

C6348871

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00102229

Serial: C6348871 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Verify Repair

Status:

Closed: 10/12/2005 2:11:19 PM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: FB4484 305 APS/TRTC

FB4484 305 APS/TRTC

Address 1: 3101 VANDENBERG AVE

3101 VANDENBERG AVE

Address 2: P.O. Box:

P.O. Box:

City: MCGUIRE AIR FORCE BASE

MCGUIRE AIR FORCE BASE

State: NJ

Zip Code: 08641

Country: US

State: NJ

Zip Code: 08641

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Front and Rear Sqt Base	1

Repair Search

Refresh

Close

maglet

10/13/2005

8:59 AM

CAPS

NUM

IJS

SCPL

start

Serial Number:

C6348871

Model: M24 SWS



RE00102229

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348871.___0
FILE DATE AND TIME: 12/28/2005 15:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.039
The Average Y Centroid of the Five Target Set:	-0.140
The Average Point of Impact of the Five Target Set:	0.145
The Average Mean Radius of the Five Target Set:	0.629
The Distance from POA to Centroid Target #1:	0.090
The Distance from Centroid Target #2 to Centroid Target #1:	0.093
The Distance from Centroid Target #3 to Centroid Target #1:	0.185
The Distance from Centroid Target #4 to Centroid Target #1:	0.132
The Distance from Centroid Target #5 to Centroid Target #1:	0.379

BARBER - M24 0040297

SERIAL NUMBER: C6348871. 0

TARGET NUMBER: 1

FILE DATE: 12/28/2005

FILE TIME: 15:55

POINT#	X	Y
1:	0.639	0.920
2:	0.413	0.412
3:	0.284	0.033
4:	0.199	-0.361
5:	0.153	-0.158
6:	-0.166	-0.879
7:	-0.368	-0.850
8:	-0.171	-0.148
9:	-0.133	0.100
10:	-0.208	0.301

