

C6594555

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

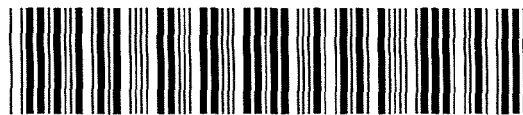
Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Model: 700



RE0003857 1

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 38571			
SERIAL NUMBER C6594555			
LOG-IN DATE 1-2-02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	RJR
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE	1-4-02	RJR
600	PROOF	1-4-02	AC
605	CHECK HEADSPACE	1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR AC	
615	ROLLMARK CALIBER	1-7-02	LB
618	ROTO-BLAST	1/7	KO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	RW
B	TRIGGER PULL TEST	1/10	
C	SAFETY "ON" FORCE	1/10	
D	SAFETY "OFF" FORCE	1/10	
E	FIRING PIN INDENT	1/10	
640	TARGET	1-9-02	AC
655	FINAL INSPECT	1-10-02	RJR
660	PACK	1-10-02	RA
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

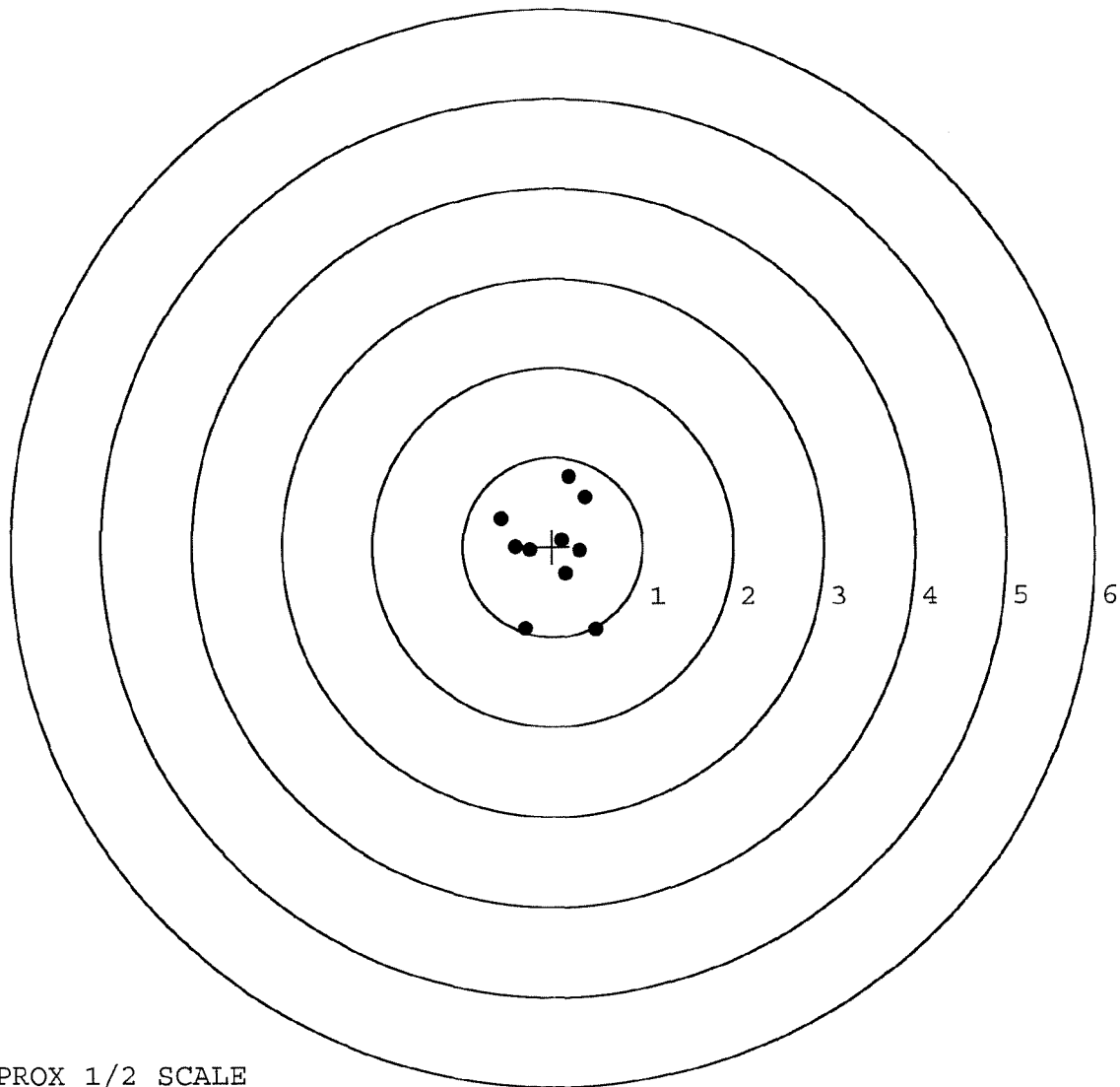
FIREARM SERIAL NUMBER / DATASET NAME: C6594555.___0
FILE DATE AND TIME: 01/09/2002 02:31

