

C6349032

MODEL 700™ M24

Model **SMS**™

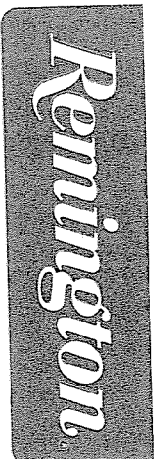
Action

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: **RE00084202** Serial: C6349032 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/19/1990 Repairman: Status: New 8/24/2004 3:12:07 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORTATION OFFICE** **TRANSPORTATION OFFICE**

Address 1: **BLDG 330** **BLDG 330**

Address 2: **4885 CHILES AVE** **4885 CHILES AVE** PO Box: PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1

Repair Search Refresh Close

magletj 8/25/2004 7:33 AM CAPS NUM INS SCRL

start 3 Arms S 3 2

Serial Number: **C6349032**

Model: **M24 SWS**



RE00084202

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349032.__0
FILE DATE AND TIME: 09/10/2004 06:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.007
The Average Y Centroid of the Five Target Set:	-0.040
The Average Point of Impact of the Five Target Set:	0.041
The Average Mean Radius of the Five Target Set:	0.895
The Distance from POA to Centroid Target #1:	0.124
The Distance from Centroid Target #2 to Centroid Target #1:	0.070
The Distance from Centroid Target #3 to Centroid Target #1:	0.236
The Distance from Centroid Target #4 to Centroid Target #1:	0.318
The Distance from Centroid Target #5 to Centroid Target #1:	0.109

