

C6594678

MODEL 700™ M24

Model **SWS**™

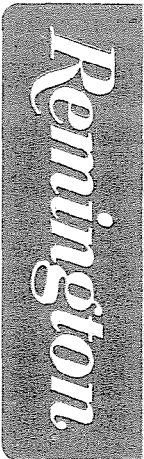
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: RE00133032

Serial: C6594678 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/18/1991

Repairman:

Status:

Closed 8/22/2007 7:12:58 AM

Verify Repair

High Priority

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK PO Box:

BLDG 299 GILLESPIE AVE BECK PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

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
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

8/22/2007

7:54 AM

CAPS

NUM

INS

SCRL

start

Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...

7:54 AM

Serial Number: C6594678

Model: M24 SWS



RE00133032

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594678.___0
FILE DATE AND TIME: 12/07/2007 09:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.044
The Average Y Centroid of the Five Target Set:	-0.059
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	0.713
The Distance from POA to Centroid Target #1:	0.120
The Distance from Centroid Target #2 to Centroid Target #1:	0.192
The Distance from Centroid Target #3 to Centroid Target #1:	0.260
The Distance from Centroid Target #4 to Centroid Target #1:	0.231
The Distance from Centroid Target #5 to Centroid Target #1:	0.328

BARBER - M24 0021640

SERIAL NUMBER: C6594678. 0

TARGET NUMBER: 1

FILE DATE: 12/07/2007

FILE TIME: 09:12

X CENTROID: -0.111

Y CENTROID: 0.047

POA TO CENTROID: 0.120

HORZ SPREAD: 1.861

VERT SPREAD: 2.203

GROUP SPREAD: 2.241

MIN RADIUS: 0.269

MAX RADIUS: 1.345

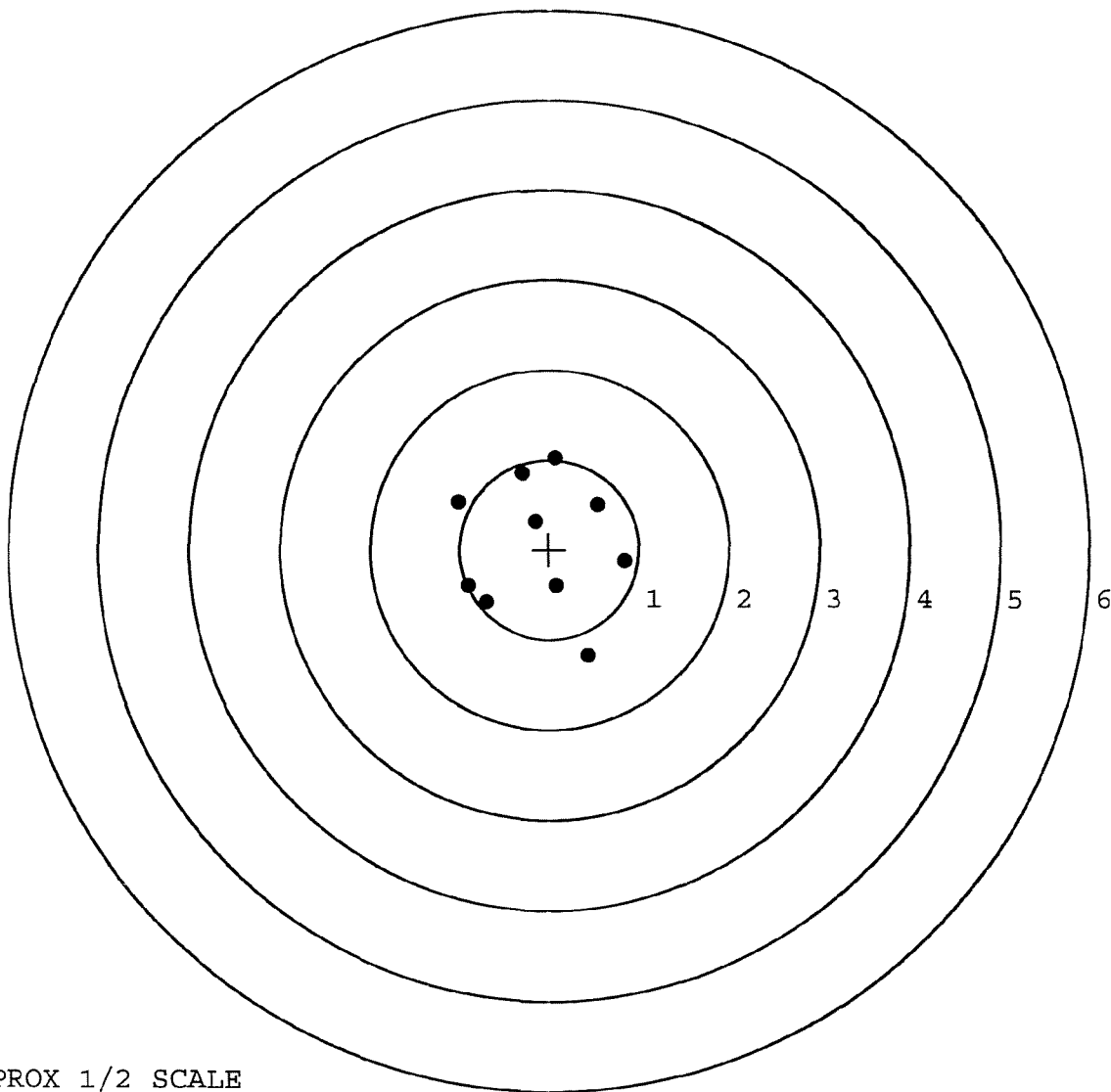
MEAN RADIUS: 0.851

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.438	-1.181
2:	0.086	-0.407
3:	0.844	-0.140
4:	0.537	0.499
5:	-0.154	0.312
6:	-0.304	0.850
7:	0.073	1.022
8:	-1.017	0.524
9:	-0.904	-0.416
10:	-0.706	-0.597



TARGET APPROX 1/2 SCALE

BARBER - M24 0021641

SERIAL NUMBER: C6594678. 0

TARGET NUMBER: 2

FILE DATE: 12/07/2007

FILE TIME: 09:12

POINT#	X	Y
1:	0.860	0.328
2:	0.591	0.166
3:	0.608	-0.029
4:	0.542	-0.722
5:	-0.182	0.267
6:	0.039	-0.168
7:	-0.180	-0.182
8:	-0.063	-0.493
9:	-0.878	-0.237
10:	-1.110	0.159

