

C6587610

MODEL 700™ M24

Model S&S™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*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: **RE00131396**

Serial: C6587610 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/17/2007 7:49:04 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: CO. B 2d Bn., 3d SFG-A

CO. B 2d Bn., 3d SFG-A

Address 1: SGT TIMOTHY KRANZ

SGT TIMOTHY KRANZ

Address 2: E-1650 KUWAIT STREET

E-1650 KUWAIT STREET

PO Box:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

7/17/2007

8:14 AM

CAPS

NUM

INS

SCRL



8:14 AM

Serial Number: **C6587610**

Model: **M24 SWS**



RE00131396

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587610.__0
FILE DATE AND TIME: 09/08/2007 06:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.029
The Average Y Centroid of the Five Target Set:	0.159
The Average Point of Impact of the Five Target Set:	0.162
The Average Mean Radius of the Five Target Set:	0.810
The Distance from POA to Centroid Target #1:	0.658
The Distance from Centroid Target #2 to Centroid Target #1:	0.589
The Distance from Centroid Target #3 to Centroid Target #1:	0.808
The Distance from Centroid Target #4 to Centroid Target #1:	0.494
The Distance from Centroid Target #5 to Centroid Target #1:	0.617

BARBER - M24 0023701

SERIAL NUMBER: C6587610. __0

TARGET NUMBER: 1

FILE DATE: 09/08/2007

FILE TIME: 06:56

POINT#	X	Y
1:	-0.294	2.963
2:	0.559	2.522
3:	1.088	1.675
4:	0.273	0.805
5:	0.898	-0.127
6:	-0.601	-0.586
7:	0.247	-0.605
8:	0.190	-0.284
9:	-0.297	-0.133
10:	-0.616	0.190