SERIAL NUMBER: C6349032.___0

TARGET NUMBER: 1

FILE DATE: 09/10/2004

FILE TIME: 06:05

X CENTROID: 0.106

Y CENTROID: -0.064

POA TO CENTROID: 0.124

HORZ SPREAD: 2.113

VERT SPREAD: 2.966

GROUP SPREAD: 3.055

MIN RADIUS: 0.399

MAX RADIUS: 2.009

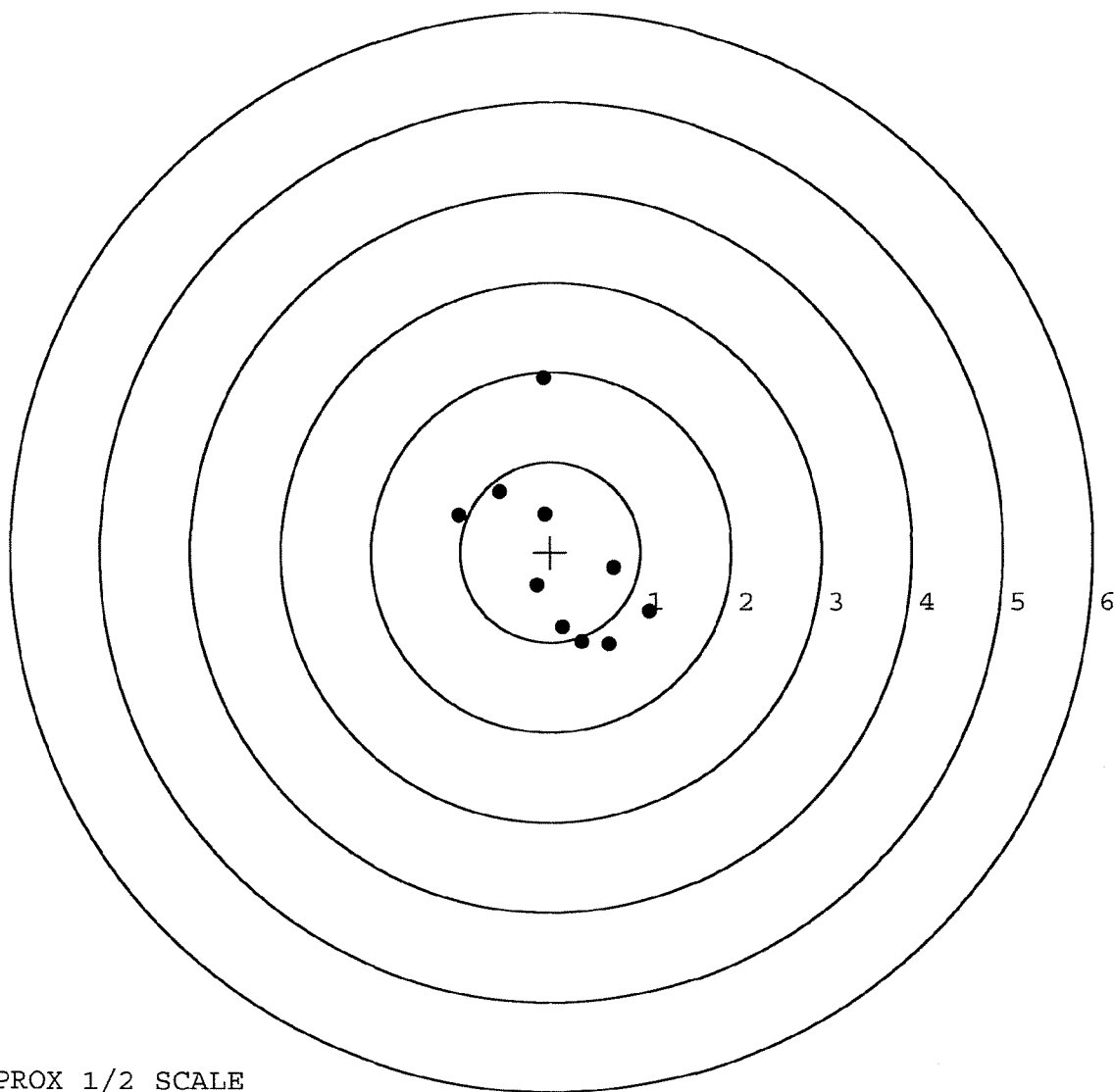
MEAN RADIUS: 0.976

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.098	-0.666
2:	0.704	-0.178
3:	-0.148	-0.373
4:	-0.067	0.421
5:	-0.567	0.669
6:	-1.015	0.415
7:	-0.081	1.936
8:	0.138	-0.838
9:	0.347	-1.001
10:	0.649	-1.030



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349032.___0

TARGET NUMBER: 2

FILE DATE: 09/10/2004

FILE TIME: 06:05

X CENTROID: 0.036

Y CENTROID: -0.066

POA TO CENTROID: 0.075

HORZ SPREAD: 3.000

VERT SPREAD: 2.655

GROUP SPREAD: 3.072

MIN RADIUS: 0.589

MAX RADIUS: 1.913

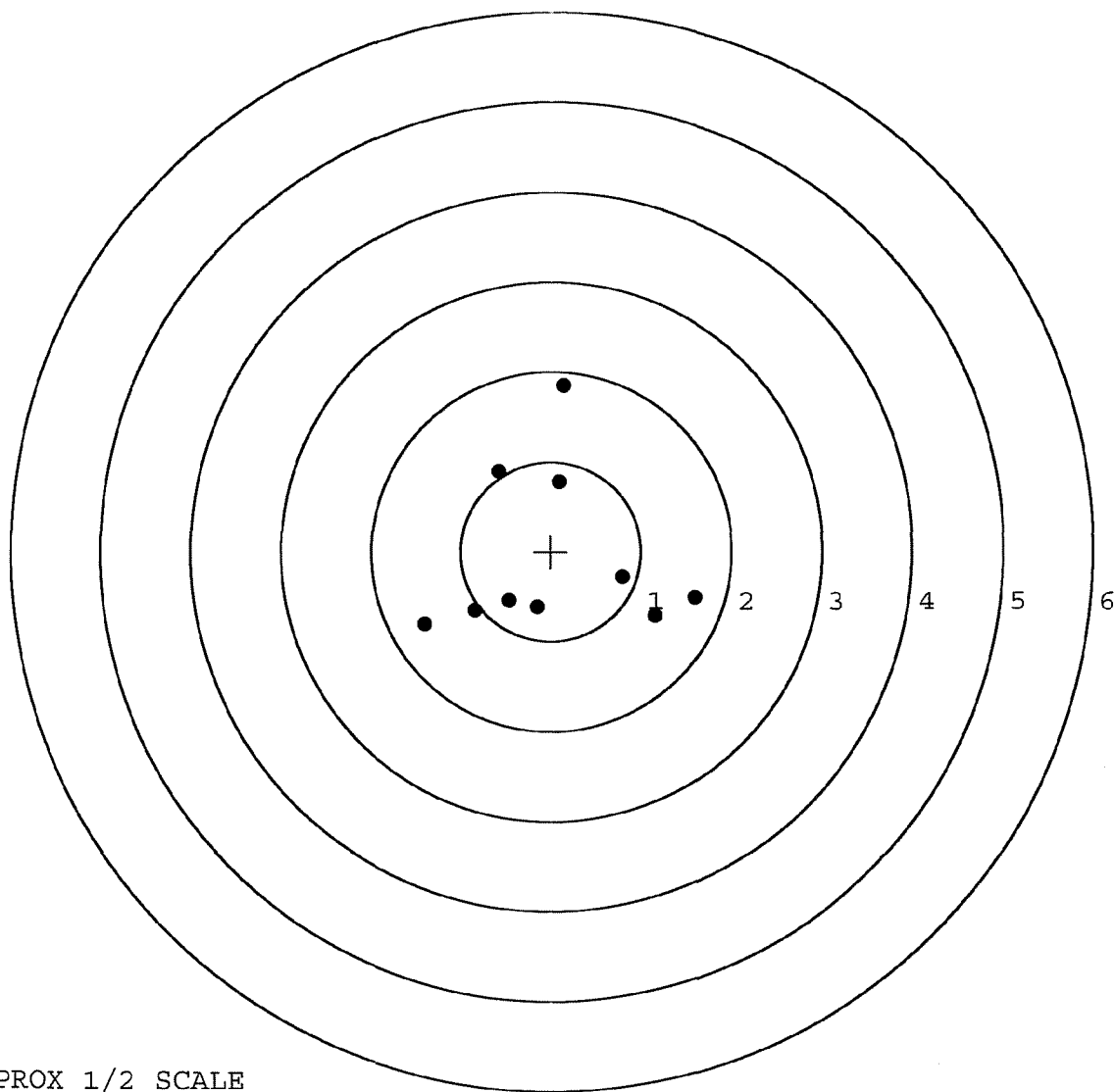
MEAN RADIUS: 1.158

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.600	-0.516
2:	1.155	-0.725
3:	0.798	-0.293
4:	-0.148	-0.625
5:	-0.462	-0.551
6:	-0.843	-0.656
7:	-1.400	-0.811
8:	0.088	0.778
9:	-0.574	0.897
10:	0.146	1.844



