

G6360985
Rephased
C-6348949

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: **RE00092446** Serial: C6348949 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 04/07/1989 Repairman: Status: Closed 2/3/2005 1:26:18 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Good

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

magletj 8/17/2005 7:32 AM CAPS NUM INS SCPL

start 3 Arms S. 2 4

G 636 0985 (New)

Serial Number: **C6348949**

Model: M24 SWS



RE00092446

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6360985.__0
FILE DATE AND TIME: 08/30/2005 11:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.082
The Average Y Centroid of the Five Target Set:	-0.051
The Average Point of Impact of the Five Target Set:	0.097
The Average Mean Radius of the Five Target Set:	0.901
The Distance from POA to Centroid Target #1:	0.227
The Distance from Centroid Target #2 to Centroid Target #1:	0.325
The Distance from Centroid Target #3 to Centroid Target #1:	0.446
The Distance from Centroid Target #4 to Centroid Target #1:	0.409
The Distance from Centroid Target #5 to Centroid Target #1:	0.053

SERIAL NUMBER: G6360985. __0

TARGET NUMBER: 1

FILE DATE: 08/30/2005

FILE TIME: 11:01

X CENTROID: -0.144

Y CENTROID: 0.176

POA TO CENTROID: 0.227

HORZ SPREAD: 1.500

VERT SPREAD: 1.753

GROUP SPREAD: 2.009

MIN RADIUS: 0.166

MAX RADIUS: 1.345

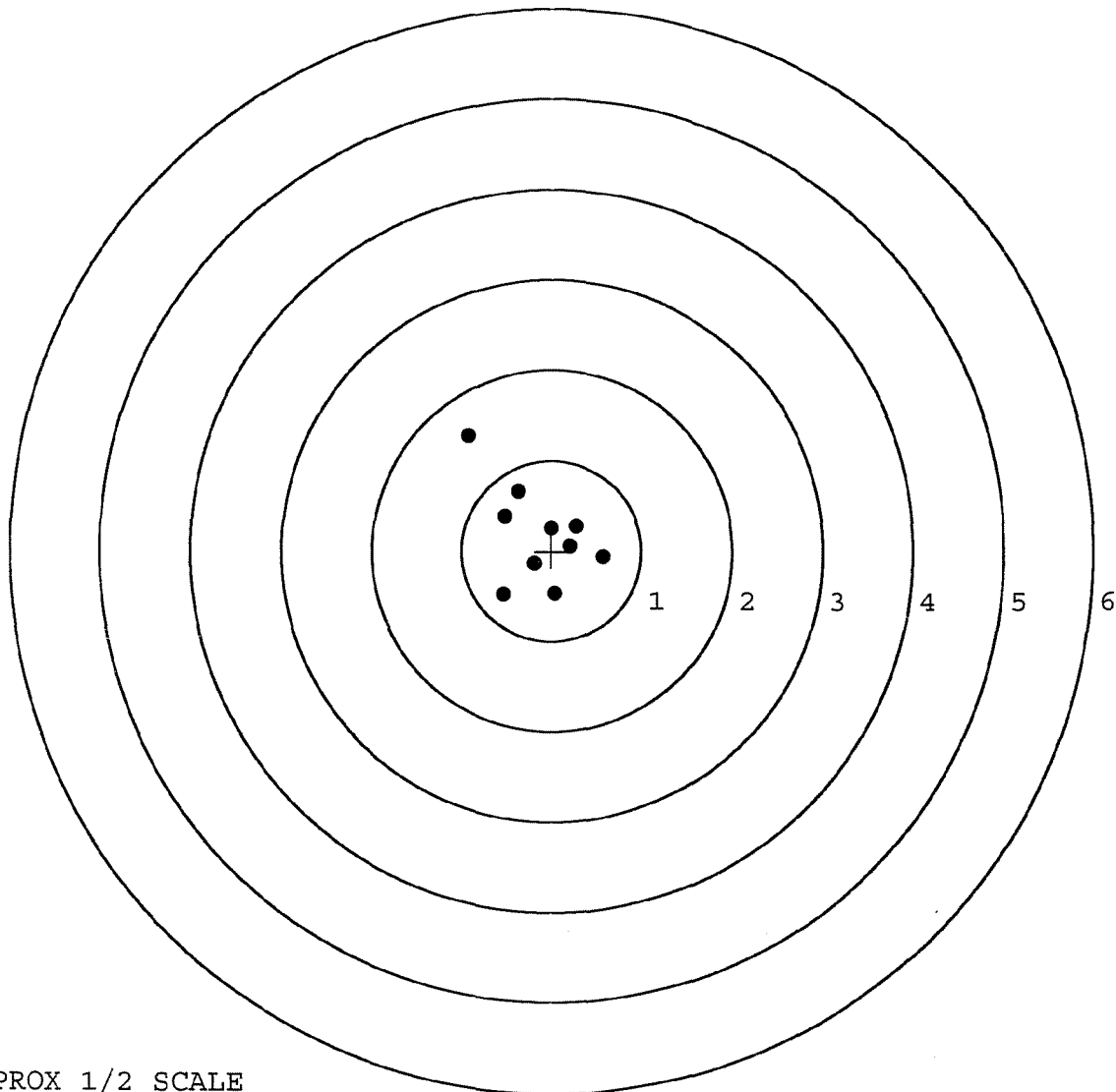
MEAN RADIUS: 0.582

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.578	-0.063
2:	0.283	0.276
3:	0.208	0.060
4:	0.001	0.258
5:	0.036	-0.475
6:	-0.190	-0.142
7:	-0.539	-0.480
8:	-0.521	0.392
9:	-0.373	0.663
10:	-0.922	1.273



