

C6611593

MODEL 700TM N24

Model **S&S**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00127465

Serial: C661593 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: Closed 3/30/2007 10:36:16 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: CO C 1ST / 20TH S.F.G.

CO C 1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD

MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE

PO Box:

1505 ROOSEVELT AVENUE

PO Box:

City: SPRINGFIELD

SPRINGFIELD

State: MA

Zip Code: 01109-2438

Country: US

State: MA

Zip Code: 01109-2438

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	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
B000	DEPLOYMENT KIT	1

Repair Search

Refresh

Close

naglej

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL



11:13 AM

Serial
Number:

C661593

Model: M24 SWS



RE00127465

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611593.__0

FILE DATE AND TIME: 05/08/2007 12:37

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.039
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.683
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #2 to Centroid Target #1:	0.154
The Distance from Centroid Target #3 to Centroid Target #1:	0.221
The Distance from Centroid Target #4 to Centroid Target #1:	0.103
The Distance from Centroid Target #5 to Centroid Target #1:	0.192

SERIAL NUMBER: C6611593. __0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:37

POINT#	X	Y
1:	0.031	0.780
2:	-0.472	0.526
3:	-0.649	-0.718
4:	-0.193	-0.569
5:	-0.071	-0.471
6:	0.148	-0.497
7:	-0.059	-0.226
8:	0.179	-0.161
9:	0.480	0.154
10:	0.348	0.051

