

C6348741

MODEL 700™ M24

Model **SMS**™

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: RE00154257

Serial: C6348741 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 10/30/2008 8:24:21 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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
A007	With Stud	2
A057	Fit and Rear Sgt Base	1
D000	SCOPE/NO RINGS	1

Repair Search

Refresh

Close

naglej

10/30/2008

12:42 PM

CAPS

NUM

INS

SCRL



Serial Number: **C6348741**
 Model: **M24 SWS**

RE00154257

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

R & E NUMBER

154257

SERIAL NUMBER

0634874

LOG-IN DATE

10-30-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-5-08	RTZ
505	RE-BARREL	11-2-08	RTZ
560	ASSEMBLE	11-2-08	RTZ
600	PROOF	11-11-08	PPD
605	CHECK HEADSPACE	11-11-08	PPD
610	DIS-ASSEMBLE GUN	11-11-08	PPD
612	MAGNAFLUX	11-17-08	PPD
510	DRILL AND TAP	11-12-08	SR
615	ROLLMARK CALIBER	11-17-08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	11-21	
625	FINAL ASSEMBLY	12-2-08	RTZ
640	FUNCTION TEST AND	12-4-08	PPD
650	TARGET	12-4-08	PPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-5-08	PPD
	A) HEADSPACE	12-5-08	PPD
	B) TRIGGER PULL	2.57 2.54 2.55 2.54 2.60	12-5-08 PPD
	C) SAFETY ON FORCE	3.0 3.0 3.0	12-5-08 PPD
	D) SAFETY OFF FORCE	5.0 5.0 5.0	12-5-08 PPD
	E) FIRING PIN INDENT	-0.021 -0.022 -0.022	12-5-08 PPD
690	PACK		12-5-08 PPD

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348741.__0

FILE DATE AND TIME: 12/05/2008 08:18

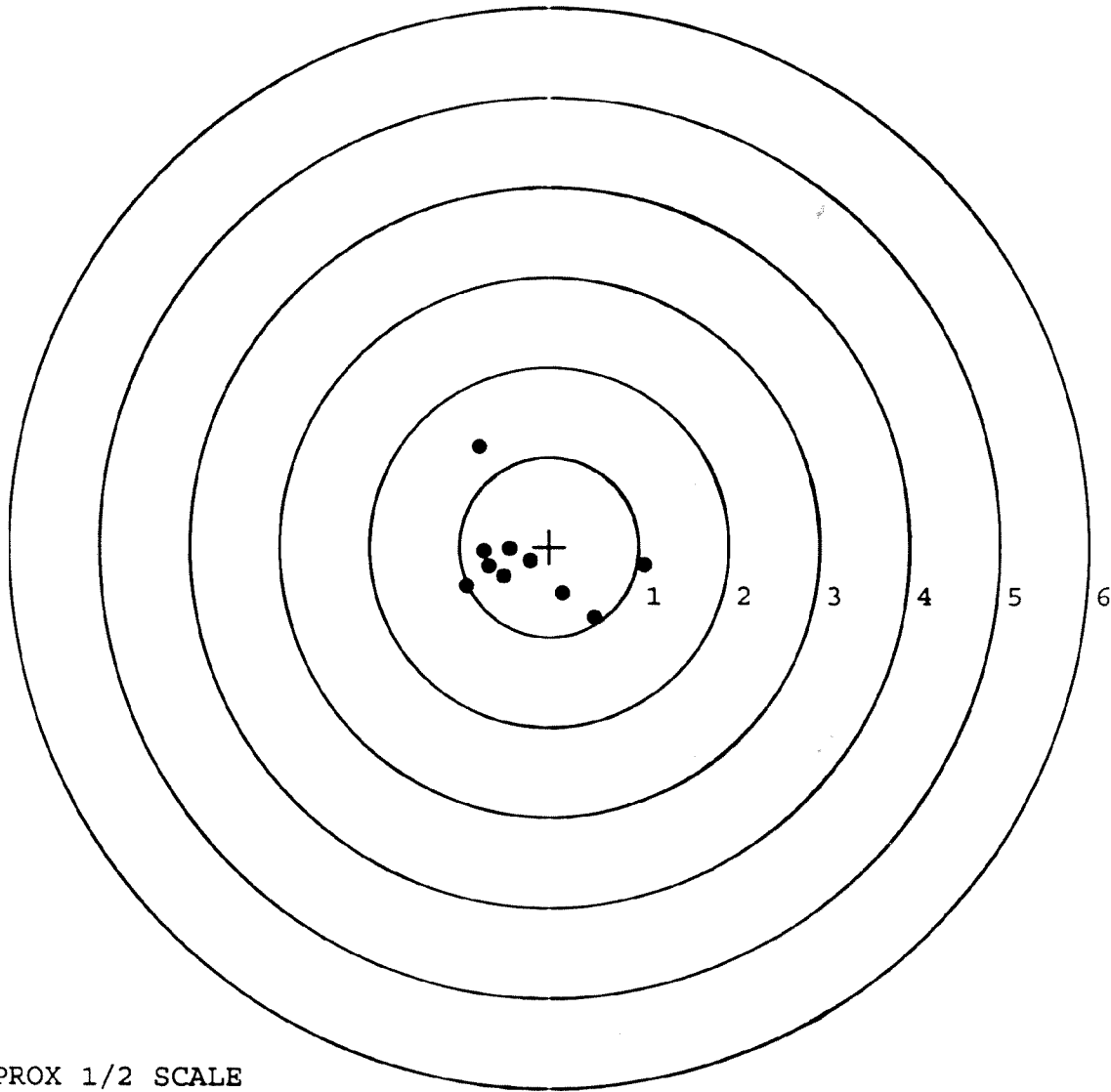
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.123
The Average Y Centroid of the Five Target Set:	-0.096
The Average Point of Impact of the Five Target Set:	0.156
The Average Mean Radius of the Five Target Set:	0.762
The Distance from POA to Centroid Target #1:	0.303
The Distance from Centroid Target #2 to Centroid Target #1:	0.416
The Distance from Centroid Target #3 to Centroid Target #1:	0.415
The Distance from Centroid Target #4 to Centroid Target #1:	0.588
The Distance from Centroid Target #5 to Centroid Target #1:	0.584