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360985. 0

TARGET NUMBER: 2

FILE DATE: 08/30/2005

FILE TIME: 11:01

X CENTROID: -0.179

Y CENTROID: -0.147

POA TO CENTROID: 0.231

HORZ SPREAD: 2.635

VERT SPREAD: 4.304

GROUP SPREAD: 4.686

MIN RADIUS: 0.180

MAX RADIUS: 2.785

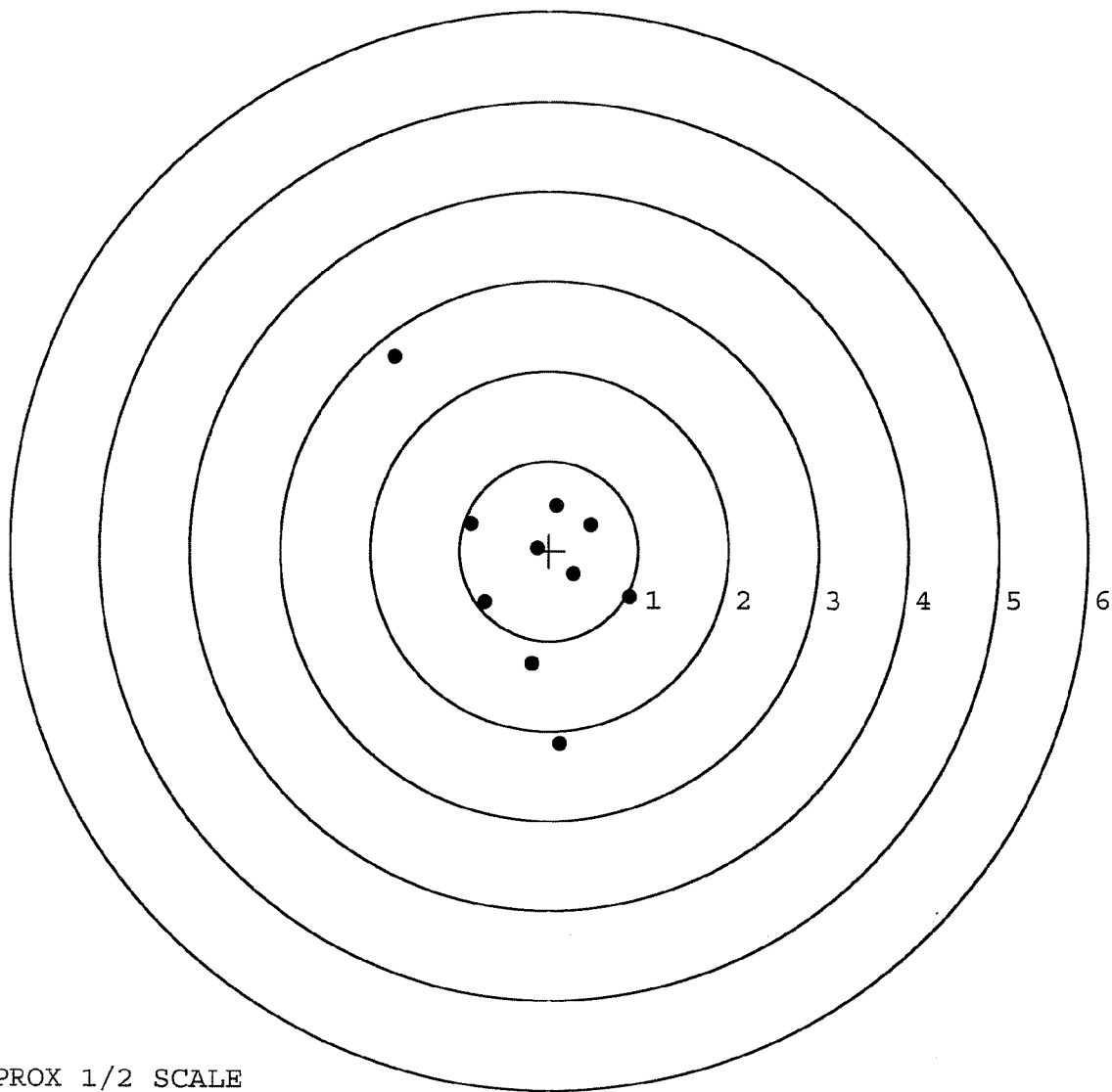
MEAN RADIUS: 1.070

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.121	-2.140
2:	-0.188	-1.257
3:	-0.714	-0.577
4:	0.903	-0.524
5:	0.275	-0.262
6:	-0.133	0.027
7:	-0.869	0.304
8:	0.470	0.289
9:	0.081	0.505
10:	-1.732	2.164