X CENTROID: -0.026

Y CENTROID: -0.113

POA TO CENTROID: 0.116

HORZ SPREAD: 1.129

VERT SPREAD: 1.498

GROUP SPREAD: 1.645

MIN RADIUS: 0.118

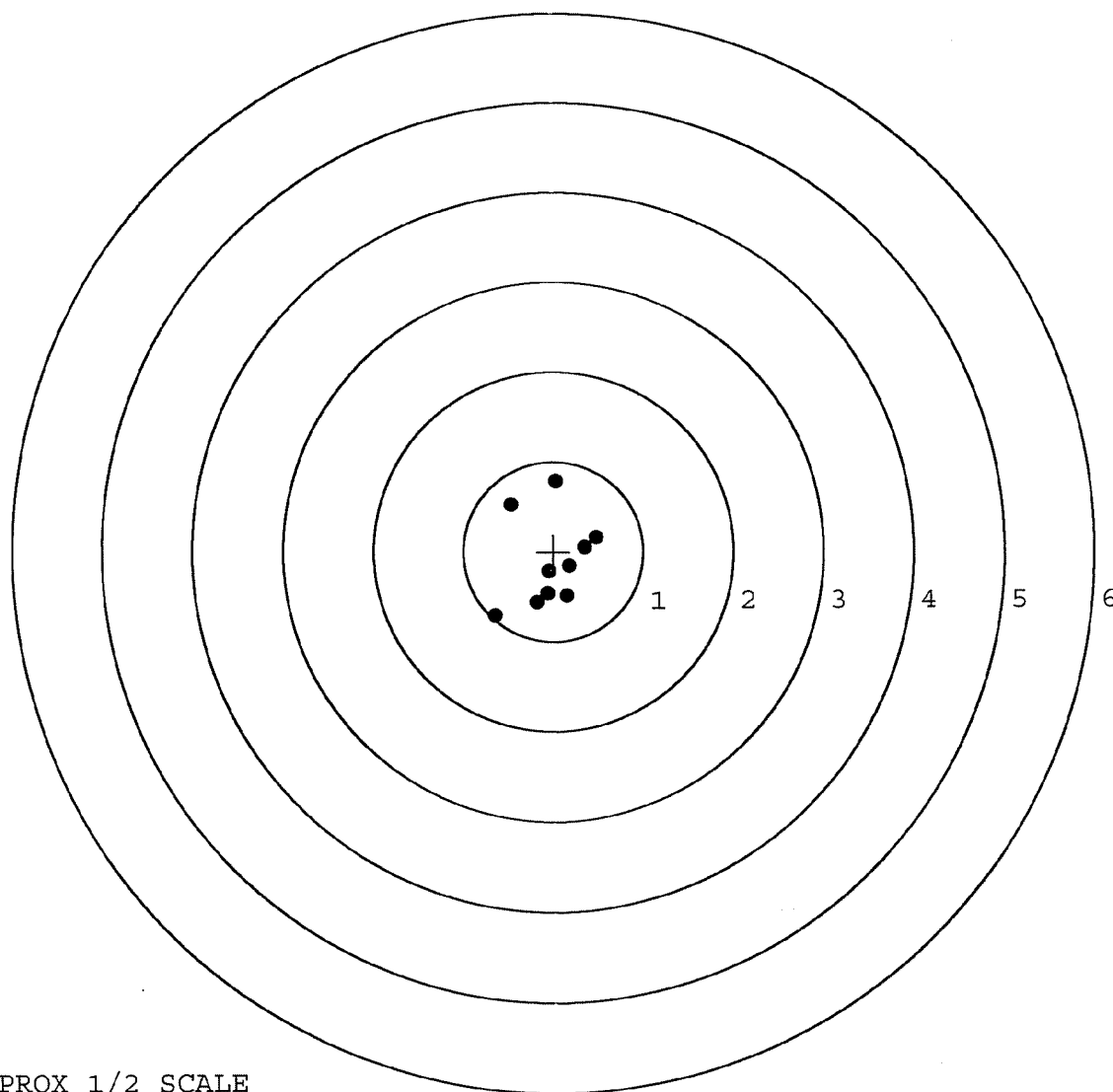
MAX RADIUS: 0.895

MEAN RADIUS: 0.512

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

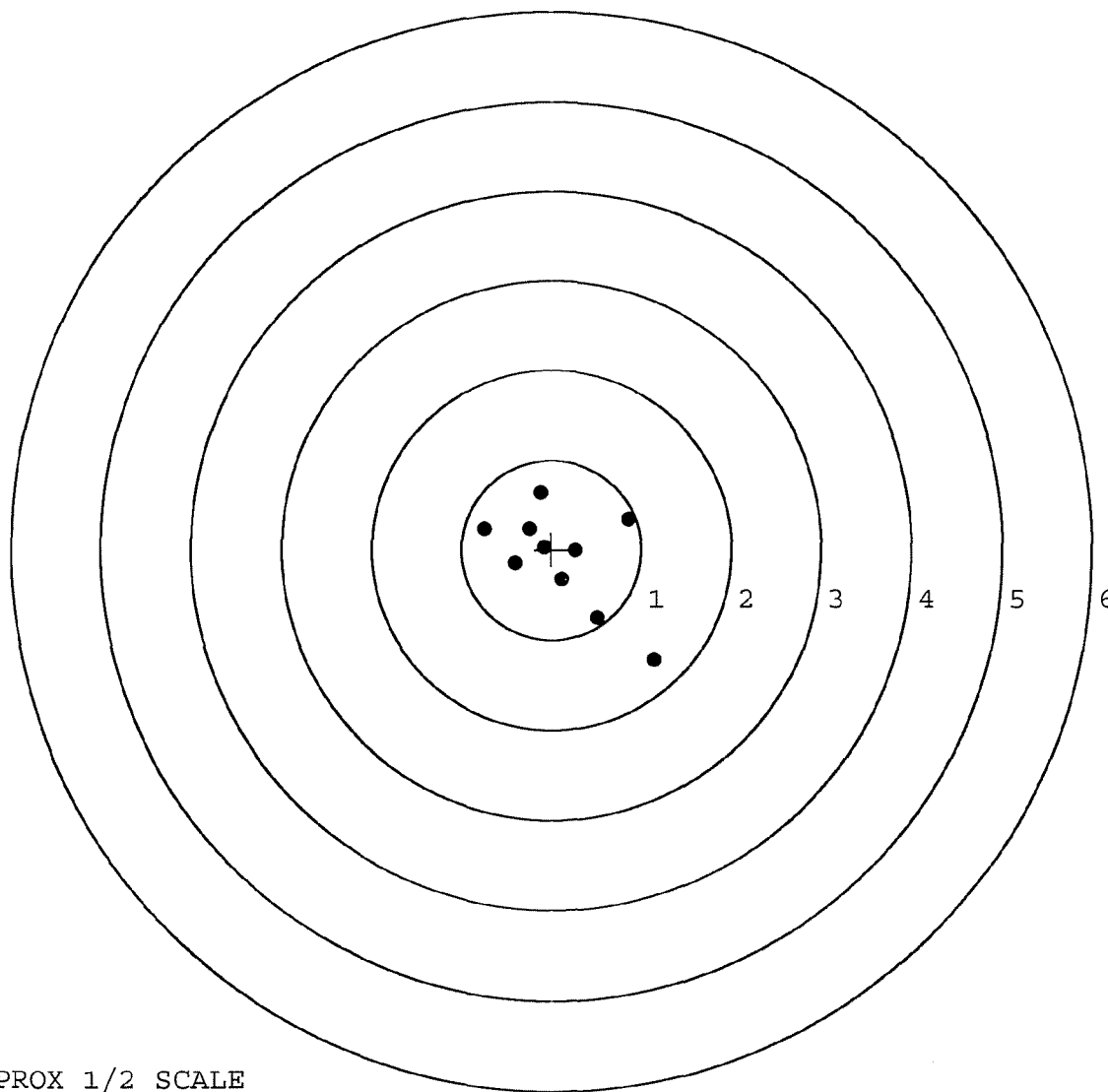


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593.___0
TARGET NUMBER: 2
FILE DATE: 05/08/2007
FILE TIME: 12:37

X CENTROID: 0.128
Y CENTROID: -0.105
POA TO CENTROID: 0.165
HORZ SPREAD: 1.891
VERT SPREAD: 1.866
GROUP SPREAD: 2.386
MIN RADIUS: 0.167
MAX RADIUS: 1.515
MEAN RADIUS: 0.654
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.144	-1.228
2:	0.510	-0.764
3:	0.854	0.339
4:	-0.124	0.638
5:	-0.747	0.227
6:	0.115	-0.340
7:	0.268	-0.014
8:	-0.250	0.233
9:	-0.084	0.021
10:	-0.405	-0.159



