

C6522257

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: RE00085599 Serial: C6522257 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:36:05 PM

Address Information

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

Name: C CO SPT BN 1ST SWTG A C CO SPT BN 1ST SWTG A

Address 1: AHN ARMAMENT FACILITY AHN ARMAMENT FACILITY

Address 2: PO Box: PO Box:

City: FT BRAGG FT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 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
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search Refresh Close

logleij 9/28/2004 2:46 PM CAPS NUM INS SCR

start 2 3 Arms Services Repair 4

Serial Number: C6522257

Model: M24 SWS



RE00085599

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
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)

SERIAL NO.

DATE 10-20-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.25	2.50		2.23	
PULL #2	2.43	2.72		2.29	
PULL #3	2.46	2.89		2.34	
PULL #4	2.45	2.74		2.32	
PULL #5	2.35	2.51		2.27	
TOTAL	11.94	13.36		11.45	
AVERAGE	2.38	2.67		2.29	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.05		
PULL #2	3.25	3.04		
PULL #3	3.18	3.07		
PULL #4	3.23	3.18		
PULL #5	3.13	2.92		
TOTAL	16.08	15.26		
AVERAGE	3.21	3.05		

	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	4.11	4.02		4.26
PULL #2	4.17	4.15		4.30
PULL #3	4.16	4.09		4.28
PULL #4	4.15	4.05		4.30
PULL #5	4.09	3.99		4.25
TOTAL	20.68	20.30		21.39
AVERAGE	4.13	4.06		4.27

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522257.___0
FILE DATE AND TIME: 10/25/2004 06:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.074
The Average Y Centroid of the Five Target Set:	-0.131
The Average Point of Impact of the Five Target Set:	0.150
The Average Mean Radius of the Five Target Set:	0.688
The Distance from POA to Centroid Target #1:	0.187
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.258
The Distance from Centroid Target #4 to Centroid Target #1:	0.169
The Distance from Centroid Target #5 to Centroid Target #1:	0.039