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349032. __0

TARGET NUMBER: 3

FILE DATE: 09/10/2004

FILE TIME: 06:05

X CENTROID: -0.101

Y CENTROID: 0.048

POA TO CENTROID: 0.112

HORZ SPREAD: 1.917

VERT SPREAD: 1.297

GROUP SPREAD: 2.135

MIN RADIUS: 0.181

MAX RADIUS: 1.309

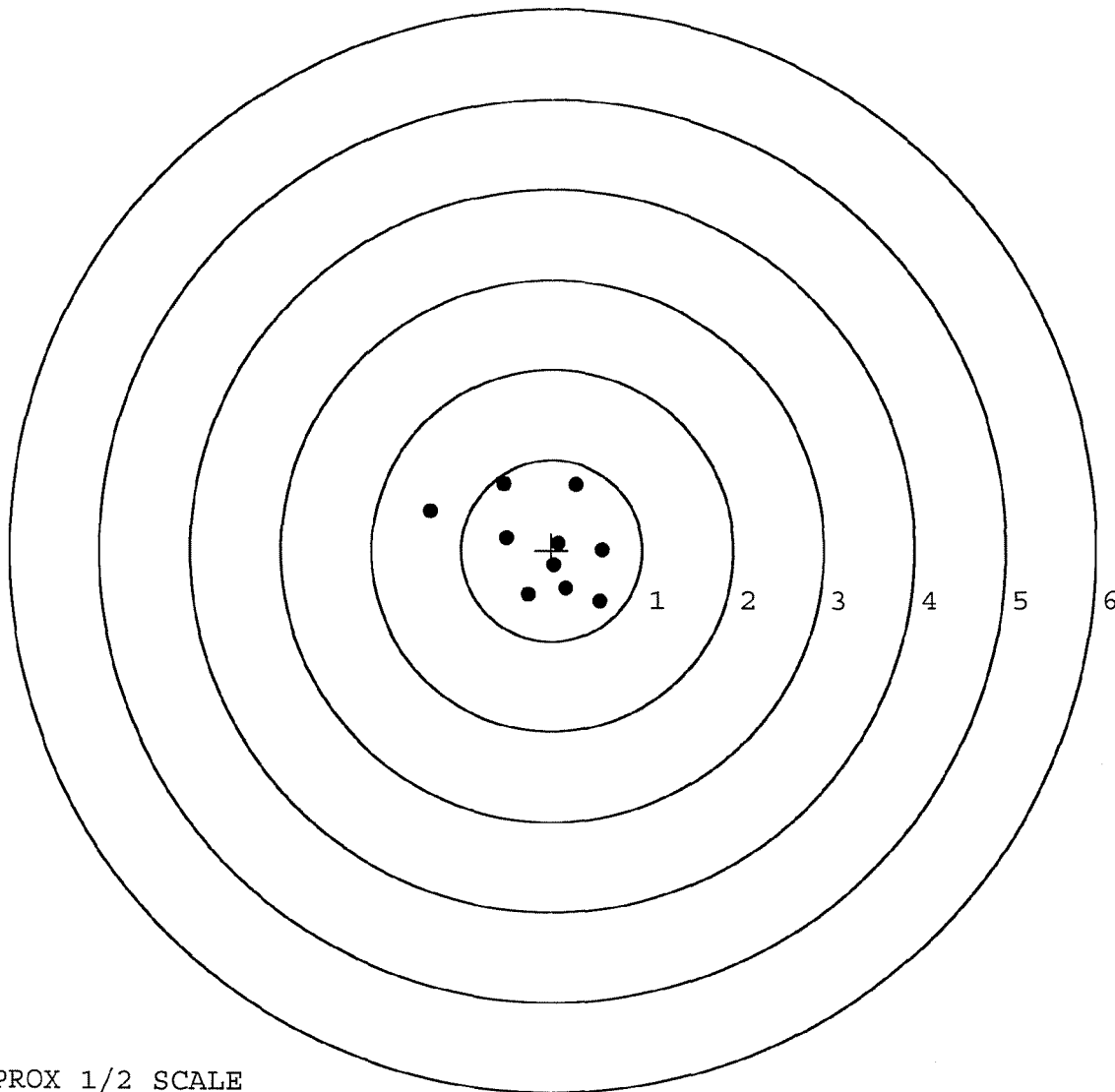
MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.536	-0.561
2:	0.565	0.009
3:	0.270	0.723
4:	-0.529	0.736
5:	-0.494	0.142
6:	-1.352	0.435
7:	-0.266	-0.490
8:	0.157	-0.422
9:	0.023	-0.165
10:	0.078	0.076