X CENTROID: 0.145

Y CENTROID: 0.642

POA TO CENTROID: 0.658

HORZ SPREAD: 1.704

VERT SPREAD: 3.568

GROUP SPREAD: 3.609

MIN RADIUS: 0.207

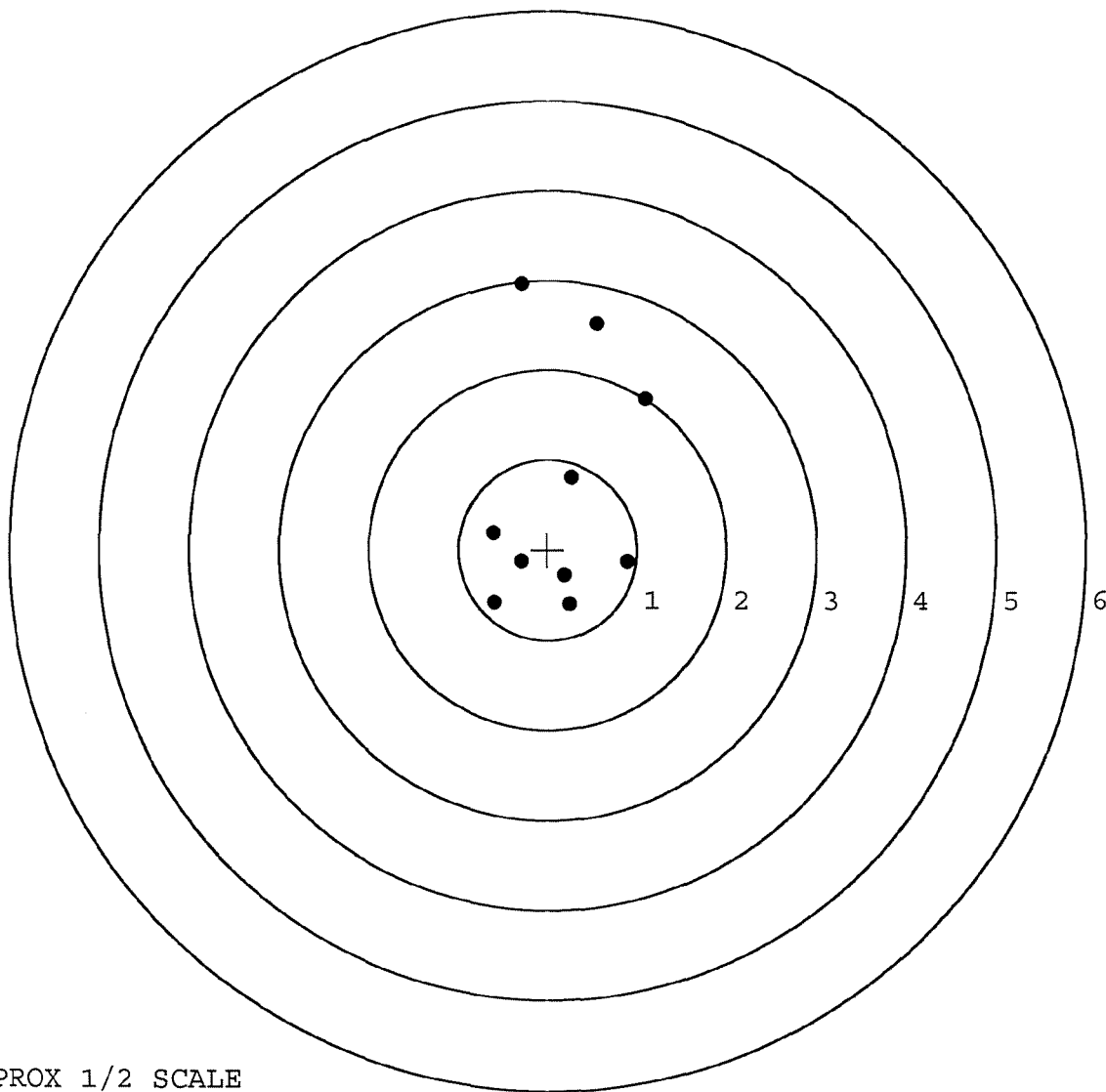
MAX RADIUS: 2.362

MEAN RADIUS: 1.236

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8



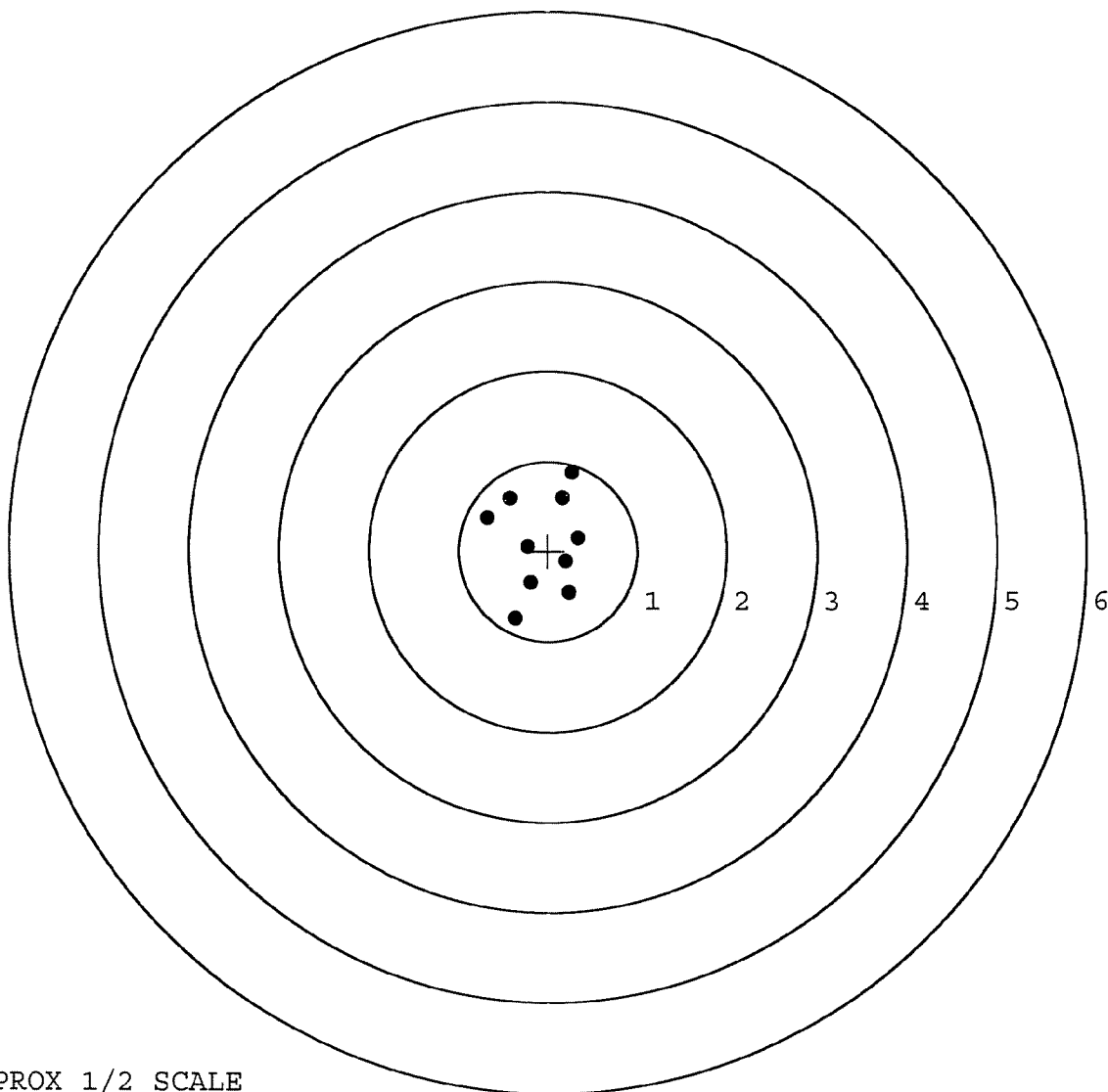
TARGET APPROX 1/2 SCALE

BARBER - M24 0023702

SERIAL NUMBER: C6587610. __0
 TARGET NUMBER: 2
 FILE DATE: 09/08/2007
 FILE TIME: 06:56

POINT#	X	Y
1:	0.270	0.874
2:	0.160	0.595
3:	-0.433	0.593
4:	-0.683	0.368
5:	-0.368	-0.753
6:	0.238	-0.461
7:	-0.197	-0.358
8:	0.198	-0.118
9:	0.336	0.152
10:	-0.227	0.048

X CENTROID: -0.071
 Y CENTROID: 0.094
 POA TO CENTROID: 0.118
 HORZ SPREAD: 1.019
 VERT SPREAD: 1.627
 GROUP SPREAD: 1.748
 MIN RADIUS: 0.163
 MAX RADIUS: 0.898
 MEAN RADIUS: 0.561
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023703

SERIAL NUMBER: C6587610. __0

TARGET NUMBER: 3

FILE DATE: 09/08/2007

FILE TIME: 06:56

POINT#	X	Y
1:	0.094	-0.023
2:	-1.012	0.196
3:	-0.205	0.479
4:	-0.197	0.358
5:	0.546	-1.005
6:	0.270	-1.007
7:	0.272	-0.103
8:	-0.150	-0.324
9:	-0.010	0.078
10:	0.037	-0.110

