

C6225208

MODEL 700TM M24

Model **SMS** TM

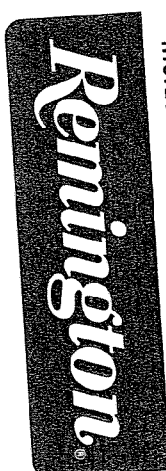
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225208.___0

FILE DATE AND TIME: 10/11/2002 13:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.115
The Average Y Centroid of the Five Target Set:	-0.082
The Average Point of Impact of the Five Target Set:	0.141
The Average Mean Radius of the Five Target Set:	0.620
The Distance from POA to Centroid Target #1:	0.338
The Distance from Centroid Target #2 to Centroid Target #1:	0.407
The Distance from Centroid Target #3 to Centroid Target #1:	0.326
The Distance from Centroid Target #4 to Centroid Target #1:	0.210
The Distance from Centroid Target #5 to Centroid Target #1:	0.264

SERIAL NUMBER: C6225208. 0

TARGET NUMBER: 1

FILE DATE: 10/11/2002

FILE TIME: 13:53

POINT#	X	Y
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1:	-0.909	-1.083
----	--------	--------

2:	-1.218	-0.724
----	--------	--------

3:	-1.061	-0.219
----	--------	--------

4:	-0.589	-0.516
----	--------	--------

5:	-0.067	0.728
----	--------	-------

6:	0.597	0.746
----	-------	-------

7:	0.136	0.239
----	-------	-------

8:	0.104	-0.060
----	-------	--------

9:	0.102	-0.298
----	-------	--------

10:	0.015	-0.564
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X CENTROID: -0.289

