

C6349174

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00102227

Serial: C6349174 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Status:

Closed 10/12/2005 2:11:01 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: FB4484 305 APS/TRTC

FB4484 305 APS/TRTC

Address 1: 3101 VANDENBERG AVE

3101 VANDENBERG AVE

Address 2:

PO Box:

PO Box:

City: MCGUIRE AIR FORCE BASE

MCGUIRE AIR FORCE BASE

State: NJ

Zip Code: 08641

Country: US

State: NJ

Zip Code: 08641

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 Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

Inq101j

10/13/2005

8:58 AM

C-APS

INUM

IINE

SCPL

start

2

3

Arms S...

3

3

3

3

3

Serial Number: C6349174

Model: M24 SWS



RE00102227

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)

DATE

10-13-05

TESTER

SF

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.25	2.56		2.25	
PULL #2	2.14	2.68		2.52	
PULL #3	2.52	2.65		2.51	
PULL #4	2.53	2.54		2.59	
PULL #5	2.43	2.43		2.51	
TOTAL	11.87	12.86		12.38	
AVERAGE	2.37	2.57		2.48	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.43		
PULL #2	3.52	3.05		
PULL #3	3.45	3.23		
PULL #4	3.42	3.37		
PULL #5	2.93	3.44		
TOTAL	16.74	16.52		
AVERAGE	3.35	3.30		

	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	3.68	3.87		4.24
PULL #2	3.88	3.87		4.26
PULL #3	4.01	3.93		4.30
PULL #4	3.65	3.77		4.25
PULL #5	3.90	3.89		4.25
TOTAL	19.12	19.33		21.30
AVERAGE	3.82	3.87		4.26

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349174.___0
FILE DATE AND TIME: 12/28/2005 15:47

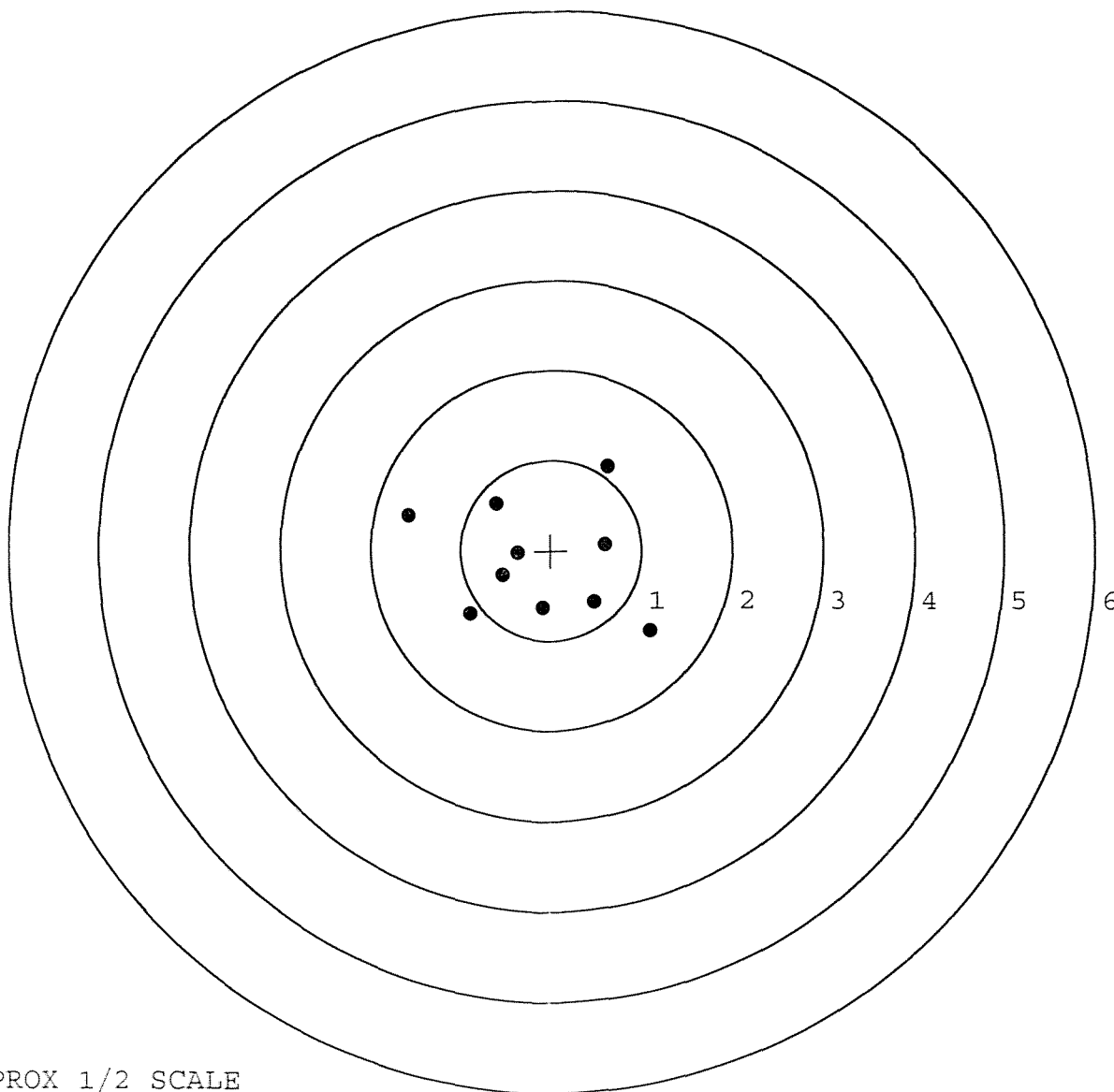
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.074
The Average Y Centroid of the Five Target Set:	-0.015
The Average Point of Impact of the Five Target Set:	0.076
The Average Mean Radius of the Five Target Set:	0.639
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.061
The Distance from Centroid Target #3 to Centroid Target #1:	0.266
The Distance from Centroid Target #4 to Centroid Target #1:	0.100
The Distance from Centroid Target #5 to Centroid Target #1:	0.301