X CENTROID: -0.036

Y CENTROID: -0.146

POA TO CENTROID: 0.150

HORZ SPREAD: 1.558

VERT SPREAD: 1.486

GROUP SPREAD: 1.967

MIN RADIUS: 0.081

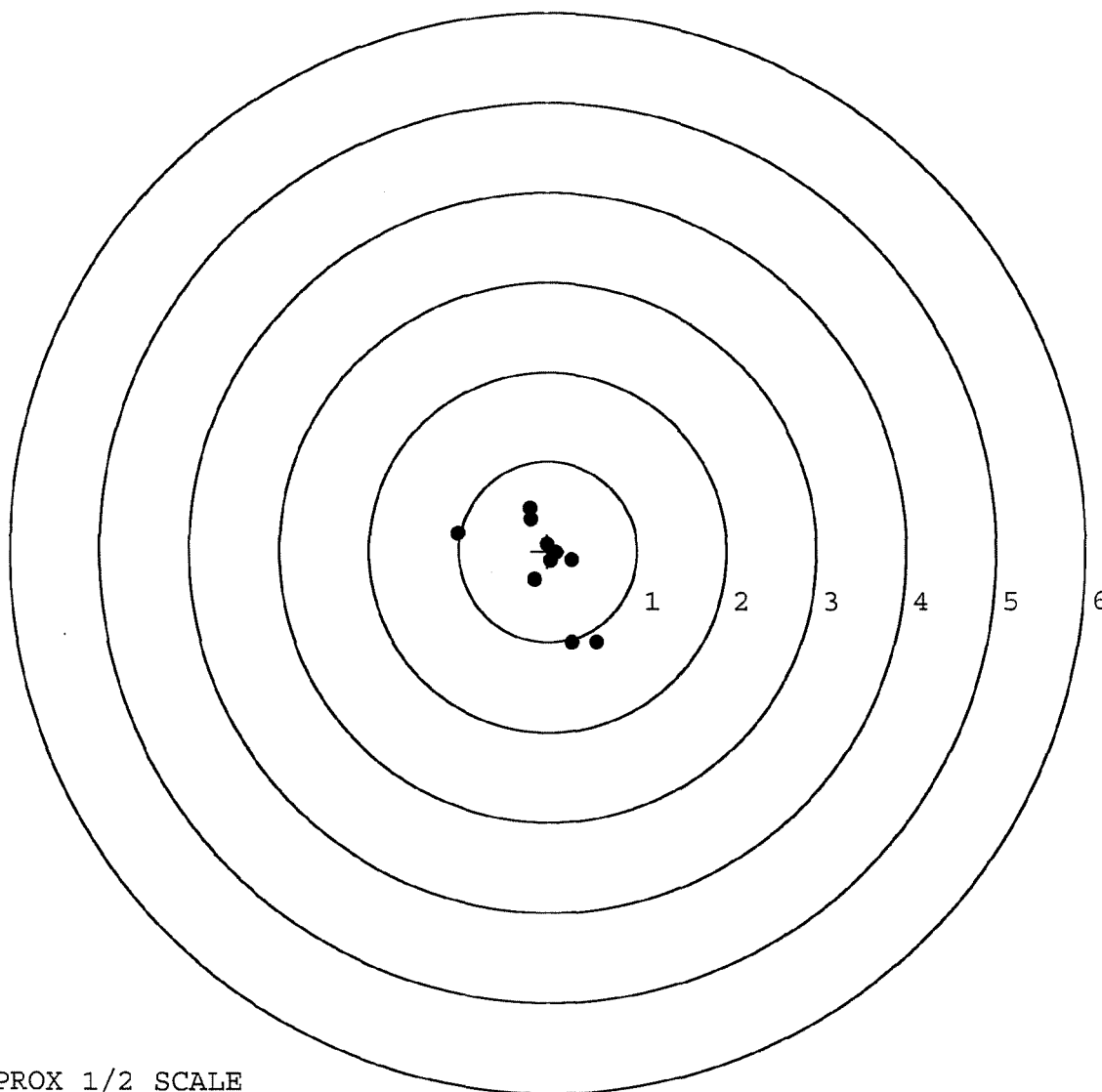
MAX RADIUS: 1.037

MEAN RADIUS: 0.517

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



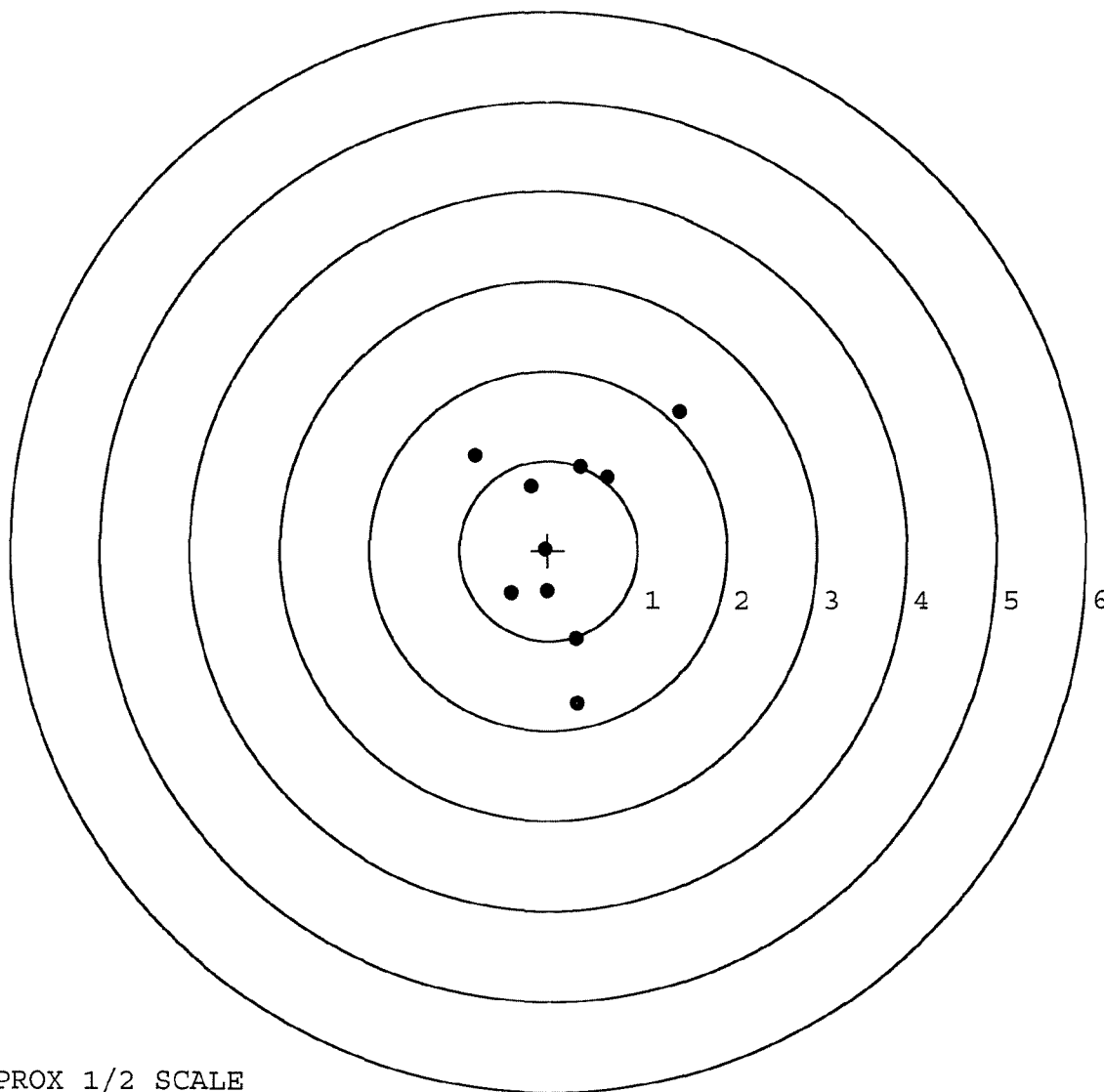
TARGET APPROX 1/2 SCALE

BARBER - M24 0023704

SERIAL NUMBER: C6587610. __0
 TARGET NUMBER: 4
 FILE DATE: 09/08/2007
 FILE TIME: 06:56

POINT#	X	Y
1:	1.467	1.551
2:	0.660	0.814
3:	0.364	0.935
4:	-0.826	1.054
5:	-0.199	0.718
6:	-0.038	0.019
7:	-0.420	-0.477
8:	-0.015	-0.451
9:	0.309	-0.981
10:	0.333	-1.700

X CENTROID: 0.164
 Y CENTROID: 0.148
 POA TO CENTROID: 0.221
 HORZ SPREAD: 2.293
 VERT SPREAD: 3.251
 GROUP SPREAD: 3.443
 MIN RADIUS: 0.239
 MAX RADIUS: 1.915
 MEAN RADIUS: 1.029
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587610. 0

TARGET NUMBER: 5

FILE DATE: 09/08/2007

FILE TIME: 06:56

POINT#	X	Y
1:	1.080	0.413
2:	0.580	0.226
3:	0.773	-0.512
4:	0.296	-0.410
5:	-0.854	-0.382
6:	-0.095	0.384
7:	-0.282	0.463
8:	-0.543	0.133
9:	-0.935	0.140
10:	-0.611	0.138

