

C6611713

MODEL 700™ M24

Model SMS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

* Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00067651

Serial: C6611713 Model 700 Center Fire Caliber: 7
62 NATO M24 SWS

Repairman:

Verify Repair

Status:

Closed 7/15/2003 11:31:55 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: SUPPLY SERVICES DIV DOL

SUPPLY SERVICES DIV DOL

Address 1: AFZC DL S SD

AFZC DL S SD

Address 2: BLDG 330

PO Box:

BLDG 330

PO Box:

City: FORT CARSON

FORT CARSON

State: CO

Zip Code: 80913

Country: US

State: CO

Zip Code: 80913

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
A016	Scope Mounts	2
A017	Scope Base	1

Repair Search

Refresh

Close

naglelj

7/25/2003

7:21 AM

CAPS

NUM

INS

SCAL



5 Microsoft O...

3 Microsoft E...

Arms Services R...

Part Search by ...

2 Internet E...

7:21 AM

Serial Number: C6611713

Model: 700



RE00067651

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611713.___0
FILE DATE AND TIME: 08/05/2003 06:42

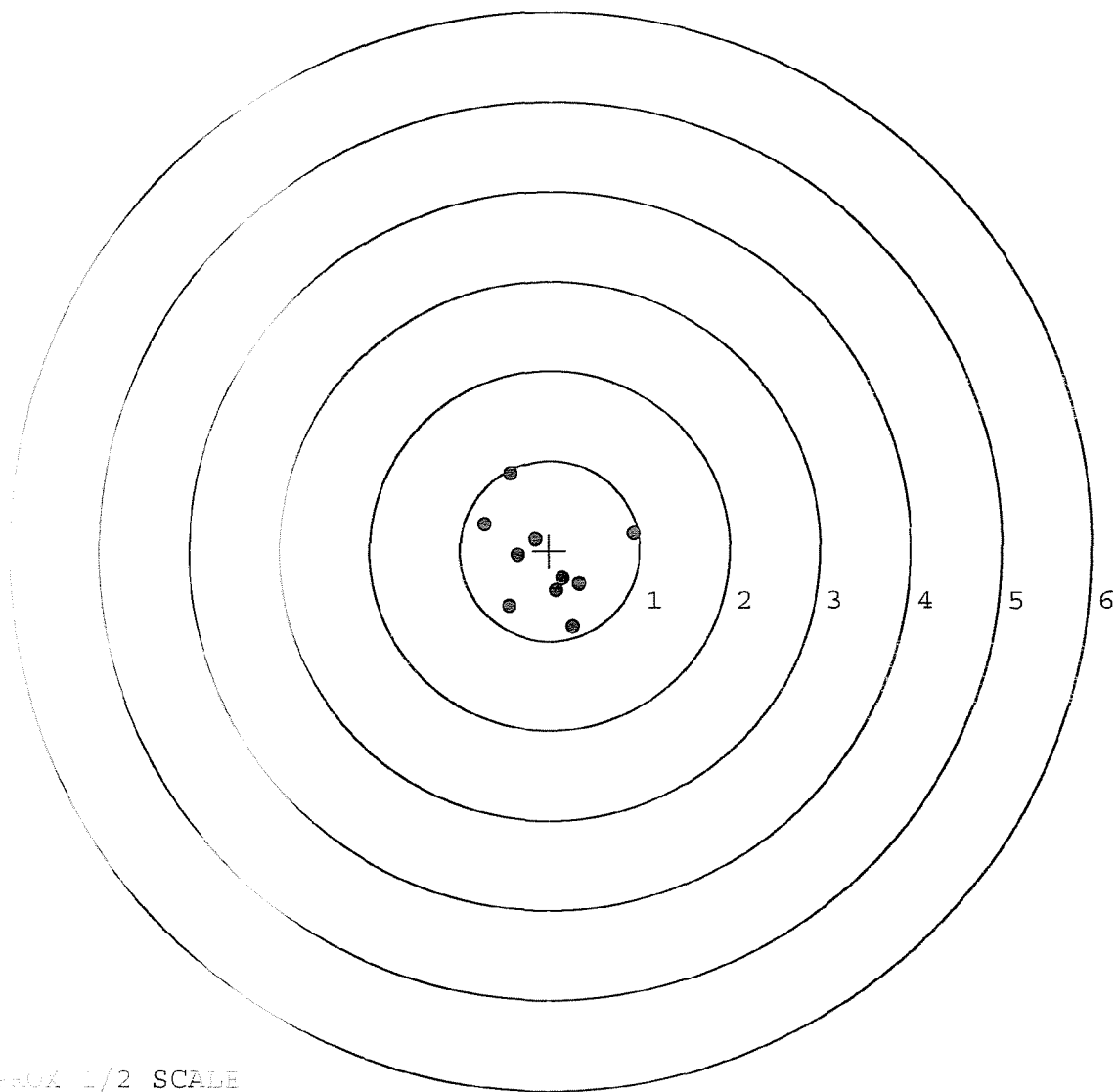
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.037
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	0.547
The Distance from POA to Centroid Target #1:	0.125
The Distance from Centroid Target #2 to Centroid Target #1:	0.301
The Distance from Centroid Target #3 to Centroid Target #1:	0.130
The Distance from Centroid Target #4 to Centroid Target #1:	0.174
The Distance from Centroid Target #5 to Centroid Target #1:	0.151

