

C6594570

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00084766

Serial: C6594570 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 9/10/2004 7:37:54 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: FRANCES WEATHINGTON

FRANCES WEATHINGTON

Address 2: DEF DIST DEPOT

DEF DIST DEPOT

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

Country: US

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3
A026	Scope	1
A045	Bi Pod	1

Repair Search

Refresh

Close

Inqlet

9/10/2004

8:06 AM

CAPS

NUM

INS

SCRL

start

3

4

Arms Ser

4

2

3

CM

Serial Number: C6594570
Model: M24 SWS
RE00084766

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594570.__0
FILE DATE AND TIME: 10/06/2004 10:55

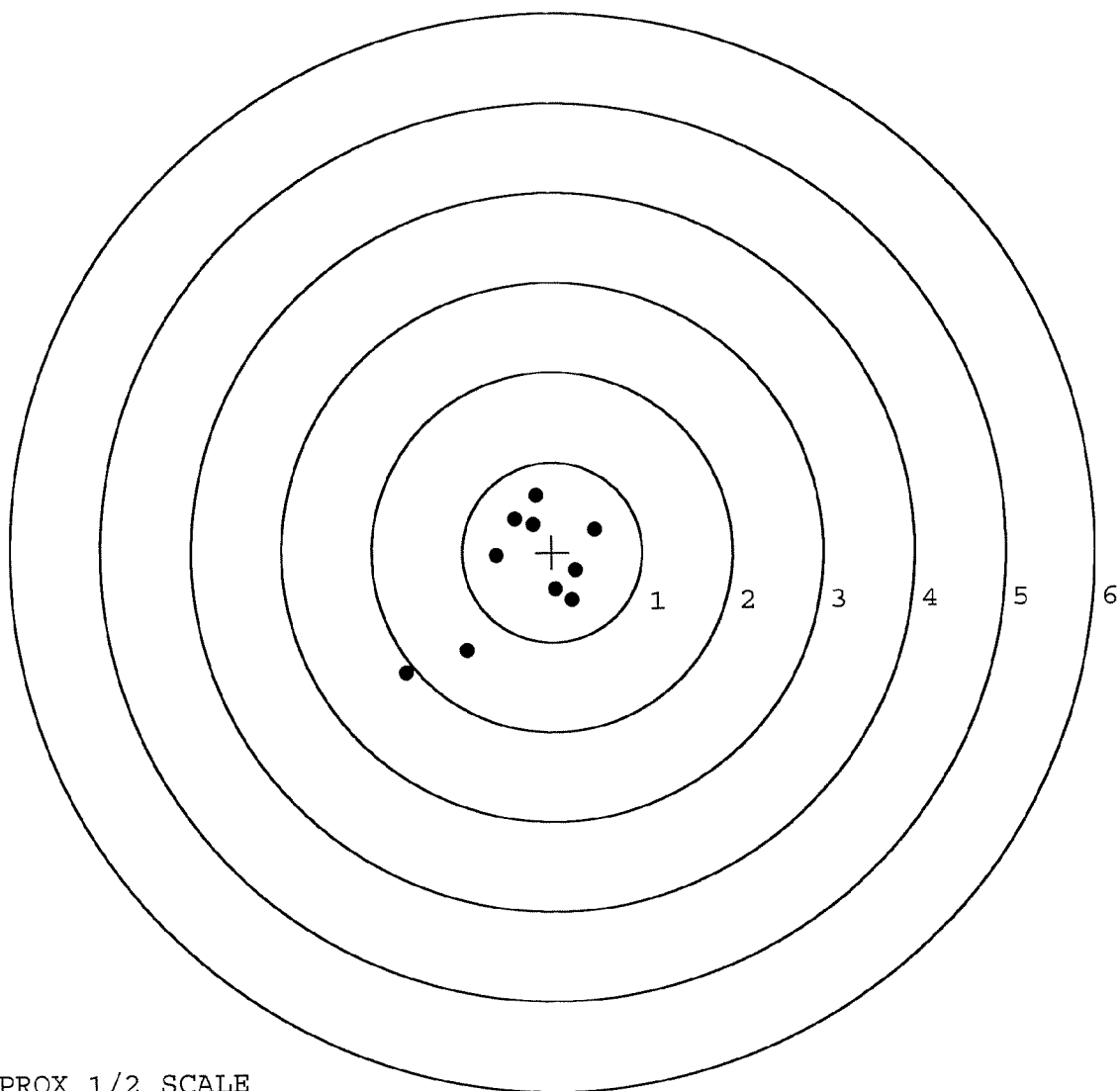
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.125
The Average Y Centroid of the Five Target Set:	-0.125
The Average Point of Impact of the Five Target Set:	0.176
The Average Mean Radius of the Five Target Set:	0.804
The Distance from POA to Centroid Target #1:	0.367
The Distance from Centroid Target #2 to Centroid Target #1:	0.181
The Distance from Centroid Target #3 to Centroid Target #1:	0.177
The Distance from Centroid Target #4 to Centroid Target #1:	0.385
The Distance from Centroid Target #5 to Centroid Target #1:	0.459

