

C6594646

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Serial Number:

C6594646

Model: 700



RE0003855 1

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

R & E NUMBER <i>R38551</i>			
SERIAL NUMBER <i>C6594646</i>			
LOG-IN DATE <i>1/2/02</i>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>1/2/02</i>	<i>RW</i>
560 A	RE-BARREL AT CUSTOM SHOP	<i>1-3-02</i>	<i>BWT</i>
B	DRILL AND TAP	<i>1-3-02</i>	<i>BWT</i>
C	POLISH		
575	ASSEMBLE	<i>1-4-02</i>	<i>AC</i>
600	PROOF	<i>1-4-02</i>	<i>AC</i>
605	CHECK HEADSPACE	<i>1-4-02</i>	<i>AC</i>
610	DIS-ASSEMBLE GUN	<i>1-4-02</i>	<i>AC</i>
612	MAGNAFLUX	<i>OPERATOR AC</i>	
615	ROLLMARK CALIBER	<i>1-7-02</i>	<i>R3</i>
618	ROTO-BLAST	<i>1/7</i>	<i>NO</i>
620	APPLY COATINGS	<i>1/7</i>	<i>HP</i>
625 A	FINAL ASSEMBLY	<i>1/8/02</i>	<i>RW</i>
B	TRIGGER PULL TEST	<i>N/C</i>	
C	SAFETY "ON" FORCE	<i>N/C</i>	
D	SAFETY "OFF" FORCE	<i>N/C</i>	
E	FIRING PIN INDENT	<i>N/C</i>	
640	TARGET	<i>1-9-02</i>	<i>AC</i>
655	FINAL INSPECT	<i>1-9-02</i>	<i>RH</i>
660	PACK	<i>1-10-02</i>	<i>RH</i>
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594646.__0
FILE DATE AND TIME: 01/09/2002 02:11

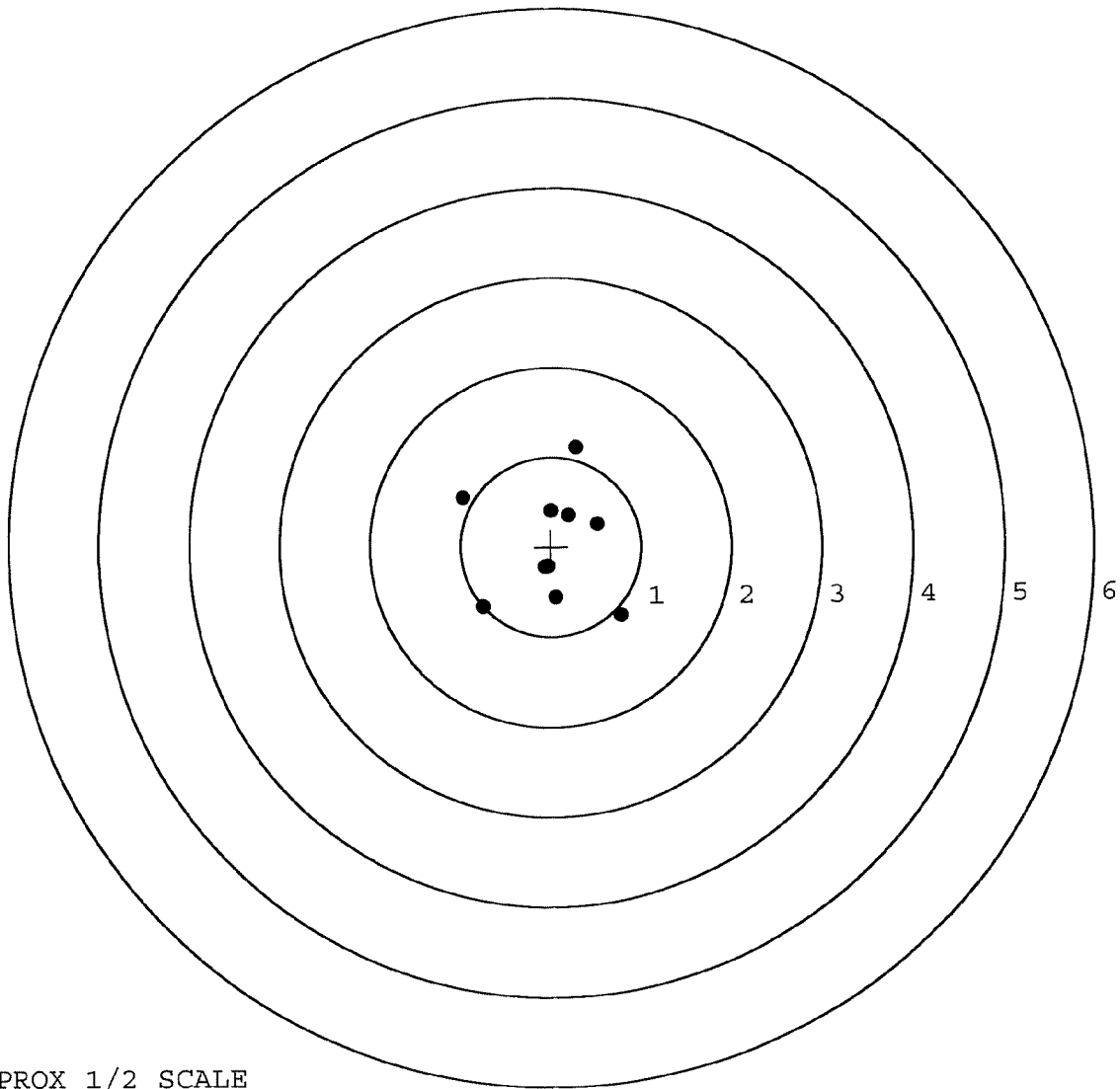
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.019
The Distance from Centroid Target #2 to Centroid Target #1:	0.376
The Distance from Centroid Target #3 to Centroid Target #1:	0.029
The Distance from Centroid Target #4 to Centroid Target #1:	0.137
The Distance from Centroid Target #5 to Centroid Target #1:	0.190