X CENTROID: 0.023

Y CENTROID: -0.091

POA TO CENTROID: 0.094

HORZ SPREAD: 1.970

VERT SPREAD: 1.050

GROUP SPREAD: 1.977

MIN RADIUS: 0.079

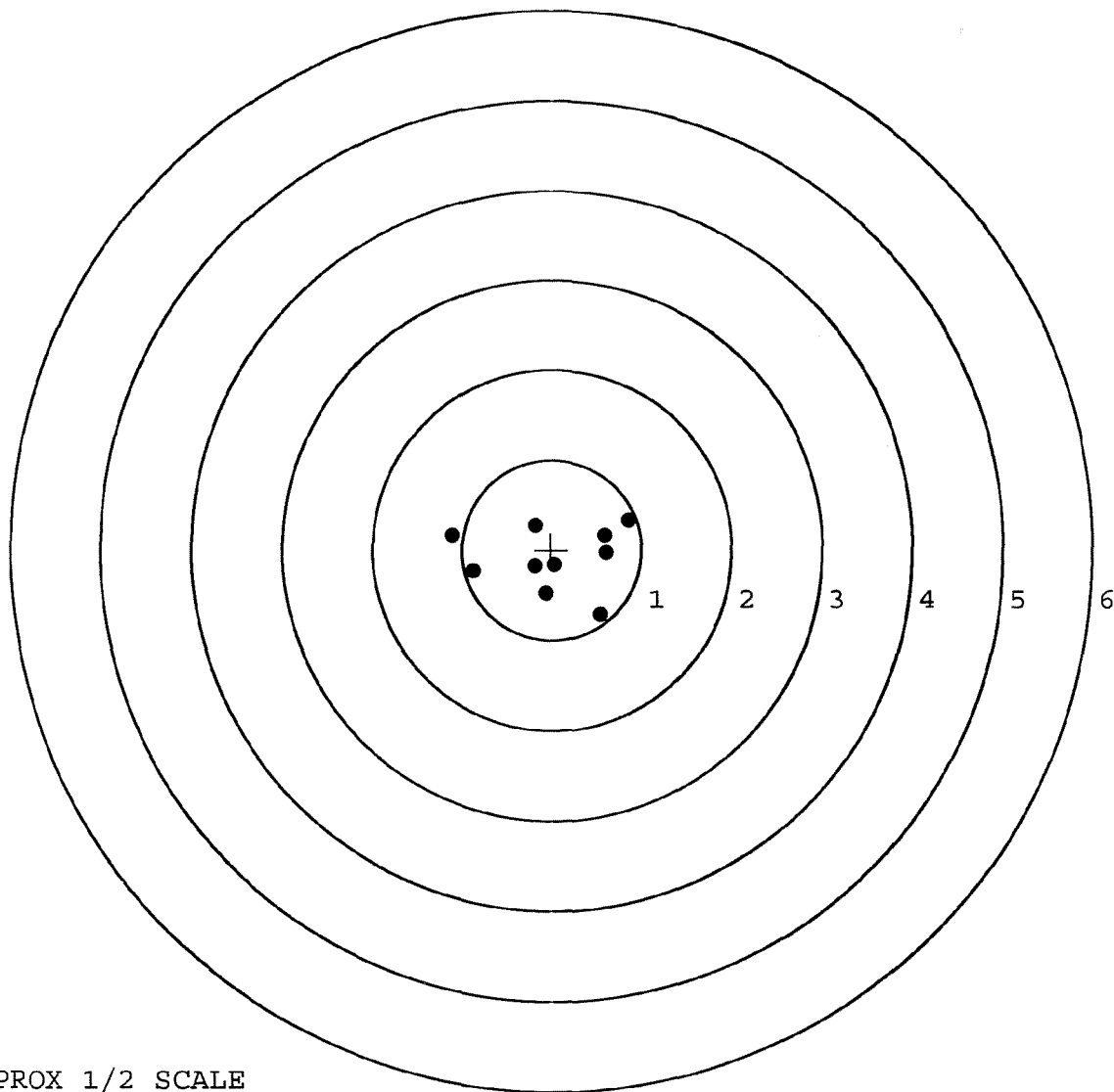
MAX RADIUS: 1.160

MEAN RADIUS: 0.616

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0021642

SERIAL NUMBER: C6594678. __0

TARGET NUMBER: 3

FILE DATE: 12/07/2007

FILE TIME: 09:12

X CENTROID: 0.148

Y CENTROID: 0.023

