

06587576

MODEL 700™ H24

Model **SMS**™

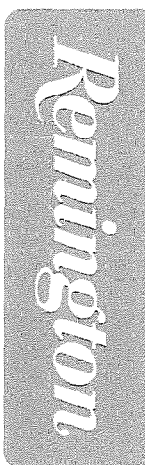
Action

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: RE00143913

Serial: C6587576 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 4/1/2008 1:32:18 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To

☐ Received From

Name: HEADQUARTERS AND HEADQUARTERS CO

HEADQUARTERS AND HEADQUARTERS CO

Address 1: 2ND BN 9TH INF REG

2ND BN 9TH INF REG

Address 2: UNIT #15101

PO Box:

UNIT #15101

PO Box:

City: APO

APO

State: ICA

Zip Code: 96224

Country: US

State: ICA

Zip Code: 96224

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
D000	SCOPE AND SCOPE	1

Repair Search

Refresh

Close

maglet

4/2/2008

9:42 AM

NUM



Serial Number: C6587576

Model: M24 SWS



RE00143913

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587576.___0
FILE DATE AND TIME: 04/16/2008 14:00

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.103
The Average Y Centroid of the Five Target Set:	-0.134
The Average Point of Impact of the Five Target Set:	0.169
The Average Mean Radius of the Five Target Set:	0.875
The Distance from POA to Centroid Target #1:	0.224
The Distance from Centroid Target #2 to Centroid Target #1:	0.235
The Distance from Centroid Target #3 to Centroid Target #1:	0.220
The Distance from Centroid Target #4 to Centroid Target #1:	0.123
The Distance from Centroid Target #5 to Centroid Target #1:	0.058

SERIAL NUMBER: C6587576. __0

TARGET NUMBER: 1

FILE DATE: 04/16/2008

FILE TIME: 14:00

X CENTROID: -0.063

Y CENTROID: -0.215

POA TO CENTROID: 0.224

HORZ SPREAD: 3.604

VERT SPREAD: 2.854

GROUP SPREAD: 3.605

MIN RADIUS: 0.054

MAX RADIUS: 1.892

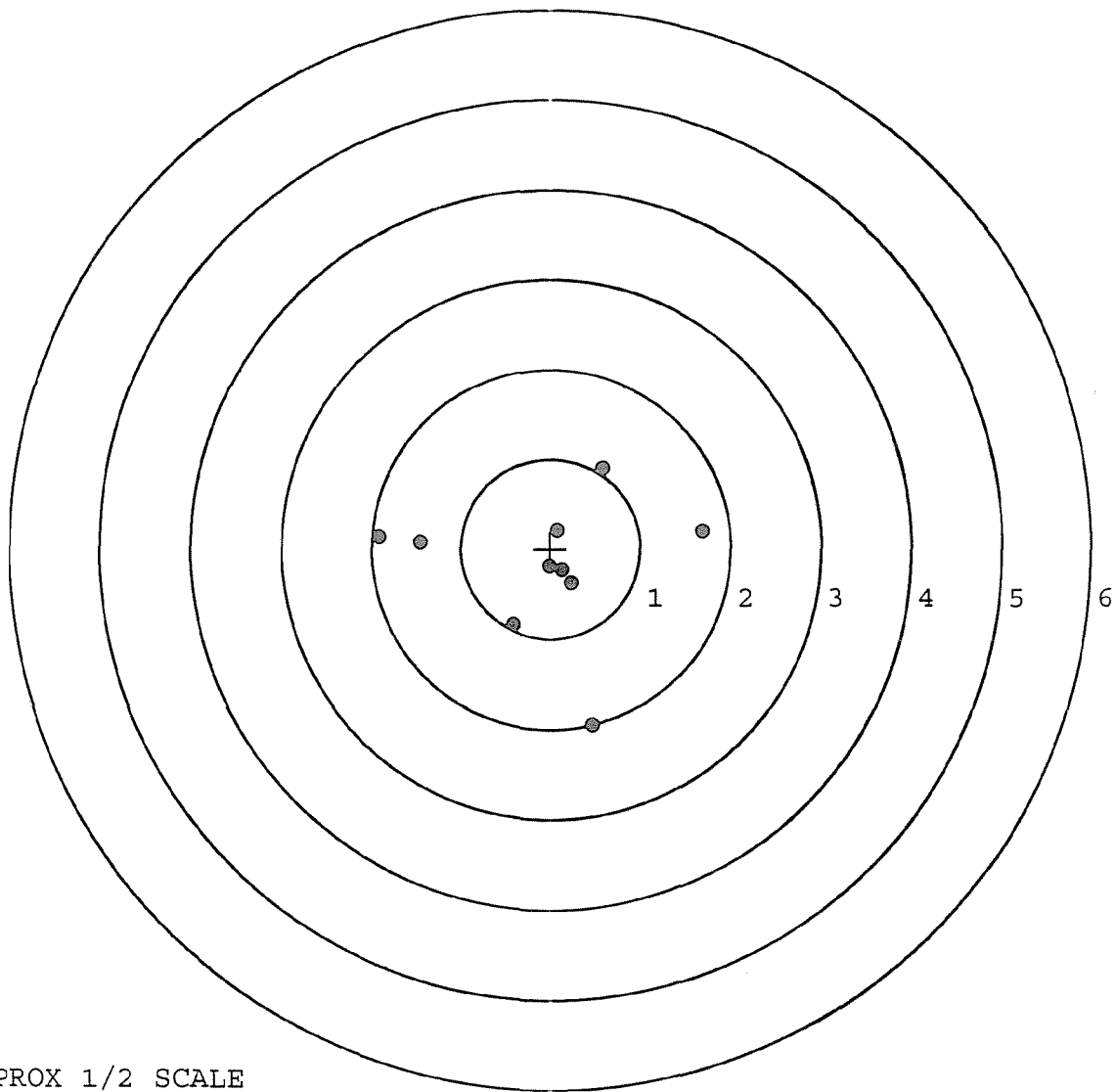
MEAN RADIUS: 0.999

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.681	0.194
2:	0.581	0.897
3:	0.080	0.202
4:	0.235	-0.390
5:	0.135	-0.244
6:	-0.011	-0.202
7:	-0.419	-0.850
8:	0.473	-1.957
9:	-1.466	0.071
10:	-1.923	0.133