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349032. __0

TARGET NUMBER: 4

FILE DATE: 09/10/2004

FILE TIME: 06:05

POINT#	X	Y
1:	0.491	-0.293
2:	0.304	-0.536
3:	-0.050	-0.661
4:	0.705	0.337
5:	-0.602	0.543
6:	-0.961	-0.160
7:	-1.003	-0.376
8:	-0.409	-0.057
9:	-0.490	0.092
10:	-0.099	0.196

X CENTROID: -0.211

Y CENTROID: -0.091

POA TO CENTROID: 0.230

HORZ SPREAD: 1.708

VERT SPREAD: 1.204

GROUP SPREAD: 1.851

MIN RADIUS: 0.201

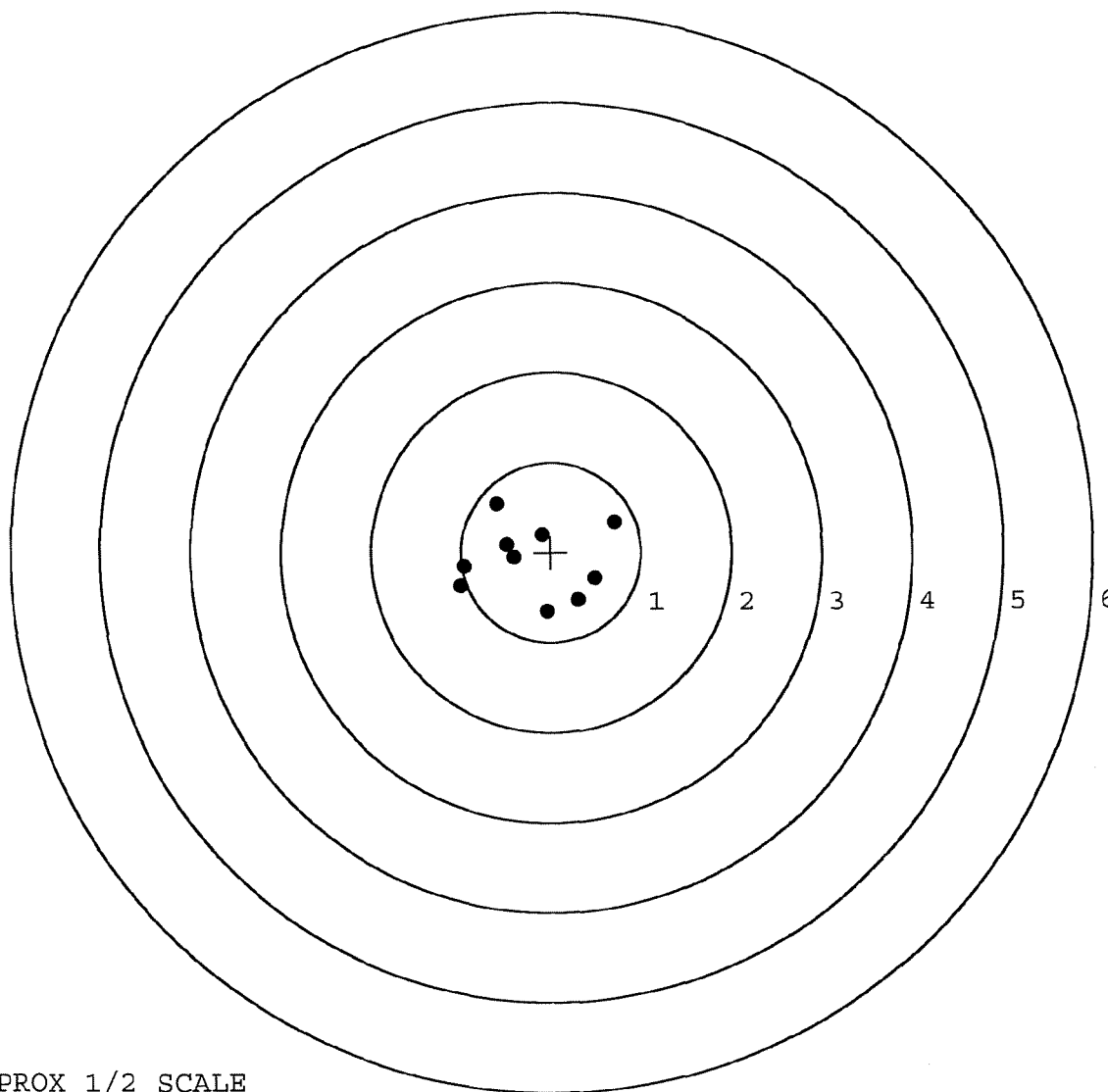
MAX RADIUS: 1.012

MEAN RADIUS: 0.620

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349032. __0

TARGET NUMBER: 5

FILE DATE: 09/10/2004

FILE TIME: 06:05

POINT#	X	Y
1:	0.863	-1.609
2:	1.823	-0.204
3:	0.920	0.004
4:	0.568	-0.054
5:	0.272	-0.581
6:	-0.797	-0.207
7:	-0.865	-0.417
8:	-0.195	0.414
9:	-0.878	0.537
10:	0.371	1.841