POA TO CENTROID: 0.150

HORZ SPREAD: 1.529

VERT SPREAD: 1.190

GROUP SPREAD: 1.644

MIN RADIUS: 0.225

MAX RADIUS: 0.962

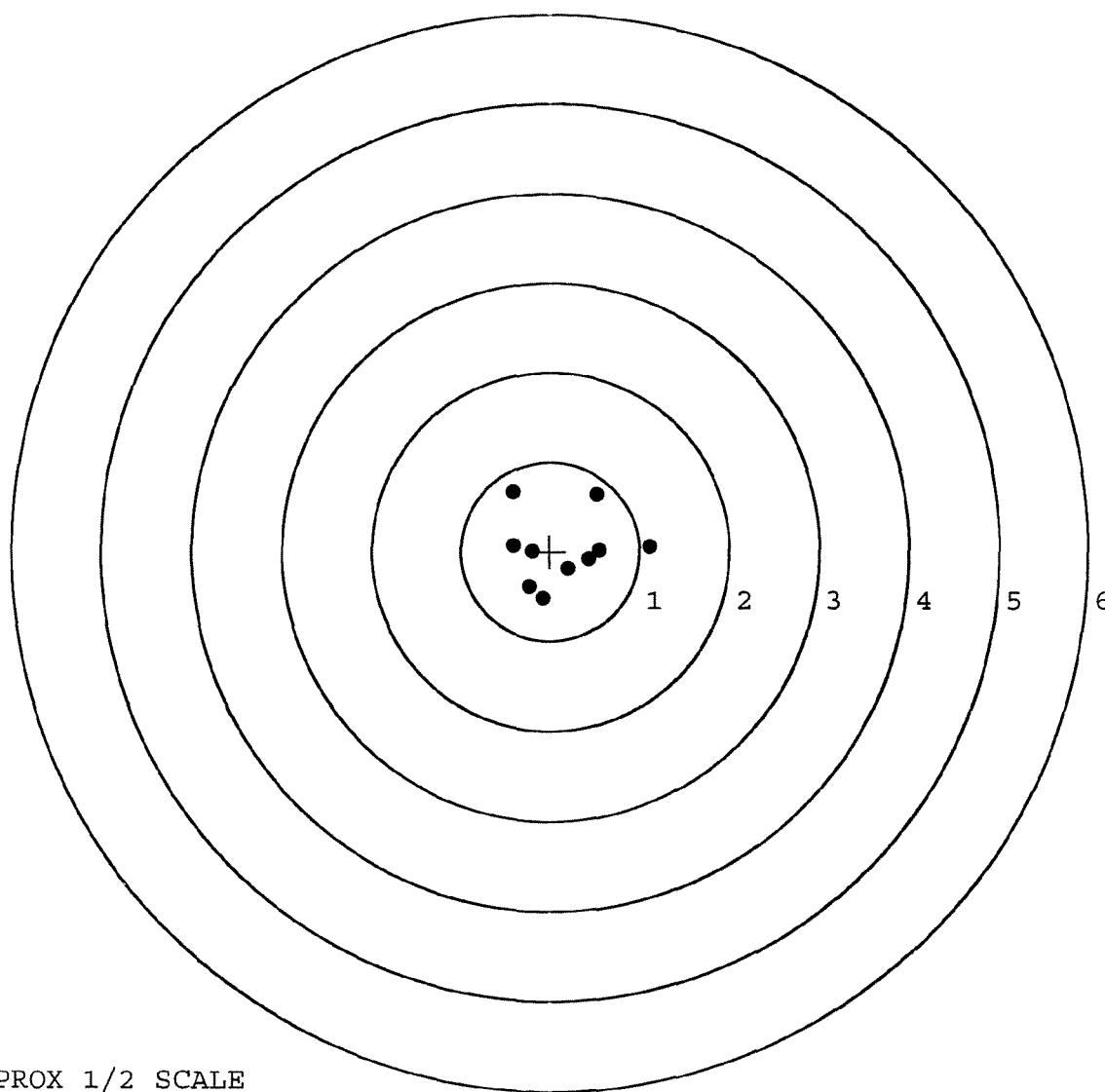
MEAN RADIUS: 0.556

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.109	0.057
2:	0.520	0.643
3:	-0.420	0.662
4:	0.558	0.013
5:	0.438	-0.088
6:	0.206	-0.194
7:	-0.081	-0.528
8:	-0.237	-0.396
9:	-0.199	0.003
10:	-0.414	0.062



