

C6522217

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*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: **RE00102789** Serial: C6522217 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:45:37 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To ☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **DEF TRAINING BDE ROTATION** **DEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **601-558-4593** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search Refresh Close

maglet 10/26/2005 9:51 AM CAPS NUM INS SCPL

start 2 3 Arms S.

Serial Number: **C6522217**

Model: **M24 SWS**



RE00102789

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522217.___0
FILE DATE AND TIME: 11/29/2005 23:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.076
The Average Y Centroid of the Five Target Set:	0.024
The Average Point of Impact of the Five Target Set:	0.080
The Average Mean Radius of the Five Target Set:	0.502
The Distance from POA to Centroid Target #1:	0.110
The Distance from Centroid Target #2 to Centroid Target #1:	0.355
The Distance from Centroid Target #3 to Centroid Target #1:	0.139
The Distance from Centroid Target #4 to Centroid Target #1:	0.091
The Distance from Centroid Target #5 to Centroid Target #1:	0.319

SERIAL NUMBER: C6522217.___0

TARGET NUMBER: 1

FILE DATE: 11/29/2005

FILE TIME: 23:19

POINT#	X	Y
1:	0.213	0.246
2:	0.296	0.127
3:	0.350	-0.077
4:	-0.011	-0.366
5:	-0.126	0.191
6:	-0.246	-0.024
7:	-0.546	0.587
8:	0.680	0.183
9:	0.452	-0.543
10:	-0.022	0.041

