

C6594602

MODEL 760™ M24

Model **SMS**™

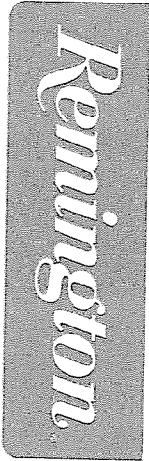
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

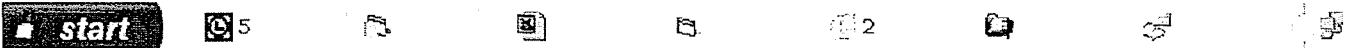




File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Number: RE00080986	Serial: C6594602 Model M24 SWS Center Fire Caliber: 7 62 NATO	Repairman:	Status: New 5/18/2004 7:15:58 AM															
Verify Repair																		
Address Information																		
Customer: ☐ Received From	Return To: ☐ Received From																	
Name: 2125TH GSU	Name: 2125TH GSU																	
Address 1: BLDG AT 5722	Address 1: BLDG AT 5722																	
Address 2: ATTN 3 116TH IN CSM McGhee PO Box:	Address 2: ATTN 3 116TH IN CSM McGhee PO Box:																	
City: FORT BRAGG	City: 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: 910 432 7071 Fax: Email: doc.mcgee@us.army.mil Comments:	Received Condition Fair Condition Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>C000</td> <td>Frt and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>		Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	C000	Frt and Rear Sgt Base	1
Code	Desc	Qty																
A007	With Stud	3																
A010	Hard Case	1																
A017	Scope Base	1																
C000	Frt and Rear Sgt Base	1																
Repair Search	Refresh	Close																

nagletj 5/18/2004 7:37 AM CASE NUM INS SCRL



FORT Polk

Serial: **C6594602**
 Model: **M24 SWS**

RE00080986

FIREARMS INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127SERIAL # C6594602INSPECTED BY: RTLDATE REC'D: 5-17-04DATE RET'D: 6-7-04

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

BARBER - M24 0020065AVERAGE 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

3-16-04

TESTER

RW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.40	2.27		2.32	
PULL #2	2.43	2.15		2.25	
PULL #3	2.32	2.26		2.30	
PULL #4	2.35	2.21		2.32	
PULL #5	2.32	2.24		2.27	
TOTAL	11.82	11.13		11.46	
AVERAGE	2.36	2.23		2.29	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.15		
PULL #2	3.11	3.14		
PULL #3	3.13	3.18		
PULL #4	3.17	3.19		
PULL #5	3.03	3.21		
TOTAL	15.56	15.87		
AVERAGE	3.11	3.17		

	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	4.27	4.09		4.22
PULL #2	4.18	4.03		4.28
PULL #3	4.27	4.10		4.25
PULL #4	4.17	4.16		4.20
PULL #5	4.30	4.17		4.18
TOTAL	21.19	20.55		21.13
AVERAGE	4.24	4.11		4.23

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594602.___0
FILE DATE AND TIME: 06/07/2004 06:30

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:	-0.072
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.647
The Distance from POA to Centroid Target #1:	0.223
The Distance from Centroid Target #2 to Centroid Target #1:	0.272
The Distance from Centroid Target #3 to Centroid Target #1:	0.026
The Distance from Centroid Target #4 to Centroid Target #1:	0.462
The Distance from Centroid Target #5 to Centroid Target #1:	0.194

SERIAL NUMBER: C6594602. 0

TARGET NUMBER: 1

FILE DATE: 06/07/2004

FILE TIME: 06:30

POINT#	X	Y
1:	-0.223	0.844
2:	0.105	0.407
3:	0.479	0.215
4:	0.339	-0.088
5:	-0.263	0.258
6:	-0.185	-0.500
7:	-0.616	-0.060
8:	-0.393	-0.124
9:	-0.842	-0.805
10:	-0.446	-1.041