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.058
The Average Y Centroid of the Five Target Set:	0.045
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	0.453
The Distance from POA to Centroid Target #1:	0.048
The Distance from Centroid Target #2 to Centroid Target #1:	0.191
The Distance from Centroid Target #3 to Centroid Target #1:	0.121
The Distance from Centroid Target #4 to Centroid Target #1:	0.236
The Distance from Centroid Target #5 to Centroid Target #1:	0.118

SERIAL NUMBER: C6594555. __0
 TARGET NUMBER: 1
 FILE DATE: 01/09/2002
 FILE TIME: 02:31

	POINT#	X	Y
	1:	0.180	0.785
	2:	0.362	0.548
	3:	-0.574	0.310
	4:	-0.420	0.001
X CENTROID:	5:	-0.254	-0.039
Y CENTROID:	6:	0.478	-0.914
POA TO CENTROID:	7:	-0.308	-0.909
HORZ SPREAD:	8:	0.142	-0.295
VERT SPREAD:	9:	0.306	-0.044
GROUP SPREAD:	10:	0.101	0.073
MIN RADIUS:			
MAX RADIUS:			
MEAN RADIUS:			
# IN 1 IN DIAMETER:			5
# IN 2 IN DIAMETER:			10
# in 3 IN DIAMETER:			10

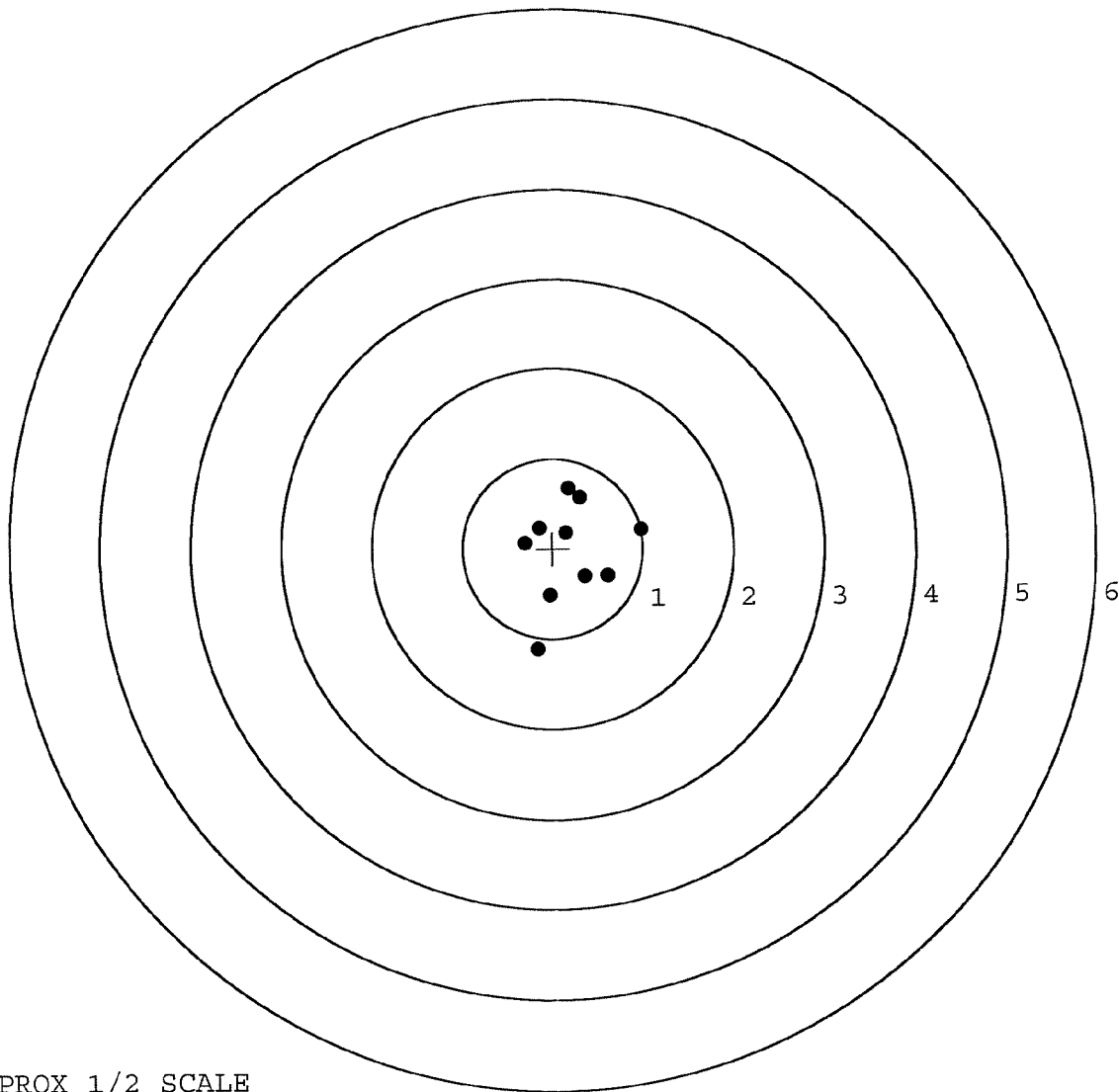


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594555. __0
 TARGET NUMBER: 2
 FILE DATE: 01/09/2002
 FILE TIME: 02:31