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360985. __0

TARGET NUMBER: 3

FILE DATE: 08/30/2005

FILE TIME: 11:01

X CENTROID: 0.023

Y CENTROID: -0.237

POA TO CENTROID: 0.238

HORZ SPREAD: 2.413

VERT SPREAD: 3.267

GROUP SPREAD: 3.536

MIN RADIUS: 0.019

MAX RADIUS: 2.067

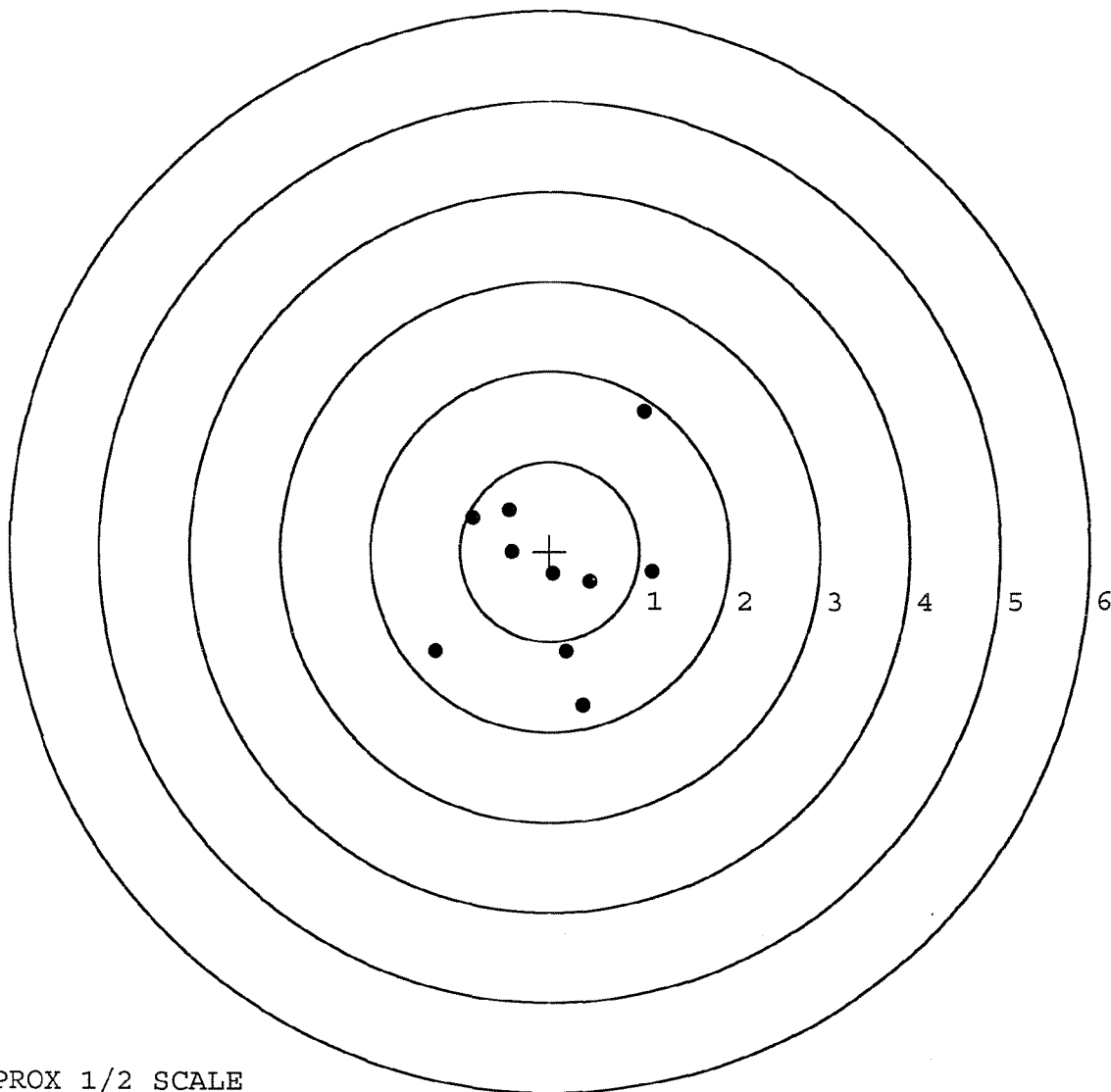
MEAN RADIUS: 1.004

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.375	-1.712
2:	0.187	-1.116
3:	-1.268	-1.113
4:	1.145	-0.230
5:	0.447	-0.336
6:	0.035	-0.251
7:	-0.422	-0.010
8:	-0.456	0.461
9:	-0.866	0.383
10:	1.053	1.555