TARGET APPROX 1/2 SCALE

BARBER - M24 0021643

SERIAL NUMBER: C6594678. 0

TARGET NUMBER: 4

FILE DATE: 12/07/2007

FILE TIME: 09:12

X CENTROID: -0.018

Y CENTROID: -0.165

POA TO CENTROID: 0.166

HORZ SPREAD: 1.301

VERT SPREAD: 2.233

GROUP SPREAD: 2.311

MIN RADIUS: 0.273

MAX RADIUS: 1.341

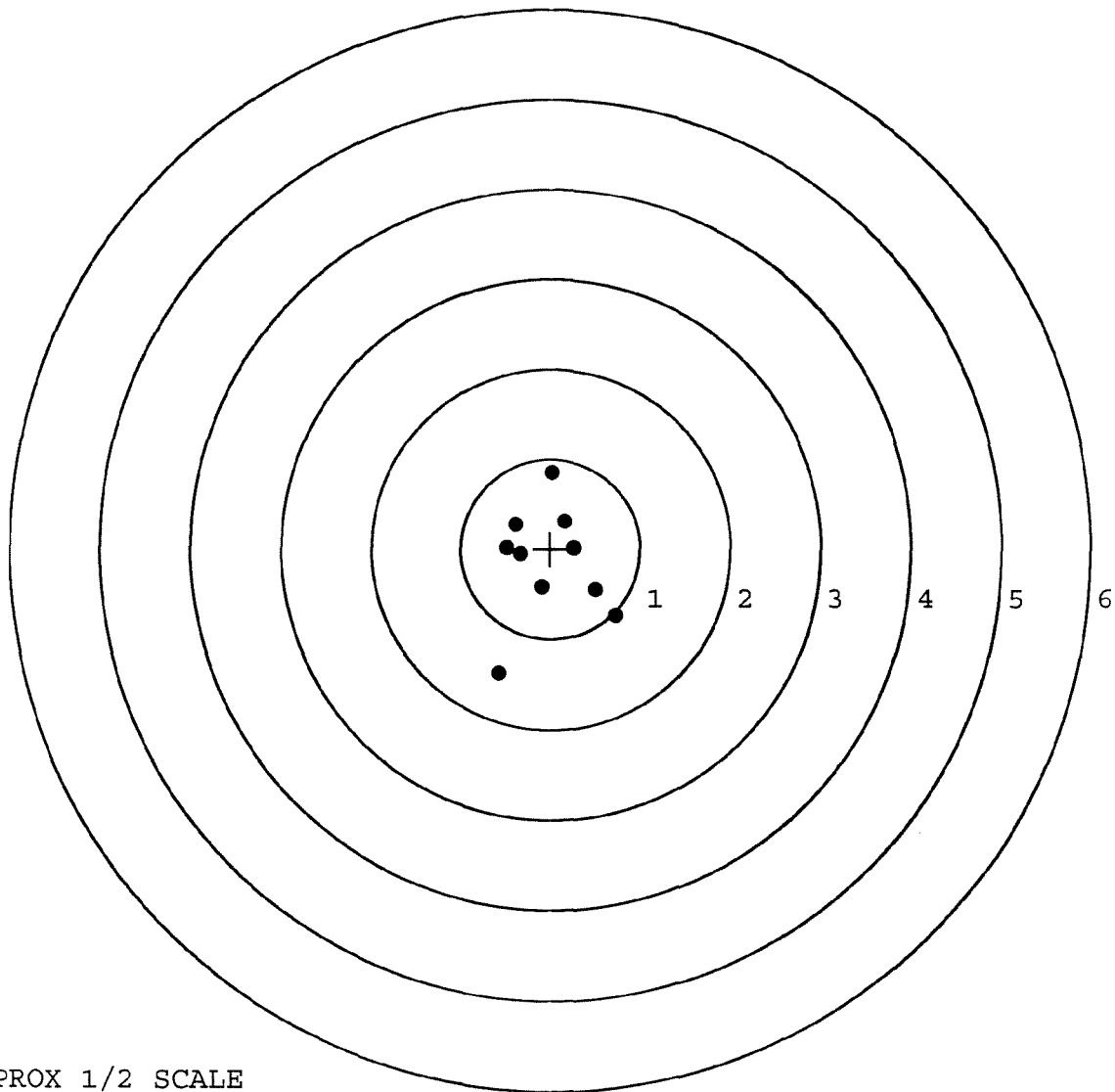
MEAN RADIUS: 0.639

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.023	0.847
2:	0.164	0.304
3:	0.269	-0.004
4:	-0.095	-0.427
5:	-0.574	-1.386
6:	0.727	-0.740
7:	0.505	-0.456
8:	-0.332	-0.065
9:	-0.483	0.010
10:	-0.388	0.267



