

C6611414

MODEL 700™ M24

Model SMS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



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: **RE00087061** Serial: C6611414 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 9:29:59 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** 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: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search Refresh Close

negletj 10/27/2004 11:58 AM CAPS NUM INS SCPL

start 2 Arms Services 3 2

Serial Number: **C6611414**

Model: **M24 SWS**

RE00087061

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611414.___0
FILE DATE AND TIME: 11/12/2004 21:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.065
The Average Y Centroid of the Five Target Set:	0.008
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.678
The Distance from POA to Centroid Target #1:	0.247
The Distance from Centroid Target #2 to Centroid Target #1:	0.322
The Distance from Centroid Target #3 to Centroid Target #1:	0.270
The Distance from Centroid Target #4 to Centroid Target #1:	0.171
The Distance from Centroid Target #5 to Centroid Target #1:	0.269

SERIAL NUMBER: C6611414. __0

TARGET NUMBER: 1

FILE DATE: 11/12/2004

FILE TIME: 21:52

POINT#	X	Y
1:	1.256	-0.127
2:	1.323	0.237
3:	1.306	1.110
4:	0.452	0.490
5:	0.095	-0.478
6:	0.123	-0.256
7:	-0.337	-0.151
8:	-0.454	0.140
9:	-0.420	0.501
10:	-1.234	-0.187