SERIAL NUMBER: C6349174. __0
 TARGET NUMBER: 1
 FILE DATE: 12/28/2005
 FILE TIME: 15:47

X CENTROID: -0.129
 Y CENTROID: -0.122
 POA TO CENTROID: 0.178
 HORZ SPREAD: 2.686
 VERT SPREAD: 1.813
 GROUP SPREAD: 2.972
 MIN RADIUS: 0.256
 MAX RADIUS: 1.544
 MEAN RADIUS: 0.876
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.099	-0.887
2:	0.476	-0.577
3:	0.598	0.066
4:	0.623	0.926
5:	-0.092	-0.638
6:	-0.536	-0.275
7:	-0.367	-0.027
8:	-0.893	-0.711
9:	-0.613	0.514
10:	-1.587	0.386

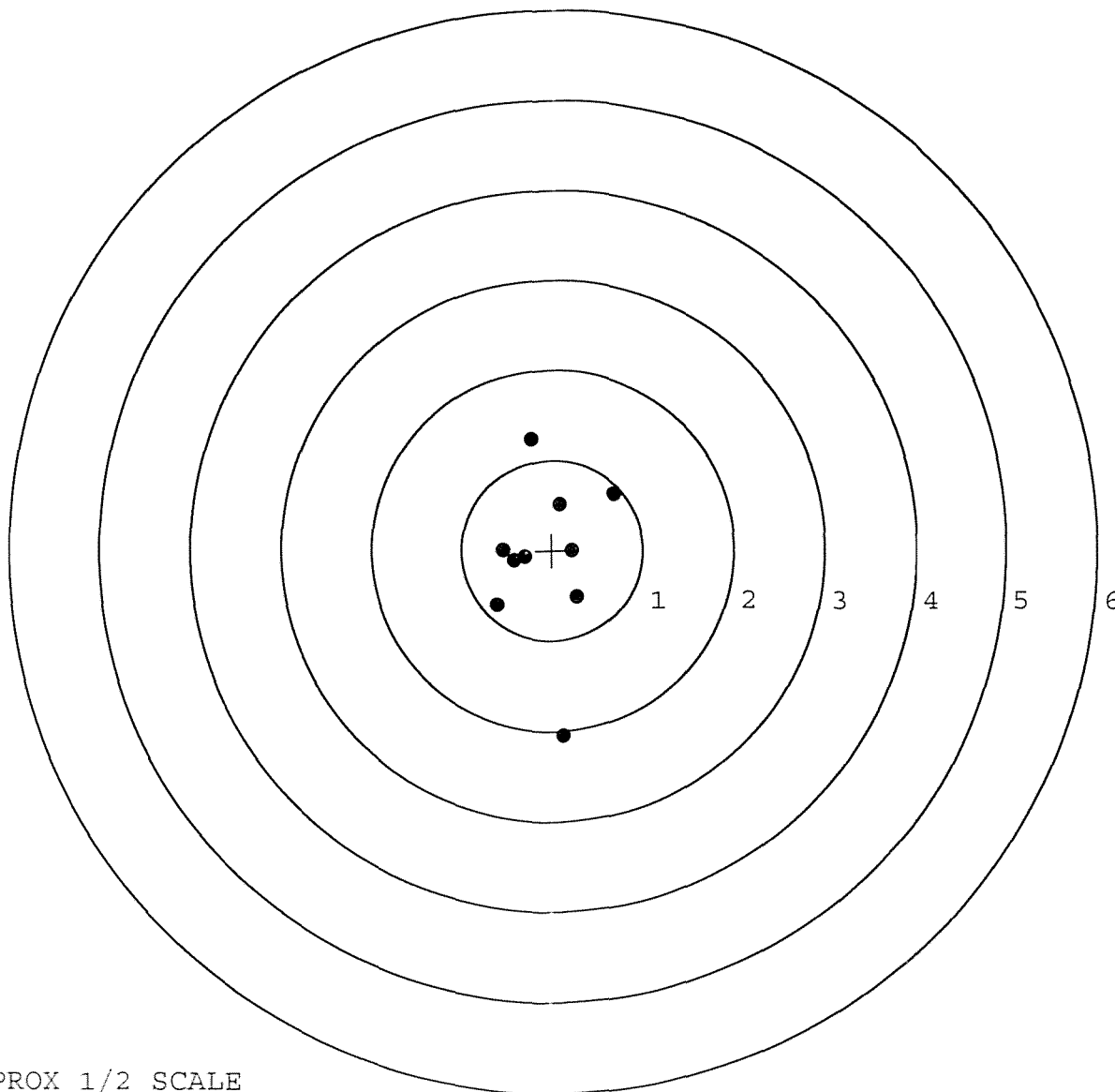


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349174. __0
 TARGET NUMBER: 2
 FILE DATE: 12/28/2005
 FILE TIME: 15:47

