

C6225299

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Sweat[®]

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: **RE00049193** Serial: C6225299 Model: 700 Center Fire Caliber: 7.62 NATO M24-SWS Repairman: Status: Closed 7/12/02 10:33:54 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **JOINT TRANSPORT DIV** **JOINT TRANSPORT DIV**

Address 1: **ATTN ATZH JTM M** **ATTN ATZH JTM M**

Address 2: **BOX 339500 MS 53** **BOX 339500 MS 53** PO Box: PO Box:

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** 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
X001	Fr. & Rear Bases	2

Repair Search Refresh Close

inadeb 7/12/02 11:14 AM CAPS NUM INS SCFL

Start In C... A S S V P S R... 4... 11:14 AM

Serial Number: **C6225299**

Model: **700**



RE00049193

Final Inspection

In: 06225299

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

EDITOR

Item:

BARREL Assy.

- ☐ BARREL
- ☐ RECEIVER
- ☐ FRONT SIGHT BLOCK
- ☐ REAR SIGHT BLOCK
- ☐ SCREWS
- ☐ FINISH

Scope Assy.

- ☐ SCOPE
- ☐ SCOPE RINGS
- ☐ MOUNTING SCREWS
- ☐ MOUNTING BASE
- ☐ SCREWS
- ☐ FINISH
- ☐ LOOSENESS
- ☐ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

STOCK Assy.

- ☐ STOCK
- ☐ SLING SWIVEL STUDS
- ☐ ADJUSTABLE BUTT PLATE
- ☐ LOCK NUTS
- ☐ BARREL CLEARANCE
- ☐ COLOR/FINISH

Systems Case

- ☐ SCOPE CASE
- ☐ IRON SIGHTS
- ☐ DEPLOYMENT KIT

Trigger

- ☐ SAFETY OPERATION
- ☐ SET

Comments:

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225299.__0
FILE DATE AND TIME: 08/02/2002 10:54

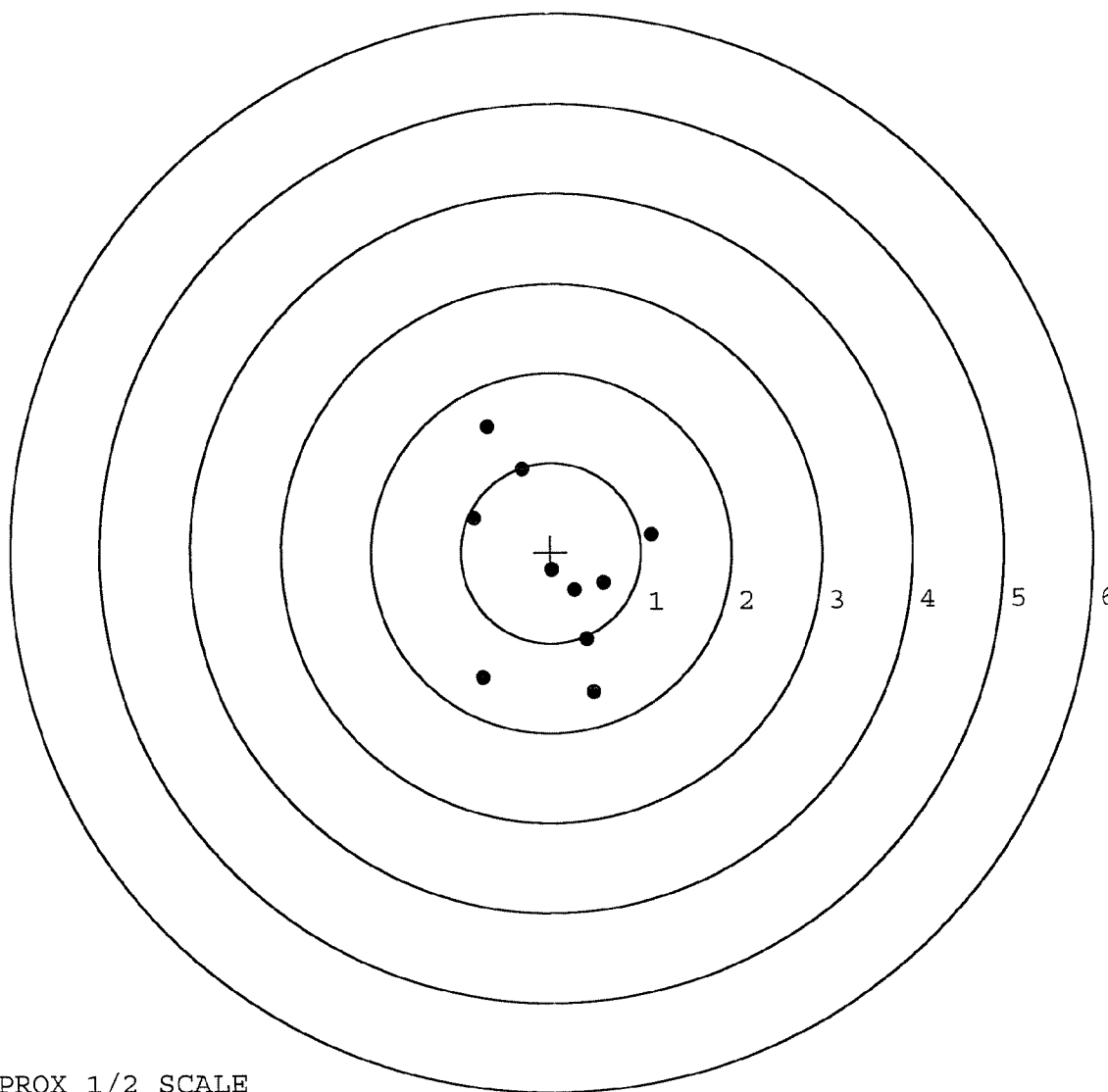
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.059
The Average Y Centroid of the Five Target Set:	-0.191
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	0.720
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.121
The Distance from Centroid Target #3 to Centroid Target #1:	0.064
The Distance from Centroid Target #4 to Centroid Target #1:	0.282
The Distance from Centroid Target #5 to Centroid Target #1:	0.118

