

C6349103

MODEL 700TM M24

Model **S&S**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: **RE00105764** Serial: C6349103 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/15/1990 Repairman: Status: Closed: 12/27/2005 2:05:57 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **HHC 1 12 CAV** **HHC 1 12 CAV**

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

City: **FORT HOOD** **FORT HOOD**

State: **TX** Zip Code: **76544** Country: **US** State: **TX** Zip Code: **76544** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **NA** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A017	Scope Base	1
A042	Adjustable Butt Pad	1
A057	Frt and Rear Sgt Base	2

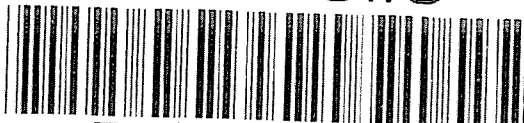
Repair Search Refresh Close

negleij 12/20/2005 9:12 AM CAPS NUM INS SCPL

start 2 4 Arms Services R...

Serial Number: **C6349103**

Model: **M24 SWS**



RE00105764

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349103.__0

FILE DATE AND TIME: 01/11/2006 09:46

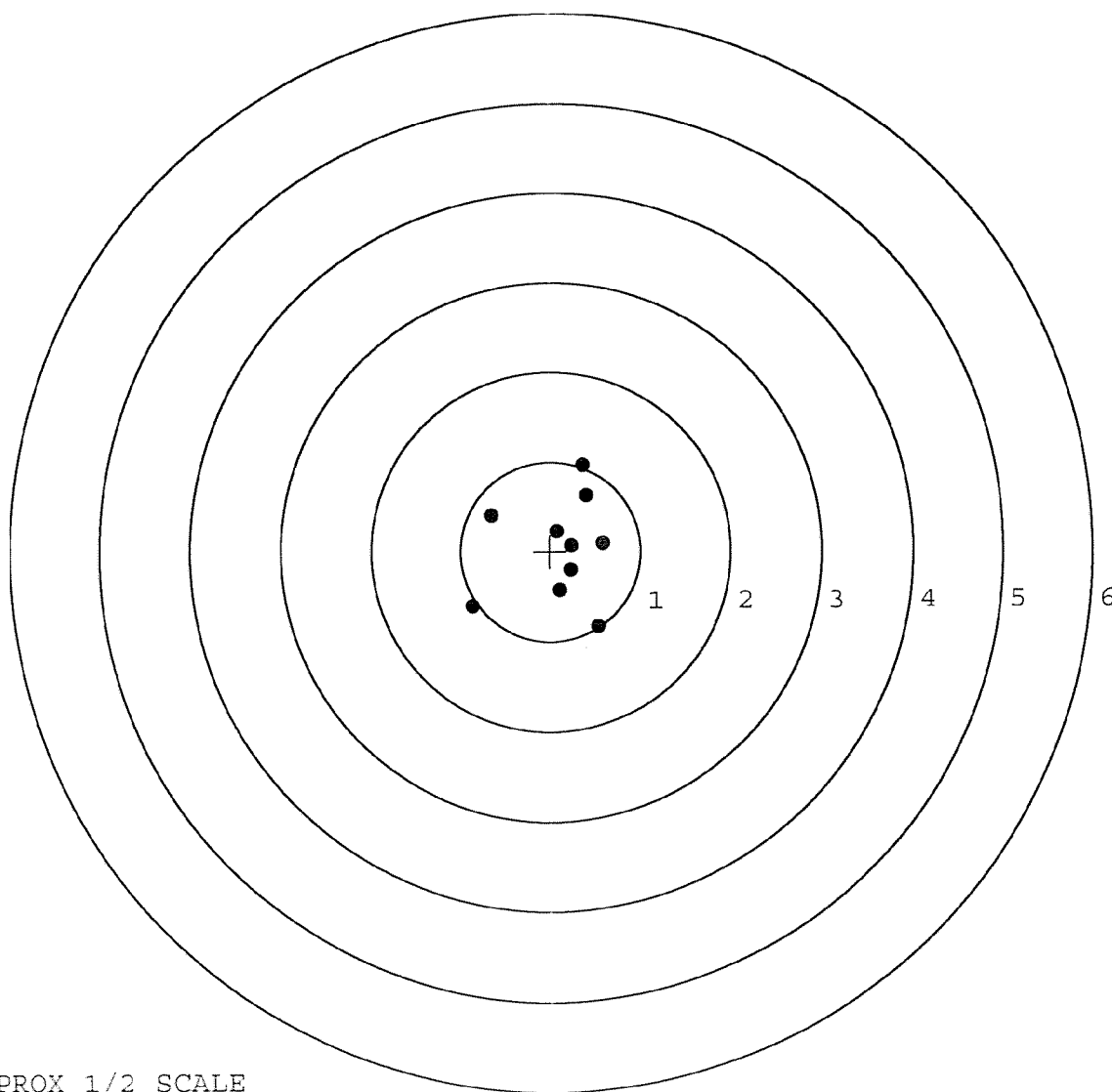
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.096
The Average Y Centroid of the Five Target Set:	0.021
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.819
The Distance from POA to Centroid Target #1:	0.104
The Distance from Centroid Target #2 to Centroid Target #1:	0.218
The Distance from Centroid Target #3 to Centroid Target #1:	0.220
The Distance from Centroid Target #4 to Centroid Target #1:	0.235
The Distance from Centroid Target #5 to Centroid Target #1:	0.351