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587576. __0

TARGET NUMBER: 2

FILE DATE: 04/16/2008

FILE TIME: 14:00

POINT#	X	Y
1:	1.097	-0.509
2:	0.626	-0.555
3:	0.003	-0.757
4:	0.068	-0.414
5:	-0.542	0.127
6:	-0.272	0.308
7:	0.188	0.635
8:	-0.658	0.571
9:	-1.080	0.562
10:	-1.532	-0.277

X CENTROID: -0.210

Y CENTROID: -0.031

POA TO CENTROID: 0.212

HORZ SPREAD: 2.629

VERT SPREAD: 1.392

GROUP SPREAD: 2.639

MIN RADIUS: 0.344

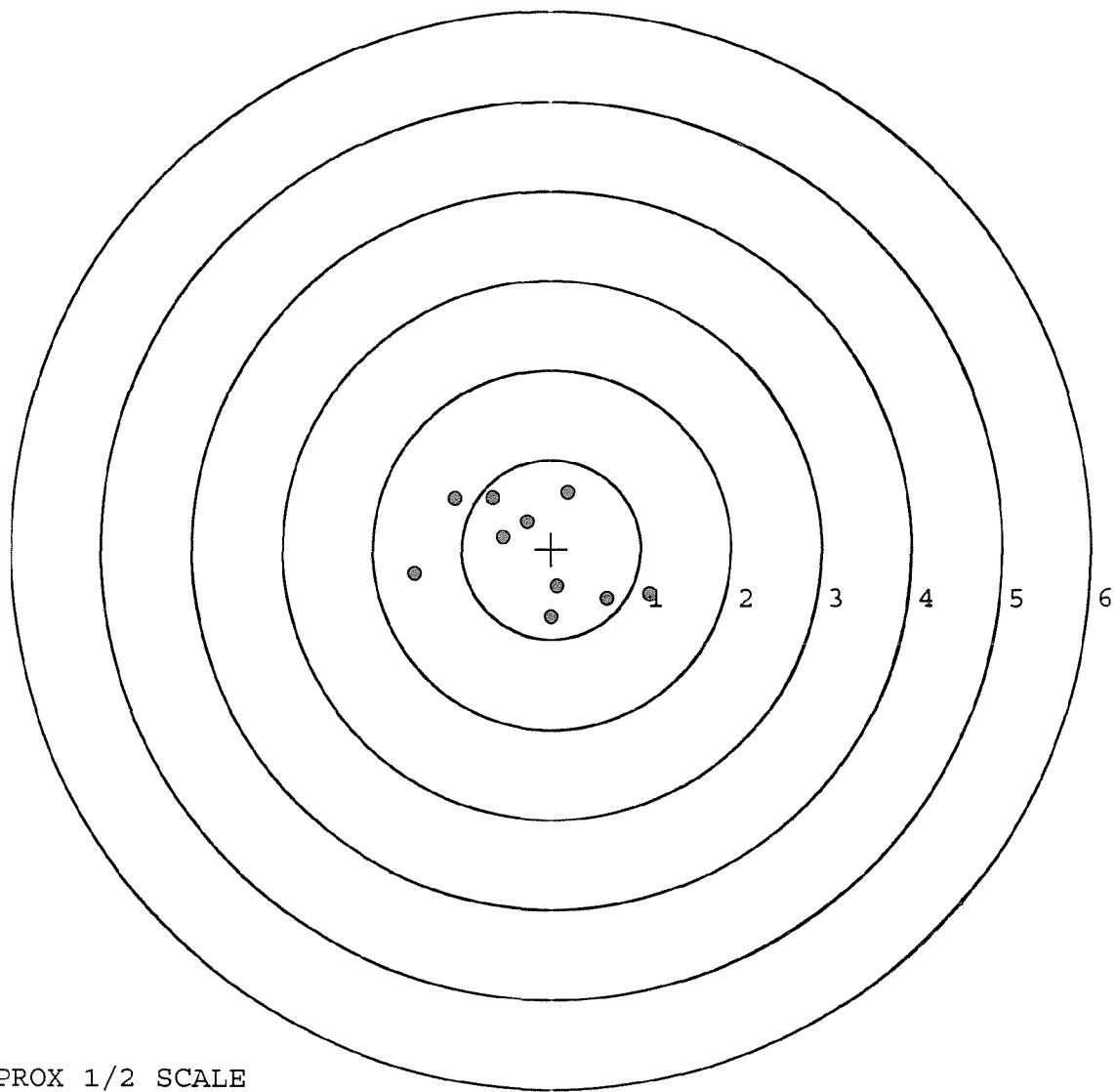
MAX RADIUS: 1.392

MEAN RADIUS: 0.824

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587576. __0

TARGET NUMBER: 3

FILE DATE: 04/16/2008

FILE TIME: 14:00

POINT#	X	Y
1:	0.785	-0.767
2:	0.422	-0.431
3:	0.670	0.126
4:	0.580	0.401
5:	0.460	0.726
6:	0.033	-0.065
7:	-0.254	-0.053
8:	-0.770	0.110
9:	-0.991	0.601
10:	-1.313	-0.610