X CENTROID: -0.204

Y CENTROID: -0.089

POA TO CENTROID: 0.223

HORZ SPREAD: 1.321

VERT SPREAD: 1.885

GROUP SPREAD: 1.898

MIN RADIUS: 0.192

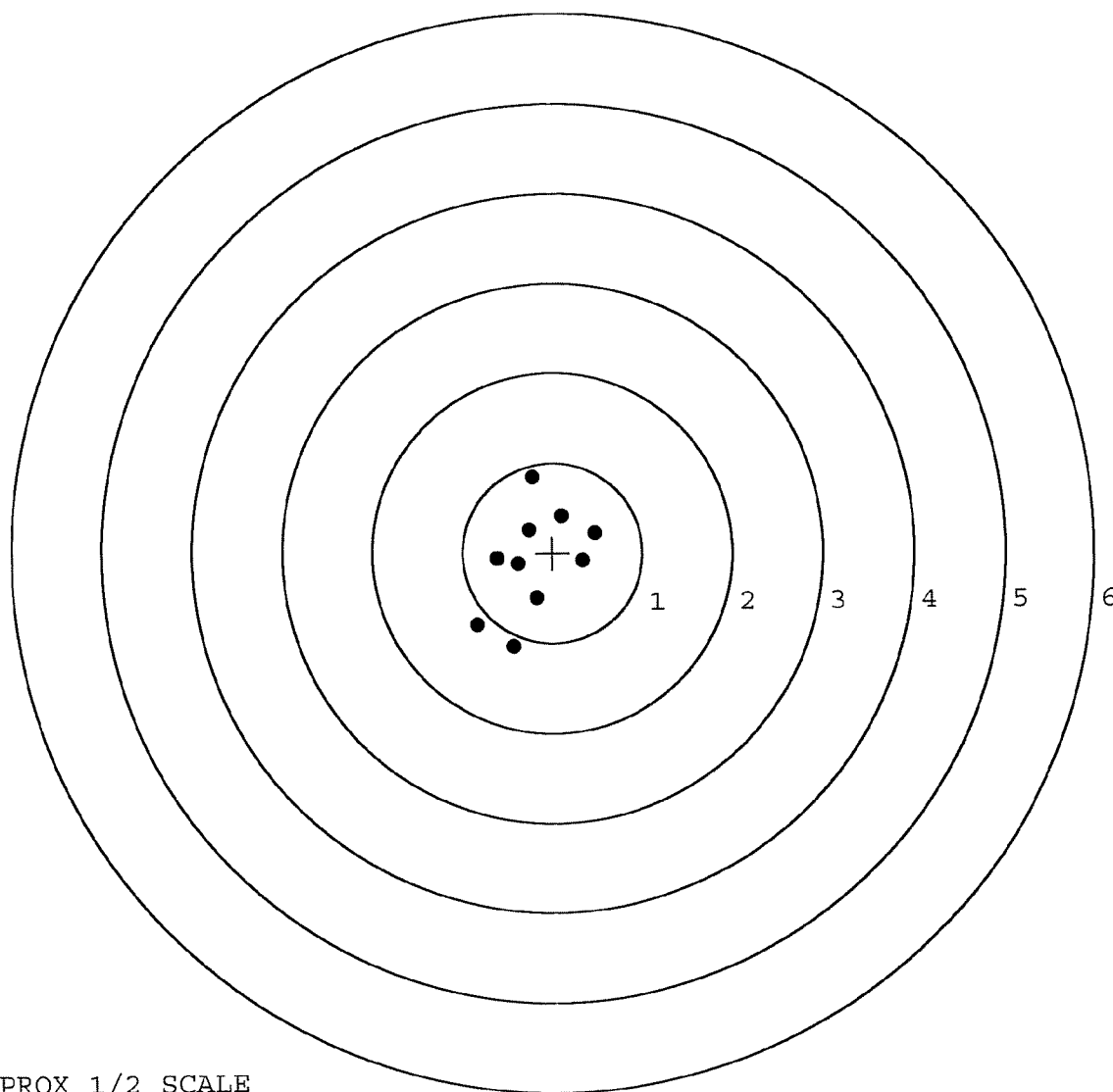
MAX RADIUS: 0.982

MEAN RADIUS: 0.612

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594602. __0

TARGET NUMBER: 2

FILE DATE: 06/07/2004

FILE TIME: 06:30

POINT#	X	Y
1:	1.208	-0.445
2:	0.317	-0.542
3:	0.554	-0.129
4:	-0.319	0.556
5:	-1.033	-0.268
6:	-0.256	0.007
7:	0.034	0.195
8:	0.198	-0.113
9:	-0.006	-0.125
10:	-0.019	0.039