SERIAL NUMBER: C6348741. 0
 TARGET NUMBER: 1
 FILE DATE: 12/05/2008
 FILE TIME: 08:18

POINT#	X	Y
1:	-0.780	1.118
2:	-0.218	-0.155
3:	-0.442	-0.024
4:	-0.729	-0.048
5:	-0.675	-0.216
6:	-0.926	-0.437
7:	-0.511	-0.327
8:	0.151	-0.524
9:	0.502	-0.789
10:	1.063	-0.207

X CENTROID: -0.256
 Y CENTROID: -0.161
 POA TO CENTROID: 0.303
 HORZ SPREAD: 1.989
 VERT SPREAD: 1.907
 GROUP SPREAD: 2.298
 MIN RADIUS: 0.039
 MAX RADIUS: 1.382
 MEAN RADIUS: 0.644
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

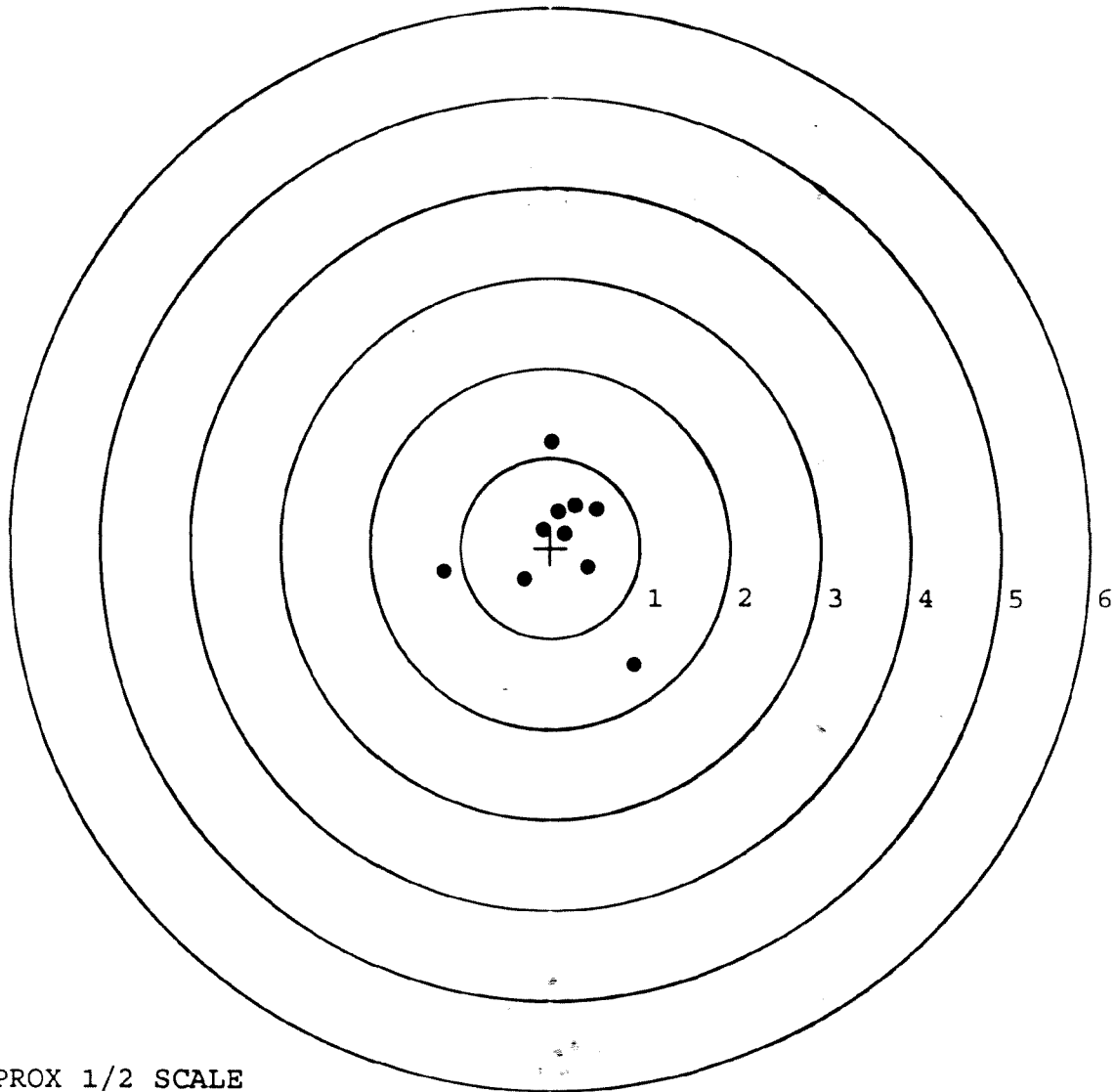


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348741. 0
 TARGET NUMBER: 2
 FILE DATE: 12/05/2008
 FILE TIME: 08:18