SERIAL NUMBER: C6522257. __0

TARGET NUMBER: 1

FILE DATE: 10/25/2004

FILE TIME: 06:19

X CENTROID: -0.065

Y CENTROID: -0.176

POA TO CENTROID: 0.187

HORZ SPREAD: 1.834

VERT SPREAD: 1.942

GROUP SPREAD: 2.409

MIN RADIUS: 0.132

MAX RADIUS: 1.677

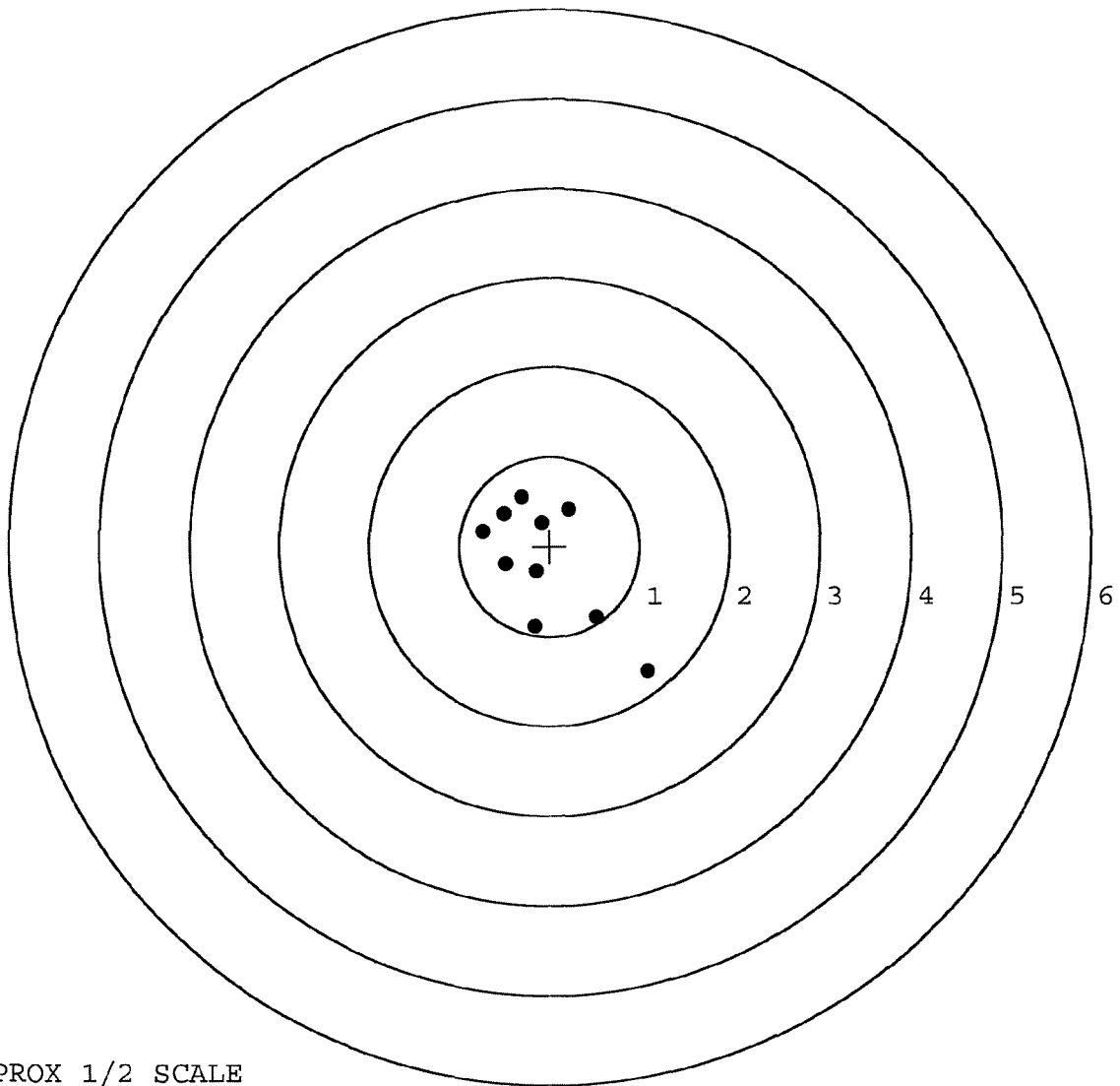
MEAN RADIUS: 0.713

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.092	-1.390
2:	0.517	-0.785
3:	-0.172	-0.887
4:	-0.149	-0.278
5:	-0.489	-0.197
6:	-0.742	0.172
7:	-0.508	0.371
8:	-0.314	0.552
9:	-0.095	0.264
10:	0.212	0.419



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257. __0

TARGET NUMBER: 2

FILE DATE: 10/25/2004

FILE TIME: 06:19

X CENTROID: -0.212

Y CENTROID: -0.061

POA TO CENTROID: 0.221

HORZ SPREAD: 1.661

VERT SPREAD: 1.620

GROUP SPREAD: 1.825

MIN RADIUS: 0.385

MAX RADIUS: 1.191

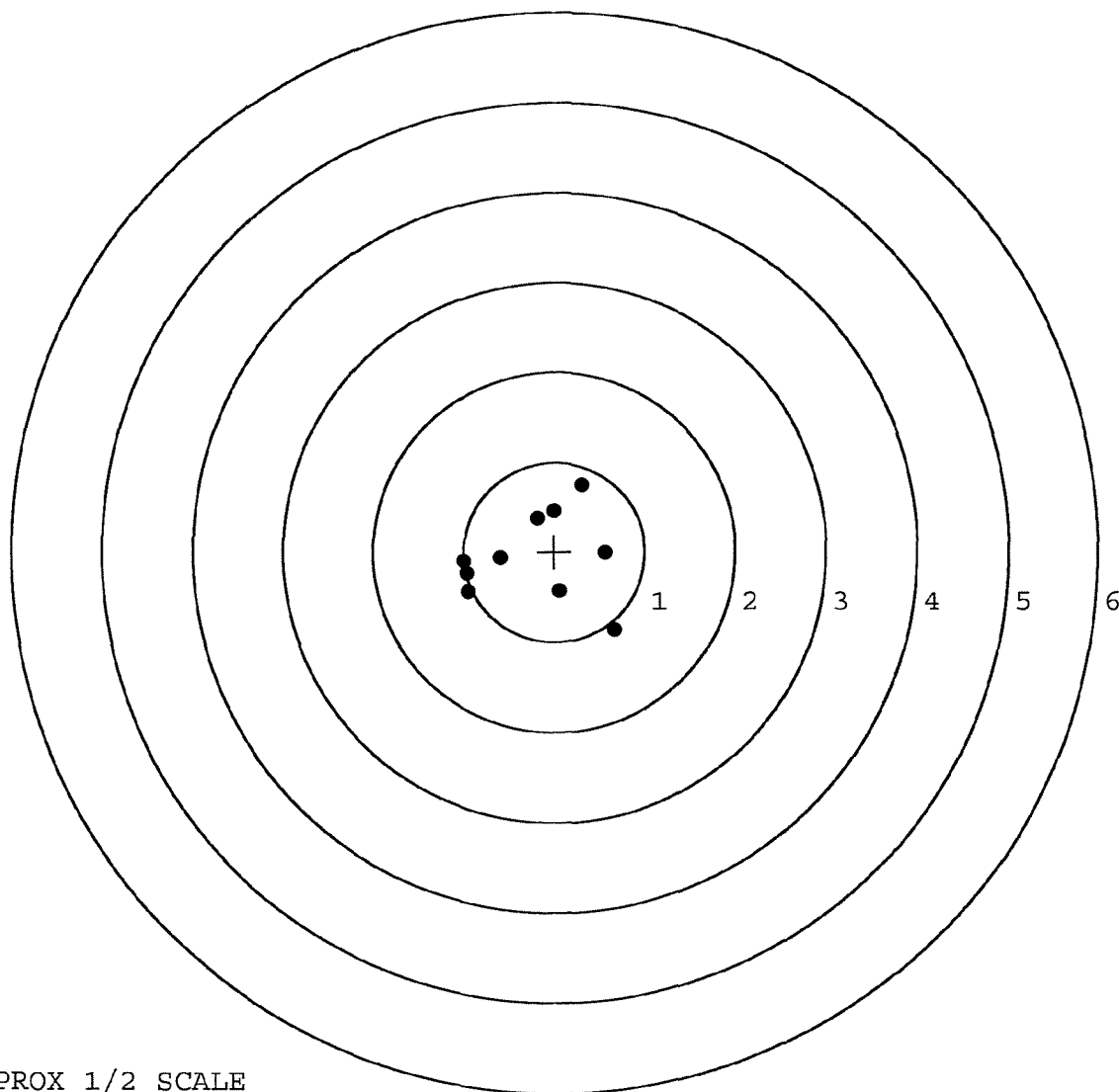
MEAN RADIUS: 0.717

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.664	-0.867
2:	0.561	-0.009
3:	0.054	-0.443
4:	-0.597	-0.068
5:	-0.997	-0.111
6:	-0.950	-0.451
7:	-0.196	0.375
8:	-0.007	0.458
9:	0.306	0.753
10:	-0.961	-0.244