X CENTROID: 0.104

Y CENTROID: 0.036

POA TO CENTROID: 0.110

HORZ SPREAD: 1.226

VERT SPREAD: 1.130

GROUP SPREAD: 1.508

MIN RADIUS: 0.126

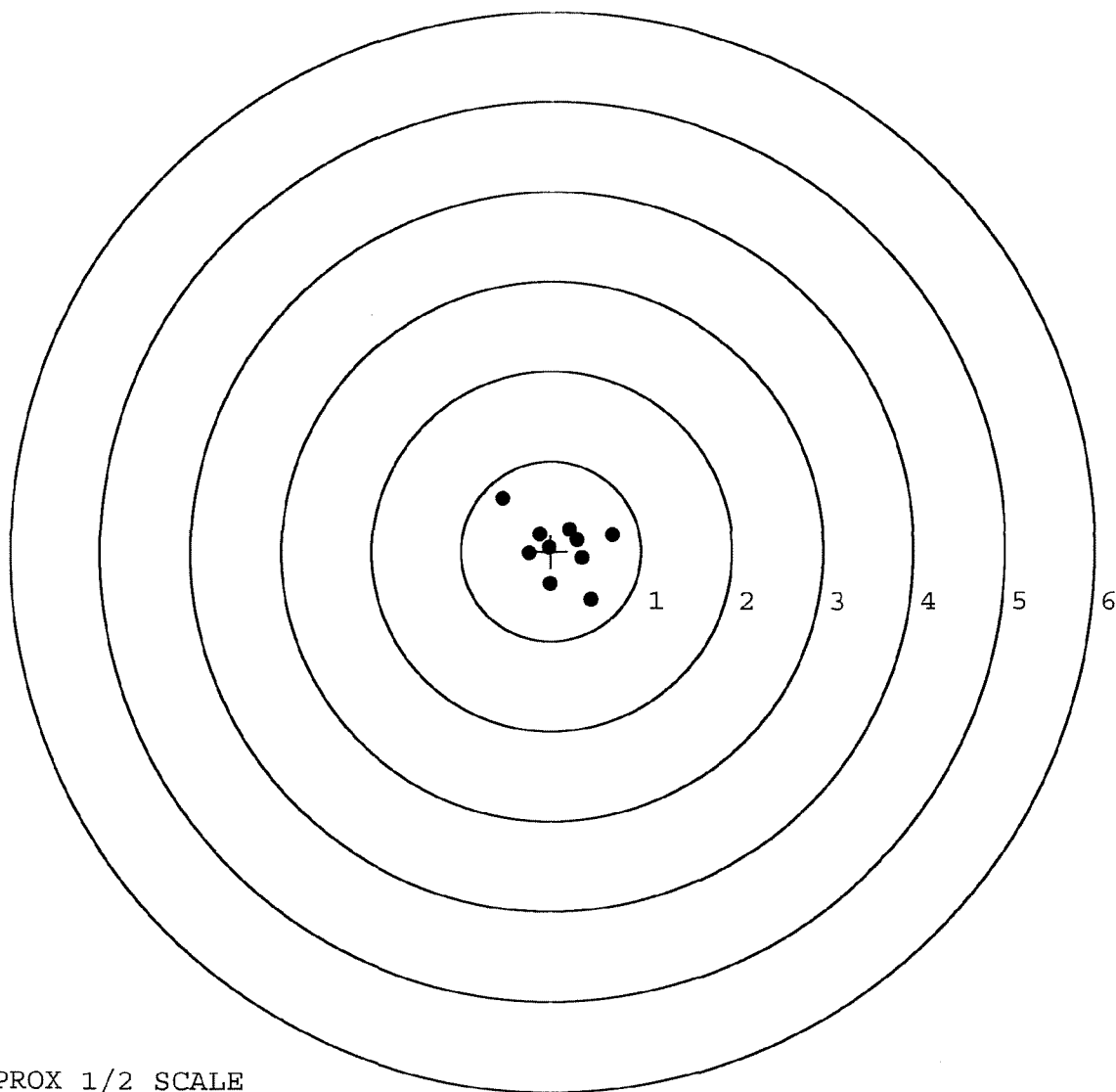
MAX RADIUS: 0.852

MEAN RADIUS: 0.402

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

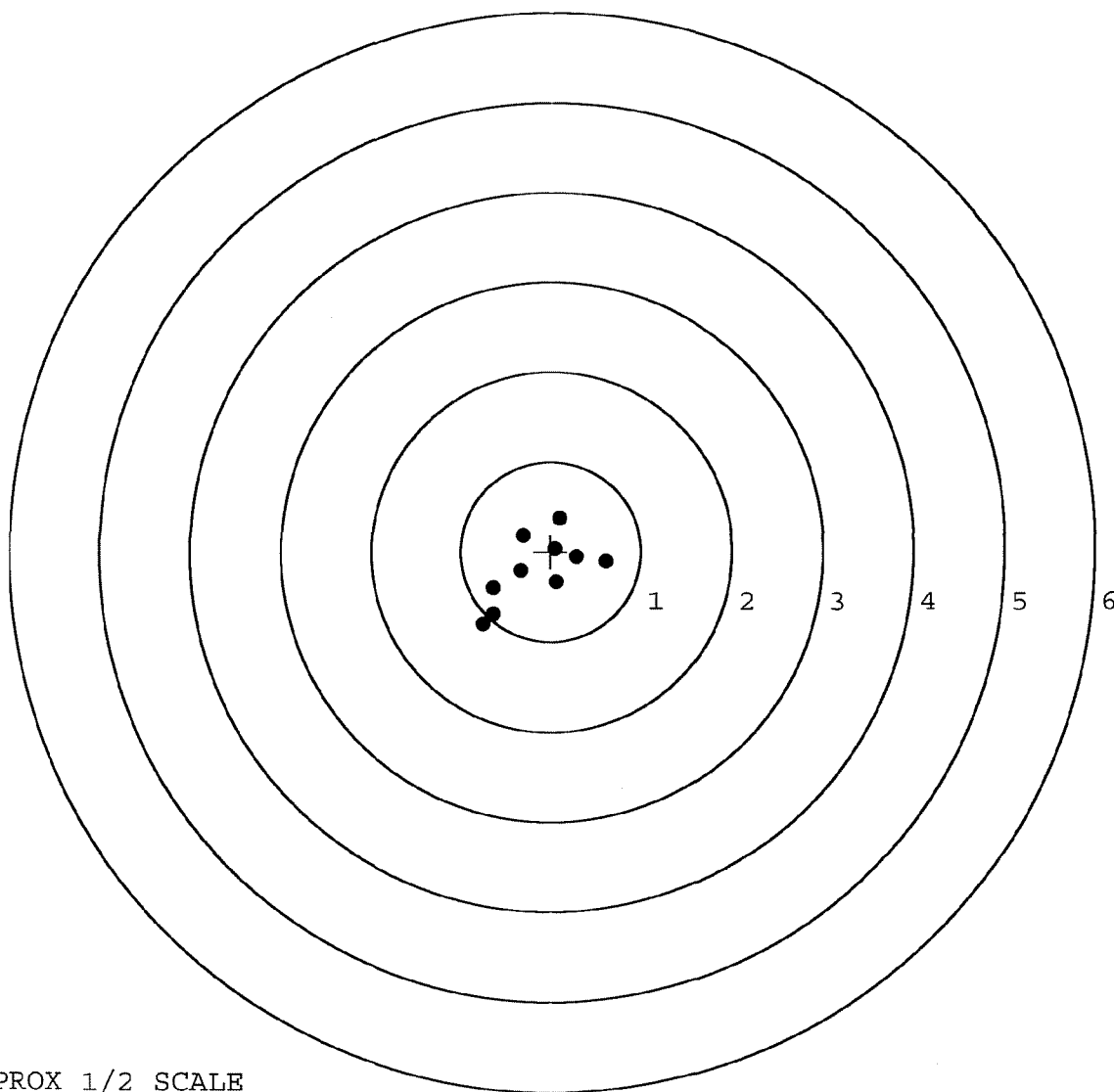


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522217. __0
TARGET NUMBER: 2
FILE DATE: 11/29/2005
FILE TIME: 23:19

X CENTROID: -0.153
Y CENTROID: -0.208
POA TO CENTROID: 0.258
HORZ SPREAD: 1.364
VERT SPREAD: 1.185
GROUP SPREAD: 1.531
MIN RADIUS: 0.178
MAX RADIUS: 0.848
MEAN RADIUS: 0.508
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.060	-0.343
2:	-0.331	-0.214
3:	-0.301	0.176
4:	0.099	0.373
5:	0.287	-0.066
6:	0.616	-0.116
7:	-0.635	-0.407
8:	-0.635	-0.697
9:	-0.748	-0.812
10:	0.053	0.027

