

C6611538

MODEL 700™ M24

Model S&S™

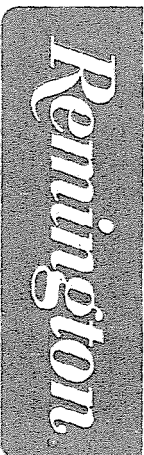
Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



M2400078481

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair InquiryRepair Number: **RE00138953**Serial: C6611523 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Verify Repair

Status:

Closed 1/2/2008 11:04:37 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received FromName: **CAMP ROBERTS MATES (EDS)****CAMP ROBERTS MATES (EDS)**Address 1: **ATTN: CW3 KEISTER****ATTN: CW3 KEISTER**Address 2: **EAST GARRISON, BLDG 25021**

PO Box:

EAST GARRISON, BLDG 25021

PO Box:

City: **SAN MIGUEL****SAN MIGUEL**State: **CA**Zip Code: **93451**

Country:

State: **CA**Zip Code: **93451**

Country:

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact InformationPhone: **NN**

Fax:

Email:

Comments:

Received Condition**Fair**Condition
Notes:CSR
Notes:**Accessories Received**

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search**Refresh****Close**

nagletj

1/3/2008

2:00 PM

CAPS

NUM

INS

SCRL

start

5 Micros...

camp vict...

Microsoft ...

Arms Ser...

Part Sear...

2:00 PM

Serial Number:

C6611523Model: **M24 SWS****RE00138953**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611538.___0
FILE DATE AND TIME: 02/01/2008 09:28

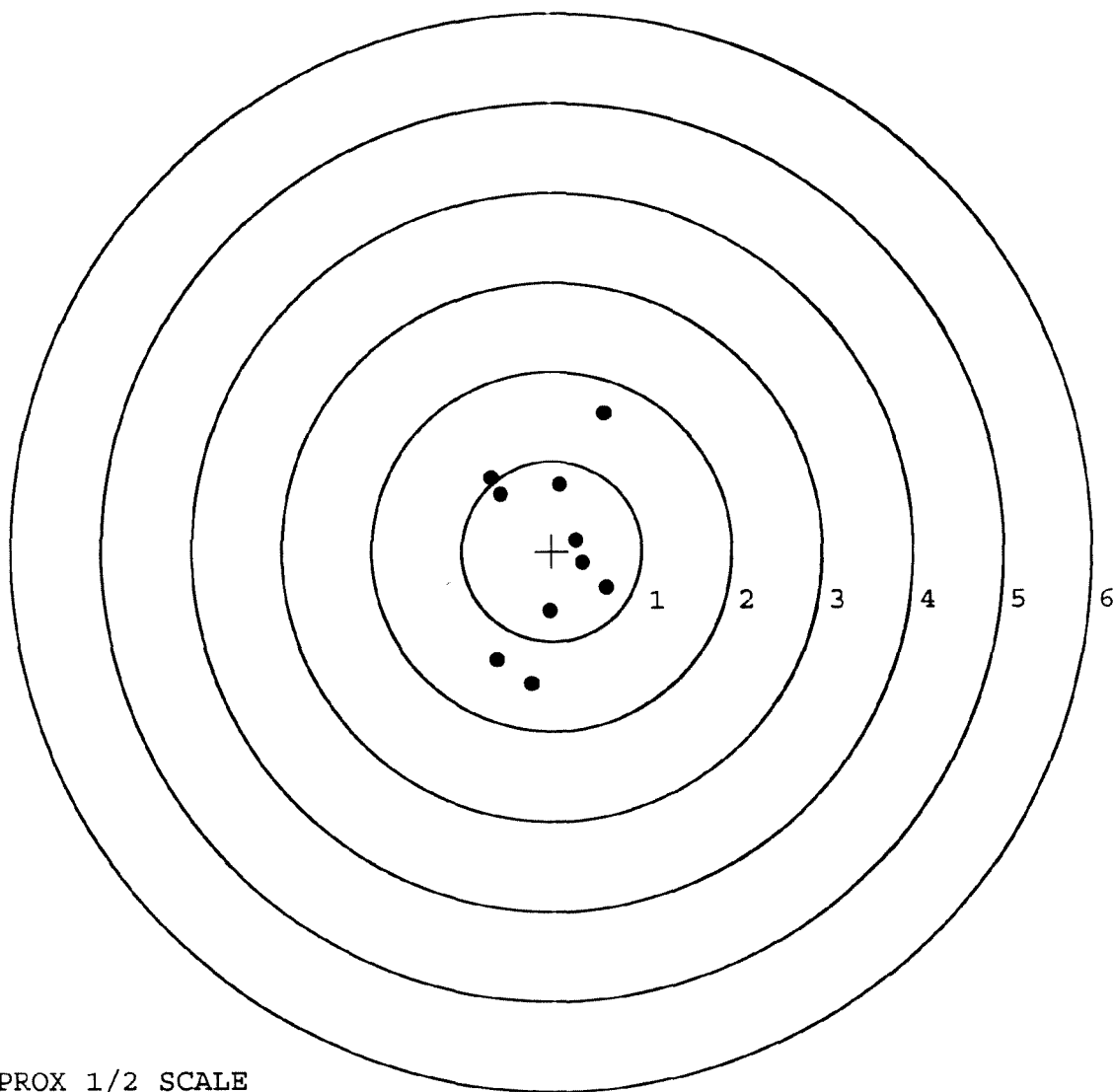
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.011
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.012
The Average Mean Radius of the Five Target Set:	0.643
The Distance from POA to Centroid Target #1:	0.025
The Distance from Centroid Target #2 to Centroid Target #1:	0.083
The Distance from Centroid Target #3 to Centroid Target #1:	0.082
The Distance from Centroid Target #4 to Centroid Target #1:	0.094
The Distance from Centroid Target #5 to Centroid Target #1:	0.145