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257. __0

TARGET NUMBER: 3

FILE DATE: 10/25/2004

FILE TIME: 06:19

X CENTROID: 0.192

Y CENTROID: -0.157

POA TO CENTROID: 0.249

HORZ SPREAD: 1.850

VERT SPREAD: 1.700

GROUP SPREAD: 2.193

MIN RADIUS: 0.389

MAX RADIUS: 1.220

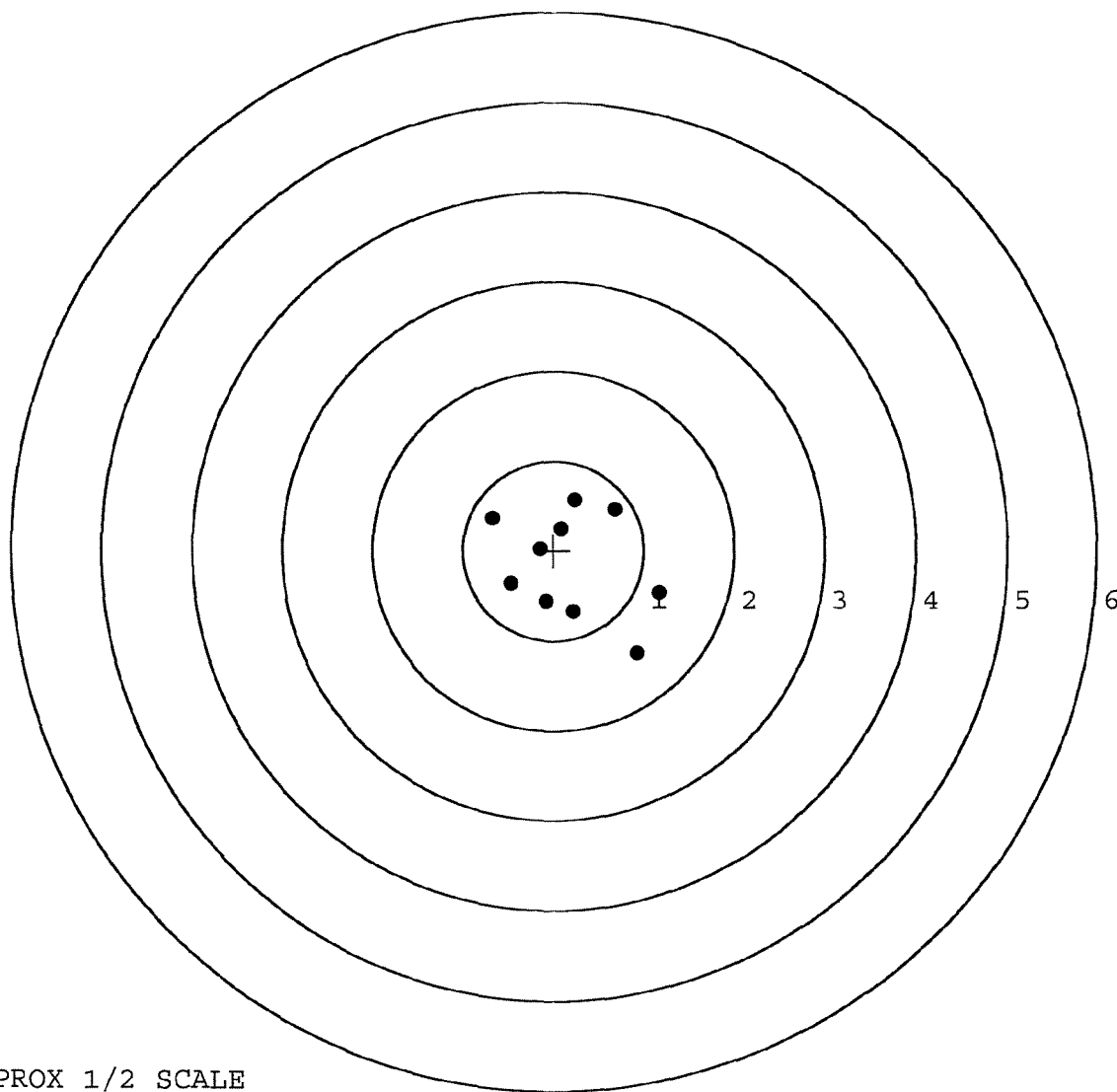
MEAN RADIUS: 0.731

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.923	-1.135
2:	1.172	-0.475
3:	0.222	-0.683
4:	-0.088	-0.573
5:	-0.475	-0.367
6:	-0.678	0.364
7:	0.677	0.465
8:	0.237	0.565
9:	0.085	0.241
10:	-0.152	0.023