SERIAL NUMBER: C6594646. __0
 TARGET NUMBER: 1
 FILE DATE: 01/09/2002
 FILE TIME: 02:11

X CENTROID: -0.003
 Y CENTROID: 0.019
 POA TO CENTROID: 0.019
 HORZ SPREAD: 1.743
 VERT SPREAD: 1.874
 GROUP SPREAD: 2.052
 MIN RADIUS: 0.245
 MAX RADIUS: 1.119
 MEAN RADIUS: 0.678
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.282	1.101
2:	-0.973	0.555
3:	-0.756	-0.669
4:	0.052	-0.567
5:	-0.038	-0.223
6:	0.770	-0.773
7:	0.517	0.247
8:	0.194	0.347
9:	-0.004	0.405
10:	-0.070	-0.233

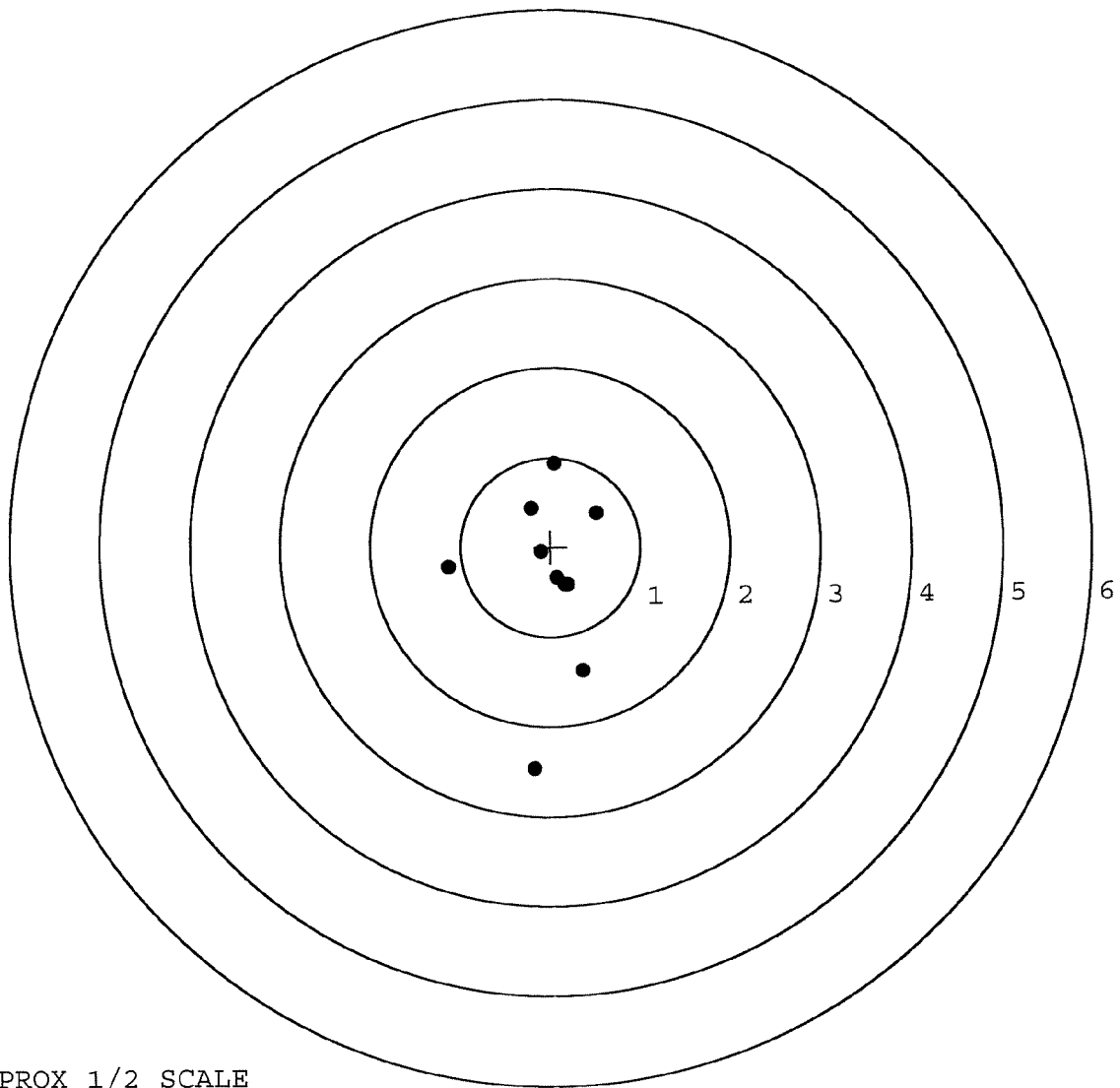


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0
 TARGET NUMBER: 2
