

C6594673

MODEL 700™ M24

Model **SMS**™

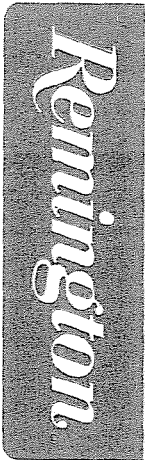
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number:

C6594573

Model: 700



RE00038546

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594573.___0
FILE DATE AND TIME: 01/09/2002 02:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	0.055
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.438
The Distance from POA to Centroid Target #1:	0.111
The Distance from Centroid Target #2 to Centroid Target #1:	0.132
The Distance from Centroid Target #3 to Centroid Target #1:	0.113
The Distance from Centroid Target #4 to Centroid Target #1:	0.195
The Distance from Centroid Target #5 to Centroid Target #1:	0.122

SERIAL NUMBER: C6594573. __0

TARGET NUMBER: 1

FILE DATE: 01/09/2002

FILE TIME: 02:36

POINT#	X	Y
1:	0.234	0.804
2:	-0.194	0.495
3:	-0.010	0.518
4:	0.285	0.315
5:	0.240	0.089
6:	0.405	-0.256
7:	-0.238	0.018
8:	-0.927	-0.239
9:	-0.230	-0.687
10:	0.236	0.032