SERIAL NUMBER: C6594570. __0
 TARGET NUMBER: 1
 FILE DATE: 10/06/2004
 FILE TIME: 10:55

POINT#	X	Y
1:	0.478	0.249
2:	0.256	-0.204
3:	0.216	-0.534
4:	0.037	-0.419
5:	-0.959	-1.091
6:	-1.630	-1.336
7:	-0.626	-0.040
8:	-0.213	0.308
9:	-0.415	0.367
10:	-0.177	0.633

X CENTROID: -0.303
 Y CENTROID: -0.207
 POA TO CENTROID: 0.367
 HORZ SPREAD: 2.108
 VERT SPREAD: 1.969
 GROUP SPREAD: 2.637
 MIN RADIUS: 0.363
 MAX RADIUS: 1.742
 MEAN RADIUS: 0.764
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0

TARGET NUMBER: 2

FILE DATE: 10/06/2004

FILE TIME: 10:55

X CENTROID: -0.221

Y CENTROID: -0.368

POA TO CENTROID: 0.429

HORZ SPREAD: 2.542

VERT SPREAD: 2.192

GROUP SPREAD: 3.018

MIN RADIUS: 0.197

MAX RADIUS: 1.633

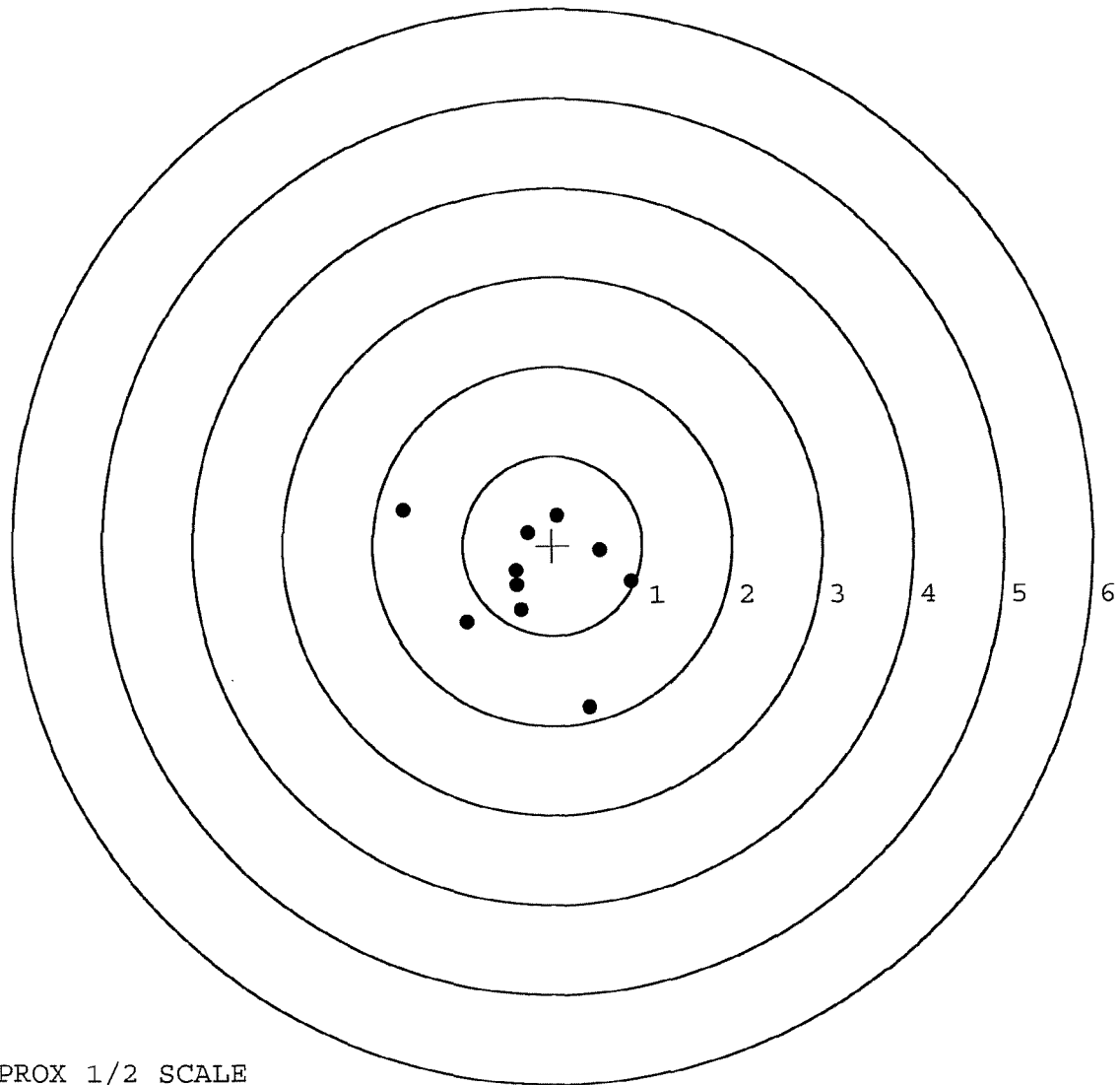