POINT#	X	Y
1:	0.180	0.668
2:	0.311	0.572
3:	0.984	0.211
4:	0.611	-0.305
5:	0.358	-0.309
6:	-0.176	-1.126
7:	-0.035	-0.524
8:	-0.310	0.062
9:	-0.152	0.229
10:	0.152	0.175

X CENTROID: 0.192
 Y CENTROID: -0.035
 POA TO CENTROID: 0.195
 HORZ SPREAD: 1.294
 VERT SPREAD: 1.794
 GROUP SPREAD: 1.829
 MIN RADIUS: 0.214
 MAX RADIUS: 1.152
 MEAN RADIUS: 0.582
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594555. __0

TARGET NUMBER: 3

FILE DATE: 01/09/2002

FILE TIME: 02:31

X CENTROID: 0.070

Y CENTROID: 0.050

POA TO CENTROID: 0.086

HORZ SPREAD: 1.228

VERT SPREAD: 1.322

GROUP SPREAD: 1.556

MIN RADIUS: 0.167

MAX RADIUS: 0.896

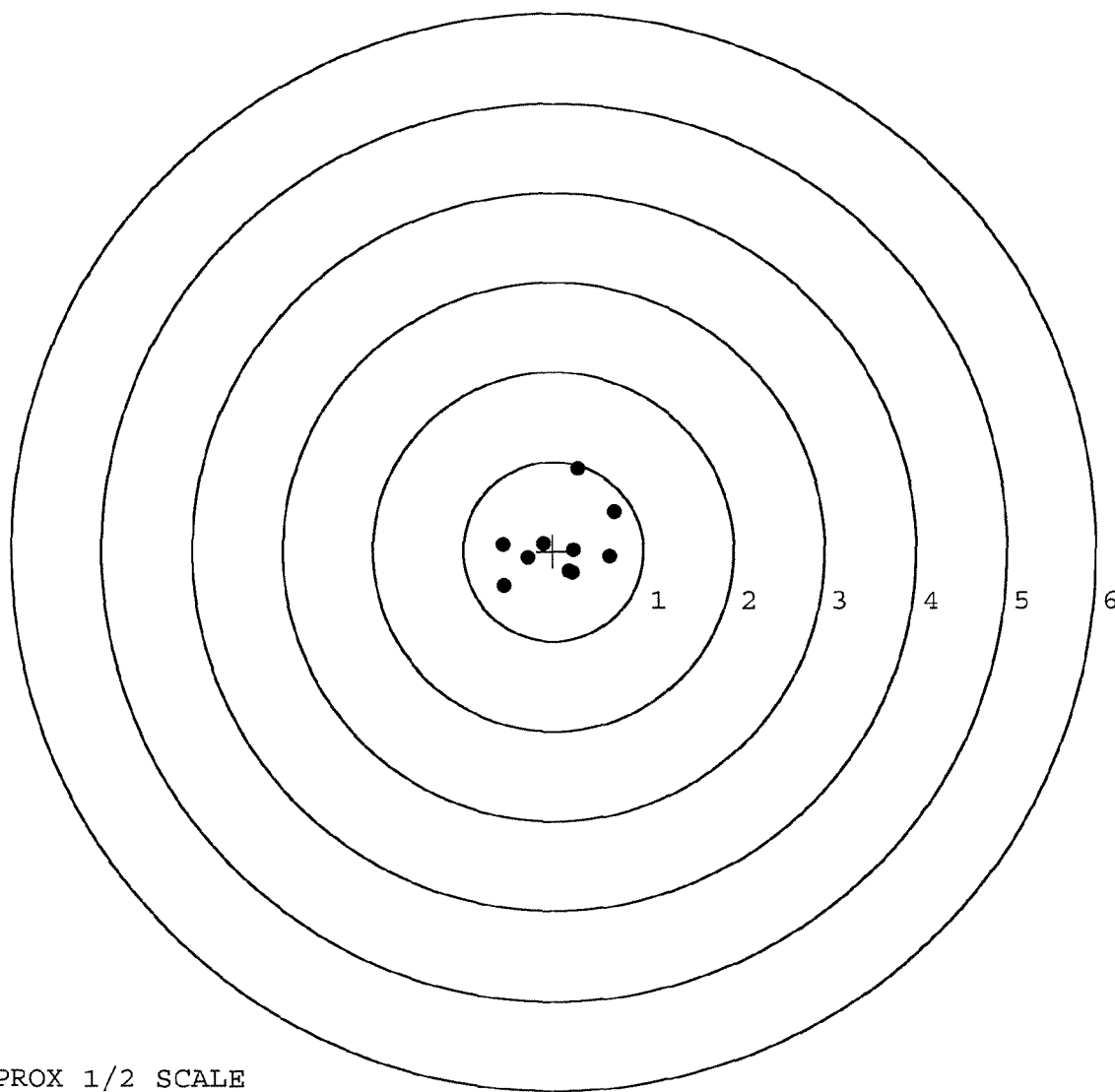
MEAN RADIUS: 0.493

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.271	0.924
2:	0.674	0.443
3:	0.627	-0.065
4:	0.214	-0.251
5:	-0.549	-0.398
6:	-0.554	0.070
7:	-0.108	0.082
8:	0.175	-0.233
9:	-0.281	-0.080
10:	0.233	0.013