 FILE DATE: 01/09/2002
 FILE TIME: 02:11

X CENTROID: -0.031
 Y CENTROID: -0.356
 POA TO CENTROID: 0.357
 HORZ SPREAD: 1.653
 VERT SPREAD: 3.406
 GROUP SPREAD: 3.415
 MIN RADIUS: 0.105
 MAX RADIUS: 2.123
 MEAN RADIUS: 0.820
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.052	0.934
2:	-0.216	0.437
3:	-1.135	-0.215
4:	0.518	0.377
5:	-0.107	-0.059
6:	0.193	-0.420
7:	0.353	-1.382
8:	-0.202	-2.472
9:	0.158	-0.420
10:	0.072	-0.340

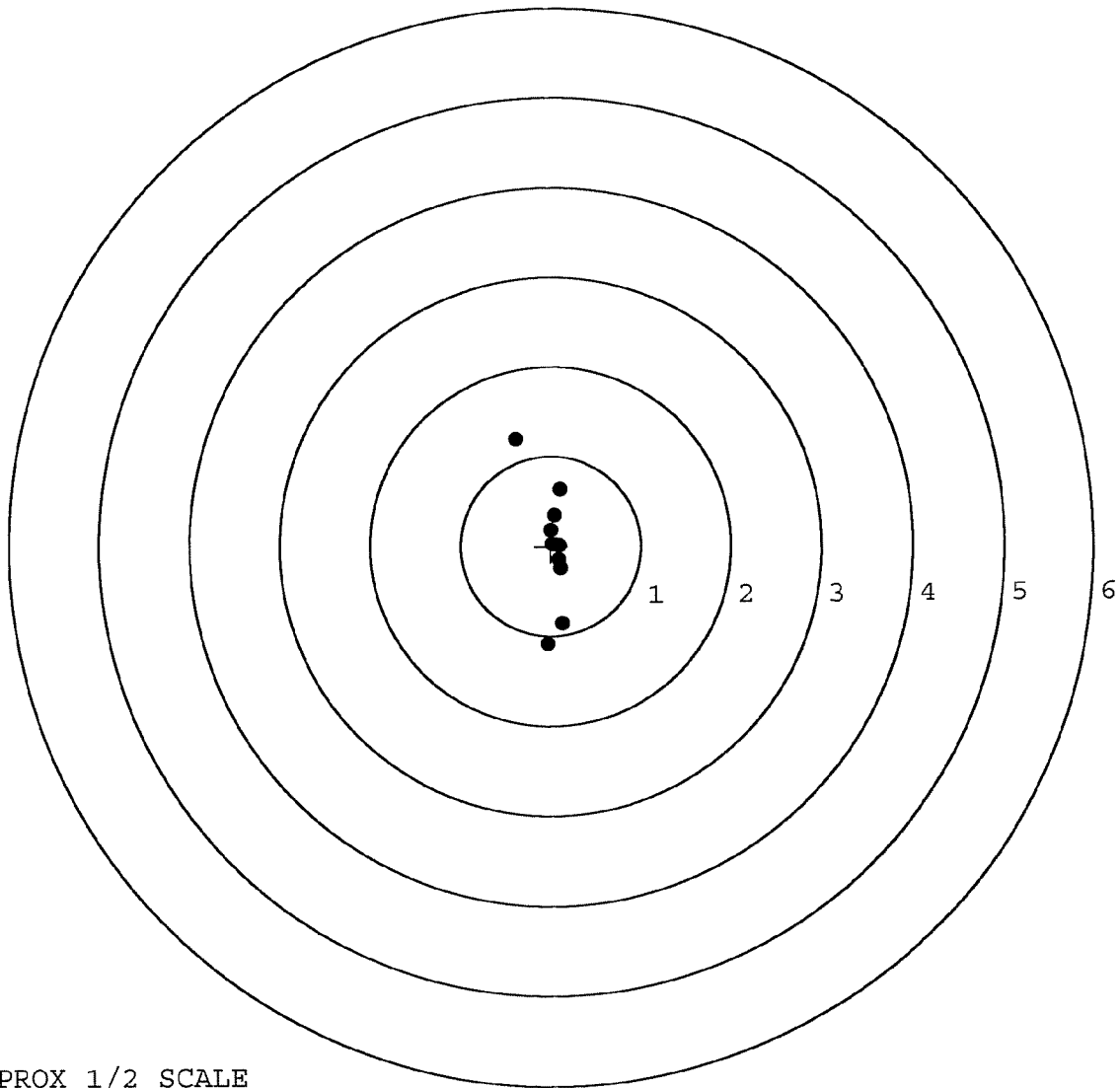


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. 0
 TARGET NUMBER: 3
 FILE DATE: 01/09/2002
 FILE TIME: 02:11

