

C6611584

MODEL 700TM M24

Model S&STM

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



Repair Number: RE00103095

Serial: C6611584 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 05/18/1991

Repairman:

Verify Repair:

Status:

Closed 11/1/2005 3:10:10 PM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: JERRY NELSON STTD

JERRY NELSON STTD

Address 1: 1401 ARTILLERY CIRCLE

1401 ARTILLERY CIRCLE

Address 2: ATTN SUPPLY BLDG 978

P.O. Box:

ATTN SUPPLY BLDG 978

P.O. Box:

City: FORT LEONARD WOOD

FORT LEONARD WOOD

State: MO

Zip Code: 65473

Country: US

State: MO

Zip Code: 65473

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 800-243-9700

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

Inqlejt

11/2/2005

7:21 AM

CAPS

NUM

JNS

SCPL

start

2

Arms Services

5

3

Serial Number: C6611584

Model: M24 SWS



RE00103095

DA FORM 2407, JUL 94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611584.__0
FILE DATE AND TIME: 11/18/2005 14:32

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

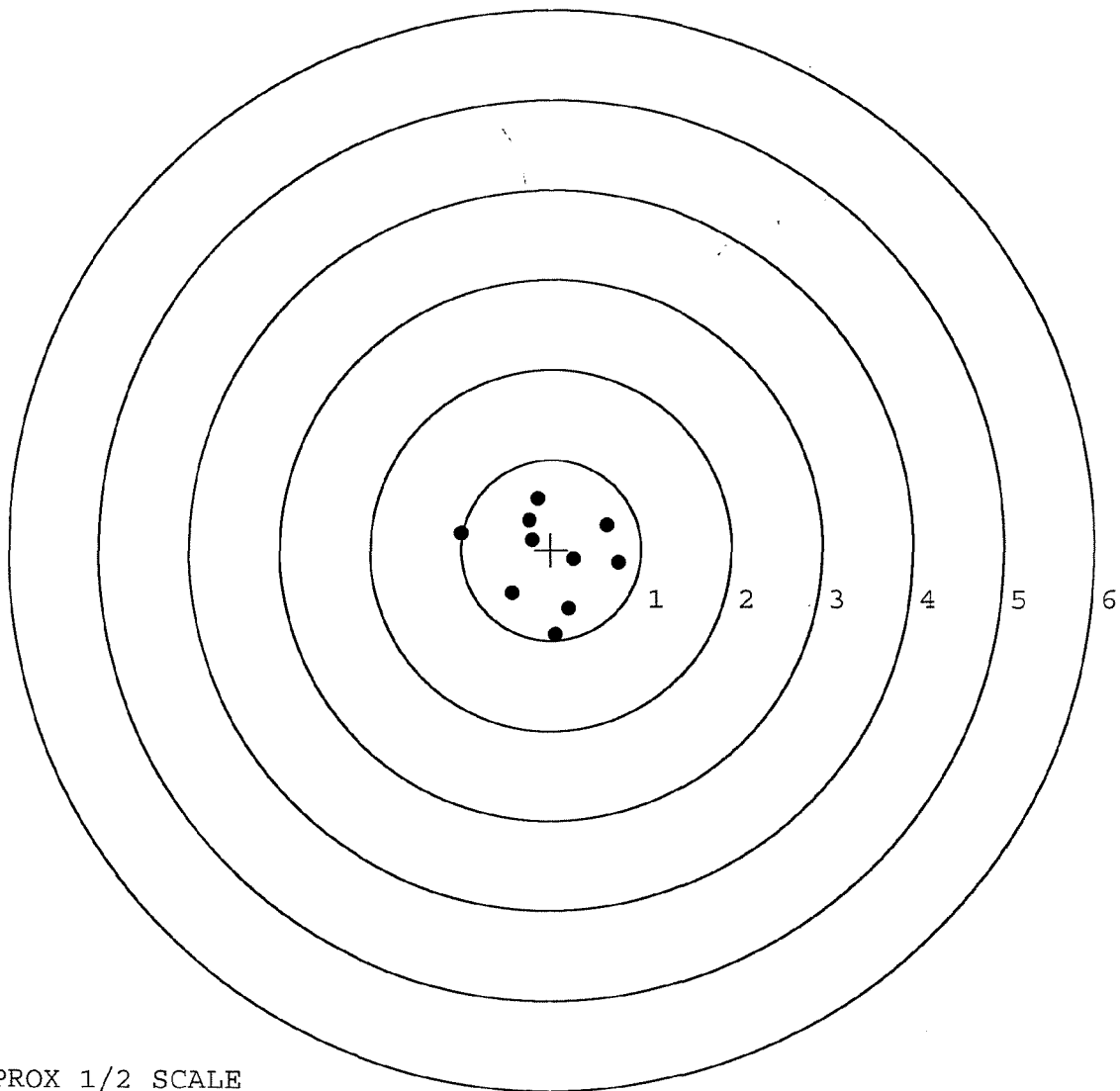
The Average X Centroid of the Five Target Set:	-0.078
The Average Y Centroid of the Five Target Set:	-0.034
The Average Point of Impact of the Five Target Set:	0.085
The Average Mean Radius of the Five Target Set:	0.627
The Distance from POA to Centroid Target #1:	0.087
The Distance from Centroid Target #2 to Centroid Target #1:	0.131
The Distance from Centroid Target #3 to Centroid Target #1:	0.065
The Distance from Centroid Target #4 to Centroid Target #1:	0.136
The Distance from Centroid Target #5 to Centroid Target #1:	0.163

