

C6611431

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00142104

Serial: C6611431 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Status: Closed 2/25/2008 10:49:56 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: FT. DRUM POLICE

FT. DRUM POLICE

Address 1:

Address 2:

PO Box:

City: FT. DRUM

FT. DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	3
A026	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

2/26/2008

7:20 AM

NUM



Serial Number: C6611431

Model: M24 SWS



RE00142104

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

R & E NUMBER _____				
SERIAL NUMBER <u>C6611431</u>				
LOG-IN DATE _____				
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN			
505	RE-BARREL			
560	ASSEMBLE			
600	PROOF			
605	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX			
510	DRILL AND TAP			
615	ROLLMARK CALIBER			
618	ROTO-BLAST			
620	APPLY COATINGS			
625	FINAL ASSEMBLY			
640	FUNCTION TEST AND	<u>PASS</u> FAIL	2-26-08	TRW
650	TARGET 2-10 shot groups	<u>PASS</u> FAIL	2-26-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		2-27-08	DA
	A) HEADSPACE	<u>PASS</u> FAIL	2-27-08	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	295 298 297 298 290 22708	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	45 40 40 22708	DA
	G) SAFETY OFF FORCE	2 LBS	30 30 30 22708	DA
	I) FIRING PIN INDENT	.020	.023 .023 .022 22708	DA
690	PACK		3/14/08	DA

Repair Number: **RE00075702**Serial: C6611431 Model 700 Center Fire Caliber 7
62 NATO M24 SWS Produced: 03/13/1991

Repairman:

Verify Repair

Status:

Closed 1/15/2004 3:22:52 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPT OF ARMY

DEPT OF ARMY

Address 1: MSG ROBERT RUSSELL

MSG ROBERT RUSSELL

Address 2: PO Box

PO Box

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information:

Phone: 315 772 9090

Fax:

Email:

Comments: DOOR.GUN#005115

Received Condition:

Good

Condition
Notes:CSR
Notes:

Accessories Received:

Code	Desc	Qty
A009	Soft Case	1
A017	Scope Base	1
A042	Adjustable Butt Pad	1

Repair Search

Refresh

Close

naglej

1/16/2004

7:33 AM

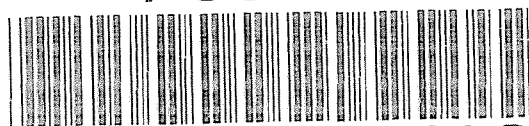
NUM

PNS

EDR

start

4

Serial Number: **C6611431**
Model: **700****RE00075702**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611431.__0
FILE DATE AND TIME: 02/04/2004 07:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.060
The Average Y Centroid of the Five Target Set:	0.108
The Average Point of Impact of the Five Target Set:	0.123
The Average Mean Radius of the Five Target Set:	0.537
The Distance from POA to Centroid Target #1:	0.180
The Distance from Centroid Target #2 to Centroid Target #1:	0.054
The Distance from Centroid Target #3 to Centroid Target #1:	0.137
The Distance from Centroid Target #4 to Centroid Target #1:	0.124
The Distance from Centroid Target #5 to Centroid Target #1:	0.130

SERIAL NUMBER: C6611431. 0

TARGET NUMBER: 1

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.102	-0.913
2:	0.219	-0.565
3:	0.845	0.347
4:	0.431	0.502
5:	0.002	0.615
6:	-0.327	0.160
7:	-0.139	-0.173
8:	-0.002	0.189
9:	0.078	0.375
10:	0.213	0.567