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257. __0

TARGET NUMBER: 4

FILE DATE: 10/25/2004

FILE TIME: 06:19

X CENTROID: -0.187

Y CENTROID: -0.059

POA TO CENTROID: 0.196

HORZ SPREAD: 1.156

VERT SPREAD: 2.037

GROUP SPREAD: 2.173

MIN RADIUS: 0.192

MAX RADIUS: 1.256

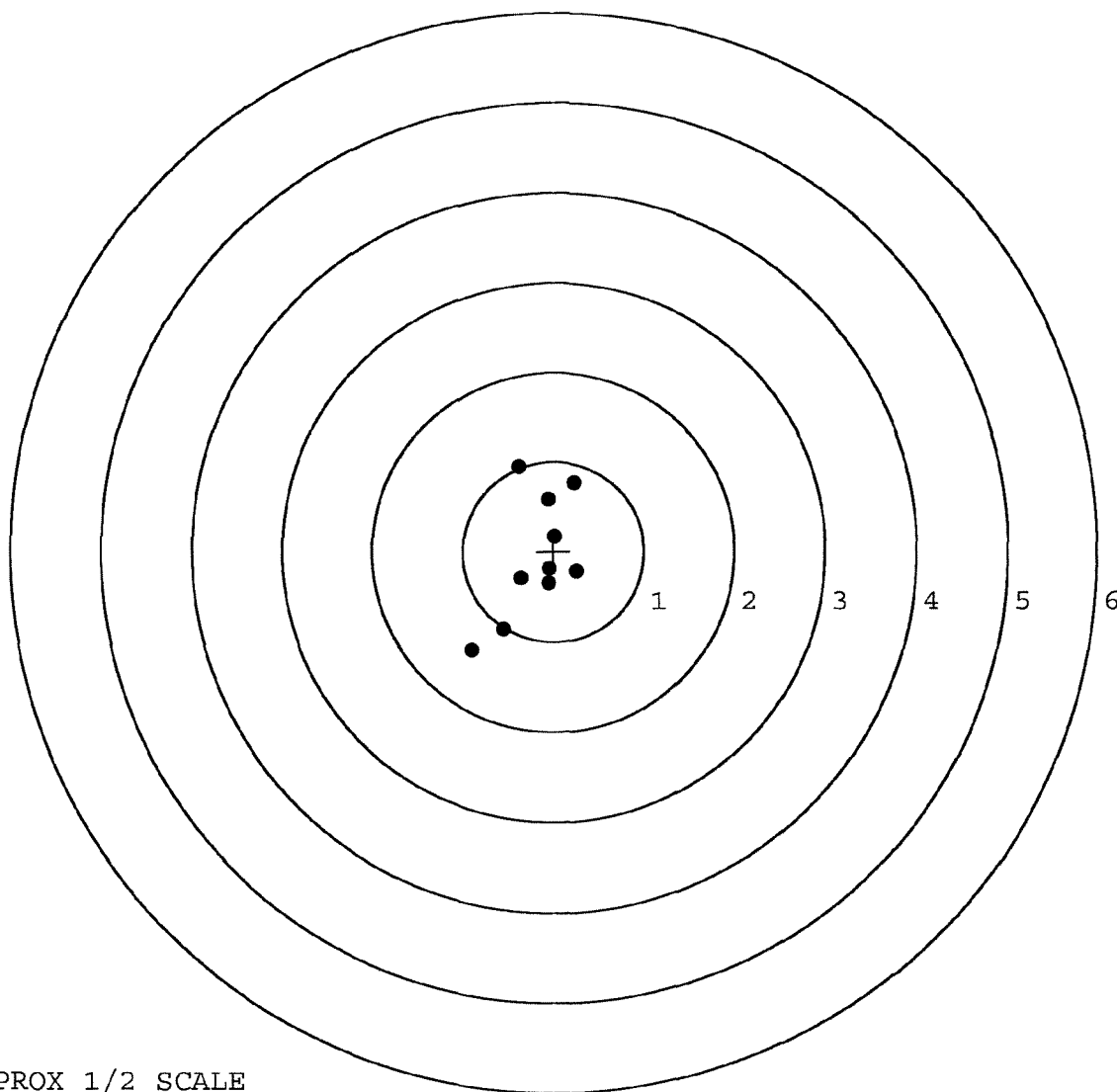
MEAN RADIUS: 0.632

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.898	-1.095
2:	-0.558	-0.866
3:	-0.363	-0.298
4:	0.227	0.764
5:	-0.062	0.574
6:	-0.386	0.942
7:	0.258	-0.222
8:	-0.058	-0.354
9:	0.019	0.160
10:	-0.052	-0.196



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257. __0

TARGET NUMBER: 5

FILE DATE: 10/25/2004

FILE TIME: 06:19

POINT#	X	Y
1:	0.987	-0.903
2:	-0.108	-0.894
3:	0.211	0.292
4:	-1.133	0.000
5:	-0.748	-0.062
6:	-0.200	-0.208
7:	-0.396	-0.001
8:	-0.525	0.186
9:	0.385	-0.289
10:	0.565	-0.117