X CENTROID: -0.020

Y CENTROID: 0.109

POA TO CENTROID: 0.111

HORZ SPREAD: 1.332

VERT SPREAD: 1.491

GROUP SPREAD: 1.561

MIN RADIUS: 0.236

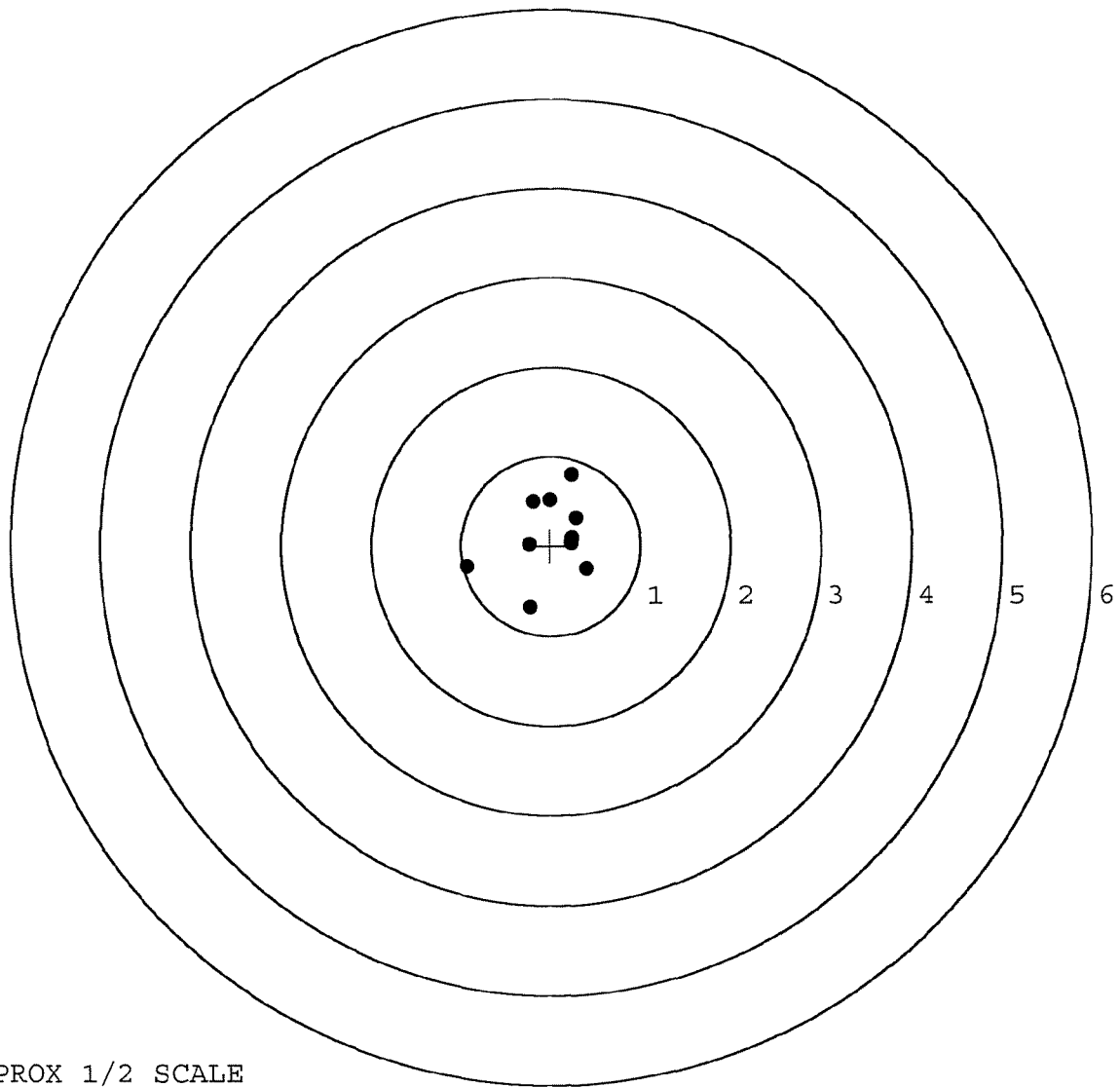
MAX RADIUS: 0.972

MEAN RADIUS: 0.506

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

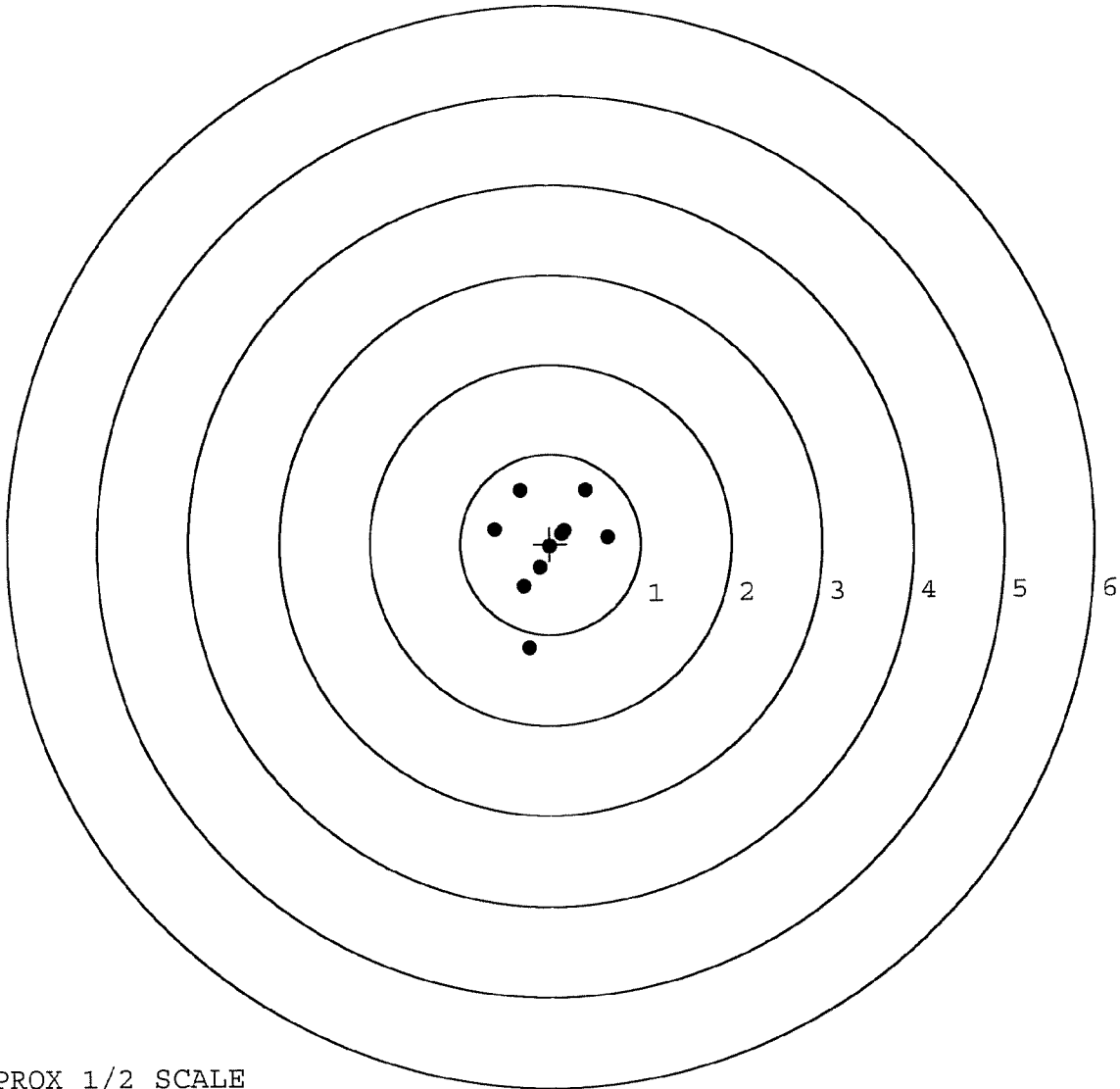
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