X CENTROID: 0.142

Y CENTROID: 0.110

POA TO CENTROID: 0.180

HORZ SPREAD: 1.172

VERT SPREAD: 1.528

GROUP SPREAD: 1.531

MIN RADIUS: 0.164

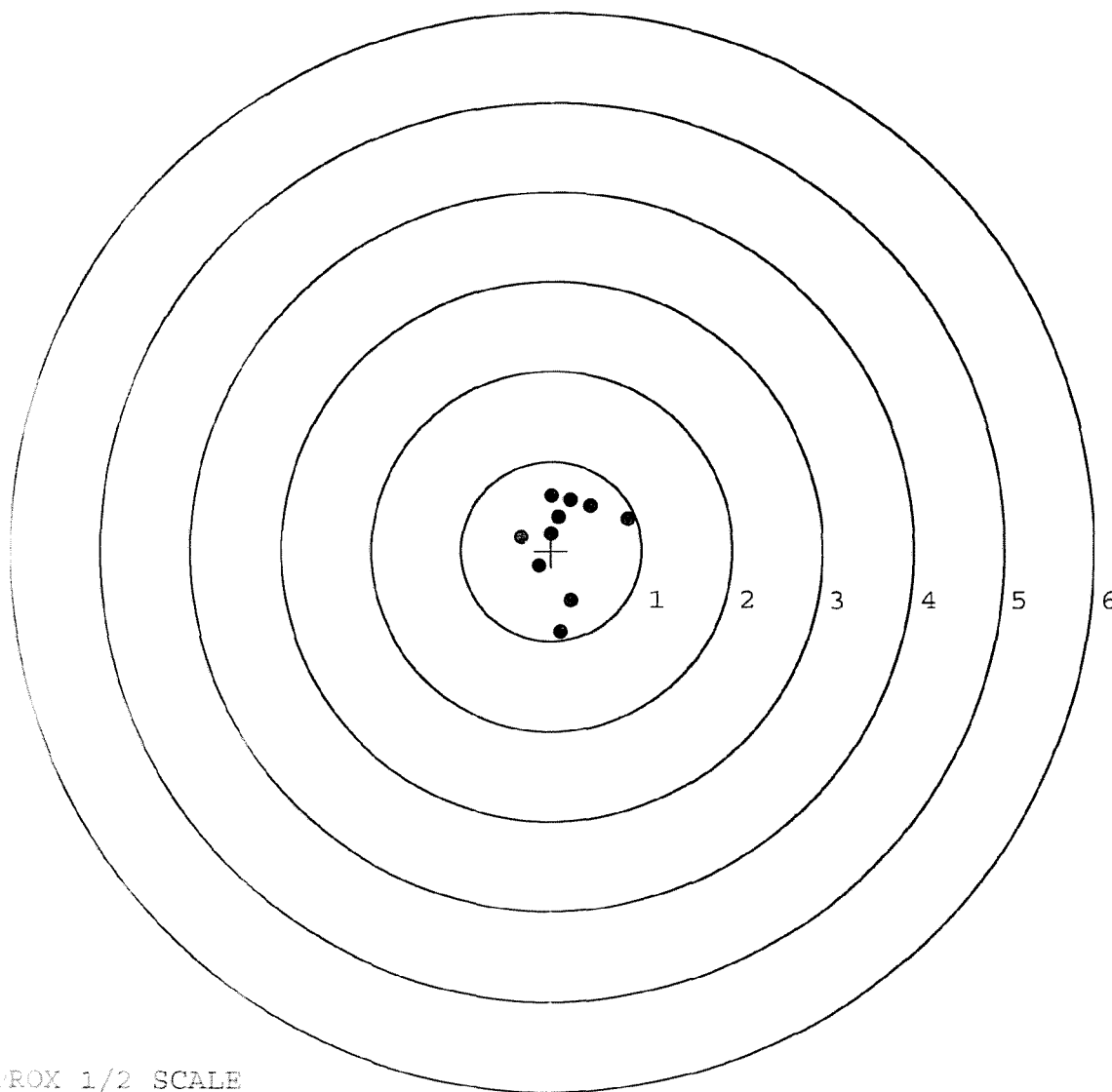
MAX RADIUS: 1.024

MEAN RADIUS: 0.523

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. __0

TARGET NUMBER: 2

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.745	0.494
2:	-0.036	-0.853
3:	0.211	-0.464
4:	0.016	1.508
5:	-0.304	-0.043
6:	0.094	-0.206
7:	0.209	-0.035
8:	-0.113	0.367
9:	0.052	0.365
10:	0.015	0.073