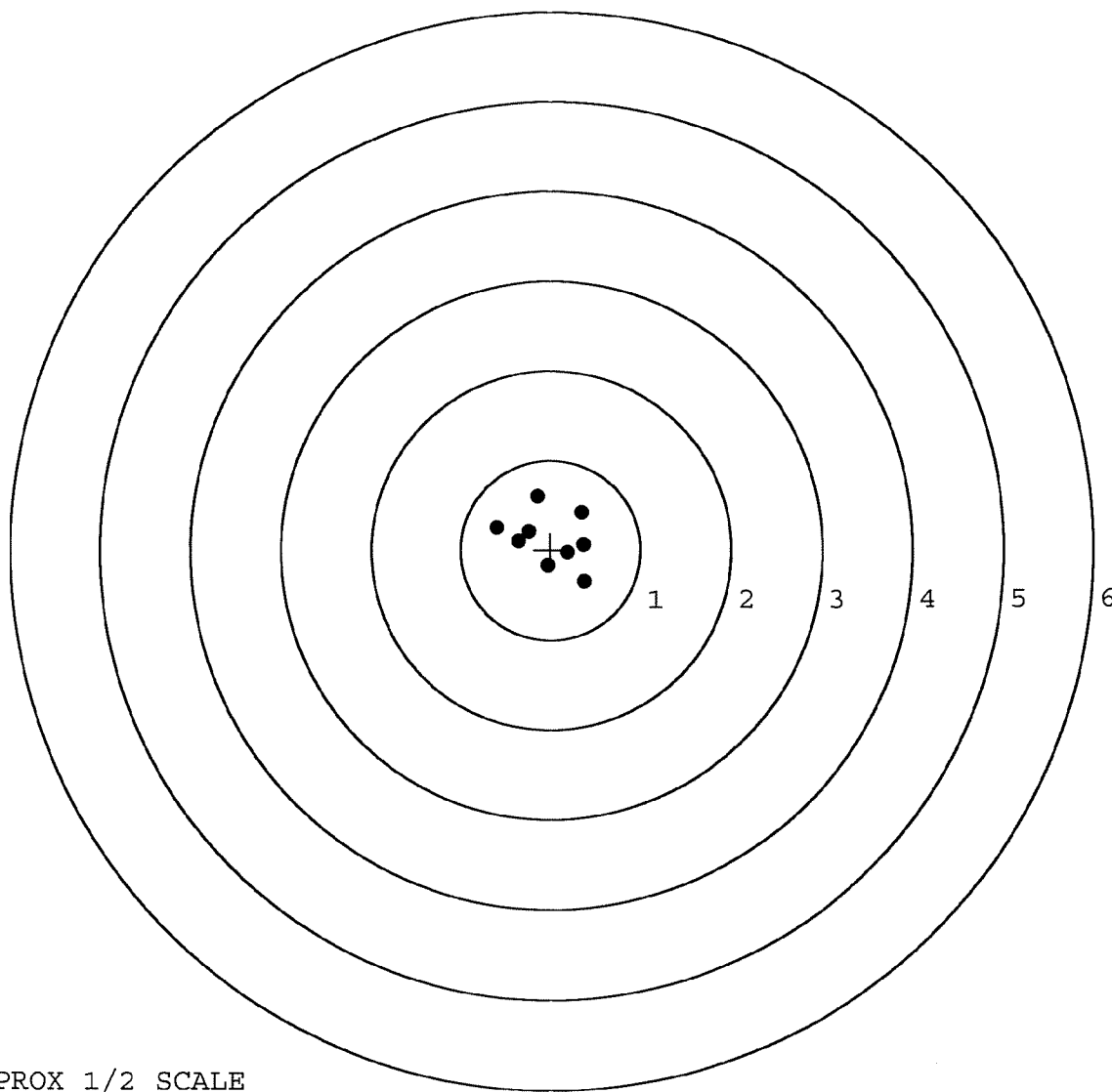


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522217. 0
TARGET NUMBER: 3
FILE DATE: 11/29/2005
FILE TIME: 23:19

X CENTROID: -0.010
Y CENTROID: 0.117
POA TO CENTROID: 0.117
HORZ SPREAD: 0.969
VERT SPREAD: 0.955
GROUP SPREAD: 1.143
MIN RADIUS: 0.248
MAX RADIUS: 0.612
MEAN RADIUS: 0.411
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.241	0.206
2:	-0.027	-0.180
3:	0.189	-0.034
4:	-0.357	0.096
5:	-0.594	0.247
6:	-0.146	0.596
7:	0.348	0.417
8:	0.367	0.060
9:	0.375	-0.359