X CENTROID: -0.059

Y CENTROID: 0.059

POA TO CENTROID: 0.084

HORZ SPREAD: 2.015

VERT SPREAD: 0.975

GROUP SPREAD: 2.091

MIN RADIUS: 0.327

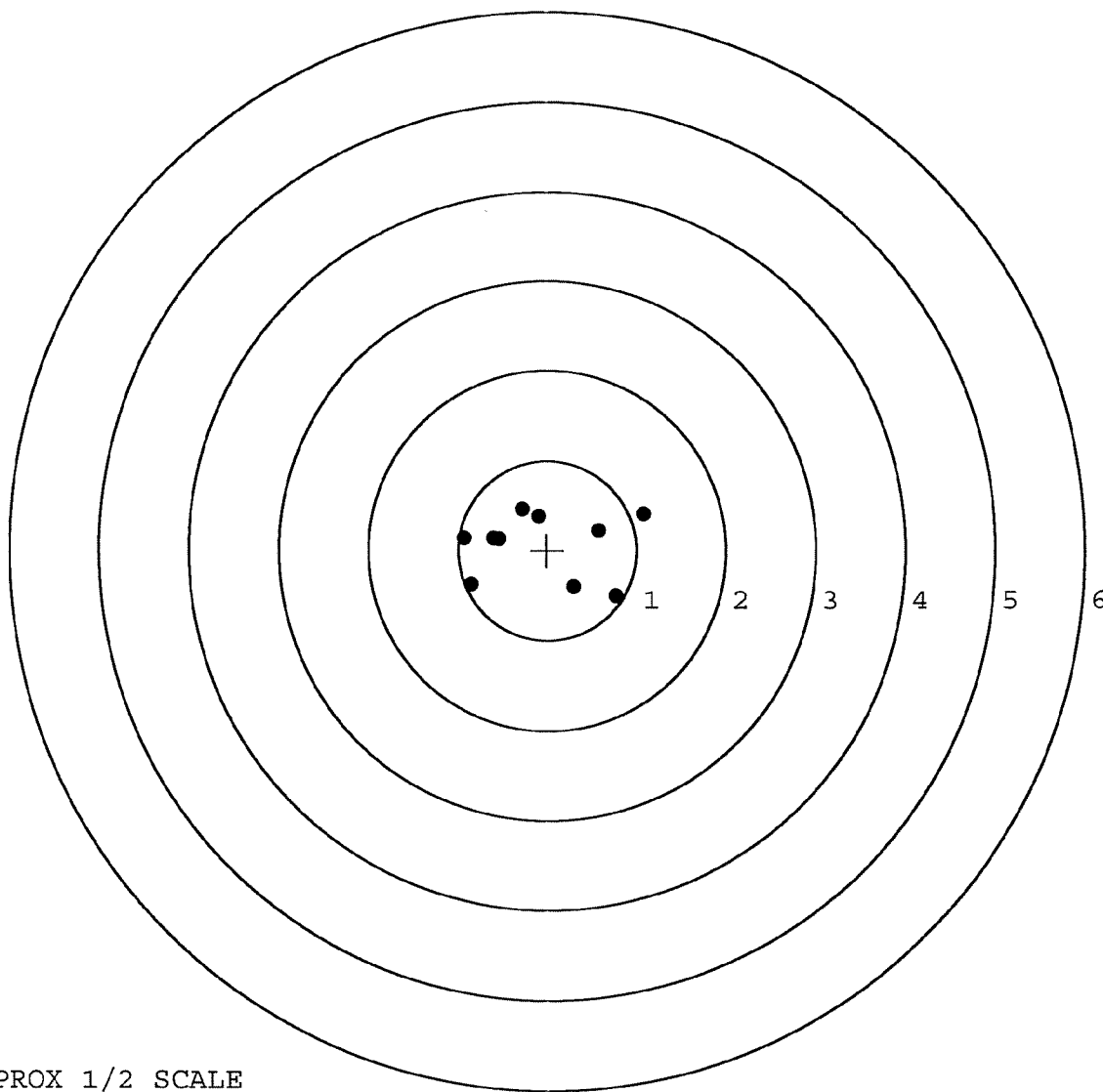
MAX RADIUS: 1.193

MEAN RADIUS: 0.707

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER

131396

SERIAL NUMBER

C6587618

LOG-IN DATE

7-17-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-17-07	RTZ
505	RE-BARREL	8-15-07	RTZ
560	ASSEMBLE	8-20-07	RTZ
600	PROOF	8-23-07	RTZ
605	CHECK HEADSPACE	8-23-07	RTZ
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	SB
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	LY
620	APPLY COATINGS	8-31-07	RTZ
625	FINAL ASSEMBLY	9-7-07	RTZ
640	FUNCTION TEST AND	9-7-07	RTZ
650	TARGET	9-7-07	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-7-07	SD
	A) HEADSPACE	9-12-07	DA
	B) TRIGGER PULL	9-12-07	DA
	F) SAFETY ON FORCE	9-12-07	DA
	G) SAFETY OFF FORCE	9-12-07	DA
	I) FIRING PIN INDENT	9-12-07	DA
690	PACK	9-12-07	DA

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: **RE00036611** Serial: C6587610 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 5 of 10 Repairman: Status: Closed 11/30/01 10:20:09 AM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

State: NC Zip Code: Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Fair

Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

11/30/01 11:12 AM CAPS NUM JINS SCRL

Start I C A S P T D E S V 11:12 AM

Serial Number: **C6587610**

Model: **700**



RE00036611

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

R & E NUMBER	36611		
SERIAL NUMBER	C6587610		
LOG-IN DATE	11-30-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-2-01	RTH
560 A	RE-BARREL	12/3/01	BWT
B	DRILL AND TAP	12/3/01	BWT
575	ASSEMBLE	12-4-01	RTH
600	PROOF	12-4-01	MAGNAFLUX
605	CHECK HEADSPACE	12-4-01	INSPECTED
610	DIS-ASSEMBLE GUN	12-4-01	DEC 1/01
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	12-4-01	RTH
618	ROTO-BLAST	12/7-01	RO
620	APPLY COATINGS	12-10-01	TA
625 A	FINAL ASSEMBLY	12-11-01	RTH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-12-01	AS
655	FINAL INSPECT	12-18-01	RTH
660	PACK		
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587610.___0

FILE DATE AND TIME: 12/12/2001 04:14

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.062
The Average Y Centroid of the Five Target Set:	-0.053
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.529
The Distance from POA to Centroid Target #1:	0.017
The Distance from Centroid Target #2 to Centroid Target #1:	0.133
The Distance from Centroid Target #3 to Centroid Target #1:	0.220
The Distance from Centroid Target #4 to Centroid Target #1:	0.146
The Distance from Centroid Target #5 to Centroid Target #1:	0.028

BARBER - M24 0023710

SERIAL NUMBER: C6587610. __0

TARGET NUMBER: 1

FILE DATE: 12/12/2001

FILE TIME: 04:14

POINT#	X	Y
1:	0.577	0.822
2:	0.051	0.476
3:	-0.153	0.310
4:	-0.789	-0.359
5:	0.359	-0.429
6:	0.053	-0.323
7:	-0.200	-0.283
8:	-0.098	0.023
9:	0.111	-0.026
10:	0.260	-0.228