X CENTROID: 0.089

Y CENTROID: 0.121

POA TO CENTROID: 0.150

HORZ SPREAD: 1.049

VERT SPREAD: 2.361

GROUP SPREAD: 2.362

MIN RADIUS: 0.088

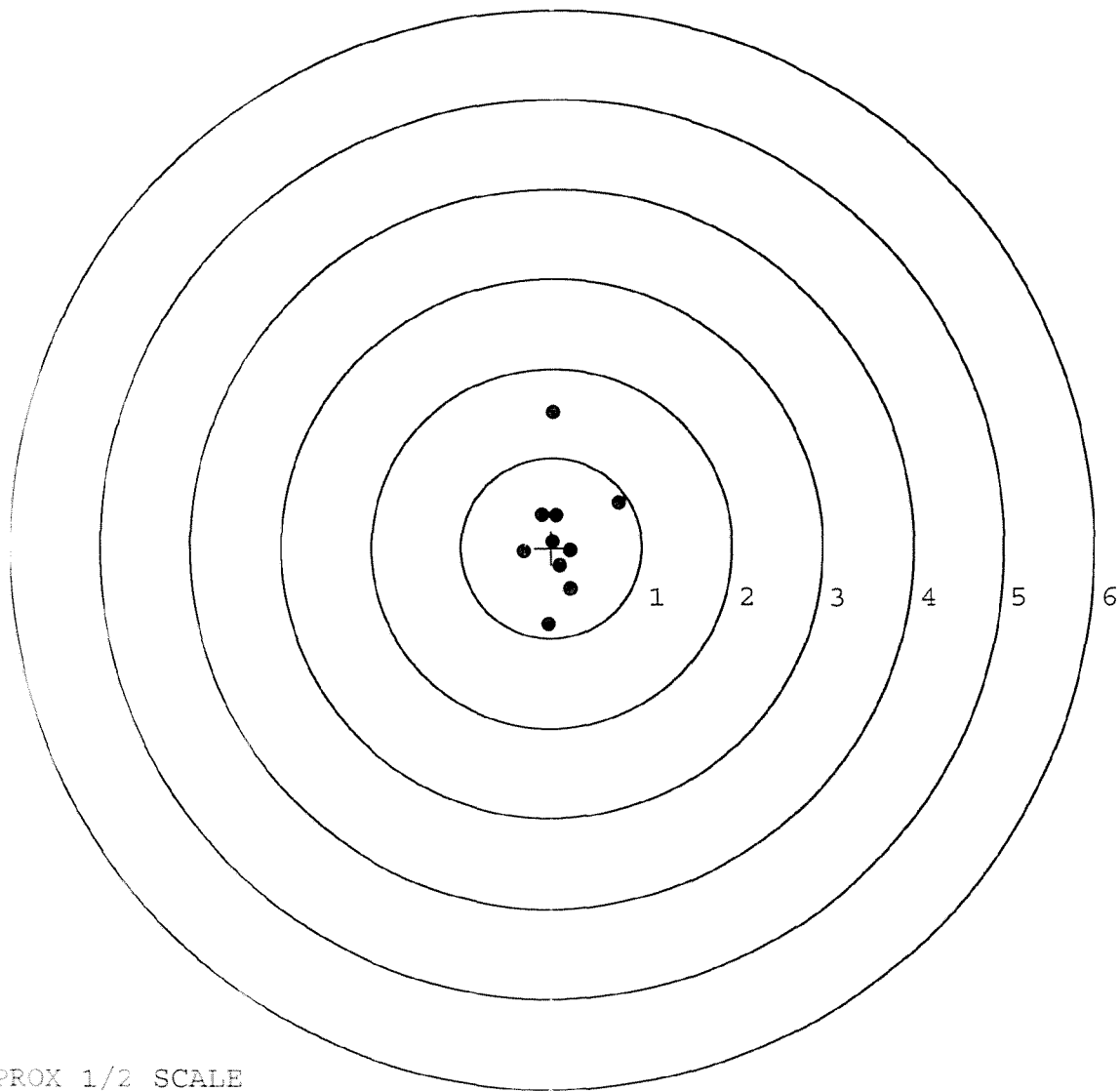
MAX RADIUS: 1.389

MEAN RADIUS: 0.533

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

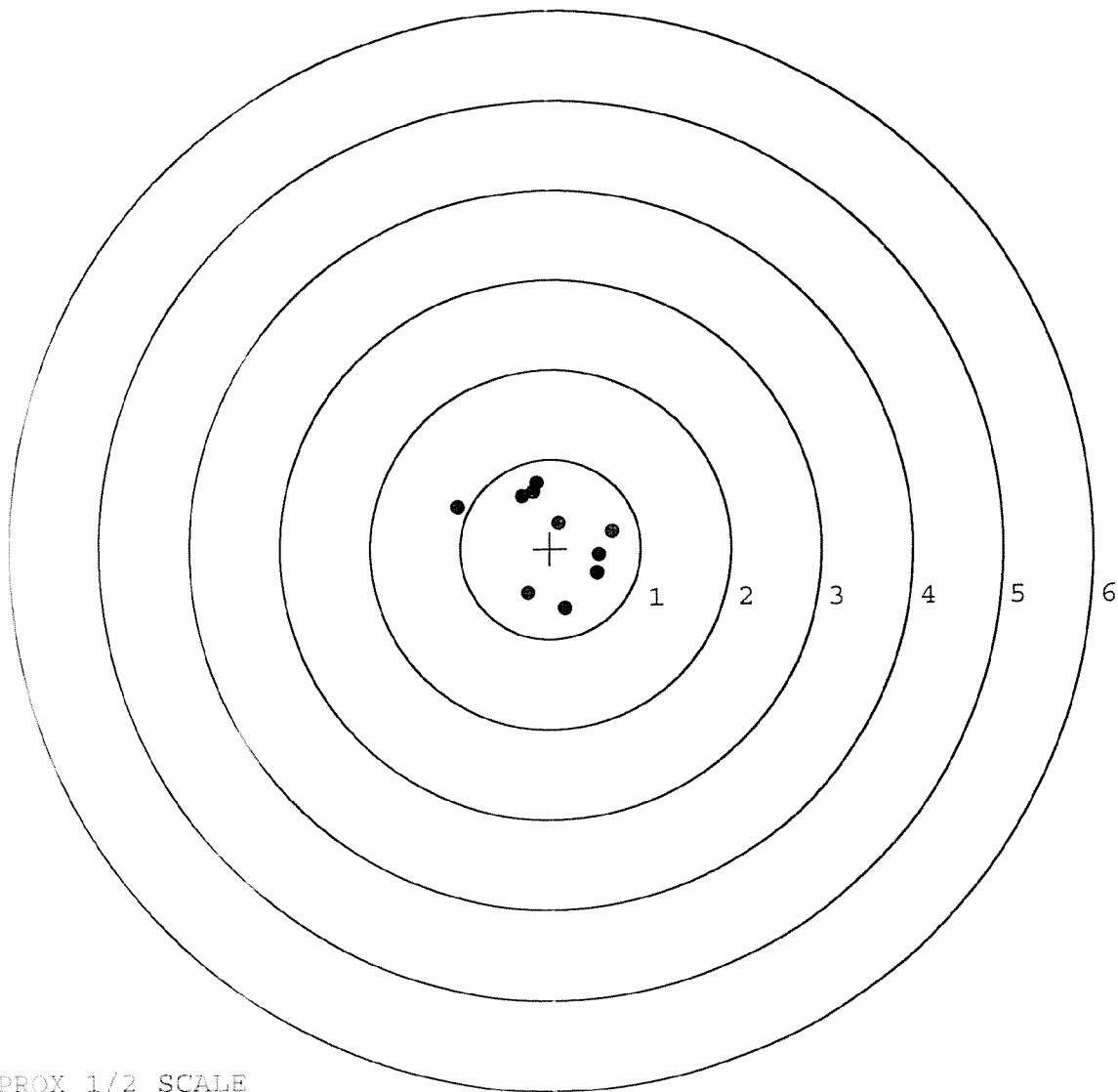


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. __0
TARGET NUMBER: 3
FILE DATE: 02/04/2004
FILE TIME: 07:55

X CENTROID: 0.008
Y CENTROID: 0.138
POA TO CENTROID: 0.139
HORZ SPREAD: 1.704
VERT SPREAD: 1.401
GROUP SPREAD: 1.726
MIN RADIUS: 0.168
MAX RADIUS: 1.081
MEAN RADIUS: 0.637
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.163	-0.667
2:	-0.248	-0.499
3:	0.682	0.191
4:	0.539	-0.077
5:	0.520	-0.276
6:	0.094	0.283
7:	-0.152	0.734
8:	-0.189	0.636
9:	-0.309	0.592
10:	-1.022	0.467



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. __0

TARGET NUMBER: 4

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.250	-0.482
2:	-0.053	-0.448
3:	-0.645	-0.615
4:	0.555	0.512
5:	0.568	1.003
6:	0.029	0.609
7:	0.123	0.355
8:	-0.063	0.305
9:	-0.402	0.209
10:	-0.151	-0.091