MEAN RADIUS: 0.805

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.411	-1.795
2:	0.878	-0.406
3:	0.527	-0.051
4:	0.047	0.338
5:	-0.283	0.146
6:	-0.411	-0.286
7:	-0.403	-0.444
8:	-0.356	-0.722
9:	-0.959	-0.856
10:	-1.664	0.397



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0

TARGET NUMBER: 3

FILE DATE: 10/06/2004

FILE TIME: 10:55

X CENTROID: -0.202

Y CENTROID: -0.062

POA TO CENTROID: 0.211

HORZ SPREAD: 2.357

VERT SPREAD: 1.750

GROUP SPREAD: 2.615

MIN RADIUS: 0.147

MAX RADIUS: 1.434

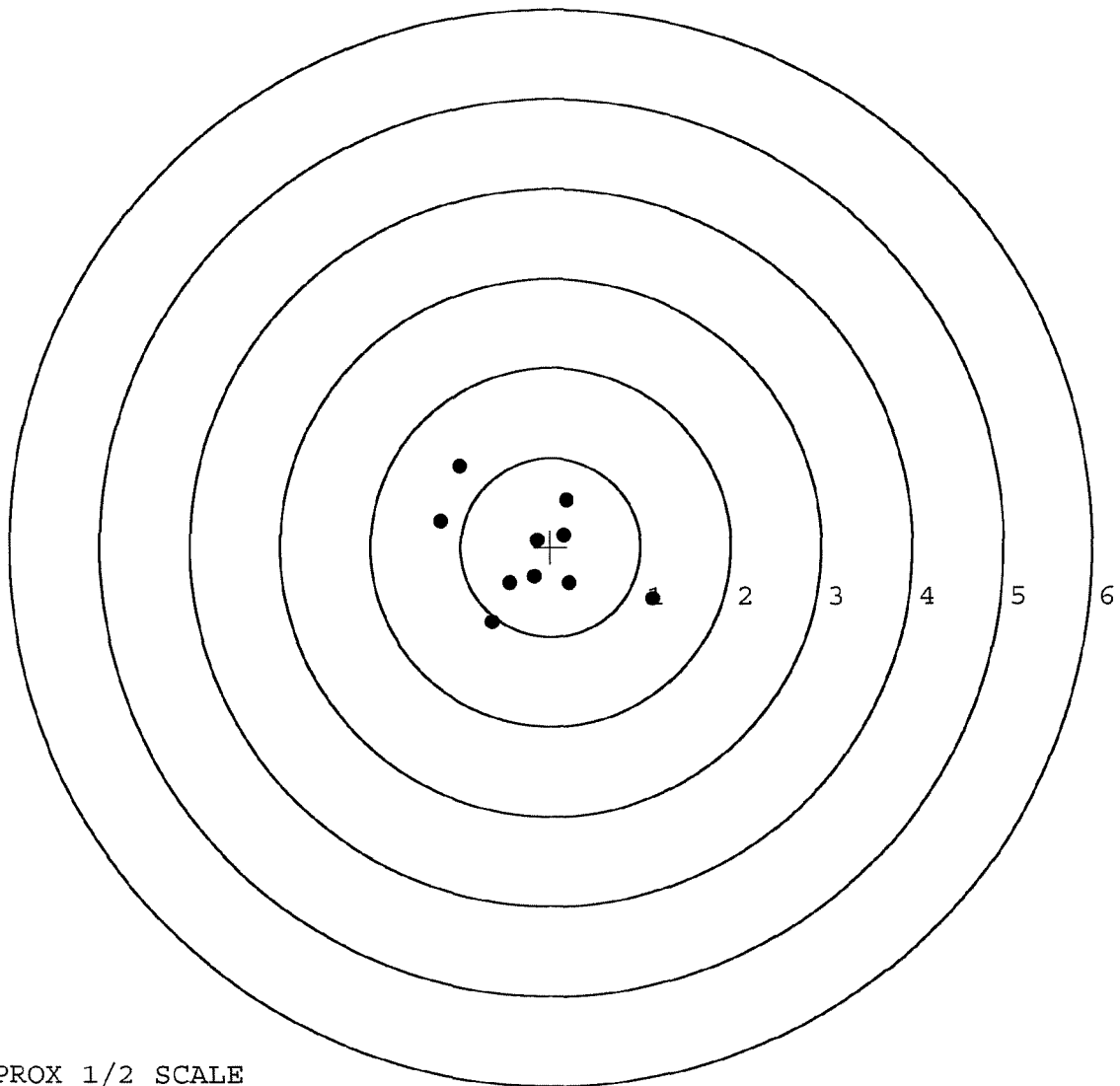
MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.135	-0.582
2:	0.209	-0.405
3:	-0.184	-0.335
4:	-0.456	-0.401
5:	-0.656	-0.840
6:	-1.222	0.292
7:	-1.013	0.910
8:	0.174	0.532
9:	0.145	0.138
10:	-0.147	0.075