X CENTROID: 0.208

Y CENTROID: -0.028

POA TO CENTROID: 0.210

HORZ SPREAD: 2.701

VERT SPREAD: 3.450

GROUP SPREAD: 3.485

MIN RADIUS: 0.361

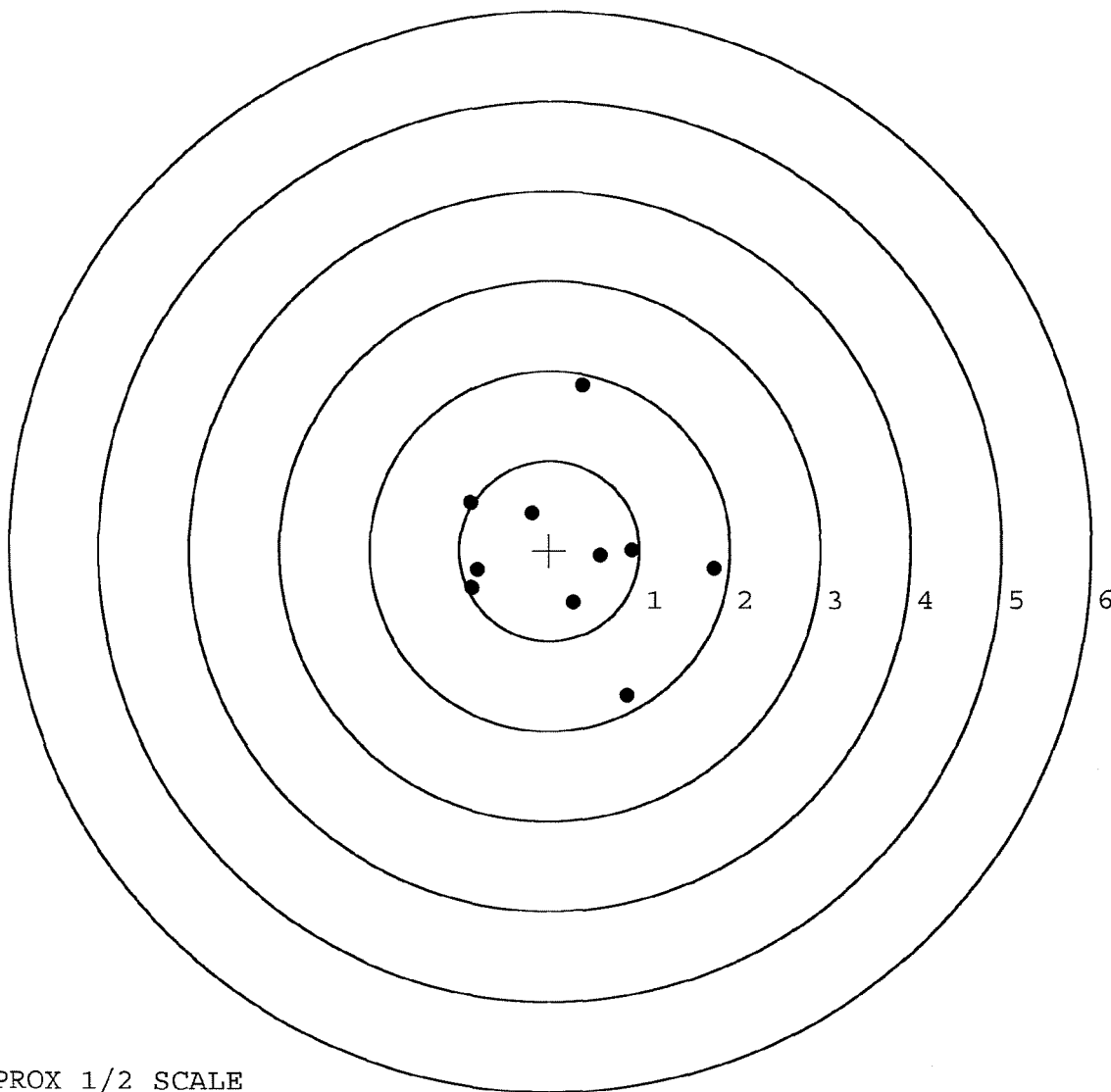
MAX RADIUS: 1.876

MEAN RADIUS: 1.083

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

AVERAGE 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 8-20-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.48	2.46		2.47	
PULL #2	2.46	2.44		2.68	
PULL #3	2.46	2.36		2.61	
PULL #4	2.45	2.41		2.48	
PULL #5	2.30	2.37		2.17	
TOTAL	12.15	12.04		12.41	
AVERAGE	2.43	2.40		2.48	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.04		
PULL #2	3.08	2.87		
PULL #3	3.08	3.34		
PULL #4	3.11	3.25		
PULL #5	3.07	3.15		
TOTAL	15.40	15.65		
AVERAGE	3.08	3.13		