X CENTROID: 0.021

Y CENTROID: 0.136

POA TO CENTROID: 0.137

HORZ SPREAD: 1.213

VERT SPREAD: 1.618

GROUP SPREAD: 2.022

MIN RADIUS: 0.189

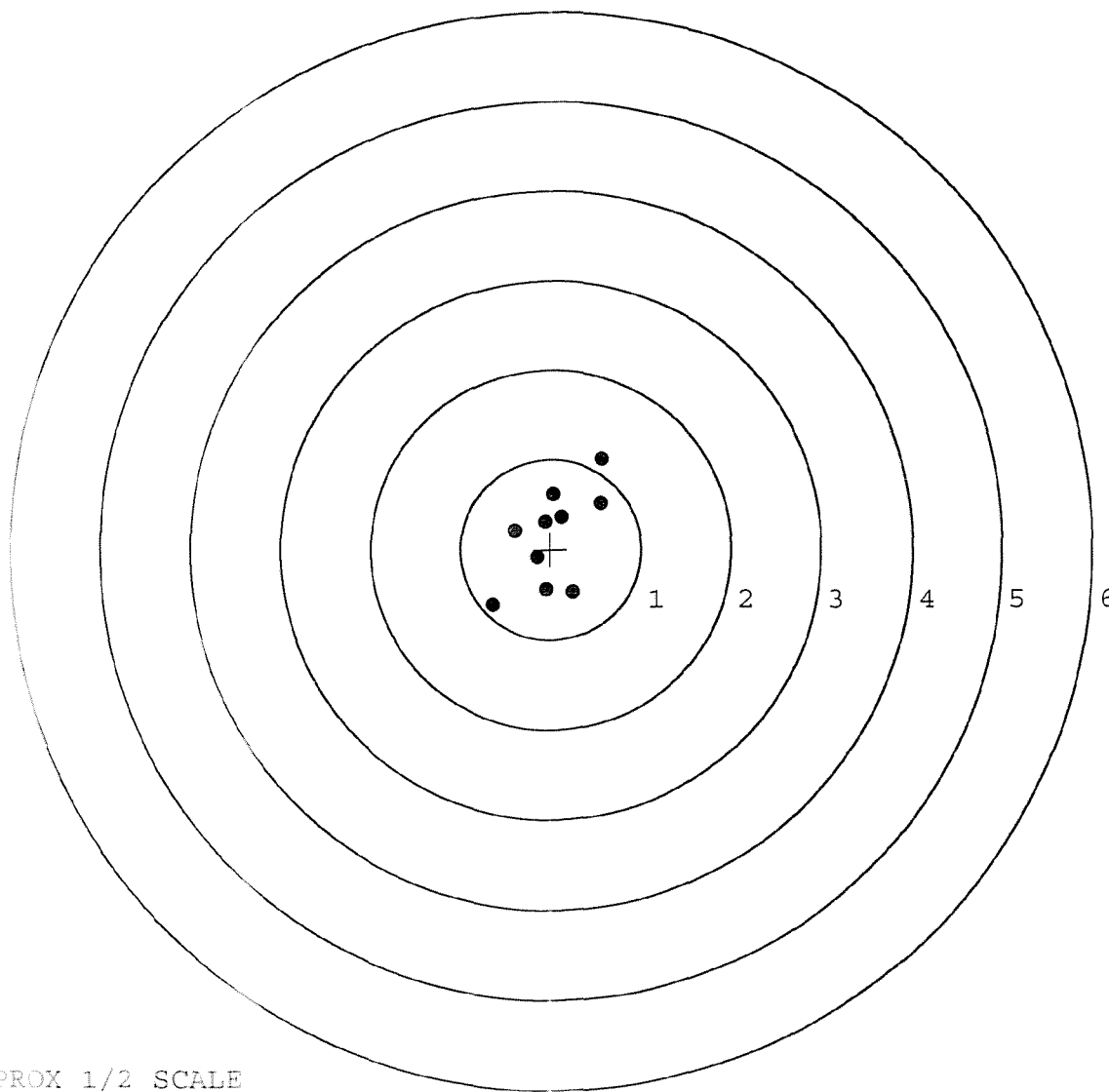
MAX RADIUS: 1.025

MEAN RADIUS: 0.555

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

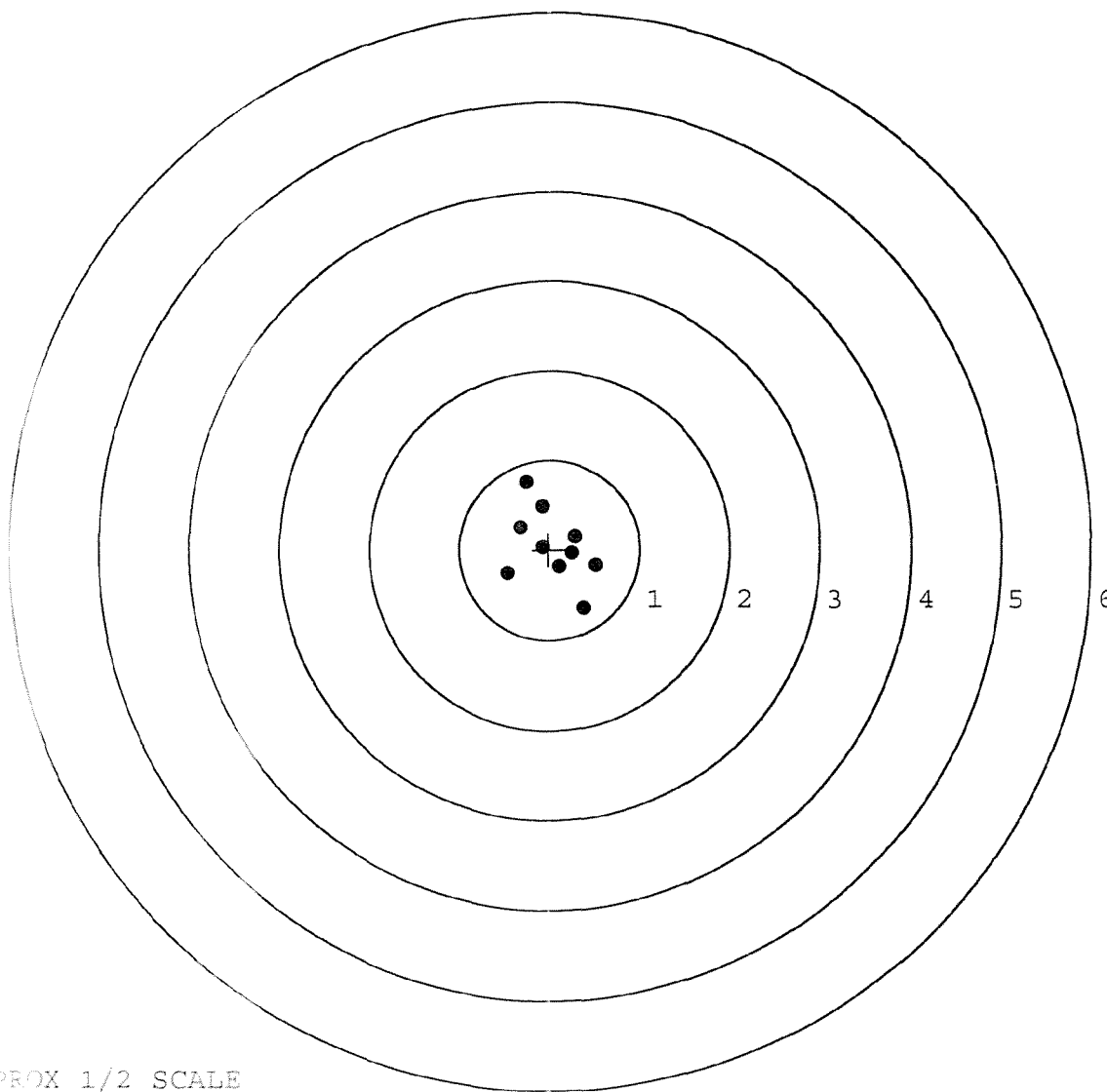


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. __0
TARGET NUMBER: 5
FILE DATE: 02/04/2004
FILE TIME: 07:55

X CENTROID: 0.038
Y CENTROID: 0.033
POA TO CENTROID: 0.050
HORZ SPREAD: 0.980
VERT SPREAD: 1.402
GROUP SPREAD: 1.541
MIN RADIUS: 0.110
MAX RADIUS: 0.778
MEAN RADIUS: 0.439
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.385	-0.647
2:	-0.254	0.755
3:	-0.074	0.485
4:	-0.325	0.251
5:	-0.462	-0.266
6:	0.288	0.140
7:	-0.072	0.029
8:	0.518	-0.177
9:	0.118	-0.194
10:	0.256	-0.042



TARGET APPROX 1/2 SCALE

R & E NUMBER	75702		
SERIAL NUMBER	C6611431		
LOG-IN DATE	1-15-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-20-04	RTL
560 A	RE-BARREL	1-22-04	RTL
B	DRILL AND TAP	1-23-04	TRW
575	ASSEMBLE	1-22-04	RTL
600	PROOF	1-22-04	RW
605	CHECK HEADSPACE	1-22-04	RW
610	DIS-ASSEMBLE GUN	1-22-04	RW
612	MAGNAFLUX ERATOR		
615	ROLLMARK CALIBER	1/29/04	B3
618	ROTO-BLAST	1/29/2004	Ans
620	APPLY COATINGS	1-29	TA
625 A	FINAL ASSEMBLY	1-30-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-4-04	TRW
655	FINAL INSPECT	2-5-04	RTL
660	PACK	2-6-04	SA
		SHIP DATE	
QAR INSPECTION DATE			




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

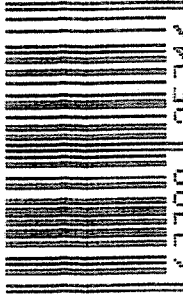
MODEL 700™ M24	SERIAL NO. C8611431
48	ORDER NO. 5716

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



5716 C8611431

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611431

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	K.S.
600	Proof		3/18/91	K.S.
607	Check Headspace		3/18/91	K.S.
610	Dis-assemble Gun		3/18/91	K.S.