SERIAL NUMBER: C6611538. 0
TARGET NUMBER: 1
FILE DATE: 02/01/2008
FILE TIME: 09:28

X CENTROID: -0.024
Y CENTROID: -0.007
POA TO CENTROID: 0.025
HORZ SPREAD: 1.276
VERT SPREAD: 3.011
GROUP SPREAD: 3.121
MIN RADIUS: 0.315
MAX RADIUS: 1.650
MEAN RADIUS: 0.923
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.583	1.527
2:	-0.673	0.815
3:	-0.568	0.630
4:	0.088	0.736
5:	0.263	0.122
6:	0.346	-0.128
7:	0.603	-0.409
8:	-0.027	-0.673
9:	-0.615	-1.211
10:	-0.238	-1.484



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611538. __ 0

TARGET NUMBER: 2

FILE DATE: 02/01/2008

FILE TIME: 09:28

POINT#	X	Y
1:	0.550	1.333
2:	-0.996	0.331
3:	-0.114	-1.068
4:	-0.260	0.350
5:	0.597	-0.039
6:	-0.371	-0.137
7:	-0.230	-0.195
8:	0.336	-0.112
9:	0.033	0.267
10:	0.023	-0.003

X CENTROID: -0.043

Y CENTROID: 0.073

POA TO CENTROID: 0.085

HORZ SPREAD: 1.593

VERT SPREAD: 2.401

GROUP SPREAD: 2.491

MIN RADIUS: 0.101

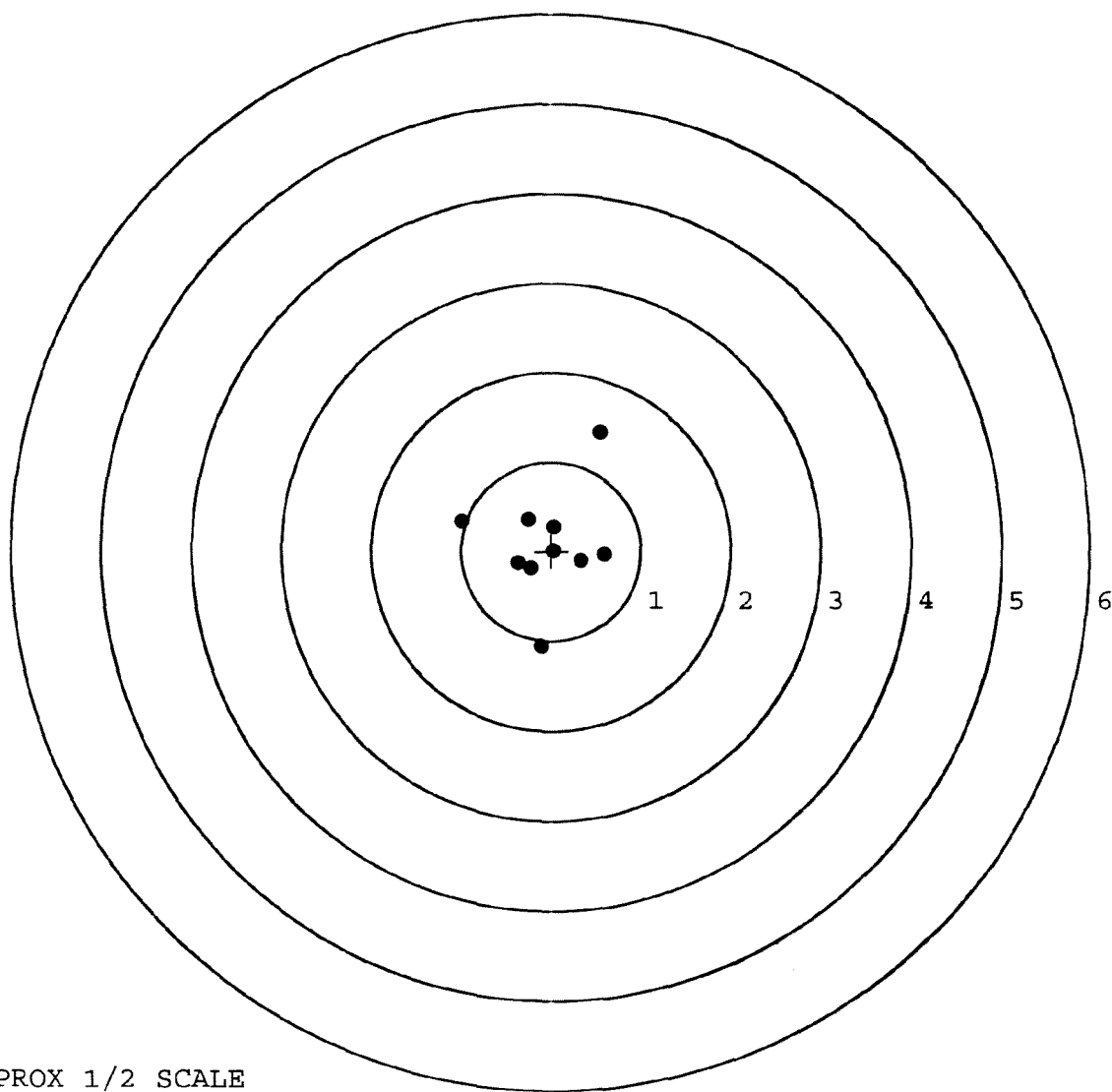
MAX RADIUS: 1.393

MEAN RADIUS: 0.597

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611538. 0

TARGET NUMBER: 3

FILE DATE: 02/01/2008

FILE TIME: 09:28

POINT#	X	Y
1:	-0.196	-0.562
2:	0.221	-0.945
3:	0.739	-0.099
4:	0.179	0.456
5:	0.356	0.125
6:	0.077	-0.022
7:	-0.287	0.248
8:	-0.475	0.085
9:	-0.368	-0.205
10:	-0.234	0.061

