

C661166Z

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00092556** Serial: **C6611662** Model: **M24 SWS** Center Fire Caliber: **7.62 NATO** Repairman: Status: **Closed 2/7/2005 8:19:26 AM**

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: Address 2: PO Box: PO Box:

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

reglaj 2/7/2005 10:20 AM CAPS NUM INS SCPL

start 3 2

Serial Number: **C6611662**

Model: **M24 SWS**



RE00092556

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611662.___0
FILE DATE AND TIME: 04/15/2005 08:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.148
The Average Y Centroid of the Five Target Set:	0.134
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	1.105
The Distance from POA to Centroid Target #1:	0.457
The Distance from Centroid Target #2 to Centroid Target #1:	0.212
The Distance from Centroid Target #3 to Centroid Target #1:	0.137
The Distance from Centroid Target #4 to Centroid Target #1:	0.829
The Distance from Centroid Target #5 to Centroid Target #1:	0.961

SERIAL NUMBER: C6611662. __0

TARGET NUMBER: 1

FILE DATE: 04/15/2005

FILE TIME: 08:41

X CENTROID: -0.105

Y CENTROID: 0.445

POA TO CENTROID: 0.457

HORZ SPREAD: 2.364

VERT SPREAD: 3.332

GROUP SPREAD: 3.366

MIN RADIUS: 0.184

MAX RADIUS: 1.885

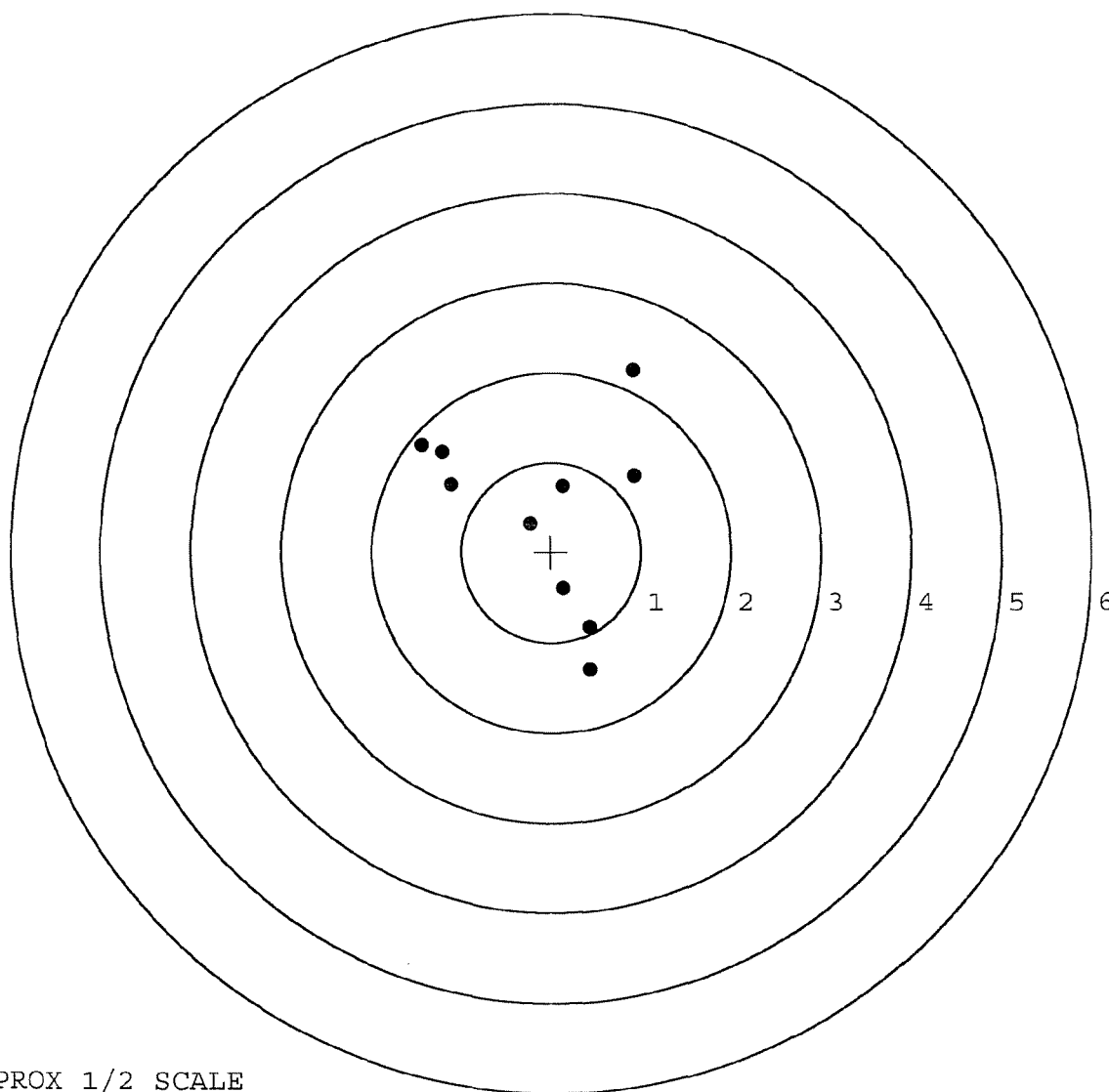
MEAN RADIUS: 1.153

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.435	-1.299
2:	0.427	-0.830
3:	0.137	-0.412
4:	-0.239	0.319
5:	0.131	0.735
6:	-1.114	0.748
7:	-1.218	1.110
8:	-1.443	1.190
9:	0.921	0.854
10:	0.911	2.033