612	Magnaflux Barrel Action		3/23/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	L.S.
617	Drill and Tap Sight Holes	APR 3 1991		LB
618	Polish Barrel	APR 3 1991		WB
620	Apply Coatings (Barrel Action)		4/19/91	AA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/30/91	FS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/30/91	KS
	C) Inspect Ejector Hole for Chamfer		4/30/91	KS
	D) Oil Firing Pin Ass'y		4/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-4-91	DH
	G) Safety Off Force	4	4	4			5-4-91	DH
	H) Trigger Pull Test & Retainability						5/4/91	ADJ
	I) Firing Pin Indent	.023	.023	.023			5-4-91	DH
	J) Assemble Stock						5/7/91	KS
	K) Assemble Swivel Studs						5-9-91	KS
	L) Attach Front and Rear Sight Assemblies						5/7/91	KS
	M) Iron Sight Alignment						5/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/7/91	KS
	O) Attach Scope to Rifle						5/7/91	KS
	P) Detach & Attach Scope 20 Times						5/7/91	KS
640	Gallery Target & Test						5/7/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/7/91	KT
655	Final Inspection							
	A) Headspace						5-9-91	KS
	B) Trigger Pull	2.22	2.27	2.34	2.40	2.40	5/9/91	ADJ
	C) Function						5-9-91	KS
660	Pack						6-18-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611431

DATE 5/4/91

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.48	2.50	2.22	MIN. SETTING NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.50	2.55	2.27	
PULL #3	2.57	2.34	2.48	2.34	
PULL #4	2.52	2.22	2.48	2.40	
PULL #5	2.28	2.51	2.50	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.41		
PULL #2	3.47	3.51		
PULL #3	3.39	3.49		
PULL #4	3.47	3.42		
PULL #5	3.47	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.33		4.41
PULL #2	4.17	4.36		4.49
PULL #3	4.22	4.28		4.38
PULL #4	4.17	4.29		4.27
PULL #5	4.35	4.24		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611431
7 May 1991