X CENTROID: **BARBER - M24 0021552**
 Y CENTROID: -0.023
 POA TO CENTROID: 0.036
 HORZ SPREAD: 1.249
 VERT SPREAD: 1.753
 GROUP SPREAD: 1.862
 MIN RADIUS: 0.022
 MAX RADIUS: 1.150
 MEAN RADIUS: 0.513
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

4:	0.155	0.152
5:	0.634	0.068
6:	-0.238	-1.154
7:	-0.296	-0.469
8:	-0.117	-0.261
9:	-0.007	-0.030
10:	0.131	0.109



TARGET APPROX 1/2 SCALE

BARBER - M24 0021556

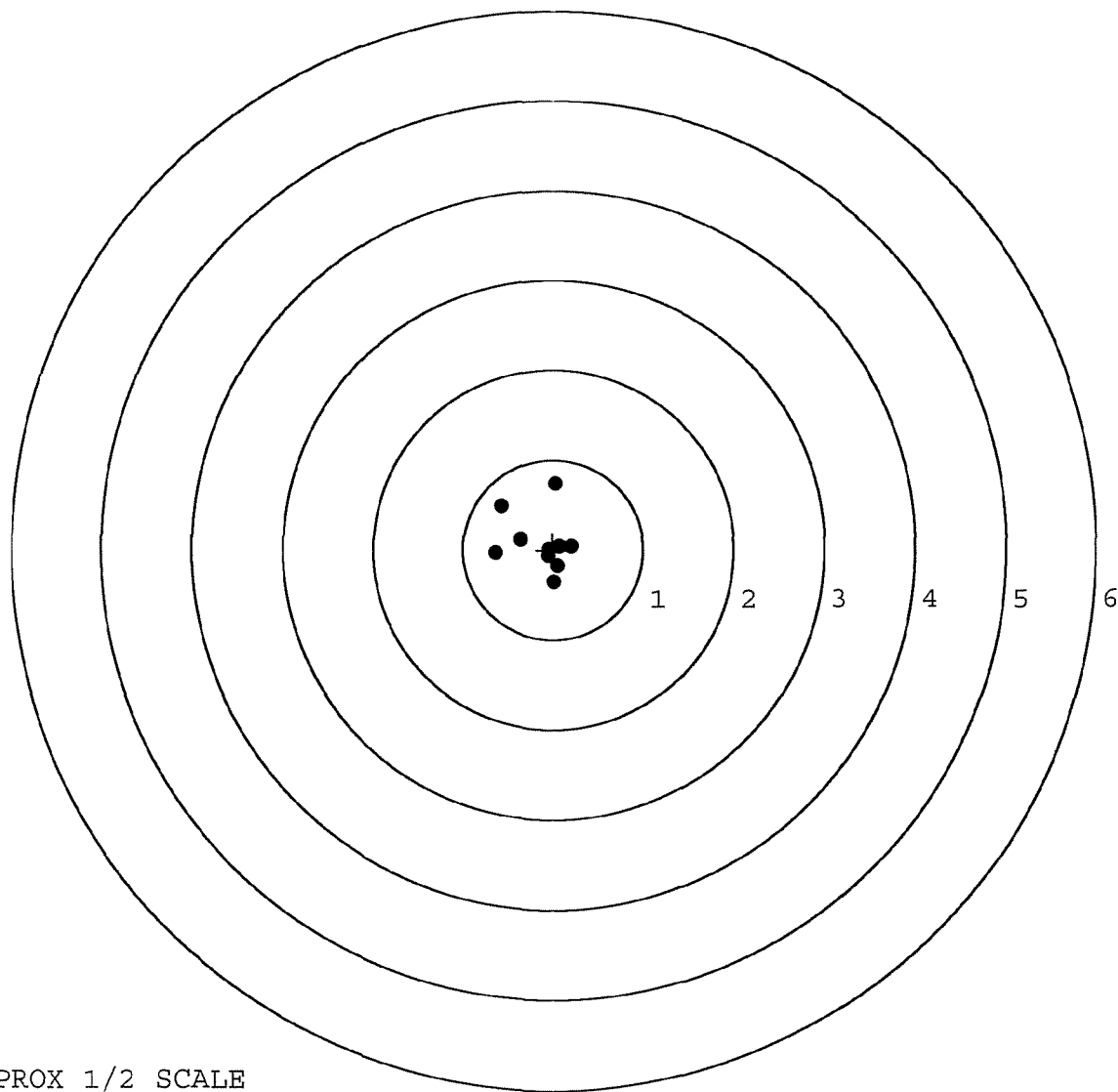
SERIAL NUMBER: C6594573.____0	<u>POINT#</u>	<u>X</u>	<u>Y</u>
TARGET NUMBER: 2	1:	-0.329	0.599
FILE DATE: 01/09/2002	2:	-0.615	0.161
FILE TIME: 02.36	3:	0.399	0.596