	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	4.31	4.19		4.10
PULL #2	4.30	4.78		3.91
PULL #3	4.33	4.26		4.06
PULL #4	4.12	4.28		4.10
PULL #5	4.31	4.40		3.97
TOTAL	21.37	21.91		20.14
AVERAGE	4.27	4.38		4.02

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	84202		
SERIAL NUMBER	C634903Z		
LOG-IN DATE	8-25-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-25-04	RTL
560 A	RE-BARREL	8-26-04	RTL
B	DRILL AND TAP	9-1-04	TRW
575	ASSEMBLE MAGNA-FLUX	8-26-04	RTL
600	PROOF INSPECTED	8-30-04	RTL
605	CHECK HEADSPACE 0.2.2004	8-30-04	RTL
610	DIS-ASSEMBLE GUN	8-31-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	9/3/04	LB
618	ROTO-BLAST	9-3-04	LB
620	APPLY COATINGS	9/7/04	HP
625 A	FINAL ASSEMBLY	9-9-04	RW
B	TRIGGER PULL TEST	9-13-04	RTL
C	SAFETY "ON" FORCE	9-13-04	RTL
D	SAFETY "OFF" FORCE	9-13-04	RTL
E	FIRING PIN INDENT		
640	TARGET	9-10-04	TRW
655	FINAL INSPECT	9-13-04	RTL
660	PACK	10-4-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

RC 50

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349032

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	K
607	Check Headspace	1 12	90	K
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/19/90	GS
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1-28-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/90	RW
	C) Inspect Ejector Hole for Chamfer		2/6/90	RW
	D) Oil Firing Pin Ass'y		2/6/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-6-90	ML

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			4/8/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			4/8/90	WB
	H) Trigger Pull Test & Retainability						2-6-90	PH
	I) Firing Pin Indent	.022	.022	.022			4/8/90	WB
	J) Assemble Stock						4/16/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/16/90	RW
	M) Iron Sight Alignment						4/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/16/90	RW
	O) Attach Scope to Rifle						4/16/90	WB
	P) Detach & Attach Scope 20 Times						4/16/90	WB
640	Gallery Target & Test						4-17-90	AC
	A) Time						4-17-90	AC
	B) Malfunctions						4-17-90	AC
	C) Pierced Primers						4-17-90	AC
	D) Optical Clarity of Scope						4-17-90	AC
645	Inspect for Live Ammo						4-17-90	AC
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.27	2.47	2.43	2.38	2.44	4/26/90	WB
	C) Function						4/27/90	PH
660	Pack						6-19-90	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349032

DATE 4/16/90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.47	2.45	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.41	2.50	2.47	
PULL #3	2.48	2.36	2.48	2.43	
PULL #4	2.48	2.39	2.45	2.38	
PULL #5	2.49	2.40	2.31	2.44	
TOTAL	12.41	12.03	2.19		
AVG.	2.42	2.41	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.20		
PULL #2	3.22	3.23		
PULL #3	3.23	3.15		
PULL #4	3.26	3.21		
PULL #5	3.24	3.19		
TOTAL	16.19	15.98		
AVG.	3.23	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.21		4.10
PULL #2	4.30	4.28		4.12
PULL #3	4.26	4.21		4.12
PULL #4	4.31	4.16		4.10
PULL #5	4.26	4.21		4.11
TOTAL	21.42	21.07		20.55
AVG.	4.28	4.21		4.11

Remington[®] **DUPONT**[®]
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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. C6349032	01
ORDER NO. 5716	



5716 C6349032

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349032
17 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.145661
1 TO	2	.320663
1 TO	3	.464263
1 TO	4	.281897
1 TO	5	.487811

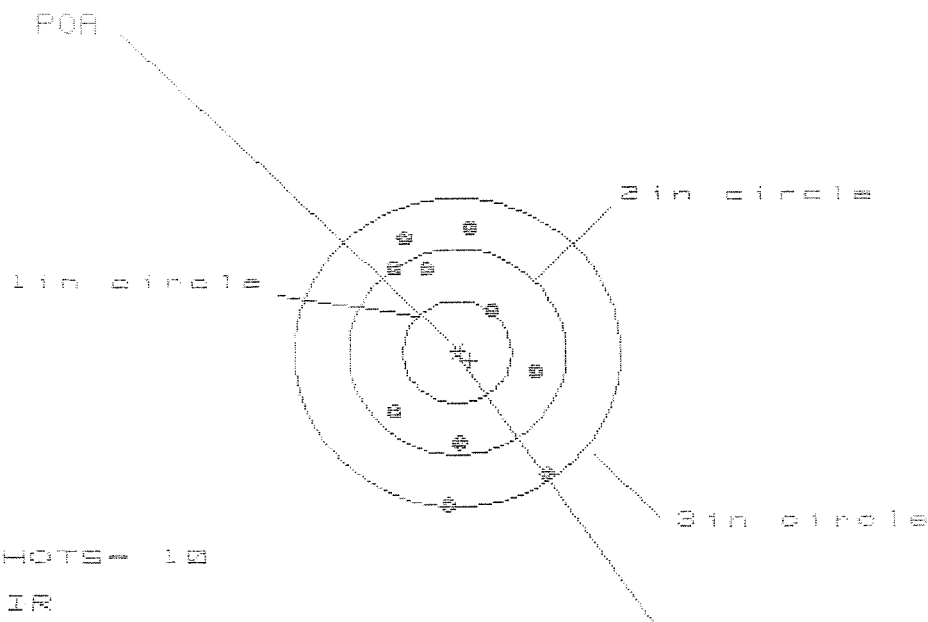
$\frac{3}{4} \frac{1}{100}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2152
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .31149
THE AMR FOR THIS RIFLE IS: .9366