SERIAL NUMBER: C6225299. __0
 TARGET NUMBER: 1
 FILE DATE: 08/02/2002
 FILE TIME: 10:54

POINT#	X	Y
1:	1.118	0.188
2:	0.471	-1.551
3:	-0.762	-1.385
4:	0.395	-0.965
5:	0.580	-0.340
6:	0.264	-0.421
7:	0.009	-0.197
8:	-0.848	0.382
9:	-0.320	0.927
10:	-0.695	1.404

X CENTROID: 0.021
 Y CENTROID: -0.196
 POA TO CENTROID: 0.197
 HORZ SPREAD: 1.966
 VERT SPREAD: 2.955
 GROUP SPREAD: 3.177
 MIN RADIUS: 0.012
 MAX RADIUS: 1.753
 MEAN RADIUS: 0.976
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 9

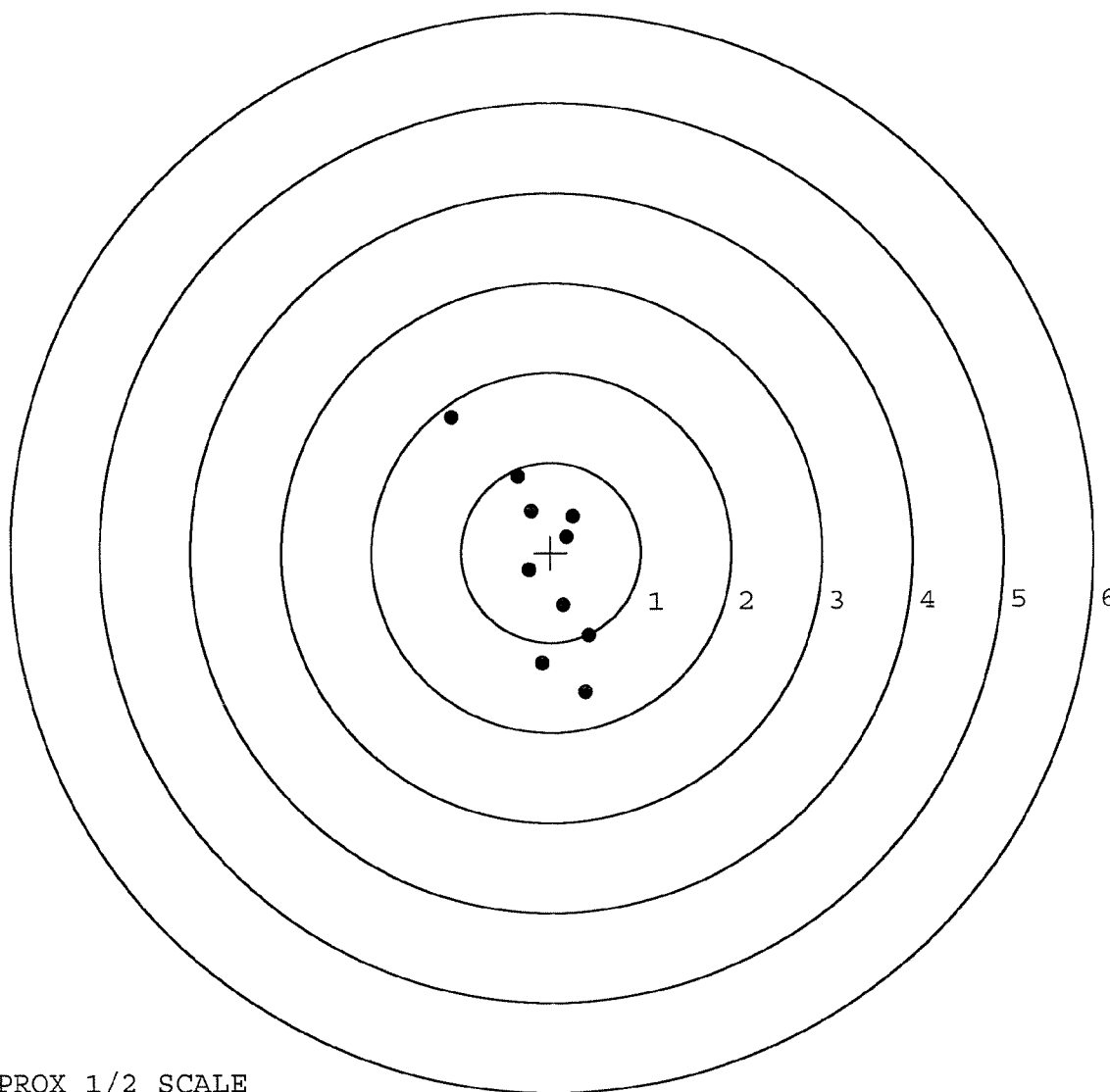


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225299. __0
 TARGET NUMBER: 2
 FILE DATE: 08/02/2002
 FILE TIME: 10:54