SERIAL NUMBER: C6349103. __0
TARGET NUMBER: 1
FILE DATE: 01/11/2006
FILE TIME: 09:46

POINT#	X	Y
1:	0.531	-0.844
2:	0.585	0.091
3:	0.406	0.624
4:	0.361	0.966
5:	-0.659	0.403
6:	-0.869	-0.617
7:	0.113	-0.440
8:	0.230	-0.211
9:	0.239	0.064
10:	0.074	0.222

X CENTROID: 0.101
Y CENTROID: 0.026
POA TO CENTROID: 0.104
HORZ SPREAD: 1.454
VERT SPREAD: 1.810
GROUP SPREAD: 2.005
MIN RADIUS: 0.143
MAX RADIUS: 1.164
MEAN RADIUS: 0.619
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

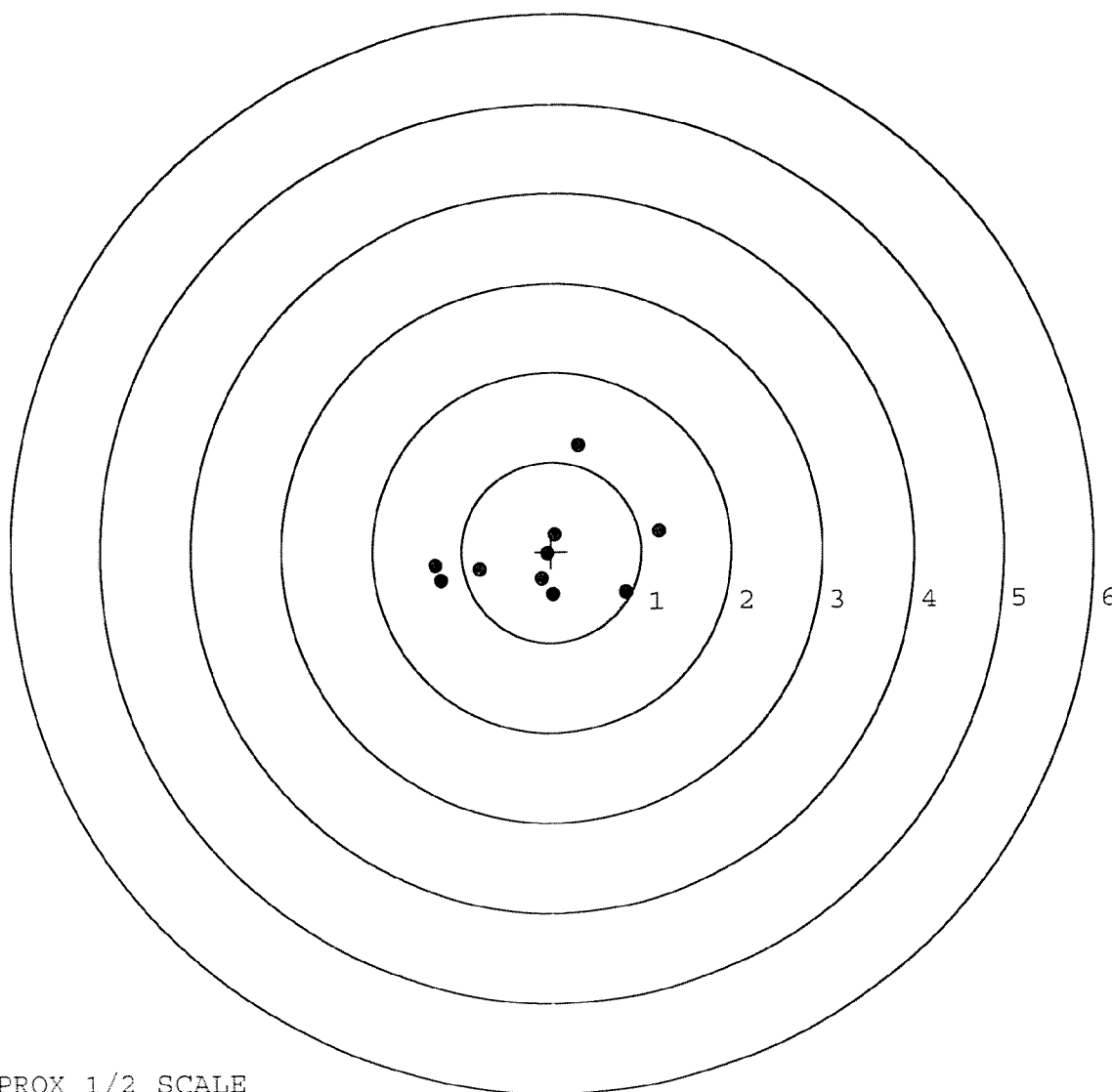


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349103. __0
TARGET NUMBER: 2
FILE DATE: 01/11/2006
FILE TIME: 09:46