X CENTROID: -0.072
 Y CENTROID: -0.102
 POA TO CENTROID: 0.125
 HORZ SPREAD: 1.281
 VERT SPREAD: 3.288
 GROUP SPREAD: 3.310
 MIN RADIUS: 0.235
 MAX RADIUS: 1.967
 MEAN RADIUS: 0.764
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.139	-2.058
2:	-0.607	-0.607
3:	-0.306	-0.074
4:	-0.542	0.001
5:	0.279	-0.520
6:	0.221	-0.013
7:	0.674	0.626
8:	0.085	0.510
9:	-0.244	1.230
10:	-0.421	-0.114

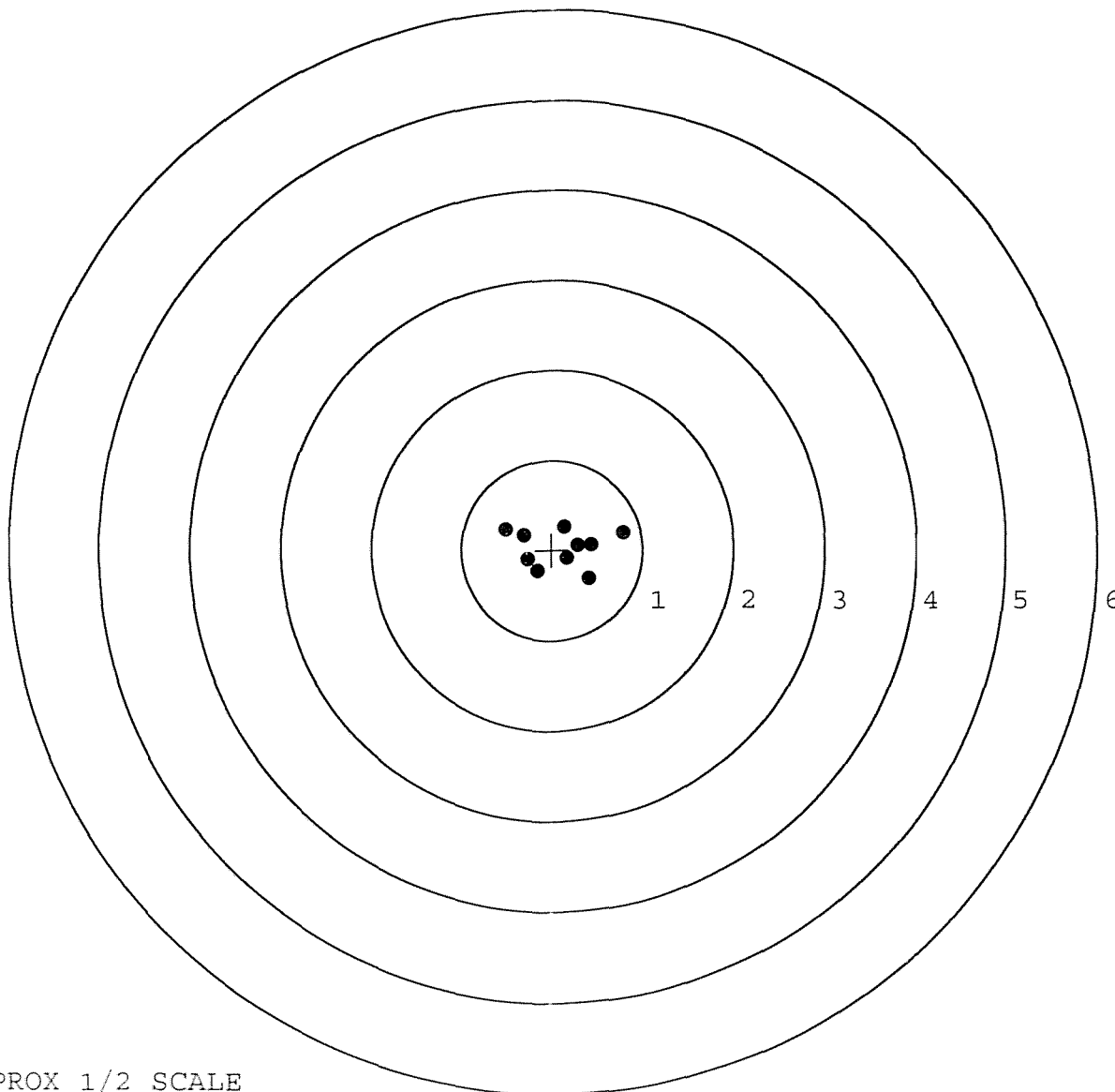


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349174. __0
 TARGET NUMBER: 3
 FILE DATE: 12/28/2005
 FILE TIME: 15:47