BARBER - M24 0021557

SERIAL NUMBER: C6594573. __0
 TARGET NUMBER: 3
 FILE DATE: 01/09/2002
 FILE TIME: 02:36

POINT#	X	Y
1:	0.027	0.739
2:	-0.578	0.484
3:	-0.637	-0.043
4:	-0.355	0.112
5:	0.017	-0.362
6:	-0.052	-0.069
7:	0.077	0.044
8:	0.059	-0.182
9:	0.207	0.042
10:	-0.046	-0.002

X CENTROID: -0.128
 Y CENTROID: 0.076
 POA TO CENTROID: 0.149
 HORZ SPREAD: 0.844
 VERT SPREAD: 1.101
 GROUP SPREAD: 1.101
 MIN RADIUS: 0.113
 MAX RADIUS: 0.681
 MEAN RADIUS: 0.364
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0021558

SERIAL NUMBER: C6594573. __0

TARGET NUMBER: 4

FILE DATE: 01/09/2002

FILE TIME: 02:36

POINT#	X	Y
1:	-0.496	0.188
2:	-0.543	0.045
3:	-0.677	-0.306
4:	0.099	0.721
5:	0.531	-0.145
6:	0.223	-0.050
7:	0.103	-0.565
8:	0.035	-0.276
9:	-0.015	-0.075
10:	0.090	-0.345