TARGET APPROX 1/2 SCALE

BARBER - M24 0021644

SERIAL NUMBER: C6594678. __0

TARGET NUMBER: 5

FILE DATE: 12/07/2007

FILE TIME: 09:12

POINT#	X	Y
--------	---	---

1:	1.311	-1.200
----	-------	--------

2:	1.292	-0.288
----	-------	--------

3:	0.734	1.409
----	-------	-------

4:	-1.133	0.374
----	--------	-------

5:	-0.418	-1.012
----	--------	--------

6:	0.184	-0.572
----	-------	--------

7:	-0.233	-0.275
----	--------	--------

8:	-0.421	0.093
----	--------	-------

9:	0.087	0.214
----	-------	-------

10:	0.381	0.183
-----	-------	-------

X CENTROID: 0.178

Y CENTROID: -0.107

POA TO CENTROID: 0.208

HORZ SPREAD: 2.444

VERT SPREAD: 2.609

GROUP SPREAD: 2.681

MIN RADIUS: 0.334

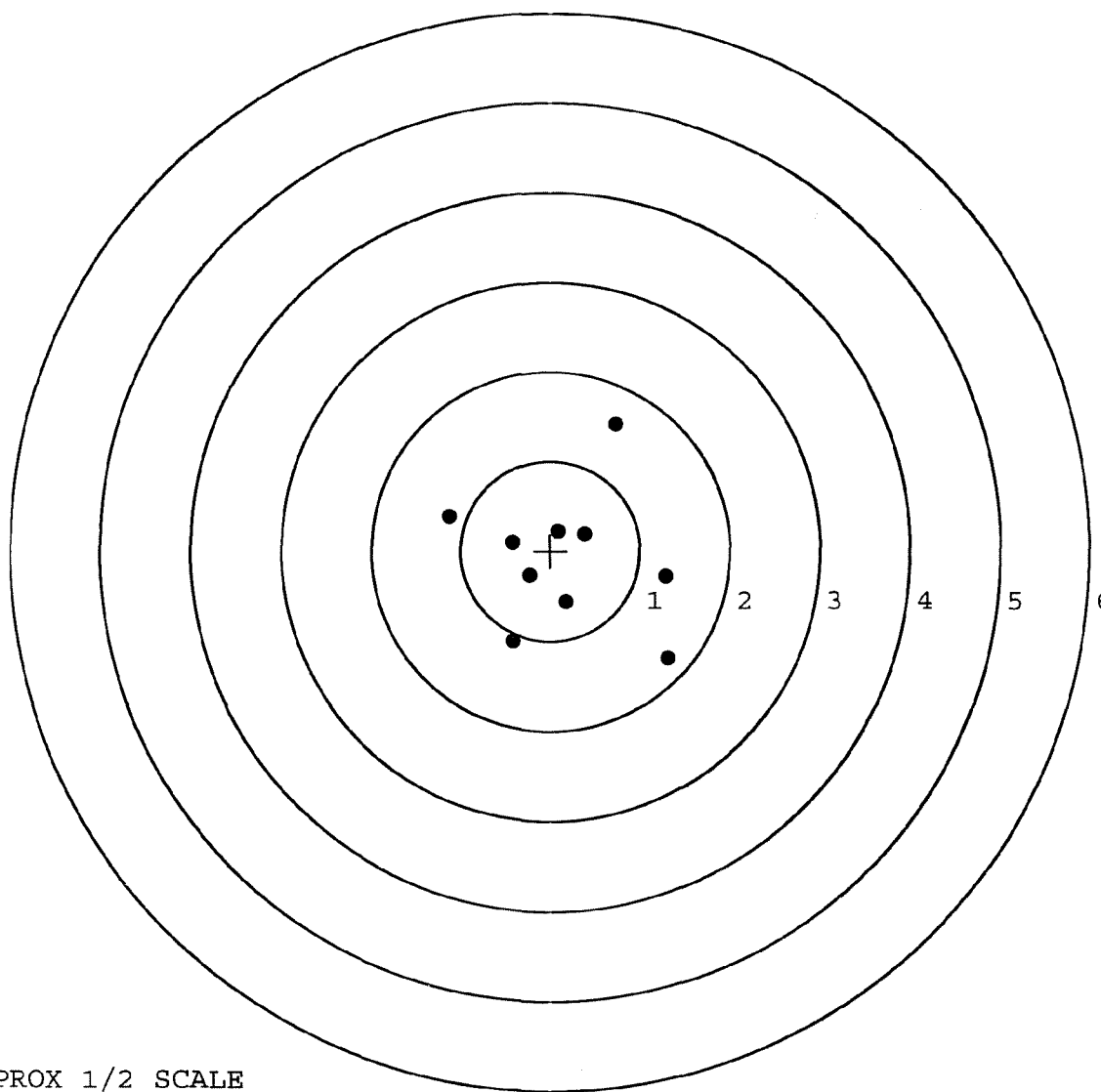
MAX RADIUS: 1.615

MEAN RADIUS: 0.903

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

R & E NUMBER	133032		
SERIAL NUMBER	C6594678		
LOG-IN DATE	8-22-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-5-07	RTL
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF	11-7-07	TRW
605	CHECK HEADSPACE	11-7-07	TRW
610	DIS-ASSEMBLE GUN	11-08-07	TRW
612	MAGNAFLUX	11-14-07	JB
510	DRILL AND TAP	11-8-07	SD
615	ROLLMARK CALIBER	11-30-07	CW
618	ROTO-BLAST	11-14-07	YJ
620	APPLY COATINGS	11/22/07	TRW
625	FINAL ASSEMBLY	12-4-07	RTL
640	FUNCTION TEST AND	(PASS) FAIL	12-6-07 TRW
650	TARGET	(PASS) FAIL	12-6-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		12-6-07 FM
	A) HEADSPACE	(PASS) FAIL	12-7-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	277 275 283 278 281 12-7-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	50 50 45 12-7-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	30 30 30 12-7-07 DA
	I) FIRING PIN INDENT	.020	1023 1022 1023 12-7-07 DA
690	PACK		12-08-07 DA

RECEIVED BARBER M240021685 REPORT

COMMENTS

ORDER

R 94-18370

INITIAL * CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT

ATTN: FRED MARTIN Scope S/N 91-1309

DATE RECEIVED DATE OPENED DATE CODE
06/11/94 06/11/94SERIAL NUMBER
C6594679

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTONAL
36201-5025

CUST NO: 098397 C.E.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN AMMO FUNCTION FINISH ACCURACY FIT INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

REC. ASSY.

B5

WOOD

C1

METAL

C2

E1

F1

E2

F2

E3

F3

E4

F4

E5

F5

MAIN FAULT

PARTS

COMMENTS

Trigger Assy
✓ Scope

✓ Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0021685

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# .50#

3.00# .75#

4.00# 1.00#

SERIAL NO. _____

DATE 8-1996TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.24	2.50		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.39	2.50		
PULL #3	2.32	2.40	2.46		
PULL #4	2.30	2.22	2.57		