BARBER - M24 0079147

SERIAL NUMBER: C6611584. __0
 TARGET NUMBER: 1
 FILE DATE: 11/18/2005
 FILE TIME: 14:32

POINT#	X	Y
1:	0.050	-0.941
2:	0.202	-0.659
3:	-0.432	-0.484
4:	0.624	0.272
5:	-0.153	0.572
6:	-0.241	0.331
7:	-0.212	0.113
8:	-0.996	0.193
9:	0.257	-0.108
10:	0.757	-0.149

X CENTROID: -0.014
 Y CENTROID: -0.086
 POA TO CENTROID: 0.087
 HORZ SPREAD: 1.753
 VERT SPREAD: 1.513
 GROUP SPREAD: 1.786
 MIN RADIUS: 0.272
 MAX RADIUS: 1.020
 MEAN RADIUS: 0.627
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



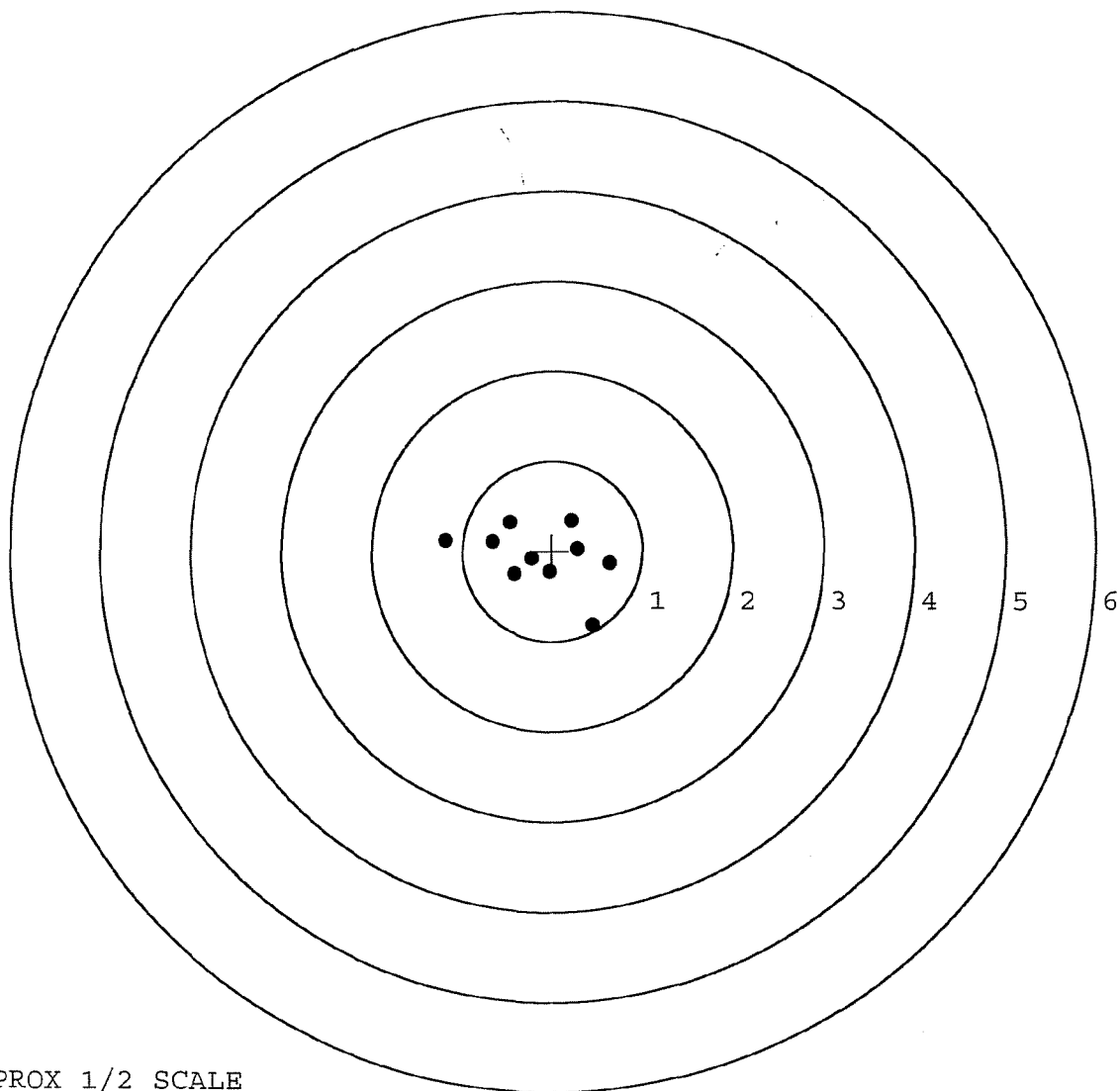
TARGET APPROX 1/2 SCALE

BARBER - M24 0079148

SERIAL NUMBER: C6611584. __0
 TARGET NUMBER: 2
 FILE DATE: 11/18/2005
 FILE TIME: 14:32

POINT#	X	Y
1:	0.447	-0.826
2:	0.646	-0.138
3:	0.278	0.023
4:	0.212	0.338
5:	-0.474	0.317
6:	-0.668	0.102
7:	-1.192	0.114
8:	-0.423	-0.256
9:	-0.230	-0.086
10:	-0.030	-0.230

X CENTROID: -0.143
 Y CENTROID: -0.064
 POA TO CENTROID: 0.157
 HORZ SPREAD: 1.838
 VERT SPREAD: 1.164
 GROUP SPREAD: 1.889
 MIN RADIUS: 0.089
 MAX RADIUS: 1.064
 MEAN RADIUS: 0.547
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