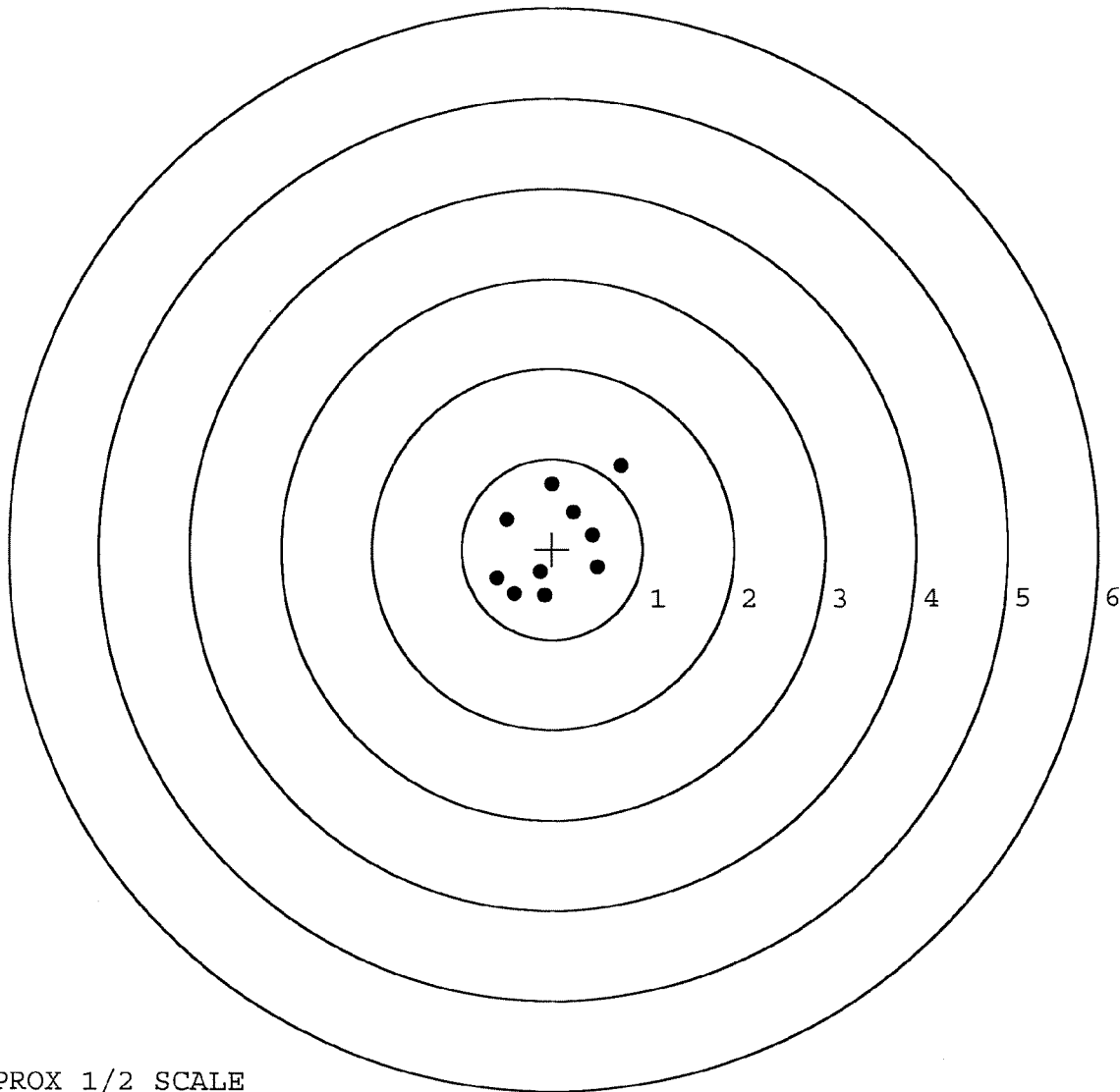


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522217. 0
TARGET NUMBER: 4
FILE DATE: 11/29/2005
FILE TIME: 23:19

X CENTROID: 0.022
Y CENTROID: 0.074
POA TO CENTROID: 0.077
HORZ SPREAD: 1.368
VERT SPREAD: 1.436
GROUP SPREAD: 1.850
MIN RADIUS: 0.365
MAX RADIUS: 1.125
MEAN RADIUS: 0.617
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.127	-0.259
2:	-0.083	-0.514
3:	-0.414	-0.497
4:	-0.505	0.330
5:	0.234	0.410
6:	-0.607	-0.324
7:	0.503	-0.204
8:	0.450	0.156
9:	0.005	0.722
10:	0.761	0.922