X CENTROID: 0.017
 Y CENTROID: -0.002
 POA TO CENTROID: 0.017
 HORZ SPREAD: 0.504
 VERT SPREAD: 2.290
 GROUP SPREAD: 2.315
 MIN RADIUS: 0.025
 MAX RADIUS: 1.257
 MEAN RADIUS: 0.494
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.041	-1.100
2:	0.124	-0.868
3:	0.109	-0.256
4:	0.099	-0.006
5:	0.002	0.179
6:	0.110	0.630
7:	-0.380	1.190
8:	0.041	0.341
9:	0.014	0.023
10:	0.091	-0.156



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0

TARGET NUMBER: 4

FILE DATE: 01/09/2002

FILE TIME: 02:11

X CENTROID: -0.128

Y CENTROID: -0.037

POA TO CENTROID: 0.133

HORZ SPREAD: 1.919

VERT SPREAD: 2.536

GROUP SPREAD: 2.551

MIN RADIUS: 0.115

MAX RADIUS: 1.358

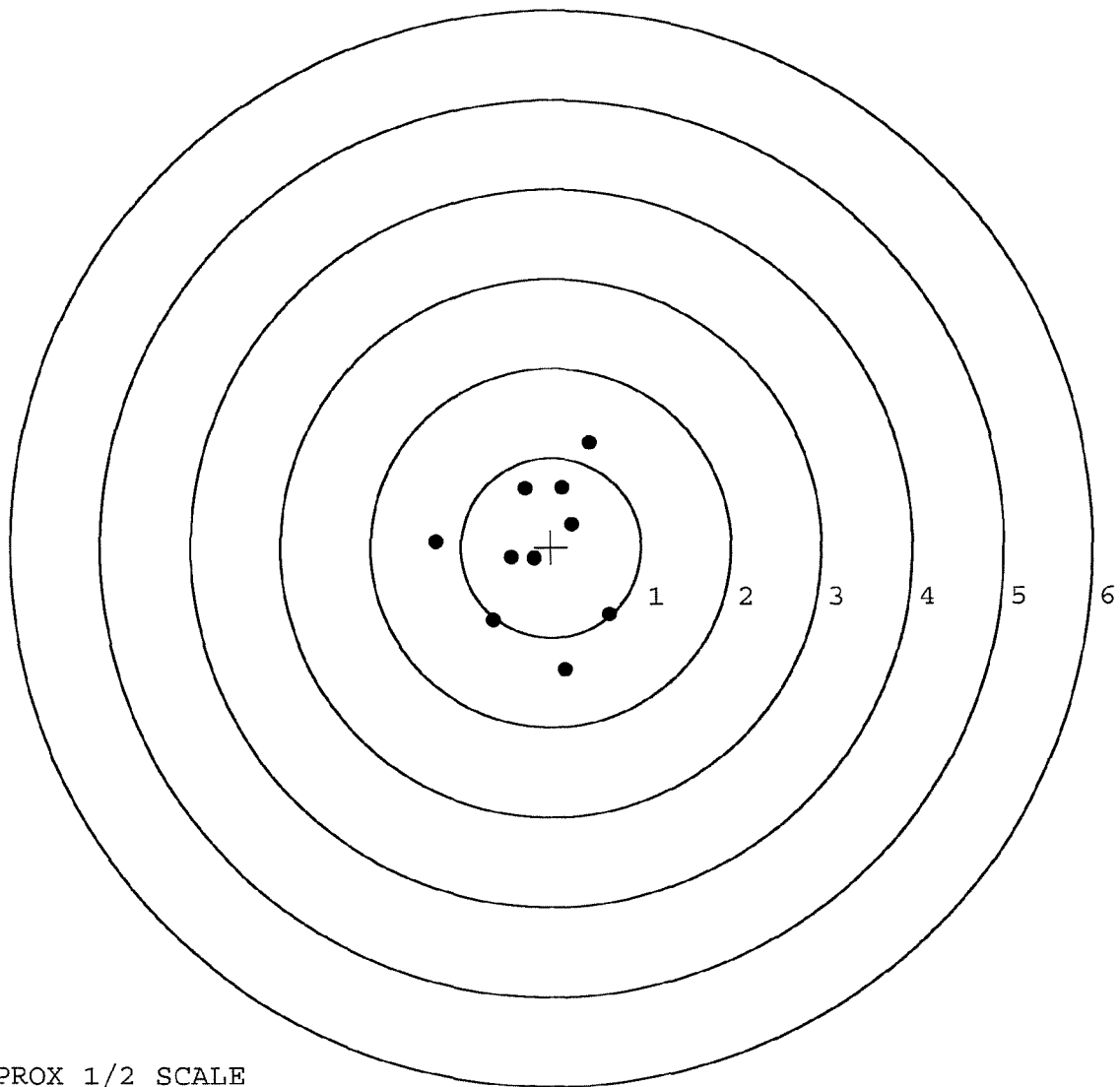
MEAN RADIUS: 0.819