POINT#	X	Y
1:	0.313	1.181
2:	1.195	0.223
3:	0.830	-0.458
4:	-1.299	-0.163
5:	-1.232	-0.331
6:	-0.799	-0.202
7:	0.026	-0.478
8:	-0.109	-0.304
9:	-0.044	-0.020
10:	0.044	0.192

X CENTROID: -0.107
Y CENTROID: -0.036
POA TO CENTROID: 0.113
HORZ SPREAD: 2.494
VERT SPREAD: 1.659
GROUP SPREAD: 2.524
MIN RADIUS: 0.065
MAX RADIUS: 1.328
MEAN RADIUS: 0.778
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

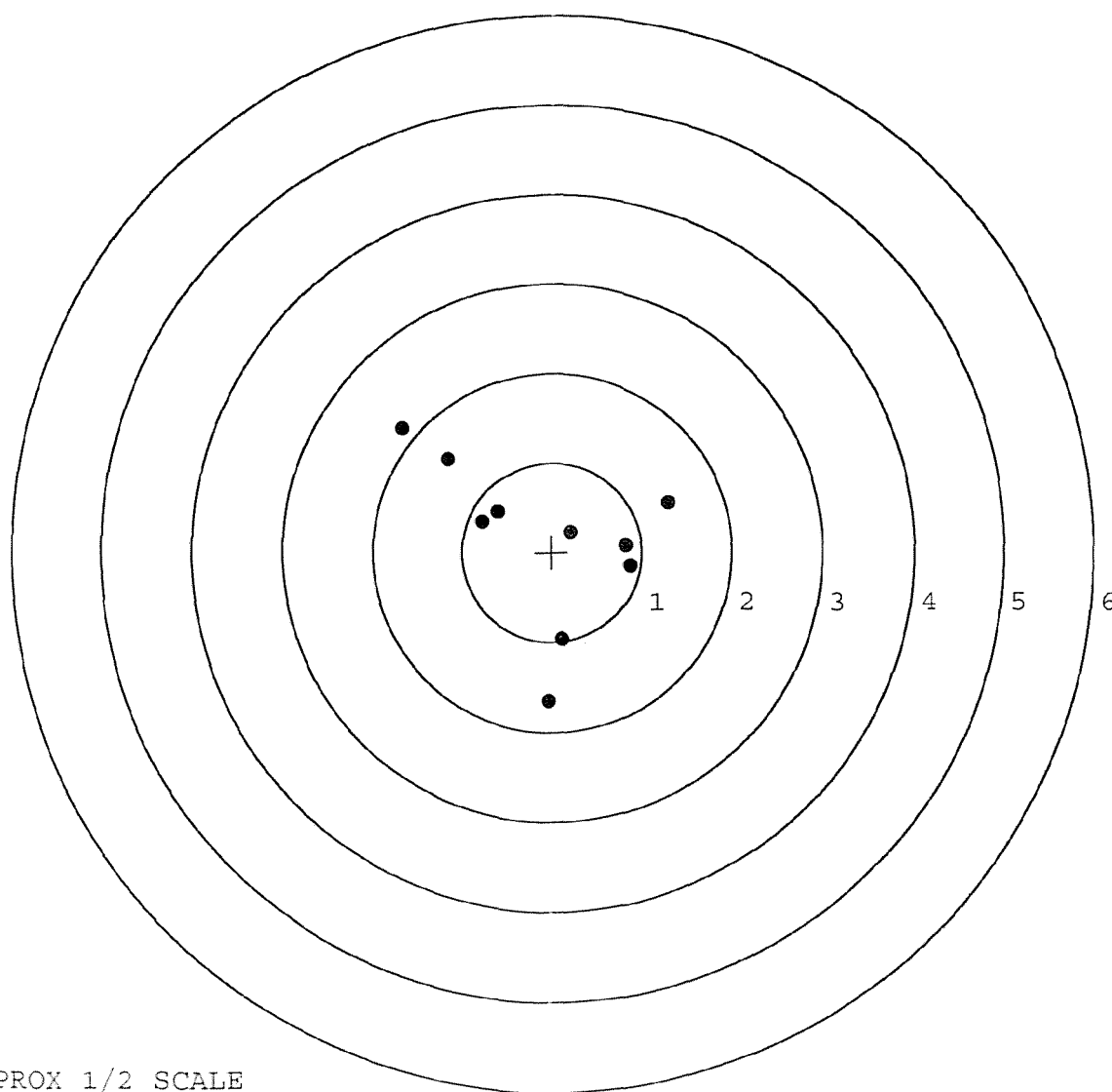


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349103. __0
TARGET NUMBER: 3
FILE DATE: 01/11/2006
FILE TIME: 09:46