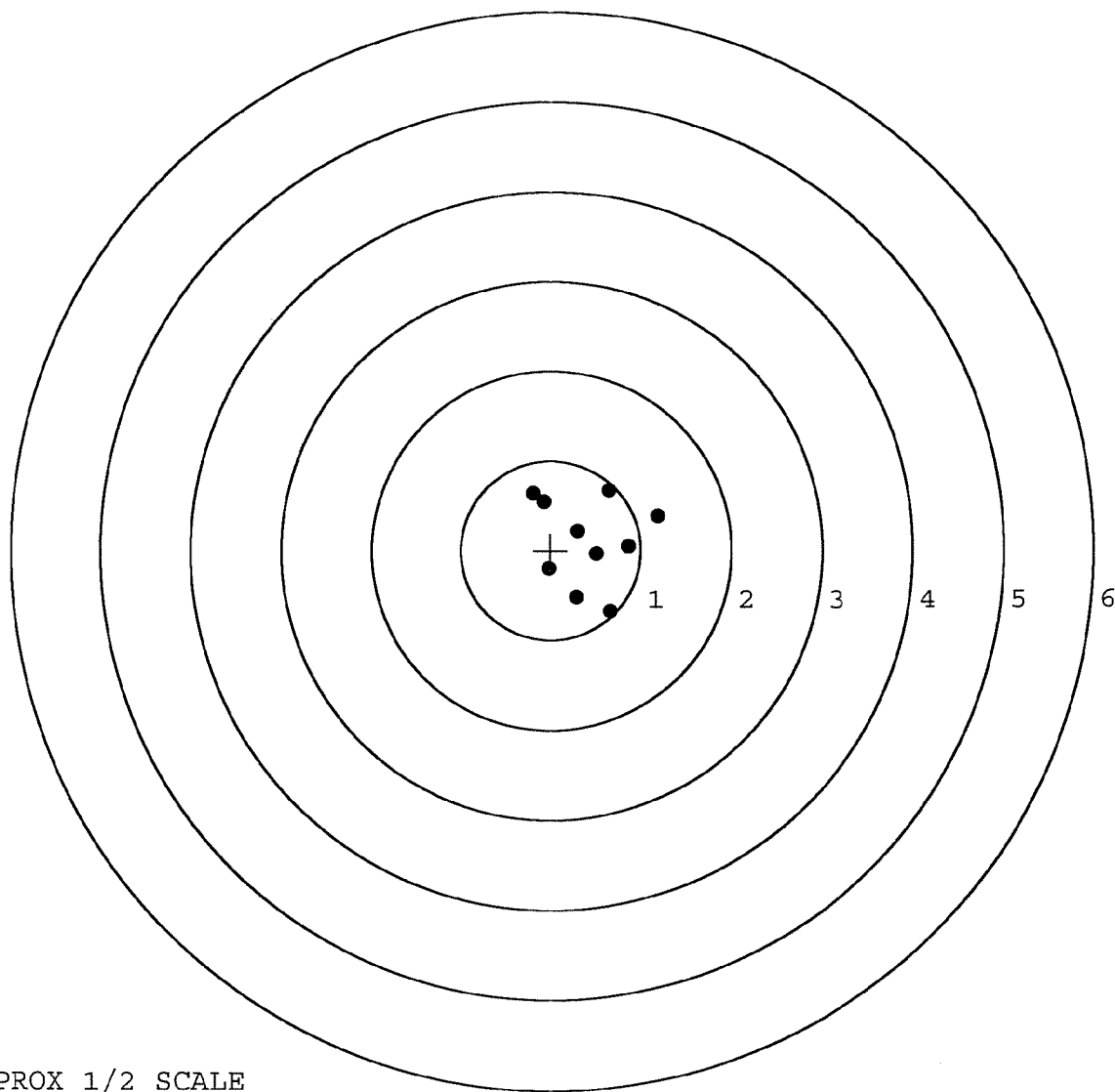


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522217. __0
TARGET NUMBER: 5
FILE DATE: 11/29/2005
FILE TIME: 23:19

X CENTROID: 0.416
Y CENTROID: 0.102
POA TO CENTROID: 0.429
HORZ SPREAD: 1.386
VERT SPREAD: 1.364
GROUP SPREAD: 1.584
MIN RADIUS: 0.159
MAX RADIUS: 0.831
MEAN RADIUS: 0.571
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.304	0.215
2:	0.513	-0.041
3:	0.862	0.043
4:	0.648	0.672
5:	-0.078	0.542
6:	-0.197	0.639
7:	-0.025	-0.213
8:	0.287	-0.527
9:	0.661	-0.692
10:	1.189	0.382



TARGET APPROX 1/2 SCALE

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 11-28-05

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.58	2.56		2.64	
PULL #2	2.57	2.55		2.64	
PULL #3	2.56	2.56		2.59	
PULL #4	2.59	2.52		2.62	
PULL #5	2.59	2.46		2.62	
TOTAL	12.89	12.65		13.11	
AVERAGE	2.57	2.53		2.62	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.11		
PULL #2	3.11	3.12		
PULL #3	3.01	3.19		
PULL #4	3.14	3.09		
PULL #5	3.17	3.16		
TOTAL	15.61	15.67		
AVERAGE	3.12	3.13		

	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	4.09	3.98		4.12
PULL #2	3.97	4.00		4.09
PULL #3	4.02	4.01		4.06
PULL #4	3.94	3.97		4.08
PULL #5	3.96	3.98		4.04
TOTAL	19.98	19.94		20.39
AVERAGE	3.99	3.98		4.07

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

R & E NUMBER	102789			
SERIAL NUMBER	C6522217		CAMP Shelby	
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 18 2005	11-15-05	CD
605	CHECK HEADSPACE		11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>meb</u>	11/15/05	meb
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	PB
625	FINAL ASSEMBLY		10-29-05	RTZ
640	FUNCTION TEST AND	PASS FAIL	10-29-05	MTM
650	TARGET	PASS FAIL	10-29-05	MTM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-30-05	AC
	A) HEADSPACE	PASS FAIL	11-30-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	2 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		12-1-05	MTM

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522217

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	JS
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/22/90	JA
	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		9/7/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/7/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/7/90	WB
	H) Trigger Pull Test & Retainability						9/7/90	WB
	I) Firing Pin Indent	.024	.023	.023			9/7/90	WB
	J) Assemble Stock						9/7/90	KS
	K) Assemble Swivel Studs						9/11/90	KS
	L) Attach Front and Rear Sight Assemblies						9/7/90	KS
	M) Iron Sight Alignment						9/7/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/7/90	KS
	O) Attach Scope to Rifle						9/7/90	KS
	P) Detach & Attach Scope 20 Times						9/7/90	KS
640	Gallery Target & Test						9-10-90	DA
	A) Time						9-10-90	DA
	B) Malfunctions						9-10-90	DA
	C) Pierced Primers						9-10-90	DA
	D) Optical Clarity of Scope						9-10-90	DA
645	Inspect for Live Ammo						9-10-90	DA
655	Final Inspection							
	A) Headspace						9/11/90	KS
	B) Trigger Pull	2.18	2.34	2.36	2.37	2.38	9/10/90	WB
	C) Function						9/11/90	KS
660	Pack						9/19/90	LF