X CENTROID: 0.001

Y CENTROID: -0.086

POA TO CENTROID: 0.086

HORZ SPREAD: 1.214

VERT SPREAD: 1.401

GROUP SPREAD: 1.402

MIN RADIUS: 0.099

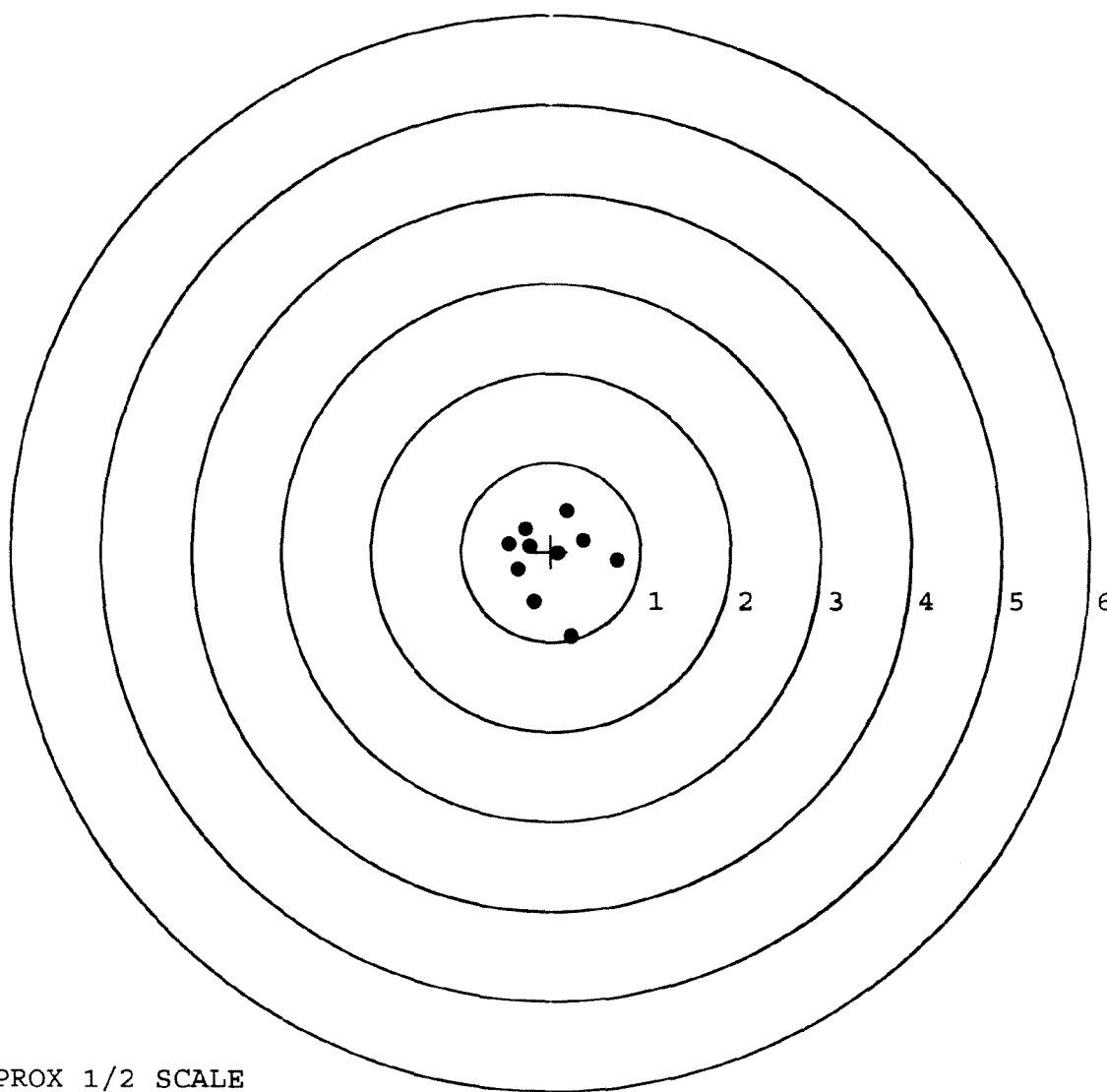
MAX RADIUS: 0.887

MEAN RADIUS: 0.483

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

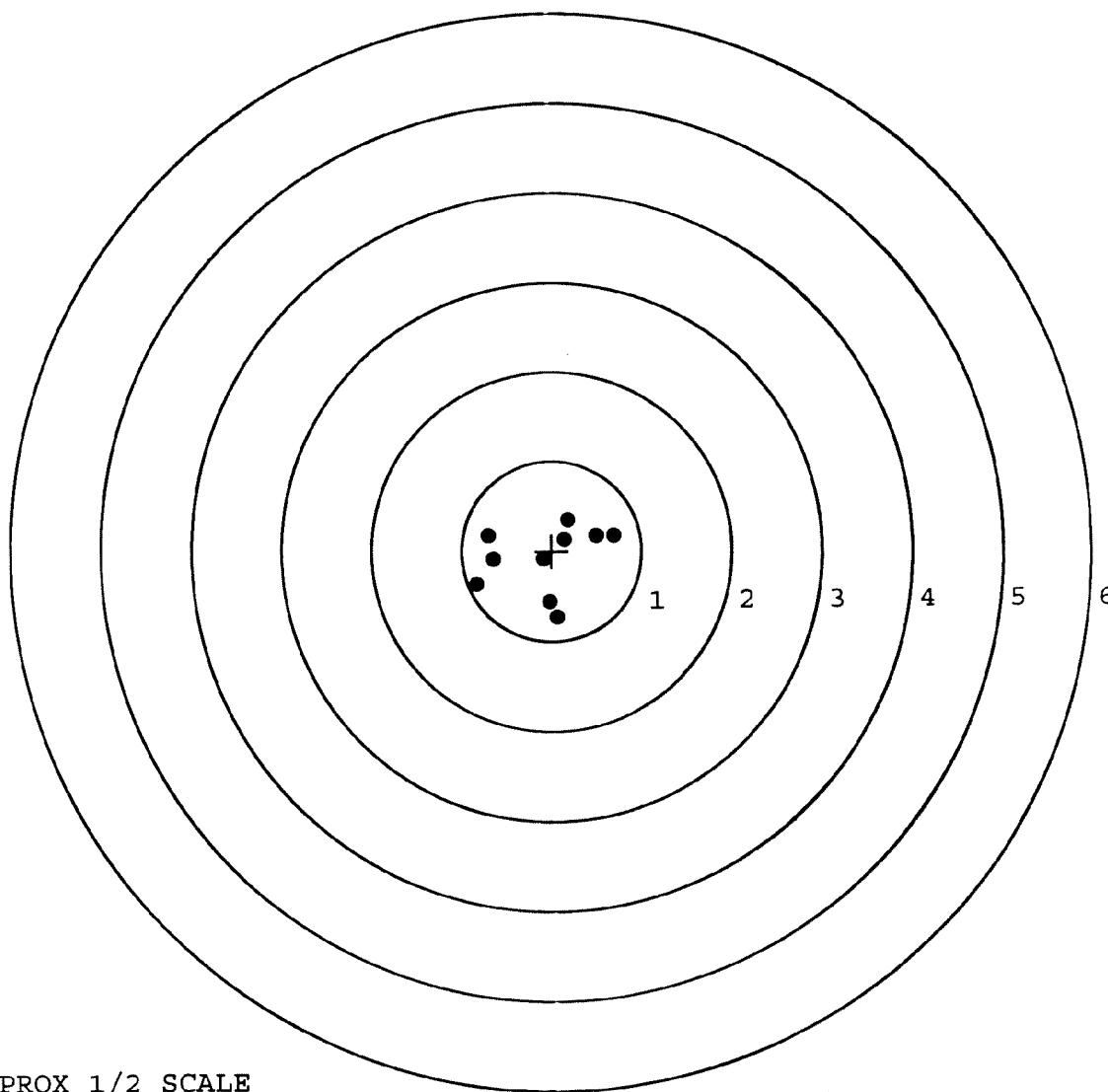


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611538. 0
TARGET NUMBER: 4
FILE DATE: 02/01/2008
FILE TIME: 09:28

X CENTROID: -0.075
Y CENTROID: -0.086
POA TO CENTROID: 0.114
HORZ SPREAD: 1.530
VERT SPREAD: 1.083
GROUP SPREAD: 1.620
MIN RADIUS: 0.026
MAX RADIUS: 0.813
MEAN RADIUS: 0.548
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.701	0.179
2:	-0.651	-0.090
3:	-0.840	-0.361
4:	-0.028	-0.565
5:	-0.100	-0.093
6:	0.690	0.170
7:	0.498	0.170
8:	0.184	0.344
9:	0.140	0.123
10:	0.057	-0.739