X CENTROID: -0.038

Y CENTROID: 0.004

POA TO CENTROID: 0.038

HORZ SPREAD: 2.098

VERT SPREAD: 1.493

GROUP SPREAD: 2.220

MIN RADIUS: 0.099

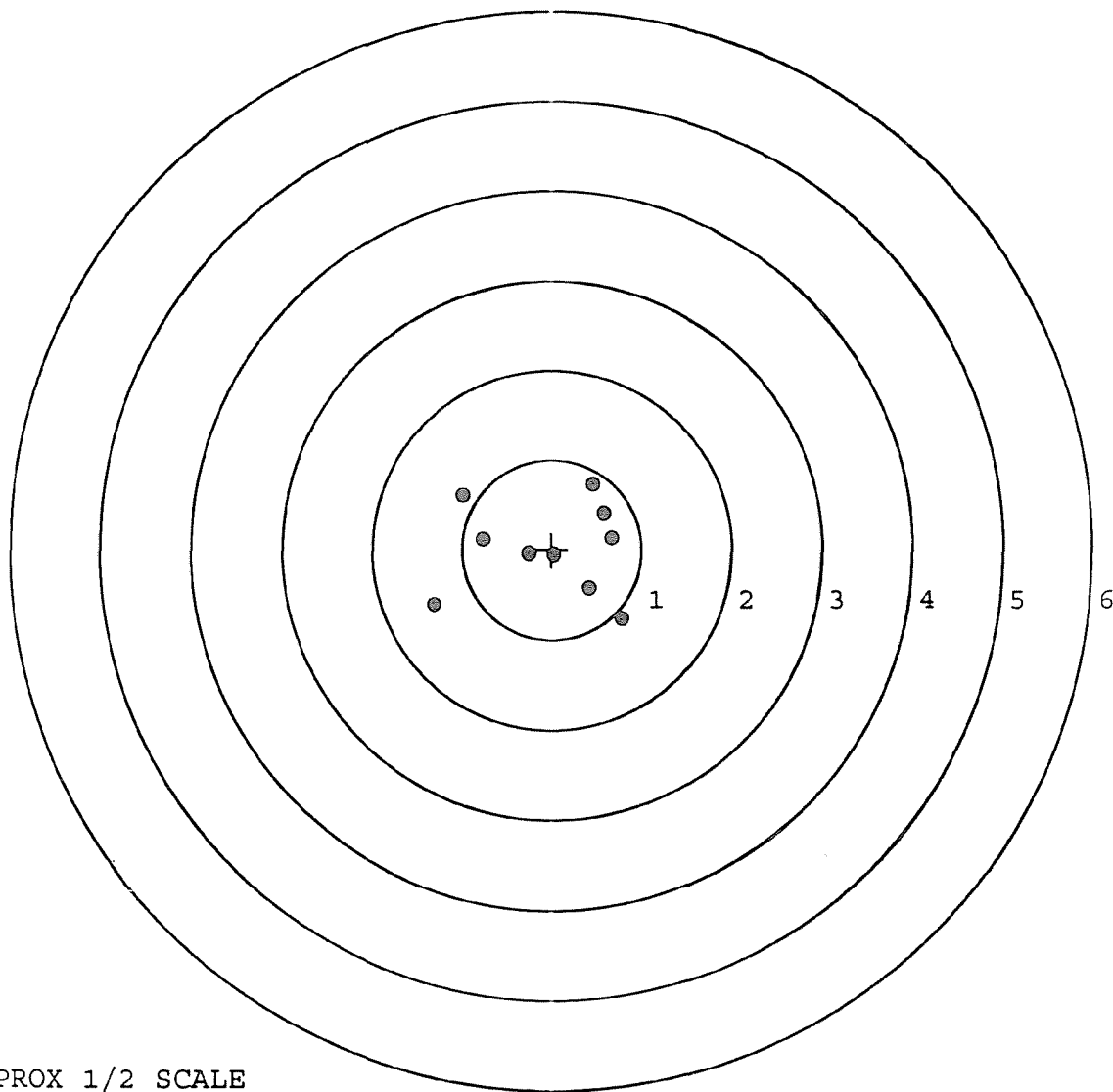
MAX RADIUS: 1.415

MEAN RADIUS: 0.769

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587576.___0

TARGET NUMBER: 4

FILE DATE: 04/16/2008

FILE TIME: 14:00

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

1:	0.699	-0.343
----	-------	--------

2:	0.329	-0.183
----	-------	--------

3:	0.614	0.112
----	-------	-------

4:	-0.102	-0.498
----	--------	--------

5:	-0.352	-0.787
----	--------	--------

6:	0.051	0.584
----	-------	-------

7:	-1.330	0.387