X CENTROID: 0.068

Y CENTROID: -0.083

POA TO CENTROID: 0.107

HORZ SPREAD: 2.241

VERT SPREAD: 1.098

GROUP SPREAD: 2.248

MIN RADIUS: 0.085

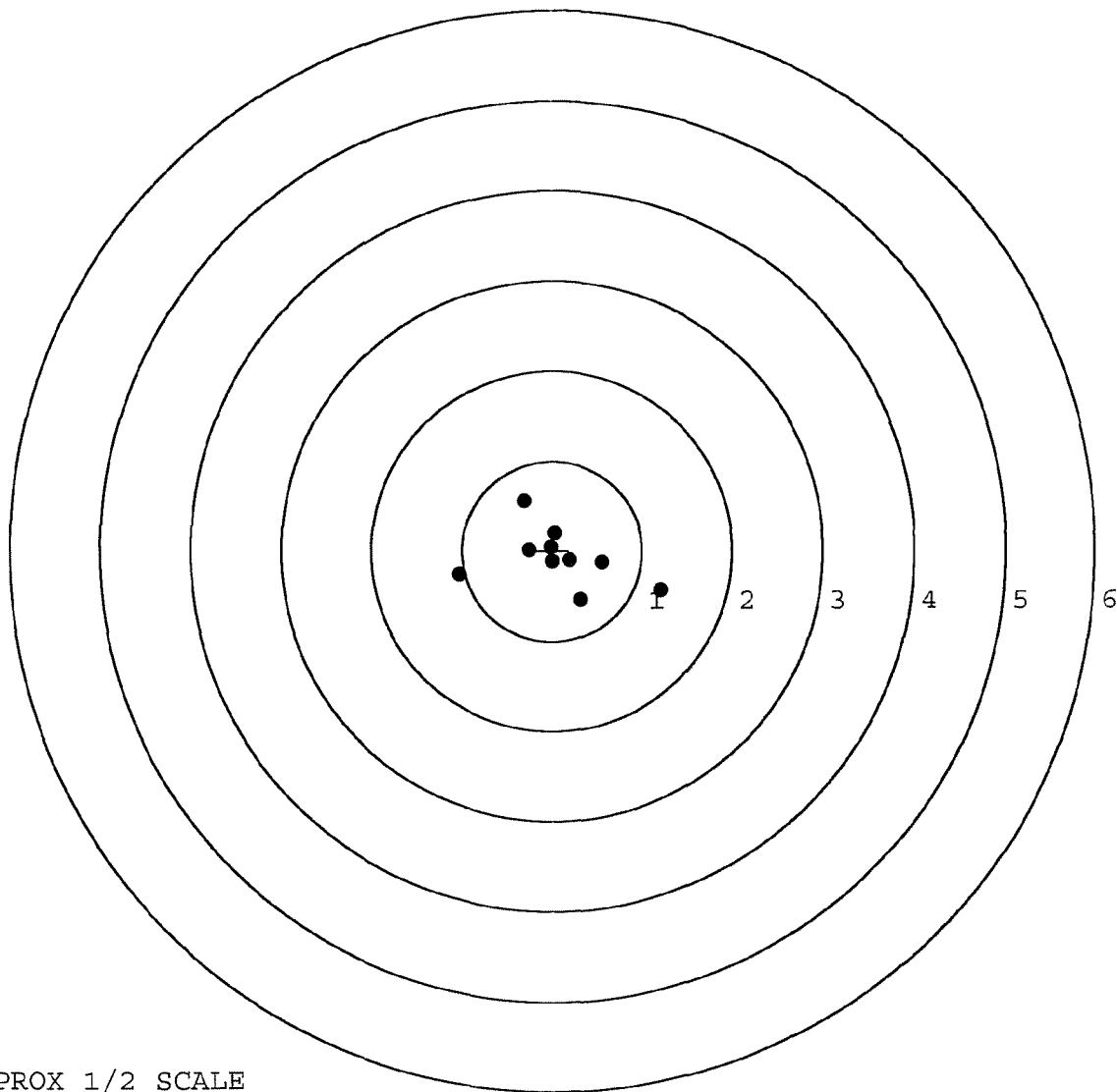
MAX RADIUS: 1.196

MEAN RADIUS: 0.505

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594602. 0

TARGET NUMBER: 3

FILE DATE: 06/07/2004

FILE TIME: 06:30

X CENTROID: -0.195

Y CENTROID: -0.113

POA TO CENTROID: 0.225

HORZ SPREAD: 1.811

VERT SPREAD: 1.419

GROUP SPREAD: 2.081

MIN RADIUS: 0.291

MAX RADIUS: 1.127

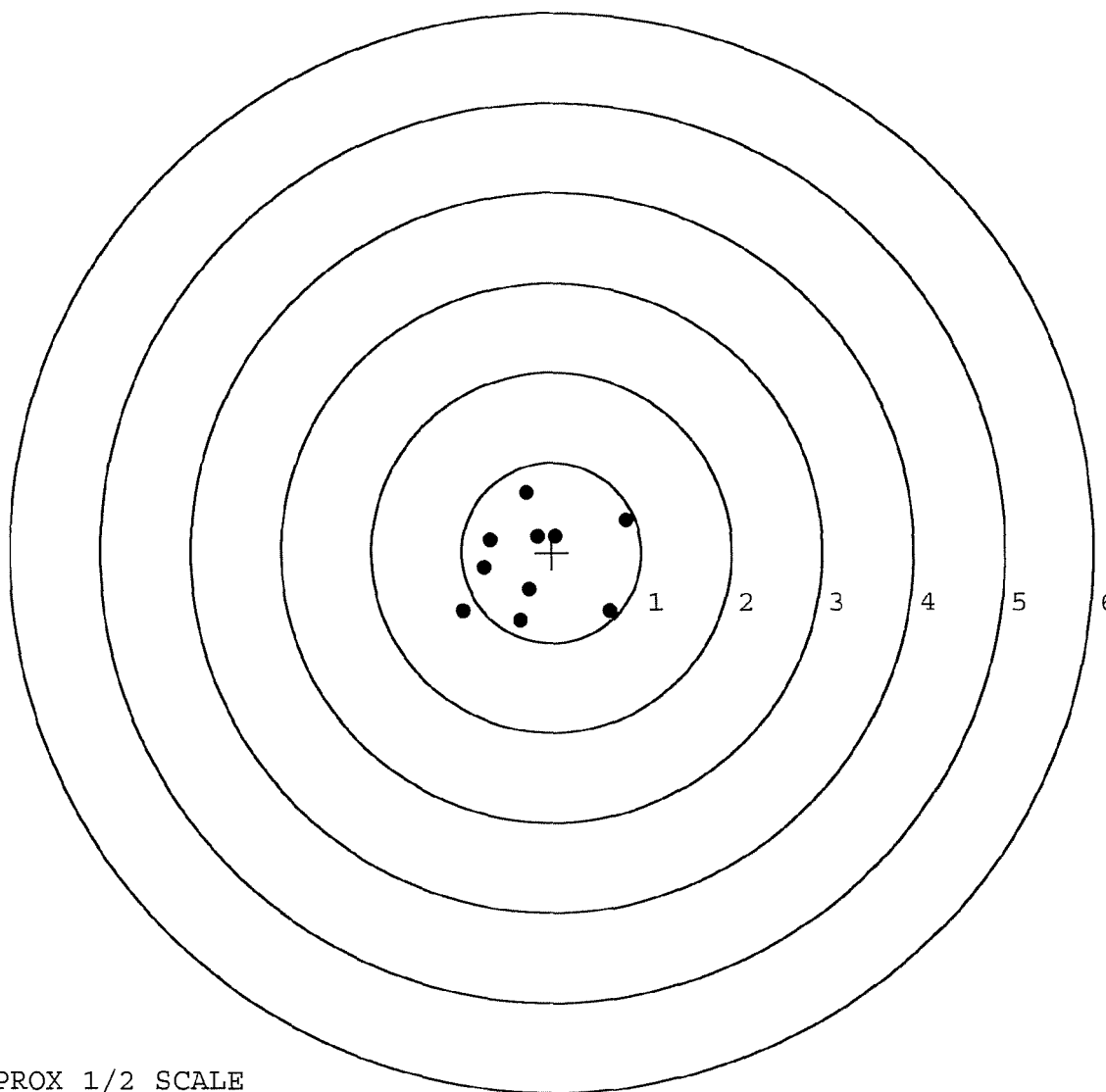
MEAN RADIUS: 0.662

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.825	0.366
2:	0.650	-0.652
3:	-0.281	0.660
4:	0.046	0.184
5:	-0.158	0.175
6:	-0.257	-0.416
7:	-0.353	-0.759
8:	-0.986	-0.659
9:	-0.747	-0.174
10:	-0.686	0.142