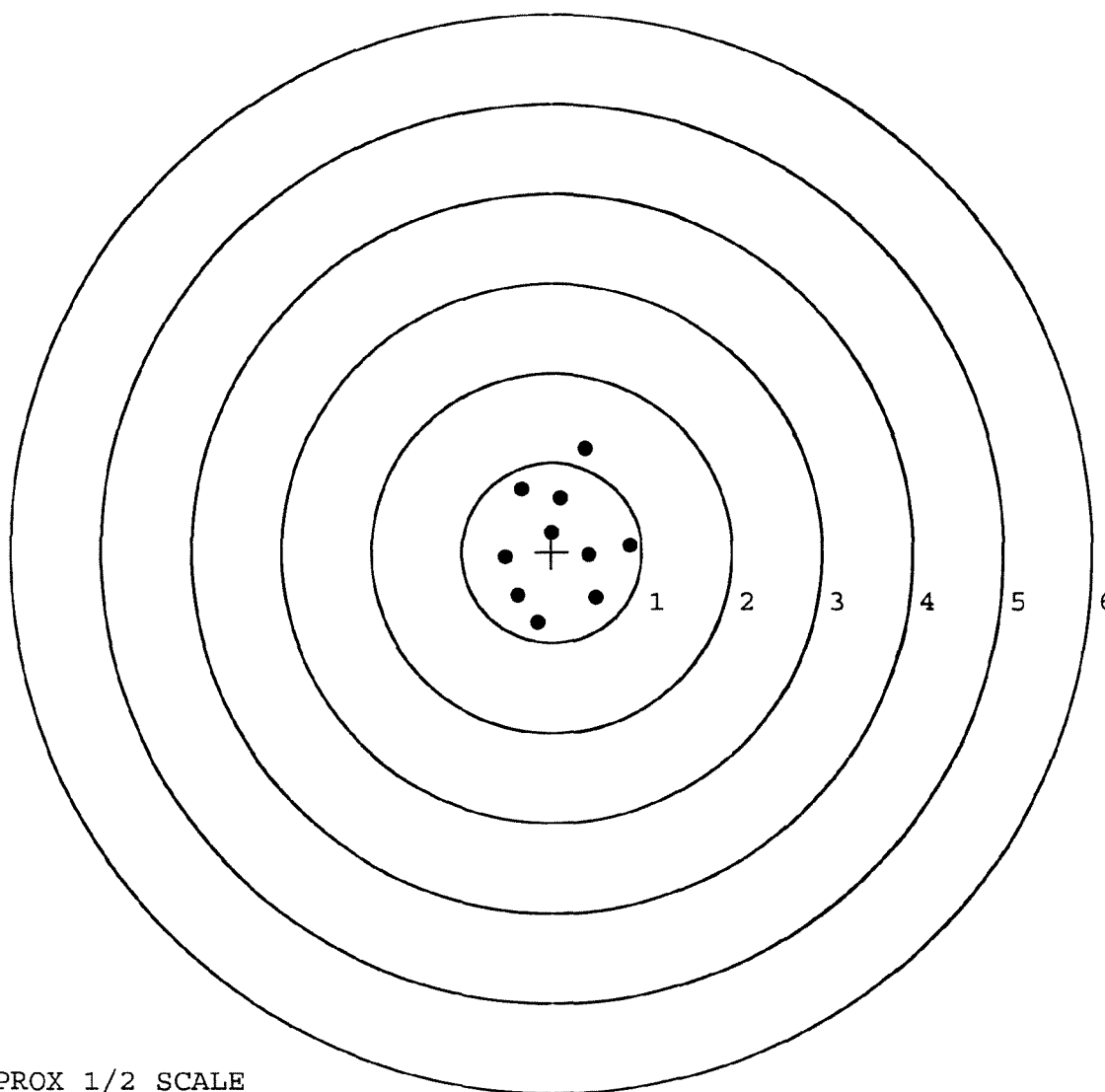


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611538. 0
TARGET NUMBER: 5
FILE DATE: 02/01/2008
FILE TIME: 09:28

X CENTROID: 0.084
Y CENTROID: 0.089
POA TO CENTROID: 0.123
HORZ SPREAD: 1.390
VERT SPREAD: 1.941
GROUP SPREAD: 2.015
MIN RADIUS: 0.156
MAX RADIUS: 1.107
MEAN RADIUS: 0.665
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.377	1.157
2:	-0.335	0.704
3:	0.094	0.604
4:	0.871	0.075
5:	0.490	-0.506
6:	0.416	-0.032
7:	-0.006	0.217
8:	-0.519	-0.060
9:	-0.381	-0.482
10:	-0.165	-0.784

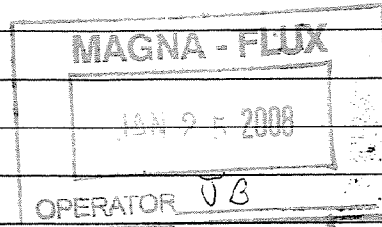


TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>138953</u>			
SERIAL NUMBER <u>C661538</u>			
LOG-IN DATE <u>1-2-08</u>			

OPERATION #	OPERATION NAME		DATE	INITIALS
500	DIS-ASSEMBLE GUN		1-21-08	RTZ
505	RE-BARREL		1-24-08	RP
560	ASSEMBLE		1-24-08	RP
600	PROOF		1-24-08	TRW
605	CHECK HEADSPACE		1-24-08	TRW
610	DIS-ASSEMBLE GUN		1-24-08	RP
612	MAGNAFLUX		1-25-08	JB
510	DRILL AND TAP		1-25-08	TRW
615	ROLLMARK CALIBER		1-25-08	CW
618	ROTO-BLAST		1-25-08	DB
620	APPLY COATINGS		1-29-08	CM
625	FINAL ASSEMBLY		1-30-08	SPD
640	FUNCTION TEST AND	PASS FAIL	1-31-08	TRW
650	TARGET	PASS FAIL	1-31-08	TRW
	MALFUNCTION <i>26 clicks right</i>	CORRECTION <i>OK</i>	2-5-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		1-31-08	RP
	A) HEADSPACE	PASS FAIL	2-5-08	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.66 2.74 2.80 2.78 2.80 2.508	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	40 40 4.25 2.5-08	DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.75 2.75 3.0 2.5-08	DA
	I) FIRING PIN INDENT	.020	1.024 1.023 1.024 2.5-08	DA
690	PACK		2.705	DA



N/A

Remington[®]