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360985. 0

TARGET NUMBER: 4

FILE DATE: 08/30/2005

FILE TIME: 11:01

X CENTROID: -0.020

Y CENTROID: -0.214

POA TO CENTROID: 0.215

HORZ SPREAD: 2.804

VERT SPREAD: 2.141

GROUP SPREAD: 3.246

MIN RADIUS: 0.198

MAX RADIUS: 1.826

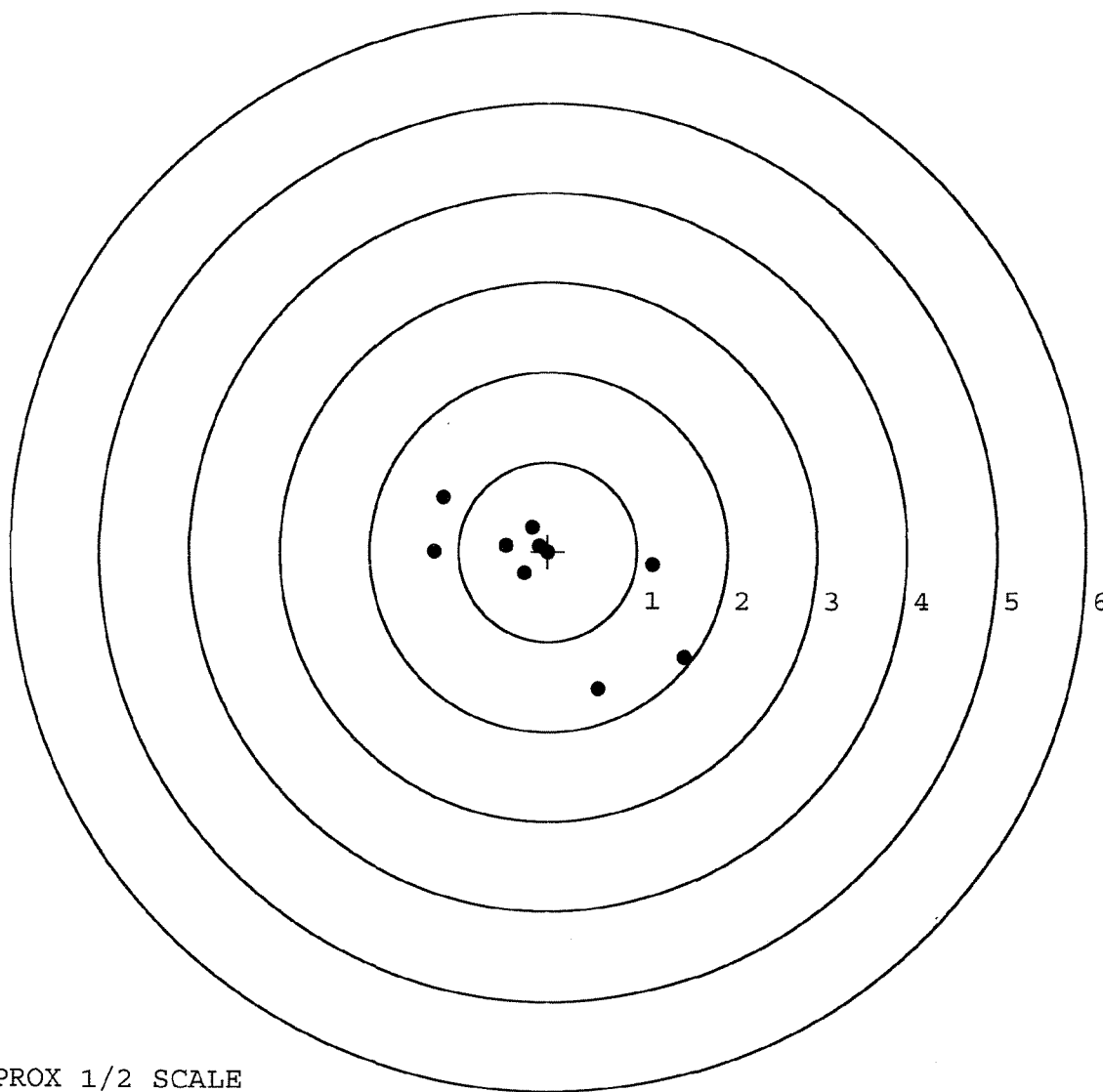
MEAN RADIUS: 0.891

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.526	-1.186
2:	0.561	-1.528
3:	1.171	-0.158
4:	0.005	-0.018
5:	-0.095	0.055
6:	-0.184	0.269
7:	-0.467	0.062
8:	-1.278	-0.002
9:	-1.176	0.613
10:	-0.263	-0.248



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360985. __0

TARGET NUMBER: 5

FILE DATE: 08/30/2005

FILE TIME: 11:01

POINT#	X	Y
1:	1.347	0.048
2:	0.725	0.151
3:	0.395	-0.397
4:	-0.074	-0.430
5:	-0.318	-0.876
6:	-0.326	0.066
7:	-1.032	-0.176
8:	-1.218	0.487
9:	-0.127	0.951
10:	-0.291	1.850