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.433	1.171
2:	0.122	0.665
3:	0.228	0.256
4:	-0.291	0.658
5:	-1.279	0.061
6:	-0.446	-0.118
7:	-0.191	-0.133
8:	-0.649	-0.813
9:	0.640	-0.753
10:	0.156	-1.365



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594646. __0

TARGET NUMBER: 5

FILE DATE: 01/09/2002

FILE TIME: 02:11

X CENTROID: -0.094

Y CENTROID: 0.186

POA TO CENTROID: 0.208

HORZ SPREAD: 1.445

VERT SPREAD: 1.578

GROUP SPREAD: 1.736

MIN RADIUS: 0.307

MAX RADIUS: 1.055

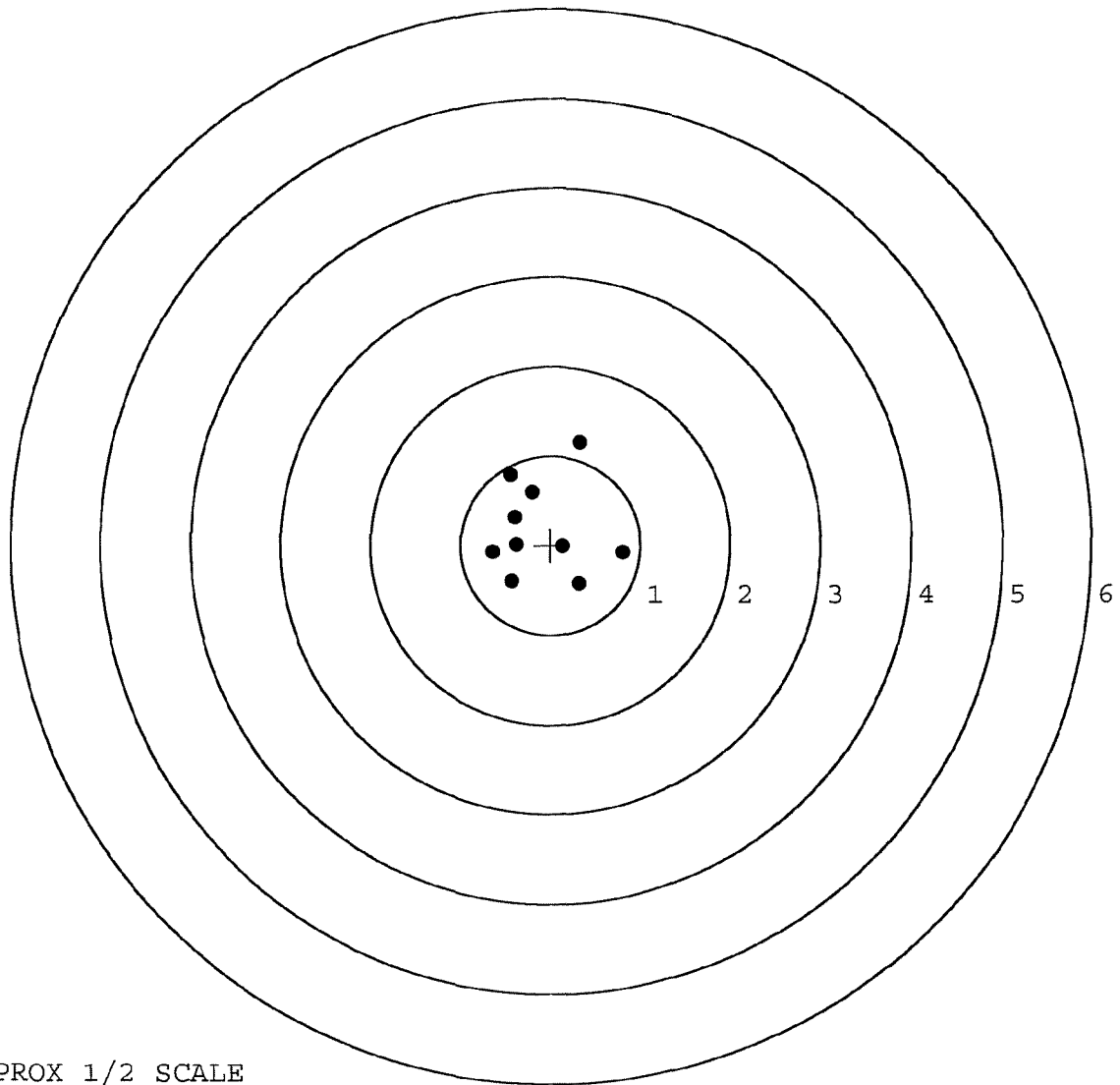
MEAN RADIUS: 0.613

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.331	1.151
2:	0.800	-0.084
3:	0.319	-0.427
4:	-0.438	-0.405
5:	-0.645	-0.075
6:	-0.452	0.790
7:	-0.211	0.597
8:	-0.401	0.320
9:	-0.381	0.007
10:	0.137	-0.017