X CENTROID: 0.017

Y CENTROID: -0.002

POA TO CENTROID: 0.017

HORZ SPREAD: 1.366

VERT SPREAD: 1.251

GROUP SPREAD: 1.806

MIN RADIUS: 0.097

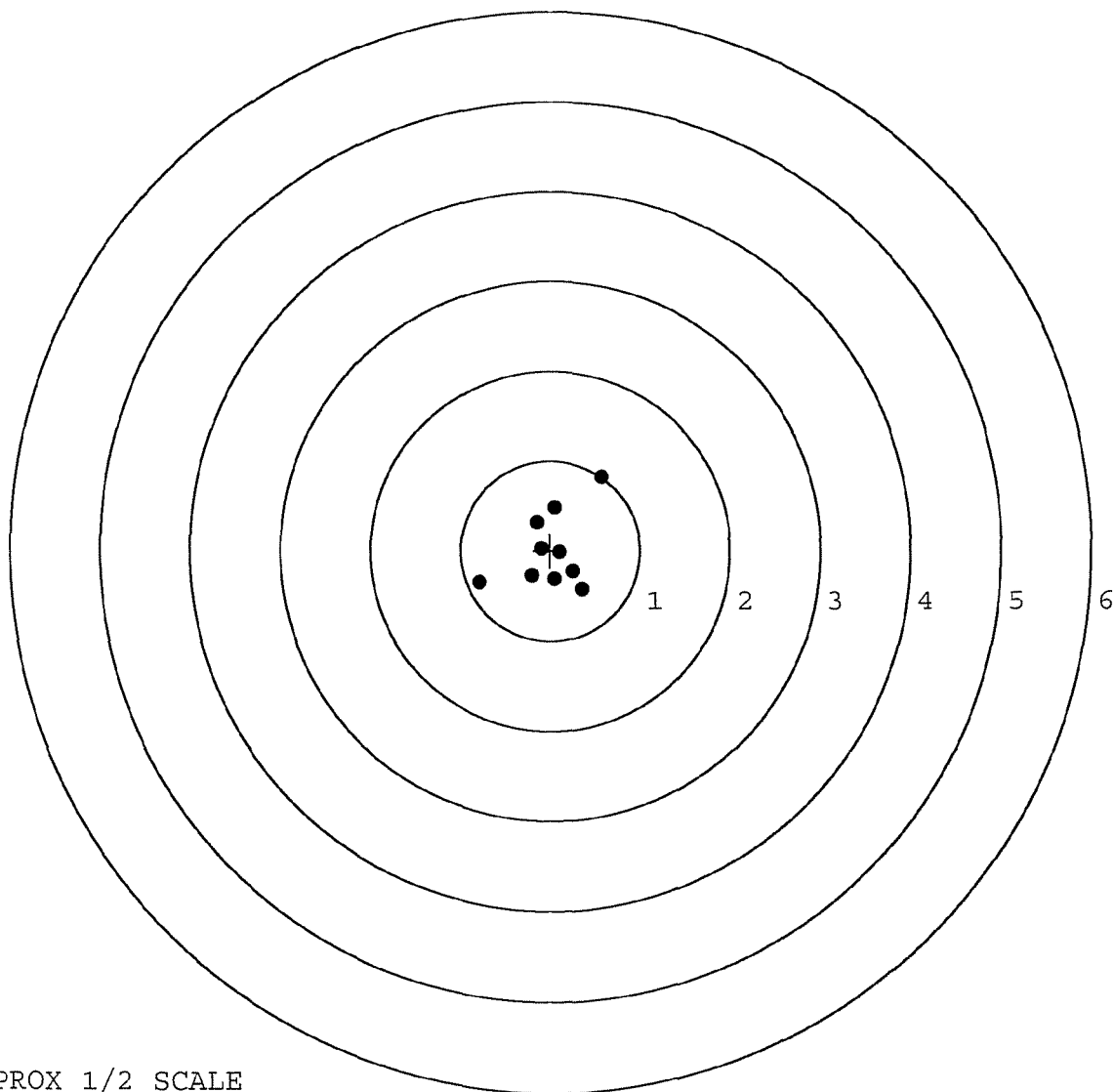
MAX RADIUS: 0.996

MEAN RADIUS: 0.448

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

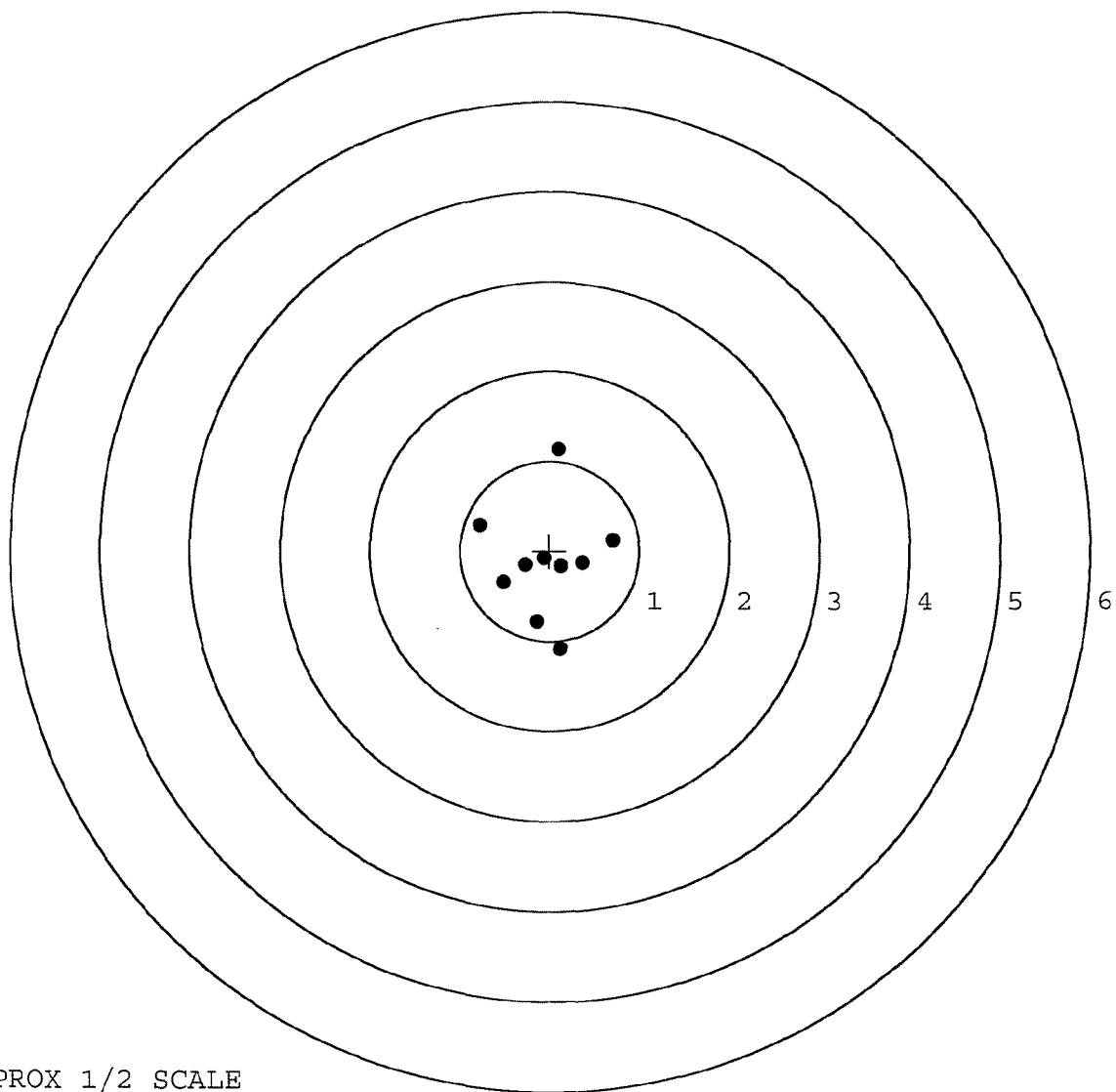
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023711

SERIAL NUMBER: C6587610. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	0.101	1.131
FILE DATE: 12/12/2001	2:	-0.785	0.289
FILE TIME: 04:14	3:	0.123	-1.089
	4:	-0.144	-0.792
X CENTROID: -0.035	5:	0.701	0.120
Y CENTROID: -0.124	6:	-0.515	-0.353
POA TO CENTROID: 0.129	7:	-0.271	-0.160
HORZ SPREAD: 1.486	8:	-0.063	-0.081
VERT SPREAD: 2.220	9:	0.130	-0.173
GROUP SPREAD: 2.220	10:	0.370	-0.129
MIN RADIUS: 0.051			
MAX RADIUS: 1.262			
MEAN RADIUS: 0.595			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0023712

SERIAL NUMBER: C6587610. __0

TARGET NUMBER: 3

FILE DATE: 12/12/2001

FILE TIME: 04:14

POINT#	X	Y
1:	0.558	0.638
2:	0.434	0.171
3:	-0.201	-0.916
4:	-0.414	-0.476
5:	-0.189	-0.421
6:	-0.527	-0.344
7:	-0.287	-0.220
8:	-0.494	-0.020
9:	-0.254	0.433
10:	-0.563	0.505