X CENTROID: -0.092

Y CENTROID: 0.167

POA TO CENTROID: 0.191

HORZ SPREAD: 2.565

VERT SPREAD: 2.726

GROUP SPREAD: 2.726

MIN RADIUS: 0.255

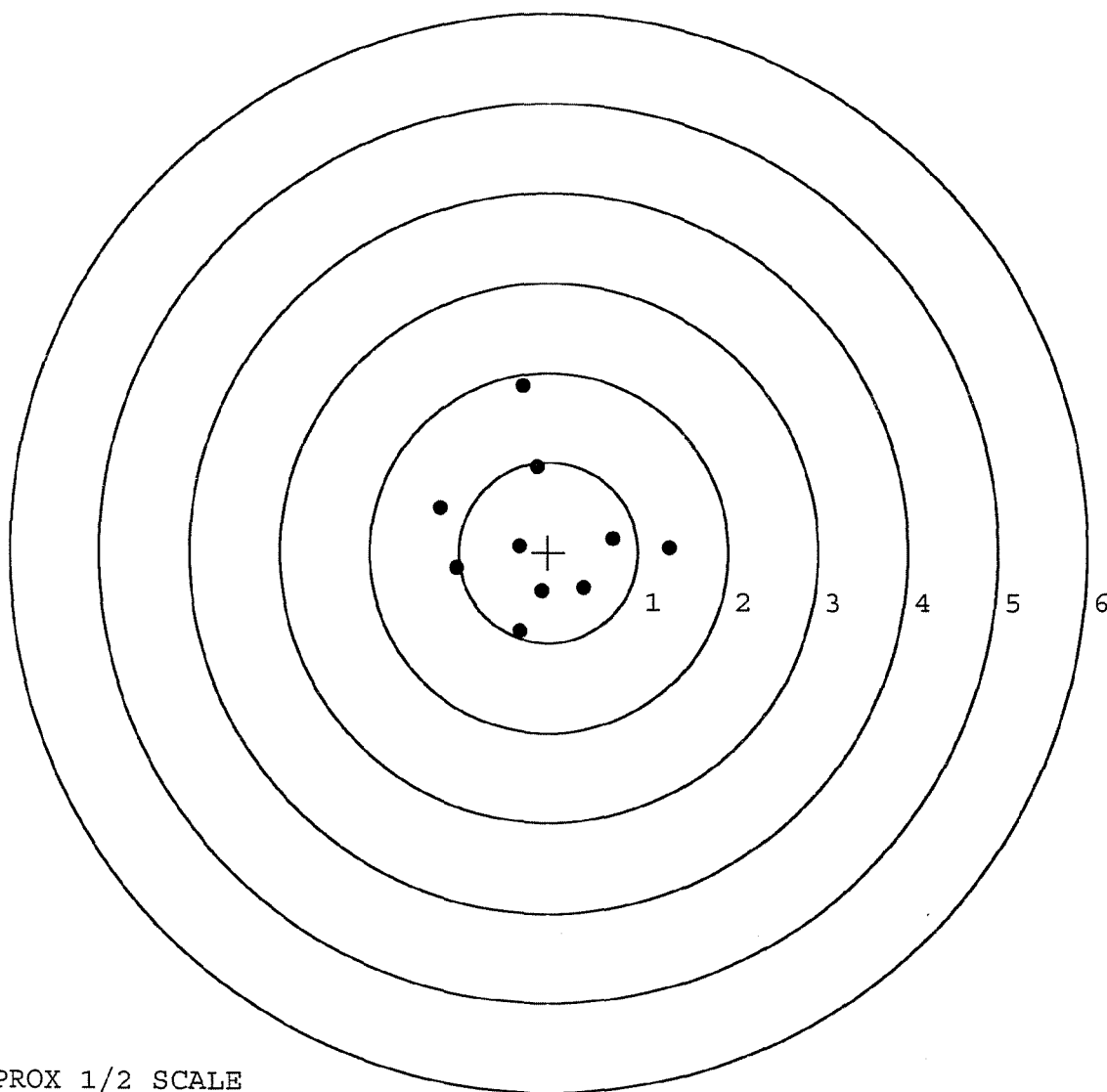
MAX RADIUS: 1.694

MEAN RADIUS: 0.958

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



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)

DATE 8-18-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.28	2.16		2.20	
PULL #2	2.23	2.13		2.56	
PULL #3	2.18	2.08		2.49	
PULL #4	2.32	2.04		2.32	
PULL #5	2.26	2.39		2.67	
TOTAL	11.27	10.80		12.24	
AVERAGE	2.25	2.16		2.44	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.36		
PULL #2	3.25	3.42		
PULL #3	3.37	3.32		
PULL #4	3.59	3.27		
PULL #5	3.30	3.18		
TOTAL	16.69	16.55		
AVERAGE	3.33	3.31		

	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	4.29	4.54		4.74
PULL #2	4.07	4.40		4.79
PULL #3	4.55	4.32		4.76
PULL #4	4.15	4.34		4.79
PULL #5	4.15	3.84		4.81
TOTAL	21.21	21.44		23.89
AVERAGE	4.24	4.28		4.77