X CENTROID: 0.096
 Y CENTROID: 0.019
 POA TO CENTROID: 0.098
 HORZ SPREAD: 1.306
 VERT SPREAD: 0.579
 GROUP SPREAD: 1.306
 MIN RADIUS: 0.136
 MAX RADIUS: 0.715
 MEAN RADIUS: 0.392
 # IN 1 IN DIAMETER: 8
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.789	0.195
2:	-0.517	0.227
3:	-0.310	0.164
4:	-0.272	-0.101
5:	-0.165	-0.237
6:	0.139	0.255
7:	0.436	0.054
8:	0.167	-0.098
9:	0.409	-0.324
10:	0.287	0.051

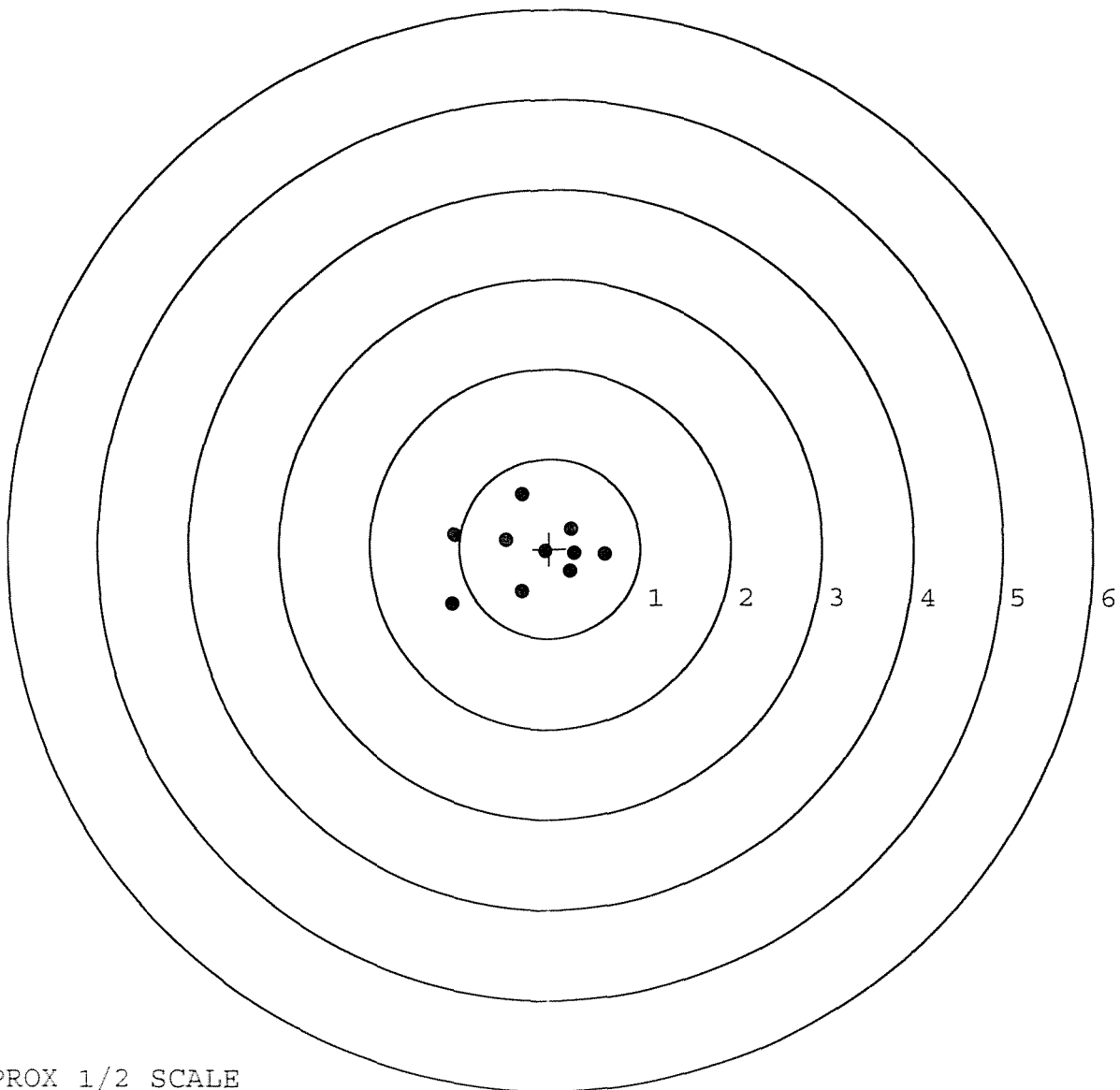


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349174. 0
 TARGET NUMBER: 4
 FILE DATE: 12/28/2005
 FILE TIME: 15:47