CENTROIDAL DISTANCES

0 TO	1	.198648
1 TO	2	.232835
1 TO	3	.321636
1 TO	4	.0713442
1 TO	5	.287814

5
4
3
2
1
0
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0686
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1934
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .205206
THE AMR FOR THIS RIFLE IS: 1.017

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CQB11431

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.516

VS = 3.342

GS = 3.687

CENTROID *

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.356	1.293	1.140
MINIMUM X	-1.160	-1.223	-.671
MAXIMUM Y	1.987	1.723	.954
MINIMUM Y	-1.355	-1.134	-.918
CENTROID X	-.094	-.031	.122
CENTROID Y	.175	-.045	-.261
POA TO CENTROID in.	.199	.055	.288
MIN RADIUS	.190	.306	.325
MEAN RADIUS	1.061	.894	.728
MAX RADIUS	2.066	2.113	1.487
HORIZONTAL SPREAD	2.516	2.516	1.811
VERTICAL SPREAD	3.342	2.857	1.872
EXTREME SPREAD	3.687	3.577	2.227
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611431

CENTERFIRE PATTERNS # 2

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.729

VS = 2.752

GS = 2.921

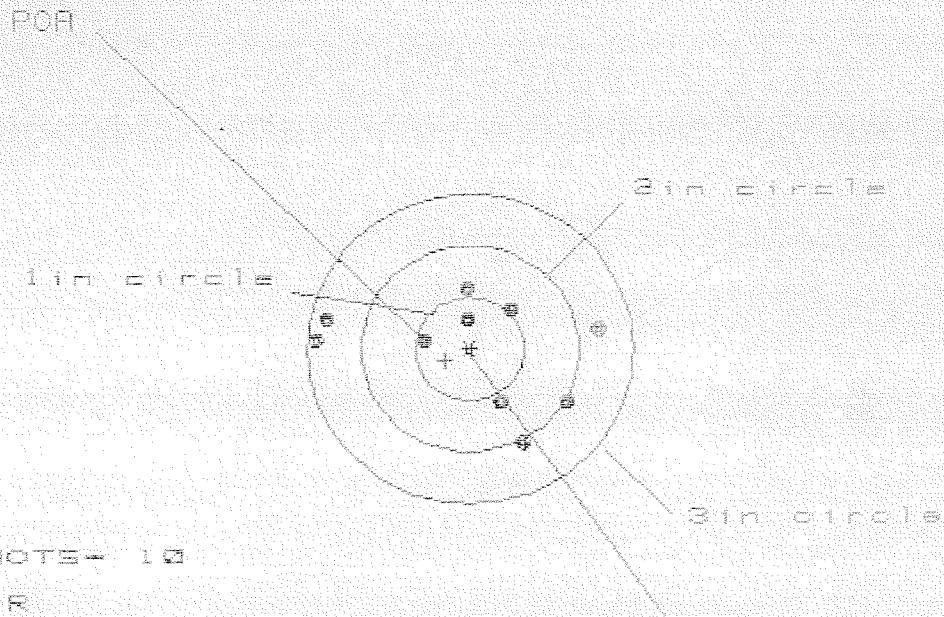
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.268	1.162	.966
MINIMUM X	-1.461	-1.567	-1.079
MAXIMUM Y	1.302	.951	.998
MINIMUM Y	-1.450	-1.306	-1.259
CENTROID X	.132	.238	.433
CENTROID Y	.119	-.025	-.072
POB TO CENTROID in.	.178	.239	.439
MIN RADIUS	.312	.226	.036
MEAN RADIUS	.961	.864	.738
MAX RADIUS	1.611	1.611	1.288
HORIZONTAL SPREAD	2.729	2.729	2.045
VERTICAL SPREAD	2.752	2.257	2.257
EXTREME SPREAD	2.921	2.814	2.445
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511431