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662. __0

TARGET NUMBER: 2

FILE DATE: 04/15/2005

FILE TIME: 08:41

X CENTROID: -0.026

Y CENTROID: 0.642

POA TO CENTROID: 0.642

HORZ SPREAD: 3.186

VERT SPREAD: 2.973

GROUP SPREAD: 3.191

MIN RADIUS: 0.284

MAX RADIUS: 2.011

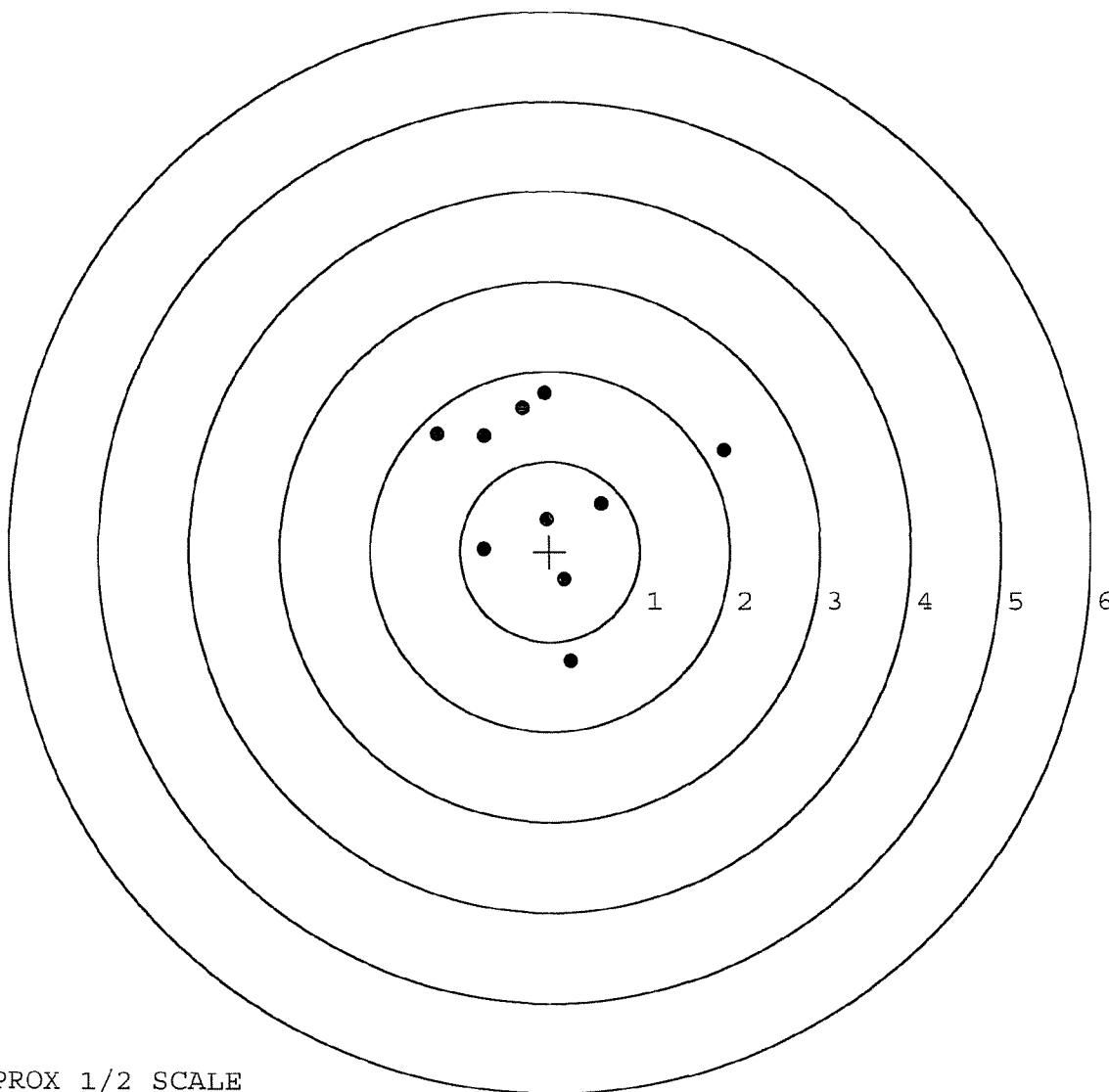
MEAN RADIUS: 1.114

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.927	1.122
2:	0.571	0.530
3:	-0.043	0.358
4:	-0.740	0.023
5:	0.160	-0.310
6:	0.239	-1.215
7:	-0.062	1.758
8:	-0.310	1.580
9:	-0.739	1.275
10:	-1.259	1.296