X CENTROID: -0.193
 Y CENTROID: -0.045
 POA TO CENTROID: 0.198
 HORZ SPREAD: 1.684
 VERT SPREAD: 1.233
 GROUP SPREAD: 1.773
 MIN RADIUS: 0.144
 MAX RADIUS: 1.058
 MEAN RADIUS: 0.578
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.307	-0.482
2:	-1.077	-0.627
3:	-1.059	0.153
4:	-0.312	0.606
5:	-0.486	0.096
6:	0.607	-0.072
7:	0.229	-0.254
8:	-0.049	-0.033
9:	0.245	0.219
10:	0.279	-0.055

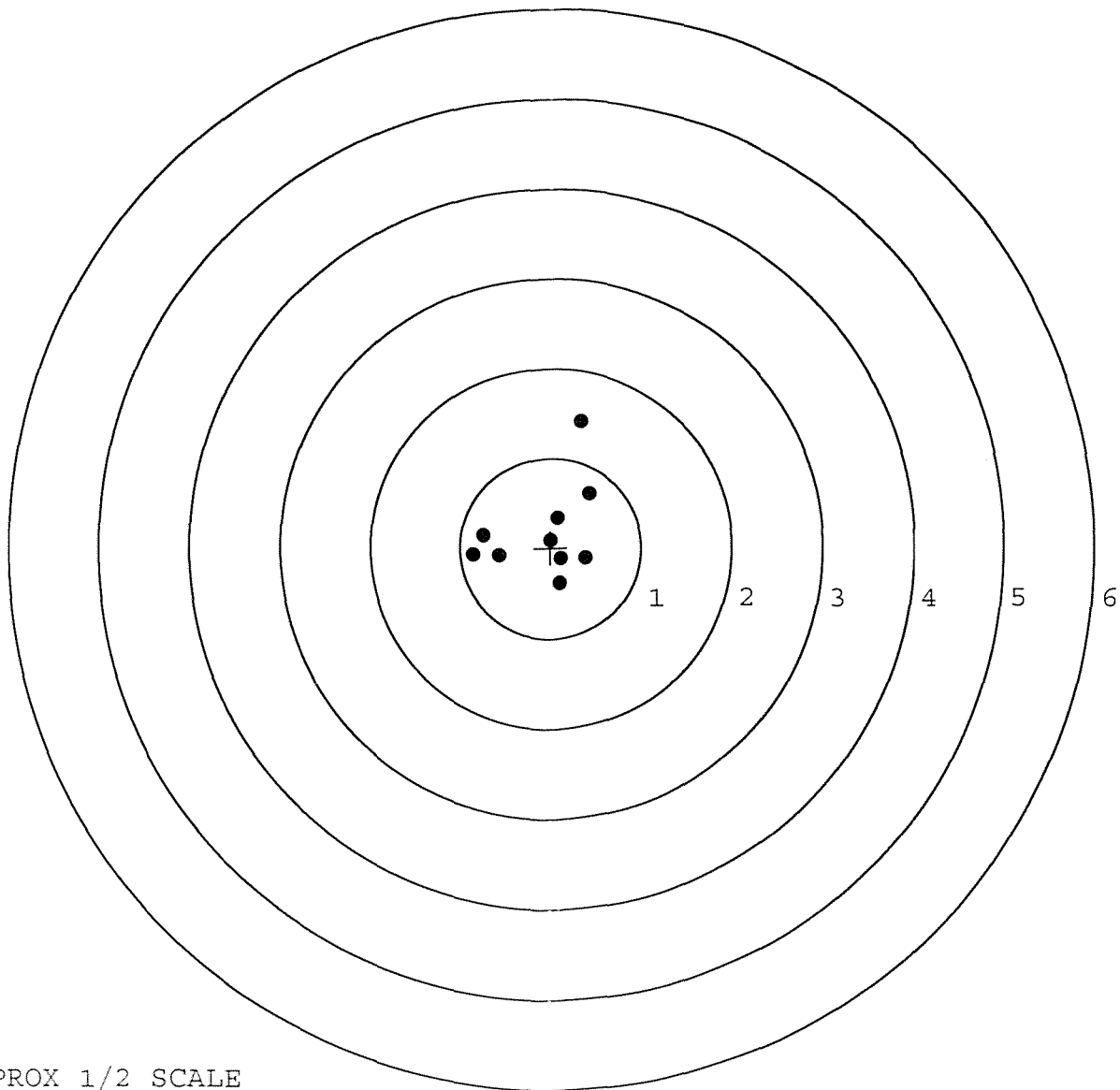


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349174. __ 0
 TARGET NUMBER: 5
 FILE DATE: 12/28/2005
 FILE TIME: 15:47

X CENTROID: -0.072
 Y CENTROID: 0.173
 POA TO CENTROID: 0.188
 HORZ SPREAD: 1.288
 VERT SPREAD: 1.795
 GROUP SPREAD: 1.904
 MIN RADIUS: 0.114
 MAX RADIUS: 1.294
 MEAN RADIUS: 0.583
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.338	1.401
2:	0.433	0.597
3:	-0.743	0.139
4:	-0.855	-0.083
5:	-0.568	-0.091
6:	0.387	-0.125
7:	0.100	-0.394
8:	0.074	0.330
9:	0.000	0.085
10:	0.115	-0.126