PULL #5	2.25	2.18	2.44		
TOTAL	11.77	11.43	12.47		
AVG.	2.35	2.28	2.49		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.06		
PULL #2	3.18	3.12		
PULL #3	3.10	3.16		
PULL #4	3.11	3.09		
PULL #5	3.15	3.07		
TOTAL	15.76	15.50		
AVG.	3.15	3.10		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.35		4.08
PULL #2	4.48	4.38		4.01
PULL #3	4.44	4.43		4.08
PULL #4	4.00	4.37		4.08
PULL #5	4.38	4.41		4.12
TOTAL	21.64	21.94		20.37
AVG.	4.32	4.38		4.07

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594679

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

op. #	BARBER, M24 0021649 OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	8/24/96	Rw
	G) Safety Off Force	3	3	3	8/24/96	Rw
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
660	A) Headspace					
	B) Trigger Pull	2.50	2.40	2.43	2.41	2.41
	C) Function					
660	Package 2					

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

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

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

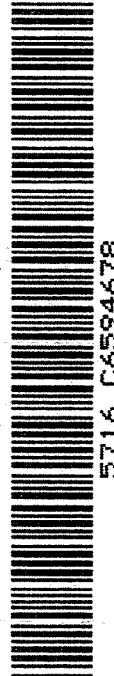
MODEL 700™ M24

SERIAL NO.
C6594678

ORDER NO.
5716

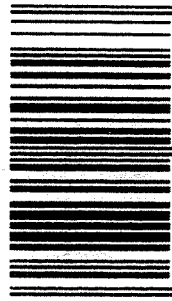
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6594678

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594678

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 16	91	RW
600	1) Proof 2) IF RCT BOLT	1 16	91	RW
607 22	1) Check Headspace 2) IF RCT BOLT	1 16	91	RW
610	Dis-assemble Gun	1 16	91	RW
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt	1 18	91	KR
615	Rollmark Caliber	1 18	91	LS
617	Drill and Tap Sight Holes	1 24	91	LB
618	Polish Barrel	1 24	91	WB
620	Apply Coatings (Barrel Action)		2-15-91	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		3-1-91	JA

op. #	BARBER M24 0021652	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			3/1/91	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			3/1/91	WB
	H) Trigger Pull Test & Retainability						3-1-91	JH
	I) Firing Pin Indent	.0225	.023	.023			3/1/91	WB
	J) Assemble Stock						3/1/91	RW
	K) Assemble Swivel Studs						3-6-91	DH
	L) Attach Front and Rear Sight Assemblies						3/1/91	RW
	M) Iron Sight Alignment						3/1/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/1/91	RW
	O) Attach Scope to Rifle						3/1/91	RW
	P) Detach & Attach Scope 20 Times						3/1/91	RW
640	Gallery Target & Test						3-4-91	DH
	A) Time						3-4-91	DH
	B) Malfunctions						3-4-91	DH
	C) Pierced Primers						3-4-91	DH
	D) Optical Clarity of Scope						3-4-91	DH
645	Inspect for Live Ammo						3-4-91	DH
655	Final Inspection							
	A) Headspace						3-6-91	DH
	B) Trigger Pull	2.15	2.22	2.19	2.22	2.22	3-5-91	JH
	C) Function						3-6-91	DH
660	Pack						3-15-91	DH