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. __ 0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:37

POINT#	X	Y
1:	-0.441	1.597
2:	-0.436	0.834
3:	0.681	-0.287
4:	0.562	-0.124
5:	0.506	0.049
6:	-0.107	0.167
7:	-0.226	0.498
8:	-0.616	0.197
9:	-0.837	-0.762
10:	0.196	-1.142

X CENTROID: -0.072

Y CENTROID: 0.103

POA TO CENTROID: 0.125

HORZ SPREAD: 1.518

VERT SPREAD: 2.739

GROUP SPREAD: 2.812

MIN RADIUS: 0.073

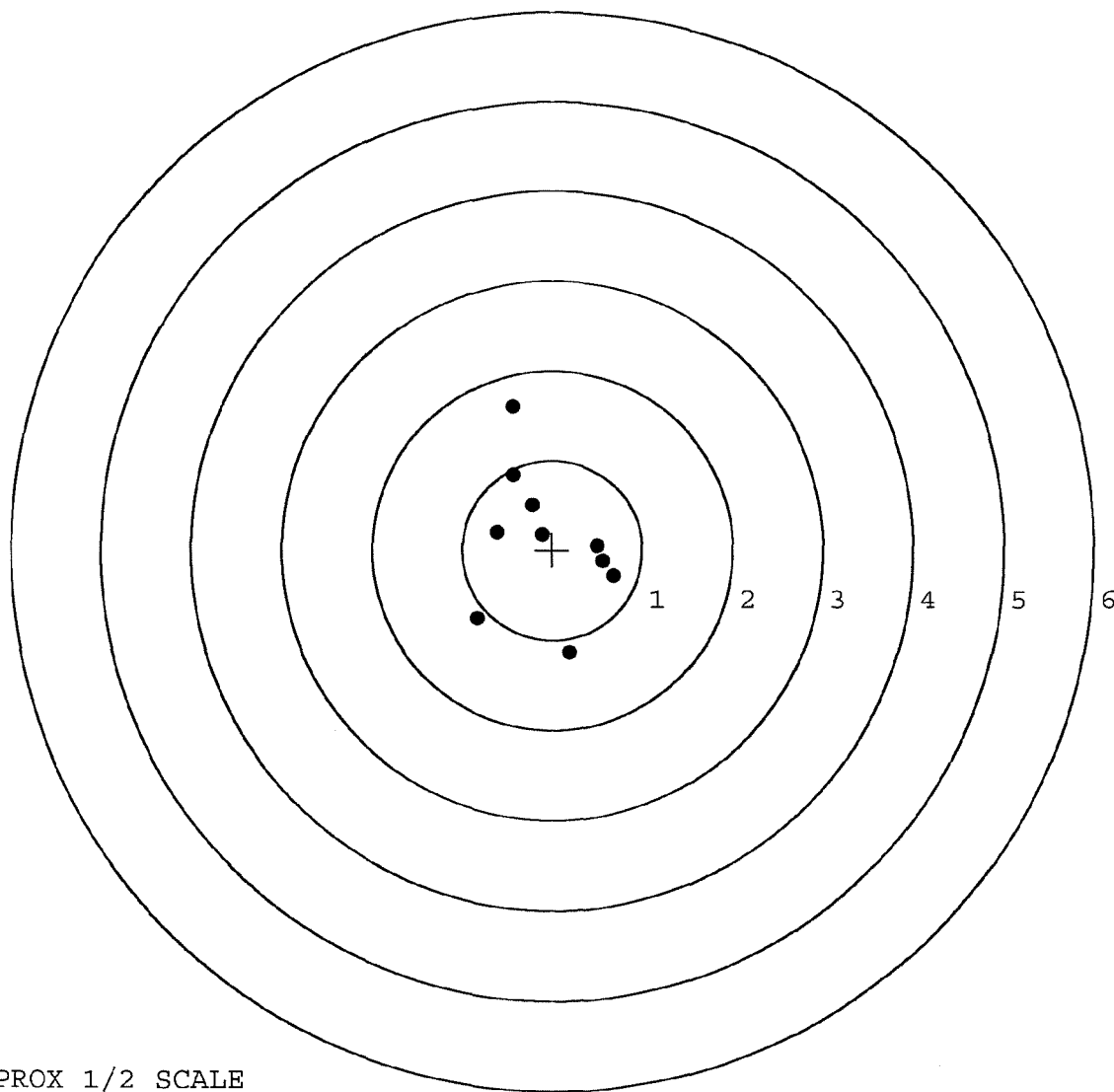
MAX RADIUS: 1.539

MEAN RADIUS: 0.794

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:37

POINT#	X	Y
1:	0.198	-1.677
2:	0.001	-0.536
3:	-0.511	-0.316
4:	-0.373	0.006
5:	-0.297	0.522
6:	0.085	0.358
7:	0.508	-0.268
8:	0.457	0.266
9:	0.200	0.110
10:	0.412	-0.030