POINT#	X	Y
1:	0.020	1.185
2:	0.521	0.433
3:	0.284	0.468
4:	0.095	0.406
5:	-0.081	0.201
6:	0.165	0.155
7:	0.415	-0.220
8:	0.934	-1.297
9:	-0.290	-0.351
10:	-1.184	-0.263

X CENTROID: 0.088
 Y CENTROID: 0.072
 POA TO CENTROID: 0.113
 HORZ SPREAD: 2.118
 VERT SPREAD: 2.482
 GROUP SPREAD: 2.645
 MIN RADIUS: 0.114
 MAX RADIUS: 1.609
 MEAN RADIUS: 0.671
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348741. 0

TARGET NUMBER: 3

FILE DATE: 12/05/2008

FILE TIME: 08:18

POINT#	X	Y
1:	-0.944	0.514
2:	-0.852	0.206
3:	0.003	-0.459
4:	0.509	-0.911
5:	0.093	-0.233
6:	0.159	-0.016
7:	0.328	0.032
8:	0.587	-0.146
9:	0.483	0.304
10:	1.009	0.415

X CENTROID: 0.137

Y CENTROID: -0.029

POA TO CENTROID: 0.141

HORZ SPREAD: 1.953

VERT SPREAD: 1.425

GROUP SPREAD: 2.035

MIN RADIUS: 0.025

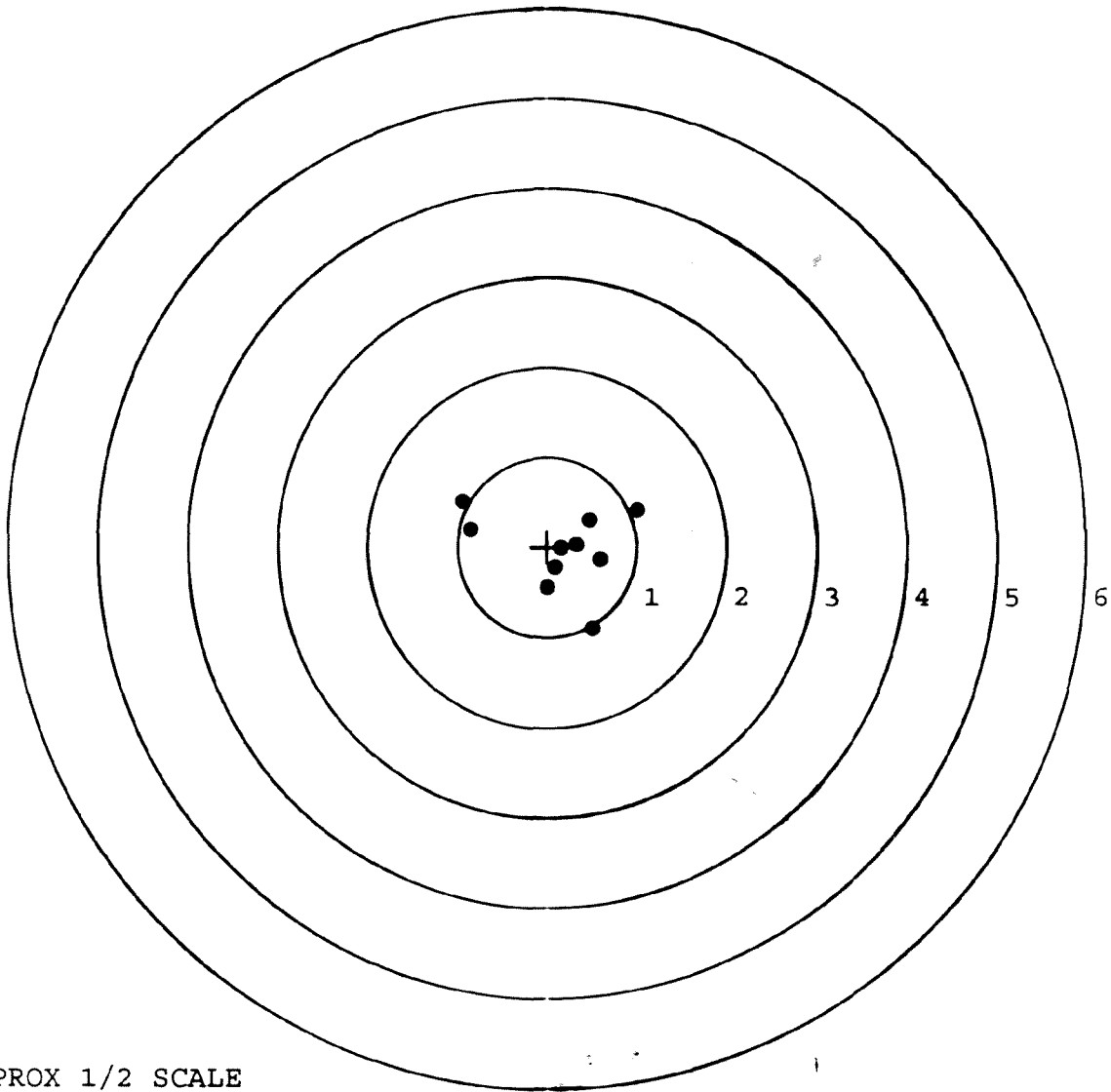
MAX RADIUS: 1.210

MEAN RADIUS: 0.599