POINT#	X	Y
1:	1.289	0.558
2:	0.822	0.086
3:	0.874	-0.147
4:	0.211	0.221
5:	-0.603	0.458
6:	-0.775	0.338
7:	0.122	-0.976
8:	-0.029	-1.664
9:	-1.166	1.034
10:	-1.677	1.378

X CENTROID: -0.093
Y CENTROID: 0.129
POA TO CENTROID: 0.159
HORZ SPREAD: 2.966
VERT SPREAD: 3.042
GROUP SPREAD: 3.460
MIN RADIUS: 0.318
MAX RADIUS: 2.017
MEAN RADIUS: 1.135
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

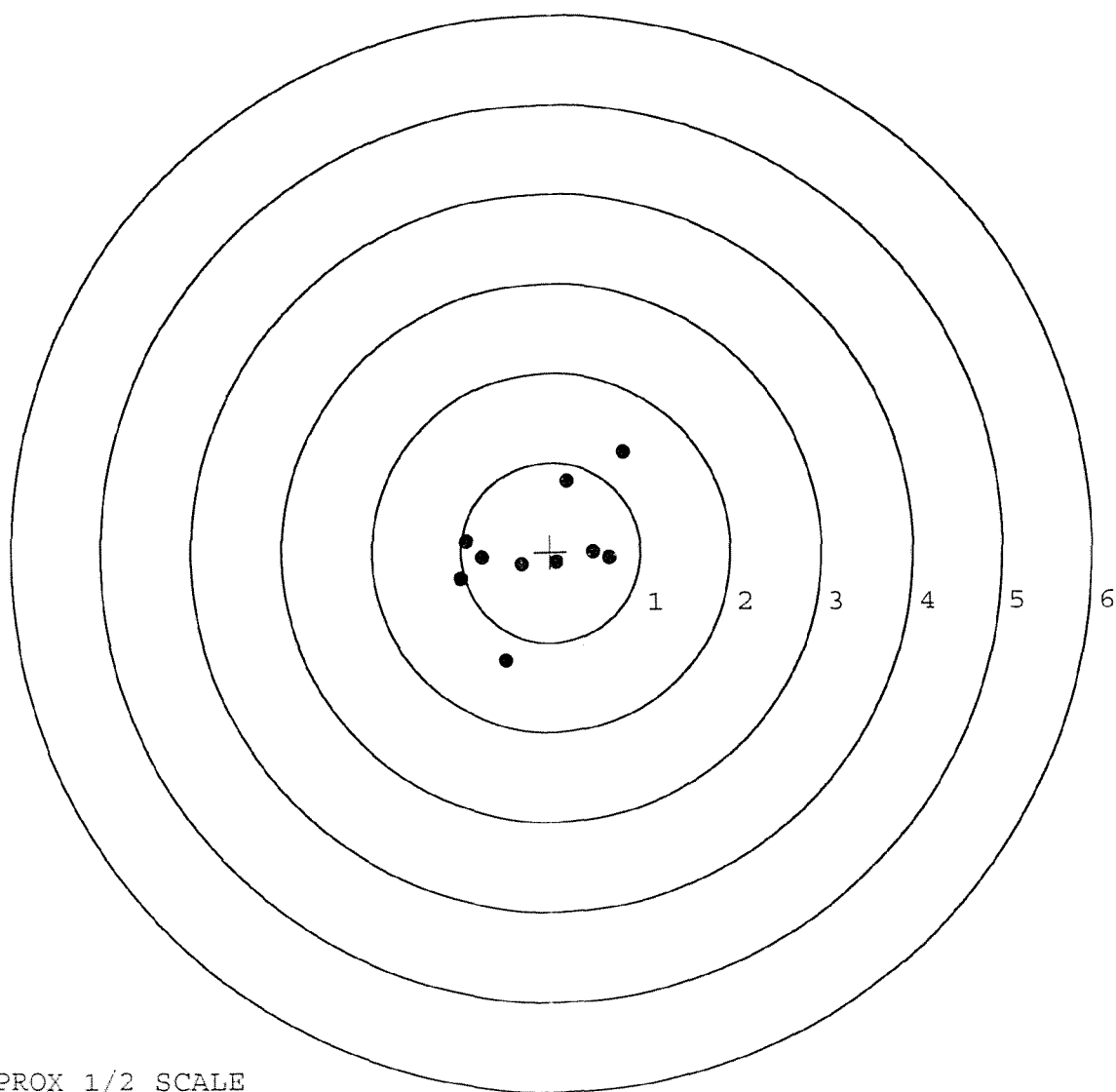


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349103. __0
TARGET NUMBER: 4
FILE DATE: 01/11/2006
FILE TIME: 09:46