----	--------	-------

8:	-1.202	-0.045
----	--------	--------

9:	-1.161	0.940
----	--------	-------

10:	0.666	-1.896
-----	-------	--------

X CENTROID: -0.179

Y CENTROID: -0.173

POA TO CENTROID: 0.249

HORZ SPREAD: 2.029

VERT SPREAD: 2.836

GROUP SPREAD: 3.374

MIN RADIUS: 0.334

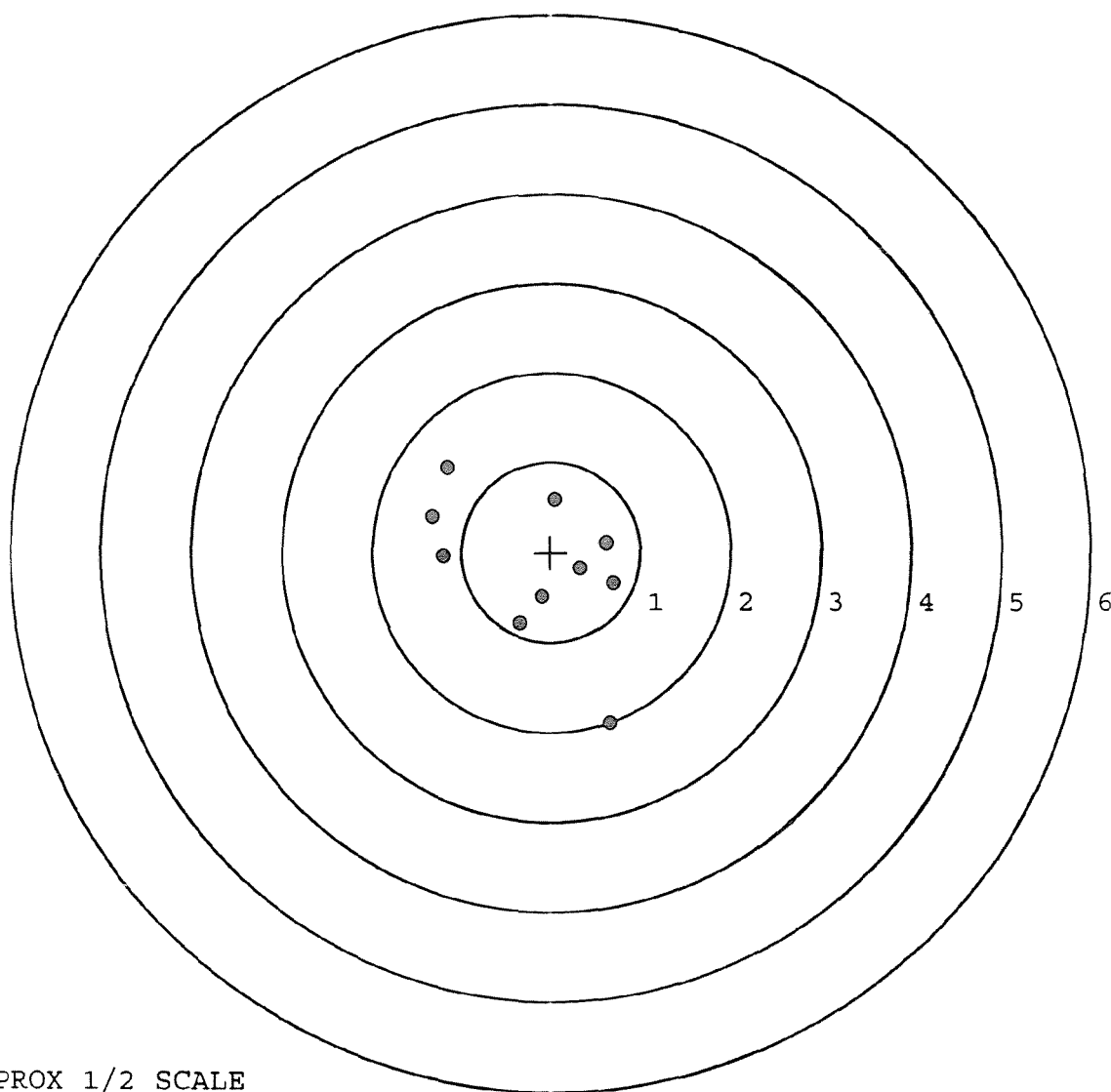
MAX RADIUS: 1.919

MEAN RADIUS: 0.972

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587576. 0

TARGET NUMBER: 5

FILE DATE: 04/16/2008

FILE TIME: 14:00

POINT#	X	Y
1:	0.372	-0.561
2:	0.437	-0.274
3:	-0.001	-0.577
4:	-0.848	-0.242
5:	-1.010	-0.658
6:	0.424	0.257
7:	0.319	0.382
8:	0.227	0.496
9:	0.088	0.660
10:	-0.236	-2.039