X CENTROID: -0.096

Y CENTROID: -0.200

POA TO CENTROID: 0.222

HORZ SPREAD: 2.120

VERT SPREAD: 1.195

GROUP SPREAD: 2.304

MIN RADIUS: 0.104

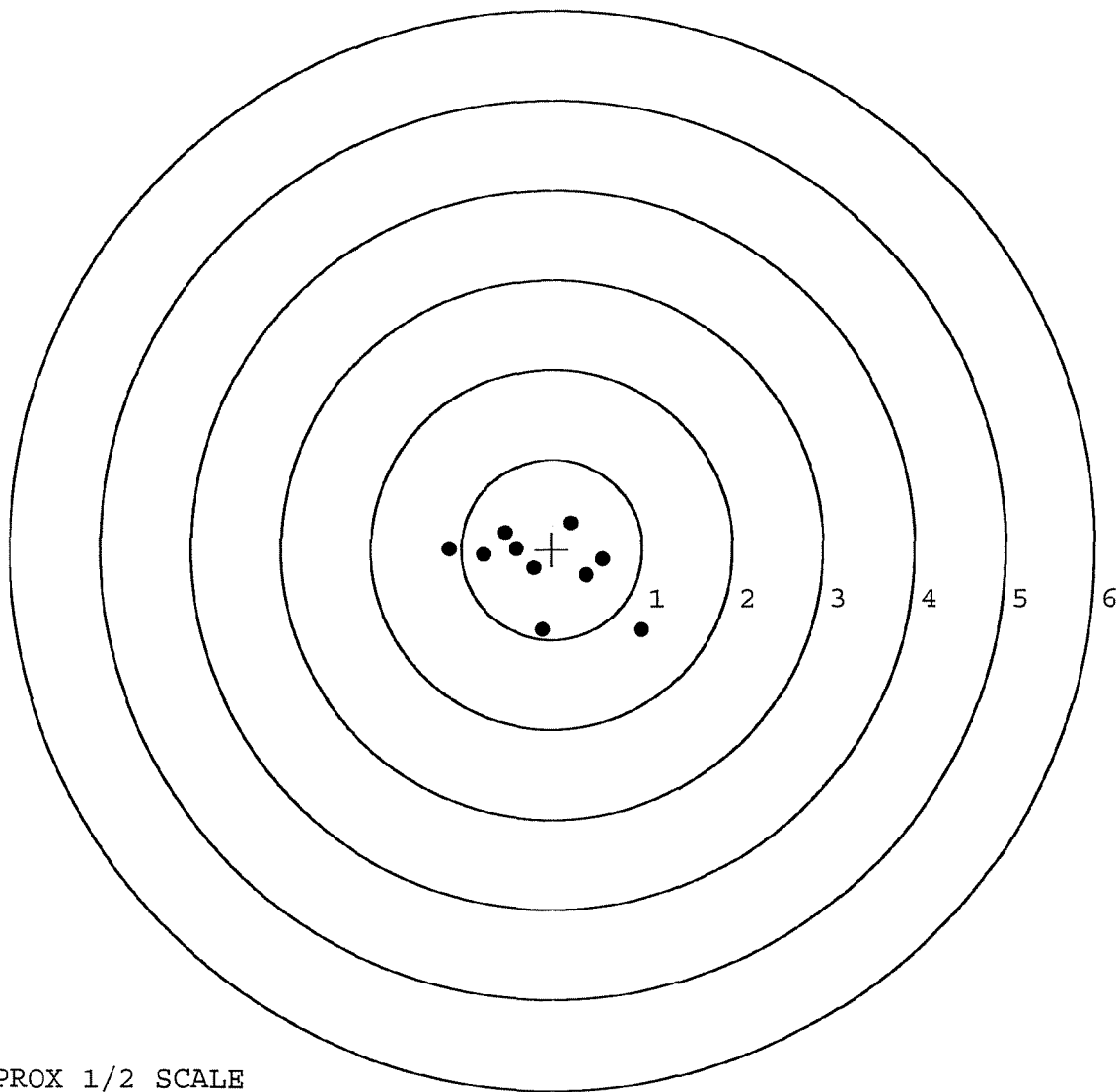
MAX RADIUS: 1.292

MEAN RADIUS: 0.648

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	85599		
SERIAL NUMBER	C 6522257		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-4-04	AC
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRCJ
575	ASSEMBLE	10-6-04	
600	PROOF	10-7-04	
605	CHECK HEADSPACE	10-7-04	
610	DIS-ASSEMBLE GUN	10-7-04	
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/19/04	HP
625 A	FINAL ASSEMBLY	10-21-04	RTL
B	TRIGGER PULL TEST	11-2-04	DA
C	SAFETY "ON" FORCE	11-2-04	DA
D	SAFETY "OFF" FORCE	11-2-04	DA
E	FIRING PIN INDENT	11-2-04	DA
640	TARGET	10-25-04	AC
655	FINAL INSPECT	10-26-04	RTL
660	PACK	11-2-04	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522257

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/13/90	KS
600	Proof		8/13/90	KS
607	Check Headspace		8/13/90	KS
610	Dis-assemble Gun		8/13/90	KS
612	Magnaflux Barrel Action		8/16	KCR
	Magnaflux Bolt		8/16	KCR
615	Rollmark Caliber		8/16	GL
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-31-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		9/10/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/10/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/10/90	WB
	H) Trigger Pull Test & Retainability						9/10/90	WB
	I) Firing Pin Indent	.024	.024	.024			9/10/90	WB
	J) Assemble Stock						9/11/90	KA
	K) Assemble Swivel Studs						9/15/90	J28
	L) Attach Front and Rear Sight Assemblies						9/11/90	KA
	M) Iron Sight Alignment						9/11/90	KA
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	KA
	O) Attach Scope to Rifle						9/11/90	KA
	P) Detach & Attach Scope 20 Times						9/11/90	KA
640	Gallery Target & Test						9/12/90	KT
	A) Time						9/12/90	KT
	B) Malfunctions						9/12/90	KT
	C) Pierced Primers						9/12/90	KT
	D) Optical Clarity of Scope						9/12/90	KT
645	Inspect for Live Ammo						9/12/90	KT
655	Final Inspection						9/15/90	J28
	A) Headspace						9-15-90	J28
	B) Trigger Pull	2.48	2.10	2.05	2.15	2.11	9/15/90	J28
	C) Function						9/15/90	J28
660	Pack						9/19/90	AF