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6527217
DATE 9/7/20
TESTER CVB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.23	2.19	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.18	2.22	2.34	
PULL #3	2.30	2.17	2.10	2.36	
PULL #4	2.32	2.17	2.24	2.37	
PULL #5	2.44	2.12	2.22	2.38	
TOTAL	11.90	10.87	10.97	11.63	
AVG.	2.38	2.17	2.19	2.33	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.06		
PULL #2	3.26	3.20		
PULL #3	3.19	3.23		
PULL #4	3.30	3.26		
PULL #5	3.22	3.12		
TOTAL	16.27	15.87		
AVG.	3.25	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.07	4.01		4.06
PULL #2	4.00	4.00		4.06
PULL #3	4.03	3.90		4.19
PULL #4	4.11	3.95		4.20
PULL #5	4.06	3.95		4.13
TOTAL	20.27	19.81		20.64
AVG.	4.05	3.96		4.13

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522217
10 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.465431
1 TO	2	.962516
1 TO	3	.363109
1 TO	4	1.04292
1 TO	5	.281114

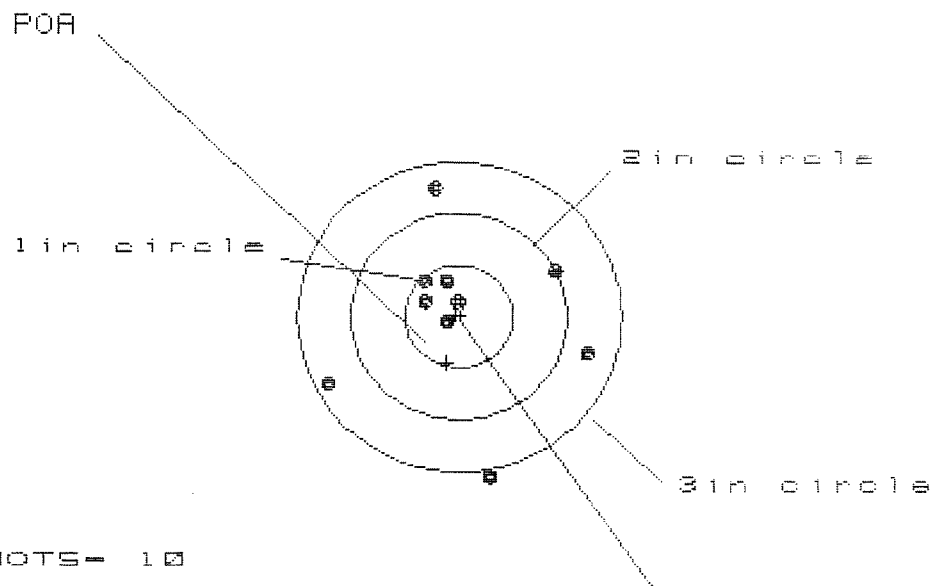
$\frac{L}{24}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1652
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0552
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .174178
THE AMR FOR THIS RIFLE IS: .8786

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522217

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 6

3 in = 9

HS= 2.365

VS= 2.759

GS= 2.815

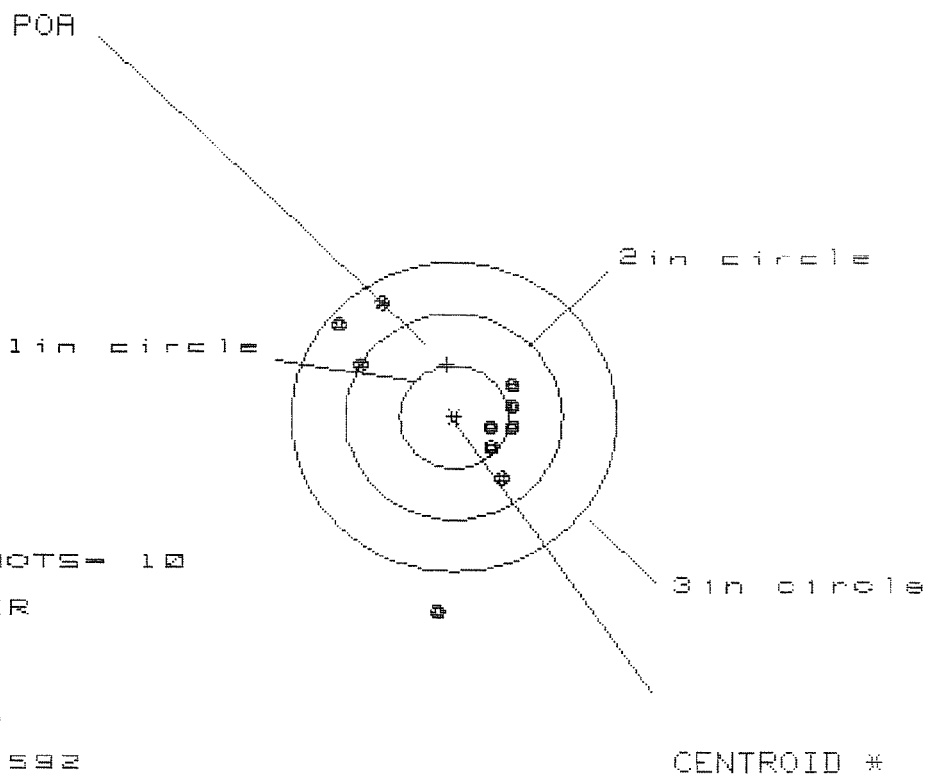
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.139	1.175	1.026
MINIMUM X	:	-1.226	-1.190	-.443
MAXIMUM Y	:	1.229	1.059	.956
MINIMUM Y	:	-1.530	-.821	-.616
CENTROID X	:	.115	.079	.228
CENTROID Y	:	.451	.621	.724
FOR TO CENTROID in.	:	.465	.626	.759
MIN RADIUS	:	.155	.038	.195
MEAN RADIUS	:	.780	.645	.590
MAX RADIUS	:	1.563	1.446	1.197
HORIZONTAL SPREAD	:	2.365	2.365	1.469
VERTICAL SPREAD	:	2.759	1.880	1.572
EXTREME SPREAD	:	2.815	2.385	2.090
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522217