POINT#	X	Y
1:	0.810	1.116
2:	0.186	0.789
3:	0.654	-0.071
4:	0.478	-0.005
5:	0.073	-0.117
6:	-0.322	-0.135
7:	-0.763	-0.073
8:	-0.946	0.102
9:	-1.004	-0.312
10:	-0.494	-1.204

X CENTROID: -0.133
Y CENTROID: 0.009
POA TO CENTROID: 0.133
HORZ SPREAD: 1.814
VERT SPREAD: 2.320
GROUP SPREAD: 2.661
MIN RADIUS: 0.238
MAX RADIUS: 1.454
MEAN RADIUS: 0.783
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

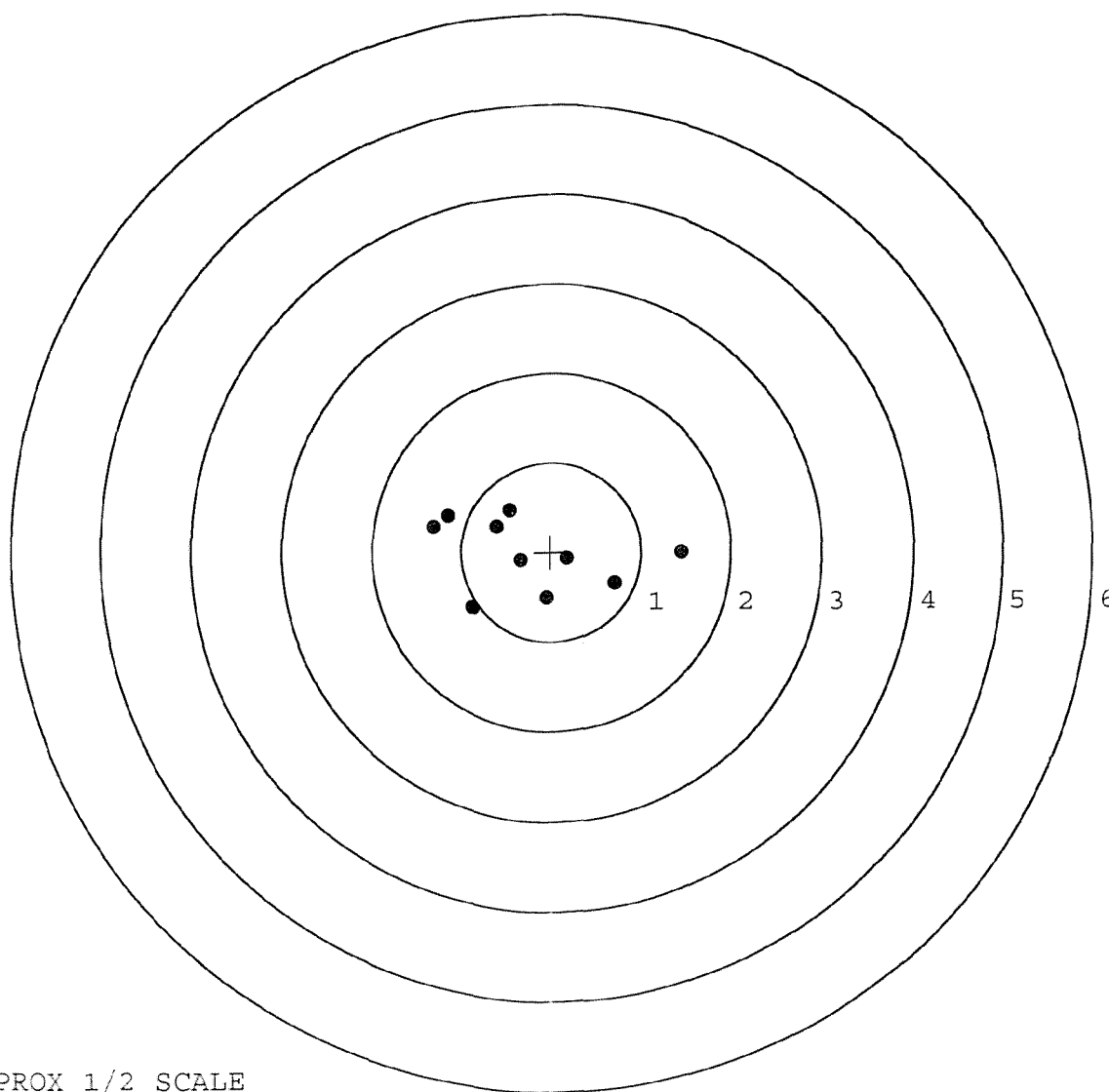


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349103. __0
TARGET NUMBER: 5
FILE DATE: 01/11/2006
FILE TIME: 09:46