Y CENTROID: -0.175

POA TO CENTROID: 0.338

HORZ SPREAD: 1.815

VERT SPREAD: 1.829

GROUP SPREAD: 2.369

MIN RADIUS: 0.410

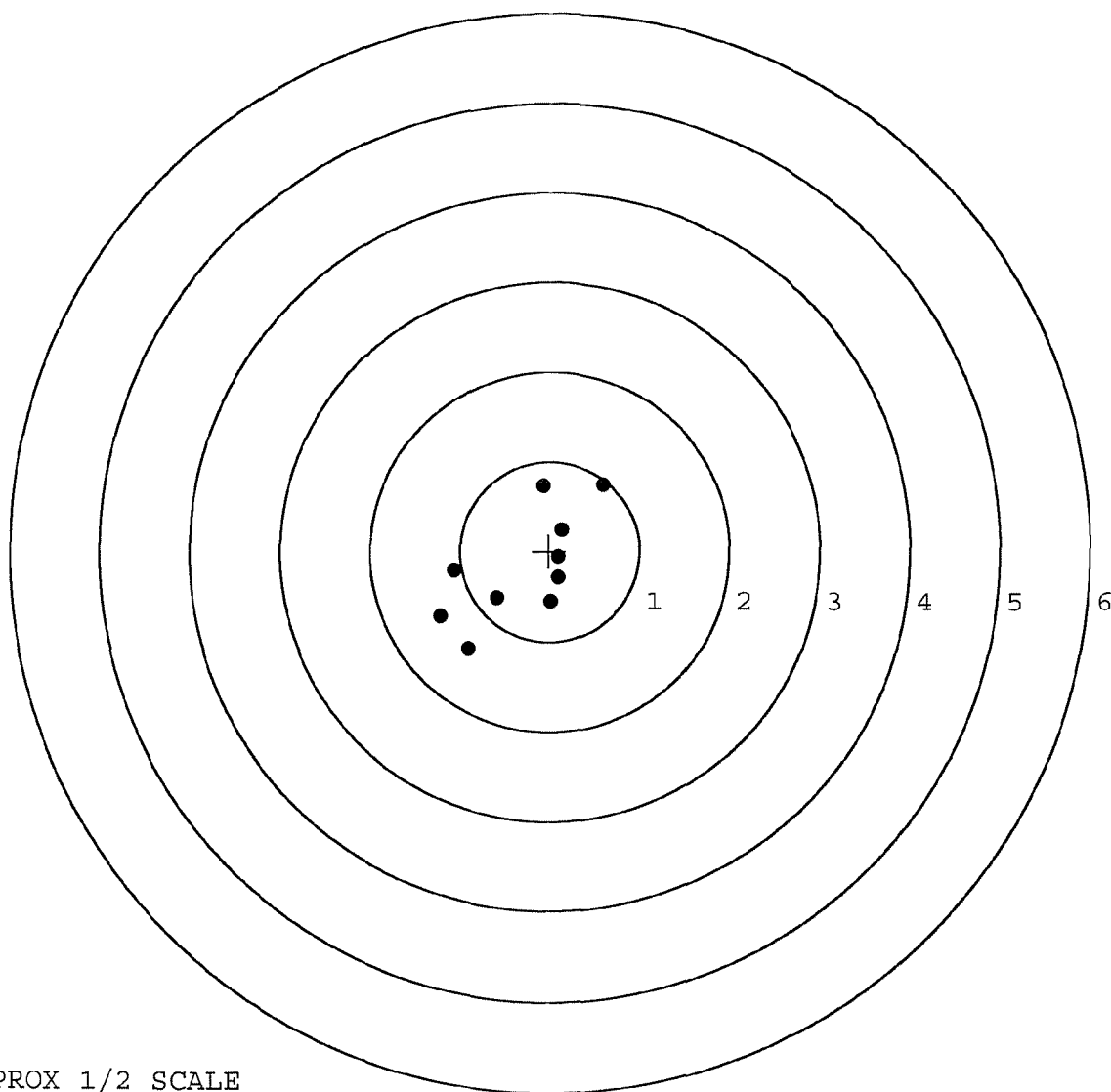
MAX RADIUS: 1.278

MEAN RADIUS: 0.752

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

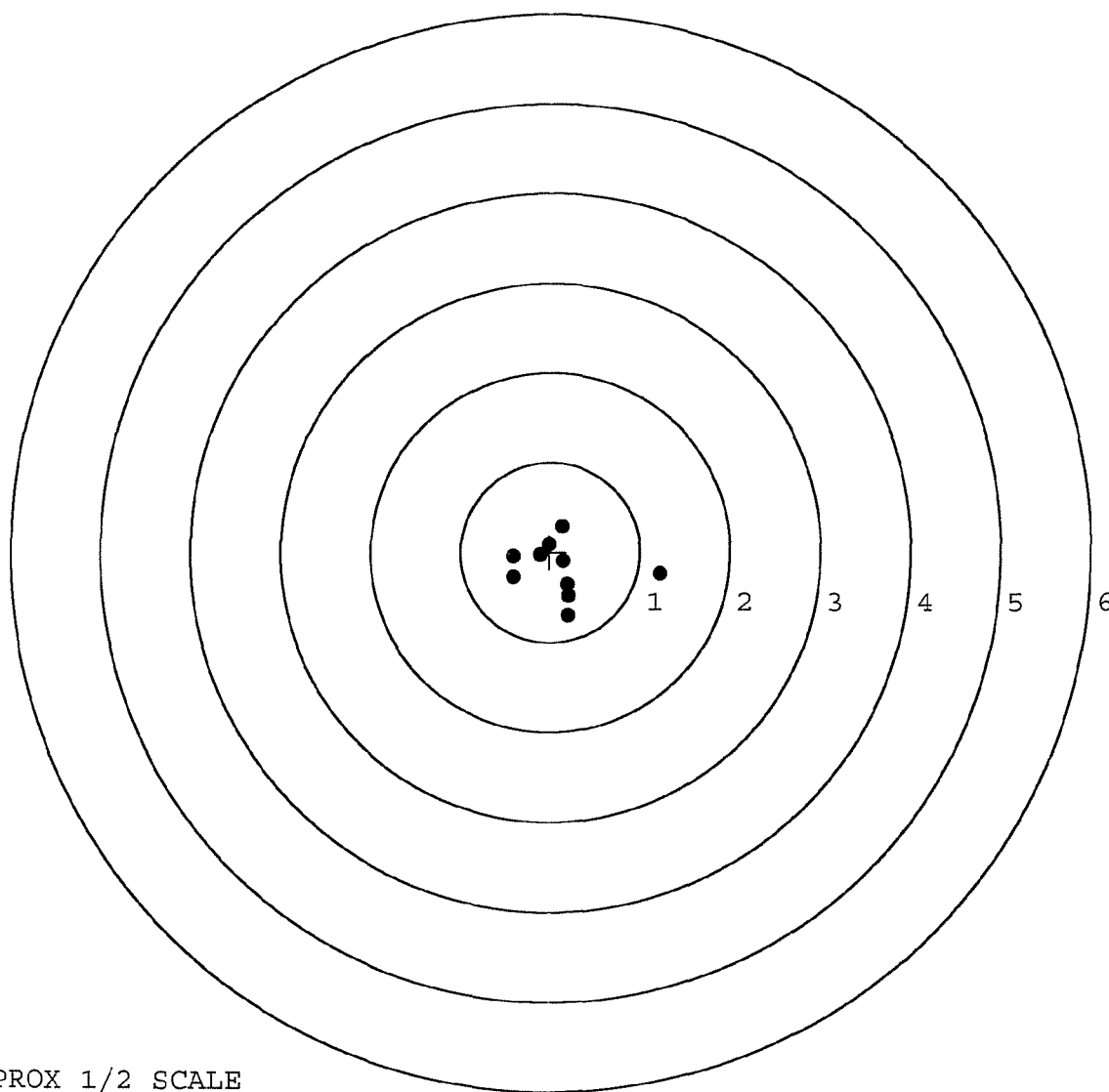


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225208. __0
TARGET NUMBER: 2
FILE DATE: 10/11/2002
FILE TIME: 13:53

POINT#	X	Y
1:	1.224	-0.242
2:	0.201	-0.712
3:	-0.408	-0.278
4:	-0.411	-0.050
5:	0.137	0.281
6:	-0.008	0.084
7:	0.147	-0.104
8:	0.198	-0.366
9:	0.211	-0.489
10:	-0.112	-0.037

X CENTROID: 0.118
Y CENTROID: -0.191
POA TO CENTROID: 0.225
HORZ SPREAD: 1.635
VERT SPREAD: 0.993
GROUP SPREAD: 1.646
MIN RADIUS: 0.092
MAX RADIUS: 1.107
MEAN RADIUS: 0.436
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225208. __0