TARGET APPROX 1/2 SCALE

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

MODEL 700™ M24

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

SERIAL NO.
C6594646

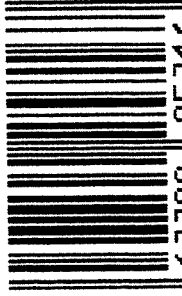
ORDER NO.
5716

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



5716 C6594646

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594646

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/21/90	K.S.
600	Proof		12/21/90	K.S.
607	Check Headspace		12/21/90	K.S.
610	Dis-assemble Gun		12/21/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes	1 10 91		CB
618	Polish Barrel	1 10 91		wB
620	Apply Coatings (Barrel Action)		1-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	YK
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	YK
	C) Inspect Ejector Hole for Chamfer		2/6/91	YK
	D) Oil Firing Pin Ass'y		2/6/91	YK
	E) Adjust Trigger Pull to Min Setting and Stake		2/8/91	YK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/4	6 1/4	6			2/8/91	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			2/8/91	WB
	H) Trigger Pull Test & Retainability						2/14/91	JH
	I) Firing Pin Indent	.021	.0205	.0205			2/8/91	WB
	J) Assemble Stock						2/14/91	KJ
	K) Assemble Swivel Studs						2-26-91	A
	L) Attach Front and Rear Sight Assemblies						2/14/91	KJ
	M) Iron Sight Alignment						2/14/91	KJ
	N) Detach Front & Rear Sights & place in numbered container						2/14/91	KJ
	O) Attach Scope to Rifle						2/14/91	KJ
	P) Detach & Attach Scope 20 Times						2/14/91	KJ
640	Gallery Target & Test						2/14/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						2/14/91	KJ
655	Final Inspection							
	A) Headspace						2-26-91	A
	B) Trigger Pull	252	246	247	247	247	2/23/91	JH
	C) Function						2-26-91	AC
660	Pack						3-14-91	VH

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

SERIAL NO. C6594646DATE 2/14/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.47	2.30	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.25	2.32	2.46	
PULL #3	2.37	2.49	2.32	2.47	
PULL #4	2.39	2.38	2.31	2.47	
PULL #5	2.34	2.29	2.29	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.34		
PULL #2	3.34	3.32		
PULL #3	3.16	3.39		
PULL #4	3.37	3.38		
PULL #5	3.39	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.18		4.33
PULL #2	4.28	4.26		4.27
PULL #3	4.25	4.19		4.20
PULL #4	4.18	4.33		4.33
PULL #5	4.17	4.29		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594646
15 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0554707
1 TO	2	.0559732
1 TO	3	.0813019
1 TO	4	.359117
1 TO	5	.292966

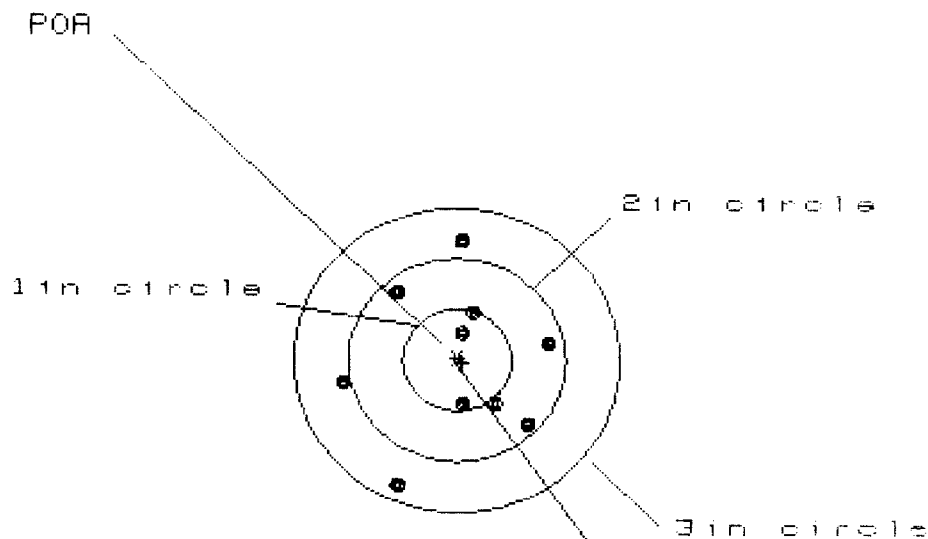
5.1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1454
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1102
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182442
THE AMR FOR THIS RIFLE IS: .8612