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662. __0

TARGET NUMBER: 3

FILE DATE: 04/15/2005

FILE TIME: 08:41

X CENTROID: -0.241

Y CENTROID: 0.423

POA TO CENTROID: 0.487

HORZ SPREAD: 1.658

VERT SPREAD: 3.625

GROUP SPREAD: 3.762

MIN RADIUS: 0.170

MAX RADIUS: 2.869

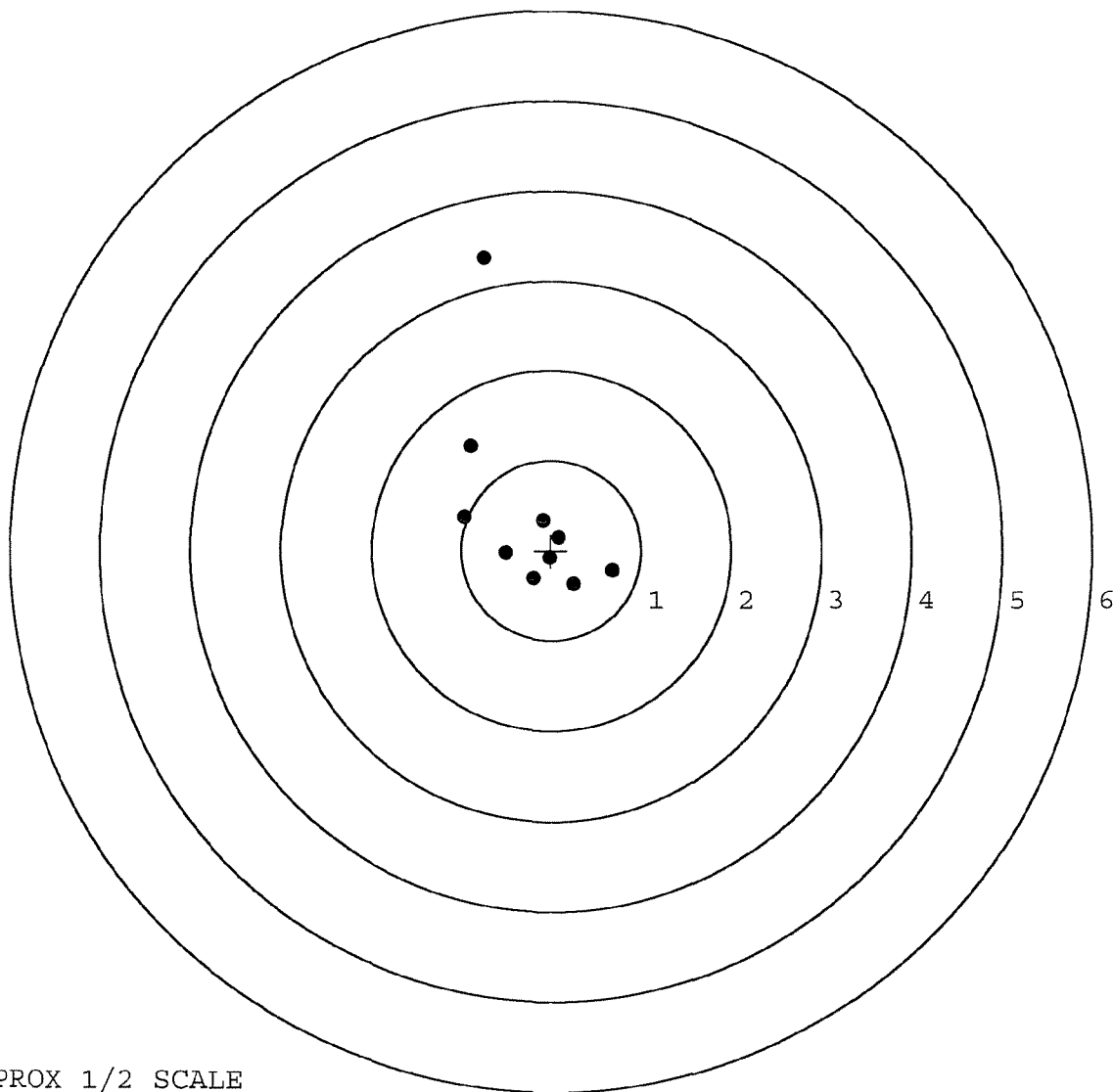
MEAN RADIUS: 0.906

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.685	-0.223
2:	0.255	-0.378
3:	-0.973	0.372
4:	-0.897	1.152
5:	-0.750	3.247
6:	-0.096	0.334
7:	0.090	0.152
8:	-0.017	-0.081
9:	-0.197	-0.307
10:	-0.506	-0.033