MODEL 700TM M24

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

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

SERIAL NO.
C6611538

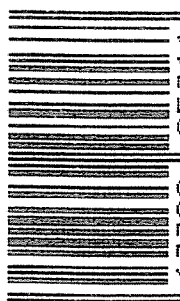
ORDER NO.
5716

46

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



LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611538

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	2 1	91	RW
600	Proof	2 1	91	RW
607	Check Headspace	2 1	91	RW
610	Dis-assemble Gun	2 1	91	RW
612	Magnaflux Barrel Action	2 1 1	91	Ked
	Magnaflux Bolt	2 1 1	91	Ked
615	Rollmark Caliber	2 1 1	91	ES
617	Drill and Tap Sight Holes	2 1 3	91	FB
618	Polish Barrel RBB	2 1 3	91	WB
620	Apply Coatings (Barrel Action)		3/25/91	WB
	Apply Coating (Bolt)			WB
625	Final Assembly A) Clean inside of Bolt Assembly		3/25/91	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/25/91	WB
	C) Inspect Ejector Hole for Chamfer		3/25/91	WB
	D) Oil Firing Pin Ass'y		3/25/91	WB
	E) Adjust Trigger Pull to Min Setting and Stake		4/2/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/5/91	RL
	G) Safety Off Force	3	3	3			4/5/91	RL
	H) Trigger Pull Test & Retainability						4/2/91	RL
	I) Firing Pin Indent	023	023	023			4/5/91	RL
	J) Assemble Stock						4/8/91	RW
	K) Assemble Swivel Studs						4-17-91	A
	L) Attach Front and Rear Sight Assemblies						4/8/91	RW
	M) Iron Sight Alignment						4/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/8/91	RW
	O) Attach Scope to Rifle						4/8/91	RW
	P) Detach & Attach Scope 20 Times						4/8/91	RW
640	Gallery Target & Test						4-9-91	DH
	A) Time						4-9-91	DH
	B) Malfunctions						4-9-91	DH
	C) Pierced Primers						4-9-91	DH
	D) Optical Clarity of Scope						4-9-91	DH
645	Inspect for Live Ammo						4-9-91	DH
655	Final Inspection							
	A) Headspace						4-17-91	A
	B) Trigger Pull	2.33	2.19	2.19	2.25	2.24	4/16/91	RL
	C) Function						4-17-91	AC
660	Pack						6-18-91	NS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6611538
DATE 4/2/91
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.49	2.32	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.37	2.32	2.19	
PULL #3	2.33	2.49	2.35	2.19	
PULL #4	2.46	2.45	2.37	2.25	
PULL #5	2.50	2.51	2.36	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.32		
PULL #2	3.40	3.29		
PULL #3	3.53	3.18		
PULL #4	3.54	3.31		
PULL #5	3.31	3.29		
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	4.22		4.49
PULL #2	4.22	4.36		4.41
PULL #3	4.18	4.37		4.43
PULL #4	4.21	4.36		4.43
PULL #5	4.42	4.40		4.43
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611538
9 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.208038
1 TO	2	.348432
1 TO	3	.115676
1 TO	4	.0663702
1 TO	5	.267726

$\frac{1}{2}$ <----POA

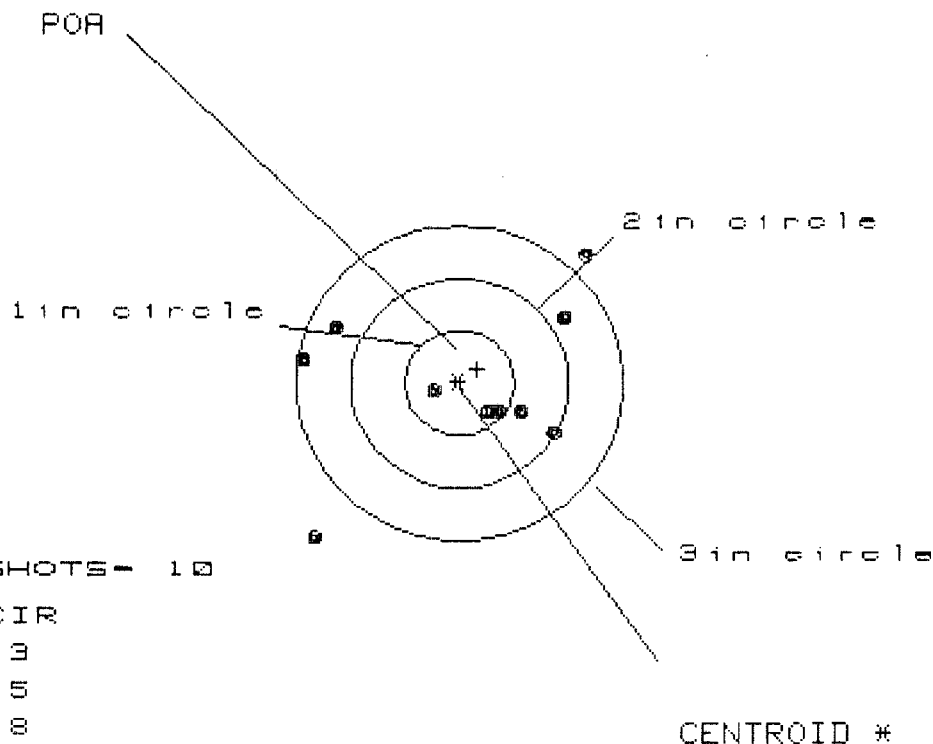
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0624
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.156
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .168017