SWS TRIGGER PULL TEST

TIME

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6527257

DATE 9/10/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.22	2.27	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.11	2.34	2.10	
PULL #3	2.45	2.31	2.40	2.05	
PULL #4	2.48	2.36	2.21	2.15	
PULL #5	2.30	2.28	2.33	2.11	
TOTAL	12.21	11.28	11.55	10.89	
AVG.	2.44	2.25	2.31	2.178	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.30		
PULL #2	3.21	3.34		
PULL #3	3.19	3.30		
PULL #4	3.19	3.24		
PULL #5	3.21	3.28		
TOTAL	16.04	16.46		
AVG.	3.21	3.29		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.17		3.85
PULL #2	4.15	4.14		3.95
PULL #3	4.14	4.10		3.93
PULL #4	4.12	4.05		3.85
PULL #5	4.13	4.12		3.95
TOTAL	20.71	20.58		19.53
AVG.	4.14	4.11		3.90

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522257
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.114634
1 TO	2	.336488
1 TO	3	.0657647
1 TO	4	.264371
1 TO	5	.371286

SP
4

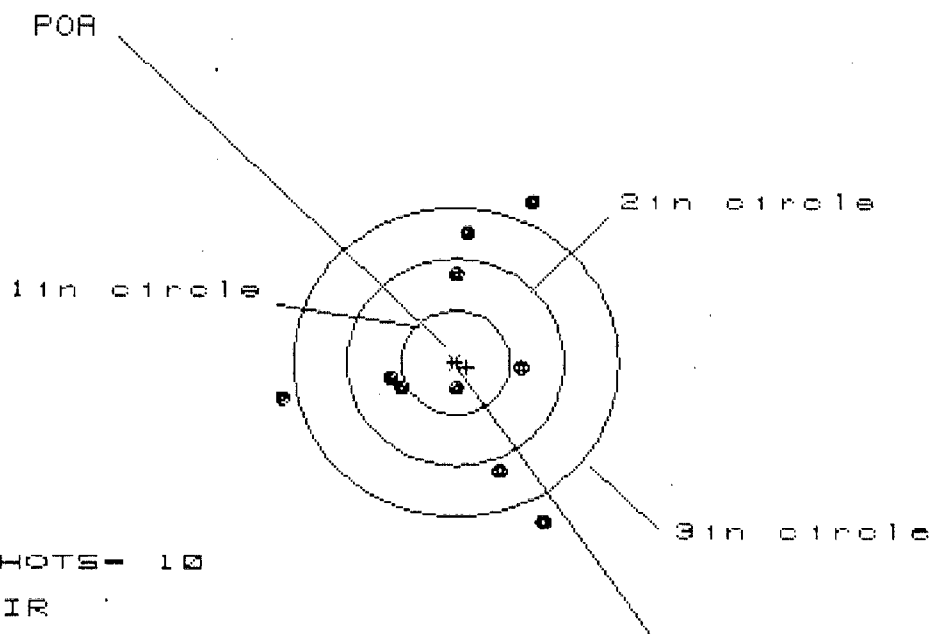
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0922
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2444
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .261213
THE AMR FOR THIS RIFLE IS: 1.082