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662. __0

TARGET NUMBER: 4

FILE DATE: 04/15/2005

FILE TIME: 08:41

X CENTROID: -0.390

Y CENTROID: -0.334

POA TO CENTROID: 0.513

HORZ SPREAD: 3.213

VERT SPREAD: 3.735

GROUP SPREAD: 4.070

MIN RADIUS: 0.242

MAX RADIUS: 2.177

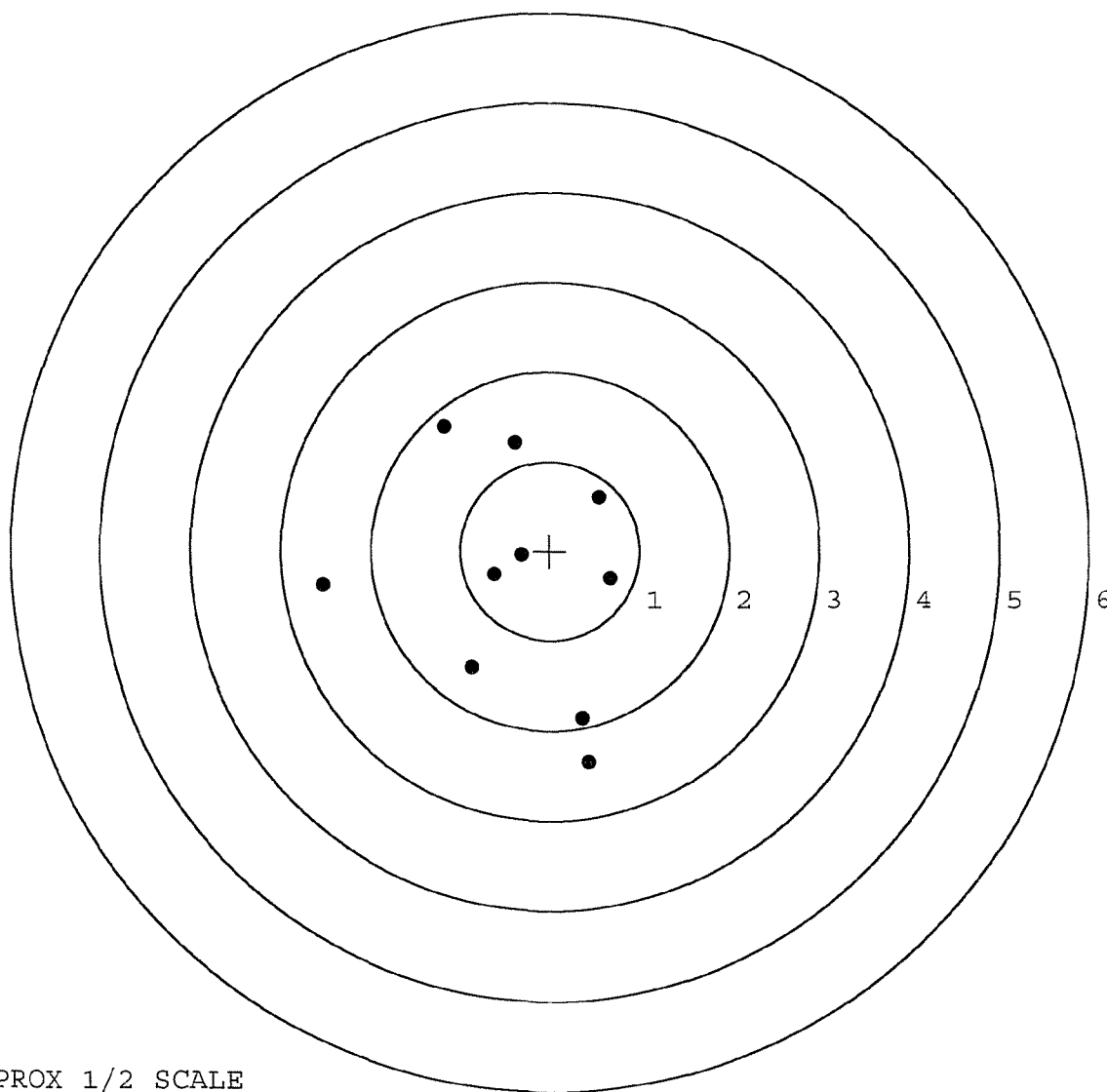
MEAN RADIUS: 1.349

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 5

POINT#	X	Y
1:	0.676	-0.312
2:	0.547	0.604
3:	-0.316	-0.051
4:	-0.623	-0.270
5:	-0.877	-1.309
6:	0.369	-1.862
7:	0.436	-2.348
8:	-2.537	-0.387
9:	-0.391	1.213
10:	-1.182	1.387