X CENTROID: 0.211

Y CENTROID: 0.128

POA TO CENTROID: 0.247

HORZ SPREAD: 2.557

VERT SPREAD: 1.588

GROUP SPREAD: 2.852

MIN RADIUS: 0.394

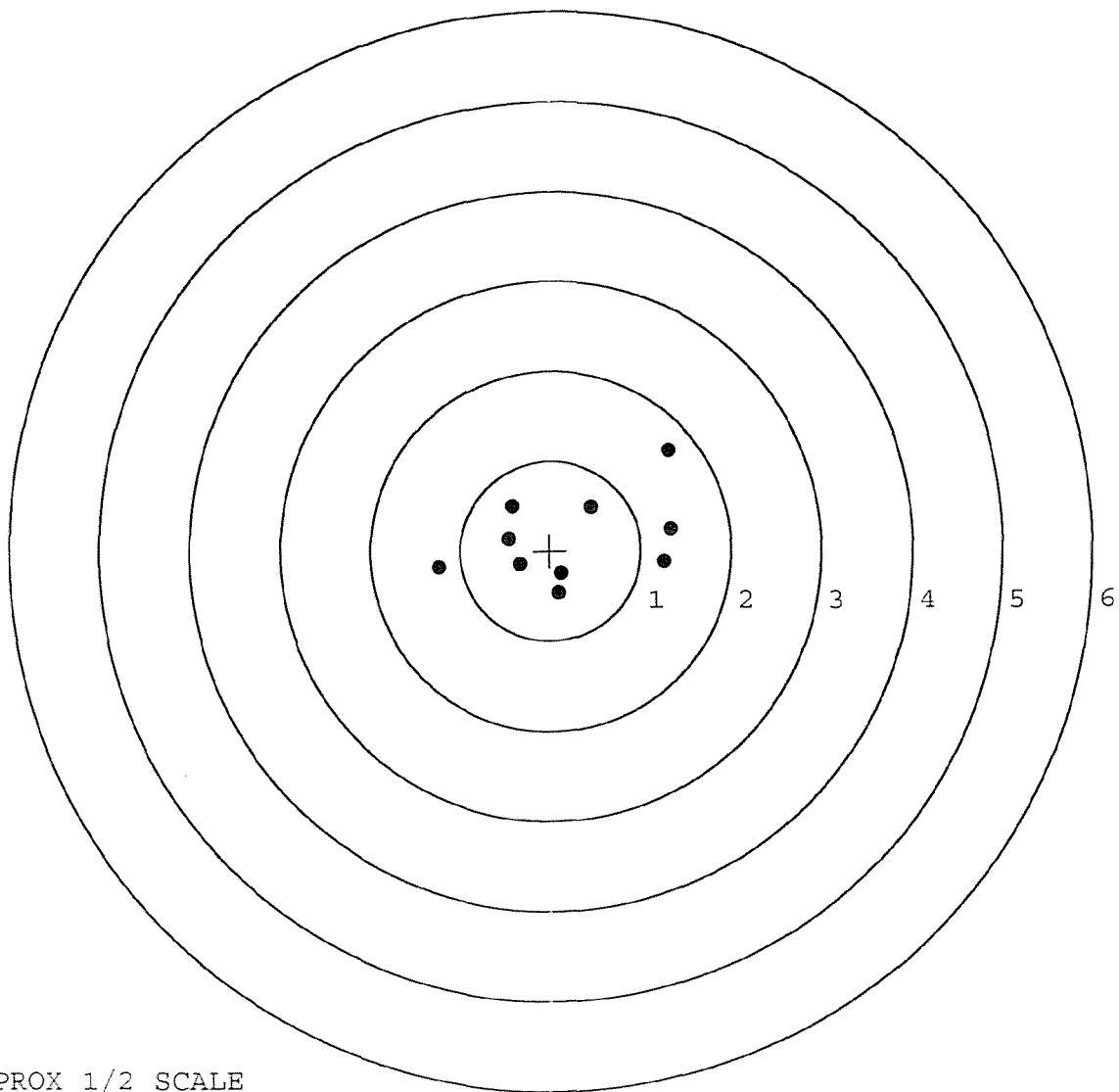
MAX RADIUS: 1.479

MEAN RADIUS: 0.860

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611414. __0

TARGET NUMBER: 2

FILE DATE: 11/12/2004

FILE TIME: 21:52

POINT#	X	Y
1:	0.384	-0.610
2:	0.659	-0.214
3:	0.268	0.189
4:	0.164	0.438
5:	0.066	0.031
6:	-0.110	0.641
7:	-0.459	0.189
8:	-0.231	-0.377
9:	-0.564	-0.287
10:	-0.812	-0.404