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0427

R & E NUMBER	92446		
SERIAL NUMBER	C-6348949 C-6360985 New		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-18-05	RTZ
560 A	RE-BARREL	8-23-05	RTZ
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RR
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTZ
612	MAGNAFLUX WATER <i>mm</i>	8/25/05	<i>mm</i>
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RTZ
625 A	FINAL ASSEMBLY	8-30-05	RTZ
B	TRIGGER PULL TEST	9-1-05	AC
C	SAFETY "ON" FORCE	9-1-05	AC
D	SAFETY "OFF" FORCE	9-1-05	AC
E	FIRING PIN INDENT	9-1-05	AC
640	TARGET	8-30-05	TRW
655	FINAL INSPECT	9-1-05	AC
660	PACK	9-12-05	RTA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

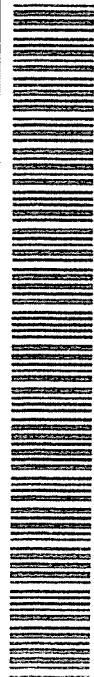
MODEL 700™ M24

SERIAL NO.
 C6348949

ORDER NO.
 5716

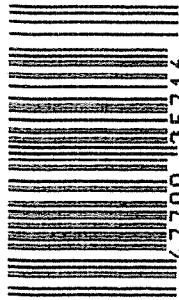
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Q1



5716 C6348949

UPC



0 47700 25716 7

GUN SERIAL # C6348949

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 23	89	RW
612	Magnaflux Barrel Action	9/29/89		KER
	Magnaflux Bolt	9/29/89		KER
615	Rollmark Caliber	9/29/89		LS
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10-11-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		26 Oct 89	gss

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/27/89	JM
	G) Safety Off Force	4	4	4			10/27/89	JM
	H) Trigger Pull Test & Retainability						26 Oct 89	JM
	I) Firing Pin Indent	.022	.0215	.0225			10/27/89	JM
	J) Assemble Stock						11/27/89	RW
	K) Assemble Swivel Studs						31 Oct 89	JM
	L) Attach Front and Rear Sight Assemblies						10/27/89	RW
	M) Iron Sight Alignment						10/27/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/27/89	RW
	O) Attach Scope to Rifle						10/27/89	JM
	P) Detach & Attach Scope 20 Times						10/27/89	JM
640	Gallery Target & Test						10-30-89	AC
	A) Time						10-30-89	AC
	B) Malfunctions						10-30-89	AC
	C) Pierced Primers						10-30-89	AC
	D) Optical Clarity of Scope						10-30-89	AC
645	Inspect for Live Ammo						10-30-89	AC
655	Final Inspection A) Headspace						31 Oct 89	JM
	B) Trigger Pull	253	257	262	263	258	31 Oct 89	JM
	C) Function						31 Oct 89	JM
660	Pack						18 Dec 89	JM

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C634 8949

DATE 12 MAR 90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	238	234		275	MIN. SETTING,
PULL #2	229	230		273	NO AVG. OF 5
PULL #3	229	229		268	READINGS ACCEPT-
PULL #4	226	227		267	ABLE LESS THAN 2#
PULL #5	226	227		267	
TOTAL	1148	1147			
AVG.	2296	2294			

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	293	264			
PULL #2	288	260			
PULL #3	287	253			
PULL #4	286	257			
PULL #5	285	250			
TOTAL	1439	1384			
AVG.	2878	2768			

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	382	382		
PULL #2	377	377		
PULL #3	377	375		
PULL #4	374	372		
PULL #5	368	372		
TOTAL	1862	1878		
AVG.	3724	3756		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348949
30 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.704268
1 TO	2	1.12448
1 TO	3	.899669
1 TO	4	.926835
1 TO	5	.697266

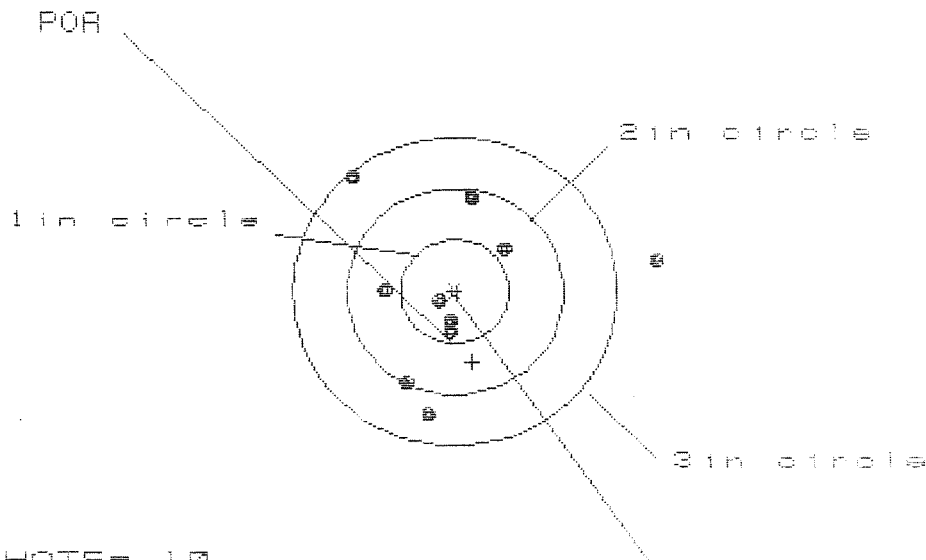
1
+5
2 04 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0875
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0901288
THE AMR FOR THIS RIFLE IS: 1.067

