	.223
MEAN RADIUS	:	.988	.918	.840
MAX RADIUS	:	1.619	1.310	1.188
HORIZONTAL SPREAD	:	2.025	2.025	2.013
VERTICAL SPREAD	:	2.576	1.635	1.441
EXTREME SPREAD	:	2.955	2.352	2.111
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611546

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 2.678

VS= 1.867

GS= 3.250

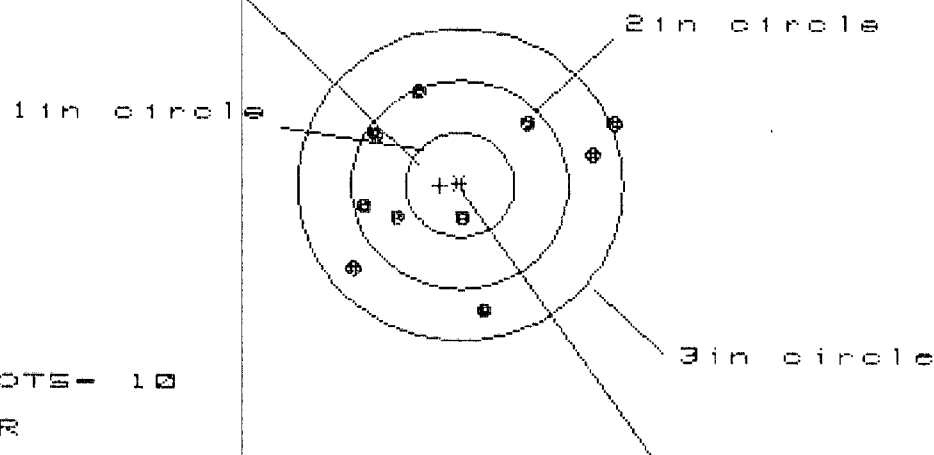
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.404	1.559	1.419
MINIMUM X	:	-1.274	-1.119	-.962
MAXIMUM Y	:	.923	.820	.923
MINIMUM Y	:	-.944	-1.047	-.944
CENTROID X	:	-.058	-.213	-.073
CENTROID Y	:	-.051	.052	-.051
POA TO CENTROID in.	:	.077	.219	.089
MIN RADIUS	:	.609	.572	.625
MEAN RADIUS	:	1.044	.958	.897
MAX RADIUS	:	1.677	1.565	1.438
HORIZONTAL SPREAD	:	2.678	2.678	2.381
VERTICAL SPREAD	:	1.867	1.867	1.867
EXTREME SPREAD	:	3.250	2.766	2.382
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611546

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.371

VS= 2.144

GS= 2.759

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.420	1.379	1.430
MINIMUM X	-.951	-.793	-.742
MAXIMUM Y	.898	.967	.820
MINIMUM Y	-1.247	-1.177	-.860
CENTROID X	.181	.023	-.028
CENTROID Y	.003	-.066	.081
POA TO CENTROID in.	.181	.070	.086
MIN RADIUS	.349	.321	.475
MEAN RADIUS	.999	.904	.857
MAX RADIUS	1.553	1.431	1.450
HORIZONTAL SPREAD	2.371	2.172	2.172
VERTICAL SPREAD	2.144	2.144	1.680
EXTREME SPREAD	2.759	2.433	2.433
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811546

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

IS = 2.444

VS = 2.405

GS = 2.918

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.331	1.416	1.316
MINIMUM X	-1.113	-1.028	-1.128
MAXIMUM Y	1.251	.861	.734
MINIMUM Y	-1.154	-1.015	-1.094
CENTROID X	.092	.007	.107
CENTROID Y	-.168	-.307	-.180
POA TO CENTROID in.	.192	.307	.210
MIN RADIUS	.648	.528	.630
MEAN RADIUS	1.074	1.020	.977
MAX RADIUS	1.467	1.417	1.319
HORIZONTAL SPREAD	2.444	2.444	2.444
VERTICAL SPREAD	2.405	1.876	1.828
EXTREME SPREAD	2.918	2.555	2.555
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 10		