X CENTROID: -0.065

Y CENTROID: -0.081

POA TO CENTROID: 0.104

HORZ SPREAD: 1.208

VERT SPREAD: 1.286

GROUP SPREAD: 1.287

MIN RADIUS: 0.050

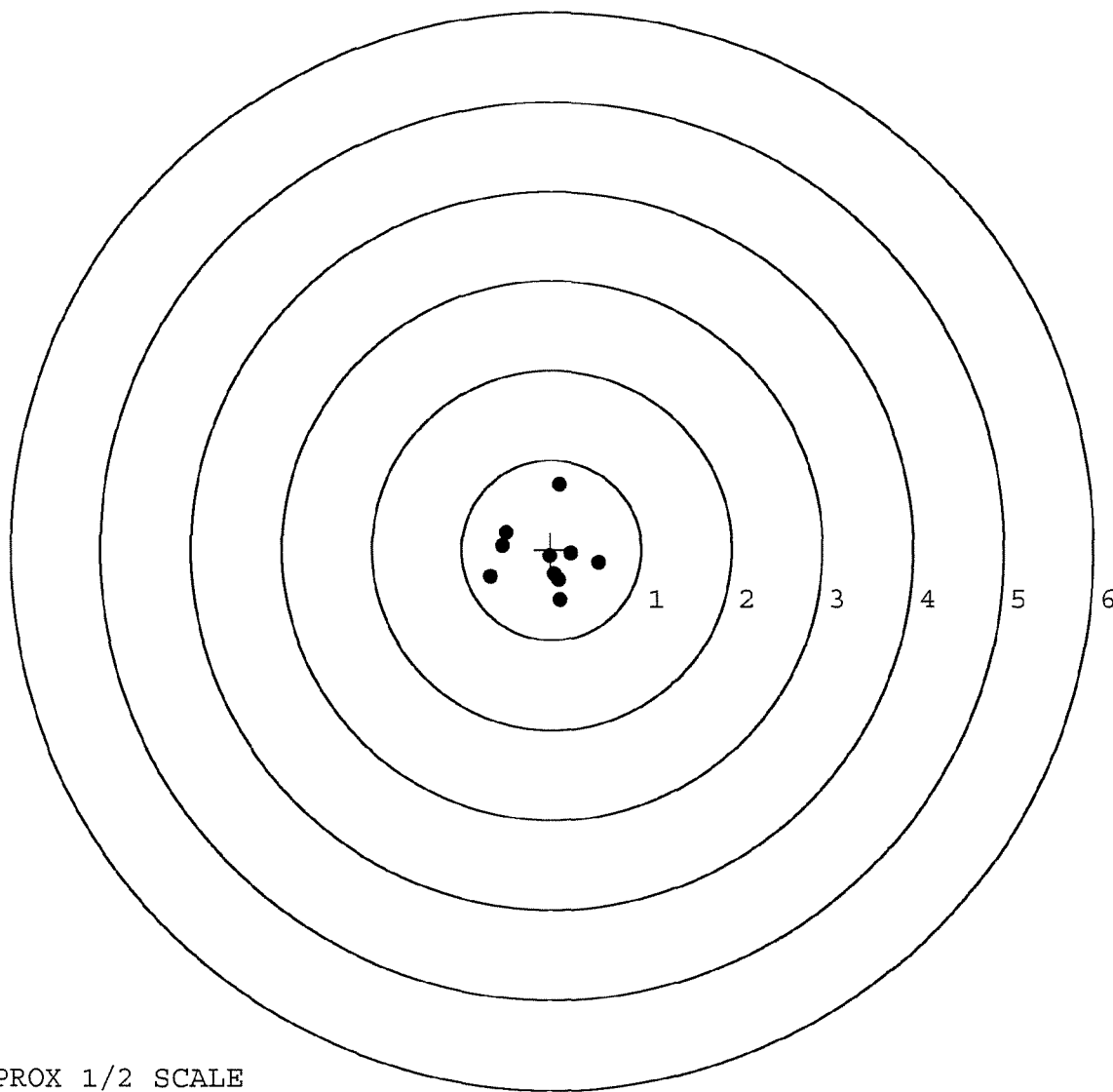
MAX RADIUS: 0.818

MEAN RADIUS: 0.445

IN 1 IN DIAMETER: 5

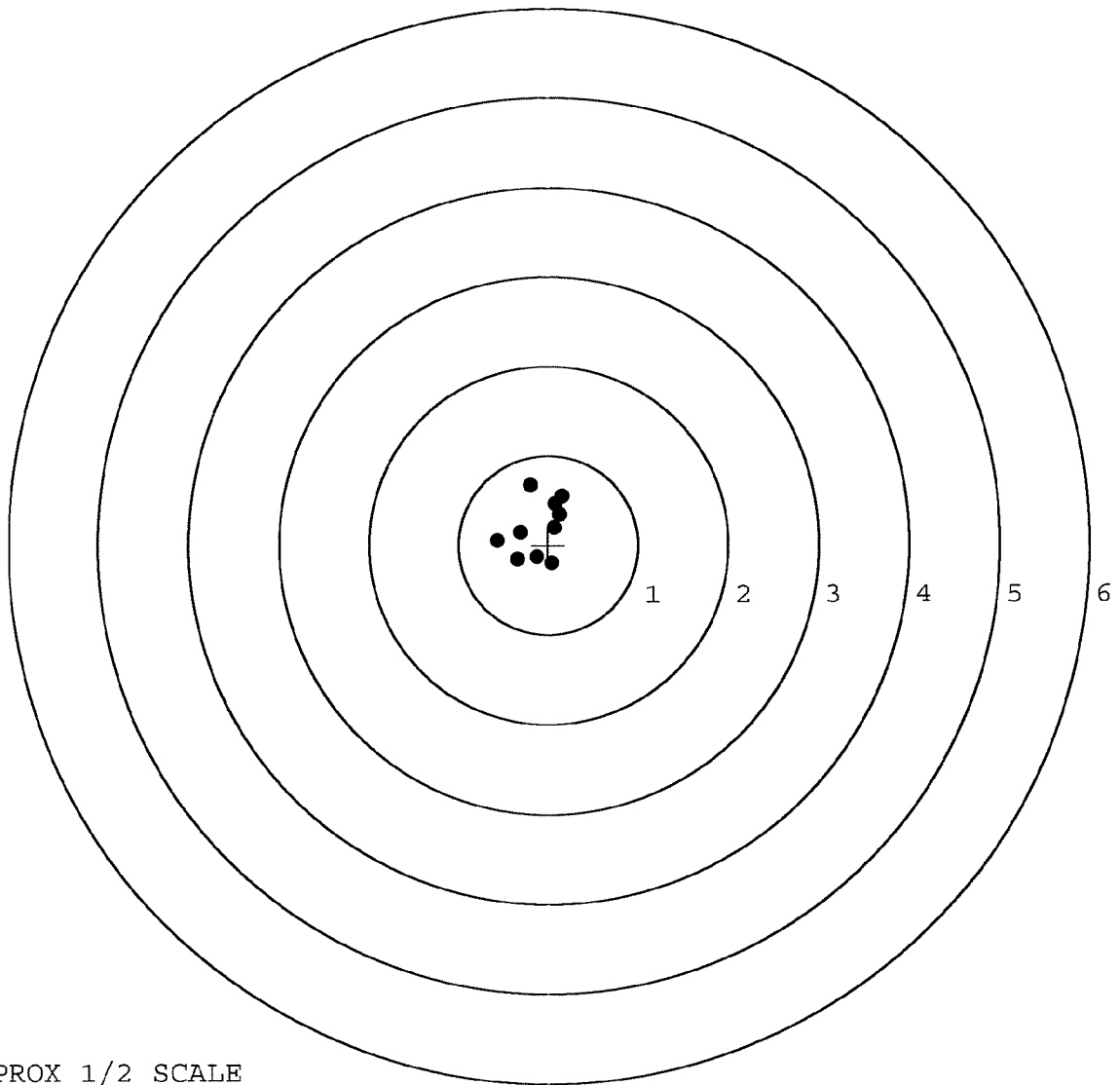
IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594573. 0	POINT#	X	Y
TARGET NUMBER: 5	1:	-0.203	0.672
FILE DATE: 01/09/2002	2:	-0.310	0.146
FILE TIME: 02:36	3:	-0.568	0.052
	4:	-0.346	-0.164
X CENTROID: -0.108	5:	-0.132	-0.136
Y CENTROID: 0.193	6:	0.046	-0.201
POA TO CENTROID: 0.221	7:	0.073	0.200
HORZ SPREAD: 0.727	8:	0.132	0.346
VERT SPREAD: 0.873	9:	0.159	0.552
GROUP SPREAD: 0.908	10:	0.074	0.464
MIN RADIUS: 0.181			
MAX RADIUS: 0.488			
MEAN RADIUS: 0.360			
# IN 1 IN DIAMETER: 10			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 38546			
SERIAL NUMBER C6594573			
LOG-IN DATE 1-2-02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	RTK
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	AC
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	83
618	ROTO-BLAST	1/7	HO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	EW
B	TRIGGER PULL TEST	N/C	
C	SAFETY "ON" FORCE	N/C	
D	SAFETY "OFF" FORCE	N/C	
E	FIRING PIN INDENT	N/C	
640	TARGET	1-9-02	AC
655	FINAL INSPECT	1-10-02	RTK
660	PACK	1-10-02	OH
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