X CENTROID: -0.194

Y CENTROID: -0.065

POA TO CENTROID: 0.204

HORZ SPREAD: 1.121

VERT SPREAD: 1.554

GROUP SPREAD: 1.729

MIN RADIUS: 0.181

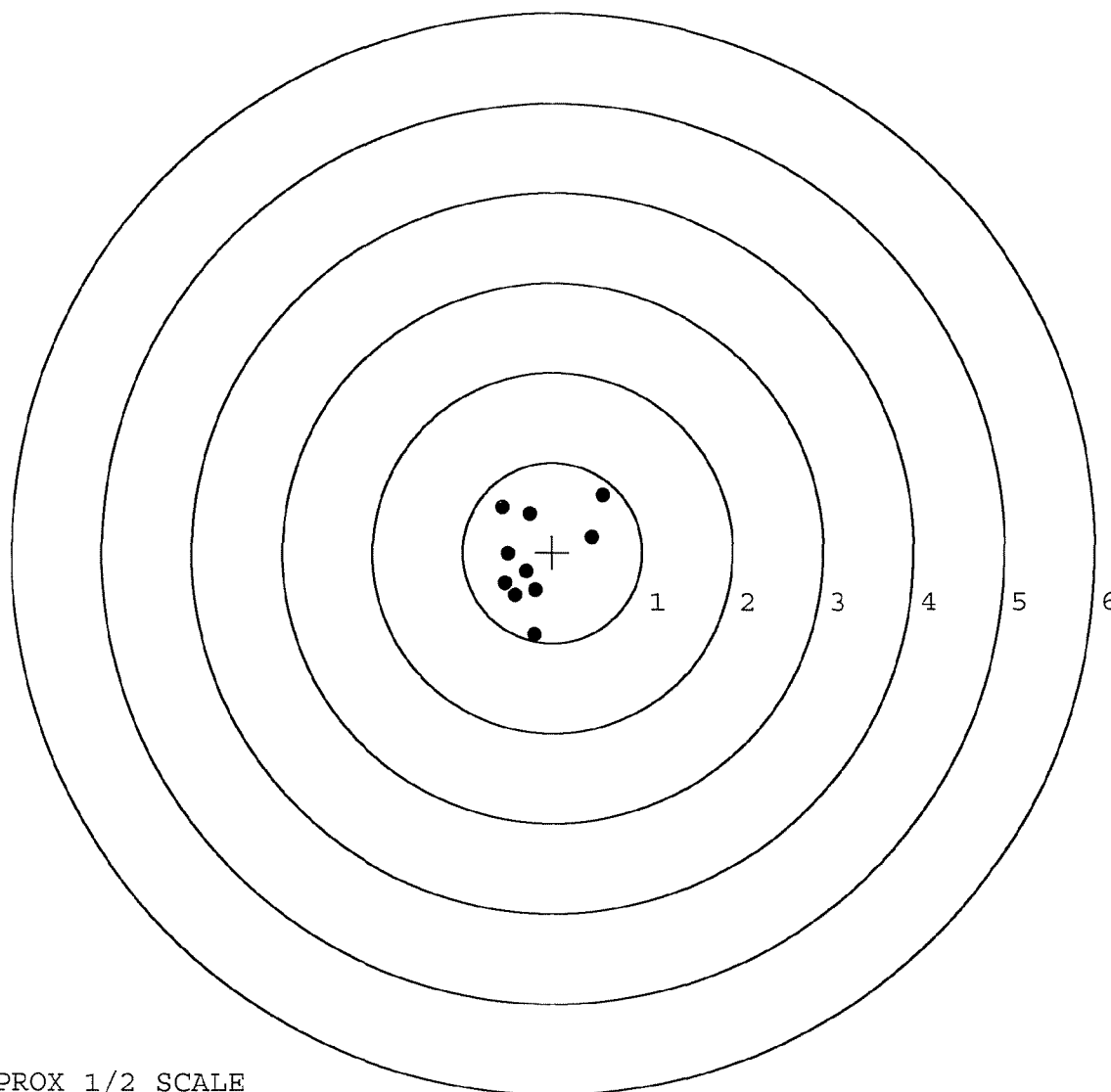
MAX RADIUS: 1.029

MEAN RADIUS: 0.547

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

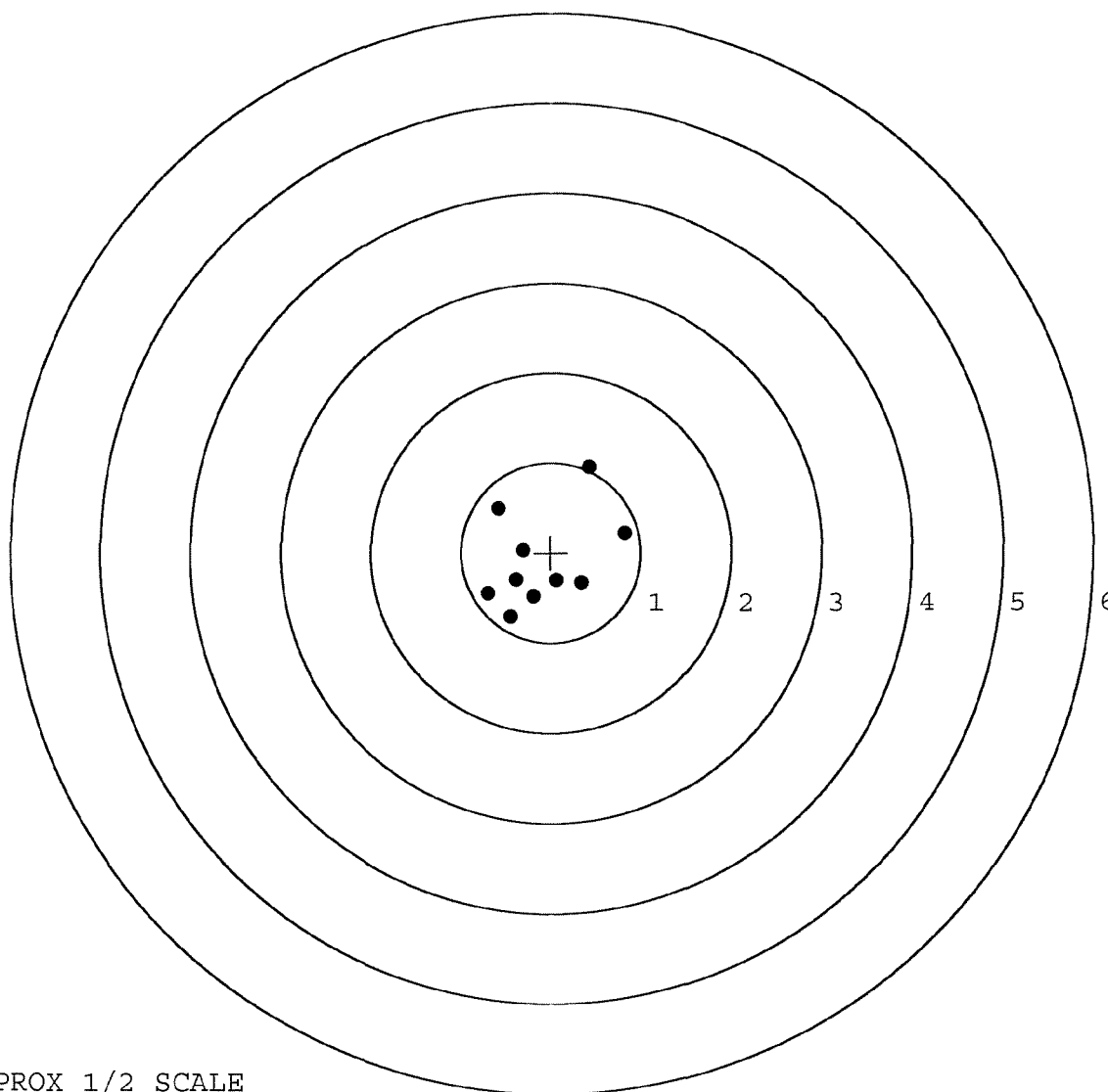
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023713

SERIAL NUMBER: C6587610.____0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.431	0.950
FILE DATE: 12/12/2001	2:	-0.593	0.493
FILE TIME: 04:14	3:	0.820	0.219
	4:	0.343	-0.335
X CENTROID: -0.098	5:	0.065	-0.312
Y CENTROID: -0.092	6:	-0.447	-0.715
POA TO CENTROID: 0.134	7:	-0.198	-0.489
HORZ SPREAD: 1.520	8:	-0.700	-0.456
VERT SPREAD: 1.665	9:	-0.309	0.027
GROUP SPREAD: 1.882	10:	-0.388	-0.302
MIN RADIUS: 0.243			
MAX RADIUS: 1.168			
MEAN RADIUS: 0.611			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0023714

SERIAL NUMBER: C6587610. __0

TARGET NUMBER: 5

FILE DATE: 12/12/2001

FILE TIME: 04:14

POINT#	X	Y
1:	-0.228	0.618
2:	-0.111	0.408
3:	0.157	0.264
4:	-0.051	0.033
5:	0.265	-0.013
6:	0.041	-0.181
7:	0.146	-0.536
8:	-0.063	-0.503
9:	0.499	-0.397
10:	-0.683	0.489