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

SERIAL NO. C6594678
DATE 3-1-90
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS (I)
PULL #1	2.45	2.43	2.38	2.15	MIN. SETTING,
PULL #2	2.34	2.35	2.30	2.22	NO AVG. OF 5
PULL #3	2.31	2.37	2.36	2.19	READINGS ACCEPT-
PULL #4	2.19	2.38	2.38	2.22	ABLE LESS THAN 2#
PULL #5	2.24	2.31	2.38	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS (I)	
PULL #1	3.27	3.50		
PULL #2	3.29	3.34		
PULL #3	3.26	3.29		
PULL #4	3.24	3.26		
PULL #5	3.20	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.28		4.24
PULL #2	4.33	4.30		4.24
PULL #3	4.28	4.35		4.17
PULL #4	4.28	4.30		4.16
PULL #5	4.30	4.32		4.20
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594678
4 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.262975
1 TO	2	.721911
1 TO	3	.566167
1 TO	4	.353624
1 TO	5	.648767

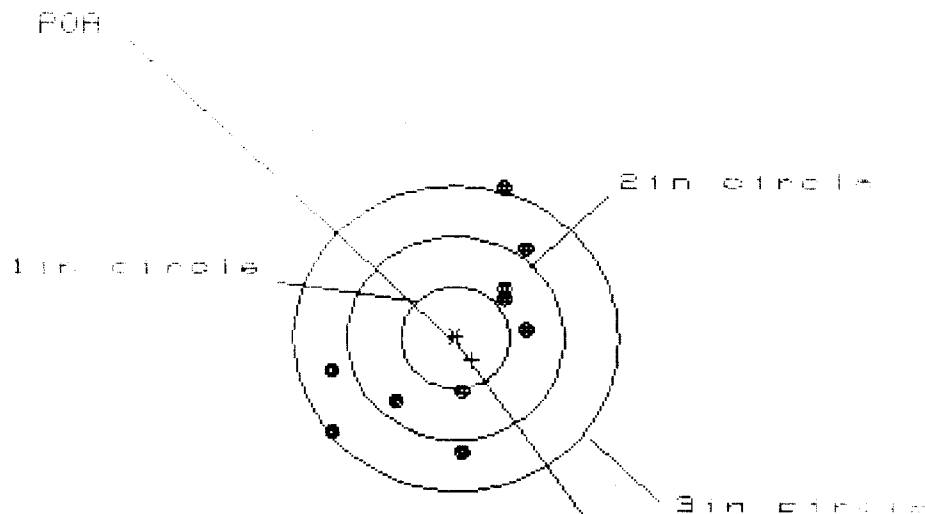
$\bar{x} =$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .159
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1024
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .189121
THE AMR FOR THIS RIFLE IS: .9526

4 MAY 1991

FILE # PATTERNING/CENTERFIRE_PATT/C6594678

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 0

2 in - 5

3 in - 9

HS - 1.867

VS - 2.590

GS - 2.829

CENTROID +

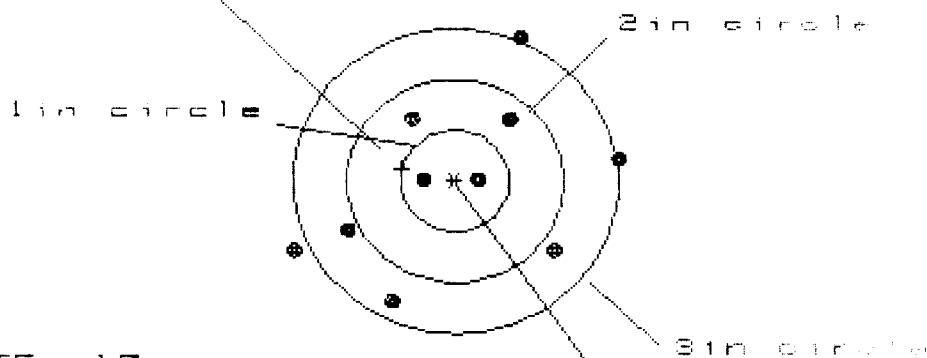
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.674	.725	.592
MINIMUM X	-1.192	-1.142	-1.275
MAXIMUM Y	1.491	1.090	1.002
MINIMUM Y	-1.099	-.933	-1.021
CENTROID X	-.150	-.201	-.068
CENTROID Y	.216	.050	.138
POA TO CENTROID in.	.263	.207	.154
MIN RADIUS	.534	.382	.452
MEAN RADIUS	.974	.896	.931
MAX RADIUS	1.558	1.283	1.301
HORIZONTAL SPREAD	1.867	1.867	1.867
VERTICAL SPREAD	2.590	2.023	2.023
EXTREME SPREAD	2.829	2.496	2.212
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