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611662. 0

TARGET NUMBER: 5

FILE DATE: 04/15/2005

FILE TIME: 08:41

POINT#	X	Y
1:	1.625	-0.491
2:	0.508	-0.552
3:	-1.027	-1.219
4:	-0.307	-3.245
5:	-0.278	-0.333
6:	-0.206	-0.001
7:	-0.455	0.175
8:	0.200	0.080
9:	0.223	0.429
10:	-0.092	0.073

X CENTROID: 0.019

Y CENTROID: -0.508

POA TO CENTROID: 0.509

HORZ SPREAD: 2.652

VERT SPREAD: 3.674

GROUP SPREAD: 3.712

MIN RADIUS: 0.345

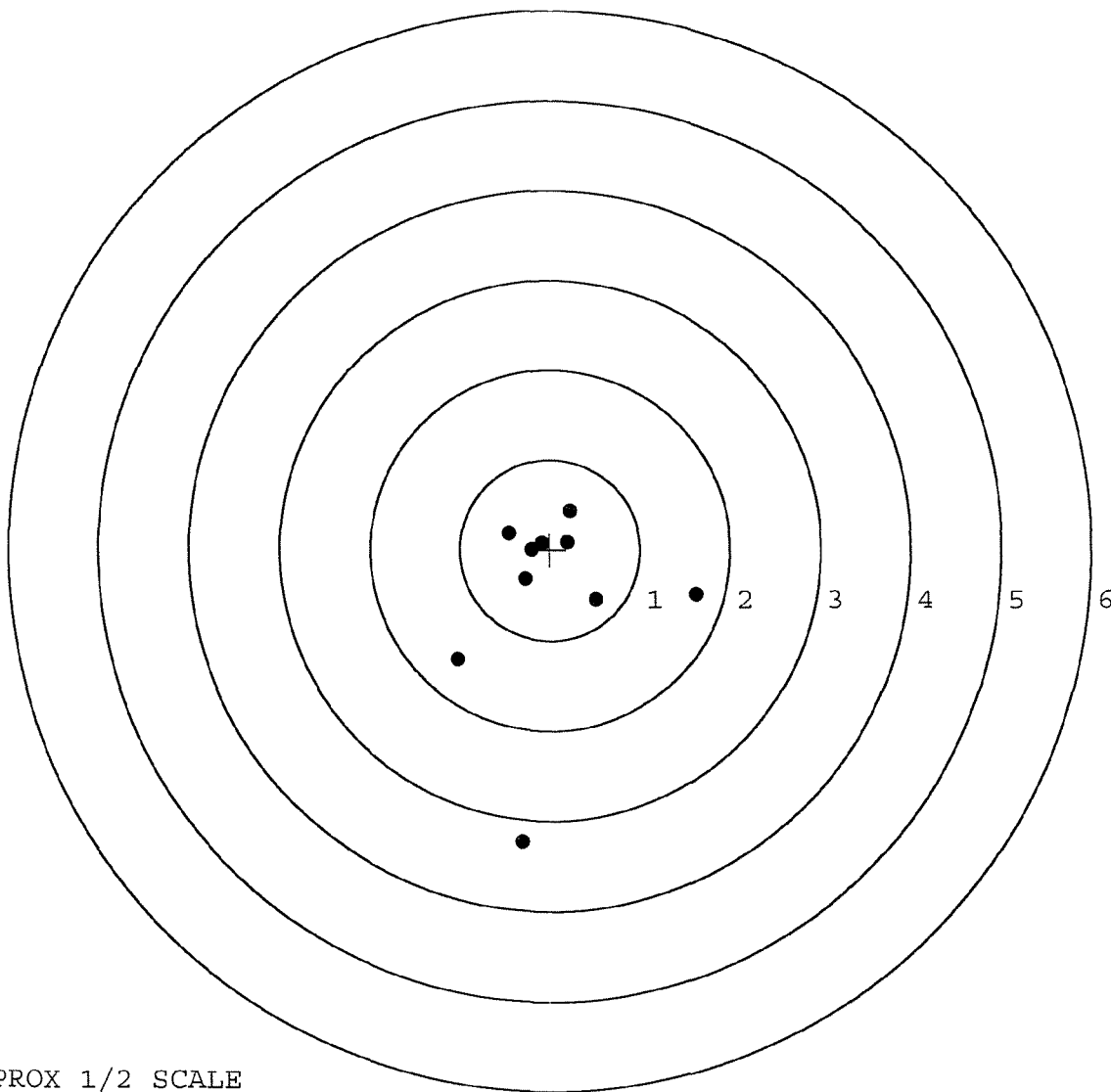
MAX RADIUS: 2.756

MEAN RADIUS: 1.002

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

R & E NUMBER	92556		
SERIAL NUMBER	C6611662		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	Ac
605	CHECK HEADSPACE	3-21-05	Ac
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	RTZ
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29-05	SW
620	APPLY COATINGS	4-5-05	HP
625 A	FINAL ASSEMBLY	4-15-05	RTZ
B	TRIGGER PULL TEST	4-15-05	Ac
C	SAFETY "ON" FORCE	4-15-05	Ac
D	SAFETY "OFF" FORCE	4-15-05	Ac
E	FIRING PIN INDENT	4-15-05	Ac
640	TARGET	4-15-05	Ac
655	FINAL INSPECT	4-15-05	Ac
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6611662
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611662