SERIAL NUMBER: C6611713.0
TARGET NUMBER: 1
FILE DATE: 08/05/2003
FILE TIME: 06:42

X CENTROID: -0.042
Y CENTROID: -0.118
POA TO CENTROID: 0.115
HORZ SPREAD: 1.657
VERT SPREAD: 1.609
GROUP SPREAD: 1.837
MIN RADIUS: 0.265
MAX RADIUS: 1.031
MEAN RADIUS: 0.586
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.445	0.852
2:	-0.727	0.293
3:	-0.171	0.131
4:	-0.355	-0.055
5:	-0.447	-0.622
6:	0.254	-0.847
7:	0.930	0.188
8:	0.140	-0.311
9:	0.327	-0.369
10:	0.076	-0.442



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611713.0

TARGET NUMBER: 2

FILE DATE: 08/05/2003

FILE TIME: 06:42

POINT#	X	Y
1:	0.298	1.488
2:	-0.064	0.774
3:	-0.044	0.570
4:	0.379	0.332
5:	0.458	-0.227
6:	0.041	-0.030
7:	-0.055	0.130
8:	-0.429	0.154
9:	-0.941	-0.615
10:	0.048	-0.749

X CENTROID: -0.031

Y CENTROID: 0.183

POA TO CENTROID: 0.185