POINT#	X	Y
1:	0.380	-1.554
2:	-0.104	-1.235
3:	0.425	-0.929
4:	0.134	-0.591
5:	-0.246	-0.198
6:	0.179	0.178
7:	0.247	0.404
8:	-0.361	0.840
9:	-1.101	1.504
10:	-0.214	0.463

X CENTROID: -0.066
 Y CENTROID: -0.112
 POA TO CENTROID: 0.130
 HORZ SPREAD: 1.526
 VERT SPREAD: 3.058
 GROUP SPREAD: 3.398
 MIN RADIUS: 0.199
 MAX RADIUS: 1.919
 MEAN RADIUS: 0.880
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

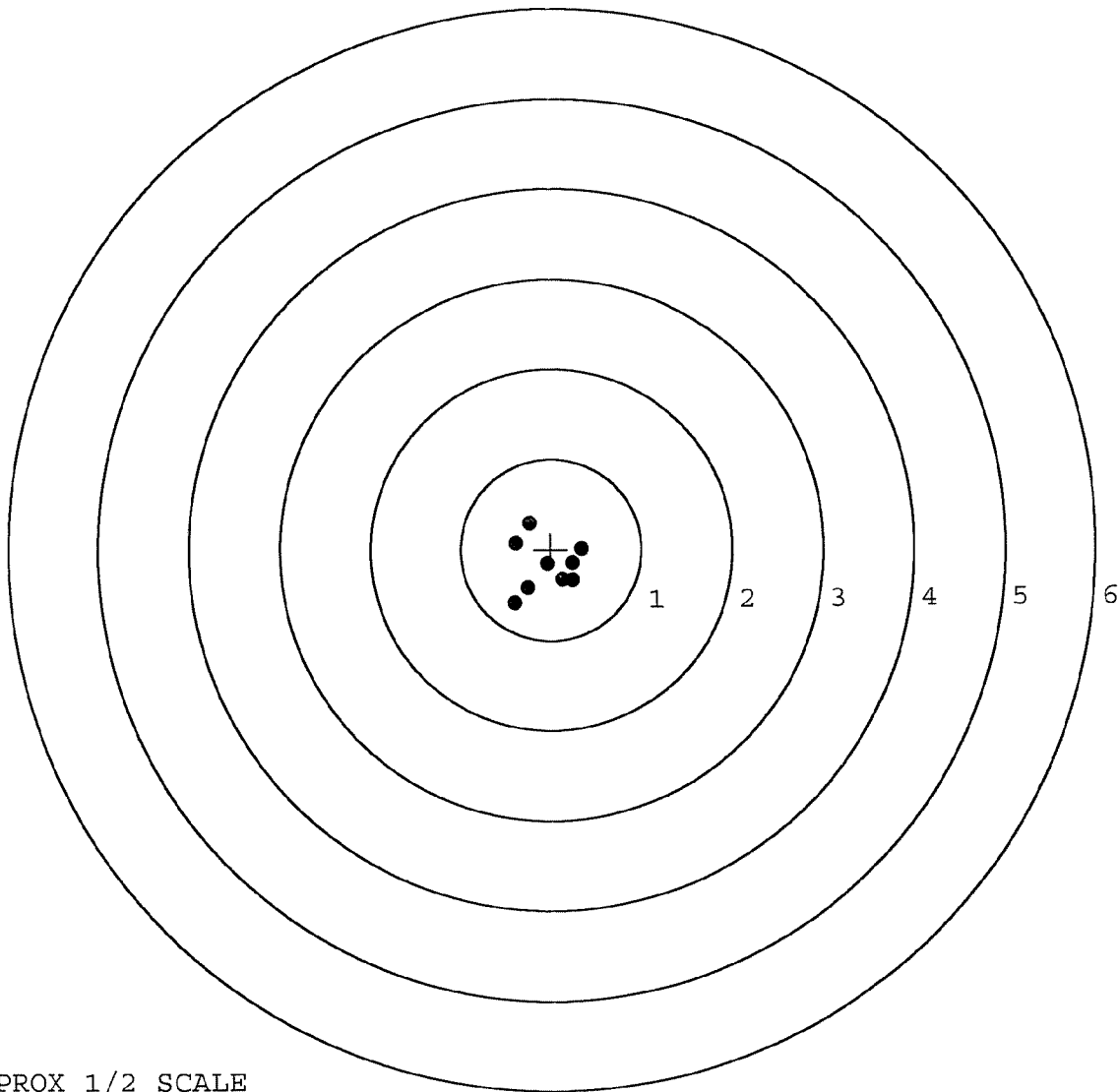


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225299. __0
 TARGET NUMBER: 3
 FILE DATE: 08/02/2002
 FILE TIME: 10:54

POINT#	X	Y
1:	-0.402	-0.587
2:	-0.256	-0.425
3:	-0.392	0.073
4:	-0.240	0.290
5:	-0.041	-0.158
6:	0.240	-0.335
7:	0.343	0.011
8:	0.245	-0.152
9:	0.133	-0.330

X CENTROID: -0.041
 Y CENTROID: -0.179
 POA TO CENTROID: 0.184
 HORZ SPREAD: 0.745
 VERT SPREAD: 0.877
 GROUP SPREAD: 0.955
 MIN RADIUS: 0.021
 MAX RADIUS: 0.545
 MEAN RADIUS: 0.345
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225299. 0