X CENTROID: 0.068

Y CENTROID: -0.157

POA TO CENTROID: 0.171

HORZ SPREAD: 1.019

VERT SPREAD: 2.199

GROUP SPREAD: 2.254

MIN RADIUS: 0.297

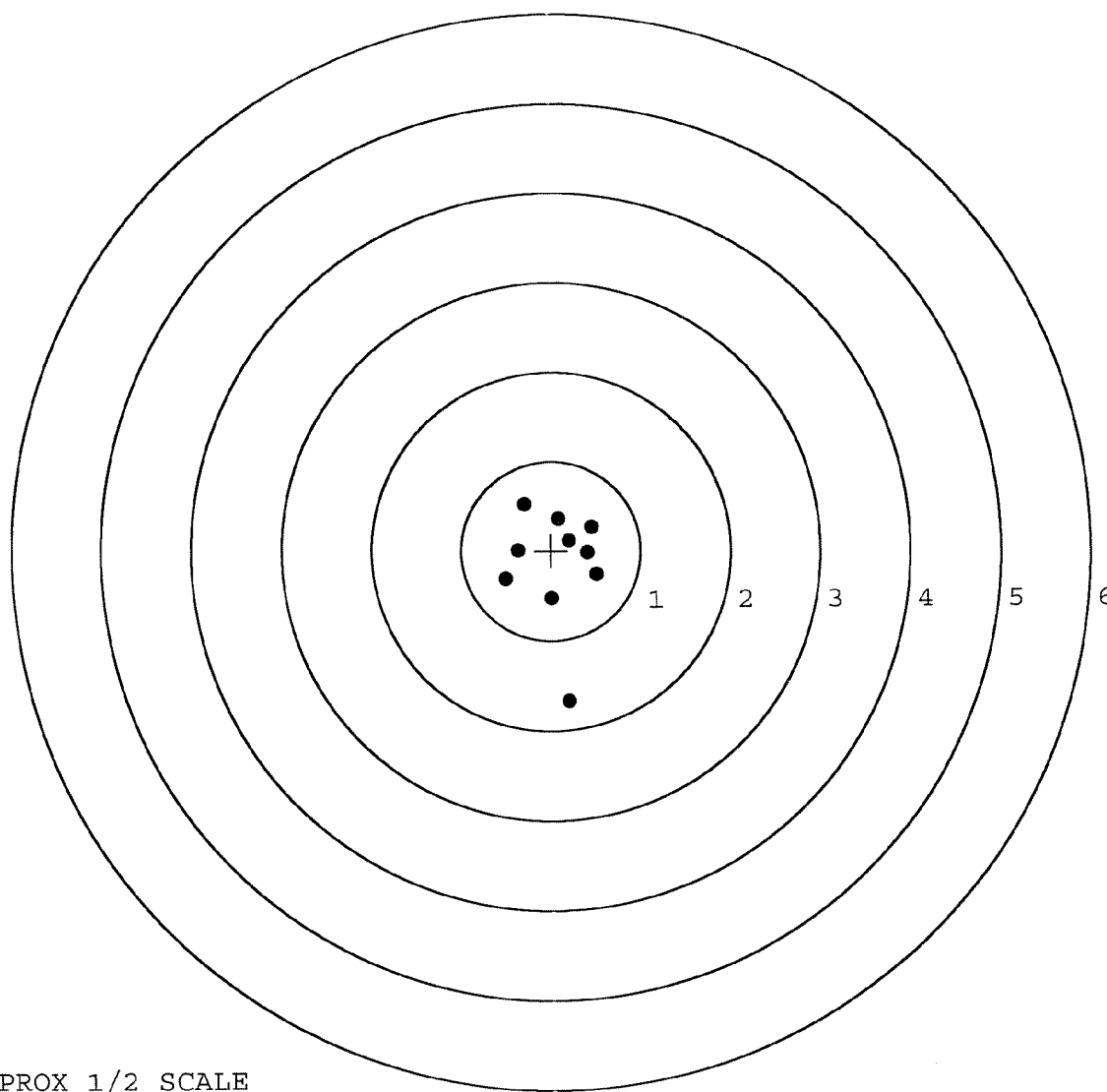
MAX RADIUS: 1.526

MEAN RADIUS: 0.596

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611593. 0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:37