17 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349032

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

MEI = 1.441

VS= 2.757

GS= 2.763

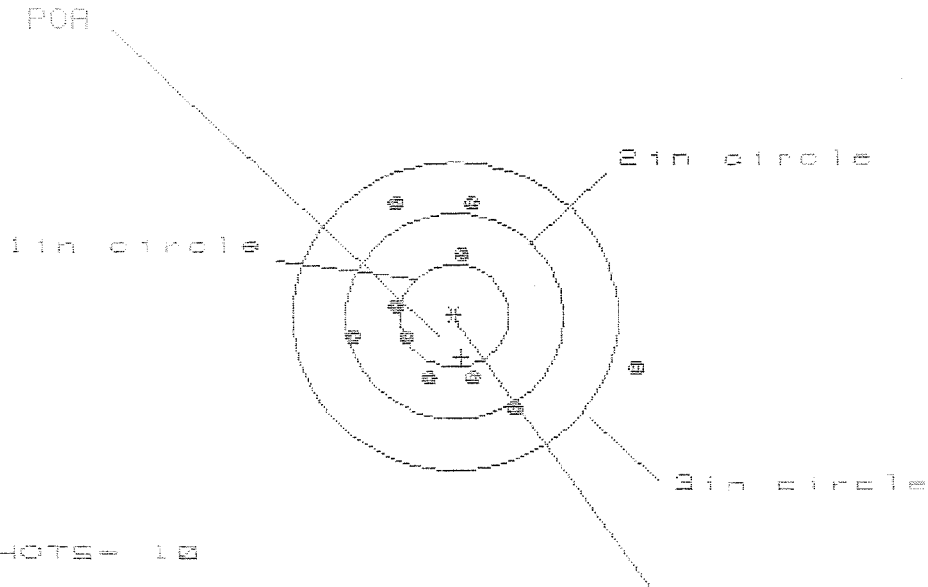
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.848	.842	.837
MINIMUM X	:	-.593	-.599	-.494
MAXIMUM Y	:	1.259	1.092	.923
MINIMUM Y	:	-1.498	-1.354	-1.244
CENTROID X	:	-.119	-.113	-.218
CENTROID Y	:	.084	.251	.420
POA TO CENTROID in.	:	.145	.275	.473
MIN RADIUS	:	.478	.354	.392
MEAN RADIUS	:	1.029	.951	.837
MAX RADIUS	:	1.499	1.594	1.247
HORIZONTAL SPREAD	:	1.441	1.441	1.331
VERTICAL SPREAD	:	2.757	2.446	2.167
EXTREME SPREAD	:	2.763	2.602	2.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349032

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.526

VS= 2.034

GS= 2.625

CENTROID *

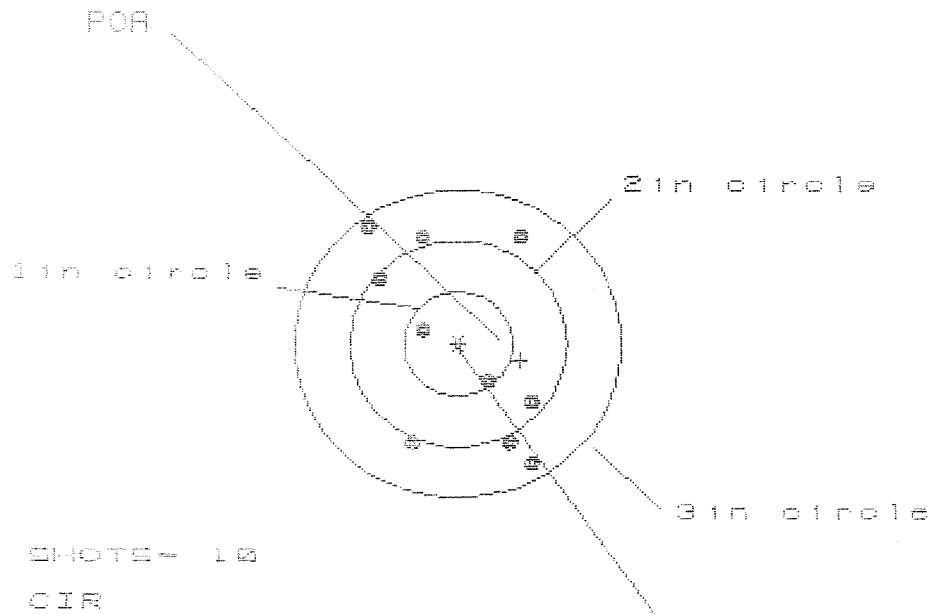
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.627	.753	.714
MINIMUM X	-.899	-.718	-.757
MAXIMUM Y	1.136	1.085	1.213
MINIMUM Y	-.898	-.949	-.819
CENTROID X	-.859	-.240	-.201
CENTROID Y	.399	.450	.320
POA TO CENTROID in.	.403	.510	.378
MIN RADIUS	.512	.360	.354
MEAN RADIUS	.897	.772	.721
MAX RADIUS	1.691	1.212	1.255
HORIZONTAL SPREAD	2.526	1.471	1.471
VERTICAL SPREAD	2.034	2.034	2.034
EXTREME SPREAD	2.625	2.254	2.073
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