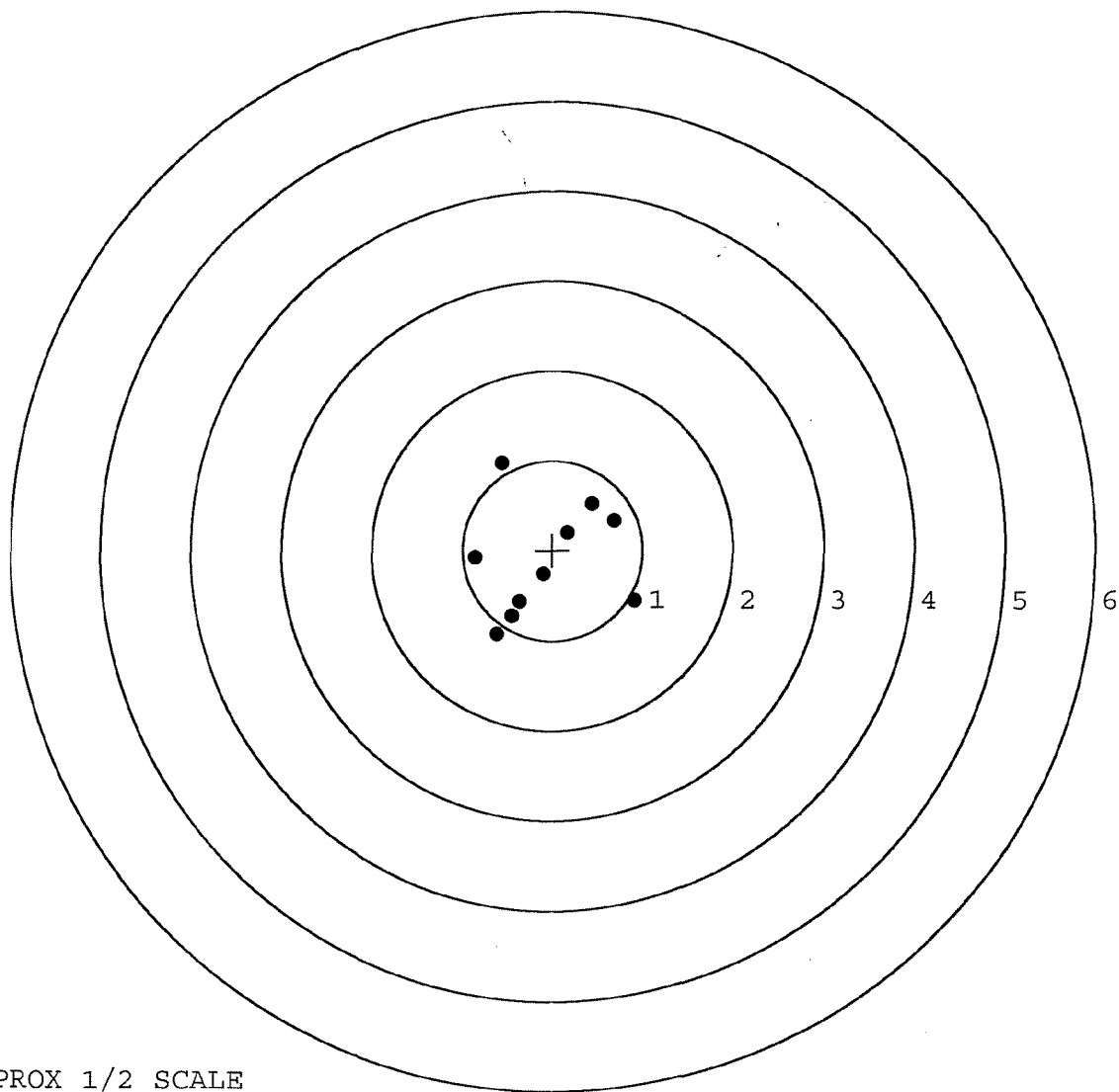
TARGET APPROX 1/2 SCALE

BARBER - M24 0079149

SERIAL NUMBER: C6611584. __0
 TARGET NUMBER: 3
 FILE DATE: 11/18/2005
 FILE TIME: 14:32

POINT#	X	Y
1:	0.907	-0.562
2:	0.689	0.332
3:	0.446	0.519
4:	0.167	0.198
5:	-0.094	-0.270
6:	-0.366	-0.573
7:	-0.447	-0.728
8:	-0.624	-0.928
9:	-0.855	-0.082
10:	-0.565	0.975

X CENTROID: -0.074
 Y CENTROID: -0.112
 POA TO CENTROID: 0.134
 HORZ SPREAD: 1.762
 VERT SPREAD: 1.903
 GROUP SPREAD: 2.128
 MIN RADIUS: 0.159
 MAX RADIUS: 1.193
 MEAN RADIUS: 0.756
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0079150

SERIAL NUMBER: C6611584. __0

TARGET NUMBER: 4

FILE DATE: 11/18/2005

FILE TIME: 14:32

POINT#	X	Y
1:	-0.067	-0.659
2:	-0.011	-0.434
3:	0.126	-0.286
4:	-0.324	-0.098
5:	0.178	0.275
6:	0.113	0.415
7:	-0.135	0.407
8:	-0.316	0.390
9:	-0.144	0.188
10:	0.069	0.247