X CENTROID: -0.002

Y CENTROID: 0.077

POA TO CENTROID: 0.077

HORZ SPREAD: 1.696

VERT SPREAD: 2.590

GROUP SPREAD: 2.865

MIN RADIUS: 0.254

MAX RADIUS: 1.476

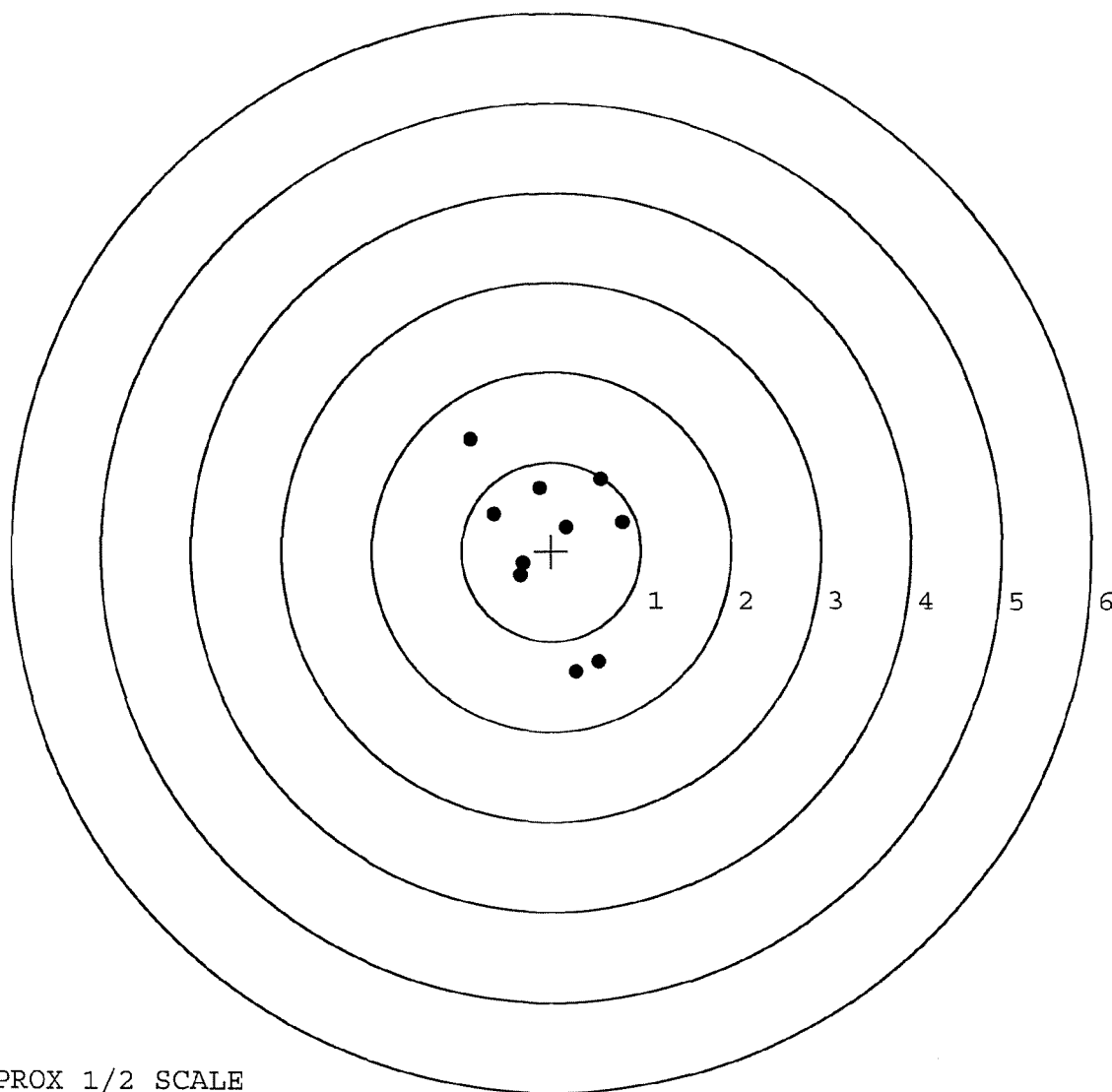
MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

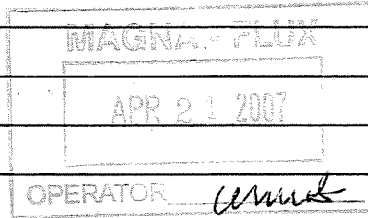
POINT#	X	Y
1:	0.532	-1.233
2:	0.277	-1.343
3:	-0.341	-0.275
4:	-0.319	-0.146
5:	0.162	0.271
6:	0.793	0.322
7:	0.551	0.807
8:	-0.135	0.713
9:	-0.642	0.411
10:	-0.903	1.247



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	127465		
SERIAL NUMBER	C6611593		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/24/07	unint
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	CB
620	APPLY COATINGS	4/27/07	W
625	FINAL ASSEMBLY	5-4-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	5/7/07 non
650	TARGET	(PASS) FAIL	5/7/07 non
	MALFUNCTION	CORRECTION	5-14-07 RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5-14-07	RTZ
	A) HEADSPACE	(PASS) FAIL	5-14-07 RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.70 2.53 2.45 2.48 2.38 5-9-07	TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 6.0 5.5 5.5 5-9-07	TRW
	G) SAFETY OFF FORCE	2 LBS MIN 2.5 2.5 2.5 5-9-07	TRW
	I) FIRING PIN INDENT	.020 .024 .024 .024 5-9-07	TRW
690	PACK	5-14-07	RTZ