HORZ SPREAD: 1.239

VERT SPREAD: 2.277

GROUP SPREAD: 2.441

MIN RADIUS: 0.052

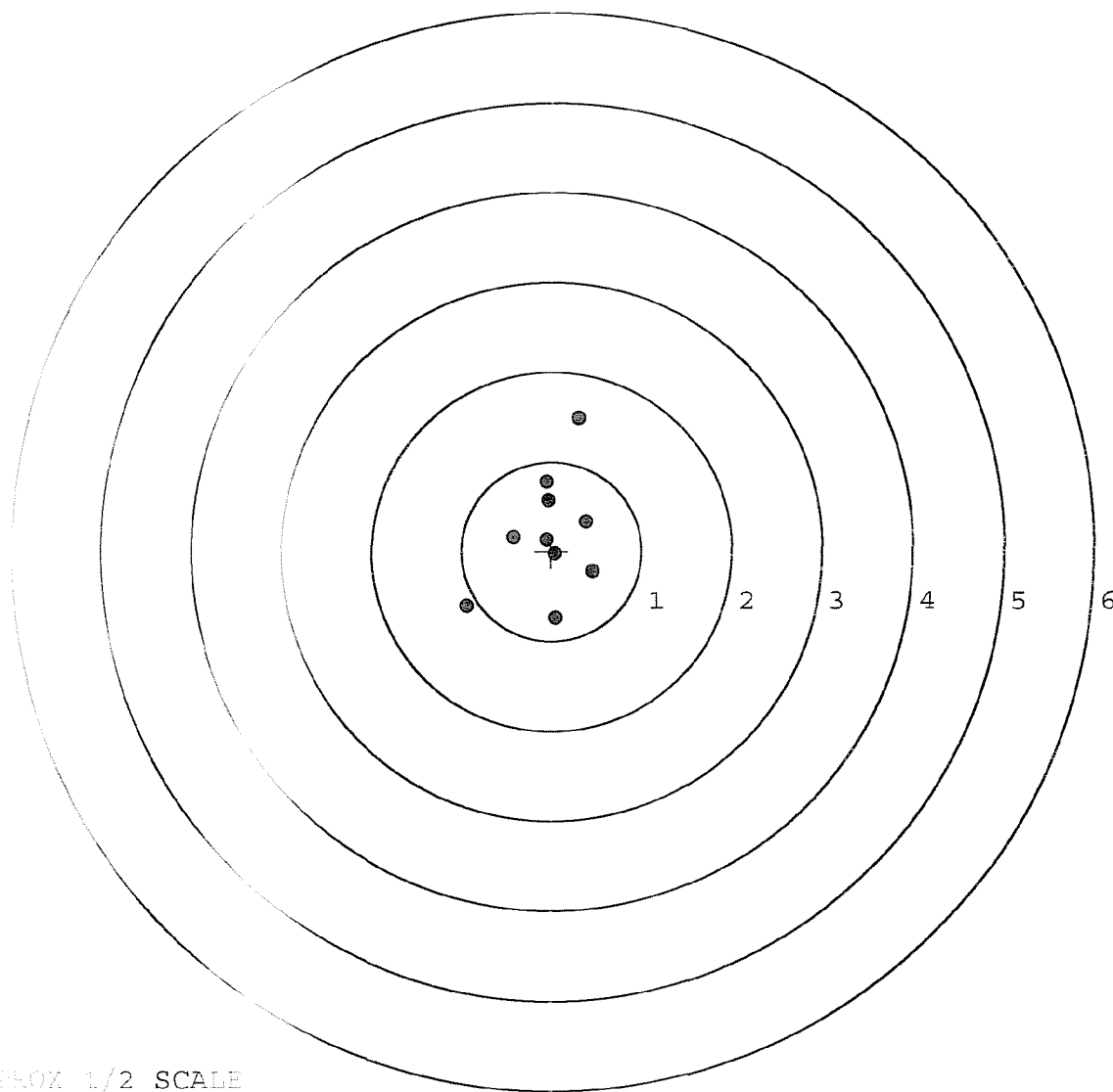
MAX RADIUS: 1.246

MEAN RADIUS: 0.603

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

IN 3 IN DIAMETER: 1

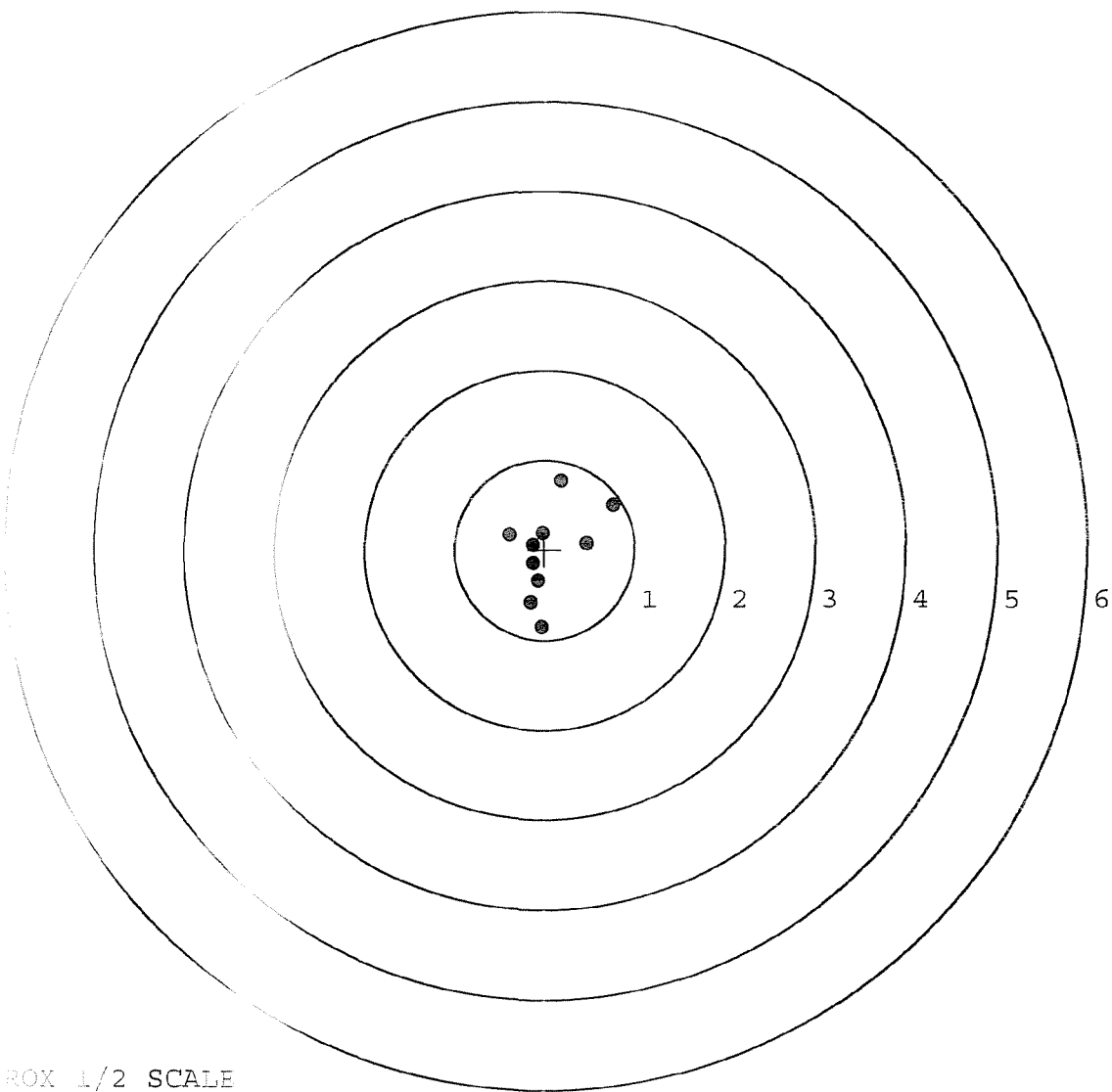


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611713. 0
TARGET NUMBER: 3
FILE DATE: 08/05/2003
FILE TIME: 06:42

POINT#	X	Y
1:	0.186	0.770
2:	0.754	0.499
3:	0.464	0.073
4:	-0.025	0.182
5:	-0.394	0.166
6:	-0.131	0.049
7:	-0.128	-0.157
8:	-0.075	-0.353
9:	-0.160	-0.589
10:	-0.035	-0.862

X CENTROIL: 0.046
Y CENTROIL: -0.022
POA TO CENTROIL: 0.051
HORZ SPREAD: 1.148
VERT SPREAD: 1.632
GROUP SPREAD: 1.573
MIN RADIUS: 0.190
MAX RADIUS: 0.879
MEAN RADIUS: 0.591
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 17
in 3 IN DIAMETER: 27