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS= 1.592

VS= 2.983

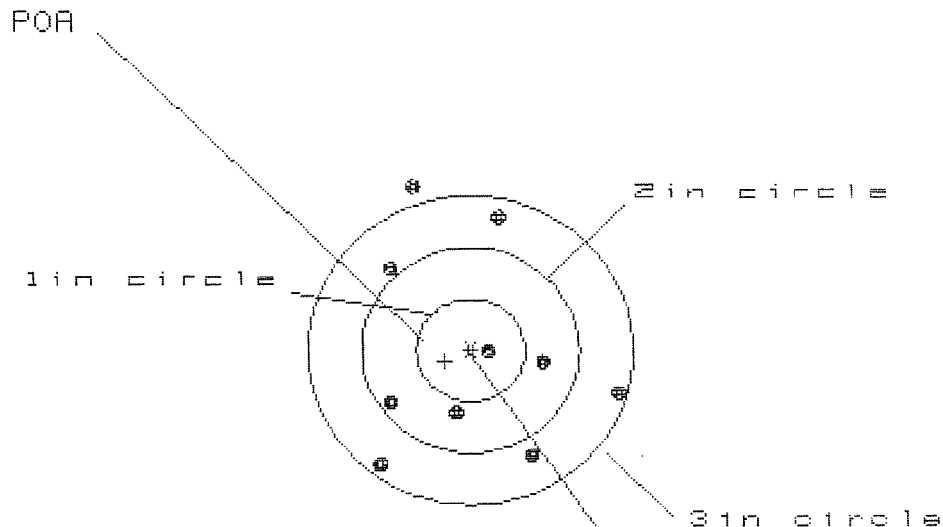
GS= 3.033

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.561	.547	.416
MINIMUM X	:	-1.031	-1.045	-1.052
MAXIMUM Y	:	1.109	.901	.994
MINIMUM Y	:	-1.874	-.772	-.679
CENTROID X	:	.061	.075	.206
CENTROID Y	:	-.510	-.302	-.395
POA TO CENTROID in.	:	.513	.311	.445
MIN RADIUS	:	.317	.431	.278
MEAN RADIUS	:	.885	.780	.650
MAX RADIUS	:	1.878	1.283	1.288
HORIZONTAL SPREAD	:	1.592	1.592	1.468
VERTICAL SPREAD	:	2.983	1.673	1.673
EXTREME SPREAD	:	3.033	2.110	2.008
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522217