* AMP FOR THIS RIFLE IS: 1.122

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611538

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.524

VS= 2.751

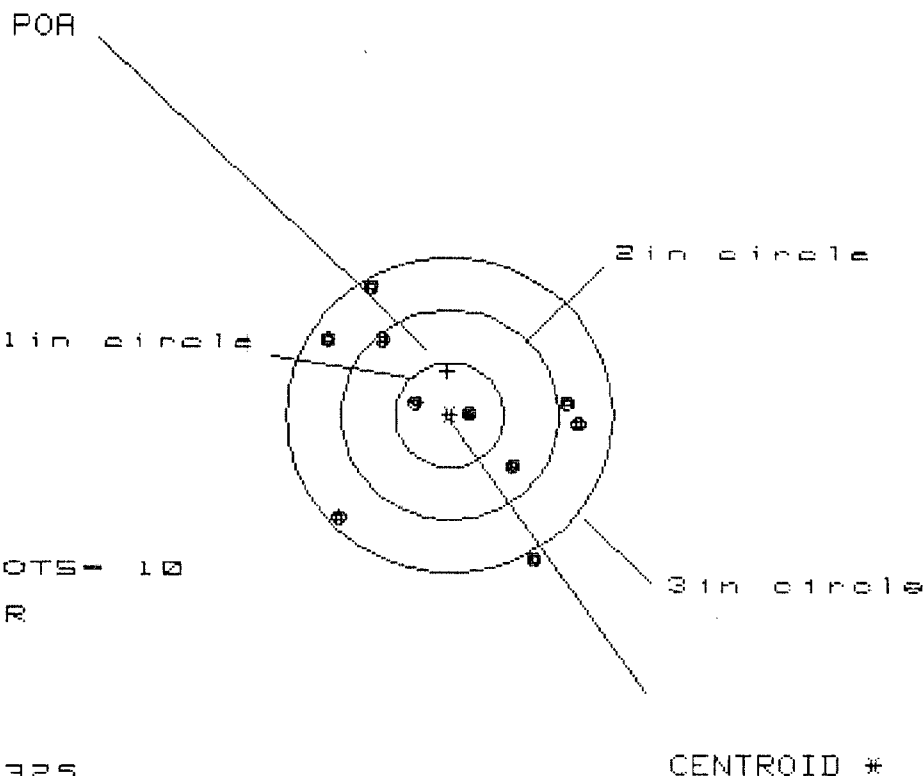
GS= 3.684

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.120	.972	.976
MINIMUM X	:	-1.404	-1.552	-1.431
MAXIMUM Y	:	1.266	1.102	.634
MINIMUM Y	:	-1.485	-.601	-.464
CENTROID X	:	-.164	-.016	-.137
CENTROID Y	:	-.128	.037	-.100
POA TO CENTROID in.	:	.207	.041	.170
MIN RADIUS	:	.236	.414	.272
MEAN RADIUS	:	1.010	.904	.803
MAX RADIUS	:	1.994	1.556	1.451
HORIZONTAL SPREAD	:	2.524	2.524	2.407
VERTICAL SPREAD	:	2.751	1.703	1.098
EXTREME SPREAD	:	3.684	2.714	2.439
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611538

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.325

VS= 2.536

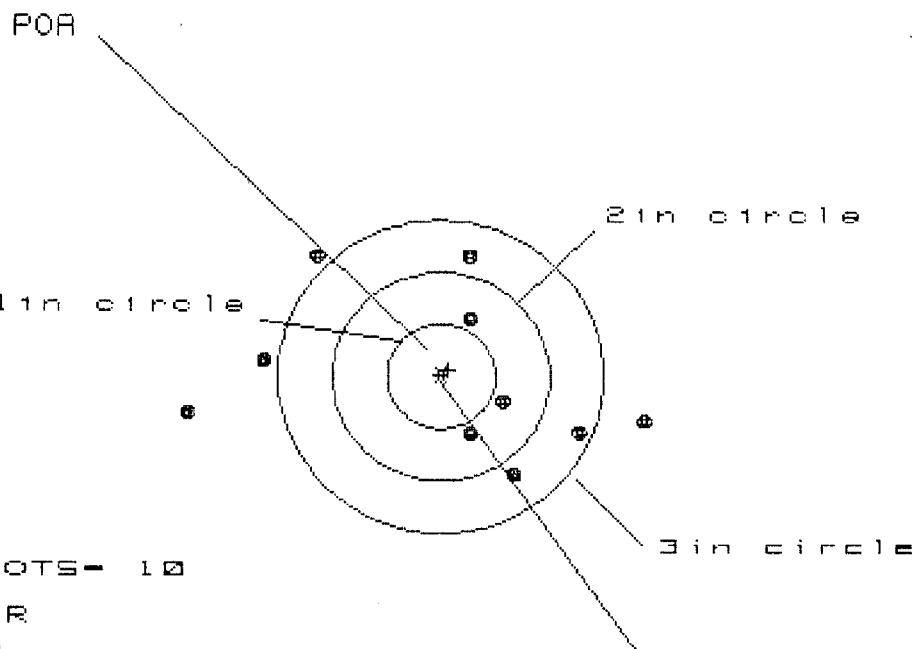
GS= 2.936

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.220	1.302	1.183
MINIMUM X	:	-1.105	-1.023	-1.142
MAXIMUM Y	:	1.184	1.033	.886
MINIMUM Y	:	-1.352	-1.175	-.741
CENTROID X	:	.023	-.059	.059
CENTROID Y	:	-.422	-.271	-.124
POA TO CENTROID in.	:	.422	.278	.138
MIN RADIUS	:	.176	.241	.293
MEAN RADIUS	:	1.026	.958	.891
MAX RADIUS	:	1.538	1.508	1.256
HORIZONTAL SPREAD	:	2.325	2.325	2.325
VERTICAL SPREAD	:	2.536	2.208	1.627
EXTREME SPREAD	:	2.936	2.460	2.460
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611538