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594602. 0

TARGET NUMBER: 4

FILE DATE: 06/07/2004

FILE TIME: 06:30

X CENTROID: 0.252

Y CENTROID: -0.018

POA TO CENTROID: 0.253

HORZ SPREAD: 2.260

VERT SPREAD: 1.706

GROUP SPREAD: 2.499

MIN RADIUS: 0.242

MAX RADIUS: 1.357

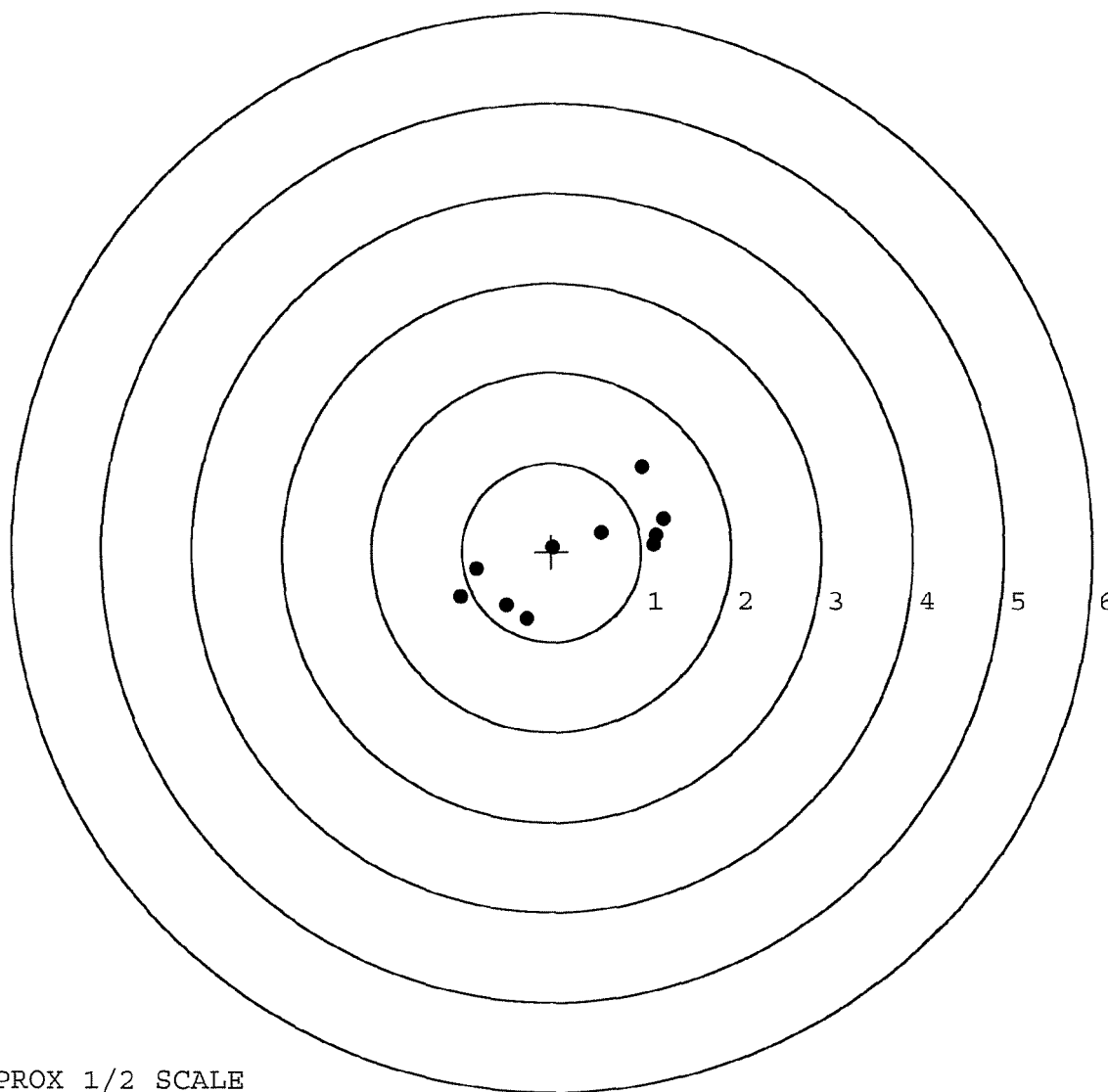
MEAN RADIUS: 0.908

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.009	0.958
2:	1.248	0.371
3:	1.143	0.086
4:	0.557	0.219
5:	0.019	0.047
6:	-0.835	-0.195
7:	-1.012	-0.512
8:	-0.277	-0.748
9:	-0.502	-0.595
10:	1.172	0.191