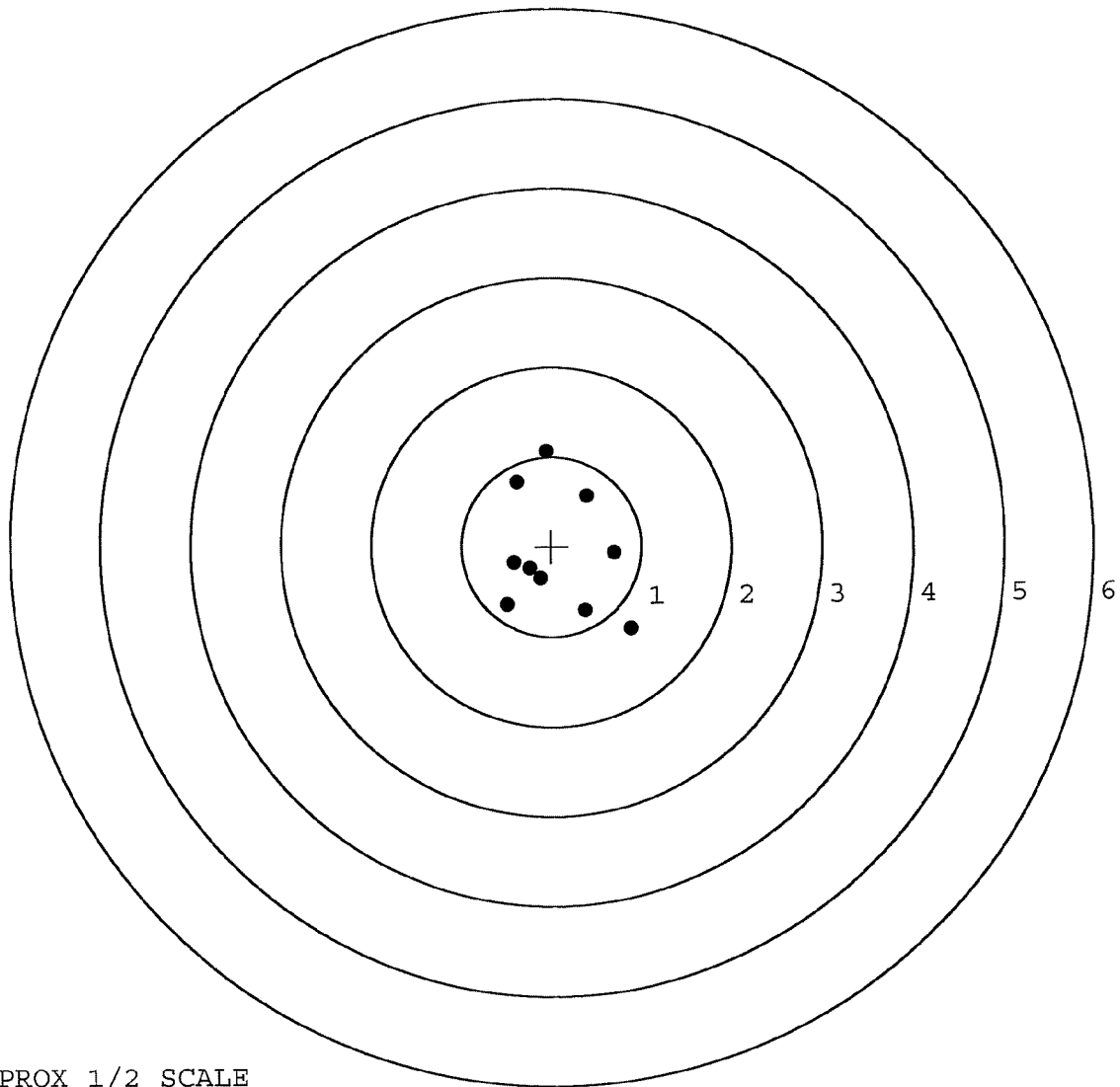


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. 0
 TARGET NUMBER: 4
 FILE DATE: 10/06/2004
 FILE TIME: 10:55

X CENTROID: 0.060
 Y CENTROID: -0.082
 POA TO CENTROID: 0.102
 HORZ SPREAD: 1.382
 VERT SPREAD: 1.982
 GROUP SPREAD: 2.190
 MIN RADIUS: 0.337
 MAX RADIUS: 1.170
 MEAN RADIUS: 0.730
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	-0.918
2:	0.373	-0.720
3:	0.698	-0.077
4:	0.397	0.561
5:	-0.052	1.064
6:	-0.383	0.723
7:	-0.503	-0.653
8:	-0.128	-0.361
9:	-0.251	-0.253
10:	-0.425	-0.183