30 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346949

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.733

VS= 2.267

GS= 2.837

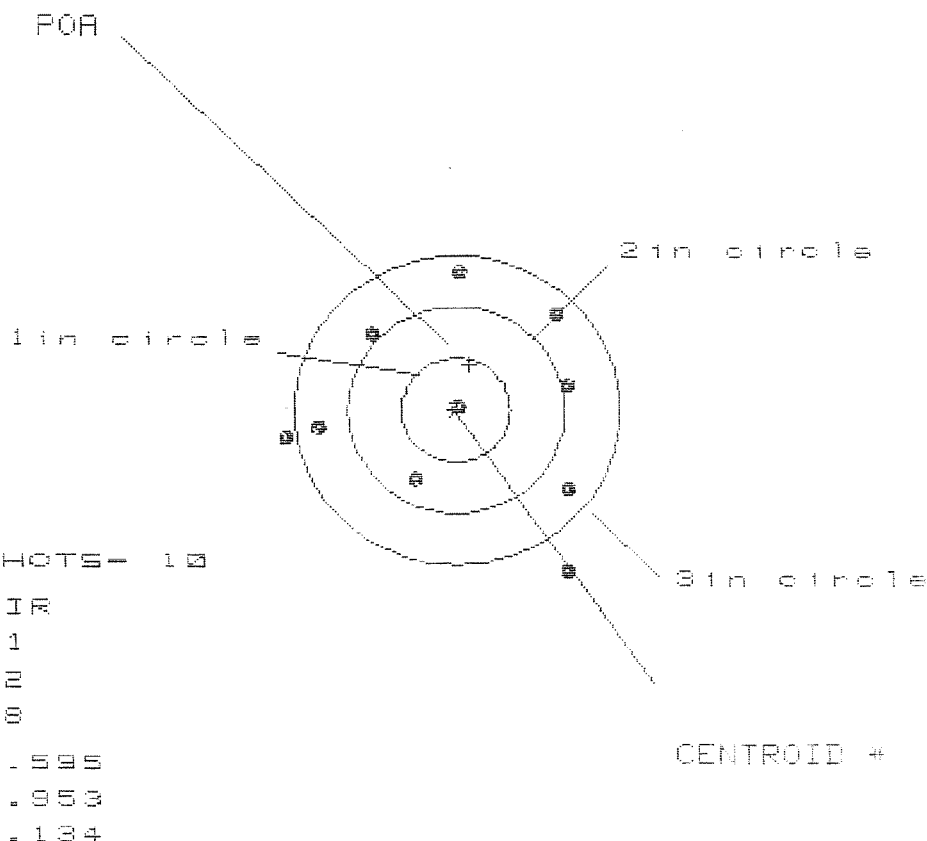
CENTROID X

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.810	.645	.554
MINIMUM X	-.922	-.721	-.495
MAXIMUM Y	1.100	1.137	1.130
MINIMUM Y	-1.167	-1.130	-.938
CENTROID X	-.155	-.356	-.266
CENTROID Y	.687	.650	.508
POR TO CENTROID in.	.705	.741	.573
MIN RADIUS	.119	.092	.127
MEAN RADIUS	.846	.709	.595
MAX RADIUS	1.842	1.347	1.154
HORIZONTAL SPREAD	2.733	1.366	1.050
VERTICAL SPREAD	2.267	2.267	2.118
EXTREME SPREAD	2.837	2.374	2.145
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

38 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348949

CENTERFIRE PATTERNS # 2



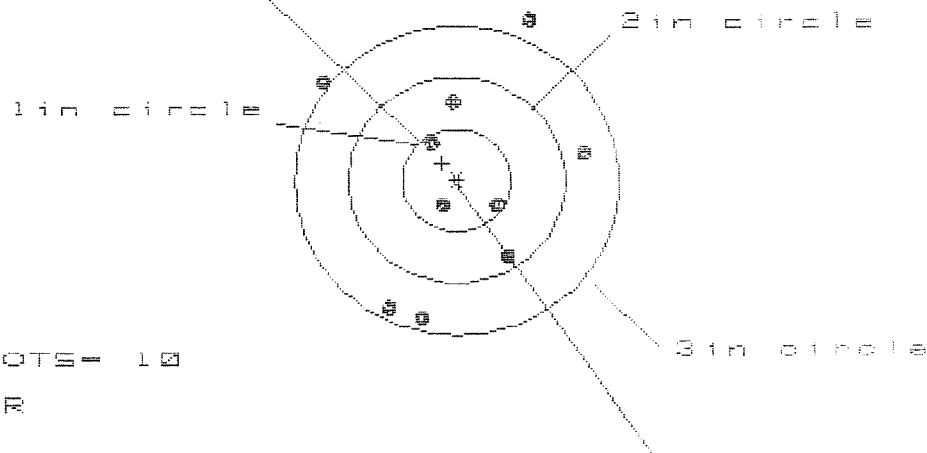
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.042	1.125	.946
MINIMUM X	:	-1.553	-1.437	-1.319
MAXIMUM Y	:	1.361	1.184	1.134
MINIMUM Y	:	-1.592	-.897	-.947
CENTROID X	:	-.122	-.238	-.059
CENTROID Y	:	-.437	-.260	-.210
POA TO CENTROID in.	:	.454	.353	.218
MIN RADIUS	:	.081	.143	.165
MEAN RADIUS	:	1.151	1.057	.994
MAX RADIUS	:	1.903	1.493	1.371
HORIZONTAL SPREAD	:	2.595	2.562	2.265
VERTICAL SPREAD	:	2.953	2.081	2.081
EXTREME SPREAD	:	3.134	2.710	2.468
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346949