X CENTROID: -0.063

Y CENTROID: -0.040

POA TO CENTROID: 0.075

HORZ SPREAD: 1.471

VERT SPREAD: 1.251

GROUP SPREAD: 1.483

MIN RADIUS: 0.148

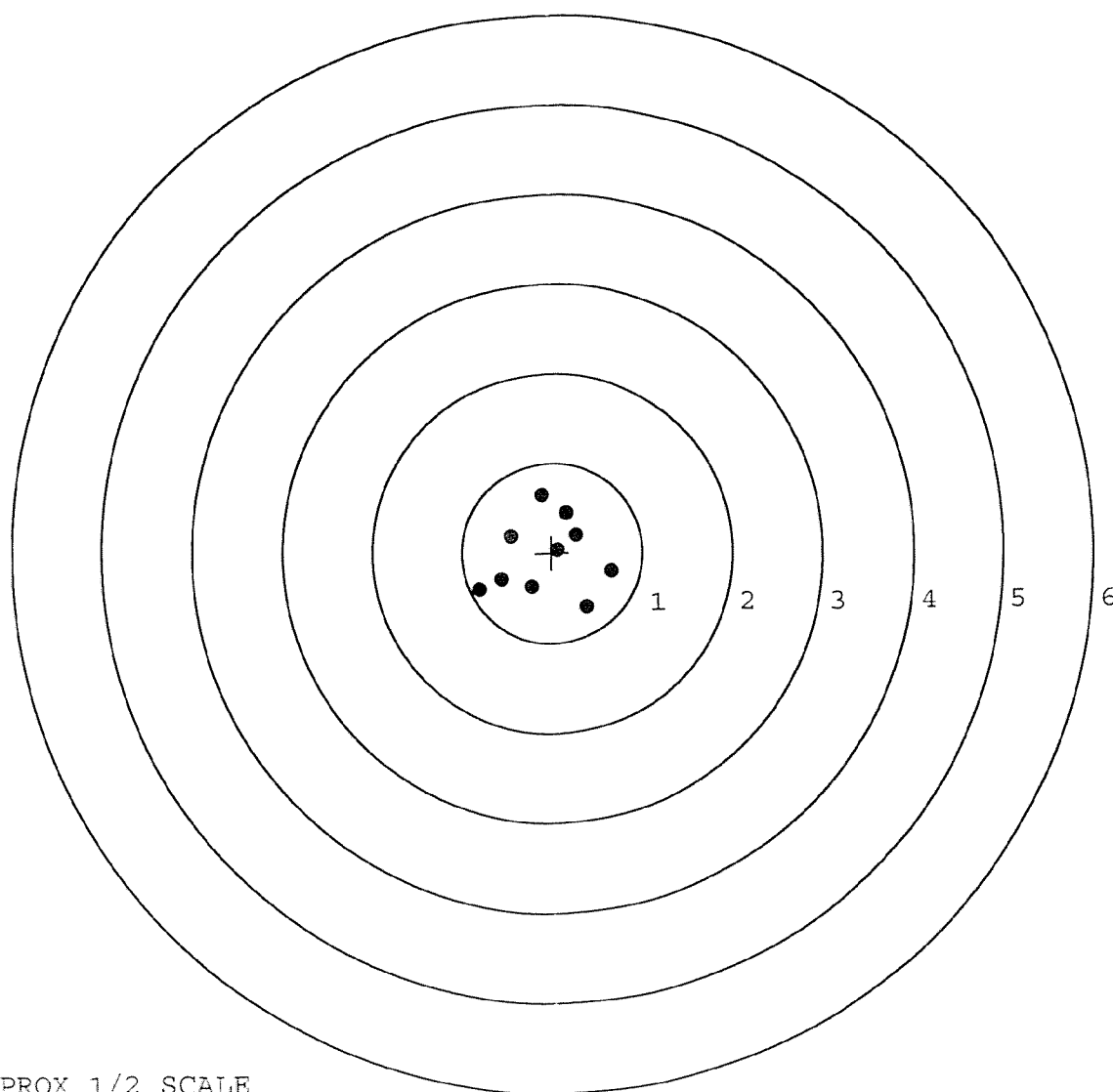
MAX RADIUS: 0.832

MEAN RADIUS: 0.545

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

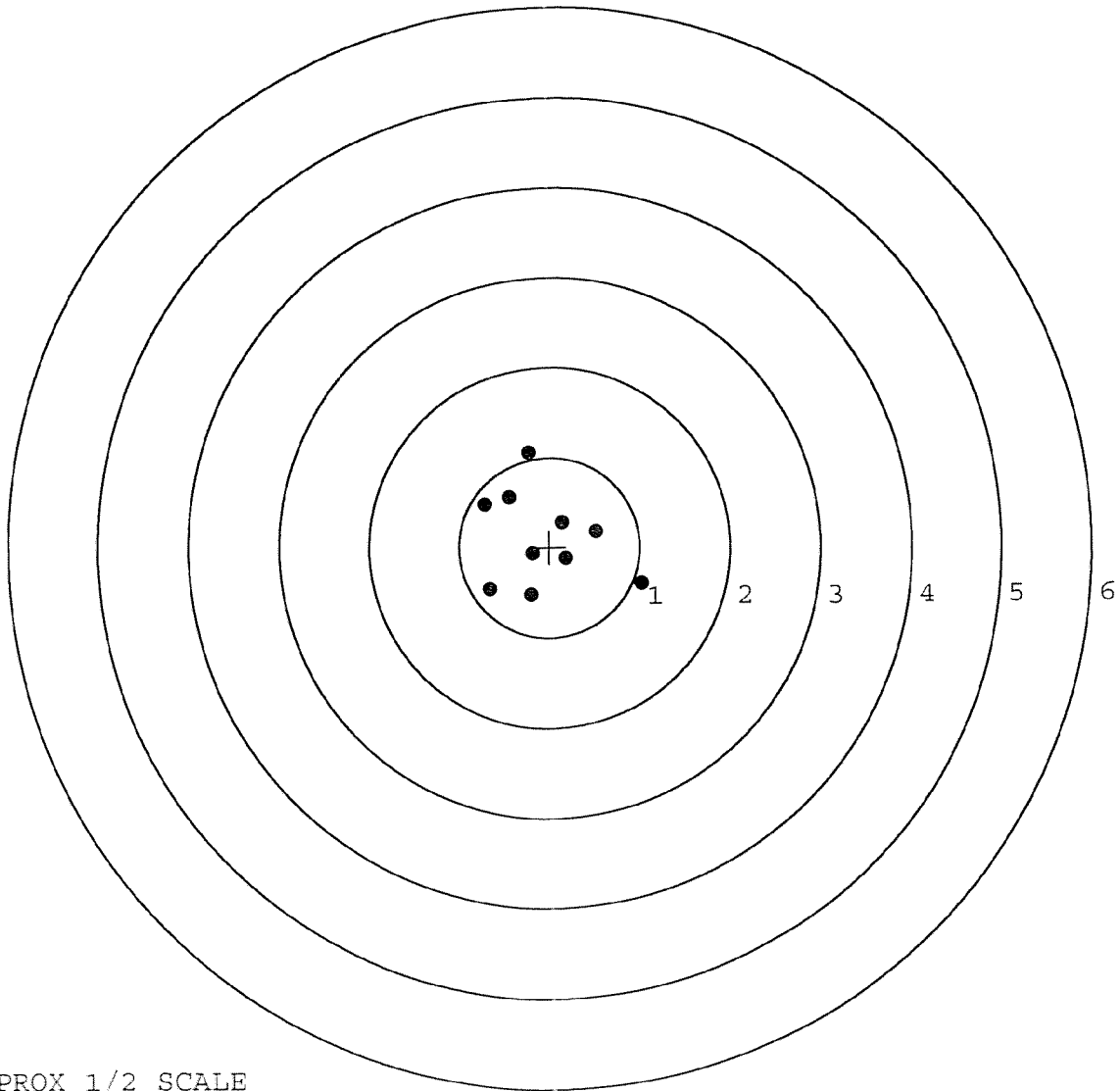


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611414. __0
 TARGET NUMBER: 3
 FILE DATE: 11/12/2004
 FILE TIME: 21:52