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0

TARGET NUMBER: 5

FILE DATE: 10/06/2004

FILE TIME: 10:55

X CENTROID: 0.043

Y CENTROID: 0.095

POA TO CENTROID: 0.104

HORZ SPREAD: 2.482

VERT SPREAD: 2.508

GROUP SPREAD: 2.558

MIN RADIUS: 0.213

MAX RADIUS: 1.503

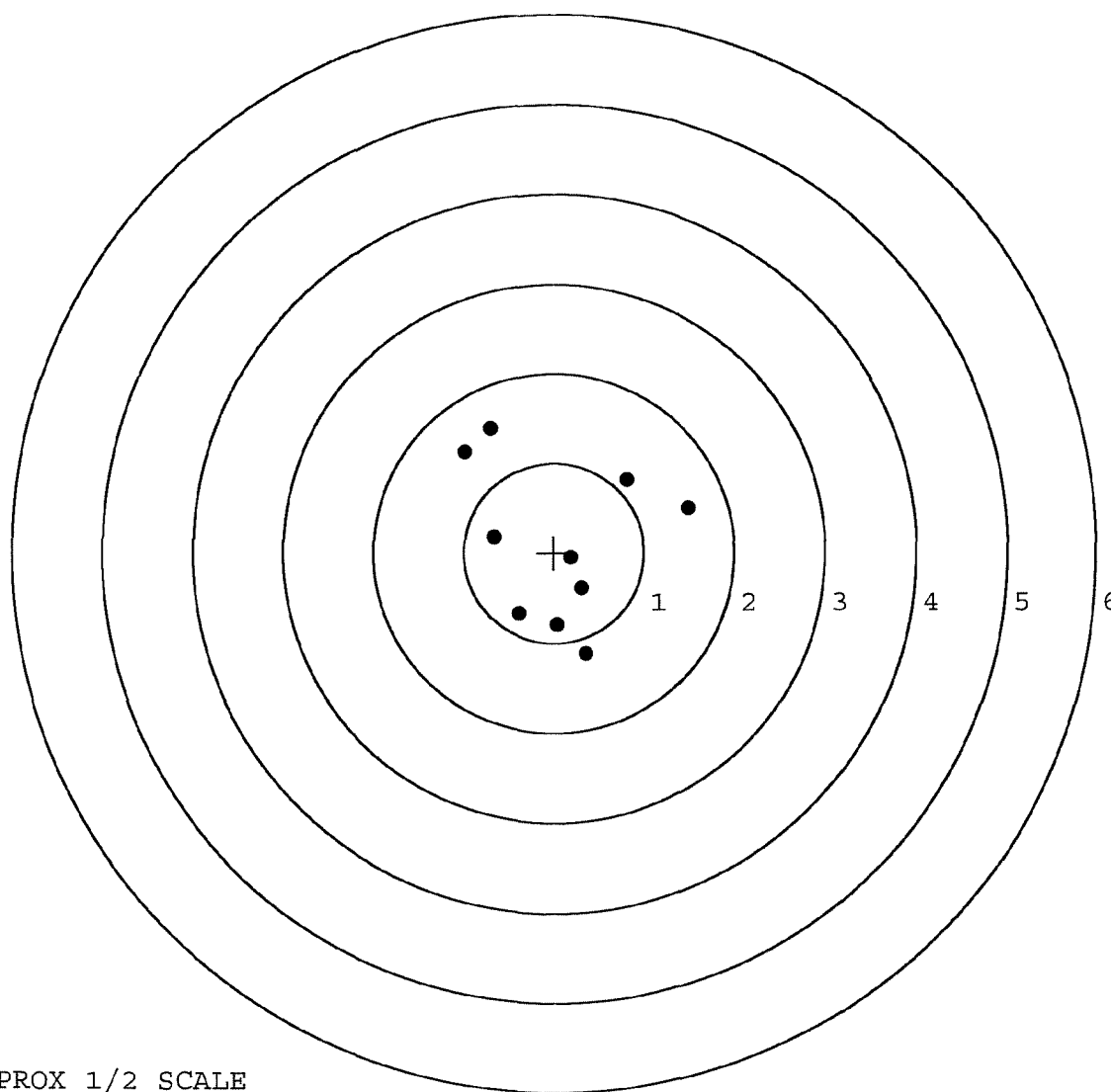
MEAN RADIUS: 1.003

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.356	-1.122
2:	0.035	-0.800
3:	-0.393	-0.676
4:	-0.670	0.167
5:	-0.993	1.126
6:	-0.700	1.386
7:	1.489	0.506
8:	0.809	0.814
9:	0.191	-0.058
10:	0.307	-0.397



TARGET APPROX 1/2 SCALE

R & E NUMBER	84766		
SERIAL NUMBER	C6594570		
LOG-IN DATE	9-10-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-13-04	RTL
560 A	RE-BARREL	9-22-04	RTL
B	DRILL AND TAP	9-22-04	TRW
575	ASSEMBLE	9-22-04	RTL
600	PROOF	9-23-04	RTL
605	CHECK HEADSPACE	9-23-04	RTL
610	DIS-ASSEMBLE GUN	9-23-04	RTL
612	MAGNAFLUX		OPERATOR BS
615	ROLLMARK CALIBER	9/24/04	AS
618	ROTO-BLAST	9/27	SW
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-4-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-6-04	TRW
655	FINAL INSPECT	10-7-04	RTL
660	PACK	10-26-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

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

MODEL 700™ M24

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

SERIAL NO.
C6594570

ORDER NO.
5716

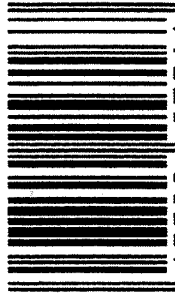
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6594570

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594570

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/90	K.S.
600	Proof		12/26/90	K.S.
607	Check Headspace		12/26/90	K.S.
610	Dis-assemble Gun		12/26/90	K.S.
612	Magnaflux Barrel Action		1-7-91	K.R.
	Magnaflux Bolt		1-7-91	K.R.
615	Rollmark Caliber		1-7-91	J.S.
617	Drill and Tap Sight Holes	1	10 91	F.B.
618	Polish Barrel	1	10 91	W.B.
620	Apply Coatings (Barrel Action)		1-26-91	J.A.
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	K.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	K.
	C) Inspect Ejector Hole for Chamfer		2/6/91	K.
	D) Oil Firing Pin Ass'y		2/4/91	K.
	E) Adjust Trigger Pull to Min Setting and Stake		2/7/91	M.