Remington



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

MODEL 700TH M24

SERIAL NO.
C6611593

ORDER NO.
5716

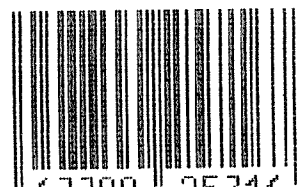
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

20



5716 C6611593

UPC



0 47700 25716 7

MOD. _____ GA. CAL. _____ GUN # 1593

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
NF	2/6	Ejector Sticks	RW
	2nd		
	3/11 1/91	Polish Ejector + Rear Ejector hole 100 Rd Needed	RW
	3rd		
	3-11-91	100 Rd test OK	DA
	4th		

FUNCTION

RD 6654

Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100 Test OK DH 3-11-91	
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611593

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	91	RW
600	Proof	1 25	91	RW
607	Check Headspace	1 25	91	RW
610	Dis-assemble Gun	1 25	91	RW
612	Magnaflux Barrel Action			KR
	Magnaflux Bolt	1 25	91	KR
615	Rollmark Caliber	1 25	91	ELG
617	Drill and Tap Sight Holes	1 30	91	FB
618	Polish Barrel RBB	1 30	91	W.B.
620	Apply Coatings (Barrel Action)		2-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	RW
	C) Inspect Ejector Hole for Chamfer		2/18/91	RW
	D) Oil Firing Pin Ass'y		2/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/18/91	RM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/18/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			2/18/91	WB
	H) Trigger Pull Test & Retainability						2-18-91	JK
	I) Firing Pin Indent	.021	.0207	.021			2-18-91	WB
	J) Assemble Stock						3/6/91	RW
	K) Assemble Swivel Studs						3-11-91	DH
	L) Attach Front and Rear Sight Assemblies						3/6/91	RW
	M) Iron Sight Alignment						3/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/6/91	RW
	O) Attach Scope to Rifle						3/6/91	RW
	P) Detach & Attach Scope 20 Times						3/6/91	RW
640	Gallery Target & Test						3-6-91	AF
	A) Time							AF
	B) Malfunctions							AF
	C) Pierced Primers							AF
	D) Optical Clarity of Scope							AF
645	Inspect for Live Ammo						3-6-91	AF
655	Final Inspection							
	A) Headspace						3/11/91	JK
	B) Trigger Pull	2.40	2.33	2.12	2.21	2.19	3/11/91	JK
	C) Function						3/11/91	JK
660	Pack						3-20-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611593

DATE 2/18/91

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.49	2.43	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.52	2.40	2.33	
PULL #3	2.36	2.38	2.39	2.18	
PULL #4	2.35	2.53	2.41	2.21	
PULL #5	2.24	2.47	2.39	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.31		
PULL #2	3.44	3.26		
PULL #3	3.49	3.20		
PULL #4	3.39	3.19		
PULL #5	3.35	3.19		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.52		4.36
PULL #2	4.47	4.39		4.41
PULL #3	4.48	4.36		4.47
PULL #4	4.42	4.42		4.53
PULL #5	4.21	4.47		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611593
7 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.162985
1 TO	2	.495362
1 TO	3	.201804
1 TO	4	.207711
1 TO	5	.37143

2⁵ <----POA

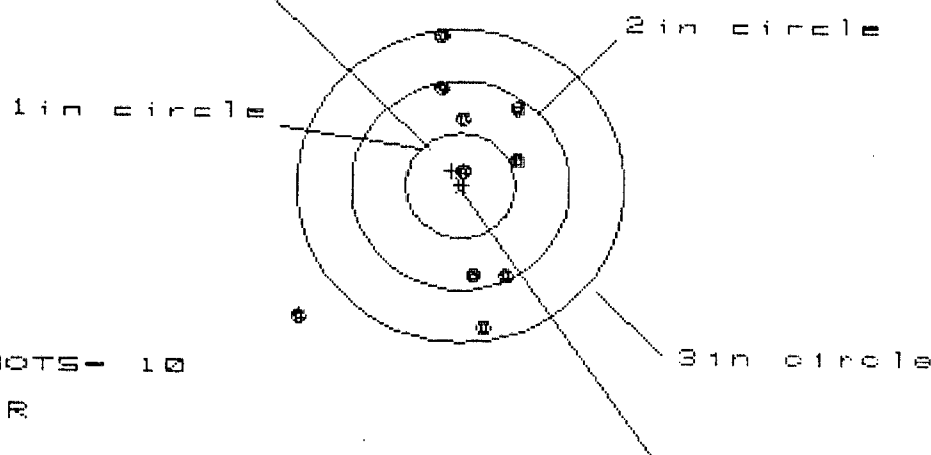
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1232
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.017
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .124367
THE AMP FOR THIS RIFLE IS: 1.013