POINT#	X	Y
1:	1.017	-0.417
2:	0.515	0.168
3:	0.143	0.278
4:	-0.441	0.566
5:	-0.708	0.482
6:	-0.225	1.057
7:	-0.662	-0.466
8:	-0.207	-0.533
9:	0.186	-0.128
10:	-0.191	-0.072

X CENTROID: -0.057
 Y CENTROID: 0.093
 POA TO CENTROID: 0.110
 HORZ SPREAD: 1.725
 VERT SPREAD: 1.590
 GROUP SPREAD: 1.945
 MIN RADIUS: 0.213
 MAX RADIUS: 1.189
 MEAN RADIUS: 0.639
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611414. __0

TARGET NUMBER: 4

FILE DATE: 11/12/2004

FILE TIME: 21:52

POINT#	X	Y
1:	1.125	-0.544
2:	0.630	-0.066
3:	0.983	0.397
4:	0.267	-0.106
5:	-0.062	-0.863
6:	-0.153	-0.236
7:	-0.761	-0.036
8:	-0.162	0.466
9:	-0.884	0.744
10:	0.464	-0.051

X CENTROID: 0.145

Y CENTROID: -0.030

POA TO CENTROID: 0.148

HORZ SPREAD: 2.009

VERT SPREAD: 1.607

GROUP SPREAD: 2.386

MIN RADIUS: 0.144

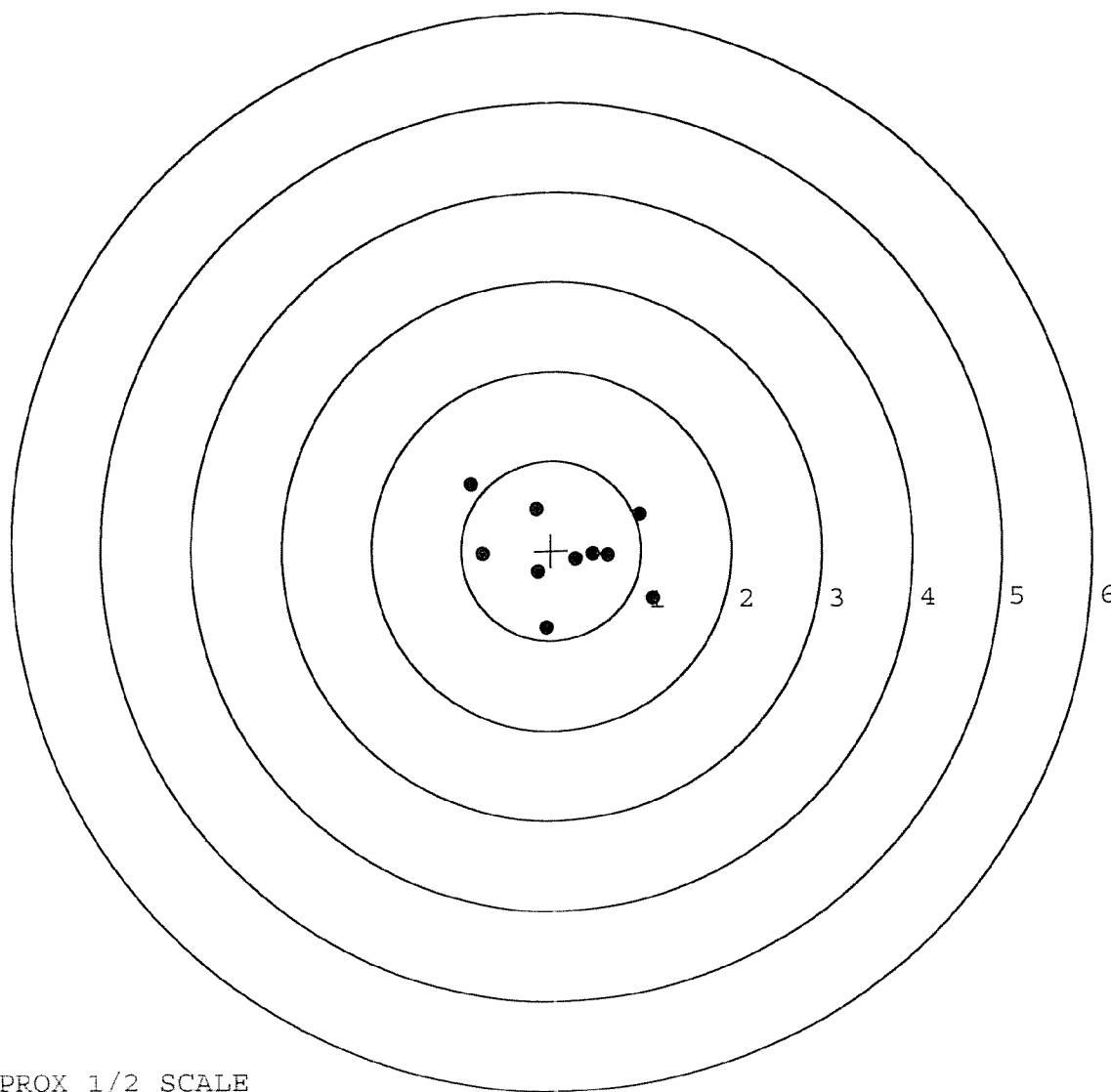
MAX RADIUS: 1.287

MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

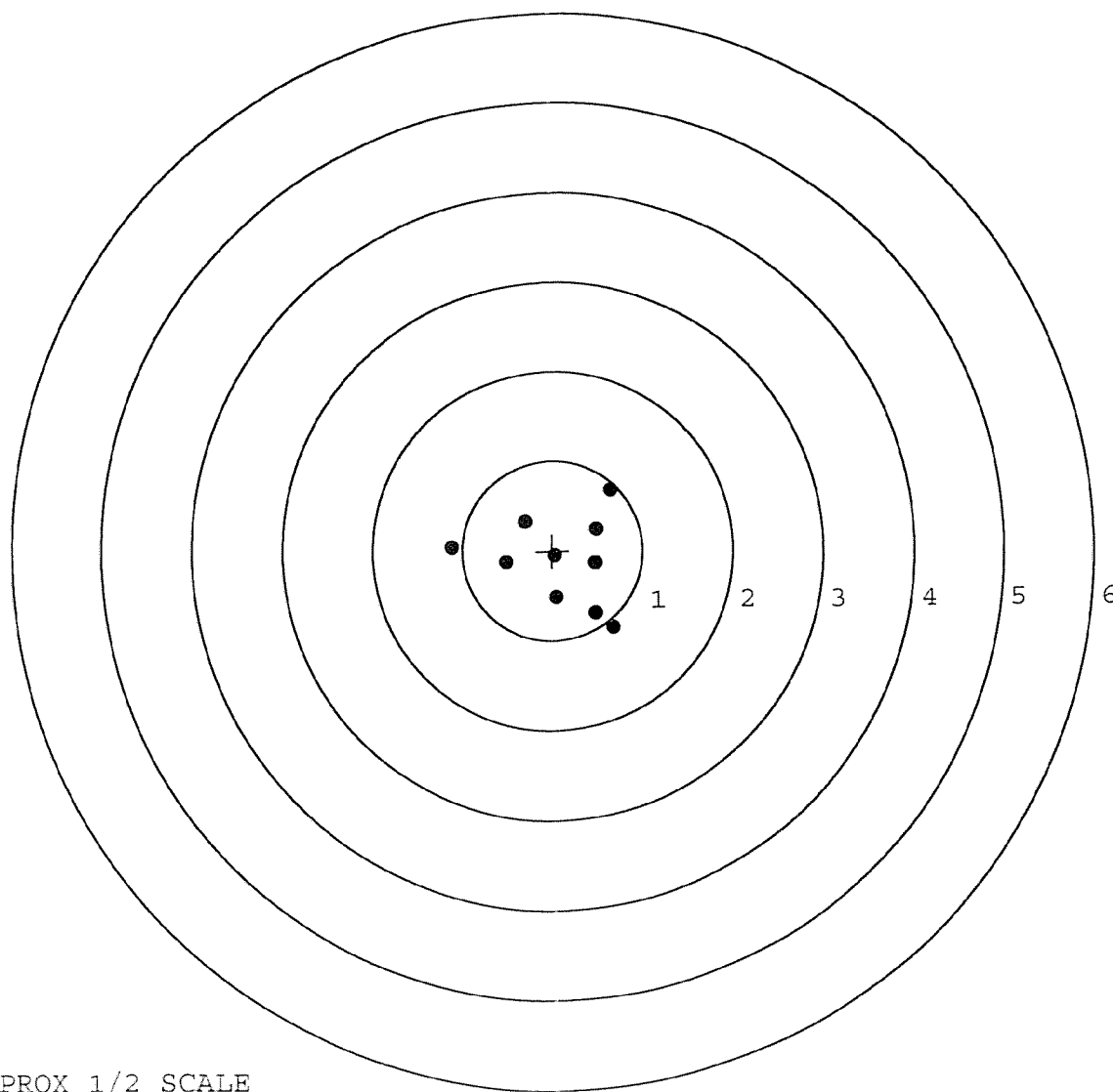


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611414. __0
 TARGET NUMBER: 5
 FILE DATE: 11/12/2004
 FILE TIME: 21:52