12 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 7

HS = 2.346

VS = 3.106

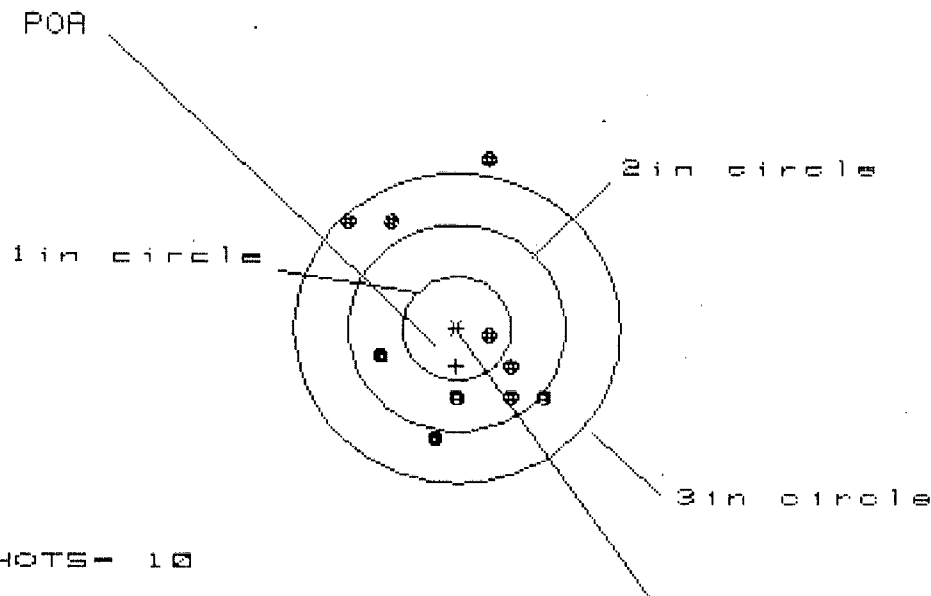
GS = 3.107

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.785	.816	.776
MINIMUM X	-1.561	-1.474	-1.372
MAXIMUM Y	1.559	1.387	1.247
MINIMUM Y	-1.547	-1.286	-1.033
CENTROID X	-.105	-.192	-.294
CENTROID Y	.046	.218	.045
POA TO CENTROID in.	.115	.291	.298
MIN RADIUS	.224	.406	.293
MEAN RADIUS	1.024	.952	.832
MAX RADIUS	1.735	1.609	1.414
HORIZONTAL SPREAD	2.346	2.290	2.148
VERTICAL SPREAD	3.106	2.593	2.280
EXTREME SPREAD	3.107	2.978	2.332
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

12 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 8

HS= 1.755

VS= 2.636

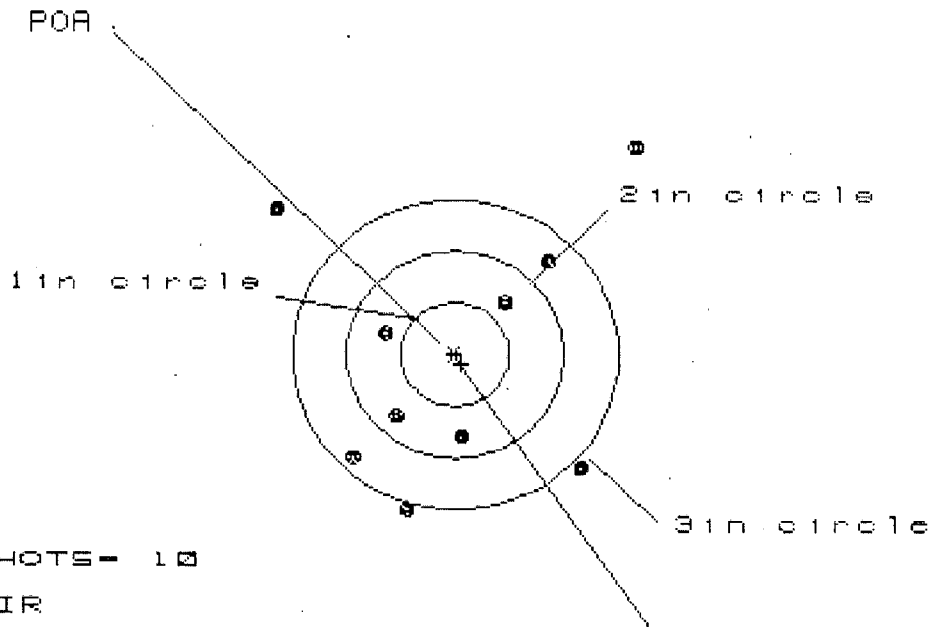
GS= 2.679

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.784	.820	.703
MINIMUM X	:	-.971	-.935	-.833
MAXIMUM Y	:	1.598	1.257	1.352
MINIMUM Y	:	-1.038	-.861	-.704
CENTROID X	:	.005	-.031	.086
CENTROID Y	:	.364	.187	.030
POA TO CENTROID in.	:	.364	.189	.091
MIN RADIUS	:	.321	.373	.307
MEAN RADIUS	:	.958	.844	.693
MAX RADIUS	:	1.629	1.567	1.511
HORIZONTAL SPREAD	:	1.755	1.755	1.536
VERTICAL SPREAD	:	2.636	2.118	2.056
EXTREME SPREAD	:	2.679	2.472	2.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.370