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.335

VS = 2.877

CS = 3.100

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.124	1.193	1.050
MINIMUM X	-1.211	-1.142	-0.782
MAXIMUM Y	1.583	1.125	1.056
MINIMUM Y	-1.294	-1.119	-0.978
CENTROID X	.131	.062	.205
CENTROID Y	-.166	-.341	-.482
POA TO CENTROID in.	.211	.347	.524
MIN RADIUS	.273	.084	.177
MEAN RADIUS	.990	.889	.783
MAX RADIUS	1.700	1.603	1.186
HORIZONTAL SPREAD	2.335	2.335	1.752
VERTICAL SPREAD	2.877	2.244	2.034
EXTREME SPREAD	3.100	2.442	2.299
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

30 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346349

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 1

3in = 7

HS= 2.676

VS= 2.603

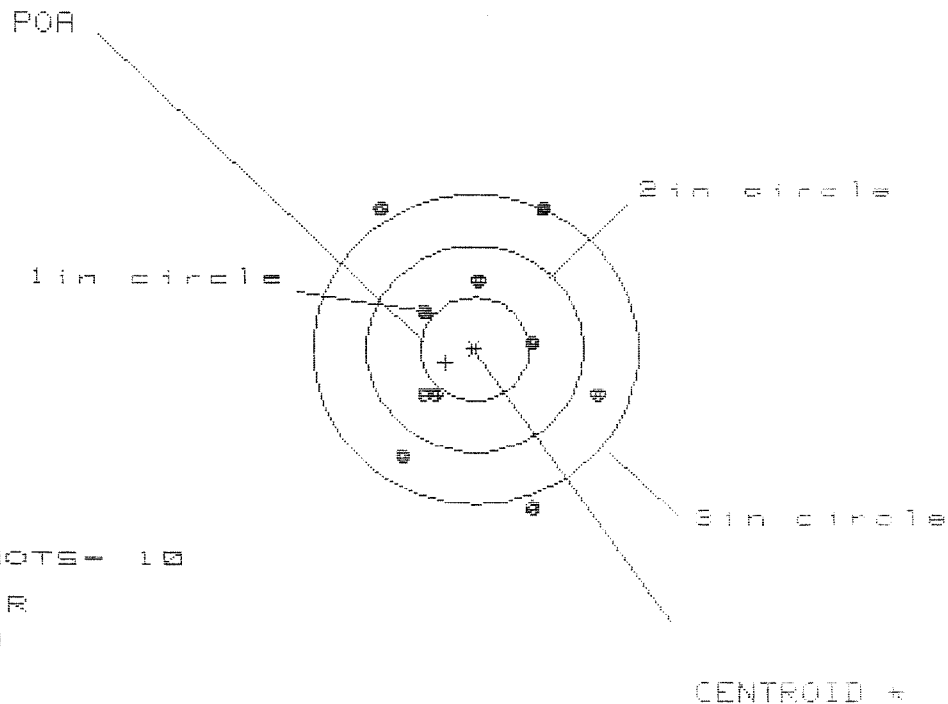
CS= 3.129

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.164	.996	.626
MINIMUM X	-1.512	-1.668	-1.838
MAXIMUM Y	1.390	1.291	1.421
MINIMUM Y	-1.213	-1.312	-1.182
CENTROID X	.313	.481	.651
CENTROID Y	-.113	-.014	-.144
POA TO CENTROID in.	.333	.481	.667
MIN RADIUS	.751	.844	.781
MEAN RADIUS	1.328	1.255	1.161
MAX RADIUS	1.755	1.710	1.892
HORIZONTAL SPREAD	2.676	2.664	2.664
VERTICAL SPREAD	2.603	2.603	2.603
EXTREME SPREAD	3.129	3.129	2.882
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		1	
NUMBER IN THREE INCH CIRCLE =		7	

30 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348949

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 1.989

VS= 2.849

GS= 3.144

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.054	1.103
MINIMUM X	-.842	-.776	-.727
MAXIMUM Y	1.364	1.515	1.348
MINIMUM Y	-1.485	-1.333	-1.054
CENTROID X	.271	.364	.315
CENTROID Y	.135	-.017	.150
POA TO CENTROID in.	.302	.365	.349
MIN RADIUS	.538	.489	.493
MEAN RADIUS	1.019	.950	.881
MAX RADIUS	1.603	1.620	1.485
HORIZONTAL SPREAD	1.989	1.830	1.830
VERTICAL SPREAD	2.849	2.848	2.402
EXTREME SPREAD	3.144	2.854	2.755
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	7	7	7