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102227		
SERIAL NUMBER	C6349174		
LOG-IN DATE	10-12-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-17-05	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	N/A	TRW
575	ASSEMBLE	12-12-05	CD
600	PROOF	12-12-05	CD
605	CHECK HEADSPACE	12-12-05	CD
610	DIS-ASSEMBLE GUN	12-12-05	CD
612	MAGNAFLUX <i>unus</i>	12/15/05	<i>unus</i>
615	ROLLMARK CALIBER	12-15-05	CW
618	ROTO-BLAST	12-16-05	LB
620	APPLY COATINGS	12/20/05	RB
625 A	FINAL ASSEMBLY	12-28-05	RTL
B	TRIGGER PULL TEST	12-28-05	AC
C	SAFETY "ON" FORCE	12-28-05	AC
D	SAFETY "OFF" FORCE	12-28-05	AC
E	FIRING PIN INDENT	12-28-05	AC
640	TARGET	12-28-05	TRW
655	FINAL INSPECT	12-28-05	AC
660	PACK	12-29-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

GUN SERIAL #

C6349174

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	10/31/89		KER
	Magnaflux Bolt	10/31/89		KER
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-13-89	AC
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-13-89	K
	C) Inspect Ejector Hole for Chamfer		11-13-89	K
	D) Oil Firing Pin Ass'y		11-13-89	K
	E) Adjust Trigger Pull to Min Setting and Stake		11/16/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			16 Nov 89	JDS
	G) Safety Off Force	3	3	3			16 Nov 89	JDS
	H) Trigger Pull Test & Retainability						16 Nov 89	JDS
	I) Firing Pin Indent	.021	.021	.021			16 Nov 89	JDS
	J) Assemble Stock						11-29-89	AC
	K) Assemble Swivel Studs						6 Dec 89	JDS
	L) Attach Front and Rear Sight Assemblies						11-29-89	AC
	M) Iron Sight Alignment						11-29-89	AC
	N) Detach Front & Rear Sights & place in numbered container						11-29-89	AC
	O) Attach Scope to Rifle						29 Nov 89	JDS
	P) Detach & Attach Scope 20 Times						29 Nov 89	JDS
640	Gallery Target & Test						12-5-89	DH
	A) Time						12-5-89	DH
	B) Malfunctions						12-5-89	DH
	C) Pierced Primers						12-5-89	DH
	D) Optical Clarity of Scope						12-5-89	DH
645	Inspect for Live Ammo						12-5-89	DH
655	Final Inspection							
	A) Headspace						6 Dec 89	JDS
	B) Trigger Pull	237	230	221	227	230	6 Dec 89	JDS
	C) Function						6 Dec 89	JDS
660	Pack						15 Dec 89	JDS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349174

DATE 13/Mar/90

TESTER RS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	218	228		231	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	209	232		235	
PULL #3	212	225		238	
PULL #4	207	228		242	
PULL #5	207	228		236	
TOTAL	1053	1141			
AVG.	2.106	2.282			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	332	332		
PULL #2	332	332		
PULL #3	334	332		
PULL #4	333	334		
PULL #5	335	337		
TOTAL	1666	1667		
AVG.	3.332	3.334		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.13		
PULL #2	4.19	4.13		
PULL #3	4.24	4.07		
PULL #4	4.31	4.17		
PULL #5	4.28	4.23		
TOTAL	21.25	20.73		
AVG.	4.25	4.146		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349174
5 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.434412
1 TO	2	.334582
1 TO	3	.295466
1 TO	4	.551163
1 TO	5	.222948

#₃₃⁵ <----POA

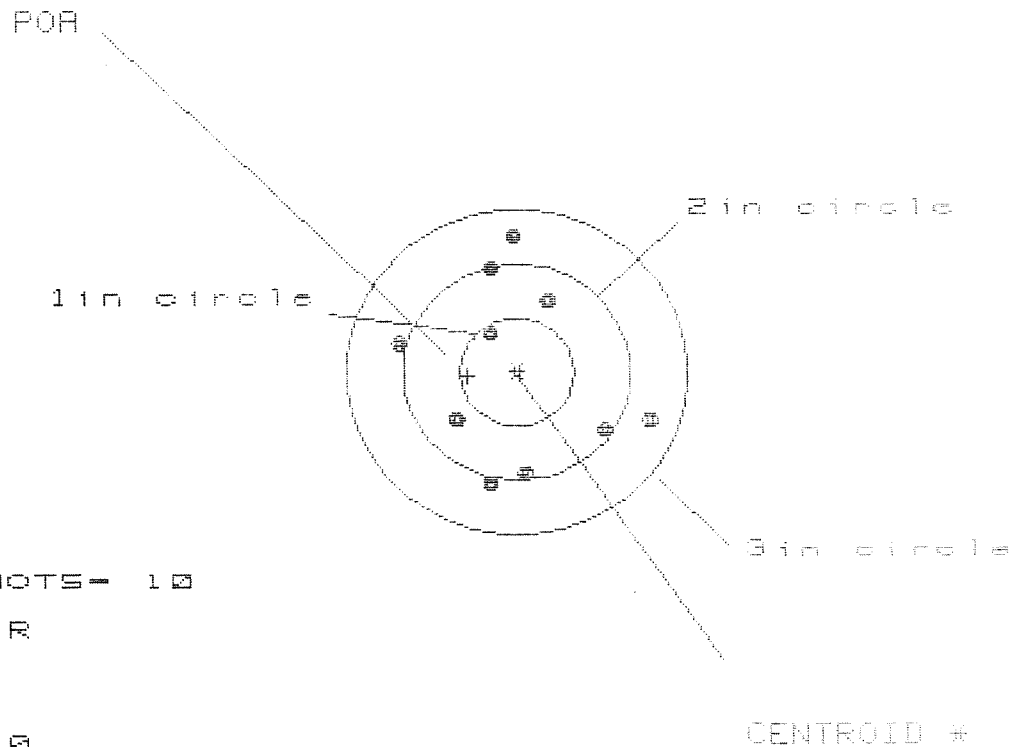
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3168
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0746
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .325466
THE AMR FOR THIS RIFLE IS: .9198