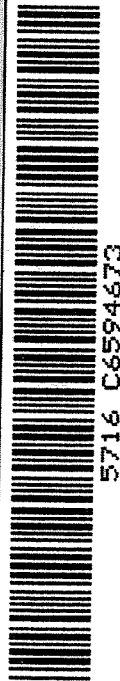
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

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

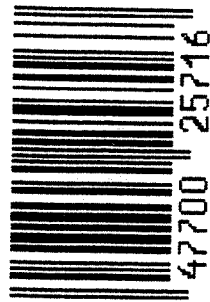
SERIAL NO.
 C6594673

ORDER NO.
5716

20



UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594673

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/21/90	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		11/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GB
617	Drill and Tap Sight Holes	1 10	91	EB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		12/22/91	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		9/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/23/91	KS
	C) Inspect Ejector Hole for Chamfer		9/23/91	KS
	D) Oil Firing Pin Ass'y		9/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/24/91	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			1/24/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			1/24/91	WB
	H) Trigger Pull Test & Retainability						1/24/91	RL
	I) Firing Pin Indent	.021	.0205	.0205			1/24/91	WB
	J) Assemble Stock						1/25/91	KS
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/25/91	KS
	M) Iron Sight Alignment						1/25/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/25/91	KS
	O) Attach Scope to Rifle						1/25/91	KS
	P) Detach & Attach Scope 20 Times						1/25/91	KS
640	Gallery Target & Test						1-28-91	DH
	A) Time						1-28-91	DH
	B) Malfunctions						1-28-91	DH
	C) Pierced Primers						1-28-91	DH
	D) Optical Clarity of Scope						1-28-91	DH
645	Inspect for Live Ammo						1-28-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.53	2.43	2.33	2.41	2.42	2-1-91	RL
	C) Function						2-4-91	AC
660	Pack						3/14/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594673

DATE 1-24-91

TESTER JG

	2.50#- INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.39	2.34	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.37	2.20	2.43	
PULL #3	2.32	2.27	2.21	2.33	
PULL #4	2.20	2.27	2.25	2.41	
PULL #5	2.23	2.32	2.25	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.38		
PULL #2	3.40	3.26		
PULL #3	3.33	3.40		
PULL #4	3.36	3.40		
PULL #5	3.36	3.40		
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	4.17		4.20
PULL #2	4.16	4.22		4.26
PULL #3	4.19	4.41		4.27
PULL #4	4.21	4.25		4.36
PULL #5	4.23	4.44		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594673
28 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.201804
1 TO	2	.175847
1 TO	3	.30284
1 TO	4	.265819
1 TO	5	.316538

51 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.019
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0544
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0576226
THE AMR FOR THIS RIFLE IS: .9916

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594673

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.381

VS = 2.327

GS = 2.634

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.320	1.378	.970
MINIMUM X	-1.061	-1.003	-.831
MAXIMUM Y	.971	.820	.842
MINIMUM Y	-1.357	-1.365	-1.343
CENTROID X	.150	.092	-.080
CENTROID Y	-.135	.016	-.006
POA TO CENTROID in.	.201	.093	.081
MIN RADIUS	.256	.267	.371
MEAN RADIUS	.996	.926	.867
MAX RADIUS	1.453	1.392	1.414
HORIZONTAL SPREAD	2.381	2.381	1.801
VERTICAL SPREAD	2.327	2.185	2.185
EXTREME SPREAD	2.634	2.634	2.342
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