X CENTROID: -0.051

Y CENTROID: 0.044

POA TO CENTROID: 0.068

HORZ SPREAD: 0.502

VERT SPREAD: 1.074

GROUP SPREAD: 1.089

MIN RADIUS: 0.171

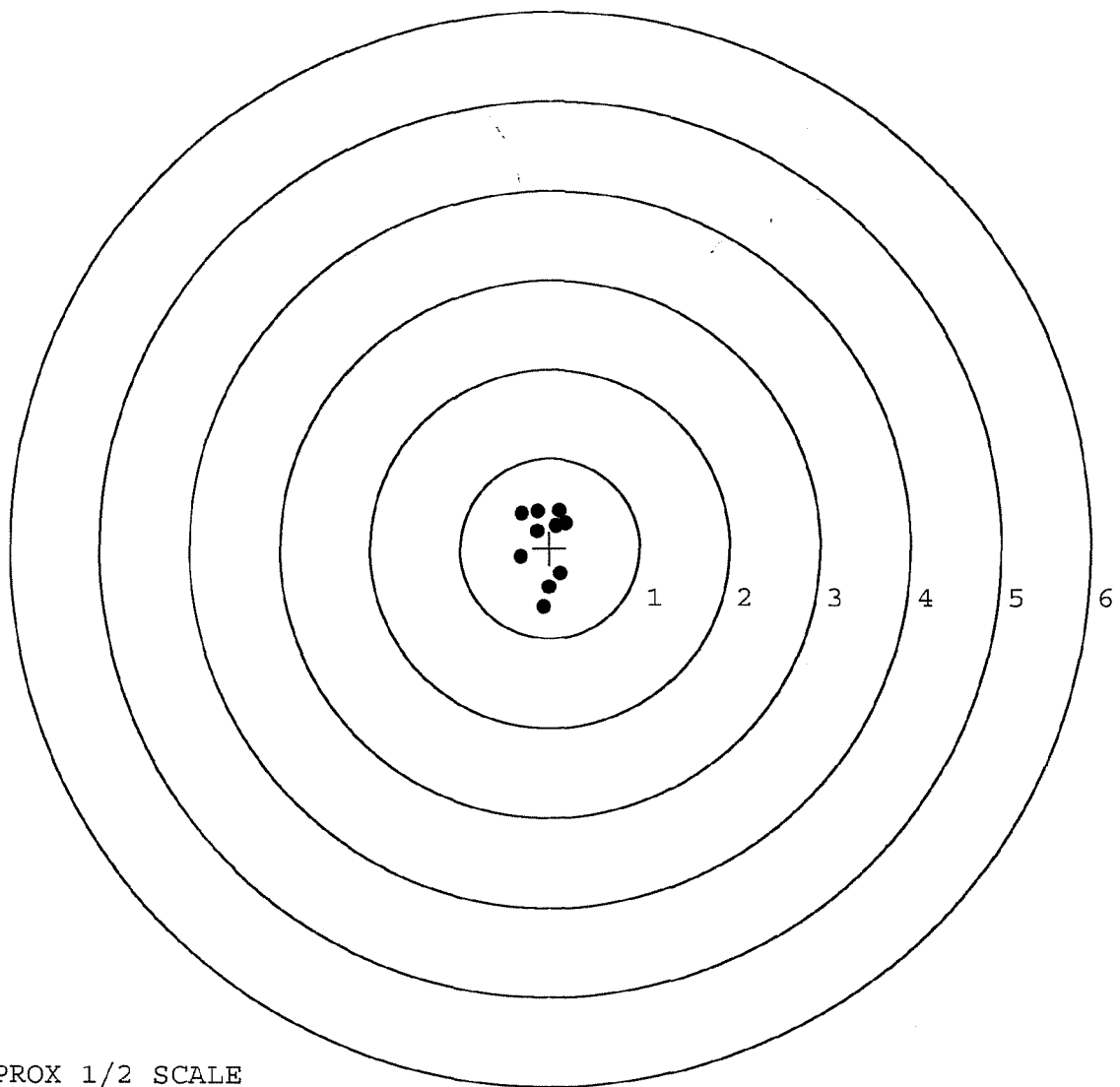
MAX RADIUS: 0.704

MEAN RADIUS: 0.381

IN 1 IN DIAMETER: 9

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0079151

SERIAL NUMBER: C6611584. 0

TARGET NUMBER: 5

FILE DATE: 11/18/2005

FILE TIME: 14:32

POINT#	X	Y
1:	0.841	-0.167
2:	0.546	0.525
3:	0.217	0.628
4:	-0.010	0.676
5:	-0.393	0.475
6:	-0.462	-0.162
7:	-0.827	-0.348
8:	-1.390	-0.641
9:	0.373	-1.165
10:	0.044	0.662