X CENTROID: -0.023

Y CENTROID: -0.256

POA TO CENTROID: 0.257

HORZ SPREAD: 1.447

VERT SPREAD: 2.699

GROUP SPREAD: 2.718

MIN RADIUS: 0.322

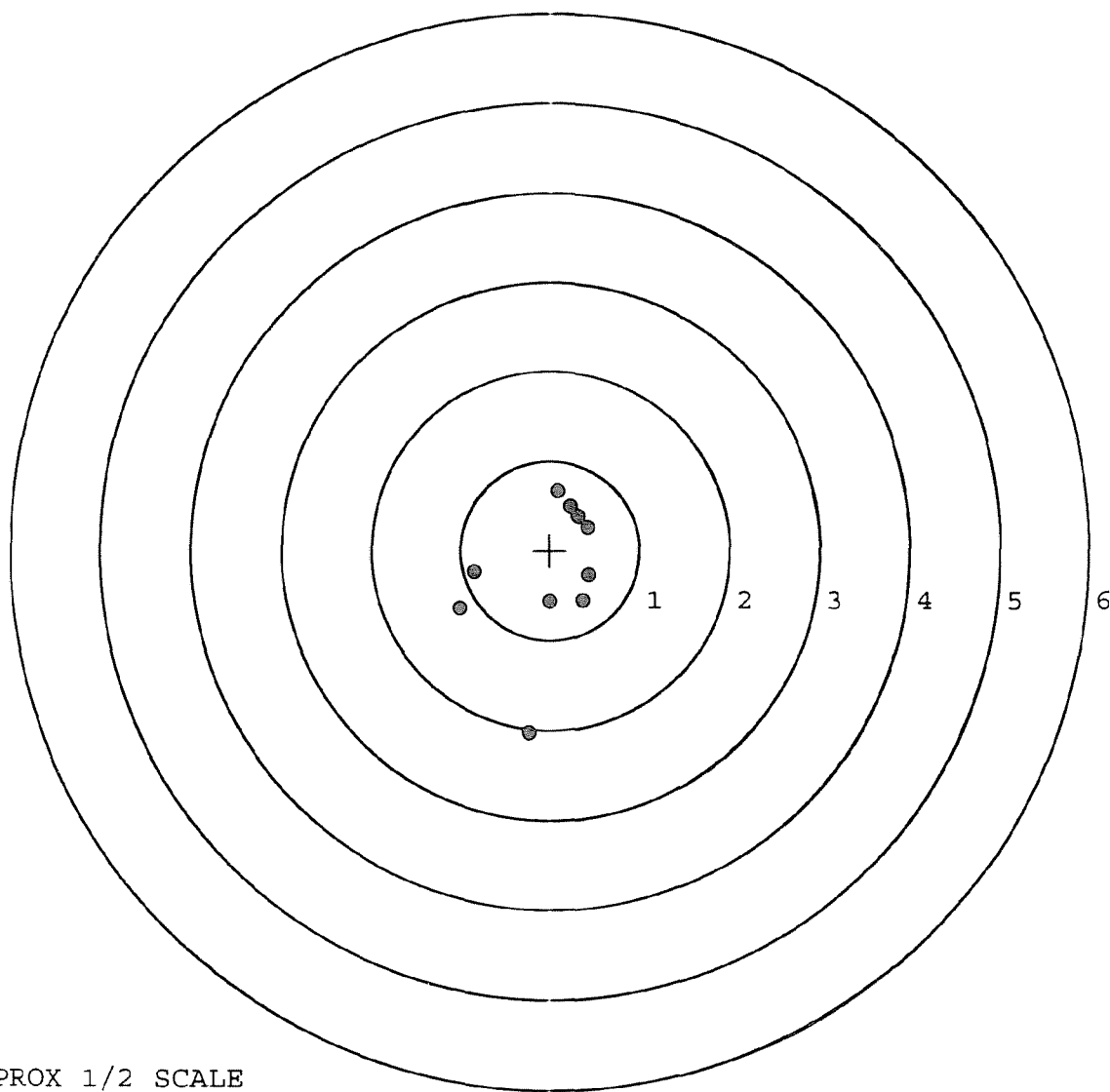
MAX RADIUS: 1.796

MEAN RADIUS: 0.809

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 00143913

SERIAL NUMBER C6587576

LOG-IN DATE 4-1-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-3-08	L.P.D.
505	RE-BARREL	4-3-08	L.P.D.
560	ASSEMBLE	4-3-08	RTZ
600	PROOF	4-7-08	TRW
605	CHECK HEADSPACE	4-7-08	TRW
610	DIS-ASSEMBLE GUN	4-8-08	L.P.D.
612	MAGNAFLUX	4/9/08	ccw
510	DRILL AND TAP	4/9/08	Fm
615	ROLLMARK CALIBER	4-9-08	CW
618	ROTO-BLAST	4-9-08	DG
620	APPLY COATINGS	4-11-08	CW
625	FINAL ASSEMBLY	4-15-08	RTZ
640	FUNCTION TEST AND	PASS FAIL 4-16-08	TRW
650	TARGET	PASS FAIL 4-16-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	4-16-08	RP
	A) HEADSPACE	PASS FAIL 4-17-08	TRW
	B) TRIGGER PULL	2.47 2.33 2.37 2.36 2.40 4-17-08	TRW
680	F) SAFETY ON FORCE	8.0 8.0 7.5 4-17-08	TRW
	G) SAFETY OFF FORCE	2.25 3.0 2.75 4-17-08	TRW
	I) FIRING PIN INDENT	.0205 .020 .020 4-17-08	TRW
690	PACK	12/18/08	Fm

Safe hits Stock

12-10-98

OK AC

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

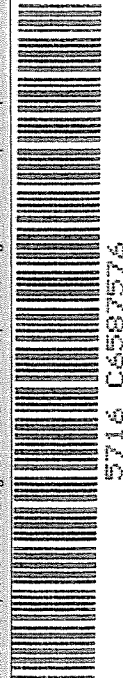
Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

SERIAL NO.
C6587576

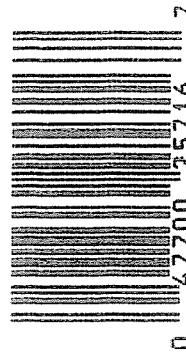
ORDER NO.
5716

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



5716 C6587576

LPC



0 47700 25716 7

OK ON E.J. Pin Gage

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587576

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	Kel
600	Proof		10/22/90	Kel
607	Check Headspace		10/22/90	Kel
610	Dis-assemble Gun		10/22/90	Kel
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	Ed
617	Drill and Tap Sight Holes		10/25/90	FB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11/7/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/90	JA