TARGET NUMBER: 4

FILE DATE: 08/02/2002

FILE TIME: 10:54

X CENTROID: -0.188

Y CENTROID: -0.385

POA TO CENTROID: 0.428

HORZ SPREAD: 1.537

VERT SPREAD: 2.825

GROUP SPREAD: 2.847

MIN RADIUS: 0.190

MAX RADIUS: 1.680

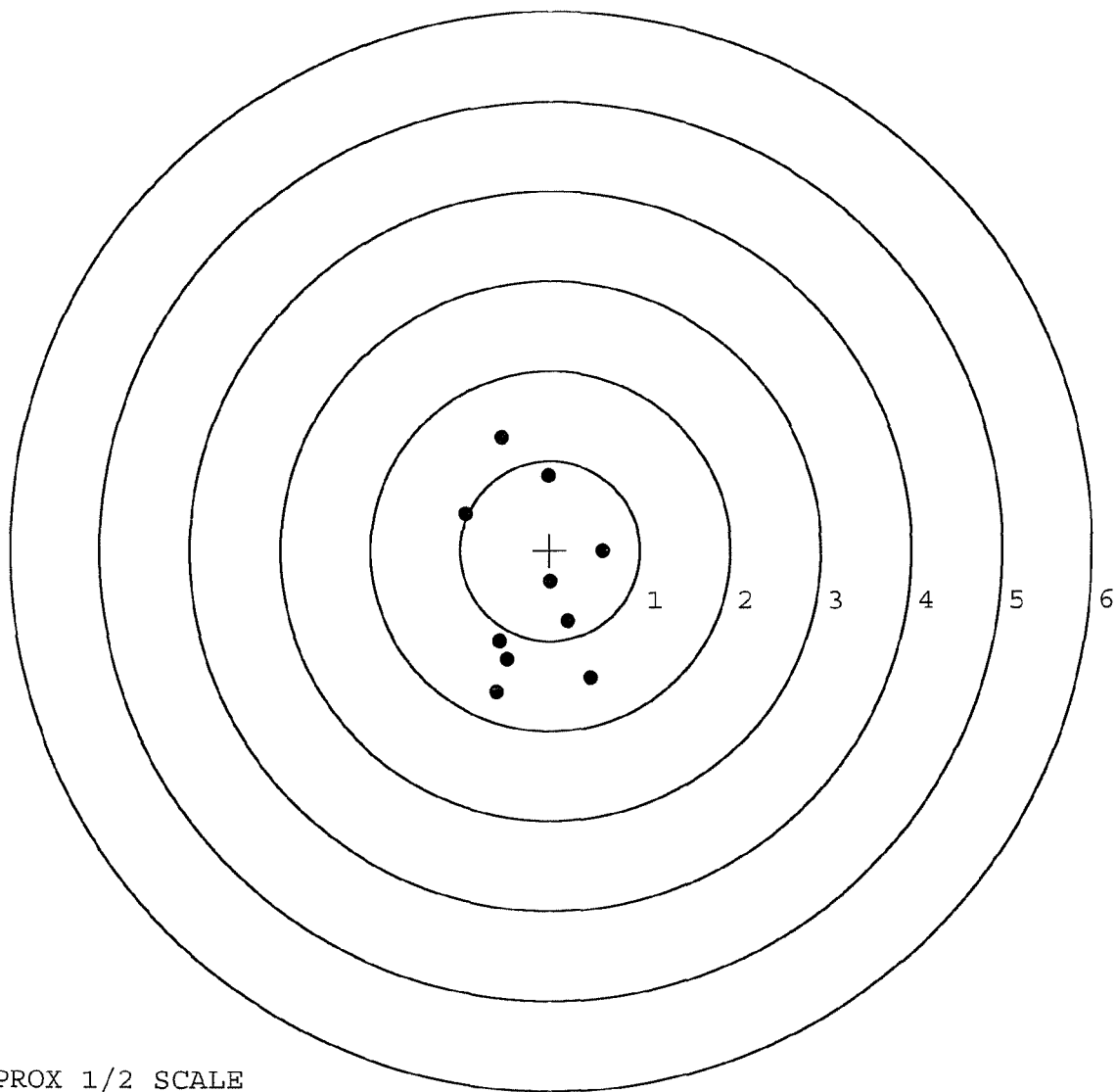
MEAN RADIUS: 0.968

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.459	-1.408
2:	-0.599	-1.567
3:	-0.478	-1.213
4:	-0.556	-1.008
5:	0.206	-0.788
6:	-0.002	-0.347
7:	0.592	-0.007
8:	-0.022	0.827
9:	-0.945	0.405
10:	-0.539	1.258



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225299. __0

TARGET NUMBER: 5

FILE DATE: 08/02/2002

FILE TIME: 10:54

POINT#	X	Y
1:	-0.026	0.804
2:	-0.612	-0.570
3:	0.806	-0.023
4:	0.066	0.210
5:	-0.048	-0.018
6:	0.267	-0.039
7:	-0.024	-0.338
8:	-0.196	-0.504
9:	-0.357	-0.198
10:	-0.072	-0.175