TARGET NUMBER: 3

FILE DATE: 10/11/2002

FILE TIME: 13:53

POINT#	X	Y
1:	0.837	-0.237
2:	-0.103	-0.710
3:	-0.004	0.010
4:	0.067	0.240
5:	-0.226	0.312
6:	-0.886	0.701
7:	-0.793	0.523
8:	-0.649	0.386
9:	-0.493	0.039
10:	-0.458	0.242

X CENTROID: -0.271

Y CENTROID: 0.151

POA TO CENTROID: 0.310

HORZ SPREAD: 1.723

VERT SPREAD: 1.411

GROUP SPREAD: 1.962

MIN RADIUS: 0.168

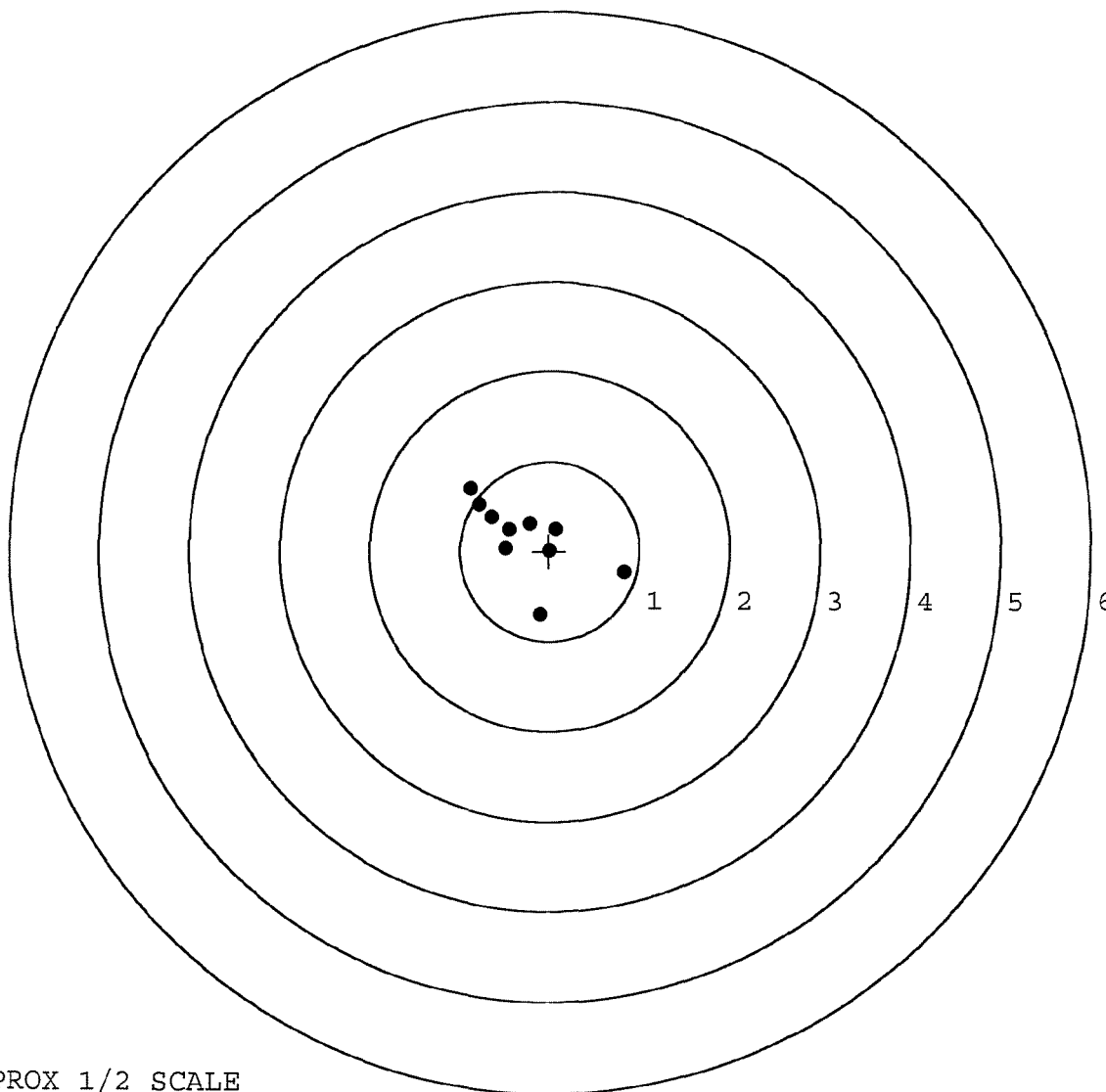
MAX RADIUS: 1.174

MEAN RADIUS: 0.524

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

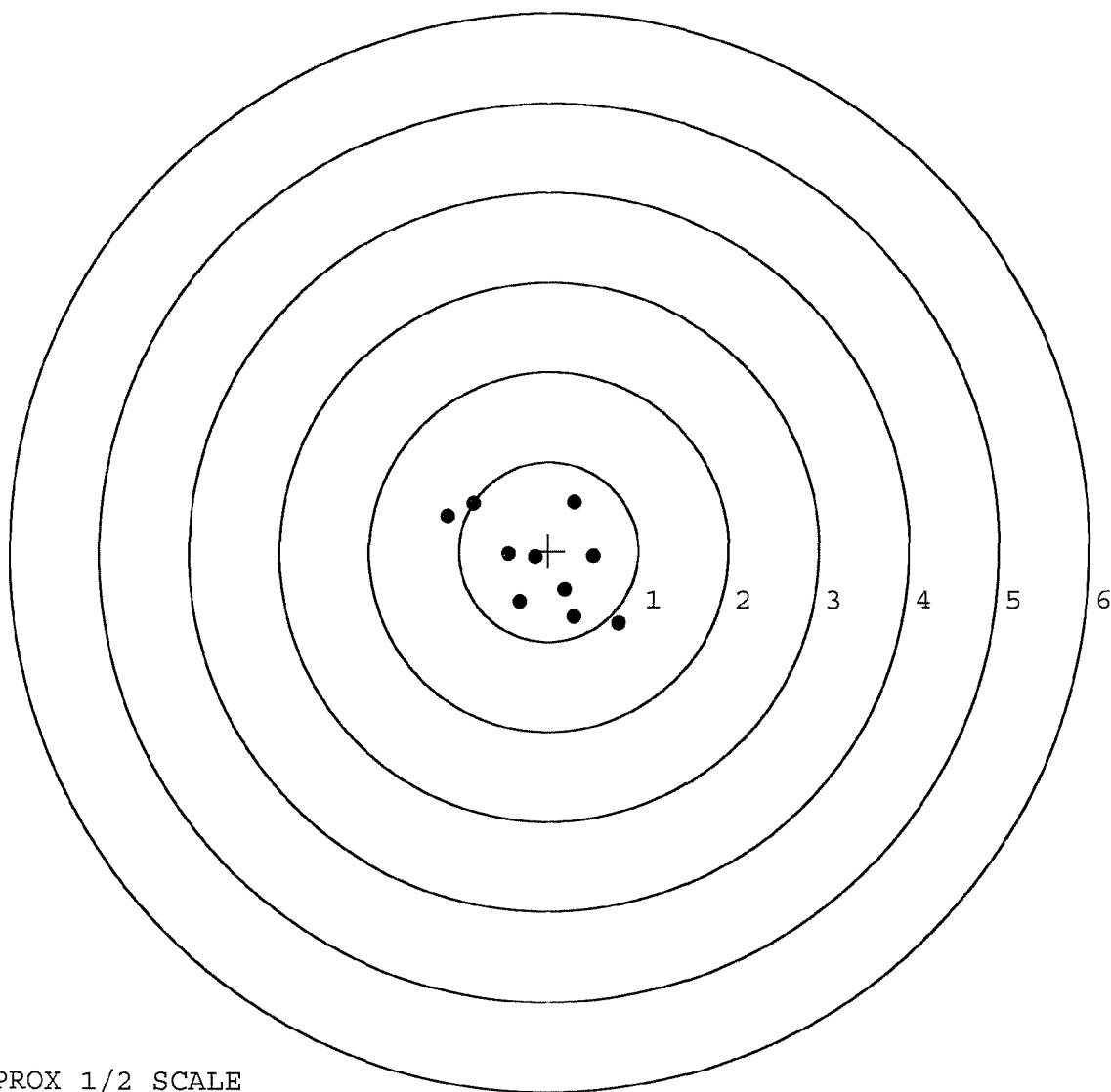


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225208.____0
TARGET NUMBER: 4
FILE DATE: 10/11/2002
FILE TIME: 13:53

POINT#	X	Y
1:	0.786	-0.811
2:	0.503	-0.061
3:	0.285	0.540
4:	0.282	-0.736
5:	0.185	-0.439
6:	-0.323	-0.572
7:	-0.149	-0.067
8:	-0.450	-0.032
9:	-0.836	0.536
10:	-1.130	0.398

X CENTROID: -0.085
Y CENTROID: -0.124
POA TO CENTROID: 0.150
HORZ SPREAD: 1.916
VERT SPREAD: 1.351
GROUP SPREAD: 2.266
MIN RADIUS: 0.086
MAX RADIUS: 1.169
MEAN RADIUS: 0.673
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225208. __0

TARGET NUMBER: 5

FILE DATE: 10/11/2002

FILE TIME: 13:53

POINT#	X	Y
1:	1.074	-0.224
2:	0.720	0.059
3:	0.193	0.079
4:	0.123	-0.517
5:	-0.452	-0.548
6:	-0.662	-0.880
7:	-0.639	-0.017
8:	-0.822	0.013
9:	-0.019	0.554
10:	0.020	0.762