X CENTROID: -0.003

Y CENTROID: 0.018

POA TO CENTROID: 0.018

HORZ SPREAD: 1.182

VERT SPREAD: 1.154

GROUP SPREAD: 1.477

MIN RADIUS: 0.050

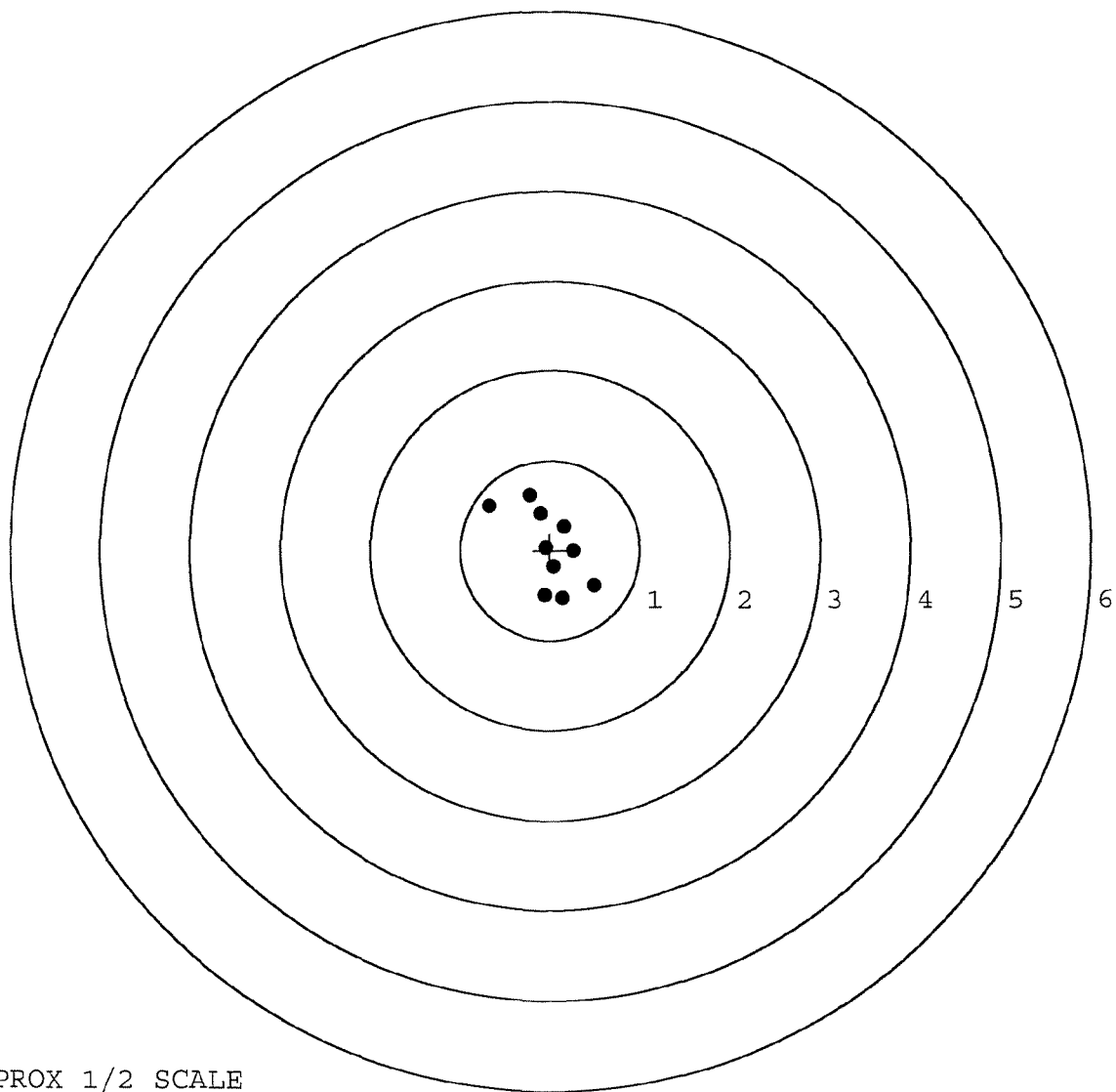
MAX RADIUS: 0.827

MEAN RADIUS: 0.444

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington®
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

MADE IN ILION, 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.

SERIAL NO.
C6587610

ORDER NO.
5716

20

5716 C6587610

UPC

0 4700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587610

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1024	90	RW
607	Check Headspace	1024	90	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		11/3/90	LB
618	Polish Barrel AB		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-4-91	DH

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.25	4.25	4.50			1/3/91	KT
	G) Safety Off Force	3.50	3.25	3.25			1/3/91	KT
	H) Trigger Pull Test & Retainability						1-4-91	DH
	I) Firing Pin Indent	.020	.020	.020			1/3/91	KT
	J) Assemble Stock						1/8/91	RW
	K) Assemble Swivel Studs						1-11-91	JH
	L) Attach Front and Rear Sight Assemblies						1/8/91	RW
	M) Iron Sight Alignment						1/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/8/91	RW
	O) Attach Scope to Rifle						1/8/91	RW
	P) Detach & Attach Scope 20 Times						1/8/91	RW
640	Gallery Target & Test						1-10-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						1-10-91	AF
655	Final Inspection							
	A) Headspace						1-11-91	JH
	B) Trigger Pull	2.28	2.32	2.29	2.35	2.35	1-11-91	JH
	C) Function						1-11-91	JH
660	Pack						3/15/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587610DATE 1-4-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.39	2.38	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.51	2.31	2.32	
PULL #3	2.60	2.46	2.27	2.29	
PULL #4	2.53	2.48	2.20	2.35	
PULL #5	2.53	2.45	2.83	2.35	
TOTAL	12.68	12.29	11.99		
AVG.	2.53	2.45	2.39		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.02		
PULL #2	3.02	3.00		
PULL #3	3.00	3.11		
PULL #4	3.01	3.00		
PULL #5	3.05	3.02		
TOTAL	15.15	15.15		
AVG.	3.03	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.10		4.16
PULL #2	4.22	4.25		4.20
PULL #3	4.09	4.03		4.05
PULL #4	4.22	4.06		4.31
PULL #5	4.26	4.06		4.31
TOTAL	20.87	20.50		21.03
AVG.	4.17	4.10		4.20

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587610
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.151083
1 TO	2	.221287
1 TO	3	.107838
1 TO	4	.23952
1 TO	5	.219429

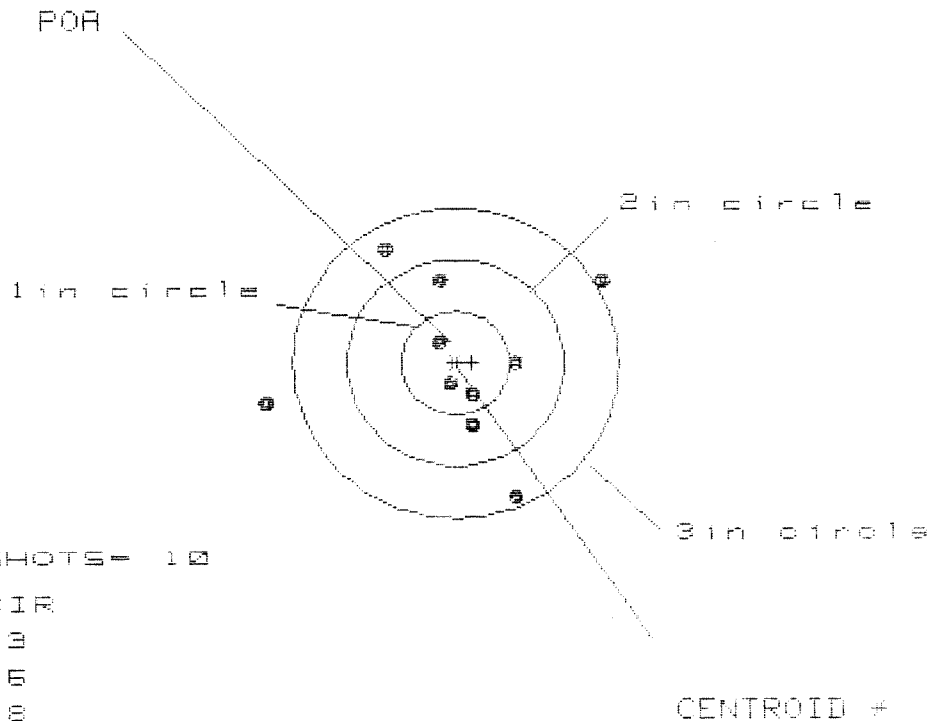
24 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0602
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0474
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0766211
THE AMR FOR THIS RIFLE IS: 1.125