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594602. 0

TARGET NUMBER: 5

FILE DATE: 06/07/2004

FILE TIME: 06:30

X CENTROID: -0.013

Y CENTROID: -0.058

POA TO CENTROID: 0.060

HORZ SPREAD: 1.469

VERT SPREAD: 1.462

GROUP SPREAD: 1.655

MIN RADIUS: 0.039

MAX RADIUS: 1.102

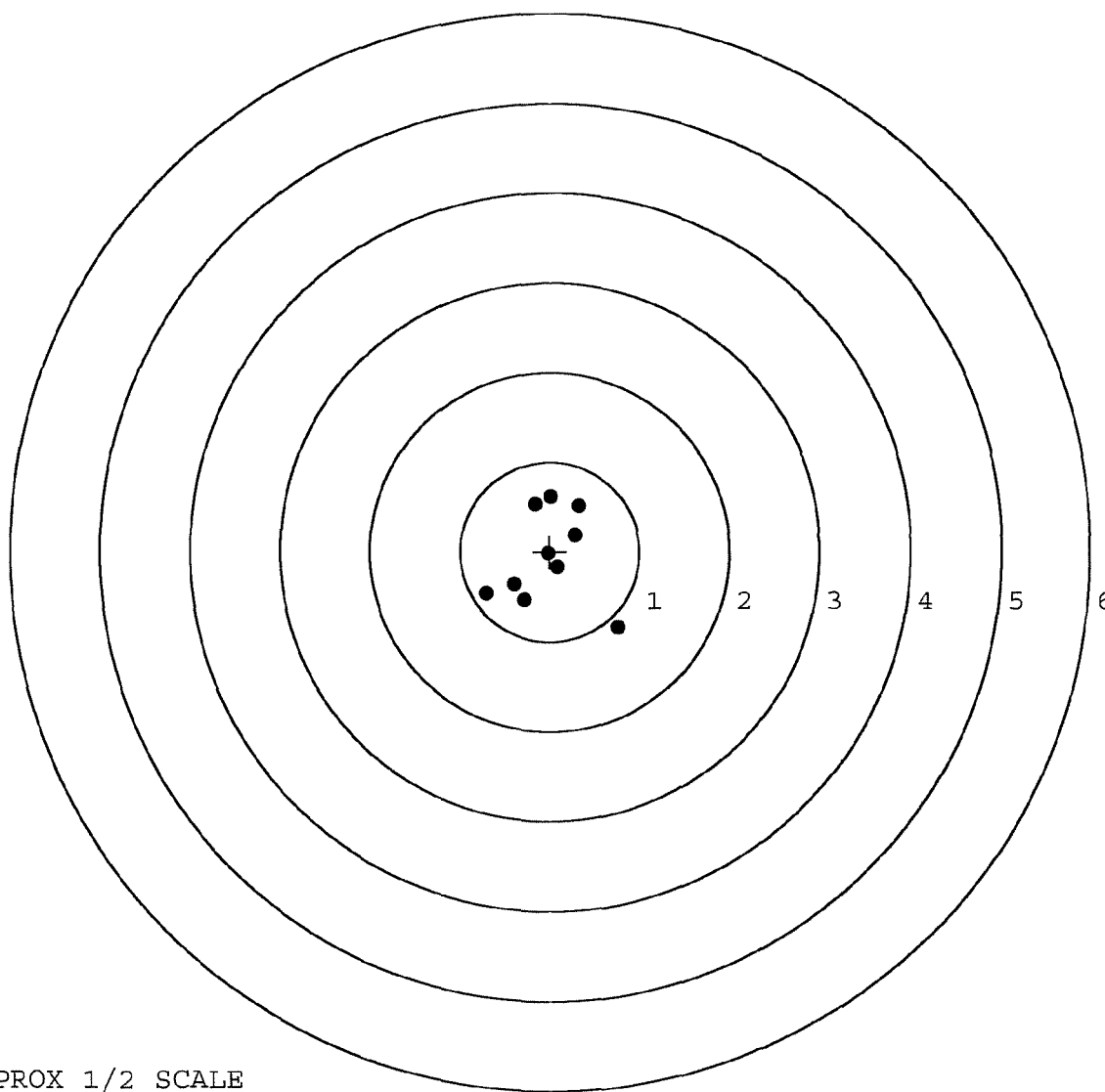
MEAN RADIUS: 0.549

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.762	-0.842
2:	-0.707	-0.467
3:	-0.406	-0.373
4:	-0.287	-0.545
5:	-0.167	0.528
6:	0.325	0.510
7:	0.280	0.185
8:	-0.025	-0.021
9:	0.082	-0.178
10:	0.010	0.620



TARGET APPROX 1/2 SCALE



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

MODEL 700™ M24

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

SERIAL NO.
C6594602

ORDER NO.
5716

20



5716 C6594602

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594602

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GLB
617	Drill and Tap Sight Holes	1 10 91		FB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-26-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-6-91	GU

BARBER - M24 0020075							
op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4	2/6/91	WB	
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	2/6/91	WB	
	H) Trigger Pull Test & Retainability				2-26-91	RL	
	I) Firing Pin Indent	.022	.022	.022	2/6/91	WB	
	J) Assemble Stock				2/6/91	RW	
	K) Assemble Swivel Studs				2-26-91	AC	
	L) Attach Front and Rear Sight Assemblies				2/6/91	RW	
	M) Iron Sight Alignment				2/6/91	RW	
	N) Detach Front & Rear Sights & place in numbered container				2/6/91	RW	
	O) Attach Scope to Rifle				2/6/91	RW	
	P) Detach & Attach Scope 20 Times				2/6/91	RW	
640	Gallery Target & Test				2-6-91	NF	
	A) Time				"	NF	
	B) Malfunctions				"	NF	
	C) Pierced Primers				"	NF	
	D) Optical Clarity of Scope				"	NF	
645	Inspect for Live Ammo				2-6-91	NF	