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2	12/4/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	12/4/90	WB
	H) Trigger Pull Test & Retainability				12/3/90	JL
	I) Firing Pin Indent	.021	.021	.021	12/4/90	WB
	J) Assemble Stock				12/7/90	KS
	K) Assemble Swivel Studs				12-10-90	928
	L) Attach Front and Rear Sight Assemblies				12/7/90	KS
	M) Iron Sight Alignment				12/7/90	KS
	N) Detach Front & Rear Sights & place in numbered container				12/7/90	KS
	O) Attach Scope to Rifle				12/7/90	KS
	P) Detach & Attach Scope 20 Times				12/7/90	KS
640	Gallery Target & Test				12/8/90	KS
	A) Time					KS
	B) Malfunctions					KS
	C) Pierced Primers					KS
	D) Optical Clarity of Scope					KS
645	Inspect for Live Ammo				12/8/90	122
655	Final Inspection					
	A) Headspace				12-10-90	928
	B) Trigger Pull	239	240	246	245	249
	C) Function				12-10-90	928
660	Pack				12/14/90	KS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6587576

DATE 12/31/90

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.41	2.48	239	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.49	2.46	240	
PULL #3	2.44	2.31	2.49	246	
PULL #4	2.45	2.39	2.50	245	
PULL #5	2.46	2.38	2.45	249	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.30		
PULL #2	3.44	3.26		
PULL #3	3.50	3.23		
PULL #4	3.24	3.26		
PULL #5	2.27	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.31		4.35
PULL #2	4.41	4.36		4.39
PULL #3	4.38	4.34		4.36
PULL #4	4.32	4.36		4.32
PULL #5	4.40	4.29		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587576
8 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.223379
1 TO	2	.310644
1 TO	3	.395081
1 TO	4	.284285
1 TO	5	.39036

1/2
3

<----POA

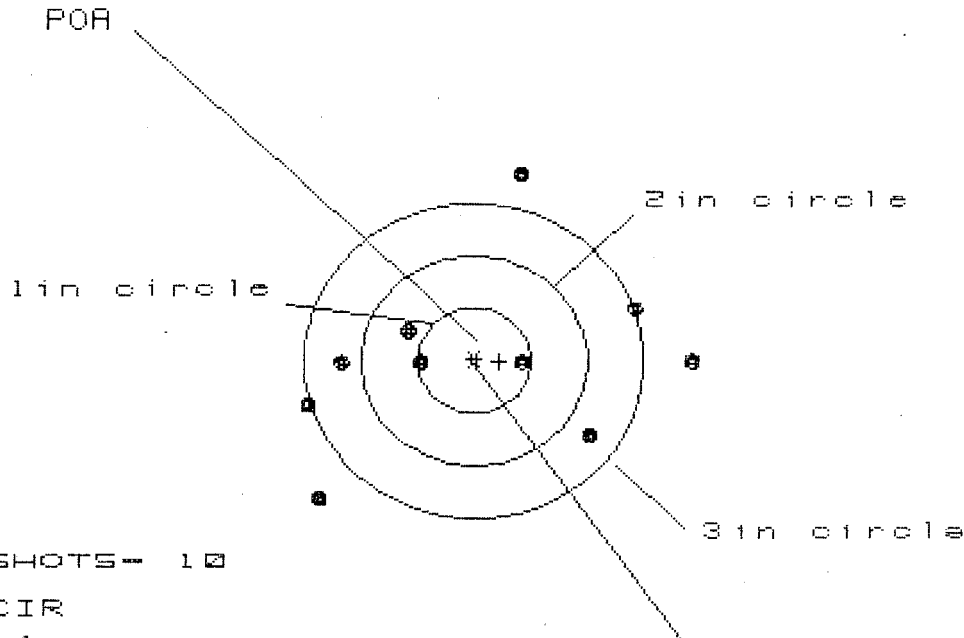
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0506
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1566
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .164572
THE AMR FOR THIS RIFLE IS: 1.174

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587576

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 3.394

VS= 3.086

GS= 3.557

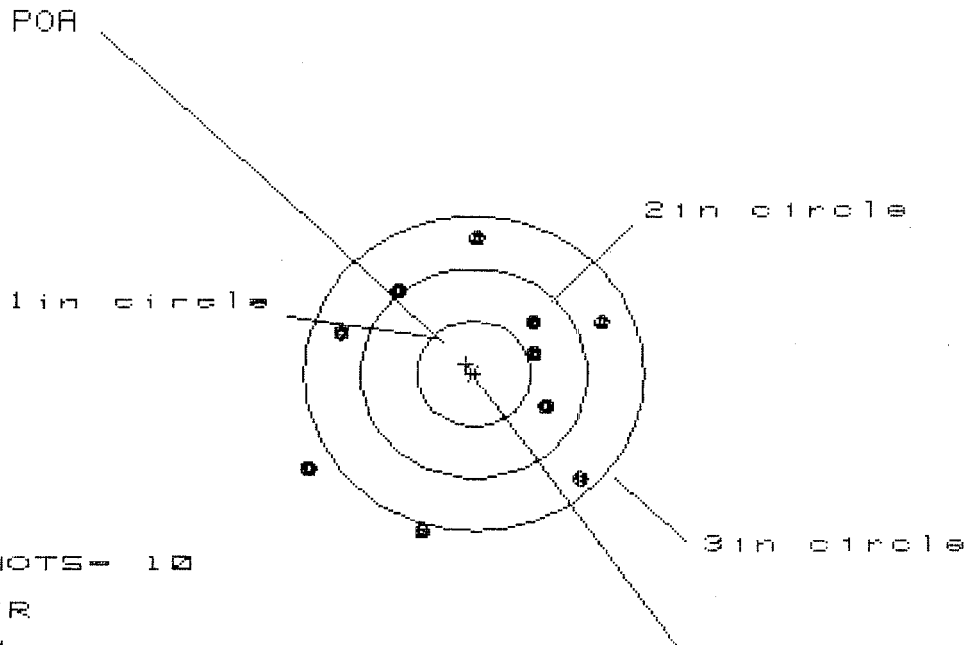
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.884	1.733	1.468
MINIMUM X	-1.510	-1.661	-1.444
MAXIMUM Y	1.754	1.606	1.587
MINIMUM Y	-1.332	-.829	-.848
CENTROID X	-.223	-.072	-.289
CENTROID Y	.013	.161	.180
POA TO CENTROID in.	.223	.176	.340
MIN RADIUS	.423	.327	.471
MEAN RADIUS	1.269	1.197	1.103
MAX RADIUS	1.900	1.752	1.657
HORIZONTAL SPREAD	3.394	3.394	2.912
VERTICAL SPREAD	3.086	2.435	2.435
EXTREME SPREAD	3.557	3.418	3.033
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587576