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

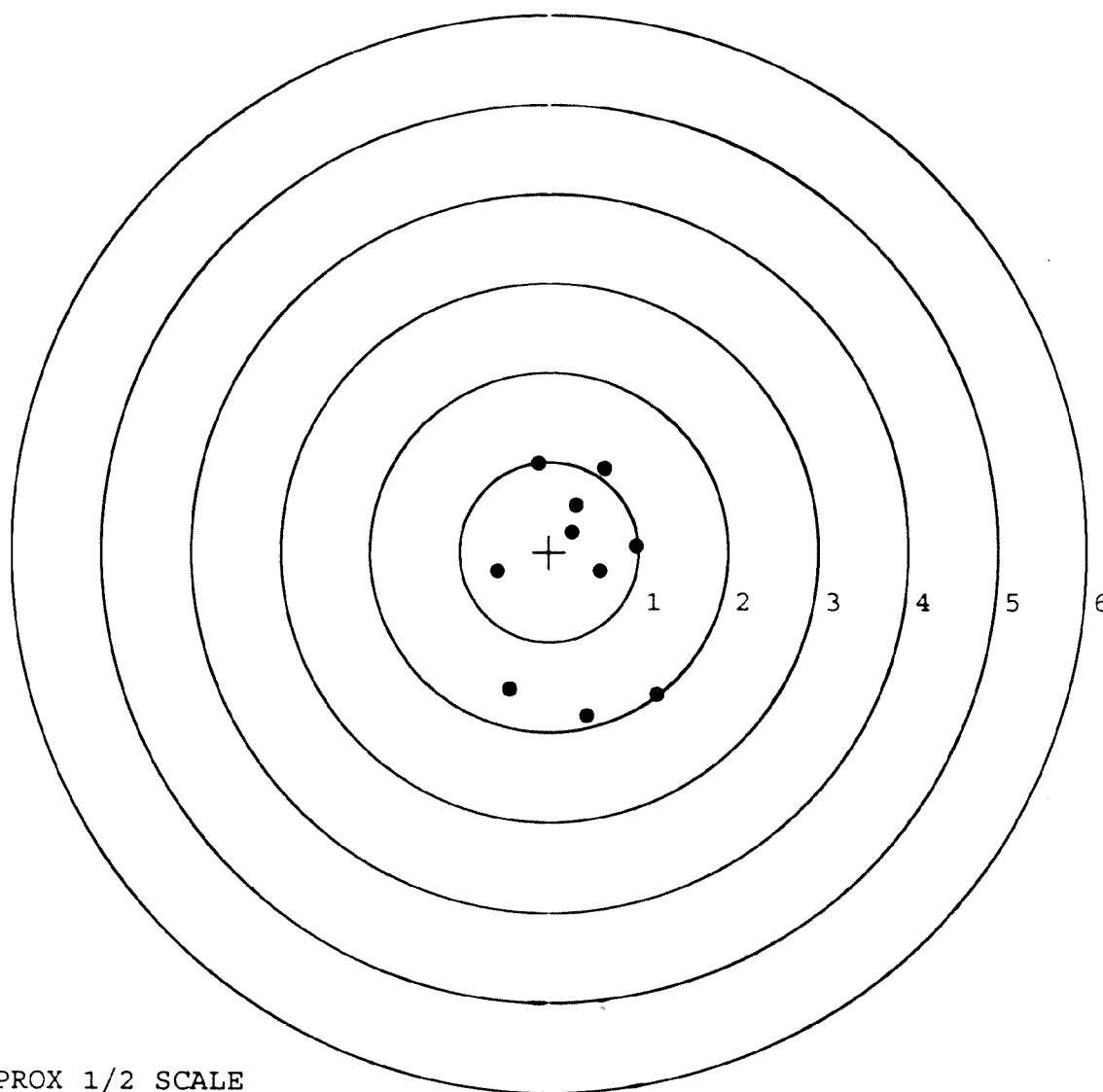


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 66240062857 0
TARGET NUMBER: 4
FILE DATE: 12/05/2008
FILE TIME: 08:18

POINT#	X	Y
1:	1.204	-1.587
2:	0.421	-1.830
3:	-0.442	-1.527
4:	-0.575	-0.215
5:	0.568	-0.218
6:	0.979	0.063
7:	0.258	0.220
8:	0.303	0.516
9:	0.625	0.923
10:	-0.125	0.984

X CENTROID: 0.322
Y CENTROID: -0.267
POA TO CENTROID: 0.418
HORZ SPREAD: 1.779
VERT SPREAD: 2.814
GROUP SPREAD: 2.894
MIN RADIUS: 0.251
MAX RADIUS: 1.588
MEAN RADIUS: 1.034
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

BARBER - M24 0062858

SERIAL NUMBER: C6348741. __0

TARGET NUMBER: 5

FILE DATE: 12/05/2008

FILE TIME: 08:18

POINT#	X	Y
1:	0.734	0.980
2:	0.422	0.852
3:	0.205	1.028
4:	-0.635	0.475
5:	0.358	-0.075
6:	0.898	-0.626
7:	0.767	-0.623
8:	0.451	-0.748
9:	0.153	-0.892
10:	-0.122	-1.301