POINT#	X	Y
1:	0.673	-0.863
2:	0.479	-0.701
3:	0.475	-0.141
4:	0.491	0.235
5:	0.653	0.671
6:	0.033	-0.057
7:	0.044	-0.523
8:	-0.519	-0.123
9:	-0.302	0.328
10:	-1.117	0.050

X CENTROID: 0.091
 Y CENTROID: -0.112
 POA TO CENTROID: 0.145
 HORZ SPREAD: 1.790
 VERT SPREAD: 1.534
 GROUP SPREAD: 2.009
 MIN RADIUS: 0.080
 MAX RADIUS: 1.219
 MEAN RADIUS: 0.645
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & RESET
BARBER - M24 0076436

SERIAL NO.

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 6-22-04

TESTER RW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.63	2.46		2.19	
PULL #2	2.71	2.58		2.17	
PULL #3	2.76	2.57		2.23	
PULL #4	2.56	2.47		2.19	
PULL #5	2.53	2.60		2.16	
TOTAL	13.19	12.68		10.94	
AVERAGE	2.64	2.54		2.19	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.21		
PULL #2	3.05	3.02		
PULL #3	3.09	3.06		
PULL #4	3.18	3.12		
PULL #5	3.16	3.09		
TOTAL	15.58	15.50		
AVERAGE	3.12	3.10		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.24	4.27		4.21
PULL #2	4.24	4.28		4.04
PULL #3	4.21	4.21		4.25
PULL #4	4.24	4.22		4.24
PULL #5	4.19	4.23		4.12
TOTAL	21.12	21.21		20.86
AVERAGE	4.22	4.24		4.17

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

R & E NUMBER	87061		
SERIAL NUMBER	C661 1414		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-29-04	RTZ
560 A	RE-BARREL	11-2-04	RTZ
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTZ
600	PROOF	11-3-04	RTZ
605	CHECK HEADSPACE	11-3-04	RTZ
610	DIS-ASSEMBLE GUN	11-4-04	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11/5/04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-11-04	RTZ
B	TRIGGER PULL TEST	11-16-04	DA
C	SAFETY "ON" FORCE	11-16-04	DA
D	SAFETY "OFF" FORCE	11-16-04	DA
E	FIRING PIN INDENT	11-16-04	DA
640	TARGET	11-12-04	TRW
655	FINAL INSPECT	11-17-04	AC
660	PACK	11-17-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington[®]

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

DU PONT

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

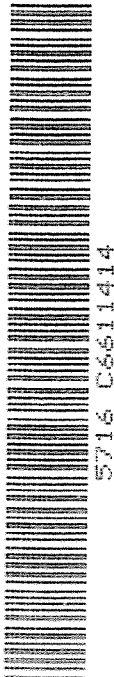
MODEL 700TM H24

SERIAL NO.
C6611414

ORDER NO.
5715

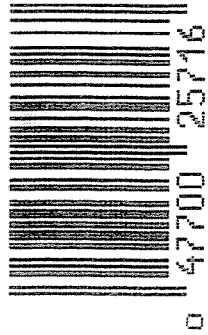
4.5

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



5715 C6611414

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611414

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/26/91	K.S.
600	Proof		3/26/91	K.S.
607	Check Headspace		3/26/91	K.S.
610	Dis-assemble Gun		3/26/91	K.S.
612	Magnaflux Barrel Action		APR 2 1991	KR
	Magnaflux Bolt		APR 2 1991	"
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)		4-16-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/10/91	K.S.
	D) Oil Firing Pin Ass'y		4/10/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/15/91	JS

op. #	BARBER - M24 0076440 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4-16-91	DH
	G) Safety Off Force	2	2	2			4-16-91	DH
	H) Trigger Pull Test & Retainability						4/15/91	SH
	I) Firing Pin Indent	1.020	1.021	1.020			4-16-91	DH
	J) Assemble Stock						4/22/91	KS
	K) Assemble Swivel Studs						4-30-91	DH
	L) Attach Front and Rear Sight Assemblies						4/22/91	KS
	M) Iron Sight Alignment						4/22/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/22/91	KS
	O) Attach Scope to Rifle						4/22/91	KS
	P) Detach & Attach Scope 20 Times						4/22/91	KS
640	Gallery Target & Test						4/23/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						4/23/91	KT
655	Final Inspection							
	A) Headspace						4-30-91	DH
	B) Trigger Pull	2.22	2.20	2.23	2.20	2.23	4/26/91	SH
	C) Function						4-30-91	DH
660	Pack						6-18-91	VF