POINT#	X	Y
1:	1.449	-0.011
2:	0.708	-0.350
3:	0.183	-0.075
4:	-0.051	-0.520
5:	-0.336	-0.093
6:	-0.608	0.293
7:	-0.466	0.476
8:	-1.148	0.401
9:	-0.875	-0.623
10:	-1.317	0.276

X CENTROID: -0.246
Y CENTROID: -0.023
POA TO CENTROID: 0.247
HORZ SPREAD: 2.766
VERT SPREAD: 1.099
GROUP SPREAD: 2.781
MIN RADIUS: 0.114
MAX RADIUS: 1.695
MEAN RADIUS: 0.779
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	105764		
SERIAL NUMBER	010319103		
LOG-IN DATE	12-27-05		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-3-06	RTZ
505	RE-BARREL	1-4-06	RTZ
560	ASSEMBLE	1-4-06	RTZ
600	PROOF	1-4-06	AE
605	CHECK HEADSPACE	1-4-06	AE
610	DIS-ASSEMBLE GUN	1-4-06	AE
612	MAGNAFLUX	1/6/06	local
510	DRILL AND TAP	1-5-05	TRW
615	ROLLMARK CALIBER	1-6-06	CW
618	ROTO-BLAST	1-6-06	LB
620	APPLY COATINGS	1/10	AE
625	FINAL ASSEMBLY	1-10-06	RTZ
640	FUNCTION TEST AND	PASS FAIL 1-11-06	TRW
650	TARGET	PASS FAIL	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-11-06	TRW
	A) HEADSPACE	PASS FAIL 1-11-06	AE
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	5 5 lbs 5 lbs AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs AC
	I) FIRING PIN INDENT	.020	.025 .025 .025 AC
690	PACK		3-13-06 DA



MODEL 700™ H24

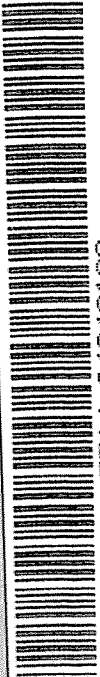


REG. U.S. PAT. & TM. OFF.

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

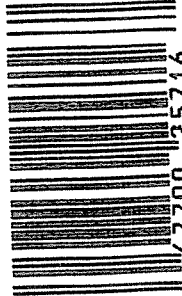
SERIAL NO. C6349103	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marqué Déposé.



5716 C6349103

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349103

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		GL
617	Drill and Tap Sight Holes		4/4/90	LB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/1/90	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/2/90	JK
	G) Safety Off Force	3	3	3			5/2/90	JK
	H) Trigger Pull Test & Retainability						5/1/90	JK
	I) Firing Pin Indent	.0215	.021	.021			5/2/90	JK
	J) Assemble Stock						5/3/90	RW
	K) Assemble Swivel Studs						5/9/90	WB
	L) Attach Front and Rear Sight Assemblies						5/3/90	RW
	M) Iron Sight Alignment						5/3/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/3/90	RW
	O) Attach Scope to Rifle						5/3/90	JK
	P) Detach & Attach Scope 20 Times						5/3/90	JK
640	Gallery Target & Test						5-4-90	DH
	A) Time						5-4-90	DH
	B) Malfunctions						5-4-90	DH
	C) Pierced Primers						5-4-90	DH
	D) Optical Clarity of Scope						5-4-90	DH
645	Inspect for Live Ammo						5-4-90	DH
655	Final Inspection						5/7/90	WB
	A) Headspace							
	B) Trigger Pull	228	237	239	226	242	5/7/90	WB
	C) Function						5/7/90	WB
660	Pack						6/9/90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 06349103

DATE 5/1/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.39	2.35	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.32	2.30	2.30	
PULL #3	2.48	2.28	2.25	2.39	
PULL #4	2.46	2.37	2.26	2.26	
PULL #5	2.34	2.24	2.32	2.42	
TOTAL	12.16	11.60	11.48		
AVG.	2.432	2.32	2.296		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.29		
PULL #2	3.31	3.39		
PULL #3	3.28	3.35		
PULL #4	3.34	3.44		
PULL #5	3.39	3.35		
TOTAL	16.82	16.82		
AVG.	3.364	3.364		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.54		4.40
PULL #2	4.50	4.49		4.46
PULL #3	4.46	4.45		4.39
PULL #4	4.47	4.55		4.47
PULL #5	4.48	4.47		4.40
TOTAL	22.40	22.50		22.12
AVG.	4.48	4.5		4.424