VS= 3.414

GS= 4.040

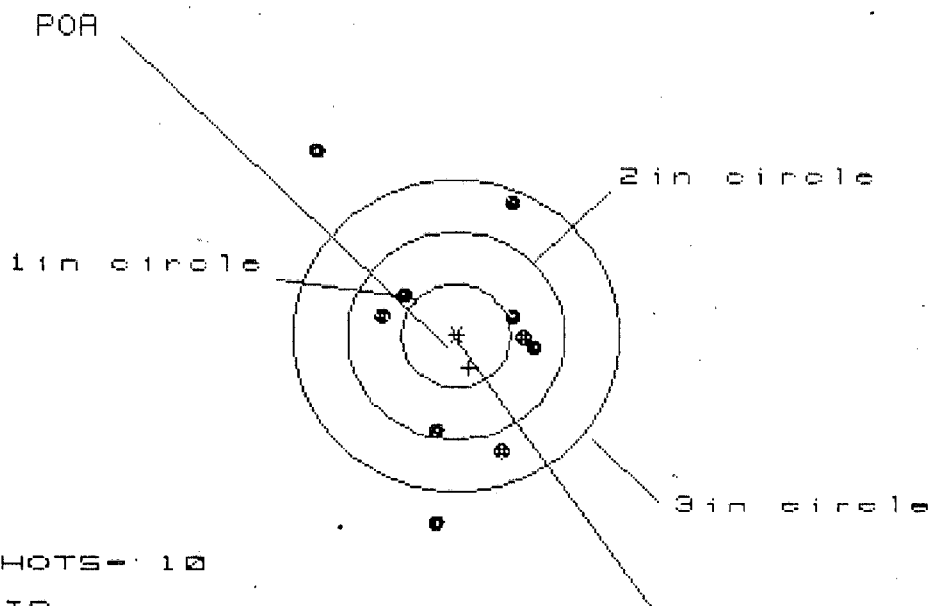
CENTROID #

PATTERN #	3	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.694	1.323	1.137
MINIMUM X	-1.676	-1.488	-.910
MAXIMUM Y	1.971	1.631	1.308
MINIMUM Y	-1.443	-1.224	-1.020
CENTROID X	-.059	-.247	-.061
CENTROID Y	.093	-.126	-.330
POA TO CENTROID in.	.110	.278	.336
MIN RADIUS	.643	.520	.401
MEAN RADIUS	1.350	1.161	1.005
MAX RADIUS	2.599	2.200	1.587
HORIZONTAL SPREAD	3.370	2.811	2.048
VERTICAL SPREAD	3.414	2.855	2.328
EXTREME SPREAD	4.040	3.791	2.698
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

12 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 4



OF SHOTS-- 10

IN CIR

1 in = 0

2 in = 6

3 in = 4

HS= 2.012

VS= 3.613

GS= 3.786

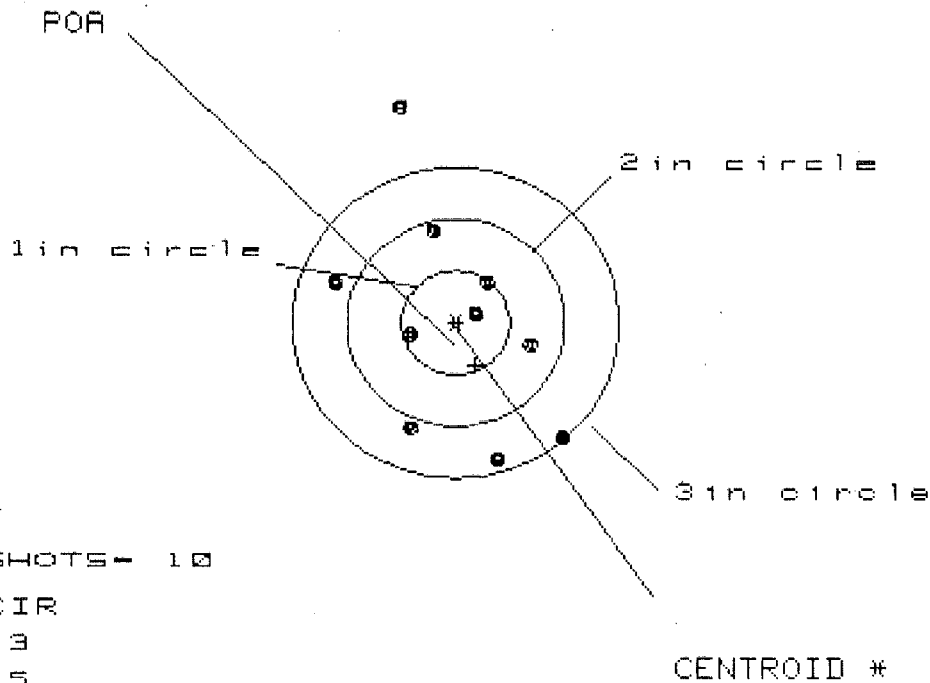
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.731	.588	.552
MINIMUM X	:	-1.281	-.796	-.832
MAXIMUM Y	:	1.808	1.526	1.325
MINIMUM Y	:	-1.805	-1.604	-1.066
CENTROID X	:	-.119	.024	.060
CENTROID Y	:	.310	.109	.310
POA TO CENTROID in.	:	.332	.112	.316
MIN RADIUS	:	.541	.514	.379
MEAN RADIUS	:	1.067	.916	.800
MAX RADIUS	:	2.216	1.631	1.363
HORIZONTAL SPREAD	:	2.012	1.384	1.384
VERTICAL SPREAD	:	3.613	3.130	2.391
EXTREME SPREAD	:	3.786	3.197	2.392
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		4	

12 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522257

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.147

VS= 3.383

GS= 3.561

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.951	.751
MINIMUM X	:	-1.143	-1.196	-1.078
MAXIMUM Y	:	2.082	1.156	1.041
MINIMUM Y	:	-1.301	-1.070	-1.185
CENTROID X	:	-.183	-.130	-.248
CENTROID Y	:	.409	.178	.293
POA TO CENTROID in.	:	.448	.220	.384
MIN RADIUS	:	.202	.320	.311
MEAN RADIUS	:	1.012	.886	.814
MAX RADIUS	:	2.137	1.350	1.276
HORIZONTAL SPREAD	:	2.147	2.147	1.829
VERTICAL SPREAD	:	3.383	2.226	2.226
EXTREME SPREAD	:	3.561	2.647	2.304
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

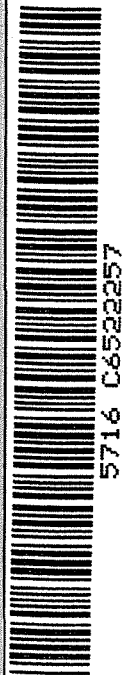
Remington  REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

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

SERIAL NO. C6522257	ORDER NO. 5716
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UPC