X CENTROID: -0.046

Y CENTROID: -0.072

POA TO CENTROID: 0.086

HORZ SPREAD: 1.896

VERT SPREAD: 1.642

GROUP SPREAD: 1.911

MIN RADIUS: 0.283

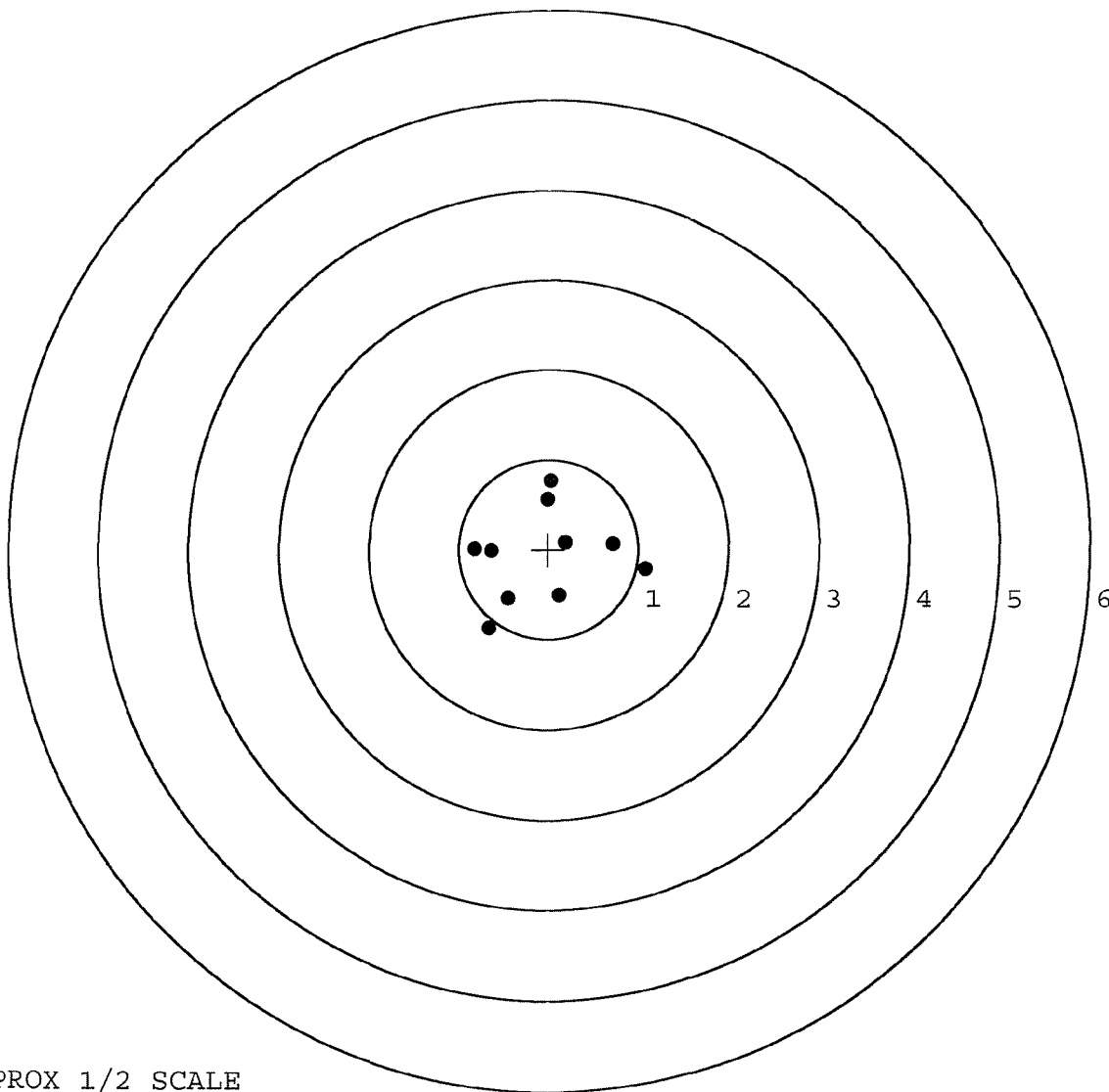
MAX RADIUS: 1.131

MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

in: C6225208

DATE REC'D: 9/18/02

DATE RET'D: 10/14/02

EDITOR: RL

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: _____

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

R & E NUMBER	52518		
SERIAL NUMBER	C6225208		
LOG-IN DATE	9/18/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	DA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-25-02	AC
605	CHECK HEADSPACE	9-25-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	RL	
615	ROLLMARK CALIBER	9/27/02	TUD
618	ROTO-BLAST	9/30/02	RO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/8/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-10-02	✓
655	FINAL INSPECT	10-14-02	RL
660	PACK	10-15-02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225208

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		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	JS
617	Drill and Tap Sight Holes	4 27	89	YB
618	Polish Barrel <i>RB</i>	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	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/15/89	99
	G) Safety Off Force	3	3	3			5/15/89	99
	H) Trigger Pull Test & Retainability						3/17/89	W03
	I) Firing Pin Indent	.020	.020	.020	.020	.020	5/15/89	99
	J) Assemble Stock						5/16/89	RW
	K) Assemble Swivel Studs						17 May 89	WS
	L) Attach Front and Rear Sight Assemblies						5/16/89	RW
	M) Iron Sight Alignment						5/16/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/16/89	RW
	O) Attach Scope to Rifle						5/16/89	99
	P) Detach & Attach Scope 20 Times						5/16/89	99
640	Gallery Target & Test	77 R	74 L				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	WS
	B) Trigger Pull	2.52	2.50	2.47	2.47	2.47	17 May 89	WS
	C) Function						17 May 89	WS
660	Pack						26 June 89	92S