X CENTROID: 0.323

Y CENTROID: -0.093

POA TO CENTROID: 0.336

HORZ SPREAD: 1.533

VERT SPREAD: 2.329

GROUP SPREAD: 2.436

MIN RADIUS: 0.039

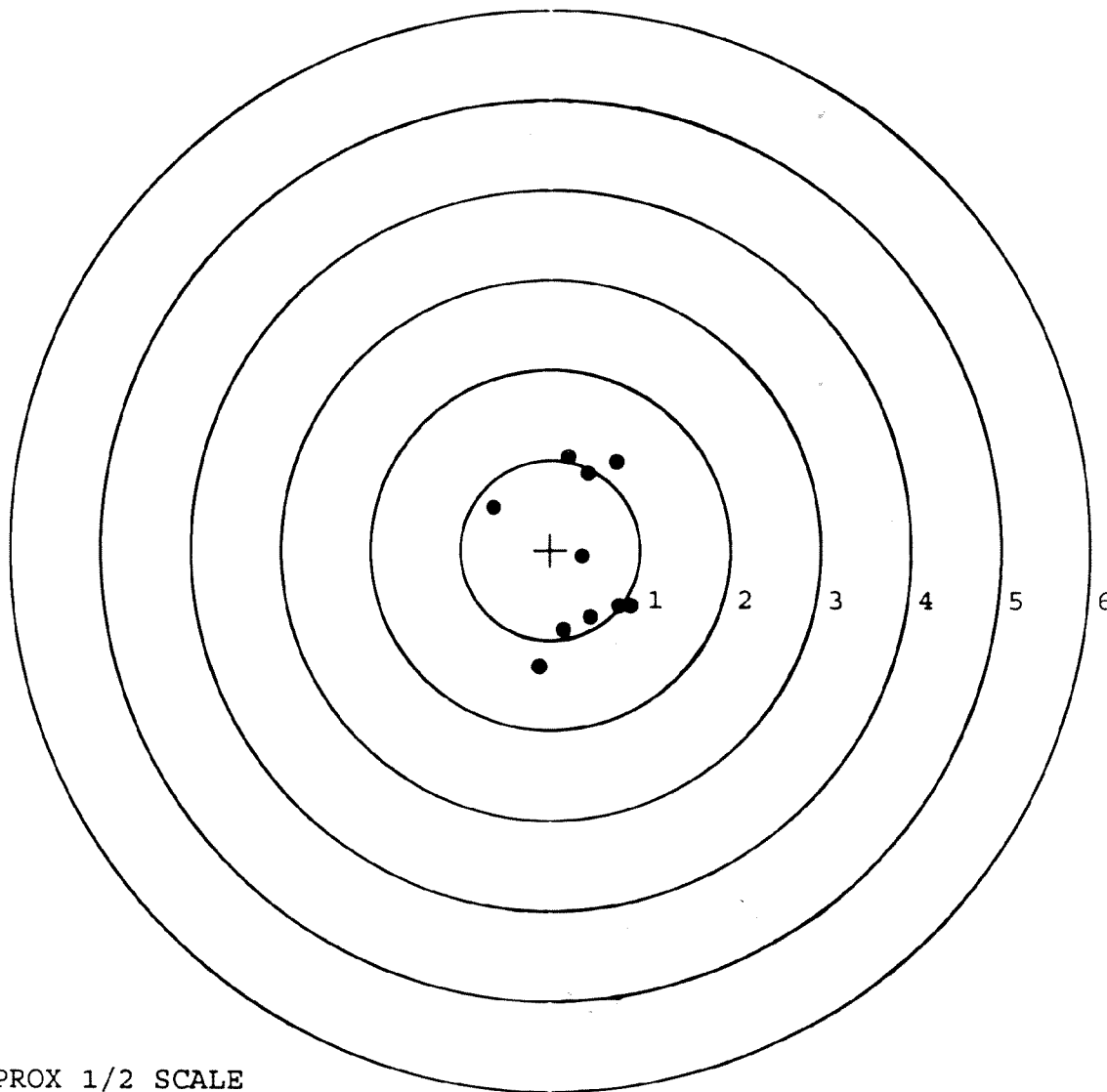
MAX RADIUS: 1.287

MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348741

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	REJECTED	11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

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

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348741

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	11-8	89	RW
600	Proof	11-8	89	RW
607	Check Headspace	11-8	89	RW
610	Dis-assemble Gun	11-8	89	RW
612	Magnaflux Barrel Action	11-9-89		KCR
	Magnaflux Bolt	11-9-89		KCR
615	Rollmark Caliber			
617	Drill and Tap Sight Holes	11 9	89	LB
618	Polish Barrel RB	11 9	89	BT
620	Apply Coatings (Barrel Action)		11-17-89	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/27/89	RW
	C) Inspect Ejector Hole for Chamfer		11/27/89	RW
	D) Oil Firing Pin Ass'y		11/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5 Dec 89	92