X CENTROID: -0.106

Y CENTROID: 0.048

POA TO CENTROID: 0.117

HORZ SPREAD: 2.231

VERT SPREAD: 1.841

GROUP SPREAD: 2.281

MIN RADIUS: 0.413

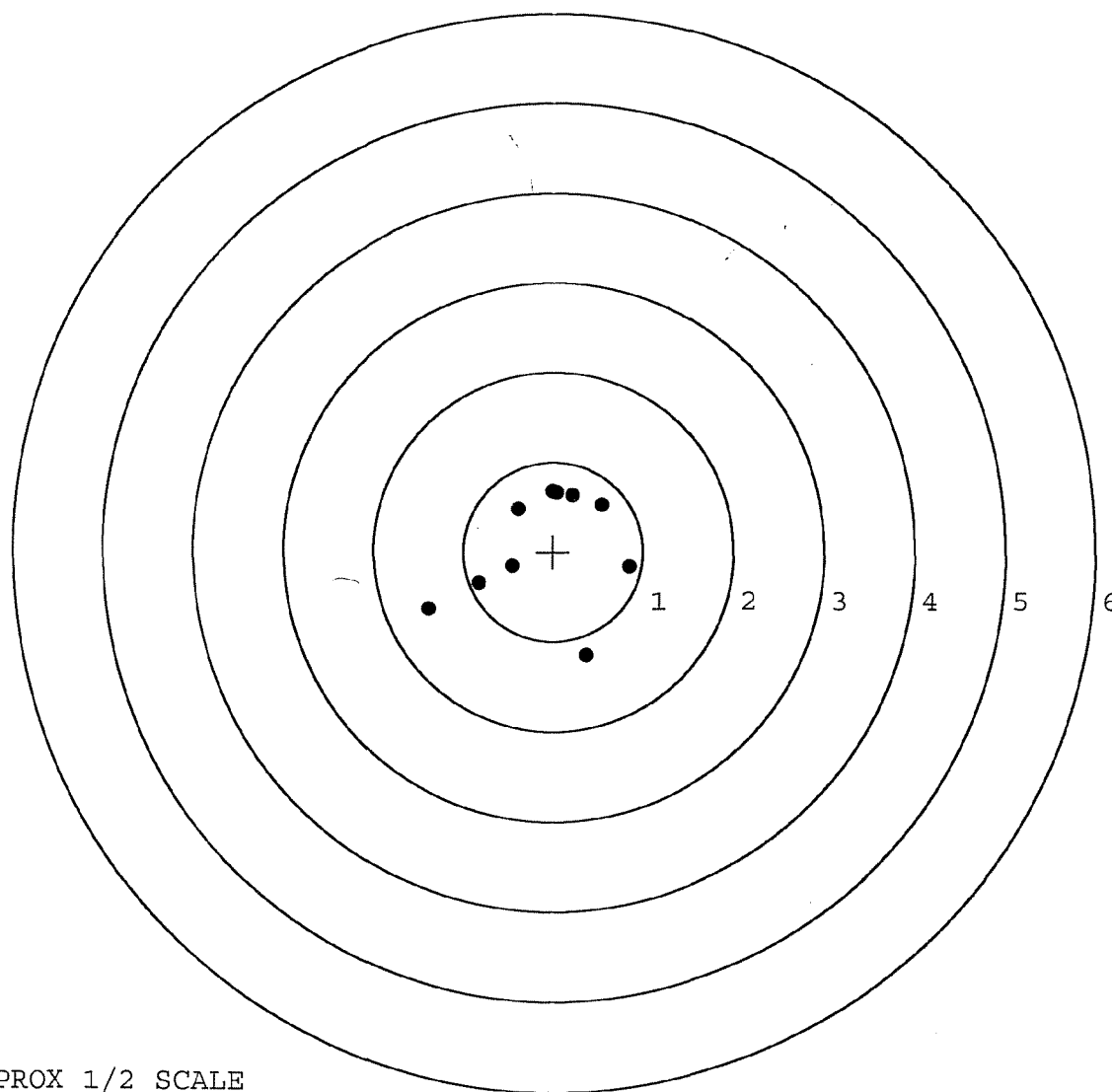
MAX RADIUS: 1.457

MEAN RADIUS: 0.822

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	103093			
SERIAL NUMBER	C6001584			
LOG-IN DATE	11-1-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-7-05	RTZ
505	RE-BARREL		11-9-05	RTZ
560	ASSEMBLE		11-9-05	CD
600	PROOF	MAGNA-FLUX INSPECTED	11-9-05	CD
605	CHECK HEADSPACE		11-9-05	CD
610	DIS-ASSEMBLE GUN		11-9-05	CD
612	MAGNAFLUX	OPERATOR <u>Wend</u>	11/10/05	Wend
510	DRILL AND TAP		11-10-05	BR
615	ROLLMARK CALIBER		11-10-05	CW
618	ROTO-BLAST		11-14-05	LB
620	APPLY COATINGS		11/15/05	ASP
625	FINAL ASSEMBLY		11-16-05	RTZ
640	FUNCTION TEST AND	PASS FAIL	11-18-05	TRW
650	TARGET	PASS FAIL	11-18-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-18-05	TRW
	A) HEADSPACE	PASS FAIL	11-18-05	Ac
	B) TRIGGER PULL			
		+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	11-18-05
	G) SAFETY OFF FORCE	2 LBS MIN	2 lbs 2 lbs 2 lbs	11-18-05
	I) FIRING PIN INDENT	.020	.026 .026 .026	11-18-05
690	PACK		11-3-05	BT

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6611584
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611584



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611584

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28 91		RW
600	Proof	3 28 91		RW
607	Check Headspace	3 28 91		RW
610	Dis-assemble Gun	3 28 91		RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	CC
615	Rollmark Caliber	APR	2 1991	JS
617	Drill and Tap Sight Holes	APR	5 1991	FB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4/10/91	JA
	Apply Coating (Bolt)			JA
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/12/91	JA