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611662

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/10/91	KA
600	Proof		1/10/91	KA
607	Check Headspace		1/10/91	KA
610	Dis-assemble Gun		1/10/91	KA
612	Magnaflux Barrel Action		1/17/91	KR
	Magnaflux Bolt		1/17/91	KR
615	Rollmark Caliber		1/17/91	GB
617	Drill and Tap Sight Holes	1 18 91		KB
618	Polish Barrel	1 18 91		KB
620	Apply Coatings (Barrel Action)		2-12-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/22/91	KA
	C) Inspect Ejector Hole for Chamfer		2/22/91	KA
	D) Oil Firing Pin Ass'y		2/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2-25-91	DA

BARBER - M24 0033997							
op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4	4½	4¼		2-25-91	DH
	G) Safety Off Force	2½	2½	3		2-25-91	DH
	H) Trigger Pull Test & Retainability					2-25-91	DH
	I) Firing Pin Indent	.020	.0205	.021		2-25-91	DH
	J) Assemble Stock					2/27/91	KJ
	K) Assemble Swivel Studs					2/27/91	WB
	L) Attach Front and Rear Sight Assemblies					2/27/91	KJ
	M) Iron Sight Alignment					2/27/91	KJ
	N) Detach Front & Rear Sights & place in numbered container					2/27/91	KJ
	O) Attach Scope to Rifle					2/27/91	KJ
	P) Detach & Attach Scope 20 Times					2/27/91	KJ
640	Gallery Target & Test					2/28/91	KJ
	A) Time					"	10
	B) Malfunctions					"	10
	C) Pierced Primers					"	10
	D) Optical Clarity of Scope					"	10
645	Inspect for Live Ammo					2/28/91	10
655	Final Inspection					3/2/91	WB
	A) Headspace						
	B) Trigger Pull	2.59	2.58	2.58	2.53	2.53	3-1-91
	C) Function					3/2/91	WB
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. 66611662

DATE 2-25-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.69	2.46	2.64	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.69	2.55	2.67	2.58	
PULL #3	2.72	2.53	2.66	2.58	
PULL #4	2.68	2.55	2.63	2.53	
PULL #5	2.69	2.57	2.66	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.01		
PULL #2	3.06	3.09		
PULL #3	3.14	3.09		
PULL #4	3.05	3.08		
PULL #5	3.09	3.09		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.14		4.08
PULL #2	4.17	4.09		4.13
PULL #3	4.20	4.17		4.12
PULL #4	4.20	4.11		4.11
PULL #5	4.21	4.12		4.09
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611662
1 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.068942
1 TO	2	.0801124
1 TO	3	.331368
1 TO	4	.445102
1 TO	5	.220565

4440 X-----POA

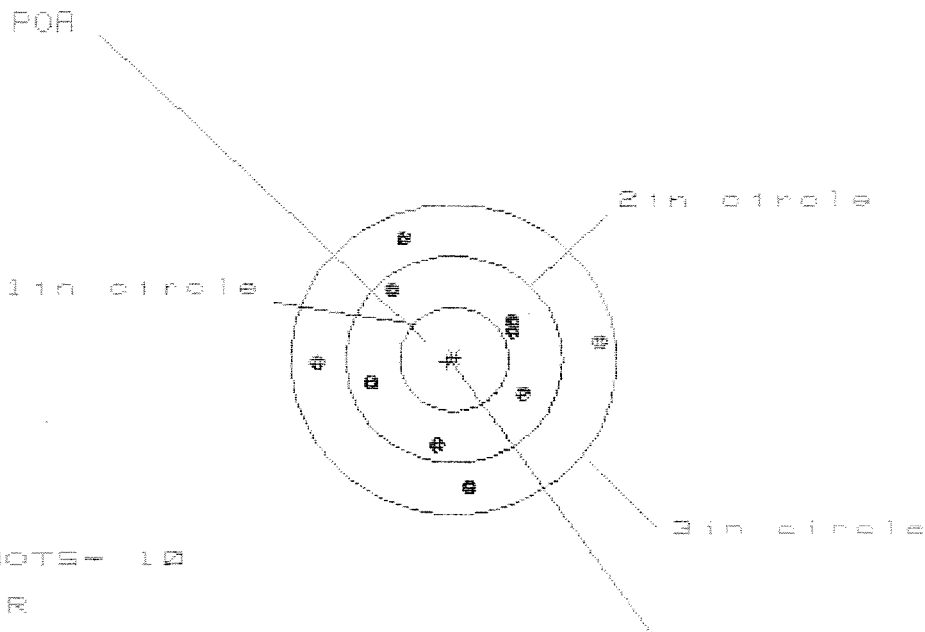
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0828
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0914
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116111
THE AMR FOR THIS RIFLE IS: .9956