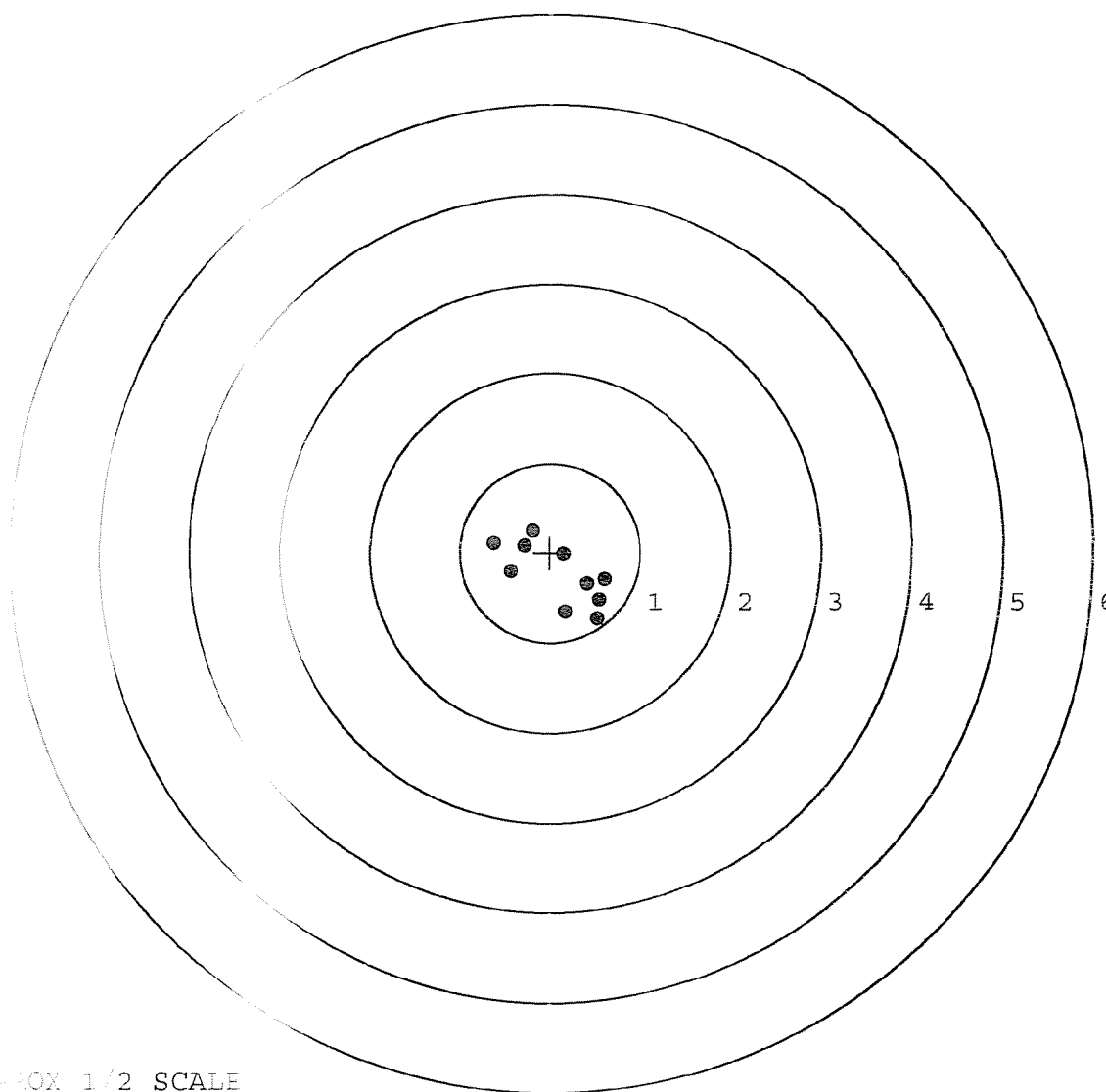


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611713. 0
TARGET NUMBER: 4
FILE DATE: 08/05/2003
FILE TIME: 06:42

POINT#	X	Y
1:	0.171	-0.663
2:	0.522	-0.740
3:	0.408	-0.352
4:	0.605	-0.304
5:	0.541	-0.530
6:	0.150	-0.018
7:	-0.202	0.246
8:	-0.640	0.111
9:	-0.437	-0.210
10:	-0.283	0.077

X CENTROID: 0.044
Y CENTROID: -0.238
POA TO CENTROID: 0.253
HORZ SPREAD: 1.245
VERT SPREAD: 0.935
GROUP SPREAD: 1.440
MIN RADIUS: 0.270
MAX RADIUS: 0.803
MEAN RADIUS: 0.511
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 11
IN 3 IN DIAMETER: 1