655	Final Inspection						
	A) Headspace				2-26-91	AC	
	B) Trigger Pull	2.48	2.42	2.41	2.38	2.42	2/22/91
	C) Function				2-26-91	AC	
660	Pack				3-18-91	NF	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594602

DATE 2-6-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.39	2.38	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.33	2.35	2.42	
PULL #3	2.35	2.40	2.30	2.41	
PULL #4	2.38	2.39	2.36	2.38	
PULL #5	2.35	2.37	2.30	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.50		
PULL #2	3.22	3.51		
PULL #3	3.40	3.16		
PULL #4	3.50	3.21		
PULL #5	3.49	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.26		4.23
PULL #2	4.24	4.26		4.32
PULL #3	4.24	4.28		4.19
PULL #4	4.25	4.26		4.33
PULL #5	4.26	4.25		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594602
7 Feb 1991

CENTROIDAL DISTANCES

Ø TO	1	.10819
1 TO	2	.194466
1 TO	3	.325386
1 TO	4	.476203
1 TO	5	.311416

24
21 <----POA

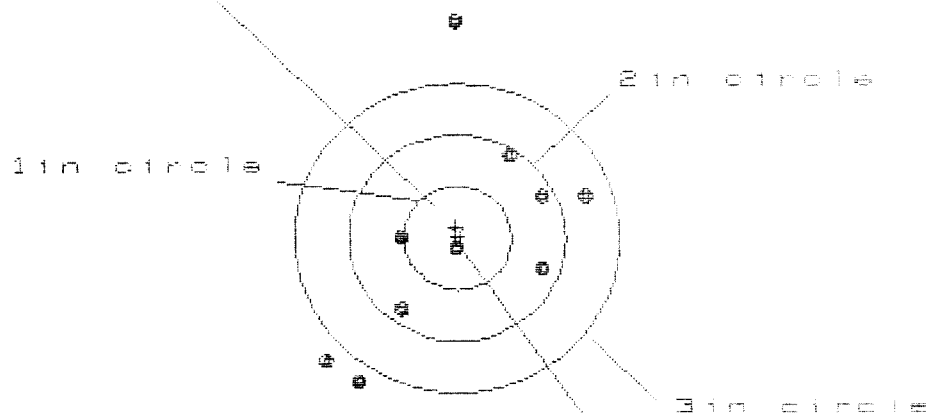
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0886
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1000
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .134204
THE AMR FOR THIS RIFLE IS: .9268

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65346B2

CENTERFIRE PATTERNS # 1

POB



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 7

HS = 0.444

VS = 0.507

GS = 0.610

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.183	1.625
MINIMUM X	:	-1.255	-1.261	-1.079
MAXIMUM Y	:	2.112	1.046	.924
MINIMUM Y	:	-1.395	-1.160	-1.282
CENTROID X	:	.016	.022	.180
CENTROID Y	:	-.107	-.342	-.220
POB TO CENTROID in.	:	.108	.343	.284
MIN RADIUS	:	.097	.144	.190
MEAN RADIUS	:	1.090	.971	.875
MAX RADIUS	:	2.113	1.594	1.676
HORIZONTAL SPREAD	:	2.444	2.444	2.104
VERTICAL SPREAD	:	3.507	2.206	2.206
EXTREME SPREAD	:	3.610	2.903	2.730
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	