28 Jan 1991

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.418

VS = 2.292

GS = 2.437

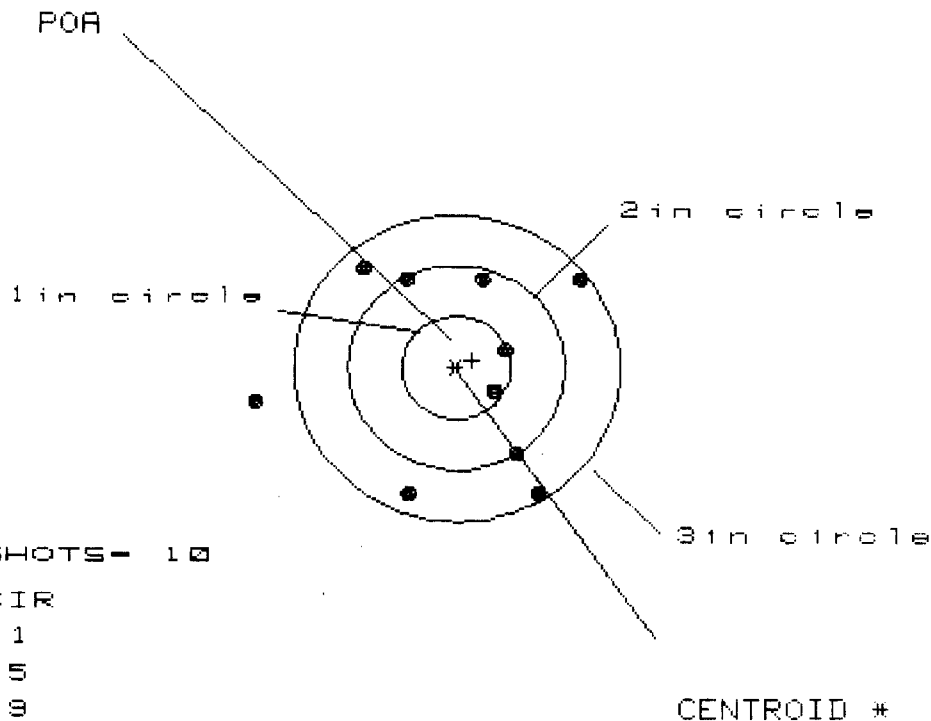
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.938	.773	.732
MINIMUM X	:	-1.480	-1.177	-1.218
MAXIMUM Y	:	1.295	1.326	.577
MINIMUM Y	:	-.997	-.966	-.800
CENTROID X	:	-.021	.144	.185
CENTROID Y	:	-.094	-.125	-.290
POA TO CENTROID in.	:	.096	.190	.344
MIN RADIUS	:	.489	.646	.600
MEAN RADIUS	:	.987	.906	.829
MAX RADIUS	:	1.506	1.366	1.313
HORIZONTAL SPREAD	:	2.418	1.950	1.950
VERTICAL SPREAD	:	2.292	2.292	1.377
EXTREME SPREAD	:	2.437	2.398	2.020
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