op. #	BARBER - M24 0079155 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/15/91	JK
	G) Safety Off Force	3	3	3			4/15/91	JK
	H) Trigger Pull Test & Retainability						4/12/91	
	I) Firing Pin Indent	.021	.022	.022			4/15/91	JK
	J) Assemble Stock						4/15/91	RW
	K) Assemble Swivel Studs						4-17-91	JK
	L) Attach Front and Rear Sight Assemblies						4/15/91	RW
	M) Iron Sight Alignment						4/15/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/15/91	RW
	O) Attach Scope to Rifle						4/15/91	RW
	P) Detach & Attach Scope 20 Times						4/15/91	RW
640	Gallery Target & Test						4-16-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						4-16-91	NF
655	Final Inspection							
	A) Headspace						4-17-91	JK
	B) Trigger Pull	2.27	2.30	2.33	2.31	2.34	4/17/91	JK
	C) Function						4-17-91	JK
660	Pack						6-17-91	NF

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

SERIAL NO. C6611584DATE 4/12/91TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.53	2.21	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.39	2.21	2.30	
PULL #3	2.23	2.43	2.28	2.33	
PULL #4	2.24	2.42	2.34	2.31	
PULL #5	2.22	2.42	2.31	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.40		
PULL #2	3.34	3.19		
PULL #3	3.34	3.46		
PULL #4	3.27	3.35		
PULL #5	3.33	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.25		4.37
PULL #2	4.47	4.34		4.38
PULL #3	4.31	4.28		4.39
PULL #4	4.26	4.38		4.39
PULL #5	4.21	4.28		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611584
16 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.452206
1 TO	2	.321447
1 TO	3	.412612
1 TO	4	.484883
1 TO	5	.492345

$\bar{x}_4$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2298
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0096
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .23
THE AMR FOR THIS RIFLE IS: 1.003