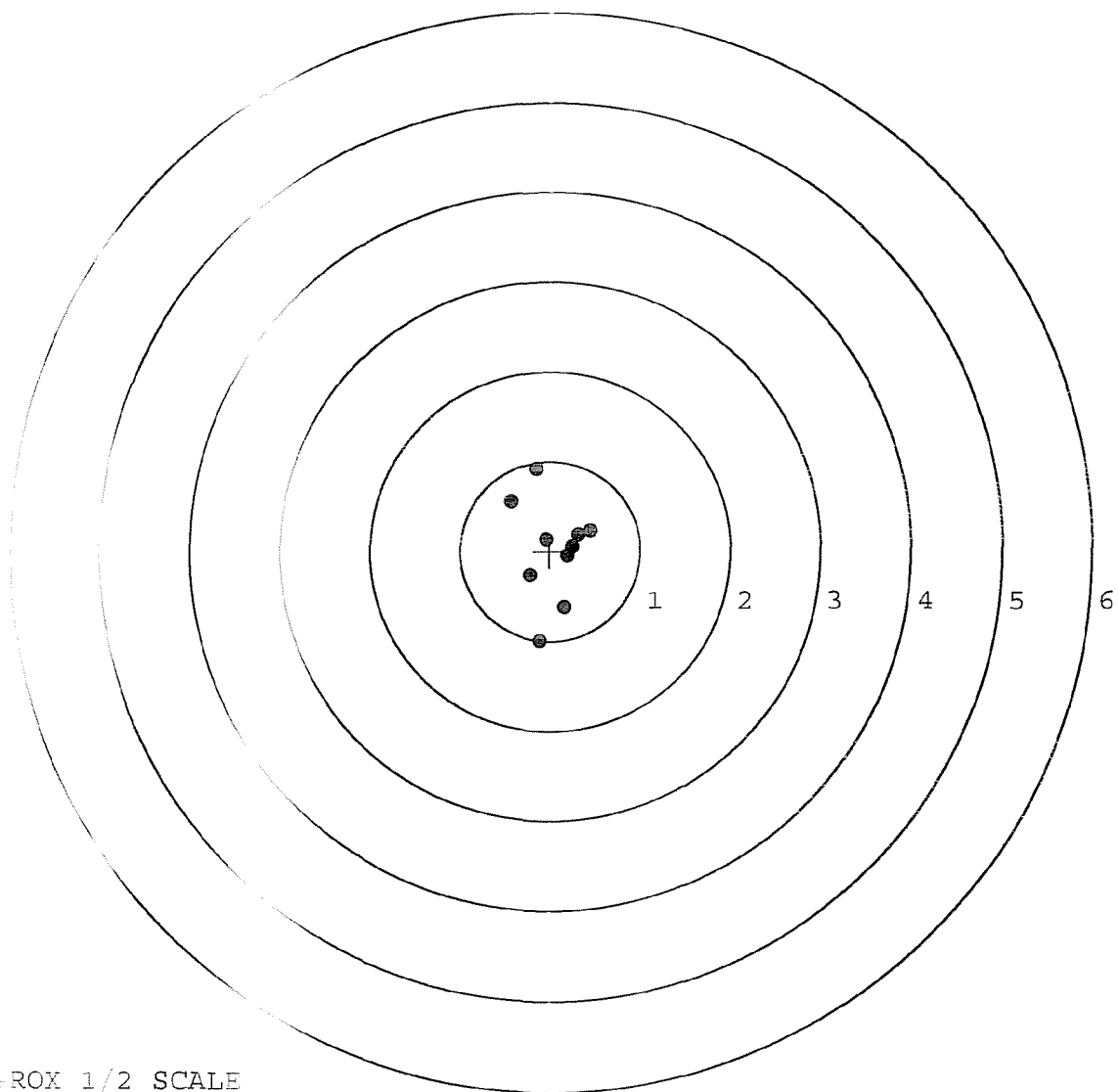


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 05611713.0
TARGET NUMBER: 5
FILE DATE: 08/09/2003
FILE TIME: 06:42

POINT#	X	Y
1:	-0.155	0.917
2:	-0.434	0.548
3:	0.449	0.227
4:	-0.046	0.130
5:	0.198	-0.058
6:	-0.225	-0.274
7:	0.165	-0.631
8:	-0.118	-1.001
9:	0.252	0.053
10:	0.314	0.181

X CENTROID: 0.040
Y CENTROID: 0.009
POA TO CENTROID: 0.041
HORZ SPREAD: 0.843
VERT SPREAD: 1.918
GROUP SPREAD: 1.918
MIN RADIUS: 0.148
MAX RADIUS: 1.011
MEAN RADIUS: 0.519
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
IN 3 IN DIAMETER: 17



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

[illegible]




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

MODEL 700™ M24

4.6

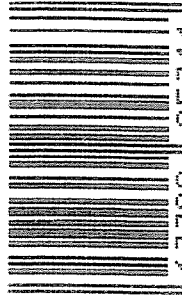
SERIAL NO.
C6611713

ORDER NO.
5716

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

REQ. U.S. PAT. & Tm. OFF.

UPC



0 47700 25716 7



5716 C6611713

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611713

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	LI
615	Rollmark Caliber	APR	2 1991	JS
617	Drill and Tap Sight Holes	APR	5 1991	LB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
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		4/17/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/18/91	RL
	G) Safety Off Force	4	4	4			4/18/91	RL
	H) Trigger Pull Test & Retainability						4/17/91	RL
	I) Firing Pin Indent	.023	.023	.023			4/18/91	RL
	J) Assemble Stock						4/22/91	RL
	K) Assemble Swivel Studs						4-24-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/22/91	RL
	M) Iron Sight Alignment						4/22/91	RL
	N) Detach Front & Rear Sights & place in numbered container						4/22/91	RL
	O) Attach Scope to Rifle						4/22/91	RL
	P) Detach & Attach Scope 20 Times						4/22/91	RL
640	Gallery Target & Test						4/22/91	KL
	A) Time						"	KL
	B) Malfunctions						"	KL
	C) Pierced Primers						"	KL
	D) Optical Clarity of Scope						"	KL
645	Inspect for Live Ammo						4/22/91	KL
655	Final Inspection							
	A) Headspace						4-24-91	D/H
	B) Trigger Pull	2.31	2.29	2.30	2.30	2.41	4/23/91	RL
	C) Function						4-24-91	D/H
660	Pack						6-18-91	NF