BARBER - M24 0019450

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/7/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			2/7/91	WB
	H) Trigger Pull Test & Retainability						2/7/91	8/
	I) Firing Pin Indent	.021	.0205	.0205			2/7/91	WB
	J) Assemble Stock						2/8/91	KA
	K) Assemble Swivel Studs						2-21-91	AC
	L) Attach Front and Rear Sight Assemblies						2/8/91	KA
	M) Iron Sight Alignment						2/8/91	KA
	N) Detach Front & Rear Sights & place in numbered container						2/8/91	KA
	O) Attach Scope to Rifle						2/8/91	KA
	P) Detach & Attach Scope 20 Times						2/8/91	KA
640	Gallery Target & Test						2-11-91	DH
	A) Time						2-11-91	DH
	B) Malfunctions						2-11-91	DH
	C) Pierced Primers						2-11-91	DH
	D) Optical Clarity of Scope						2-11-91	DH
645	Inspect for Live Ammo						2-11-91	DH
655	Final Inspection							
	A) Headspace						2-21-91	AC
	B) Trigger Pull	2.34	2.43	2.30	2.26	2.25	2/19/91	WB
	C) Function						2-21-91	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. 06594570

DATE 2/7/91

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.25	2.30	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.28	2.33	2.43	
PULL #3	2.21	2.19	2.27	2.30	
PULL #4	2.37	2.33	2.31	2.26	
PULL #5	2.41	2.37	2.38	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.39		
PULL #2	3.43	3.30		
PULL #3	3.37	3.38		
PULL #4	3.38	3.37		
PULL #5	3.27	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.30		4.48
PULL #2	4.36	4.24		4.30
PULL #3	4.36	4.42		4.48
PULL #4	4.26	4.37		4.31
PULL #5	4.32	4.41		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594570
12 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.296665
1 TO	2	.440819
1 TO	3	.223215
1 TO	4	.429644
1 TO	5	.436321

⌀ ←----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .061
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0114
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0620561
THE AMP FOR THIS RIFLE IS: .8616

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594520

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.118

VS= 2.733

GS= 2.800

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X		.789	.867	.710
MINIMUM X		-1.329	-1.251	-.433
MAXIMUM Y		1.083	.900	.868
MINIMUM Y		-1.650	-.848	-.880
CENTROID X		.067	-.011	.146
CENTROID Y		-.289	-.106	-.074
POA TO CENTROID in.		.297	.107	.163
MIN RADIUS		.020	.183	.075
MEAN RADIUS		.754	.623	.513
MAX RADIUS		1.793	1.277	.907
HORIZONTAL SPREAD		2.118	2.118	1.143
VERTICAL SPREAD		2.733	1.748	1.748
EXTREME SPREAD		2.800	2.119	1.763
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	