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594646

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.849

VS= 2.426

GS= 2.504

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.826	.764	.765
MINIMUM X	-1.023	-1.085	-1.084
MAXIMUM Y	1.223	1.090	.647
MINIMUM Y	-1.203	-.719	-.583
CENTROID X	-.049	.013	.012
CENTROID Y	.026	.159	.023
POR TO CENTROID in.	.055	.160	.026
MIN RADIUS	.299	.168	.303
MEAN RADIUS	.798	.718	.672
MAX RADIUS	1.323	1.149	1.110
HORIZONTAL SPREAD	1.849	1.849	1.849
VERTICAL SPREAD	2.426	1.809	1.230
EXTREME SPREAD	2.504	1.914	1.906
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534646

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 5

2 in - 7

3 in = 9

HS= 2.266

VS= 2.121

GS= 2.658

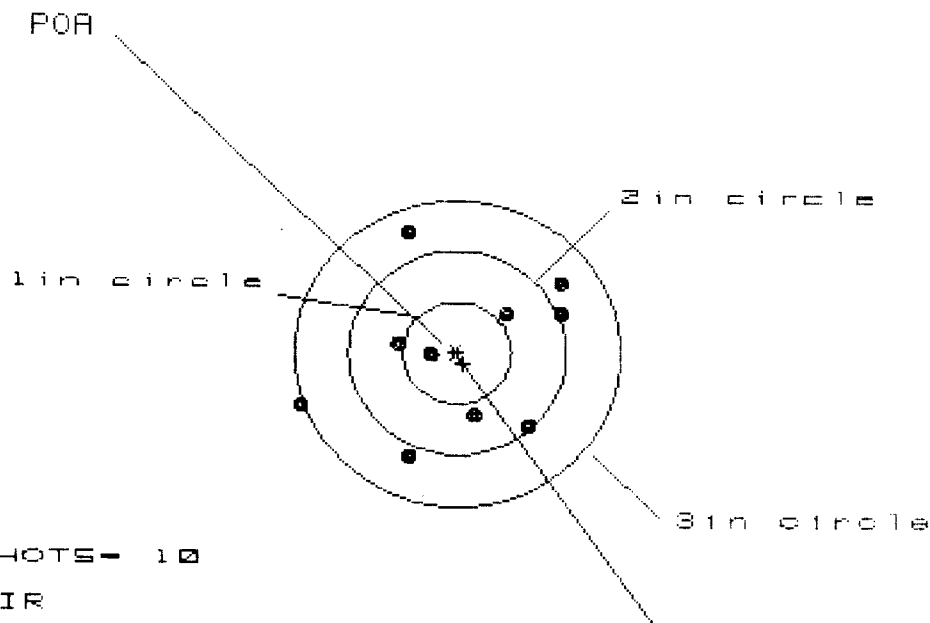
CENTROID #

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.399
MINIMUM X	:	-.868
MAXIMUM Y	:	.789
MINIMUM Y	:	-1.332
CENTROID X	:	-.012
CENTROID Y	:	-.016
POA TO CENTROID in.	:	.020
MIN RADIUS	:	.216
MEAN RADIUS	:	.747
MAX RADIUS	:	1.606
HORIZONTAL SPREAD	:	2.266
VERTICAL SPREAD	:	2.121
EXTREME SPREAD	:	2.658
NUMBER IN ONE INCH CIRCLE	=	5
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	9

14 Feb 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.397

VS= 2.205

GS= 2.646

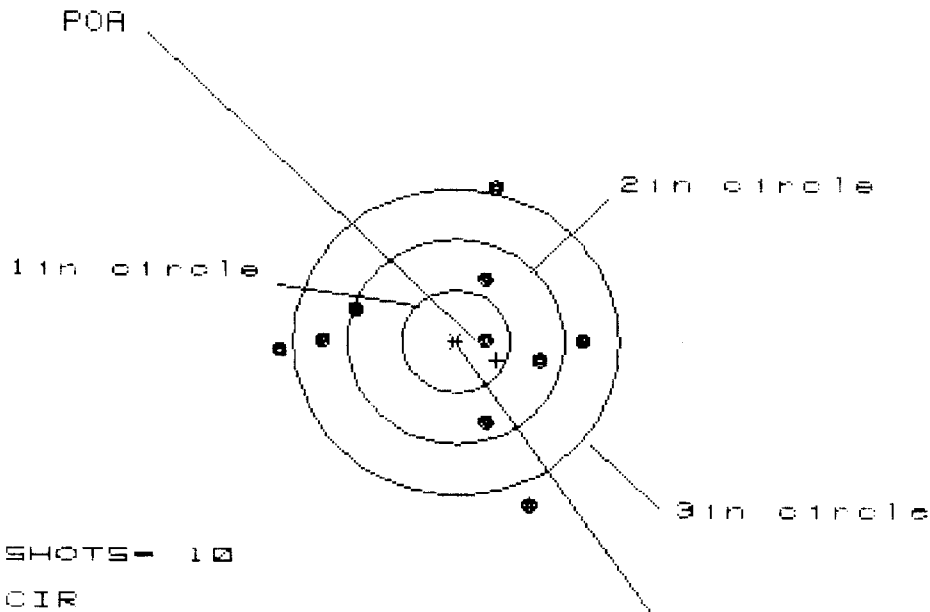
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.945	.783	.708
MINIMUM X	-1.452	-.715	-.790
MAXIMUM Y	1.188	1.135	.745
MINIMUM Y	-1.018	-1.070	-.928
CENTROID X	-.056	.106	.181
CENTROID Y	.107	.160	.018
POA TO CENTROID in.	.121	.192	.182
MIN RADIUS	.194	.361	.438
MEAN RADIUS	.900	.825	.759
MAX RADIUS	1.528	1.283	1.172
HORIZONTAL SPREAD	2.397	1.498	1.498
VERTICAL SPREAD	2.205	2.205	1.673
EXTREME SPREAD	2.646	2.205	2.194
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534646