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11662

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.590

VS= 2.419

GS= 2.593

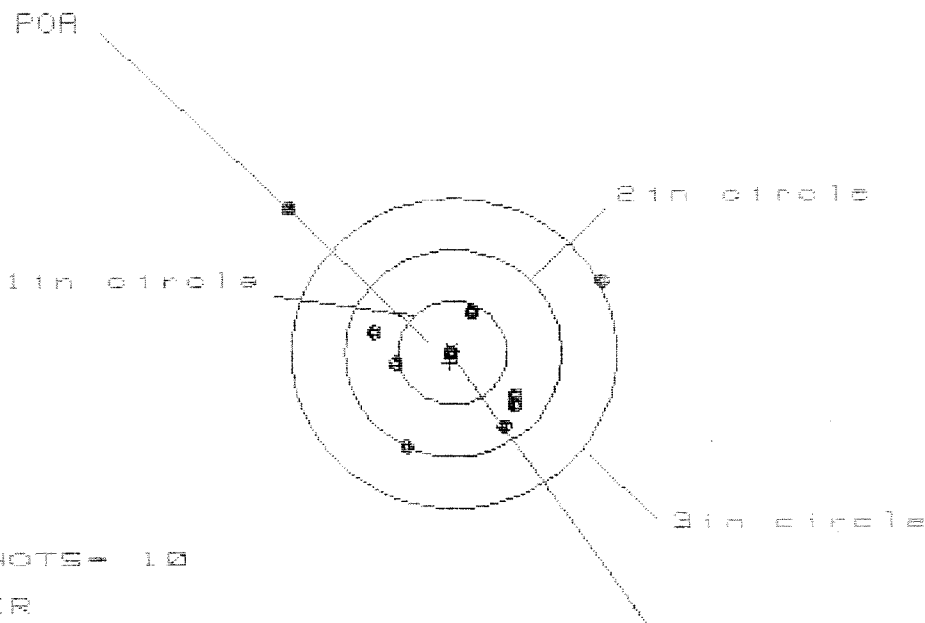
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.311	.749	.704
MINIMUM X	-1.279	-1.133	-1.170
MAXIMUM Y	1.204	1.219	.804
MINIMUM Y	-1.215	-1.200	-1.048
CENTROID X	.063	-.083	-.038
CENTROID Y	.028	.013	-.139
POA TO CENTROID in.	.068	.084	.144
MIN RADIUS	.646	.632	.647
MEAN RADIUS	.957	.916	.859
MAX RADIUS	1.318	1.270	1.189
HORIZONTAL SPREAD	2.590	1.882	1.882
VERTICAL SPREAD	2.419	2.419	1.852
EXTREME SPREAD	2.593	2.510	1.976
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611662

CENTERFIRE PATTERNS # 2

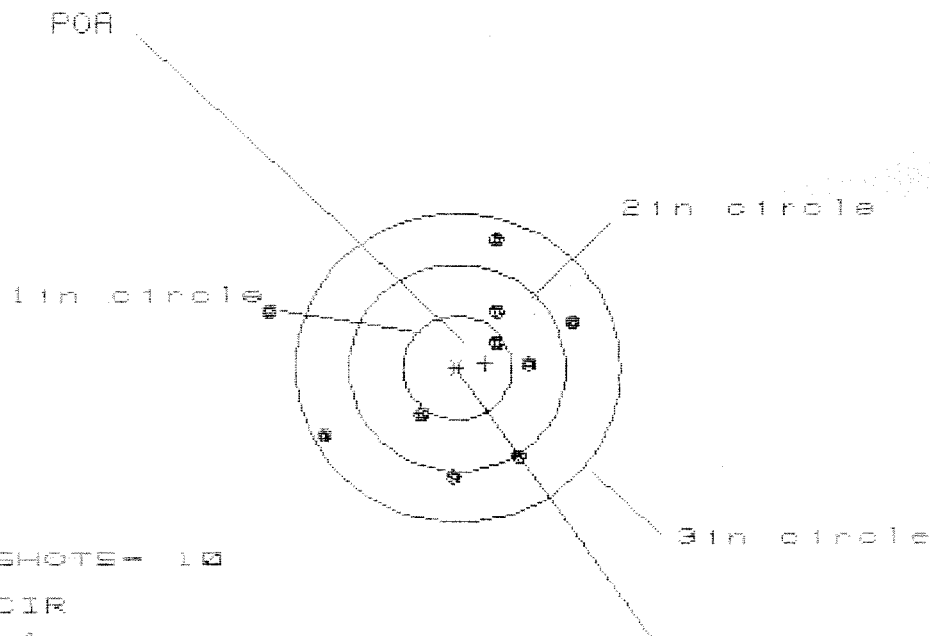


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.412	1.244	.587
MINIMUM X	-1.516	-.860	-.705
MAXIMUM Y	1.379	.809	.637
MINIMUM Y	-.878	-.725	-.624
CENTROID X	.030	.198	.043
CENTROID Y	.101	-.052	-.153
POA TO CENTROID in.	.105	.205	.159
MIN RADIUS	.039	.234	.231
MEAN RADIUS	.863	.720	.614
MAX RADIUS	2.049	1.484	.855
HORIZONTAL SPREAD	2.928	2.104	1.292
VERTICAL SPREAD	2.257	1.534	1.261
EXTREME SPREAD	3.016	2.427	1.515
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	8	