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.653

VS = 1.563

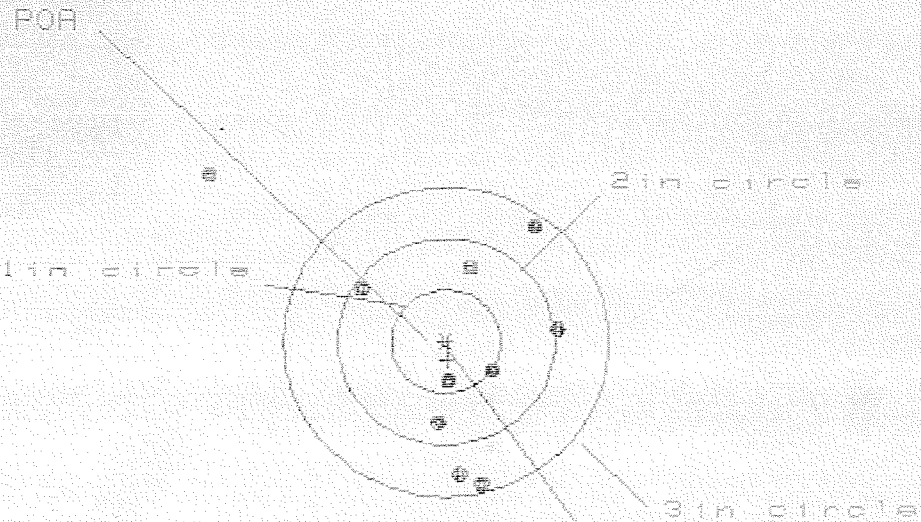
GS = 2.659

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.288	1.047	.860
MINIMUM X	:	-1.445	-1.502	-.734
MAXIMUM Y	:	.606	.611	.654
MINIMUM Y	:	-.957	-.952	-.909
CENTROID X	:	.221	.382	.570
CENTROID Y	:	.110	.105	.062
POA TO CENTROID in.	:	.247	.396	.573
MIN RADIUS	:	.256	.317	.447
MEAN RADIUS	:	.855	.778	.679
MAX RADIUS	:	1.446	1.540	.925
HORIZONTAL SPREAD	:	2.653	2.549	1.593
VERTICAL SPREAD	:	1.563	1.563	1.563
EXTREME SPREAD	:	2.659	2.551	1.667
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611431

CENTERFIRE PATTERNS # 4



* OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 3.228

VS= 2.997

GS= 3.931

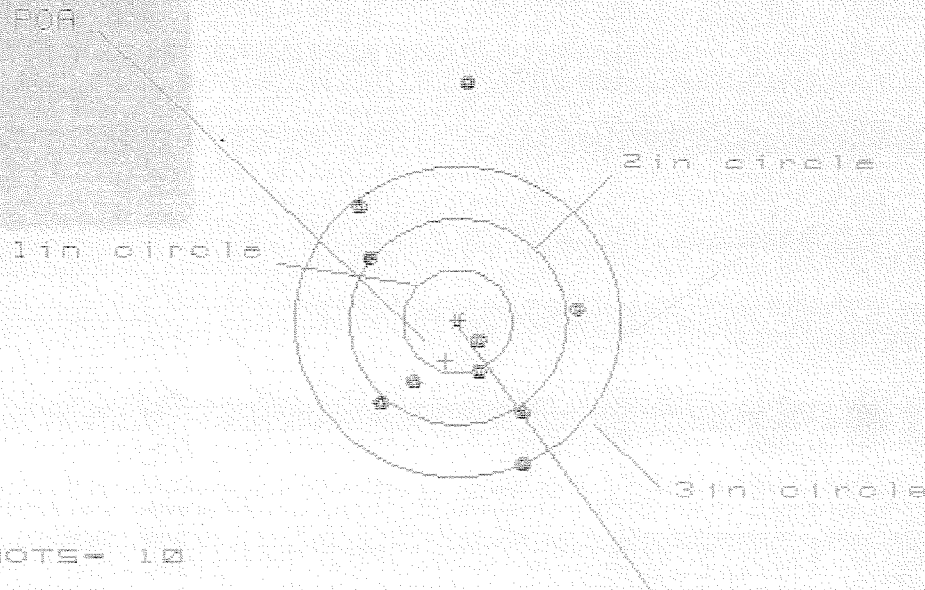
CENTROID *

PATTERN #	1	2	3	4
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.047	.804	.819	
MINIMUM X	-2.181	-1.069	-1.054	
MAXIMUM Y	1.603	1.247	1.095	
MINIMUM Y	-1.393	-1.215	-1.263	
CENTROID X	-.023	.220	.205	
CENTROID Y	.182	.003	.155	
POA TO CENTROID in.	.183	.220	.257	
MIN RADIUS	.341	.212	.320	
MEAN RADIUS	1.127	.893	.853	
MAX RADIUS	2.787	1.393	1.268	
HORIZONTAL SPREAD	3.228	1.973	1.873	
VERTICAL SPREAD	2.997	2.462	2.358	
EXTREME SPREAD	3.931	2.508	2.466	
NUMBER IN ONE INCH CIRCLE =	1			
NUMBER IN TWO INCH CIRCLE =	5			
NUMBER IN THREE INCH CIRCLE =	9			

7 May 1981

FILE: PATTERNING/CENTERFIRE_PATT/CGB11431

CENTERFIRE PATTERNS # 5



* OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 1.941

VS= 3.680

GS= 3.720

CENTROID #

PATTERN #	:	5	6	7
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.084	1.093	1.172
MINIMUM X	:	-.857	-.848	-.769
MAXIMUM Y	:	2.328	1.391	1.254
MINIMUM Y	:	-1.352	-1.093	-.746
CENTROID X	:	.107	.098	.019
CENTROID Y	:	.381	.122	.259
POA TO CENTROID in.	:	.396	.157	.260
MIN RADIUS	:	.200	.240	.310
MEAN RADIUS	:	1.082	.875	.849
MAX RADIUS	:	2.329	1.629	1.471
HORIZONTAL SPREAD	:	1.941	1.941	1.941
VERTICAL SPREAD	:	3.680	2.484	2.000
EXTREME SPREAD	:	3.720	2.890	2.454
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		