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611713
22 Apr 1991

CENTROIDAL DISTANCES

0	TO	1	.154768
1	TO	2	.165424
1	TO	3	.181893
1	TO	4	.363804
1	TO	5	.360462

弹 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .053
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .022
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0573847

THE AMR FOR THIS RIFLE IS: .78

22 Apr 1991

FILE: \PATTERNING\CENTERFIRE_PATT\C8B11713

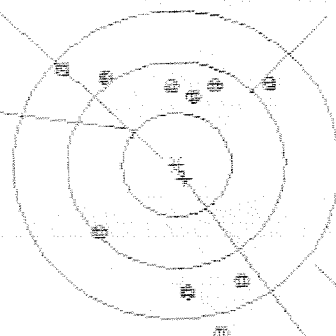
CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 5

HS = 1.821

VS = 2.530

GS = 2.888

CENTROID *

PATTERN #

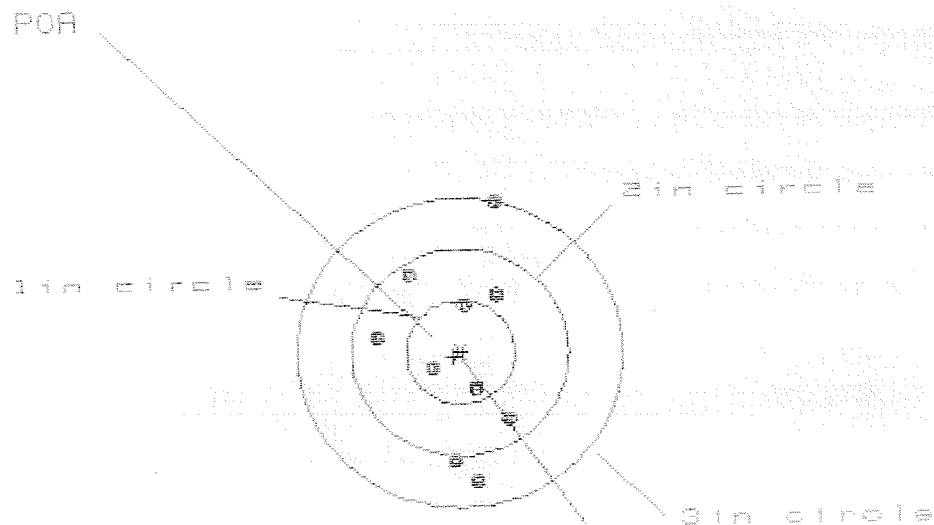
1

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.825	.869	.750
MINIMUM X	-.996	-.952	-.757
MAXIMUM Y	.929	.751	.729
MINIMUM Y	-1.601	-1.407	-1.314
CENTROID X	-.072	-.116	.003
CENTROID Y	.137	.315	.222
POA TO CENTROID in.	.155	.336	.222
MIN RADIUS	.632	.476	.535
MEAN RADIUS	1.089	.983	.965
MAX RADIUS	1.650	1.470	1.335
HORIZONTAL SPREAD	1.821	1.821	1.507
VERTICAL SPREAD	2.530	2.158	2.043
EXTREME SPREAD	2.888	2.615	2.310
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CAB11713