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349103
7 May 1990

CENTROIDAL DISTANCES

0 TO	1	.21664
1 TO	2	.363497
1 TO	3	.30811
1 TO	4	.221721
1 TO	5	.203571

SP (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .029
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0978
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102009
THE AMR FOR THIS RIFLE IS: .8476

7 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349103

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS= 2.029

VS= 1.727

GS= 2.150

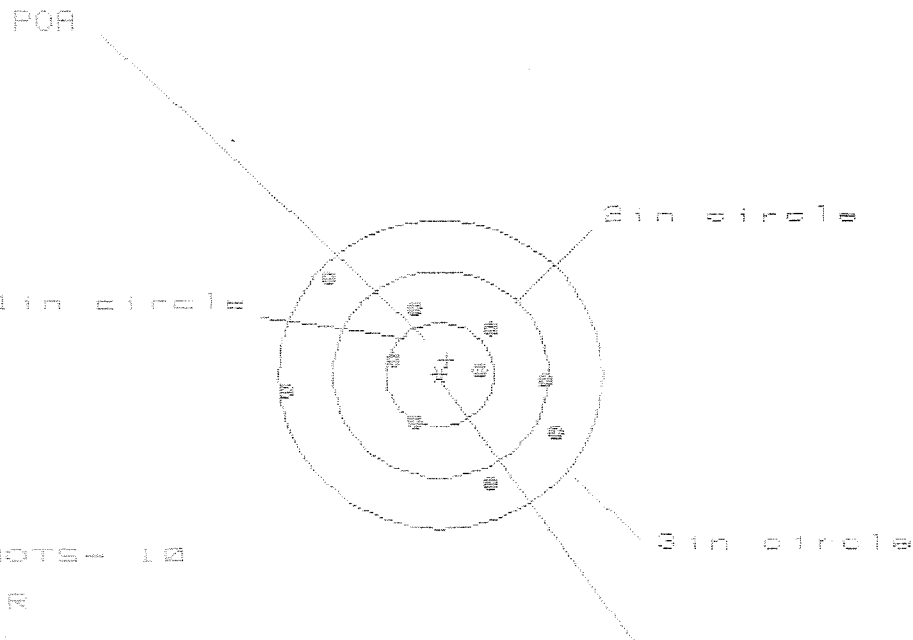
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.955	1.027	.902
MINIMUM X	-1.074	-1.002	-1.022
MAXIMUM Y	1.015	.660	.695
MINIMUM Y	-.711	-.598	-.563
CENTROID X	.167	.095	.220
CENTROID Y	.138	.025	-.010
POA TO CENTROID in.	.216	.098	.220
MIN RADIUS	.500	.372	.405
MEAN RADIUS	.786	.724	.674
MAX RADIUS	1.206	1.062	1.052
HORIZONTAL SPREAD	2.029	2.029	1.924
VERTICAL SPREAD	1.727	1.258	1.258
EXTREME SPREAD	2.150	2.029	2.002
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8345103

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.442

VS= 1.990

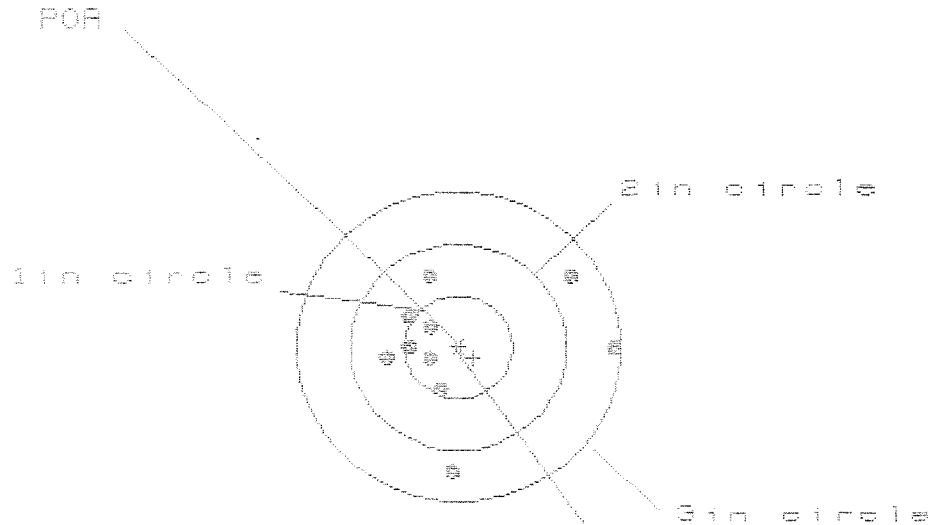
GS= 2.531

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.031	.874	.730
MINIMUM X	-1.411	-1.147	-.692
MAXIMUM Y	.945	.929	.746
MINIMUM Y	-1.045	-1.061	-.944
CENTROID X	-.066	.091	.234
CENTROID Y	-.141	-.125	-.241
POA TO CENTROID in.	.155	.155	.337
MIN RADIUS	.412	.254	.171
MEAN RADIUS	.870	.790	.689
MAX RADIUS	1.418	1.476	.955
HORIZONTAL SPREAD	2.442	2.021	1.422
VERTICAL SPREAD	1.990	1.990	1.690
EXTREME SPREAD	2.531	2.531	1.817
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349103