8 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611593

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.084

VS= 2.805

GS= 2.979

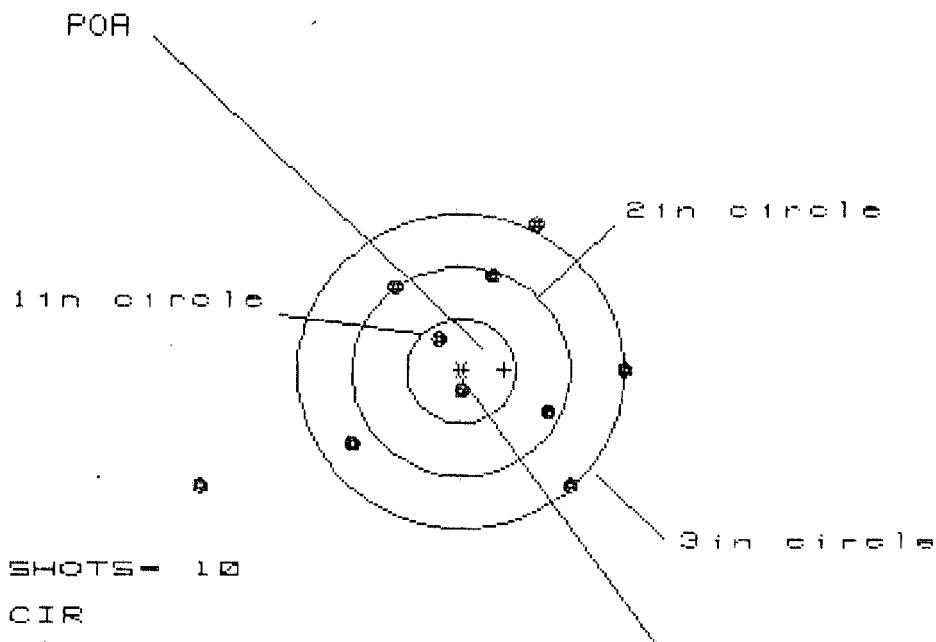
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.565	.396	.353
MINIMUM X	:	-1.519	-.349	-.349
MAXIMUM Y	:	1.436	1.300	1.007
MINIMUM Y	:	-1.369	-1.505	-1.343
CENTROID X	:	.080	.249	.292
CENTROID Y	:	-.142	-.006	-.168
POA TO CENTROID in.	:	.163	.249	.337
MIN RADIUS	:	.171	.124	.251
MEAN RADIUS	:	.990	.833	.789
MAX RADIUS	:	1.951	1.505	1.343
HORIZONTAL SPREAD	:	2.084	.745	.702
VERTICAL SPREAD	:	2.805	2.805	2.350
EXTREME SPREAD	:	2.979	2.828	2.371
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611593

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.860

VS= 2.551

GS= 4.007

CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.479	1.215	1.270
MINIMUM X	:	-2.381	-1.281	-1.226
MAXIMUM Y	:	1.446	1.327	.952
MINIMUM Y	:	-1.105	-1.224	-1.058
CENTROID X	:	-.398	-.134	-.189
CENTROID Y	:	-.012	.107	-.059
POA TO CENTROID in.	:	.398	.171	.198
MIN RADIUS	:	.218	.456	.306
MEAN RADIUS	:	1.182	1.013	.951
MAX RADIUS	:	2.609	1.516	1.385
HORIZONTAL SPREAD	:	3.860	2.496	2.496
VERTICAL SPREAD	:	2.551	2.551	2.010
EXTREME SPREAD	:	4.007	2.744	2.592
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611593