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

L2

SERIAL NO. C 6225208

DATE 5/12/89

TESTER WOB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.35	2.40	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.29	2.35	2.50	
PULL #3	2.32	2.27	2.38	2.47	
PULL #4	2.31	2.27	2.33	2.47	
PULL #5	2.32	2.27	2.35	2.47	
TOTAL	11.62	11.45	11.81	12.43	
AVG.	2.32	2.29	2.36	2.486	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.29		
PULL #2	3.23	3.20		
PULL #3	3.27	3.20		
PULL #4	3.13	3.12		
PULL #5	3.30	3.17		
TOTAL	16.19	15.98		
AVG.	3.24	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.23		4.30
PULL #2	4.26	4.22		4.28
PULL #3	4.31	4.31		4.15
PULL #4	4.23	4.26		4.17
PULL #5	4.24	4.32		4.14
TOTAL	21.45	21.34		21.04
AVG.	4.29	4.27		4.21

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225208
17 May 1989

CENTROIDAL DISTANCES

0 TO	1	.0904489
1 TO	2	.398503
1 TO	3	.539103
1 TO	4	.238372
1 TO	5	.335172

45 <----POB

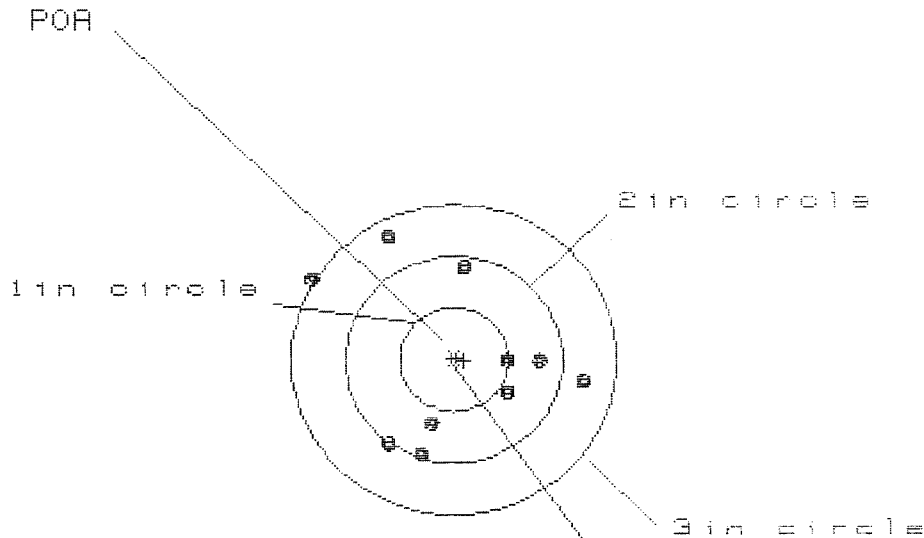
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1994
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0568
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207332

THE AMR FOR THIS RIFLE IS: .7224

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225288

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 9

HS= 2.500

VS= 2.055

GS= 2.702

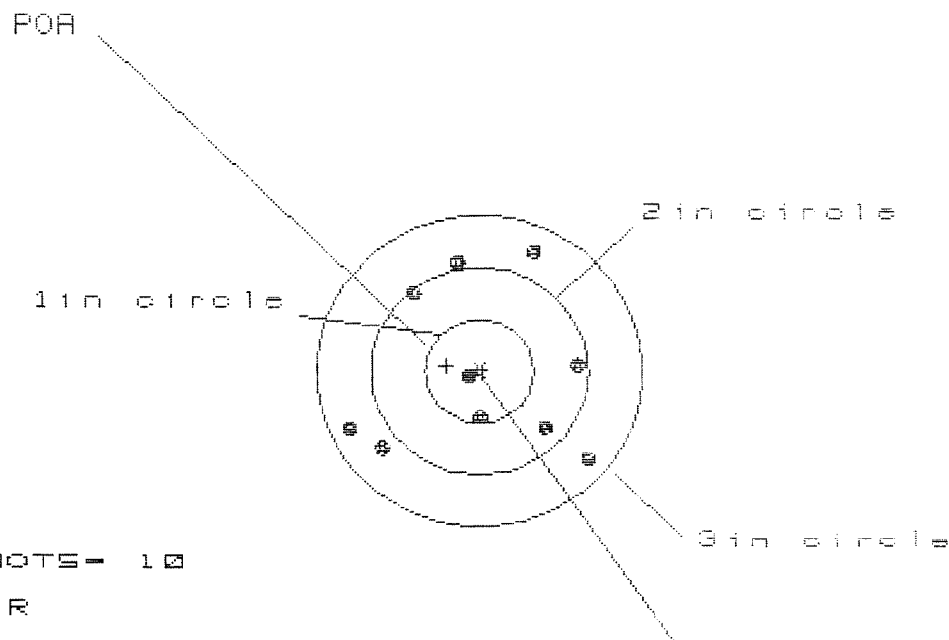
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.172	1.025	.931
MINIMUM X	:	-1.328	-.779	-.873
MAXIMUM Y	:	1.177	1.263	1.124
MINIMUM Y	:	-.877	-.792	-.634
CENTROID X	:	-.090	.057	.151
CENTROID Y	:	.009	-.077	-.235
POA TO CENTROID in.	:	.091	.096	.279
MIN RADIUS	:	.519	.368	.217
MEAN RADIUS	:	.939	.831	.712
MAX RADIUS	:	1.534	1.467	1.129
HORIZONTAL SPREAD	:	2.500	1.804	1.804
VERTICAL SPREAD	:	2.055	2.055	1.758
EXTREME SPREAD	:	2.702	2.279	1.875
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225208