X CENTROID: -0.020

Y CENTROID: -0.085

POA TO CENTROID: 0.087

HORZ SPREAD: 1.418

VERT SPREAD: 1.374

GROUP SPREAD: 1.494

MIN RADIUS: 0.073

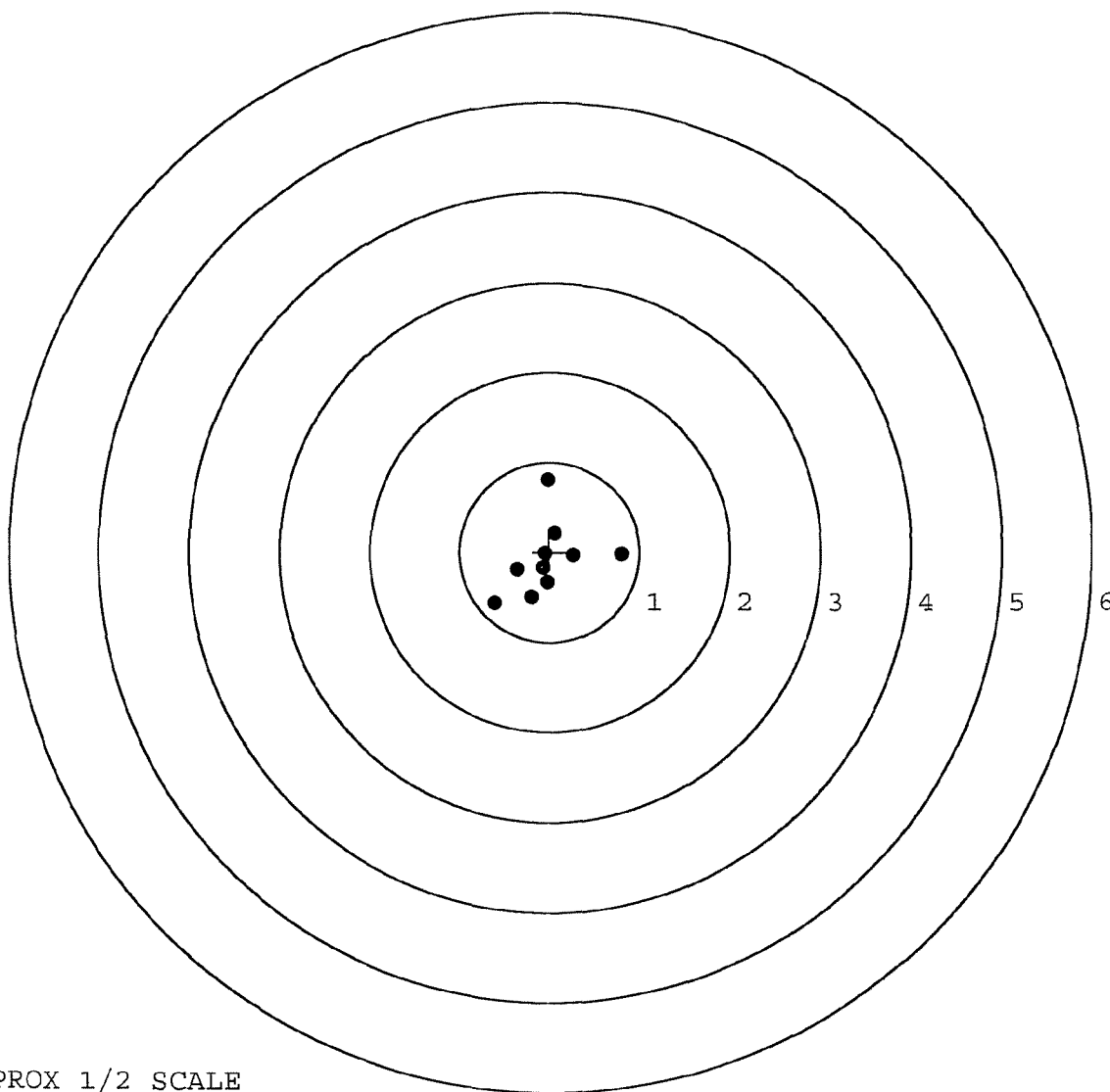
MAX RADIUS: 0.889

MEAN RADIUS: 0.432

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49193		
SERIAL NUMBER	C622 5299		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/16/02	RGH
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX INSPECTED	
615	ROLLMARK CALIBER	7/23/02	TRW
618	ROTO-BLAST	7/25/02	RGH
620	APPLY COATINGS OPERATOR	7-26	JA
625 A	FINAL ASSEMBLY	7/31/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-1-02	TRW
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	RGH
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225299

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	Rw
600	Proof	4 21	89	Rw
607	Check Headspace	4 21	89	Rw
610	Dis-assemble Gun	4 21	89	Rw
612	Magnaflux Barrel Action		4/16	KER
	Magnaflux Bolt		4/27	KER
615	Rollmark Caliber		4/27	SL
617	Drill and Tap Sight Holes	4 27	89	YB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/2/89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/10/89	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/89	Rw
	C) Inspect Ejector Hole for Chamfer		5/10/89	Rw
	D) Oil Firing Pin Ass'y		5/10/89	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/12/89	WOB