TARGET APPROX 1/2 SCALE

BARBER - M24 0019172

SERIAL NUMBER: C6594555. __0

TARGET NUMBER: 4

FILE DATE: 01/09/2002

FILE TIME: 02:31

POINT#	X	Y
1:	-0.349	-0.374
2:	-0.277	0.532
3:	-0.054	0.589
4:	-0.107	0.354
5:	0.370	0.138
6:	0.260	0.225
7:	0.075	-0.048
8:	-0.006	0.177
9:	0.139	0.347
10:	0.149	-0.067

X CENTROID: 0.020

Y CENTROID: 0.187

POA TO CENTROID: 0.188

HORZ SPREAD: 0.719

VERT SPREAD: 0.963

GROUP SPREAD: 1.007

MIN RADIUS: 0.028

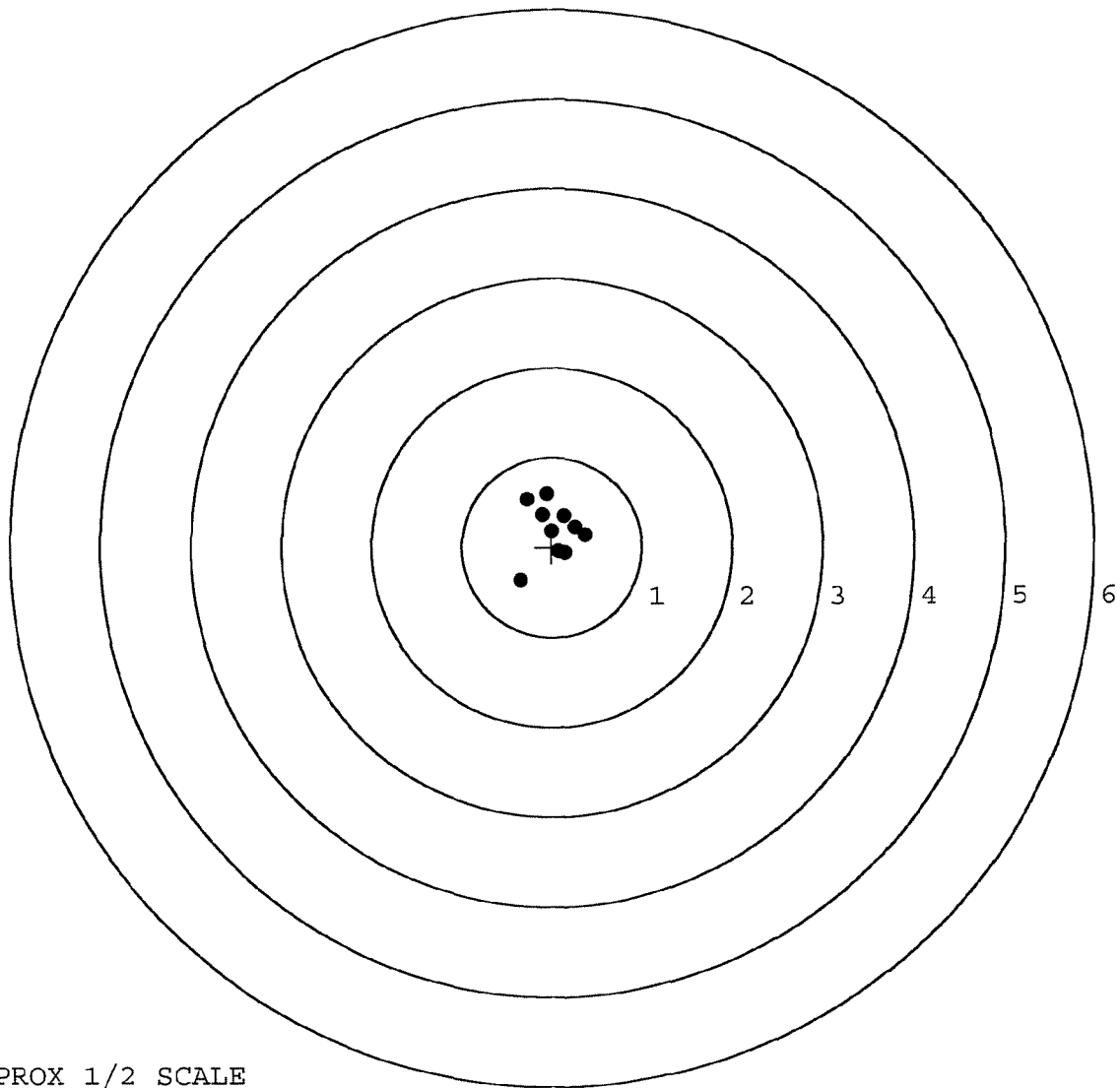
MAX RADIUS: 0.672

MEAN RADIUS: 0.310

IN 1 IN DIAMETER: 9

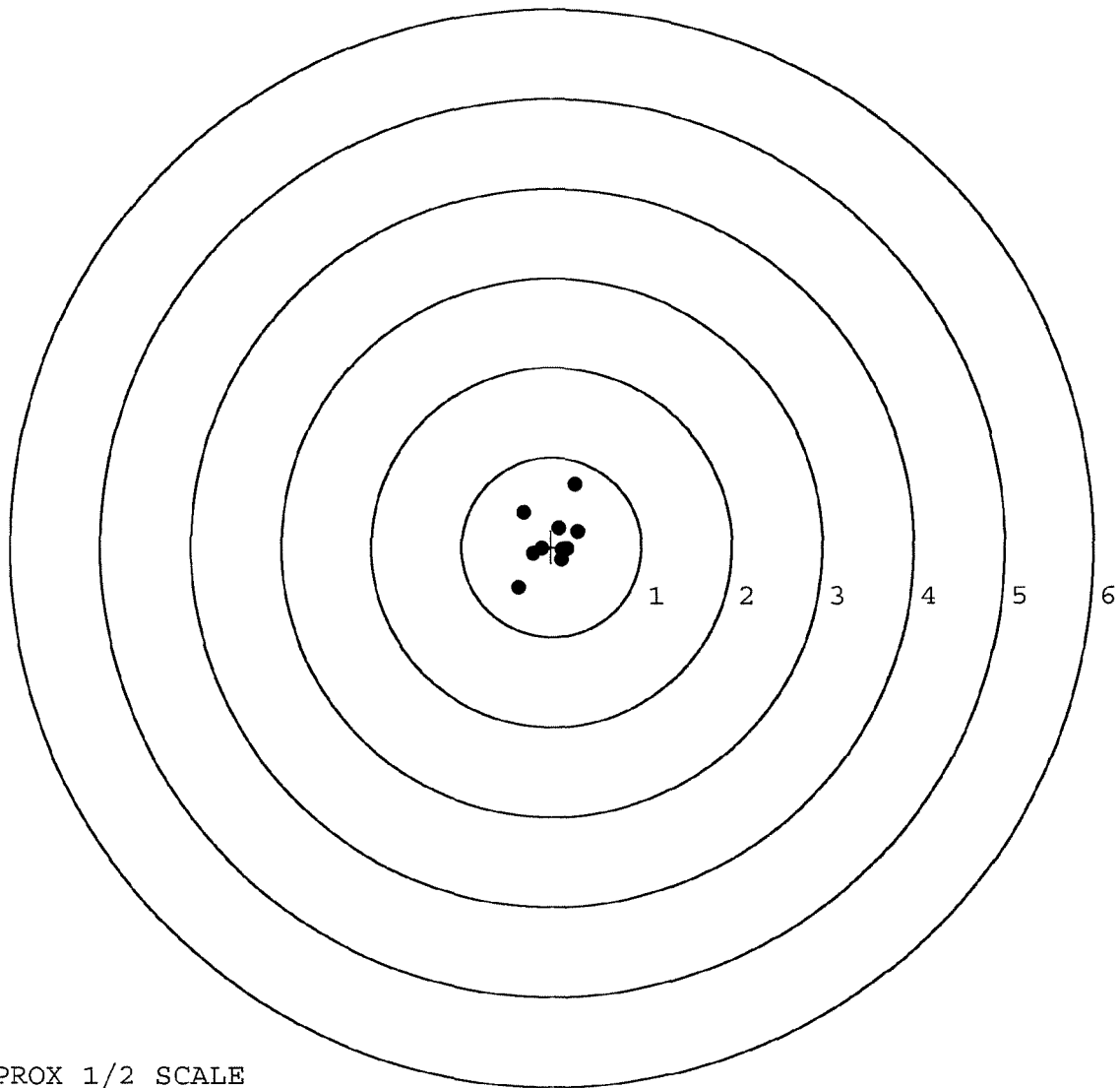
IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