17 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349032

CENTERFIRE PATTERNS

3



* OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 10

HS= 1.515

VS= 2.308

GS= 2.761

CENTROID *

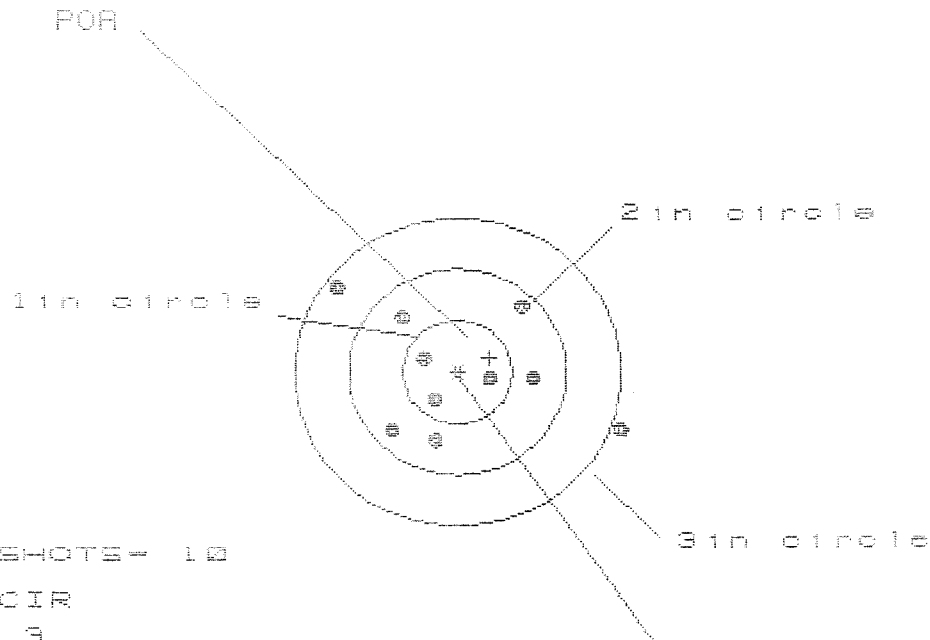
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.687	.595	.639
MINIMUM X	:	-.828	-.777	-.703
MAXIMUM Y	:	1.108	1.187	1.052
MINIMUM Y	:	-1.200	-1.077	-1.002
CENTROID X	:	-.577	-.485	-.559
CENTROID Y	:	.160	.037	.172
POA TO CENTROID in.	:	.599	.486	.585
MIN RADIUS	:	.353	.243	.363
MEAN RADIUS	:	.968	.905	.865
MAX RADIUS	:	1.383	1.255	1.156
HORIZONTAL SPREAD	:	1.515	1.372	1.342
VERTICAL SPREAD	:	2.308	2.264	2.054
EXTREME SPREAD	:	2.761	2.476	2.264
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349032

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 0

2in = 0

3in = 0

HW = 2.628

VS = 1.541

GS = 2.974

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.491	.889	.768
MINIMUM X	:	-1.137	-.972	-.568
MAXIMUM Y	:	.843	.782	.672
MINIMUM Y	:	-.698	-.759	-.661
CENTROID X	:	-.294	-.459	-.338
CENTROID Y	:	-.137	-.076	-.173
POA TO CENTROID in.	:	.324	.466	.380
MIN RADIUS	:	.270	.172	.288
MEAN RADIUS	:	.788	.687	.604
MAX RADIUS	:	1.589	1.247	.903
HORIZONTAL SPREAD	:	2.628	1.861	1.336
VERTICAL SPREAD	:	1.541	1.541	1.334
EXTREME SPREAD	:	2.974	2.058	1.668
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C9349032

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 2.305

VS= 2.137

GS= 2.476

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.172
MINIMUM X	-1.133
MAXIMUM Y	1.226
MINIMUM Y	-.911
CENTROID X	-.077
CENTROID Y	.570
POA TO CENTROID in.	.575
MIN RADIUS	.414
MEAN RADIUS	1.001
MAX RADIUS	1.271
HORIZONTAL SPREAD	2.305
VERTICAL SPREAD	2.137
EXTREME SPREAD	2.476
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	10