op. #	BARBER - M24 0012328 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/12/89	991
	G) Safety Off Force	3	3	3			5/12/89	991
	H) Trigger Pull Test & Retainability						5/12/89	WIB
	I) Firing Pin Indent	.021	.020	.020			5/12/89	991
	J) Assemble Stock						5/15/89	RW
	K) Assemble Swivel Studs						17 May 89	LS
	L) Attach Front and Rear Sight Assemblies						5/15/89	RW
	M) Iron Sight Alignment						5/15/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/15/89	RW
	O) Attach Scope to Rifle						5/15/89	991
	P) Detach & Attach Scope 20 Times						5/15/89	991
640	Gallery Target & Test	41 R	111L				5-16-89	A
	A) Time						5-16-89	A
	B) Malfunctions						5-16-89	A
	C) Pierced Primers						5-16-89	A
	D) Optical Clarity of Scope						5-16-89	A
645	Inspect for Live Ammo						5-16-89	A
655	Final Inspection A) Headspace						17 May 89	LS
	B) Trigger Pull	2.73	2.70	2.74	2.77	2.87	17 May 89	LS
	C) Function						17 May 89	LS
660	Pack						26 June 89	LS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6725299

DATE 5/12/89

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.44	2.46	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.37	2.56	2.70	
PULL #3	2.32	2.40	2.64	2.74	
PULL #4	2.37	2.43	2.68	2.77	
PULL #5	2.44	2.35	2.61	2.87	
TOTAL	11.93	11.99	12.95	13.81	
AVG.	2.38	2.40	2.59	2.762	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.53		
PULL #2	3.49	3.49		
PULL #3	3.42	3.53		
PULL #4	3.40	3.47		
PULL #5	3.27	3.47		
TOTAL	17.01	17.49		
AVG.	3.40	3.50		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.08		4.26
PULL #2	4.09	4.20		4.29
PULL #3	4.10	4.34		4.30
PULL #4	4.18	4.25		4.18
PULL #5	4.08	4.18		4.29
TOTAL	20.57	21.05		21.32
AVG.	4.11	4.21		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225299
17 May 1989

CENTROIDAL DISTANCES

0 TO	1	.455808
1 TO	2	.531237
1 TO	3	.616847
1 TO	4	.373015
1 TO	5	.205273

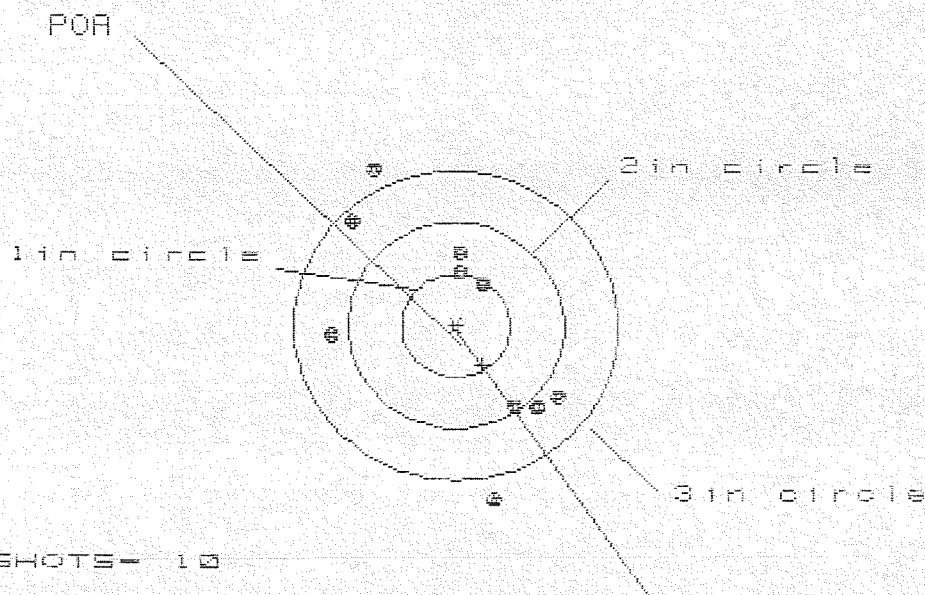
$\frac{51}{2} \frac{4}{3} \times \text{----POB}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.138
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1642
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .214489
THE AMR FOR THIS RIFLE IS: .9738