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 6

HS= 4.222

VS= 2.141

GS= 4.222

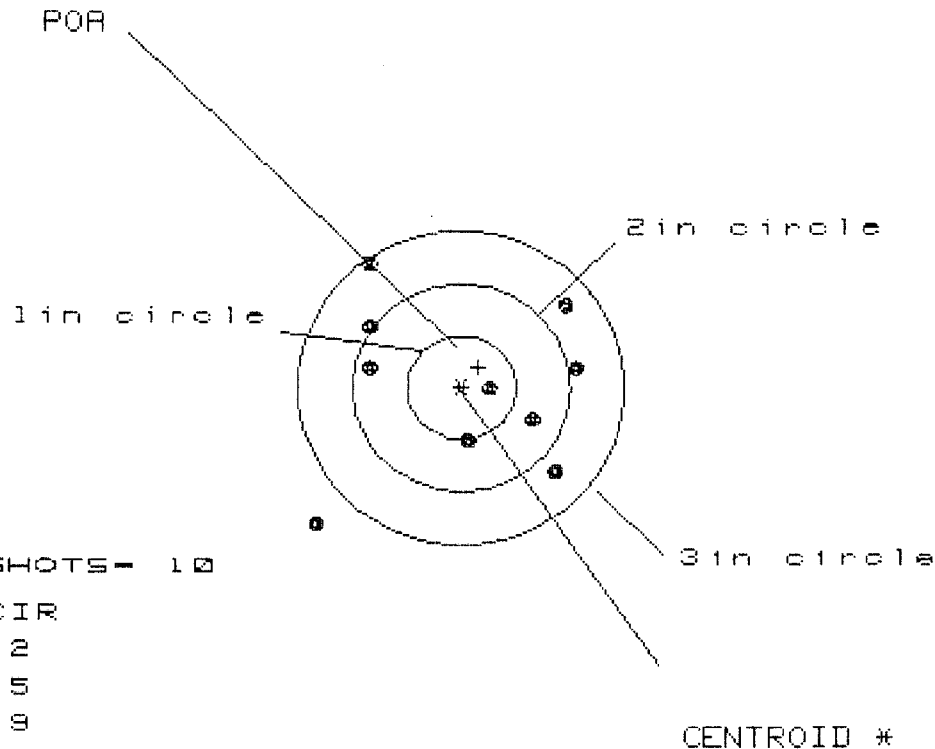
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.868	1.606	1.199
MINIMUM X	-2.354	-1.919	-1.718
MAXIMUM Y	1.181	1.139	1.085
MINIMUM Y	-.960	-1.002	-1.056
CENTROID X	-.069	.193	-.008
CENTROID Y	-.062	-.020	.034
POA TO CENTROID in.	.093	.194	.035
MIN RADIUS	.575	.401	.462
MEAN RADIUS	1.308	1.129	1.086
MAX RADIUS	2.385	1.922	1.719
HORIZONTAL SPREAD	4.222	3.525	2.917
VERTICAL SPREAD	2.141	2.141	2.141
EXTREME SPREAD	4.222	3.565	2.991
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611538

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.424

VS= 2.479

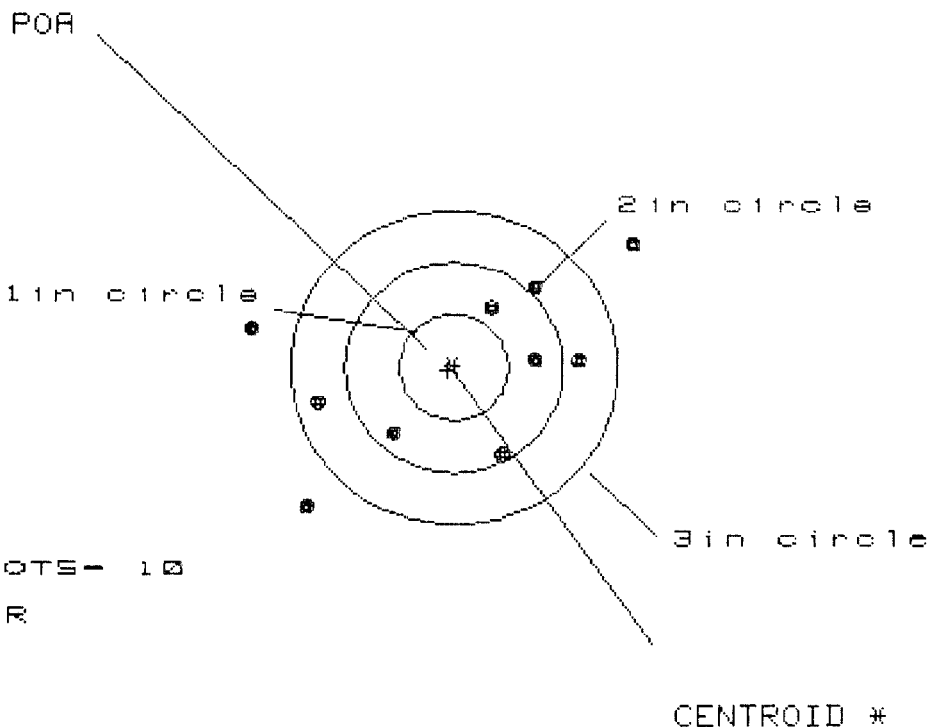
GS= 3.107

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.882	.752
MINIMUM X	:	-1.388	-1.036	-1.119
MAXIMUM Y	:	1.202	1.060	.746
MINIMUM Y	:	-1.277	-.906	-.774
CENTROID X	:	-.157	-.003	.127
CENTROID Y	:	-.194	-.052	-.184
POR TO CENTROID in.	:	.249	.052	.223
MIN RADIUS	:	.290	.225	.049
MEAN RADIUS	:	1.018	.903	.775
MAX RADIUS	:	1.886	1.482	1.227
HORIZONTAL SPREAD	:	2.424	1.918	1.872
VERTICAL SPREAD	:	2.479	1.966	1.520
EXTREME SPREAD	:	3.107	2.637	2.146
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	9		

9 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811538

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 3.429

VS= 2.443

GS= 3.821

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.607	1.333	1.127
MINIMUM X	-1.822	-1.643	-1.358
MAXIMUM Y	1.160	.889	.958
MINIMUM Y	-1.283	-1.154	-1.085
CENTROID X	.055	-.124	.082
CENTROID Y	.026	-.103	-.172
POA TO CENTROID in.	.061	.161	.190
MIN RADIUS	.699	.589	.700
MEAN RADIUS	1.248	1.169	1.066
MAX RADIUS	1.982	1.733	1.738
HORIZONTAL SPREAD	3.429	2.976	2.485
VERTICAL SPREAD	2.443	2.043	2.043
EXTREME SPREAD	3.821	2.998	2.914
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	4	4	4
NUMBER IN THREE INCH CIRCLE =	7	7	7