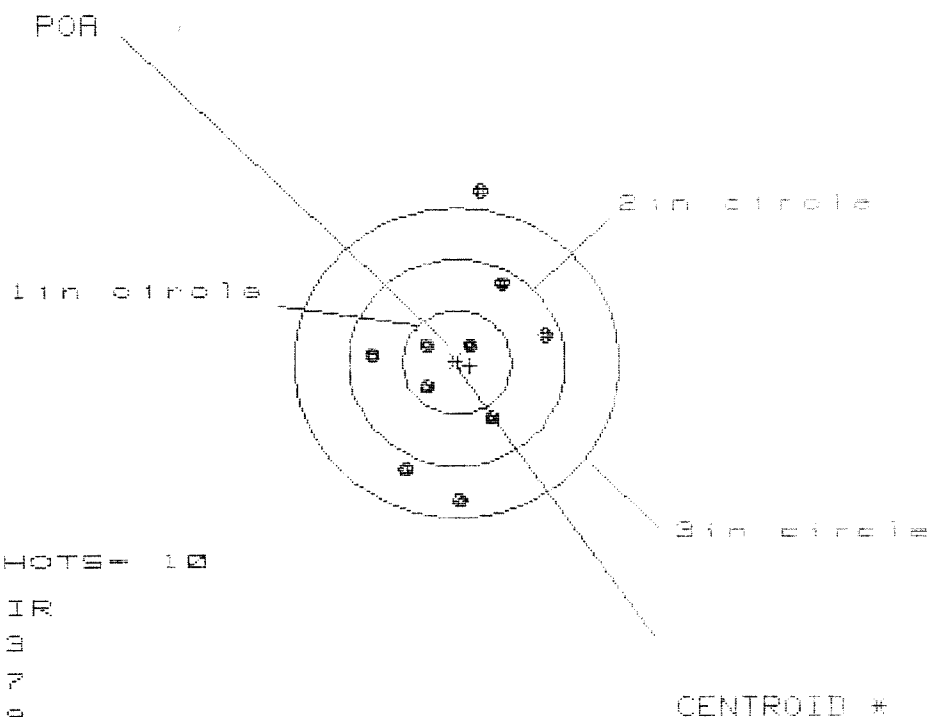
BARBER - M24 0020079

NUMBER IN THREE INCH CIRCLE = 7

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594602

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.543

VS= 3.040

GS= 3.045

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.795	.816	.819
MINIMUM X	:	-.748	-.727	-.724
MAXIMUM Y	:	1.701	.933	.789
MINIMUM Y	:	-1.339	-1.150	-.953
CENTROID X	:	-.120	-.141	-.144
CENTROID Y	:	.032	-.157	-.013
POR TO CENTROID in.	:	.125	.211	.145
MIN RADIUS	:	.181	.210	.232
MEAN RADIUS	:	.802	.699	.621
MAX RADIUS	:	1.711	1.151	1.058
HORIZONTAL SPREAD	:	1.543	1.543	1.543
VERTICAL SPREAD	:	3.040	2.083	1.742
EXTREME SPREAD	:	3.045	2.121	1.955
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594682

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.971

VS= 1.531

GS= 2.422

CENTROID +

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.123	1.238	.637
MINIMUM X	:	-.848	-.733	-.579
MAXIMUM Y	:	.855	.774	.711
MINIMUM Y	:	-.676	-.581	-.644
CENTROID X	:	-.014	-.129	-.284
CENTROID Y	:	.217	.122	.185
POA TO CENTROID in.	:	.218	.177	.338
MIN RADIUS	:	.092	.211	.284
MEAN RADIUS	:	.761	.700	.609
MAX RADIUS	:	1.338	1.335	.865
HORIZONTAL SPREAD	:	1.971	1.971	1.215
VERTICAL SPREAD	:	1.531	1.355	1.355
EXTREME SPREAD	:	2.422	2.042	1.449
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	