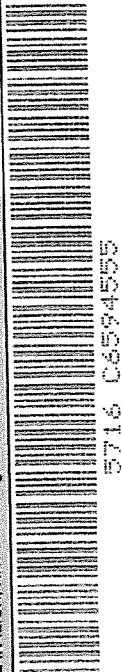
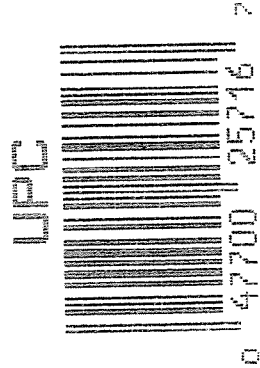
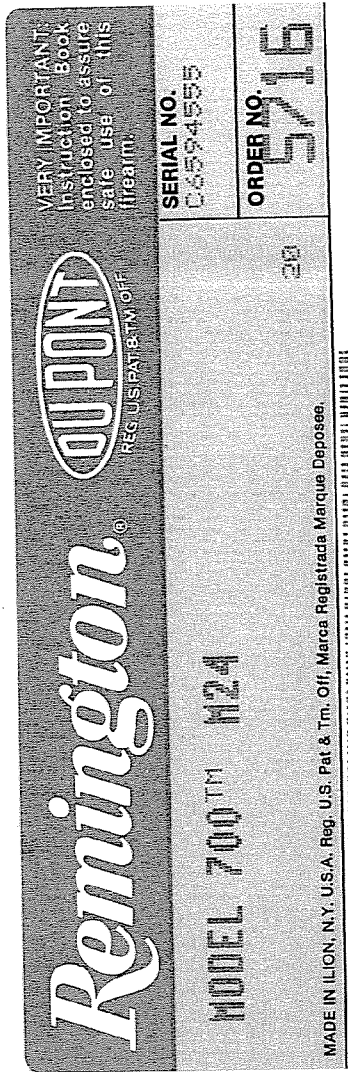


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594555. __0	POINT#	X	Y
TARGET NUMBER: 5	1:	0.265	0.704
FILE DATE: 01/09/2002	2:	-0.311	0.380
FILE TIME: 02:31	3:	-0.203	-0.079
	4:	0.118	-0.147
X CENTROID: 0.007	5:	0.288	0.179
Y CENTROID: 0.069	6:	0.089	0.211
POA TO CENTROID: 0.070	7:	-0.367	-0.460
HORZ SPREAD: 0.655	8:	0.123	-0.040
VERT SPREAD: 1.164	9:	-0.109	-0.026
GROUP SPREAD: 1.325	10:	0.175	-0.029
MIN RADIUS: 0.150			
MAX RADIUS: 0.685			
MEAN RADIUS: 0.325			
# IN 1 IN DIAMETER: 8			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594555

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/30/90	Kel
600	Proof		10/30/90	Kel
607	Check Headspace		10/30/90	Kel
610	Dis-assemble Gun		10/30/90	Kel
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	GS
617	Drill and Tap Sight Holes		11/6/90	RB
618	Polish Barrel RB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/14/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/14/90	KS
	C) Inspect Ejector Hole for Chamfer		12/14/90	KS
	D) Oil Firing Pin Ass'y		12/14/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-7-91	JA

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.75	5.0	5.0			1/3/91	KT
	G) Safety Off Force	2.75	2.75	3.0			1/3/91	KT
	H) Trigger Pull Test & Retainability						1-7-91	JL
	I) Firing Pin Indent	.020	.020	.020			1/3/91	KT
	J) Assemble Stock						1/11/91	KA
	K) Assemble Swivel Studs						1-16-91	JL
	L) Attach Front and Rear Sight Assemblies						1/11/91	KA
	M) Iron Sight Alignment						1/11/91	KA
	N) Detach Front & Rear Sights & place in numbered container						1/11/91	KA
	O) Attach Scope to Rifle						1/11/91	KA
	P) Detach & Attach Scope 20 Times						1/11/91	KA
640	Gallery Target & Test						1-15-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						1-15-91	AF
655	Final Inspection							
	A) Headspace						1-16-91	JL
	B) Trigger Pull	2.31	2.38	2.36	2.42	2.32	1-16-91	JL
	C) Function						1-16-91	JL
660	Pack						3/15/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594555DATE 1-7-91TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.16	2.25	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.24	2.25	2.38	
PULL #3	2.30	2.25	2.38	2.35	
PULL #4	2.25	2.43	2.42	2.42	
PULL #5	2.25	2.21	2.31	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.43		
PULL #2	3.35	3.20		
PULL #3	3.39	3.39		
PULL #4	3.41	3.30		
PULL #5	3.22	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY.
PULL #1	4.32	4.43		4.37
PULL #2	4.30	4.45		4.31
PULL #3	4.32	4.38		4.37
PULL #4	4.37	4.40		4.33
PULL #5	4.34	4.34		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594555
16 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0823772
1 TO	2	.292426
1 TO	3	.206671
1 TO	4	.0485077
1 TO	5	.291686