28 Jan 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 5

3 in - 9

HS - 3.023

VS - 2.273

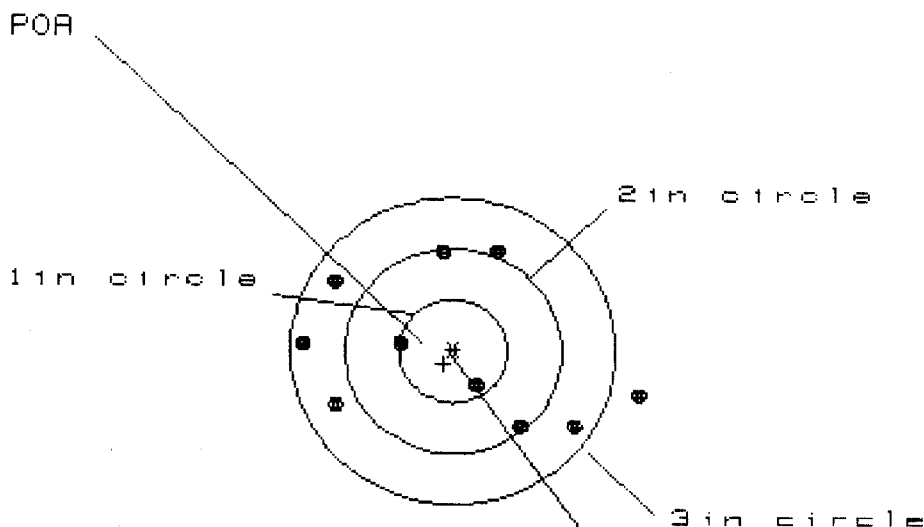
GS - 3.270

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	.954	.698
MINIMUM X	-1.862	-1.076	-.957
MAXIMUM Y	.999	.962	1.071
MINIMUM Y	-1.274	-1.311	-1.202
CENTROID X	-.146	.061	-.058
CENTROID Y	-.071	-.034	-.143
POA TO CENTROID in.	.162	.070	.155
MIN RADIUS	.455	.307	.342
MEAN RADIUS	1.131	1.003	.975
MAX RADIUS	1.892	1.452	1.437
HORIZONTAL SPREAD	3.023	2.030	1.655
VERTICAL SPREAD	2.273	2.273	2.273
EXTREME SPREAD	3.270	2.739	2.739
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594673

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 3.090

VS= 1.749

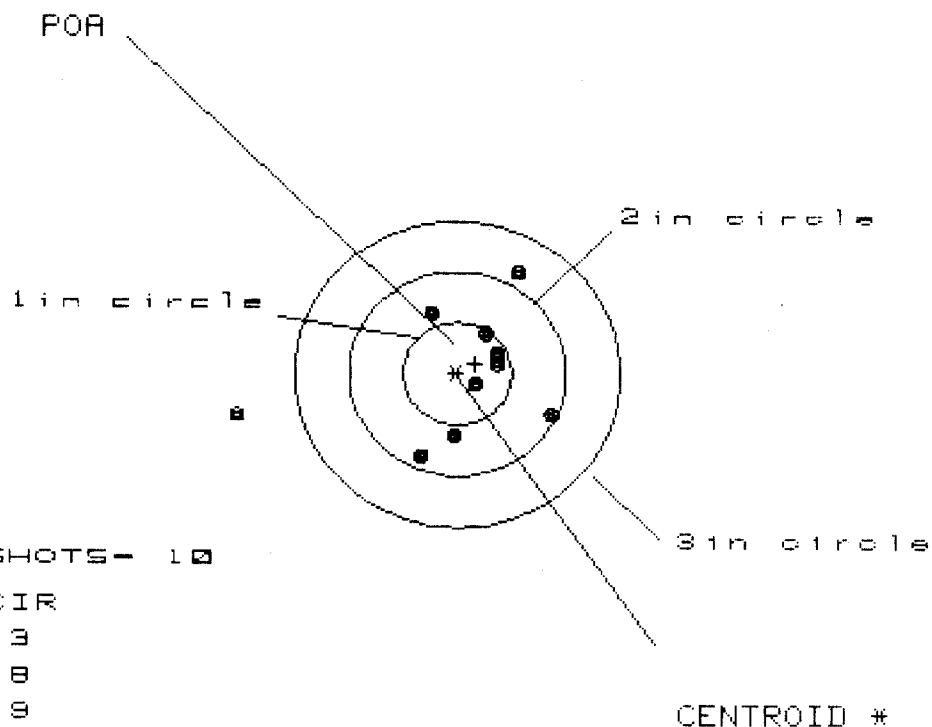
GS= 3.124

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.700	1.330	1.180
MINIMUM X	-1.390	-1.202	-1.054
MAXIMUM Y	1.001	.957	.961
MINIMUM Y	-.748	-.792	-.788
CENTROID X	.086	-.102	.048
CENTROID Y	.123	.167	.163
POA TO CENTROID in.	.151	.196	.170
MIN RADIUS	.398	.293	.441
MEAN RADIUS	1.083	.988	.960
MAX RADIUS	1.744	1.548	1.419
HORIZONTAL SPREAD	3.090	2.532	2.234
VERTICAL SPREAD	1.749	1.749	1.749
EXTREME SPREAD	3.124	2.661	2.624
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

28 Jan 1991

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CENTERFIRE PATTERNS # 5



HS= 2.855
 VS= 1.761
 GS= 2.926

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.853	.630	.675
MINIMUM X	:	-2.002	-.550	-.505
MAXIMUM Y	:	.963	.918	.698
MINIMUM Y	:	-.798	-.843	-.729
CENTROID X	:	-.164	.059	.014
CENTROID Y	:	-.095	-.050	-.164
POA TO CENTROID in.	:	.189	.077	.165
MIN RADIUS	:	.158	.133	.067
MEAN RADIUS	:	.761	.556	.505
MAX RADIUS	:	2.044	1.007	.887
HORIZONTAL SPREAD	:	2.855	1.180	1.180
VERTICAL SPREAD	:	1.761	1.761	1.427
EXTREME SPREAD	:	2.926	1.982	1.450
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	