4 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594678

CENTERFIRE PATTERNS # 2

POA



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 4

3 in - 7

HS - 2.986

VS - 2.599

GS - 3.126

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.525	1.362	1.422
MINIMUM X	:	-1.461	-1.163	-1.103
MAXIMUM Y	:	1.421	1.346	.759
MINIMUM Y	:	-1.178	-1.253	-1.085
CENTROID X	:	.490	.653	.593
CENTROID Y	:	-.118	-.043	-.211
POA TO CENTROID in.	:	.504	.654	.629
MIN RADIUS	:	.163	.068	.117
MEAN RADIUS	:	1.035	.961	.903
MAX RADIUS	:	1.609	1.442	1.463
HORIZONTAL SPREAD	:	2.986	2.525	2.525
VERTICAL SPREAD	:	2.599	2.599	1.844
EXTREME SPREAD	:	3.126	2.859	2.625
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.641

VS= 1.509

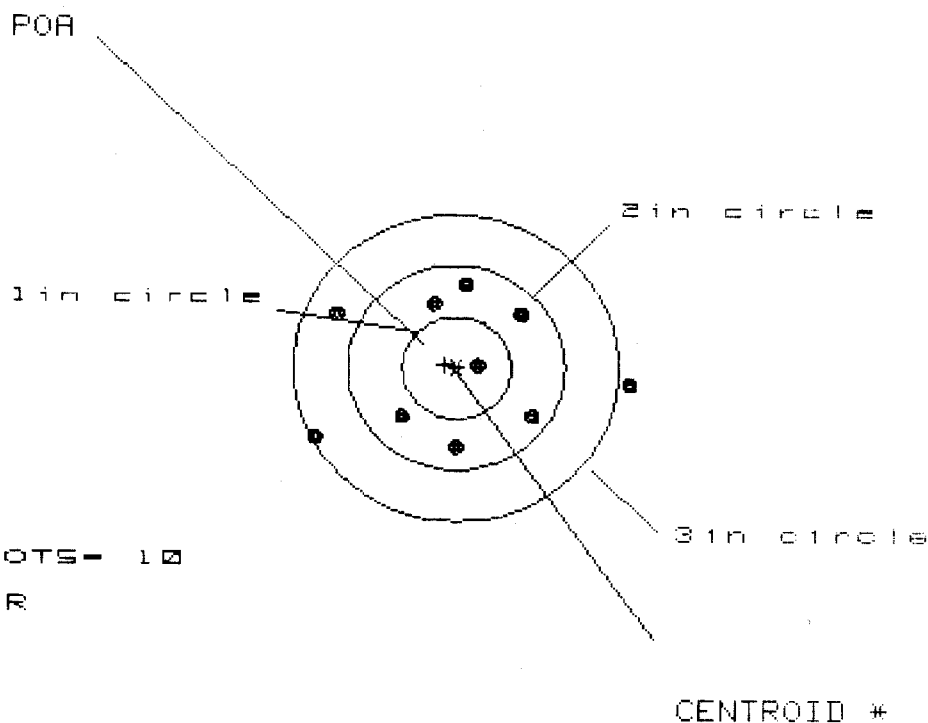
GS= 2.851

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.378	.787	.648
MINIMUM X	:	-1.263	-1.110	-.692
MAXIMUM Y	:	.871	.800	.846
MINIMUM Y	:	-.638	-.618	-.572
CENTROID X	:	.083	-.070	.069
CENTROID Y	:	-.300	-.229	-.275
POA TO CENTROID in.	:	.311	.239	.283
MIN RADIUS	:	.356	.212	.347
MEAN RADIUS	:	.789	.694	.629
MAX RADIUS	:	1.518	1.169	.869
HORIZONTAL SPREAD	:	2.641	1.897	1.348
VERTICAL SPREAD	:	1.509	1.418	1.418
EXTREME SPREAD	:	2.851	2.039	1.545
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.900

VS = 1.581

GS = 2.944

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.564	.849	.704
MINIMUM X	:	-1.337	-1.163	-1.108
MAXIMUM Y	:	.842	.824	.738
MINIMUM Y	:	-.739	-.757	-.843
CENTROID X	:	.105	-.068	.077
CENTROID Y	:	-.029	-.011	.075
POA TO CENTROID in.	:	.110	.069	.108
MIN RADIUS	:	.225	.393	.251
MEAN RADIUS	:	.903	.835	.741
MAX RADIUS	:	1.572	1.353	1.174
HORIZONTAL SPREAD	:	2.900	2.012	1.812
VERTICAL SPREAD	:	1.581	1.581	1.581
EXTREME SPREAD	:	2.944	2.261	2.053
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.671

VS = 2.622

GS = 3.555

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.606	1.154	1.074
MINIMUM X	:	-1.065	-.887	-.967
MAXIMUM Y	:	1.488	1.365	.830
MINIMUM Y	:	-1.134	-1.257	-1.086
CENTROID X	:	.267	.089	.169
CENTROID Y	:	-.281	-.158	-.329
POA TO CENTROID in.	:	.388	.181	.369
MIN RADIUS	:	.420	.272	.392
MEAN RADIUS	:	1.062	.928	.860
MAX RADIUS	:	1.953	1.600	1.417
HORIZONTAL SPREAD	:	2.671	2.041	2.041
VERTICAL SPREAD	:	2.622	2.622	1.916
EXTREME SPREAD	:	3.555	3.088	2.250
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	