0.0

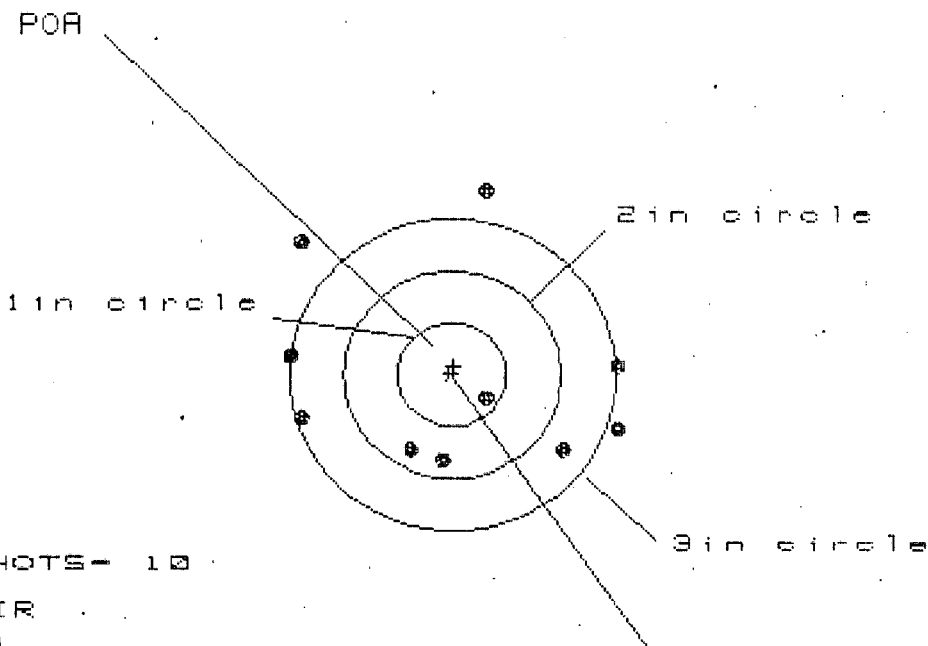
<----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0496
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0603616
THE AMR FOR THIS RIFLE IS: 1.032

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594555

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.995

VS= 2.627

GS= 3.415

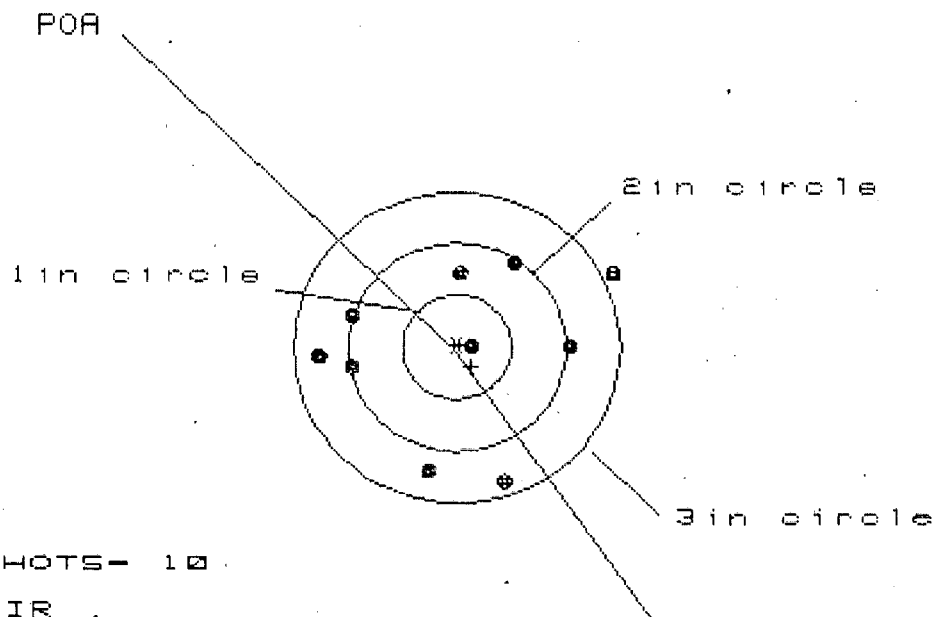
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.531	1.381	1.396
MINIMUM X	-1.464	-1.614	-1.599
MAXIMUM Y	1.779	1.925	.607
MINIMUM Y	-.848	-.702	-.461
CENTROID X	-.015	.135	.120
CENTROID Y	-.081	-.227	-.468
POA TO CENTROID in.	.082	.264	.483
MIN RADIUS	.348	.142	.223
MEAN RADIUS	1.304	1.187	1.051
MAX RADIUS	1.887	1.929	1.710
HORIZONTAL SPREAD	2.995	2.995	2.995
VERTICAL SPREAD	2.627	2.627	1.068
EXTREME SPREAD	3.415	3.084	3.084
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594555

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR .

1in = 1

2in = 5

3in = 9

HS= 2.651

VS= 2.182

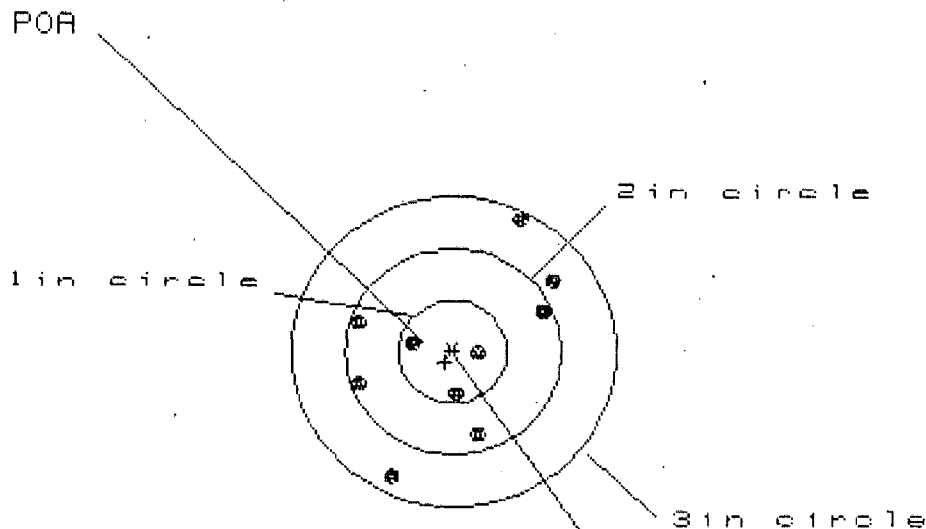
GS= 2.763

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.383
MINIMUM X	-1.268
MAXIMUM Y	.854
MINIMUM Y	-1.328
CENTROID X	-.132
CENTROID Y	.187
POA TO CENTROID in.	.228
MIN RADIUS	.107
MEAN RADIUS	1.030
MAX RADIUS	1.553
HORIZONTAL SPREAD	2.651
VERTICAL SPREAD	2.182
EXTREME SPREAD	2.763
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594555

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.866

VS = 2.465

GS = 2.736

CENTROID *

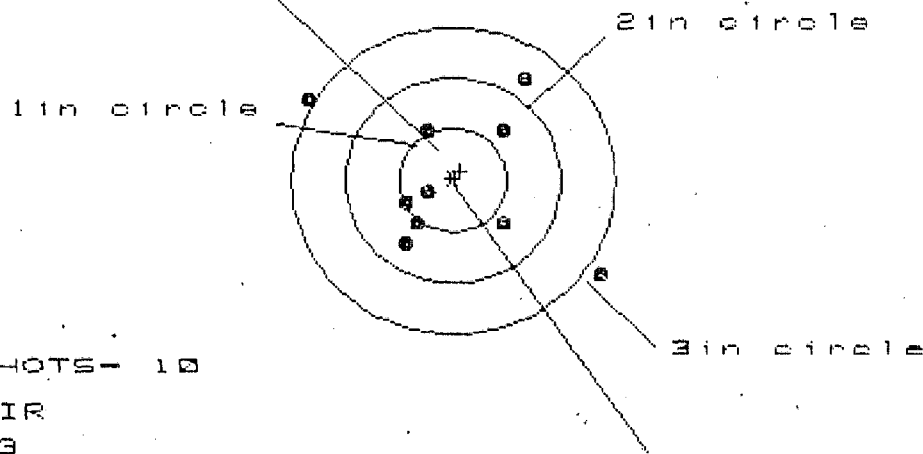
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.945	1.011	.946
MINIMUM X	-.921	-.855	-.920
MAXIMUM Y	1.256	.845	.712
MINIMUM Y	-1.209	-1.070	-.767
CENTROID X	.073	.007	.072
CENTROID Y	.106	-.033	.101
POA TO CENTROID in.	.129	.034	.124
MIN RADIUS	.213	.245	.214
MEAN RADIUS	.853	.775	.724
MAX RADIUS	1.391	1.318	1.183
HORIZONTAL SPREAD	1.866	1.866	1.866
VERTICAL SPREAD	2.465	1.915	1.478
EXTREME SPREAD	2.736	2.454	2.114
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594555

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.668

VS= 1.815

GS= 3.157

CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.349
MINIMUM X	-1.319
MAXIMUM Y	.940
MINIMUM Y	-.875
CENTROID X	-.063
CENTROID Y	-.088
POA TO CENTROID in.	.108
MIN RADIUS	.287
MEAN RADIUS	.813
MAX RADIUS	1.608
HORIZONTAL SPREAD	2.668
VERTICAL SPREAD	1.815
EXTREME SPREAD	3.157
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594555

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 8

HS = 3.086

VS = 3.298

GS = 3.314

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.746	1.789	.986
MINIMUM X	-1.340	-1.297	-1.074
MAXIMUM Y	1.207	.975	.963
MINIMUM Y	-2.091	-.867	-.879
CENTROID X	-.035	-.078	-.301
CENTROID Y	-.372	-.140	-.128
POA TO CENTROID in.	.374	.160	.328
MIN RADIUS	.504	.637	.661
MEAN RADIUS	1.162	1.044	.933
MAX RADIUS	2.127	1.792	1.378
HORIZONTAL SPREAD	3.086	3.086	2.059
VERTICAL SPREAD	3.298	1.842	1.842
EXTREME SPREAD	3.314	3.119	2.563
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		