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225289

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS = 2.147

VS = 3.172

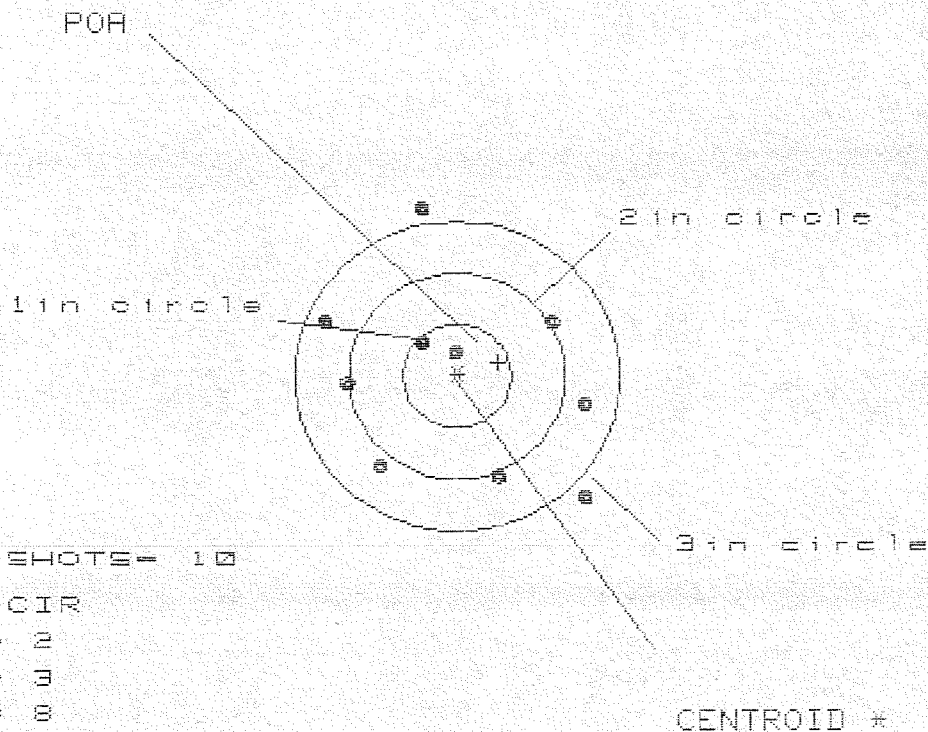
CS = 3.368

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	9
MAXIMUM X	.947	.987	.896
MINIMUM X	-1.200	-1.160	-1.251
MAXIMUM Y	1.495	1.309	1.617
MINIMUM Y	-1.677	-1.015	-.851
CENTROID X	-.244	-.284	-.193
CENTROID Y	.385	.571	.487
POA TO CENTROID in.	.456	.638	.451
MIN RADIUS	.444	.337	.398
MEAN RADIUS	1.104	1.001	.946
MAX RADIUS	1.715	1.500	1.463
HORIZONTAL SPREAD	2.147	2.147	2.147
VERTICAL SPREAD	3.172	2.324	1.868
EXTREME SPREAD	3.368	2.805	2.625
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225293

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS = 2.316

VS = 2.841

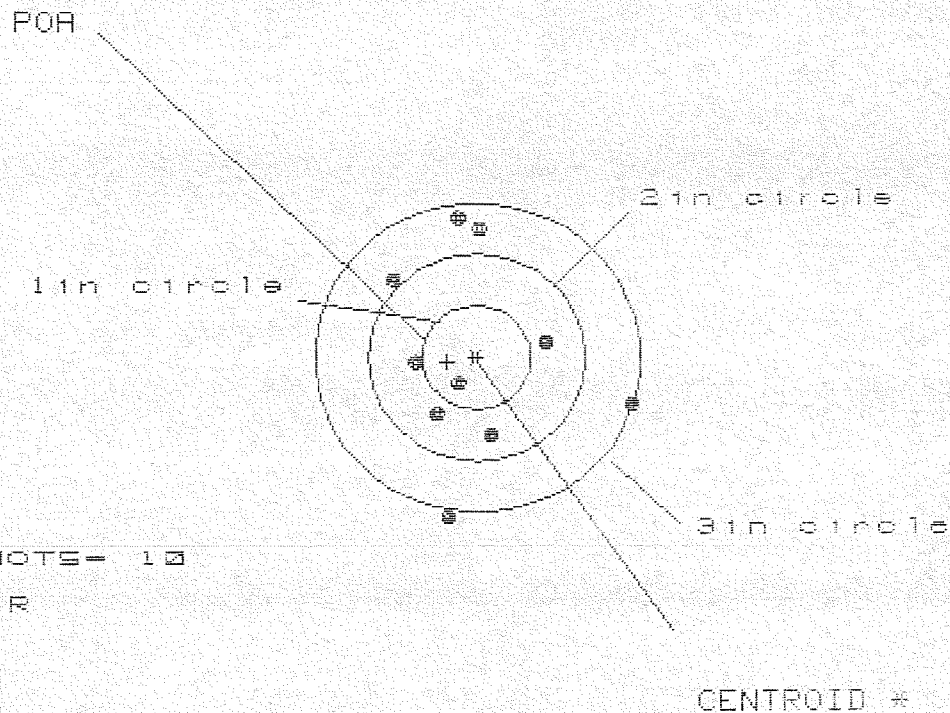
GS = 3.178

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.148	1.117	1.243
MINIMUM X	:	-1.168	-1.199	-1.059
MAXIMUM Y	:	1.650	.734	.608
MINIMUM Y	:	-1.191	-1.008	-.924
CENTROID X	:	-.382	-.351	-.491
CENTROID Y	:	-.128	-.311	-.185
POA TO CENTROID in.	:	.403	.469	.525
MIN RADIUS	:	.257	.443	.314
MEAN RADIUS	:	1.064	1.007	.910
MAX RADIUS	:	1.673	1.505	1.264
HORIZONTAL SPREAD	:	2.316	2.316	2.302
VERTICAL SPREAD	:	2.841	1.742	1.532
EXTREME SPREAD	:	3.178	2.892	2.446
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225293