71000
AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611414DATE 4/15/91TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.34	2.30	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.27	2.33	2.20	
PULL #3	2.37	2.22	2.28	2.23	
PULL #4	2.42	2.18	2.26	2.20	
PULL #5	2.30	2.29	2.33	2.23	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.51		
PULL #2	3.49	3.50		
PULL #3	3.50	3.30		
PULL #4	3.30	3.38		
PULL #5	3.43	3.52		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.32		4.38
PULL #2	4.43	4.47		4.29
PULL #3	4.29	4.47		4.13
PULL #4	4.30	4.25		4.32
PULL #5	4.38	4.48		4.50
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611414
23 Apr 1991

CENTROIDAL DISTANCES

0 TO 1	.170699
1 TO 2	.246976
1 TO 3	.272839
1 TO 4	.348511
1 TO 5	.268881

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0976
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0262
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101055
THE AMR FOR THIS RIFLE IS: .0822

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11414

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.797

VS= 2.800

GS= 3.092

PATTERN #

:

10

9

8

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.223

1.346

.714

MINIMUM X

:

-1.574

-1.451

-1.283

MAXIMUM Y

:

1.619

1.402

1.276

MINIMUM Y

:

-1.181

-1.001

-1.019

CENTROID X

:

-.067

-.190

-.358

CENTROID Y

:

-.157

-.337

-.211

POA TO CENTROID in.

:

.176

.387

.416

MIN RADIUS

:

.184

.048

.242

MEAN RADIUS

:

1.024

.902

.829

MAX RADIUS

:

1.962

1.678

1.297

HORIZONTAL SPREAD

:

2.797

2.797

1.997

VERTICAL SPREAD

:

2.800

2.403

2.295

EXTREME SPREAD

:

3.092

3.092

2.295

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

7

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611414

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.169

VS= 1.485

GS= 2.452

CENTROID *

PATTERN #

:

2

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.113

1.212

1.093

MINIMUM X

:

-1.056

-.957

-.841

MAXIMUM Y

:

.635

.540

.532

MINIMUM Y

:

-.858

-.430

-.362

CENTROID X

:

-.013

-.112

.007

CENTROID Y

:

.084

.179

.111

POA TO CENTROID in.

:

.085

.211

.111

MIN RADIUS

:

.137

.140

.134

MEAN RADIUS

:

.767

.712

.655

MAX RADIUS

:

1.234

1.286

1.151

HORIZONTAL SPREAD

:

2.169

2.169

1.934

VERTICAL SPREAD

:

1.485

.970

.894

EXTREME SPREAD

:

2.452

2.376

2.093

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

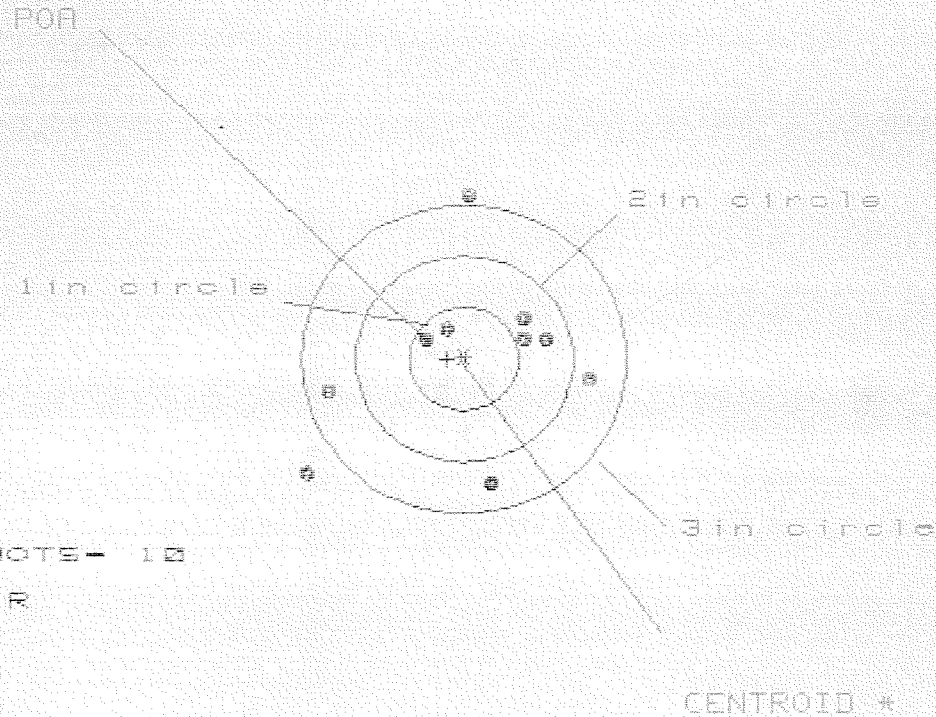
NUMBER IN THREE INCH CIRCLE =

10

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611414

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.569

VS= 2.806

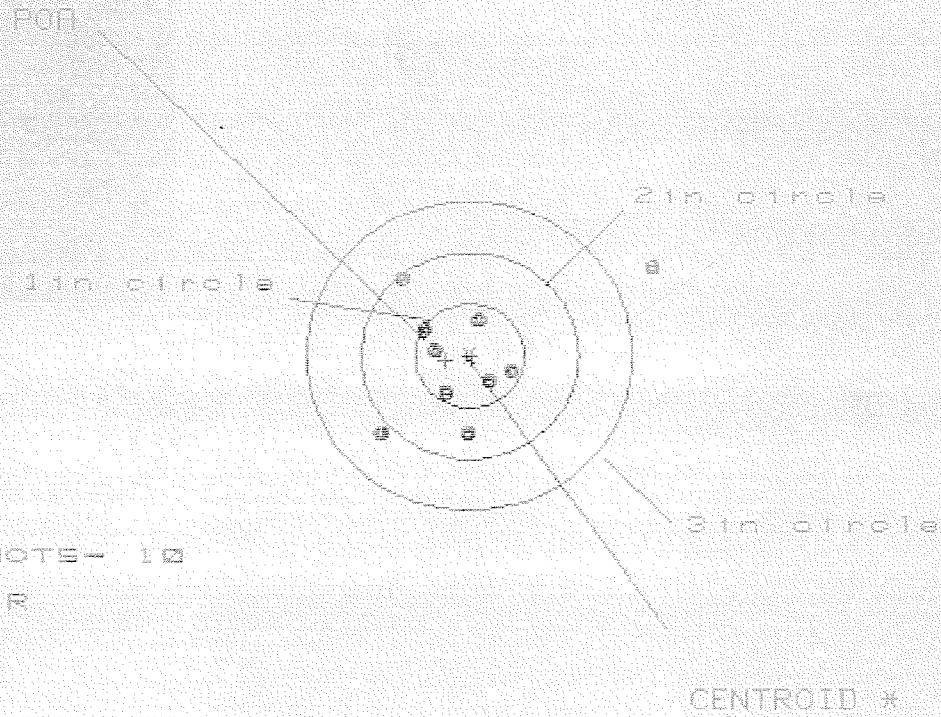
GS= 3.024

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.119	.958	.939
MINIMUM X	-1.450	-1.405	-1.424
MAXIMUM Y	1.568	1.448	.478
MINIMUM Y	-1.238	-1.358	-1.177
CENTROID X	.154	.315	.334
CENTROID Y	.003	.123	-.059
POA TO CENTROID in.	.154	.338	.339
MIN RADIUS	.318	.367	.447
MEAN RADIUS	.991	.861	.801
MAX RADIUS	1.807	1.465	1.442
HORIZONTAL SPREAD	2.569	2.363	2.363
VERTICAL SPREAD	2.806	2.806	1.655
EXTREME SPREAD	3.024	2.818	2.364
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	8	8	8

23 Apr 1993

FILE: /PATTERNING/CENTERFIRE_PATT/C6611414

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 5

2in = 8

3in = 9

HS = 2.490

VS = 1.617

GS = 2.969

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.654	.583	.582
MINIMUM X	-.836	-.653	-.494
MAXIMUM Y	.838	.797	.718
MINIMUM Y	-.787	-.695	-.718
CENTROID X	.217	.834	.115
CENTROID Y	.045	-.047	.040
POB TO CENTROID in.	.222	.058	.122
MIN RADIUS	.307	.217	.239
MEAN RADIUS	.699	.553	.492
MAX RADIUS	1.850	.954	.865
HORIZONTAL SPREAD	2.490	1.236	.996
VERTICAL SPREAD	1.617	1.492	1.428
EXTREME SPREAD	2.969	1.558	1.558
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0611414

CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.534

VS= 2.589

GS= 2.654

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	1.124	1.093
MINIMUM X	-1.269	-.838	-.869
MAXIMUM Y	1.234	1.323	1.164
MINIMUM Y	-1.355	-1.266	-.845
CENTROID X	.197	.338	.369
CENTROID Y	-.106	-.195	-.036
POB TO CENTROID in.	.224	.390	.371
MIN RADIUS	.482	.374	.304
MEAN RADIUS	.930	.852	.777
MAX RADIUS	1.501	1.325	1.169
HORIZONTAL SPREAD	2.534	1.962	1.962
VERTICAL SPREAD	2.589	2.589	2.009
EXTREME SPREAD	2.654	2.595	2.051
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	