BARBER - M24 0019454

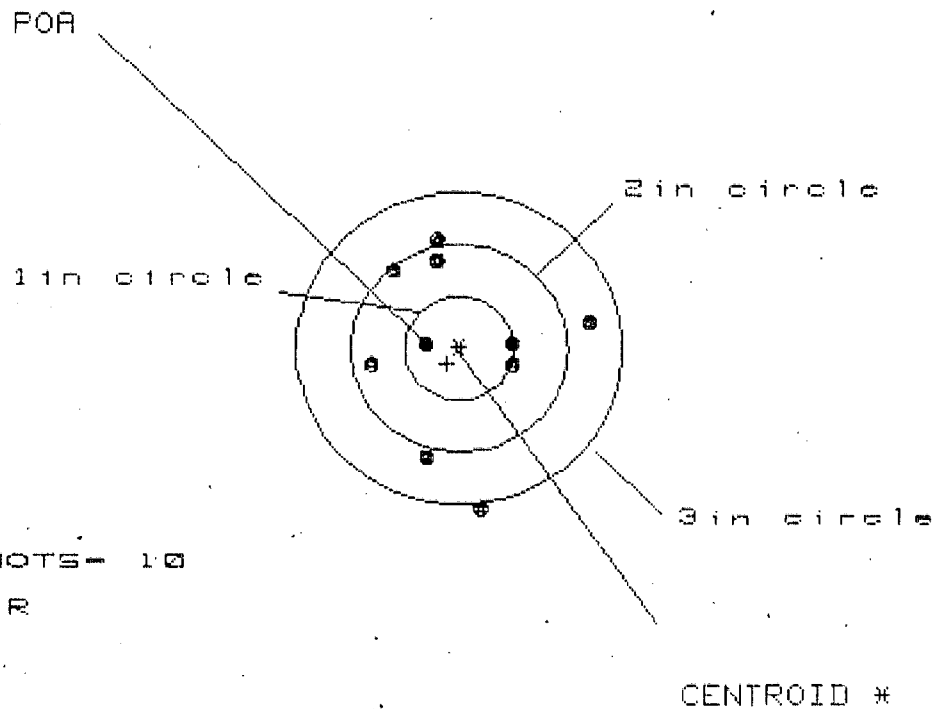
NUMBER IN THREE INCH CIRCLE =

9

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594570

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.947

VS= 2.584

GS= 2.618

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.190	1.213	.682
MINIMUM X	-.757	-.734	-.582
MAXIMUM Y	1.020	.847	.854
MINIMUM Y	-1.564	-1.245	-1.238
CENTROID X	.107	.084	-.068
CENTROID Y	.150	.323	.316
POA TO CENTROID in.	.184	.334	.323
MIN RADIUS	.281	.307	.192
MEAN RADIUS	.880	.784	.714
MAX RADIUS	1.578	1.287	1.250
HORIZONTAL SPREAD	1.947	1.947	1.264
VERTICAL SPREAD	2.584	2.092	2.092
EXTREME SPREAD	2.618	2.097	2.097
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594570

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 1

2in = 10

3in = 10

HS= 1.219

VS= 1.642

GS= 1.735

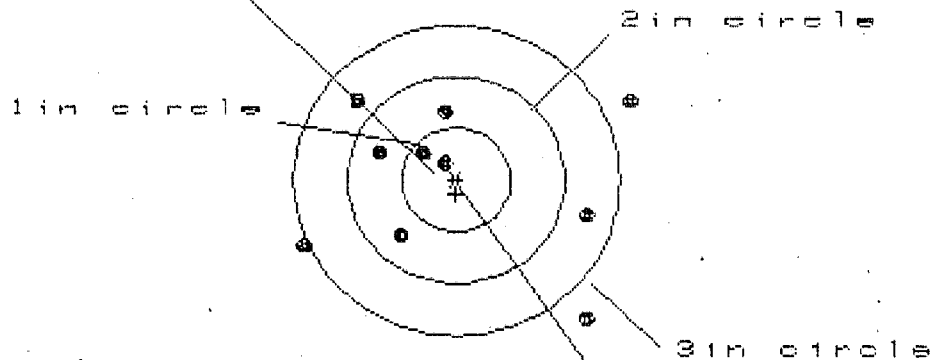
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.546	.512	.514
MINIMUM X	-.673	-.707	-.705
MAXIMUM Y	.923	1.010	.785
MINIMUM Y	-.719	-.617	-.491
CENTROID X	-.014	.021	.019
CENTROID Y	-.081	-.183	-.309
POA TO CENTROID in.	.082	.184	.310
MIN RADIUS	.224	.156	.193
MEAN RADIUS	.680	.629	.561
MAX RADIUS	.975	1.010	.871
HORIZONTAL SPREAD	1.219	1.219	1.219
VERTICAL SPREAD	1.642	1.627	1.276
EXTREME SPREAD	1.735	1.630	1.354
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594570

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 3.026

VS = 2.170

GS = 3.331

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.589	1.724	1.587
MINIMUM X	-1.437	-1.302	-1.086
MAXIMUM Y	.792	.639	.659
MINIMUM Y	-1.377	-.753	-.673
CENTROID X	.004	-.131	-.347
CENTROID Y	.136	.289	.209
POA TO CENTROID in.	.136	.317	.405
MIN RADIUS	.165	.044	.148
MEAN RADIUS	1.031	.874	.731
MAX RADIUS	1.838	1.839	1.629
HORIZONTAL SPREAD	3.026	3.026	2.673
VERTICAL SPREAD	2.170	1.392	1.332
EXTREME SPREAD	3.331	3.331	2.690
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594570

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 1.930

VS = 2.867

GS = 2.914

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.743	.821	.852
MINIMUM X	-1.187	-1.109	-1.078
MAXIMUM Y	1.236	1.055	.869
MINIMUM Y	-1.631	-1.252	-1.120
CENTROID X	.141	.063	.032
CENTROID Y	.141	.322	.190
POA TO CENTROID in.	.199	.328	.193
MIN RADIUS	.408	.447	.433
MEAN RADIUS	.963	.850	.817
MAX RADIUS	1.773	1.254	1.121
HORIZONTAL SPREAD	1.930	1.930	1.930
VERTICAL SPREAD	2.867	2.307	1.989
EXTREME SPREAD	2.914	2.330	1.998
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		