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.106

VS= 2.758

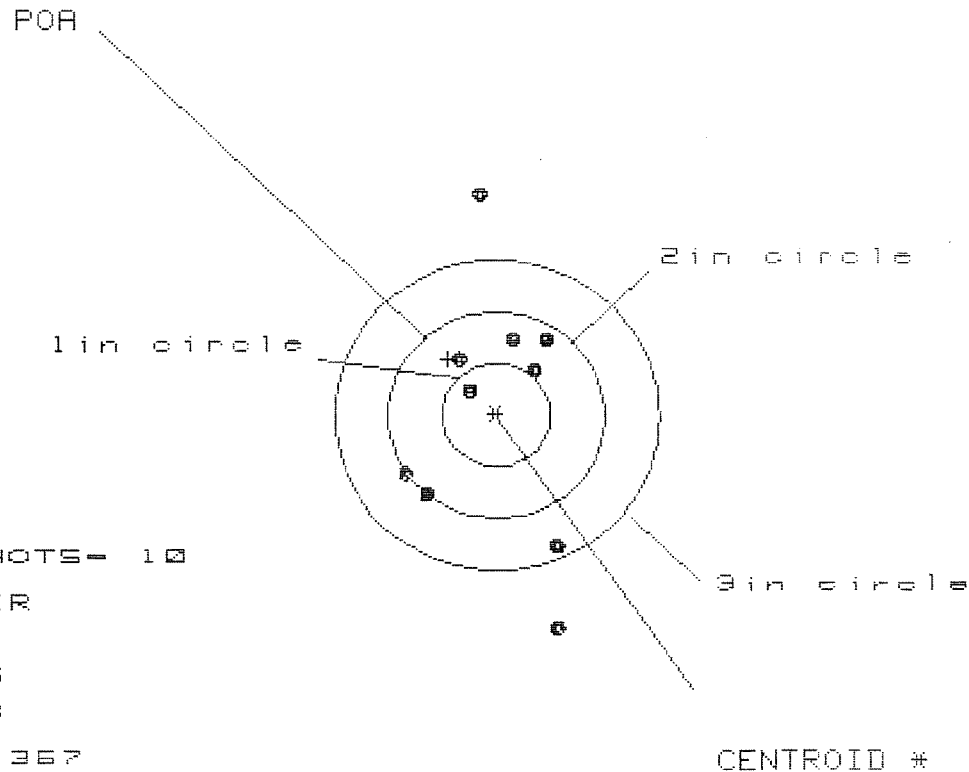
GS= 2.901

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.314	1.255	1.148
MINIMUM X	-.792	-.851	-.932
MAXIMUM Y	1.627	1.512	1.393
MINIMUM Y	-1.131	-.950	-.980
CENTROID X	.237	.296	.403
CENTROID Y	.109	-.072	.047
POA TO CENTROID in.	.261	.305	.406
MIN RADIUS	.120	.168	.061
MEAN RADIUS	1.039	.937	.884
MAX RADIUS	1.713	1.520	1.394
HORIZONTAL SPREAD	2.106	2.106	2.080
VERTICAL SPREAD	2.758	2.462	2.373
EXTREME SPREAD	2.901	2.661	2.404
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522217

CENTERFIRE PATTERNS # 4



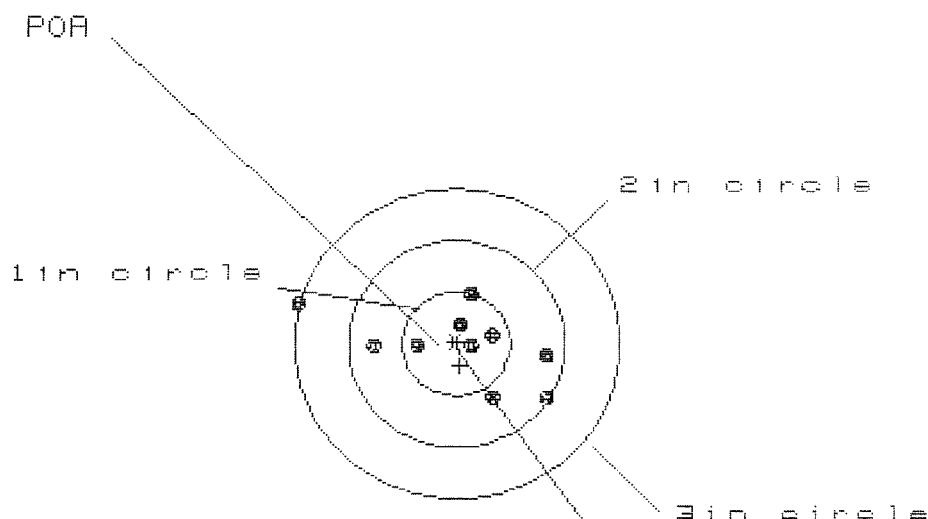
OF SHOTS- 10
 # IN CIR
 1 in = 1
 2 in = 5
 3 in = 8
 HS= 1.367
 VS= 4.152
 GS= 4.216

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.546	.578	.563
MINIMUM X	:	-.821	-.760	-.775
MAXIMUM Y	:	2.096	1.868	.757
MINIMUM Y	:	-2.055	-1.478	-1.244
CENTROID X	:	.446	.385	.400
CENTROID Y	:	-.538	-.310	-.544
POA TO CENTROID in.	:	.699	.494	.675
MIN RADIUS	:	.284	.141	.258
MEAN RADIUS	:	1.070	.894	.806
MAX RADIUS	:	2.127	1.872	1.366
HORIZONTAL SPREAD	:	1.367	1.338	1.338
VERTICAL SPREAD	:	4.152	3.346	2.001
EXTREME SPREAD	:	4.216	3.419	2.001
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522217

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 2.232

VS= 1.045

GS= 2.411

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.806	.647	.722
MINIMUM X	:	-1.426	-.898	-.817
MAXIMUM Y	:	.524	.567	.508
MINIMUM Y	:	-.521	-.478	-.528
CENTROID X	:	-.033	.126	.045
CENTROID Y	:	.212	.169	.228
POA TO CENTROID in.	:	.215	.210	.233
MIN RADIUS	:	.175	.012	.109
MEAN RADIUS	:	.619	.494	.454
MAX RADIUS	:	1.478	.898	.818
HORIZONTAL SPREAD	:	2.232	1.545	1.539
VERTICAL SPREAD	:	1.045	1.045	1.036
EXTREME SPREAD	:	2.411	1.620	1.544
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			10	




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

MODEL 700TM H24

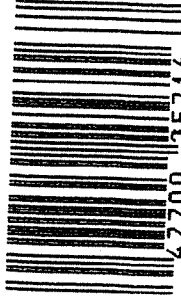
SERIAL NO. C6522217

ORDER NO. 5716

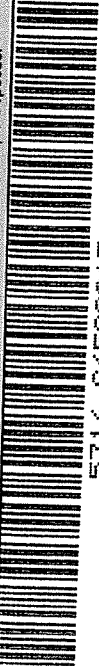
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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