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4	3	4	5 Dec 89	JL
	G) Safety Off Force	3	3	3	5 Dec 89	JL
	H) Trigger Pull Test & Retainability				5 Dec 89	JL
	I) Firing Pin Indent	0.215	0.215	0.215	5 Dec 89	JL
	J) Assemble Stock				12/6/89	RW
	K) Assemble Swivel Studs				8 Dec 89	JL
	L) Attach Front and Rear Sight Assemblies				12/6/89	RW
	M) Iron Sight Alignment				12/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container				12/6/89	RW
	O) Attach Scope to Rifle				6 Dec 89	JL
	P) Detach & Attach Scope 20 Times				6 Dec 89	JL
640	Gallery Target & Test				12-7-89	DH
	A) Time				12-7-89	DH
	B) Malfunctions				12-7-89	DH
	C) Pierced Primers				12-7-89	DH
	D) Optical Clarity of Scope				12-7-89	DH
645	Inspect for Live Ammo				12-7-89	DH
655	Final Inspection				8 Dec 89	JL
	A) Headspace				8 Dec 89	JL
	B) Trigger Pull	2.46	2.49	2.50	8 Dec 89	JL
	C) Function				8 Dec 89	JL
660	Pack				15 Dec 89	JL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348741DATE 4-6-90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.45	2.28	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.29	2.49	
PULL #3	2.37	2.21	2.51	
PULL #4	2.37	2.34	2.46	
PULL #5	2.41	2.29	2.42	
TOTAL	12.04	11.41	12.36	
AVG.	2.41	2.28	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.28	3.12	
PULL #2	3.19	3.18	
PULL #3	3.27	3.08	
PULL #4	3.14	3.09	
PULL #5	3.17	3.09	
TOTAL	16.05	15.56	
AVG.	3.21	3.11	

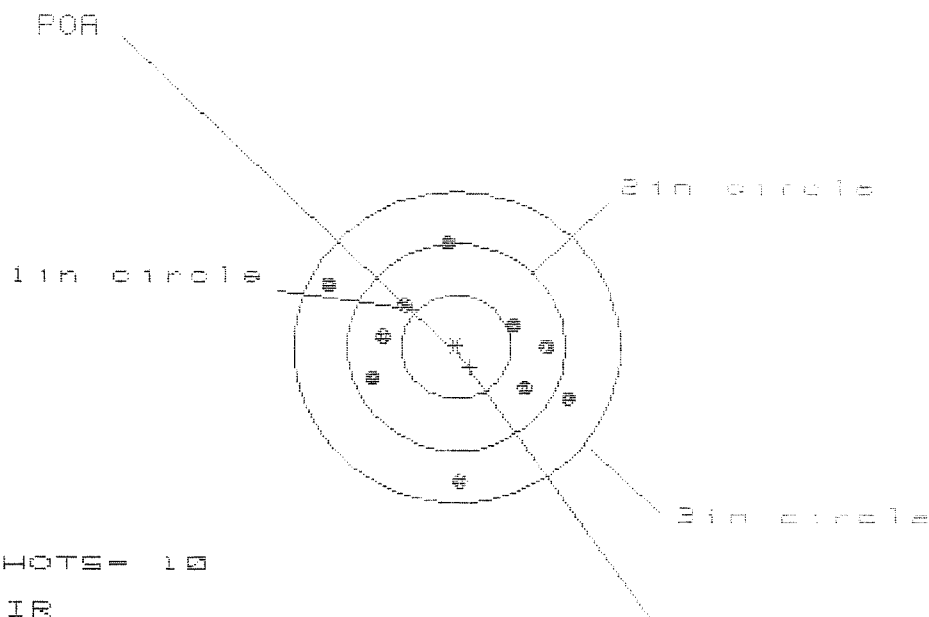
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.23		
PULL #2	4.26	4.24		
PULL #3	4.24	4.20		
PULL #4	4.24	4.24		
PULL #5	4.27	4.19		
TOTAL	21.23	21.10		
AVG.	4.24	4.22		