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.214

VS= 2.876

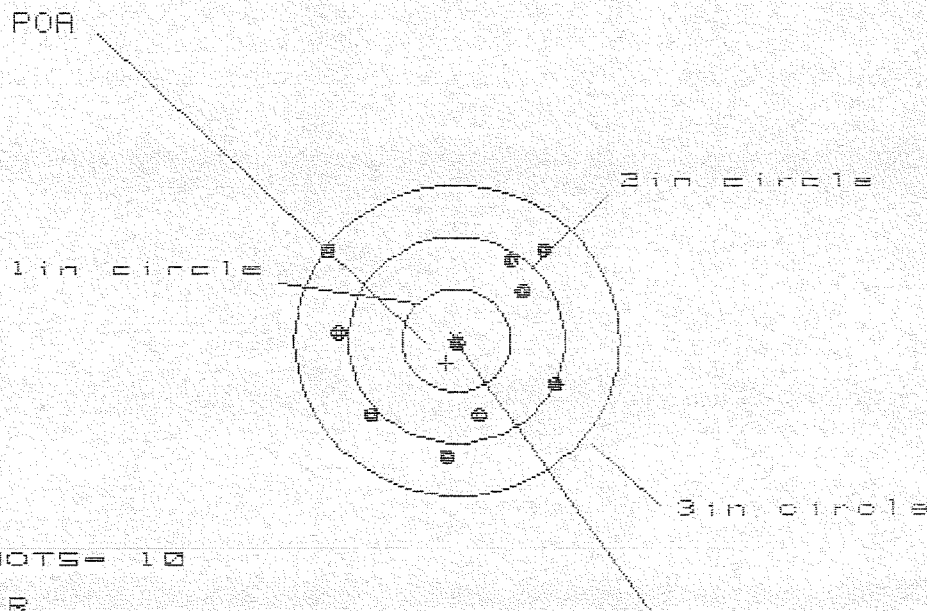
GS= 2.877

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.415	1.388	.771
MINIMUM X	-.799	-.826	-.652
MAXIMUM Y	1.345	1.175	1.103
MINIMUM Y	-1.531	-.896	-.968
CENTROID X	.272	.299	.125
CENTROID Y	.047	.217	.299
POA TO CENTROID in.	.276	.369	.315
MIN RADIUS	.293	.460	.475
MEAN RADIUS	.962	.910	.822
MAX RADIUS	1.551	1.502	1.103
HORIZONTAL SPREAD	2.214	2.214	1.423
VERTICAL SPREAD	2.876	2.071	2.071
EXTREME SPREAD	2.877	2.511	2.094
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225289

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.123

VS = 2.084

GS = 2.530

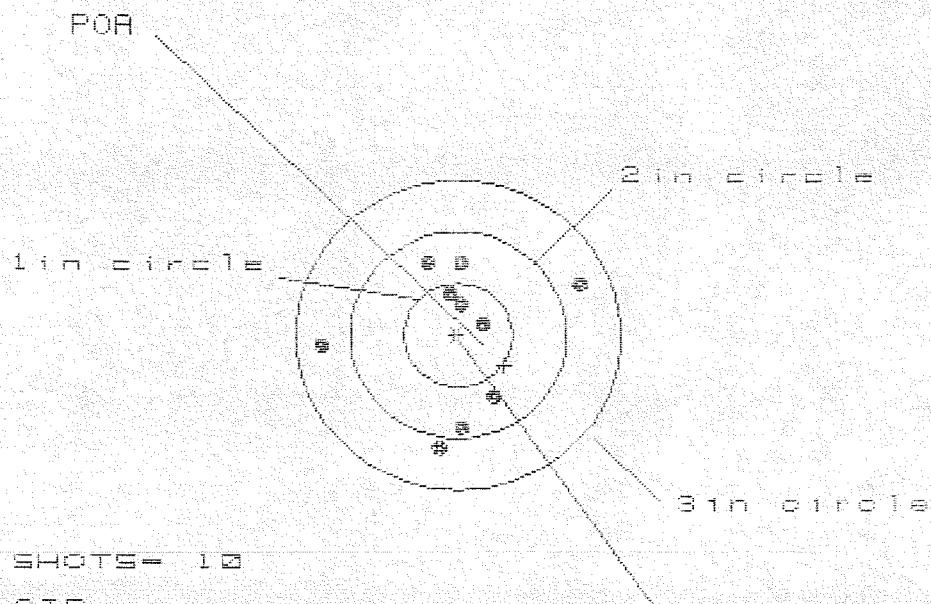
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.905	.769	.857
MINIMUM X	:	-1.218	-1.209	-1.121
MAXIMUM Y	:	.917	.964	1.009
MINIMUM Y	:	-1.167	-1.065	-.944
CENTROID X	:	.092	.228	.140
CENTROID Y	:	.223	.121	.000
POA TO CENTROID in.	:	.241	.258	.140
MIN RADIUS	:	.036	.141	.220
MEAN RADIUS	:	.959	.885	.844
MAX RADIUS	:	1.525	1.218	1.154
HORIZONTAL SPREAD	:	2.123	1.978	1.978
VERTICAL SPREAD	:	2.084	2.029	1.953
EXTREME SPREAD	:	2.530	2.261	2.050
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225289

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.448

VS= 1.833

GS= 2.536

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.156
MINIMUM X	-1.292
MAXIMUM Y	.700
MINIMUM Y	-1.133
CENTROID X	-.428
CENTROID Y	.294
POA TO CENTROID in.	.519
MIN RADIUS	.297
MEAN RADIUS	.780
MAX RADIUS	1.300
HORIZONTAL SPREAD	2.448
VERTICAL SPREAD	1.833
EXTREME SPREAD	2.536
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	10

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

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

MODEL 700™ H24

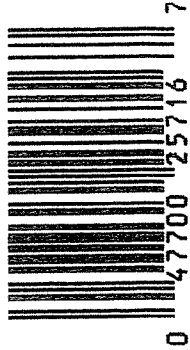
SERIAL NO.
C6225299

ORDER NO.
5716

MADE IN ILLION, 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.

UPC



5716 C6225299