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611584

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 6

HS= 2.941

VS= 1.800

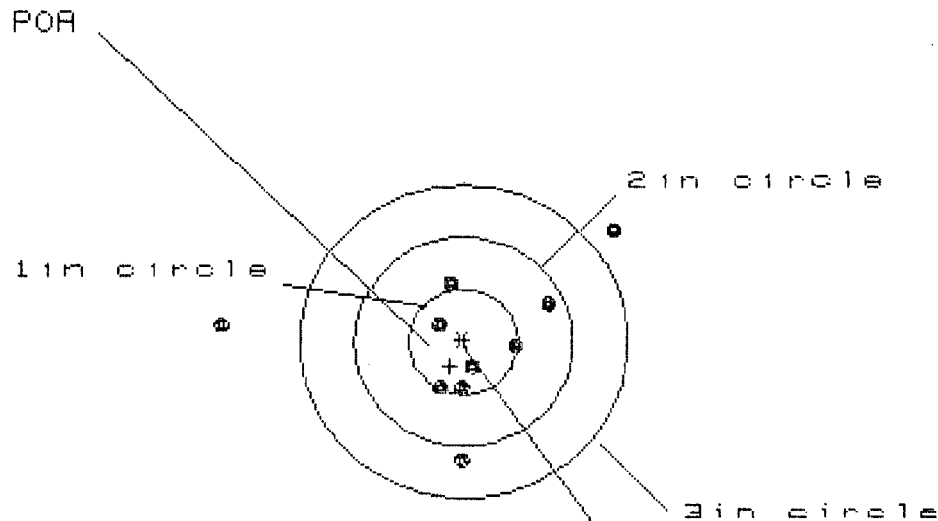
GS= 3.149

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.592	1.756	1.878
MINIMUM X	-1.349	-1.172	-.953
MAXIMUM Y	.757	.820	.827
MINIMUM Y	-1.043	-.980	-.973
CENTROID X	.429	.252	.033
CENTROID Y	.143	.080	.073
POA TO CENTROID in.	.452	.265	.080
MIN RADIUS	.645	.778	.701
MEAN RADIUS	1.261	1.196	1.090
MAX RADIUS	1.688	1.757	1.894
HORIZONTAL SPREAD	2.941	2.928	2.831
VERTICAL SPREAD	1.800	1.800	1.800
EXTREME SPREAD	3.149	2.979	2.958
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	6		

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611584

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 3.594

VS= 2.187

GS= 3.697

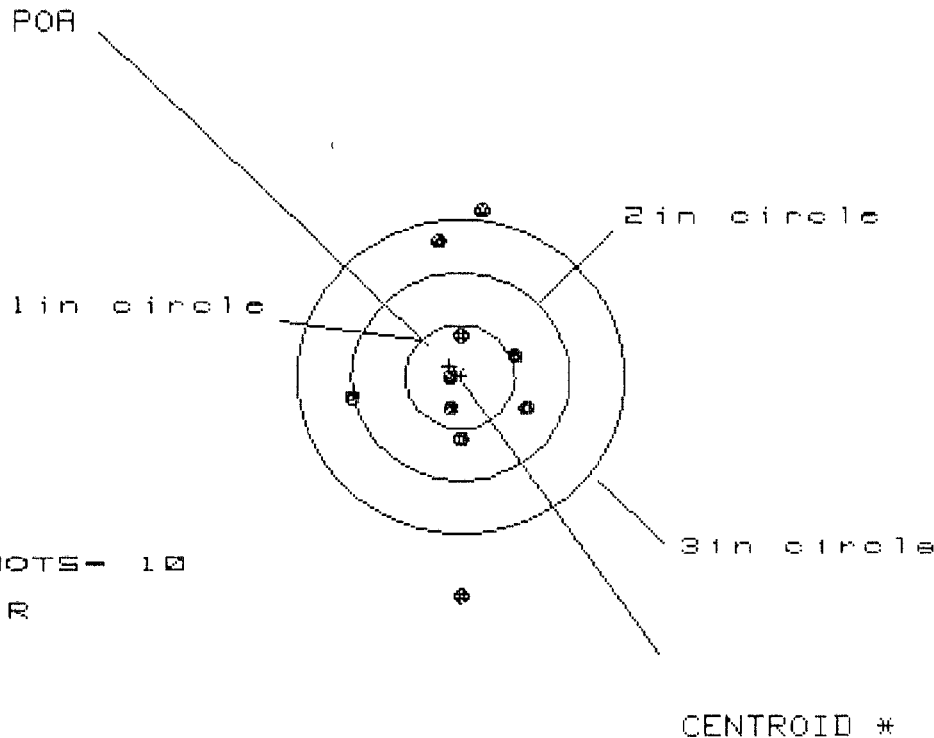
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.388	1.143	.630
MINIMUM X	:	-2.206	-.494	-.351
MAXIMUM Y	:	1.056	1.077	.724
MINIMUM Y	:	-1.131	-1.110	-.975
CENTROID X	:	.121	.366	.223
CENTROID Y	:	.235	.214	.079
POA TO CENTROID in.	:	.264	.424	.237
MIN RADIUS	:	.268	.252	.086
MEAN RADIUS	:	.844	.680	.526
MAX RADIUS	:	2.214	1.571	.980
HORIZONTAL SPREAD	:	3.594	1.637	.981
VERTICAL SPREAD	:	2.187	2.187	1.699
EXTREME SPREAD	:	3.697	2.588	1.702
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611564