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.229

VS = 2.689

GS = 2.696

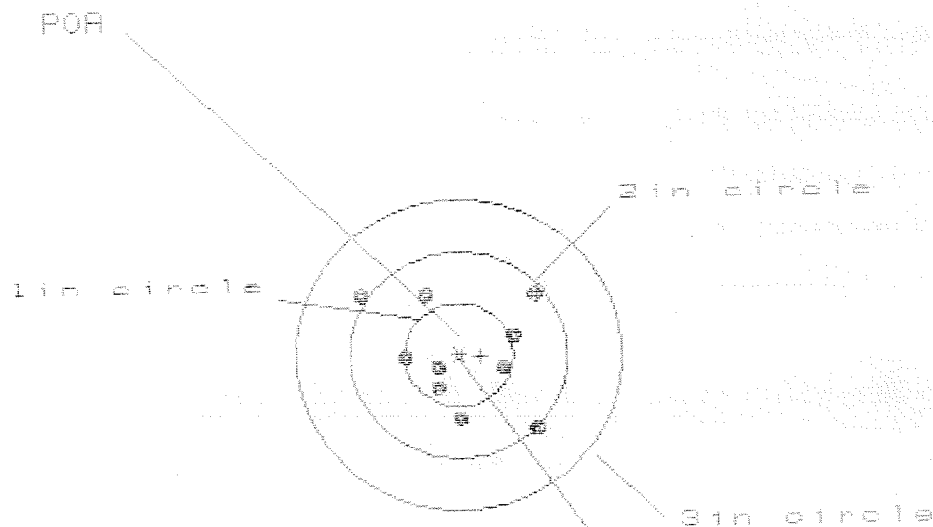
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.462	.499	.521
MINIMUM X	-.767	-.730	-.700
MAXIMUM Y	1.447	.893	.750
MINIMUM Y	-1.242	-1.081	-1.062
CENTROID X	.062	.025	.003
CENTROID Y	.040	-.121	.014
POA TO CENTROID in.	.073	.123	.015
MIN RADIUS	.261	.207	.197
MEAN RADIUS	.804	.716	.659
MAX RADIUS	1.484	1.095	1.062
HORIZONTAL SPREAD	1.229	1.229	1.229
VERTICAL SPREAD	2.689	1.974	1.820
EXTREME SPREAD	2.696	2.062	1.865
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611713

CENTERFIRE PATTERNS # 3



OF SHOTS= 10
 # IN CIR
 1 in = 3
 2 in = 8
 3 in = 10
 HS= 1.625
 VS= 1.379
 GS= 2.068

CENTROID #

PATTERN #

3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.686	.582	.651
MINIMUM X	-.939	-.609	-.540
MAXIMUM Y	.625	.687	.600
MINIMUM Y	-.754	-.692	-.685
CENTROID X	-.206	-.102	-.171
CENTROID Y	.014	-.048	.039
POA TO CENTROID in.	.207	.112	.175
MIN RADIUS	.257	.334	.299
MEAN RADIUS	.637	.581	.539
MAX RADIUS	1.093	.900	.885
HORIZONTAL SPREAD	1.625	1.191	1.191
VERTICAL SPREAD	1.379	1.379	1.205
EXTREME SPREAD	2.068	1.631	1.407
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/G6611713

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

* OF SHOTS= 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HE= 1.393

VS= 1.491

GS= 1.897

CENTROID *

PATTERN #

4

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.619	.533	.445
MINIMUM X	-.774	-.726	-.814
MAXIMUM Y	.717	.664	.593
MINIMUM Y	-.774	-.694	-.765
CENTROID X	.220	.306	.394
CENTROID Y	-.080	-.160	-.089
POA TO CENTROID in.	.234	.345	.404
MIN RADIUS	.104	.152	.251
MEAN RADIUS	.658	.611	.563
MAX RADIUS	1.855	.907	.827
HORIZONTAL SPREAD	1.393	1.259	1.239
VERTICAL SPREAD	1.491	1.358	1.358
EXTREME SPREAD	1.897	1.572	1.443
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CS611713

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.258

VS= 2.238

GS= 2.249

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

5

10

9

8

.800

.799

.761

-.458

-.459

-.497

1.374

1.441

.455

-.864

-.711

-.531

.261

.262

.300

-.001

-.154

-.334

.261

.304

.449

.171

.133

.163

.712

.590

.454

1.374

1.472

.839

1.258

1.258

1.258

2.238

2.152

.986

2.249

2.212

1.267

3

8

10

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6611713

DATE 4/17/91

TESTER J.P.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.47	2-25	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.40	2.30	2.29	
PULL #3	2.37	2.44	2.44	2.30	
PULL #4	2.39	2.50	2.46	2.30	
PULL #5	2.57	2.44	2.58	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.50		
PULL #2	3.23	3.20		
PULL #3	3.40	3.28		
PULL #4	3.37	3.19		
PULL #5	3.40	3.19		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.39		4.47
PULL #2	4.48	4.50		4.42
PULL #3	4.48	4.54		4.24
PULL #4	4.53	4.34		4.24
PULL #5	4.44	4.32		4.21
TOTAL				
AVG.				