5 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349174

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.145

VS= 2.322

GS= 2.327

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	1.154	.878
MINIMUM X	-.984	-.991	-.847
MAXIMUM Y	1.251	1.107	1.074
MINIMUM Y	-1.071	-.932	-.965
CENTROID X	.433	.440	.295
CENTROID Y	.035	-.104	-.071
POA TO CENTROID in.	.435	.452	.304
MIN RADIUS	.406	.527	.443
MEAN RADIUS	.929	.890	.836
MAX RADIUS	1.253	1.185	1.076
HORIZONTAL SPREAD	2.145	2.145	1.725
VERTICAL SPREAD	2.322	2.039	2.039
EXTREME SPREAD	2.327	2.238	2.039
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

5 Dec 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C88349174

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.322

VS = 1.817

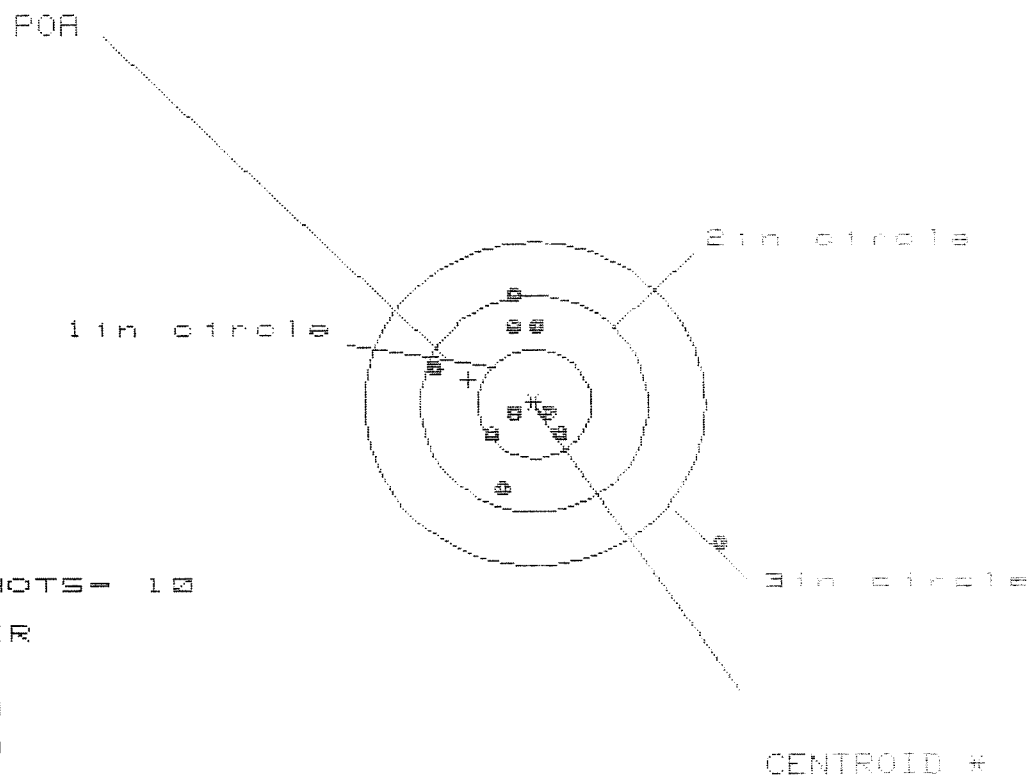
GS = 2.352

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.110	1.192	1.071
MINIMUM X	:	-1.212	-1.130	-1.251
MAXIMUM Y	:	1.187	.757	.870
MINIMUM Y	:	-.631	-.499	-.404
CENTROID X	:	.277	.195	.316
CENTROID Y	:	-.261	-.392	-.487
POA TO CENTROID in.	:	.380	.438	.581
MIN RADIUS	:	.345	.232	.362
MEAN RADIUS	:	.952	.878	.823
MAX RADIUS	:	1.397	1.229	1.305
HORIZONTAL SPREAD	:	2.322	2.322	2.322
VERTICAL SPREAD	:	1.817	1.256	.774
EXTREME SPREAD	:	2.352	2.352	2.352
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349174