7 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348741

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

IS = 2.234

VS = 2.234

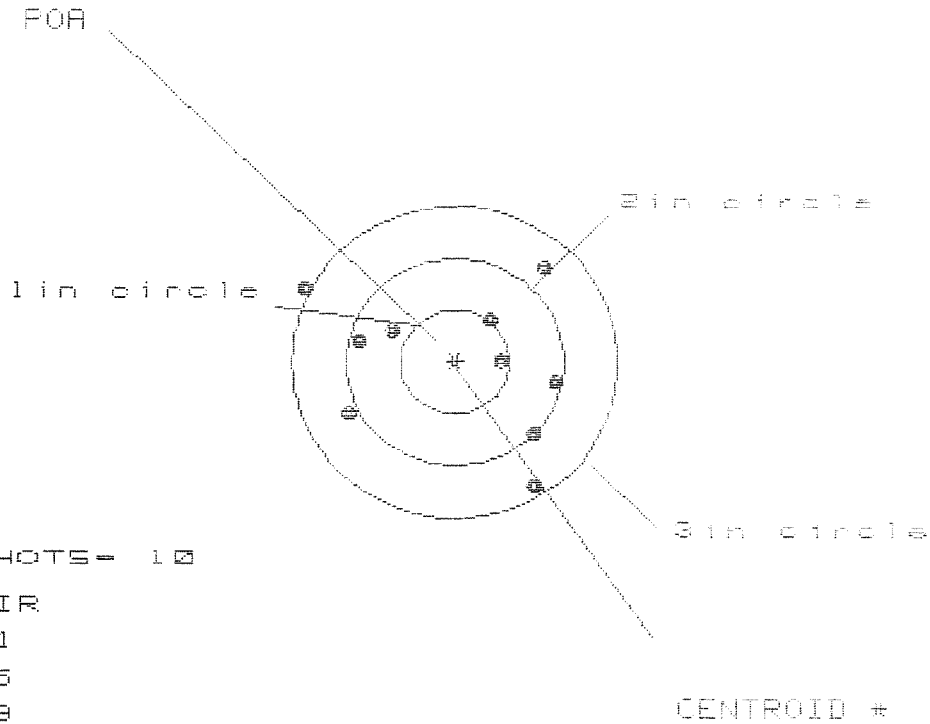
GS = 2.478

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.051	.919	.985
MINIMUM X	-1.103	-.924	-.938
MAXIMUM Y	.975	1.044	.895
MINIMUM Y	-1.259	-1.190	-.535
CENTROID X	-.126	.006	.028
CENTROID Y	.193	.124	.273
POA TO CENTROID in.	.230	.125	.274
MIN RADIUS	.570	.478	.409
MEAN RADIUS	.897	.837	.775
MAX RADIUS	1.335	1.196	1.052
HORIZONTAL SPREAD	2.234	1.843	1.843
VERTICAL SPREAD	2.234	2.234	1.438
EXTREME SPREAD	2.478	2.235	1.855
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

7 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348741

CENTERFIRE PATTERNS # 2

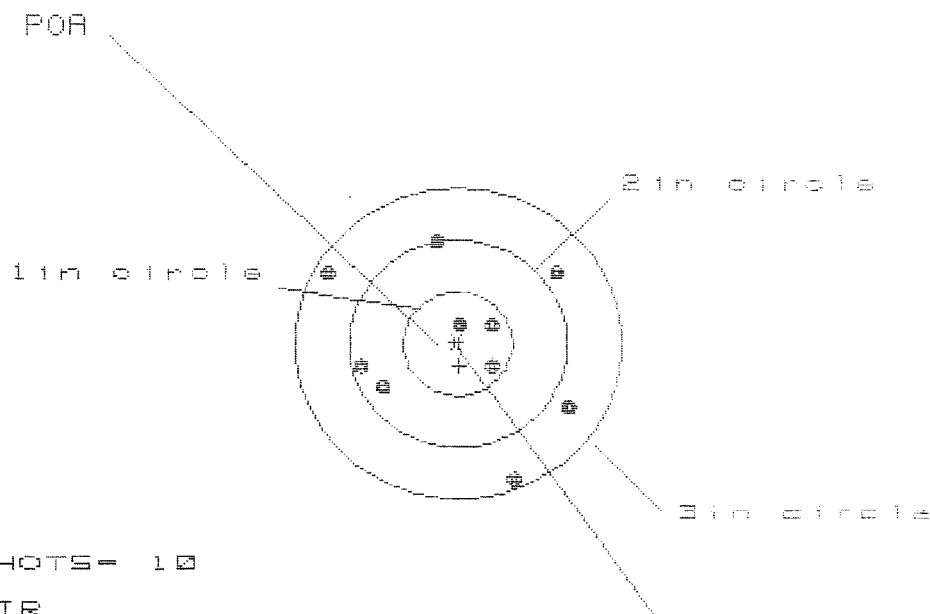


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.931	.774	.845
MINIMUM X	:	-1.413	-1.184	-1.113
MAXIMUM Y	:	.872	.949	.816
MINIMUM Y	:	-1.146	-1.069	-.779
CENTROID X	:	-.022	.135	.064
CENTROID Y	:	-.010	-.087	.046
POA TO CENTROID in.	:	.024	.161	.079
MIN RADIUS	:	.452	.310	.368
MEAN RADIUS	:	.988	.980	.852
MAX RADIUS	:	1.576	1.254	1.241
HORIZONTAL SPREAD	:	2.344	1.958	1.958
VERTICAL SPREAD	:	2.018	2.018	1.595
EXTREME SPREAD	:	2.823	2.319	2.319
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06348741