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.107

VS= 1.858

GS= 2.117

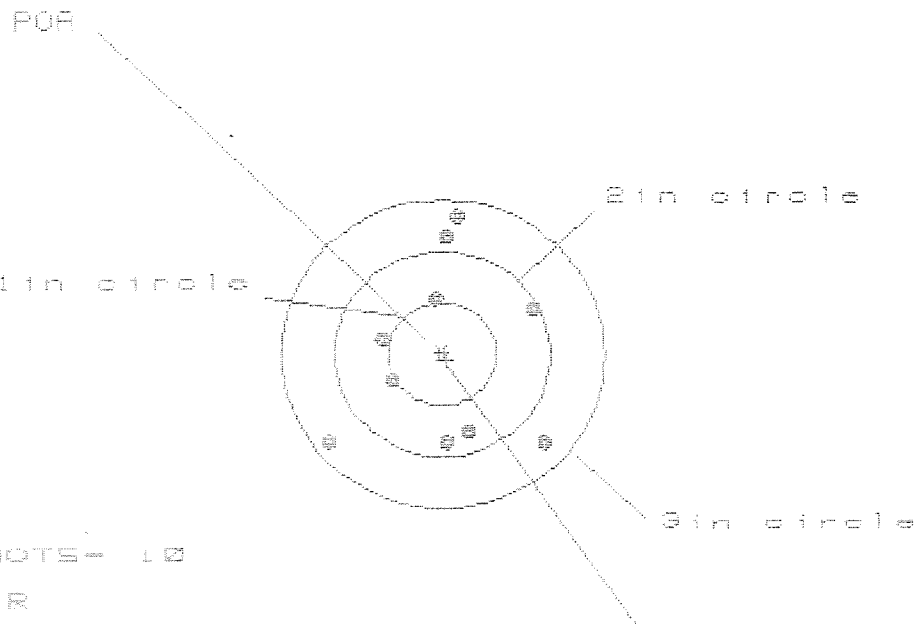
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.461	1.169	.280
MINIMUM X	:	-.646	-.484	-.338
MAXIMUM Y	:	.690	.677	.760
MINIMUM Y	:	-1.178	-1.181	-1.098
CENTROID X	:	-.139	-.301	-.448
CENTROID Y	:	.102	.105	.022
POA TO CENTROID in.	:	.173	.319	.448
MIN RADIUS	:	.280	.171	.101
MEAN RADIUS	:	.728	.582	.450
MAX RADIUS	:	1.461	1.346	1.133
HORIZONTAL SPREAD	:	2.107	1.653	.618
VERTICAL SPREAD	:	1.858	1.858	1.858
EXTREME SPREAD	:	2.117	2.117	1.869
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349103

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.993

VS= 2.260

GS= 2.514

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.901	.780	.776
MINIMUM X	:	-1.092	-.696	-.700
MAXIMUM Y	:	1.359	1.264	1.162
MINIMUM Y	:	-.901	-.996	-.838
CENTROID X	:	-.039	.082	.085
CENTROID Y	:	.056	.151	-.007
POA TO CENTROID in.	:	.068	.172	.086
MIN RADIUS	:	.487	.476	.575
MEAN RADIUS	:	.939	.888	.833
MAX RADIUS	:	1.388	1.265	1.165
HORIZONTAL SPREAD	:	1.993	1.476	1.476
VERTICAL SPREAD	:	2.260	2.260	2.000
EXTREME SPREAD	:	2.514	2.399	2.180
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/083495103

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

HS= 3.696

VS= 1.319

GS= 3.697

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.698	1.476	.884
MINIMUM X	-1.998	-1.635	-1.450
MAXIMUM Y	.435	.430	.436
MINIMUM Y	-1.884	-.889	-.883
CENTROID X	.222	.444	.259
CENTROID Y	.334	.339	.333
POA TO CENTROID in.	.401	.558	.422
MIN RADIUS	.267	.135	.247
MEAN RADIUS	.915	.758	.675
MAX RADIUS	1.998	1.690	1.514
HORIZONTAL SPREAD	3.696	3.111	2.334
VERTICAL SPREAD	1.319	1.319	1.319
EXTREME SPREAD	3.697	3.135	2.360
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	