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG587610

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 3.034

VS= 2.467

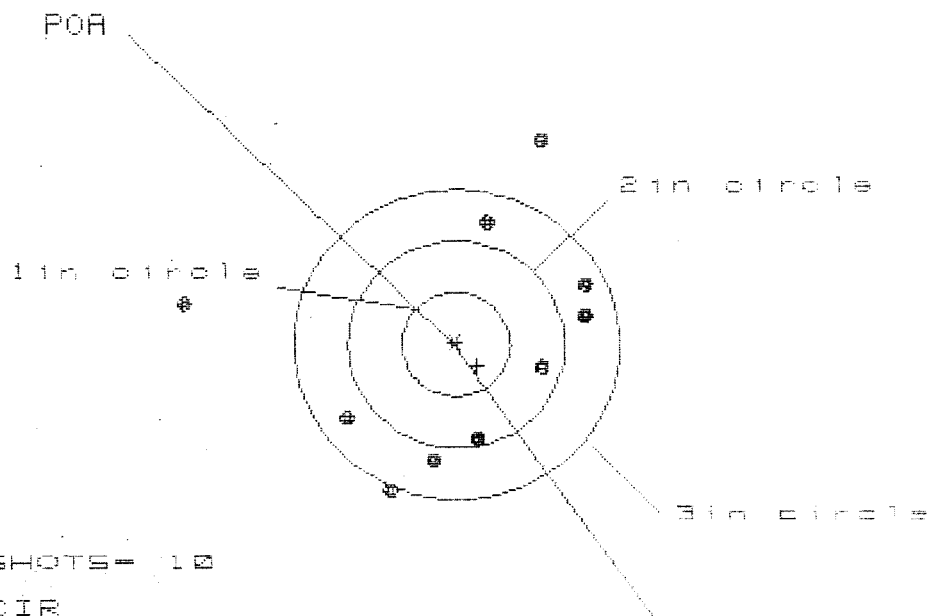
GS= 3.277

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.319	1.129	.526
MINIMUM X	-1.715	-.881	-.740
MAXIMUM Y	1.154	1.105	1.199
MINIMUM Y	-1.313	-1.362	-1.268
CENTROID X	-.151	.039	-.102
CENTROID Y	-.005	.044	-.050
POA TO CENTROID in.	.151	.059	.113
MIN RADIUS	.246	.365	.227
MEAN RADIUS	.890	.793	.691
MAX RADIUS	1.770	1.415	1.409
HORIZONTAL SPREAD	3.034	2.010	1.266
VERTICAL SPREAD	2.467	2.467	2.467
EXTREME SPREAD	3.277	2.773	2.773
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587610

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS = 3.734

VS = 3.384

GS = 3.739

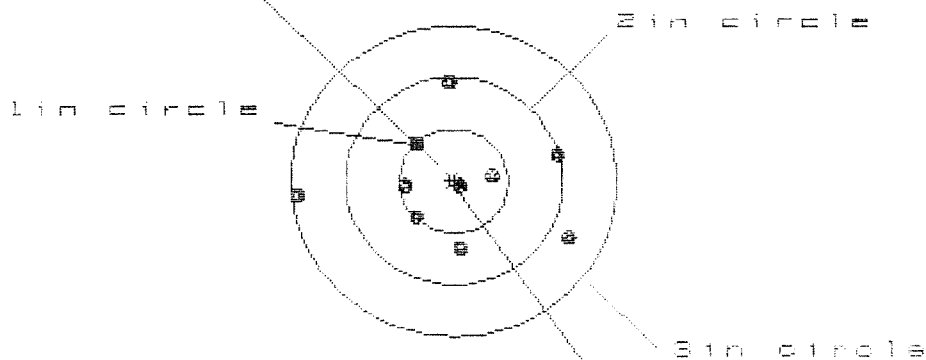
PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.210	.929	.989
MINIMUM X	-2.524	-1.339	-1.279
MAXIMUM Y	1.975	2.015	1.521
MINIMUM Y	-1.409	-1.369	-1.117
CENTROID X	-.189	.092	.032
CENTROID Y	.213	.173	-.379
POA TO CENTROID in.	.284	.196	.085
MIN RADIUS	.817	.538	.574
MEAN RADIUS	1.423	1.242	1.108
MAX RADIUS	2.549	2.071	1.525
HORIZONTAL SPREAD	3.734	2.268	2.268
VERTICAL SPREAD	3.384	3.384	2.638
EXTREME SPREAD	3.739	3.669	2.819
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587610

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 2.514

VS = 1.637

GS = 2.541

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.089	.931	.946
MINIMUM X	-1.425	-.584	-.468
MAXIMUM Y	.988	.972	.906
MINIMUM Y	-.649	-.665	-.731
CENTROID X	-.053	.105	-.011
CENTROID Y	.040	.056	.122
FOR TO CENTROID in.	.067	.119	.123
MIN RADIUS	.090	.162	.166
MEAN RADIUS	.711	.635	.569
MAX RADIUS	1.432	1.071	.966
HORIZONTAL SPREAD	2.514	1.515	1.414
VERTICAL SPREAD	1.637	1.637	1.637
EXTREME SPREAD	2.541	1.874	1.640
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

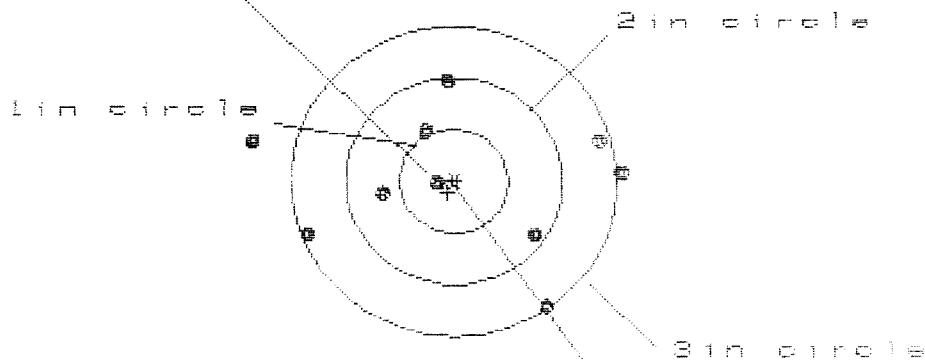
11 Jan 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08587810

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS = 3.455

VS = 2.206

CS = 3.468

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.567	1.357	1.254
MINIMUM X	-1.888	-1.576	-1.406
MAXIMUM Y	1.006	1.047	1.062
MINIMUM Y	-1.200	-1.159	-1.144
CENTROID X	.058	.268	.398
CENTROID Y	.112	.071	.056
POA TO CENTROID in.	.127	.277	.113
MIN RADIUS	.155	.365	.198
MEAN RADIUS	1.113	1.034	.963
MAX RADIUS	1.925	1.637	1.470
HORIZONTAL SPREAD	3.455	2.933	2.660
VERTICAL SPREAD	2.206	2.206	2.206
EXTREME SPREAD	3.468	2.986	2.804
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

11 Jan 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C6587610

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.177

VS = 4.470

GS = 4.796

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.248	1.194	.946
MINIMUM X	:	-1.928	-1.983	-1.458
MAXIMUM Y	:	1.811	1.515	1.628
MINIMUM Y	:	-2.659	-1.958	-1.845
CENTROID X	:	.034	.089	.337
CENTROID Y	:	-.123	.173	.060
POA TO CENTROID in.	:	.127	.194	.342
MIN RADIUS	:	.322	.618	.577
MEAN RADIUS	:	1.486	1.335	1.214
MAX RADIUS	:	2.704	2.179	1.883
HORIZONTAL SPREAD	:	3.177	3.177	2.404
VERTICAL SPREAD	:	4.470	3.473	3.473
EXTREME SPREAD	:	4.796	3.716	3.565
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			6	