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 10

HS= 2.187

VS= 1.991

GS= 2.409

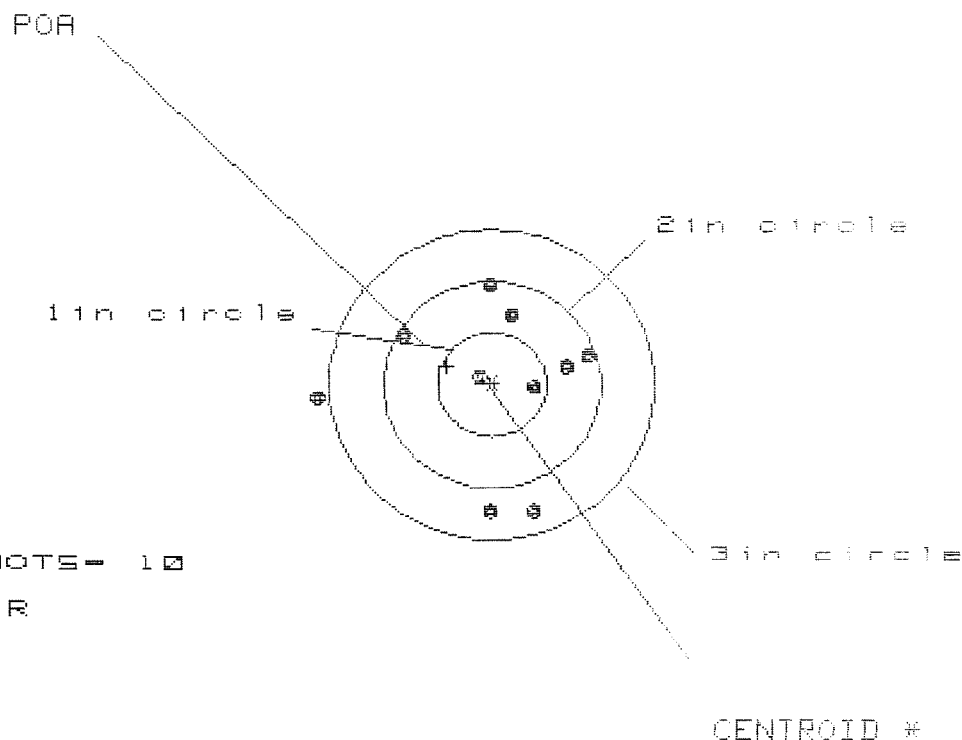
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.953	.816	.860
MINIMUM X	:	-1.234	-1.002	-.958
MAXIMUM Y	:	1.192	1.137	1.185
MINIMUM Y	:	-.799	-.854	-.712
CENTROID X	:	.303	.440	.396
CENTROID Y	:	-.057	-.002	-.144
POA TO CENTROID in.	:	.308	.440	.421
MIN RADIUS	:	.116	.255	.165
MEAN RADIUS	:	.943	.902	.837
MAX RADIUS	:	1.329	1.290	1.215
HORIZONTAL SPREAD	:	2.187	1.818	1.818
VERTICAL SPREAD	:	1.991	1.991	1.897
EXTREME SPREAD	:	2.409	2.372	2.235
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C82252B8