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 7

HS- 2.789

VS- 3.113

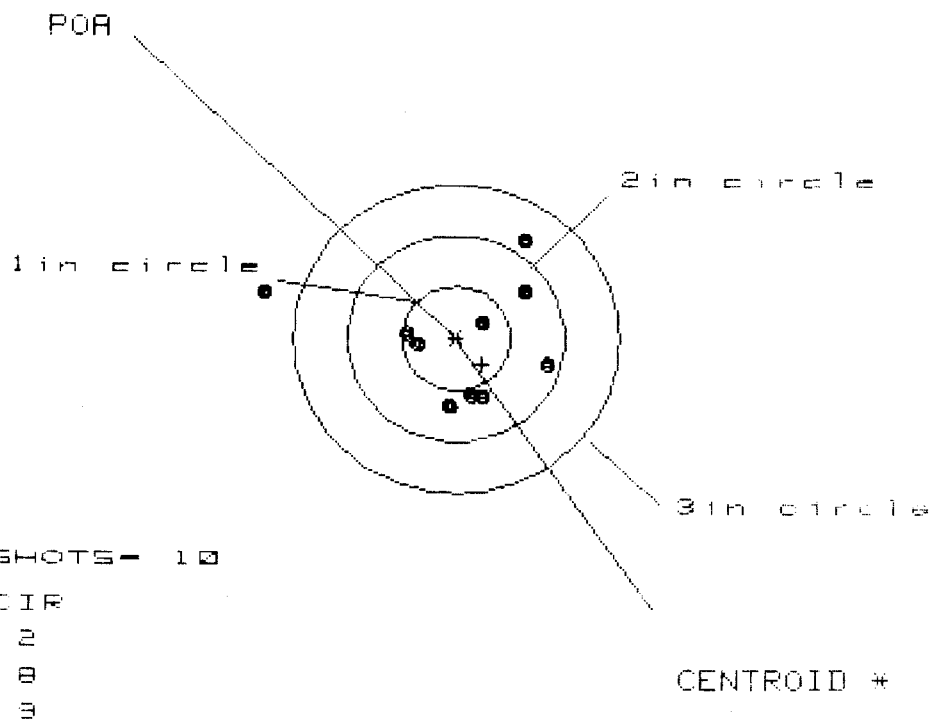
GS- 3.130

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.140	1.219	1.022
MINIMUM X	-1.649	-1.570	-1.379
MAXIMUM Y	1.550	1.377	1.349
MINIMUM Y	-1.563	-0.978	-1.006
CENTROID X	-0.371	-0.450	-0.254
CENTROID Y	.185	.358	.386
POA TO CENTROID in.	.414	.575	.462
MIN RADIUS	.268	.361	.205
MEAN RADIUS	1.095	1.026	.913
MAX RADIUS	1.716	1.586	1.387
HORIZONTAL SPREAD	2.789	2.789	2.402
VERTICAL SPREAD	3.113	2.355	2.355
EXTREME SPREAD	3.130	2.790	2.402
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594646

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in - 2

2in - 8

3in - 9

HS - 2.638

VS - 1.600

GS - 2.730

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.842	.643	.697
MINIMUM X	:	-1.796	-.704	-.650
MAXIMUM Y	:	.908	.959	.620
MINIMUM Y	:	-.692	-.641	-.521
CENTROID X	:	-.239	-.040	-.034
CENTROID Y	:	.249	.198	.078
POR TO CENTROID INCH	:	.345	.201	.122
MIN RADIUS	:	.295	.183	.315
MEAN RADIUS	:	.766	.618	.548
MAX RADIUS	:	1.854	1.053	.802
HORIZONTAL SPREAD	:	2.638	1.347	1.047
VERTICAL SPREAD	:	1.600	1.600	1.141
EXTREME SPREAD	:	2.730	1.761	1.379
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	