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06511662

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.736

VS= 2.257

GS= 2.737

CENTROID *

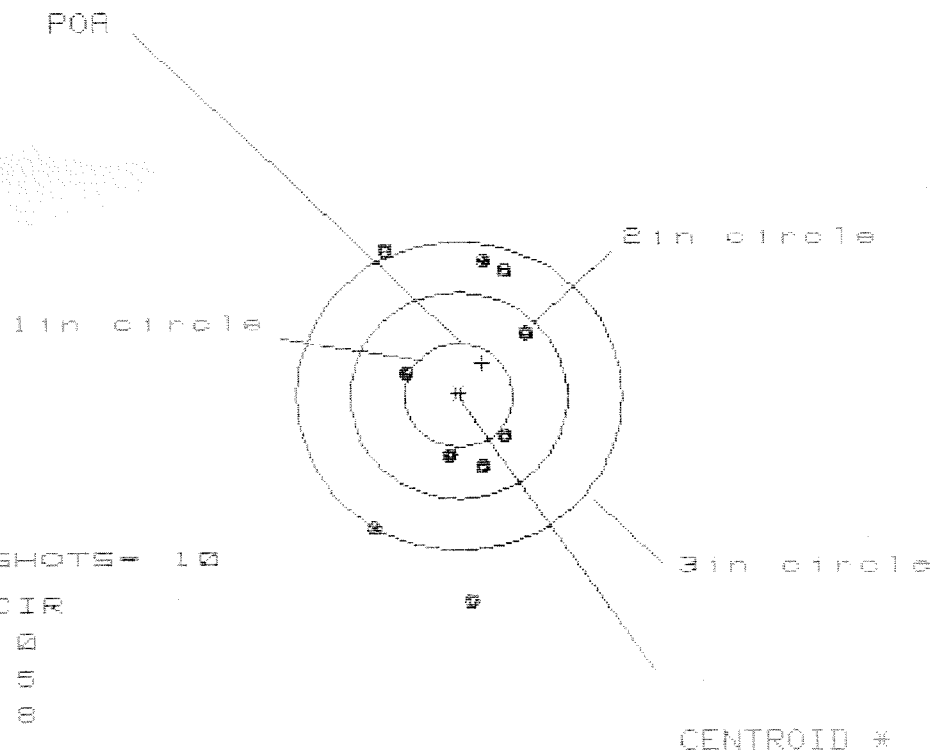
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.027
MINIMUM X	-1.709
MAXIMUM Y	1.201
MINIMUM Y	-1.056
CENTROID X	-.260
CENTROID Y	-.046
POA TO CENTROID in.	.264
MIN RADIUS	.445
MEAN RADIUS	.990
MAX RADIUS	1.786
HORIZONTAL SPREAD	2.736
VERTICAL SPREAD	2.257
EXTREME SPREAD	2.737
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 4
NUMBER IN THREE INCH CIRCLE	= 9

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11682

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.405

VS= 3.394

CS= 3.468

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.577
MINIMUM X	:	-.829
MAXIMUM Y	:	1.428
MINIMUM Y	:	-1.966
CENTROID X	:	-.217
CENTROID Y	:	-.318
POA TO CENTROID in.	:	.385
MIN RADIUS	:	.524
MEAN RADIUS	:	1.088
MAX RADIUS	:	1.967
HORIZONTAL SPREAD	:	1.406
VERTICAL SPREAD	:	3.394
EXTREME SPREAD	:	3.468
NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	8

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11662

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.630

VS = 3.206

GS = 3.398

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.282	1.299	1.226
MINIMUM X	-1.348	-1.331	-1.169
MAXIMUM Y	1.230	1.011	.536
MINIMUM Y	-1.976	-.883	-.757
CENTROID X	-.030	-.047	-.209
CENTROID Y	-.172	.047	-.079
POA TO CENTROID in.	.175	.066	.224
MIN RADIUS	.450	.282	.479
MEAN RADIUS	1.080	.936	.854
MAX RADIUS	1.982	1.646	1.338
HORIZONTAL SPREAD	2.630	2.630	2.395
VERTICAL SPREAD	3.206	1.894	1.293
EXTREME SPREAD	3.398	3.128	2.599
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		