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.478

VS= 2.177

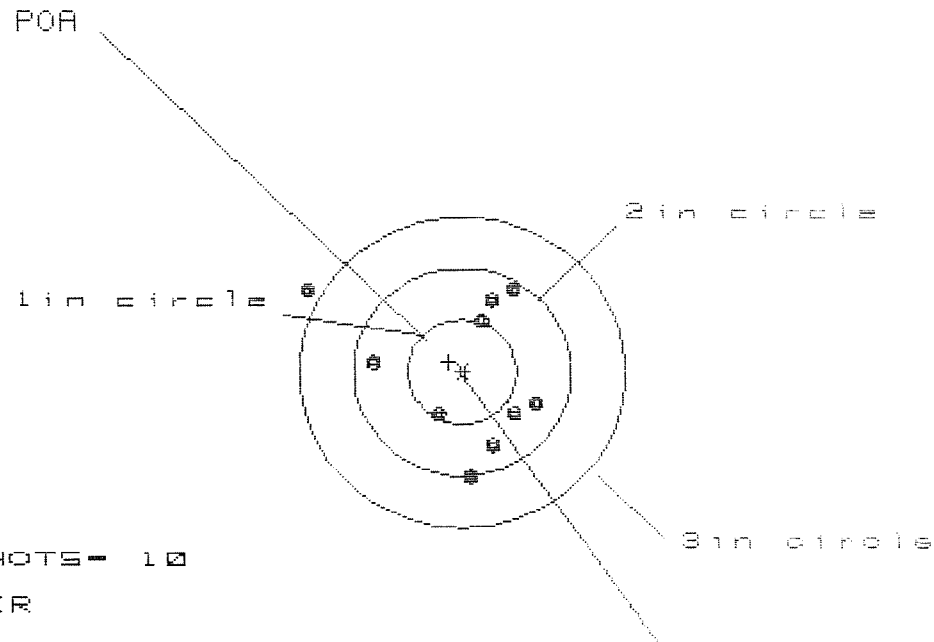
GS= 2.511

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.910	.736	.768
MINIMUM X	:	-1.568	-.969	-.937
MAXIMUM Y	:	.943	.928	.774
MINIMUM Y	:	-1.234	-1.249	-1.403
CENTROID X	:	.416	.590	.558
CENTROID Y	:	-.177	-.162	-.008
POA TO CENTROID in.	:	.452	.612	.558
MIN RADIUS	:	.196	.246	.298
MEAN RADIUS	:	.885	.780	.695
MAX RADIUS	:	1.574	1.267	1.414
HORIZONTAL SPREAD	:	2.478	1.705	1.705
VERTICAL SPREAD	:	2.177	2.177	2.177
EXTREME SPREAD	:	2.511	2.207	2.177
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

16 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225288

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HS= 2.118

VS= 1.828

GS= 2.415

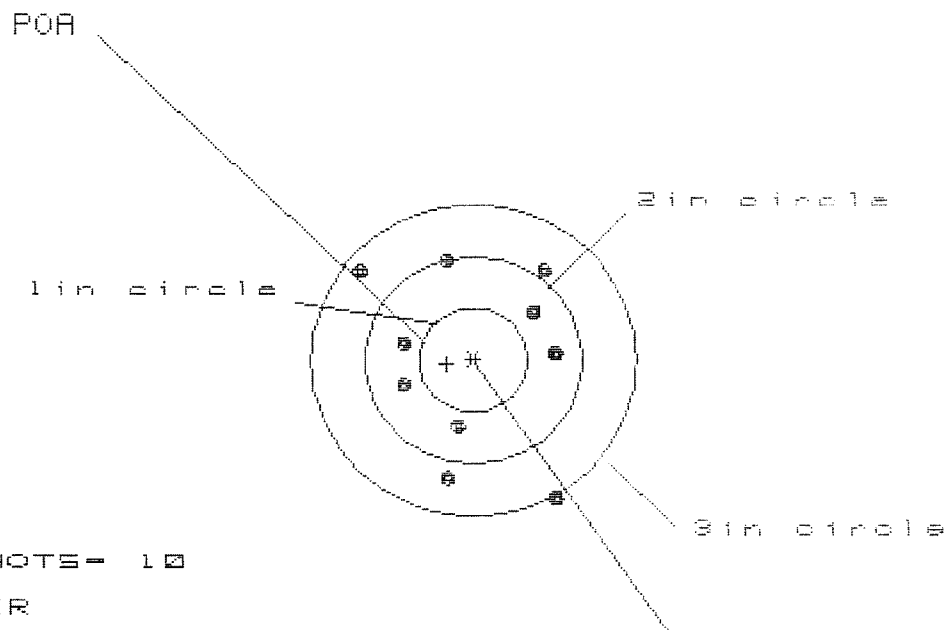
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.703	.546	.532
MINIMUM X	:	-1.415	-1.001	-1.015
MAXIMUM Y	:	.822	.873	.758
MINIMUM Y	:	-1.007	-.915	-.743
CENTROID X	:	.124	.281	.295
CENTROID Y	:	-.096	-.187	-.072
POA TO CENTROID in.	:	.156	.338	.304
MIN RADIUS	:	.477	.478	.511
MEAN RADIUS	:	.841	.723	.696
MAX RADIUS	:	1.636	1.025	1.021
HORIZONTAL SPREAD	:	2.118	1.547	1.547
VERTICAL SPREAD	:	1.828	1.788	1.501
EXTREME SPREAD	:	2.415	1.840	1.616
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225288

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 1.800

VS= 2.231

GS= 2.790

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.881	.767
MINIMUM X	:	-.997	-.908	-.691
MAXIMUM Y	:	.926	.781	.866
MINIMUM Y	:	-1.305	-1.245	-1.160
CENTROID X	:	.244	.155	.269
CENTROID Y	:	.037	.182	.097
POA TO CENTROID in.	:	.247	.239	.286
MIN RADIUS	:	.617	.509	.632
MEAN RADIUS	:	.943	.863	.824
MAX RADIUS	:	1.532	1.254	1.188
HORIZONTAL SPREAD	:	1.800	1.789	1.458
VERTICAL SPREAD	:	2.231	2.026	2.026
EXTREME SPREAD	:	2.790	2.157	2.157
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	




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

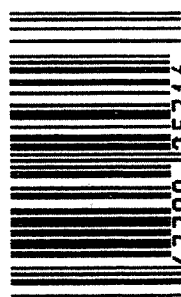
MODEL 700™ H24

SERIAL NO.
C6225208

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6225208