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.223

VS= 2.309

GS= 2.649

CENTROID *

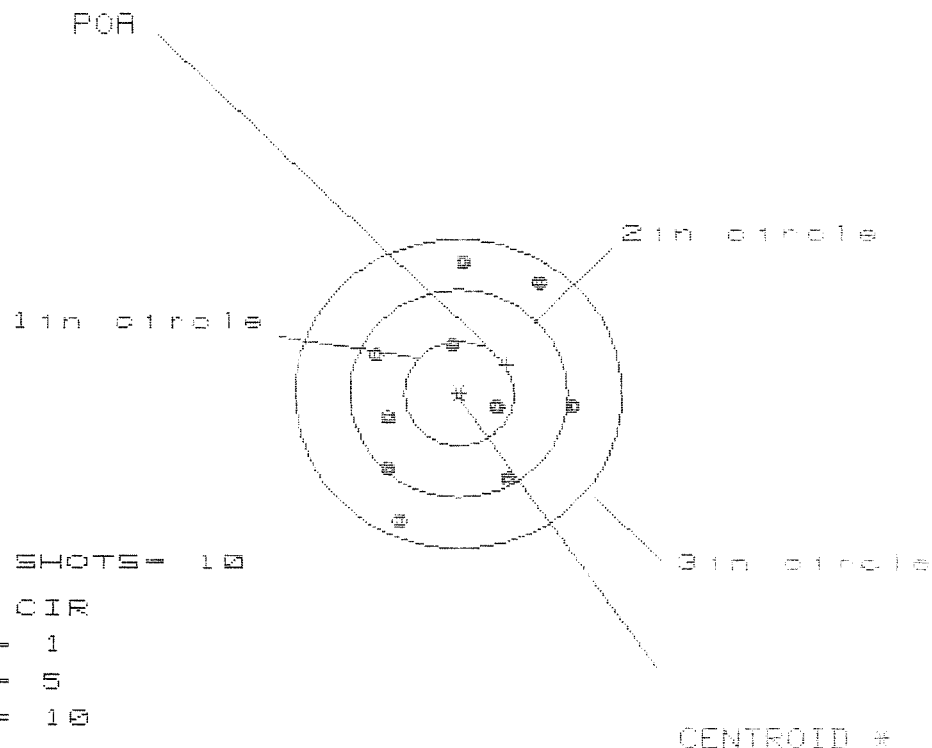
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.025	1.082	.939
MINIMUM X	:	-1.198	-1.141	-.933
MAXIMUM Y	:	.958	.868	.874
MINIMUM Y	:	-1.351	-.753	-.687
CENTROID X	:	-.011	-.068	.075
CENTROID Y	:	.213	.363	.297
POA TO CENTROID in.	:	.213	.369	.307
MIN RADIUS	:	.187	.059	.141
MEAN RADIUS	:	.876	.796	.725
MAX RADIUS	:	1.444	1.318	1.164
HORIZONTAL SPREAD	:	2.223	2.223	1.872
VERTICAL SPREAD	:	2.309	1.561	1.561
EXTREME SPREAD	:	2.649	2.564	2.000
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834674)

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.799

VS= 2.472

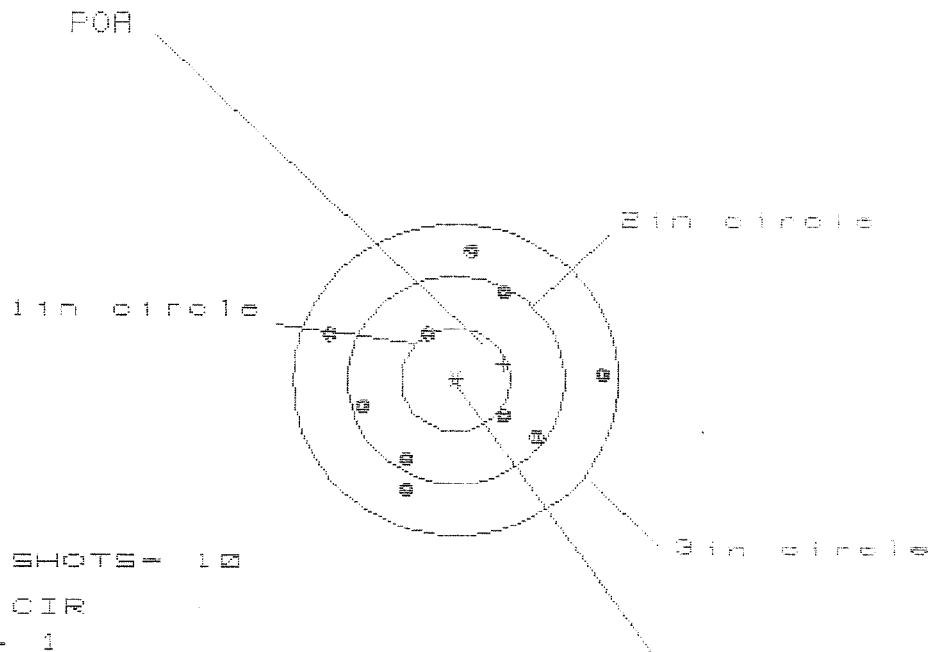
GS= 2.660

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	1.166	1.106
MINIMUM X	:	-.716	-.633	-.693
MAXIMUM Y	:	1.268	1.392	1.256
MINIMUM Y	:	-1.204	-1.088	-.810
CENTROID X	:	-.445	-.528	-.468
CENTROID Y	:	-.275	-.399	-.264
POA TO CENTROID in.	:	.523	.661	.537
MIN RADIUS	:	.397	.448	.422
MEAN RADIUS	:	.943	.890	.845
MAX RADIUS	:	1.340	1.394	1.257
HORIZONTAL SPREAD	:	1.799	1.799	1.799
VERTICAL SPREAD	:	2.472	2.472	2.067
EXTREME SPREAD	:	2.660	2.535	2.143
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	10		

7 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348741

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.577

VS= 2.386

GS= 2.609

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.377	.941	.984
MINIMUM X	:	-1.200	-1.047	-1.004
MAXIMUM Y	:	1.297	1.302	1.019
MINIMUM Y	:	-1.089	-1.084	-.921
CENTROID X	:	-.441	-.594	-.637
CENTROID Y	:	-.149	-.154	-.317
POA TO CENTROID in.	:	.466	.614	.711
MIN RADIUS	:	.495	.443	.598
MEAN RADIUS	:	.996	.941	.874
MAX RADIUS	:	1.378	1.345	1.182
HORIZONTAL SPREAD	:	2.577	1.988	1.988
VERTICAL SPREAD	:	2.386	2.386	1.940
EXTREME SPREAD	:	2.609	2.484	2.231
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

Remington



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

MODEL 700TM M24

SERIAL NO.

C6348741

ORDER NO.

5716

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

Ø1



5716 C6348741

UPC



0 47700 25716 7