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 2.565

VS= 2.791

GS= 2.934

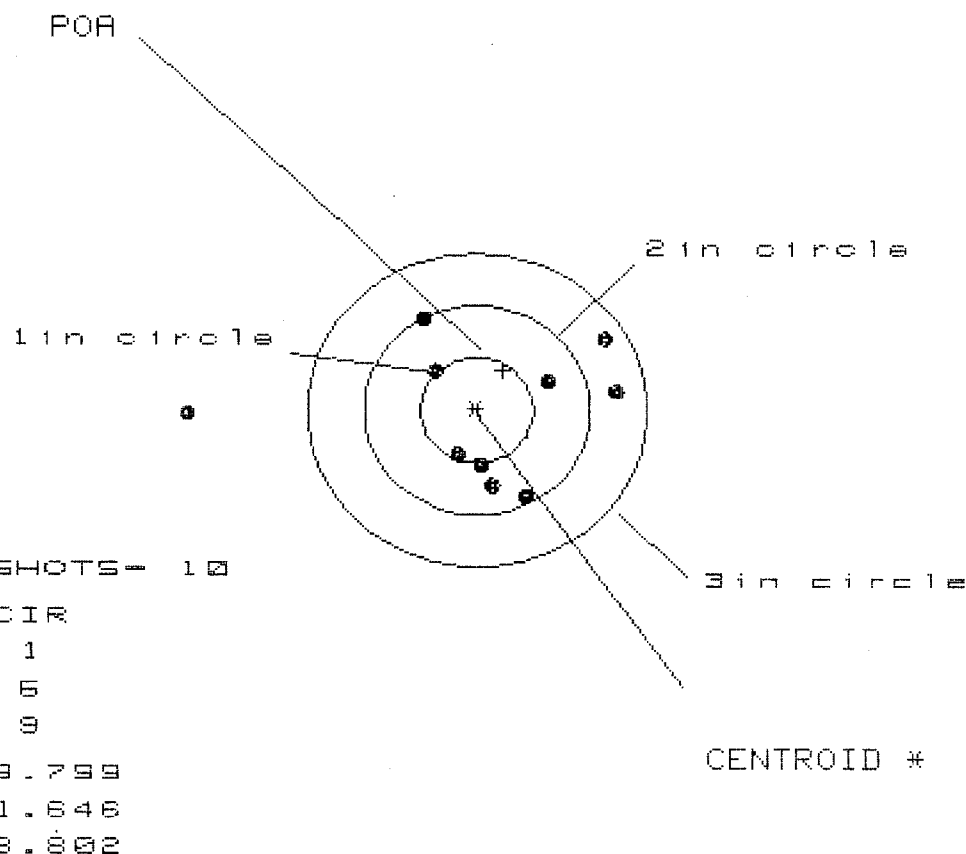
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.102	.939	.857
MINIMUM X	:	-1.463	-1.378	-1.460
MAXIMUM Y	:	1.292	1.189	.989
MINIMUM Y	:	-1.499	-1.602	-1.318
CENTROID X	:	.069	.232	.314
CENTROID Y	:	-.093	.010	.210
POA TO CENTROID in.	:	.116	.232	.377
MIN RADIUS	:	.607	.421	.339
MEAN RADIUS	:	1.164	1.052	.922
MAX RADIUS	:	1.730	1.731	1.505
HORIZONTAL SPREAD	:	2.565	2.317	2.317
VERTICAL SPREAD	:	2.791	2.791	2.307
EXTREME SPREAD	:	2.934	2.848	2.604
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587576