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.498

VS= 2.303

GS= 2.949

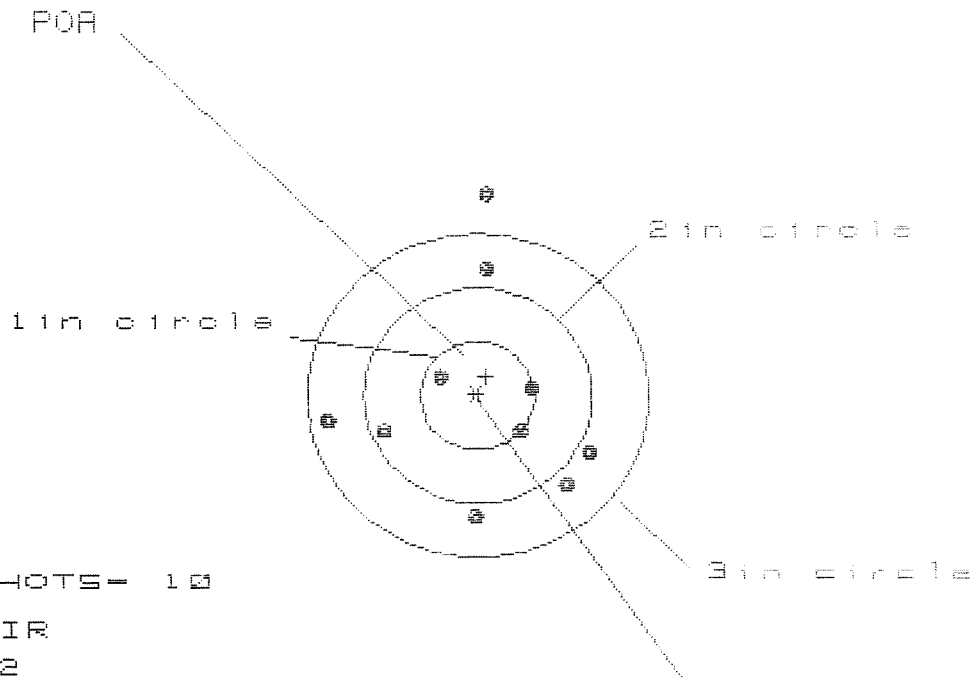
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.618	.438	.445
MINIMUM X	:	-.880	-.701	-.694
MAXIMUM Y	:	1.032	.891	.700
MINIMUM Y	:	-1.271	-.924	-.813
CENTROID X	:	.577	.398	.391
CENTROID Y	:	-.223	-.082	-.193
POA TO CENTROID in.	:	.619	.406	.436
MIN RADIUS	:	.149	.210	.105
MEAN RADIUS	:	.748	.599	.538
MAX RADIUS	:	2.057	.928	.817
HORIZONTAL SPREAD	:	2.498	1.139	1.139
VERTICAL SPREAD	:	2.303	1.815	1.513
EXTREME SPREAD	:	2.949	1.820	1.523
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349174

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.293

VS= 3.005

GS= 3.009

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.947	.956	.789
MINIMUM X	:	-1.347	-1.337	-1.013
MAXIMUM Y	:	1.859	1.356	1.354
MINIMUM Y	:	-1.146	-.939	-.941
CENTROID X	:	-.077	-.087	.080
CENTROID Y	:	-.174	-.381	-.379
POA TO CENTROID in.	:	.190	.390	.387
MIN RADIUS	:	.403	.395	.253
MEAN RADIUS	:	.993	.878	.790
MAX RADIUS	:	1.861	1.357	1.358
HORIZONTAL SPREAD	:	2.293	2.293	1.802
VERTICAL SPREAD	:	3.005	2.295	2.295
EXTREME SPREAD	:	3.009	2.310	2.299
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05349174

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.957

VS= 2.513

GS= 3.184

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.584	.815	.666
MINIMUM X	:	-1.373	-1.197	-.884
MAXIMUM Y	:	1.382	1.244	1.319
MINIMUM Y	:	-1.211	-1.269	-1.194
CENTROID X	:	.374	.198	.347
CENTROID Y	:	.250	.308	.233
POA TO CENTROID in.	:	.450	.366	.418
MIN RADIUS	:	.191	.014	.171
MEAN RADIUS	:	.977	.873	.820
MAX RADIUS	:	1.668	1.339	1.328
HORIZONTAL SPREAD	:	2.957	2.012	1.470
VERTICAL SPREAD	:	2.513	2.513	2.513
EXTREME SPREAD	:	3.184	2.521	2.521
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

Remington
MODEL 700™ H24

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

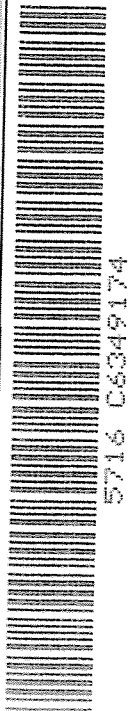
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6349174

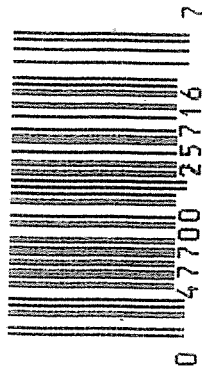
ORDER NO.
5716

01



5716 C6349174

UPC



0 47700 25716 7