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.547

VS= 3.730

GS= 3.732

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.596	.600	.622
MINIMUM X	-.951	-.947	-.924
MAXIMUM Y	1.615	1.380	1.256
MINIMUM Y	-2.115	-.798	-.626
CENTROID X	.097	.093	.070
CENTROID Y	-.102	.133	-.040
POA TO CENTROID in.	.141	.162	.081
MIN RADIUS	.052	.131	.079
MEAN RADIUS	.860	.735	.615
MAX RADIUS	2.115	1.391	1.269
HORIZONTAL SPREAD	1.547	1.547	1.547
VERTICAL SPREAD	3.730	2.178	1.881
EXTREME SPREAD	3.732	2.183	1.897
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811584

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.471

VS= 3.217

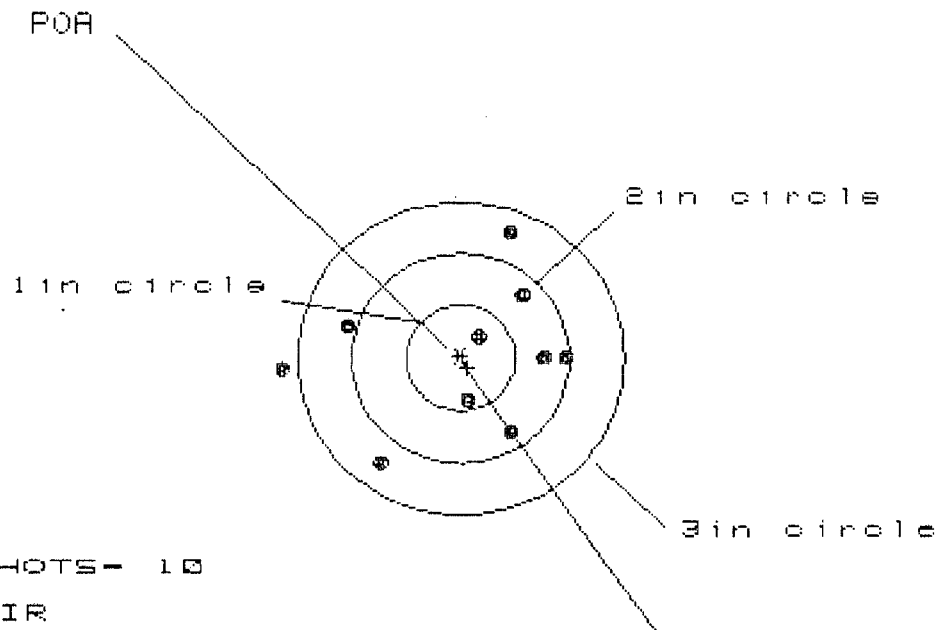
GS= 3.313

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.277	.853	.932
MINIMUM X	:	-1.194	-1.052	-.973
MAXIMUM Y	:	1.592	.940	.759
MINIMUM Y	:	-1.625	-1.448	-1.321
CENTROID X	:	.563	.421	.342
CENTROID Y	:	-.323	-.500	-.319
POA TO CENTROID in.	:	.649	.653	.468
MIN RADIUS	:	.265	.406	.241
MEAN RADIUS	:	1.125	1.022	.895
MAX RADIUS	:	2.041	1.579	1.481
HORIZONTAL SPREAD	:	2.471	1.905	1.905
VERTICAL SPREAD	:	3.217	2.388	2.080
EXTREME SPREAD	:	3.313	2.607	2.311
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611584

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.561

VS= 2.202

GS= 2.563

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.958	.780	.814
MINIMUM X	-1.603	-1.186	-1.152
MAXIMUM Y	1.178	1.162	.767
MINIMUM Y	-1.024	-1.040	-.895
CENTROID X	-.061	.117	.083
CENTROID Y	.095	.111	-.034
POA TO CENTROID in.	.113	.162	.090
MIN RADIUS	.264	.153	.300
MEAN RADIUS	.923	.804	.756
MAX RADIUS	1.610	1.381	1.251
HORIZONTAL SPREAD	2.561	1.966	1.966
VERTICAL SPREAD	2.202	2.202	1.662
EXTREME SPREAD	2.563	2.501	2.085
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		