CENTERFIRE PATTERNS # 3

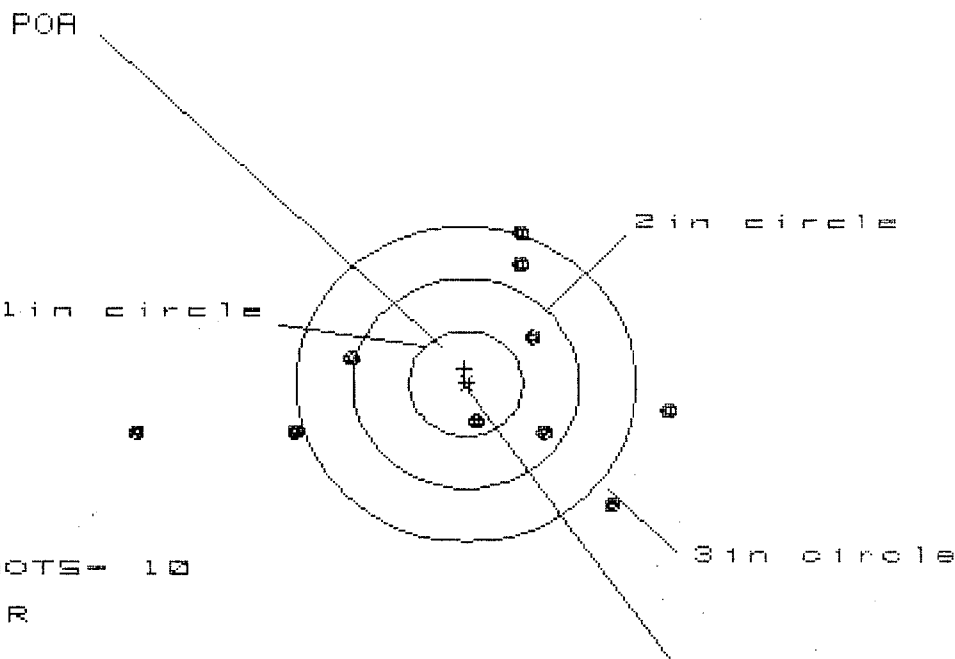


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.257	.975	1.078
MINIMUM X	:	-2.542	-.776	-.673
MAXIMUM Y	:	.877	.876	.960
MINIMUM Y	:	-.769	-.770	-.686
CENTROID X	:	-.231	.051	-.052
CENTROID Y	:	-.382	-.381	-.465
POA TO CENTROID in.	:	.447	.384	.468
MIN RADIUS	:	.396	.476	.421
MEAN RADIUS	:	.997	.800	.743
MAX RADIUS	:	2.542	1.170	1.172
HORIZONTAL SPREAD	:	3.799	1.751	1.751
VERTICAL SPREAD	:	1.646	1.646	1.646
EXTREME SPREAD	:	3.802	1.899	1.899
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587576

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 5

HS= 4.739

VS= 2.689

GS= 4.741

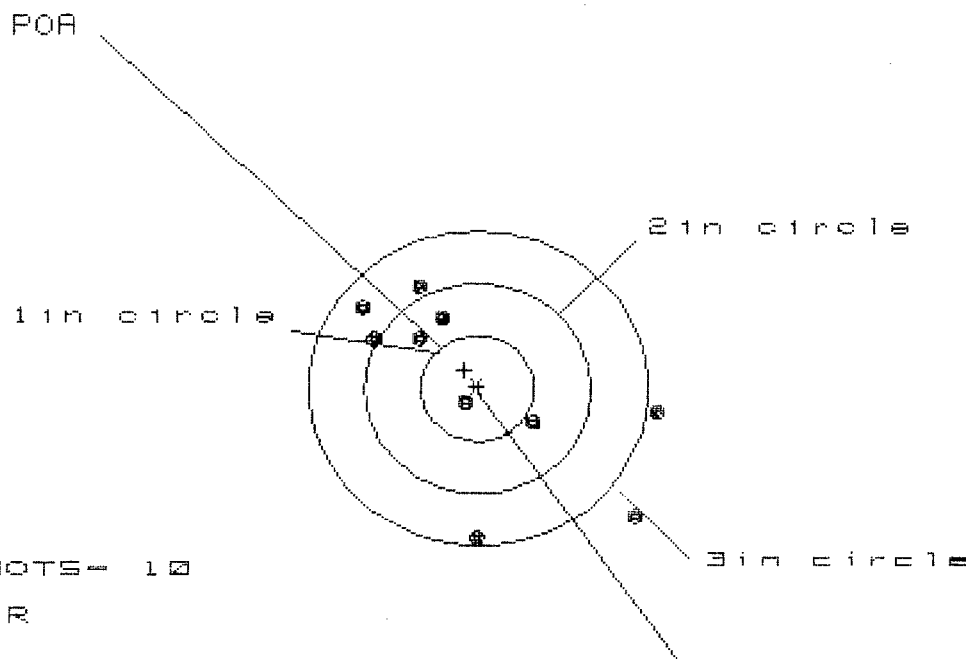
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.828	1.505	1.131
MINIMUM X	-2.911	-1.876	-1.688
MAXIMUM Y	1.490	1.440	1.396
MINIMUM Y	-1.199	-1.249	-1.293
CENTROID X	.014	.337	.149
CENTROID Y	-.144	-.094	-.050
POA TO CENTROID in.	.145	.350	.158
MIN RADIUS	.379	.434	.478
MEAN RADIUS	1.390	1.165	1.121
MAX RADIUS	2.946	1.951	1.784
HORIZONTAL SPREAD	4.739	3.381	2.819
VERTICAL SPREAD	2.689	2.689	2.689
EXTREME SPREAD	4.741	3.386	2.909
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

B Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587576

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.595

VS= 2.455

GS= 3.084

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.581	1.729	.879
MINIMUM X	:	-1.014	-.866	-.649
MAXIMUM Y	:	1.008	.867	.822
MINIMUM Y	:	-1.447	-1.588	-1.634
CENTROID X	:	.118	-.030	-.246
CENTROID Y	:	-.177	-.036	.009
POA TO CENTROID in.	:	.213	.047	.247
MIN RADIUS	:	.177	.241	.289
MEAN RADIUS	:	1.051	.920	.768
MAX RADIUS	:	1.839	1.768	1.672
HORIZONTAL SPREAD	:	2.595	2.595	1.529
VERTICAL SPREAD	:	2.455	2.455	2.455
EXTREME SPREAD	:	3.084	2.767	2.505
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	