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.233

VS= 2.061

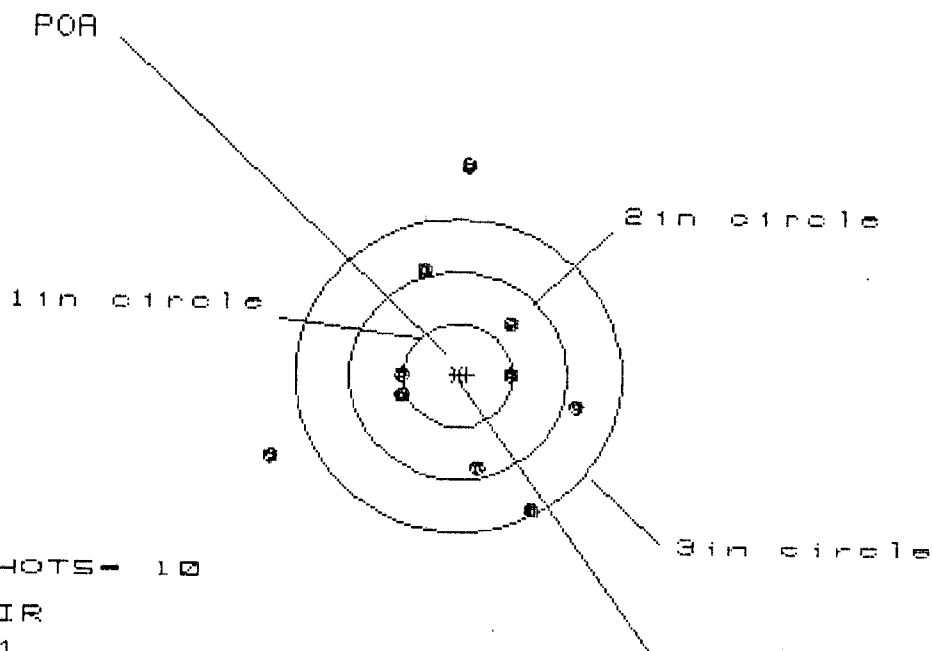
GS= 2.945

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.946	.803	.892
MINIMUM X	:	-1.287	-.793	-.704
MAXIMUM Y	:	.891	.765	.659
MINIMUM Y	:	-1.170	-1.296	-1.200
CENTROID X	:	-.118	.025	-.064
CENTROID Y	:	-.103	.023	-.072
POA TO CENTROID in.	:	.157	.034	.097
MIN RADIUS	:	.286	.368	.324
MEAN RADIUS	:	.871	.758	.720
MAX RADIUS	:	1.714	1.319	1.211
HORIZONTAL SPREAD	:	2.233	1.596	1.596
VERTICAL SPREAD	:	2.061	2.061	1.860
EXTREME SPREAD	:	2.945	2.272	1.989
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611593

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.715

VS= 3.219

GS= 3.289

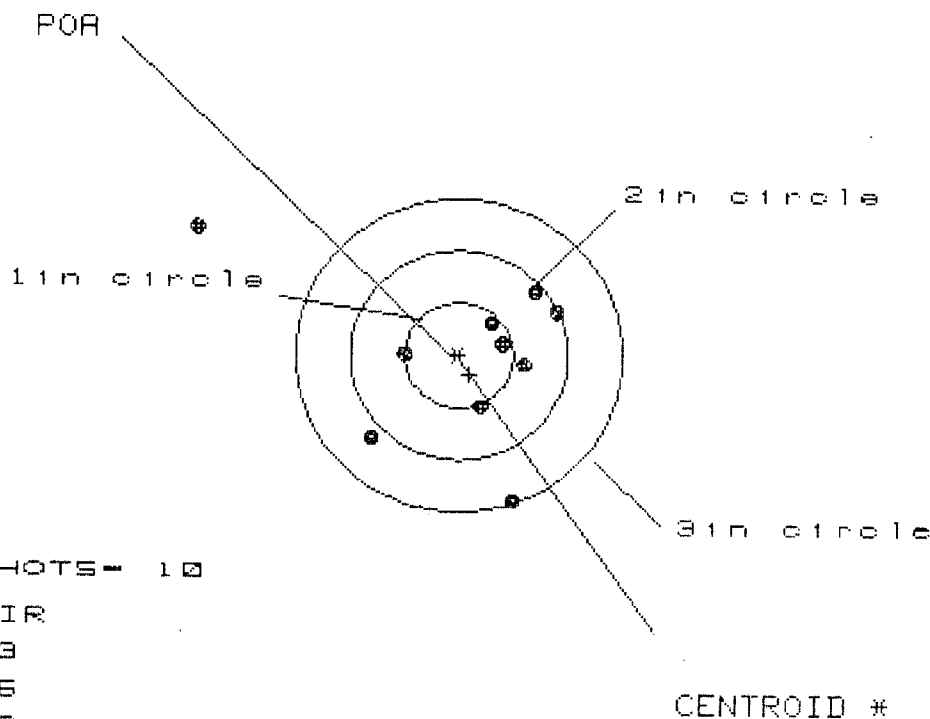
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.046	1.052	.844
MINIMUM X	:	-1.668	-1.663	-.740
MAXIMUM Y	:	1.972	1.246	1.176
MINIMUM Y	:	-1.246	-1.027	-1.097
CENTROID X	:	-.082	-.087	.121
CENTROID Y	:	-.012	-.232	-.162
POA TO CENTROID in.	:	.082	.248	.202
MIN RADIUS	:	.487	.470	.311
MEAN RADIUS	:	1.062	.949	.824
MAX RADIUS	:	1.973	1.753	1.292
HORIZONTAL SPREAD	:	2.715	2.715	1.584
VERTICAL SPREAD	:	3.219	2.273	2.273
EXTREME SPREAD	:	3.289	2.753	2.506
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611593

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 3.301

VS= 2.577

GS= 3.877

PATTERN #	15	16	17
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.943	.681	.715
MINIMUM X	-2.358	-1.018	-.984
MAXIMUM Y	1.226	.787	.635
MINIMUM Y	-1.351	-1.214	-.773
CENTROID X	-.098	.164	.130
CENTROID Y	.184	.047	.199
POA TO CENTROID in.	.208	.171	.238
MIN RADIUS	.425	.306	.233
MEAN RADIUS	.959	.712	.620
MAX RADIUS	2.658	1.245	1.251
HORIZONTAL SPREAD	3.301	1.699	1.699
VERTICAL SPREAD	2.577	2.001	1.408
EXTREME SPREAD	3.877	2.039	2.039
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		