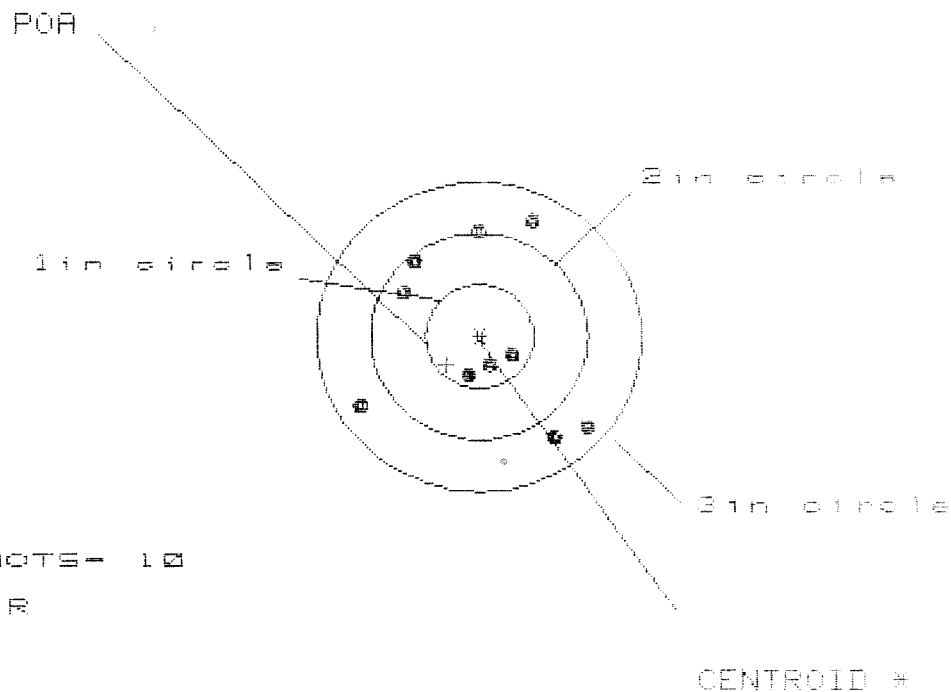
BARBER - M24 0020082

NUMBER IN THREE INCH CIRCLE = 10

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594682

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.137

VS= 2.078

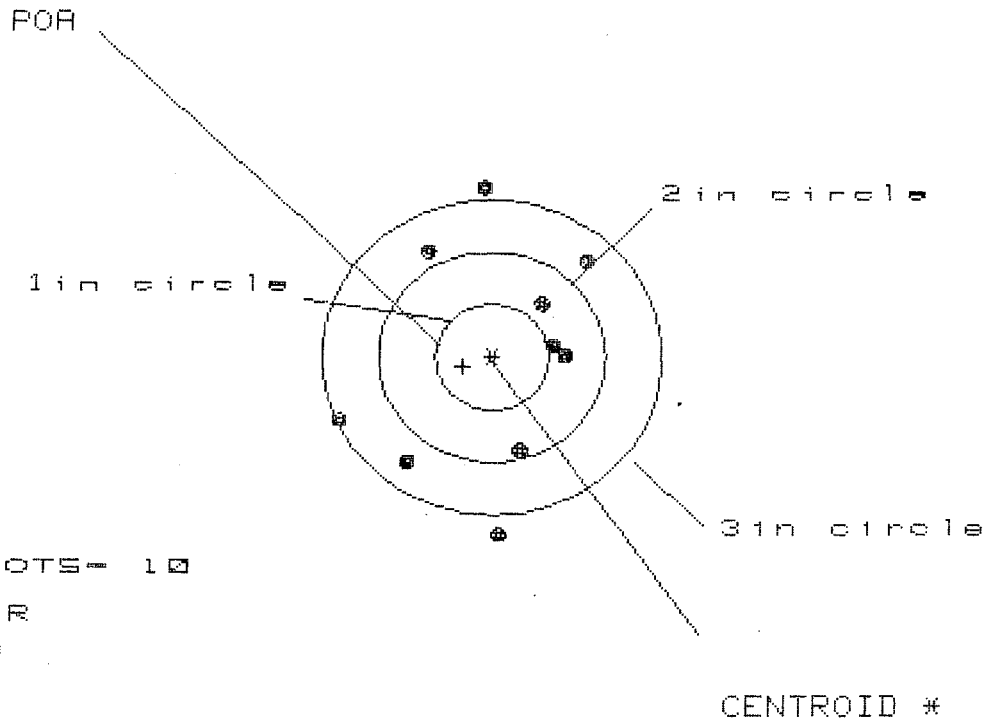
GS= 2.438

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.995	.868	.644
MINIMUM X	-1.142	-.831	-.722
MAXIMUM Y	1.104	1.030	.917
MINIMUM Y	-.974	-1.048	-1.160
CENTROID X	.363	.430	.321
CENTROID Y	.273	.347	.460
POA TO CENTROID in.	.407	.552	.561
MIN RADIUS	.235	.314	.418
MEAN RADIUS	.873	.827	.774
MAX RADIUS	1.324	1.251	1.327
HORIZONTAL SPREAD	2.137	1.699	1.366
VERTICAL SPREAD	2.078	2.078	2.078
EXTREME SPREAD	2.438	2.227	2.122
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594602

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS = 2.200

VS = 3.316

GS = 3.316

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.824	.827	.825
MINIMUM X	-1.376	-1.373	-1.375
MAXIMUM Y	1.647	1.461	.964
MINIMUM Y	-1.669	-1.193	-1.010
CENTROID X	.258	.255	.257
CENTROID Y	.089	.275	.092
POA TO CENTROID in.	.273	.375	.273
MIN RADIUS	.525	.503	.525
MEAN RADIUS	1.108	1.028	.970
MAX RADIUS	1.669	1.577	1.497
HORIZONTAL SPREAD	2.200	2.200	2.200
VERTICAL SPREAD	3.316	2.654	1.974
EXTREME SPREAD	3.316	2.748	2.652
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		