X CENTROID: 0.064

Y CENTROID: -0.063

POA TO CENTROID: 0.090

HORZ SPREAD: 1.007

VERT SPREAD: 1.799

GROUP SPREAD: 2.036

MIN RADIUS: 0.130

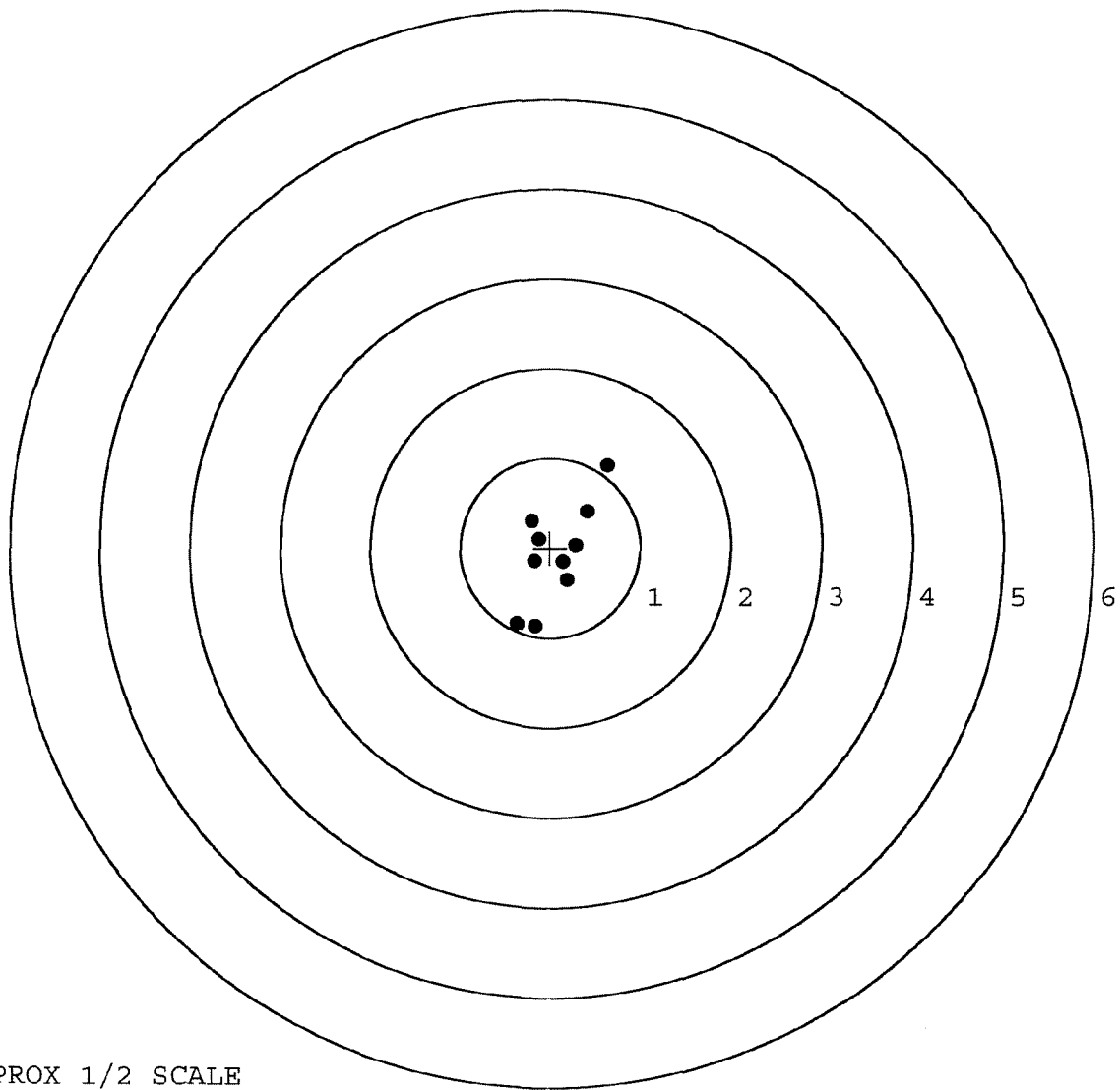
MAX RADIUS: 1.139

MEAN RADIUS: 0.513

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0040298

SERIAL NUMBER: C6348871. 0

TARGET NUMBER: 2

FILE DATE: 12/28/2005

FILE TIME: 15:55

POINT#	X	Y
1:	-0.471	-1.435
2:	-0.035	-0.631
3:	-0.504	-0.440
4:	-0.376	0.046
5:	0.964	-0.035
6:	0.578	0.343
7:	0.562	0.127
8:	0.077	-0.007
9:	0.206	0.197
10:	0.138	0.422

X CENTROID: 0.114

Y CENTROID: -0.141

POA TO CENTROID: 0.181

HORZ SPREAD: 1.468

VERT SPREAD: 1.857

GROUP SPREAD: 2.064

MIN RADIUS: 0.139

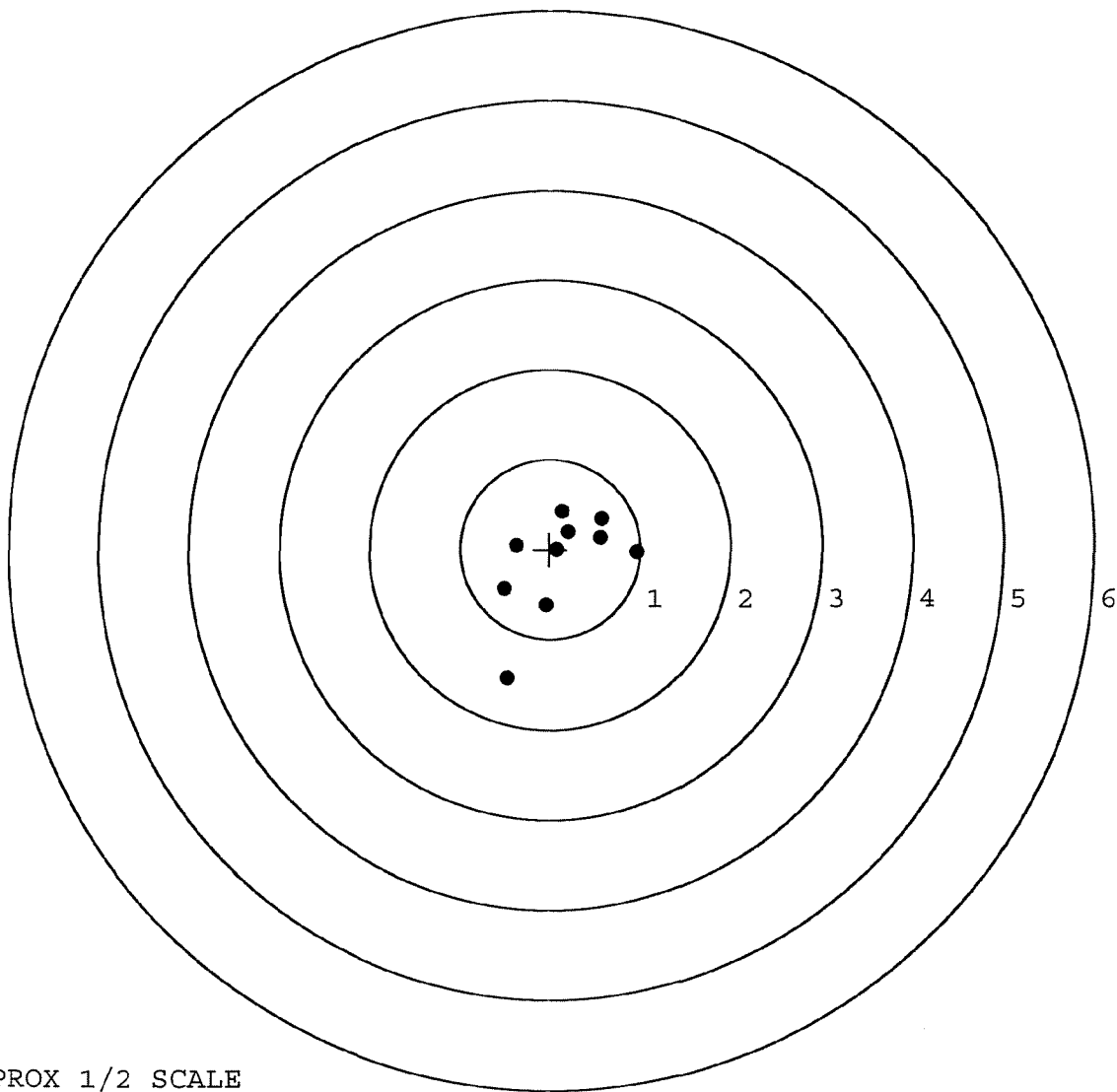
MAX RADIUS: 1.420

MEAN RADIUS: 0.625

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



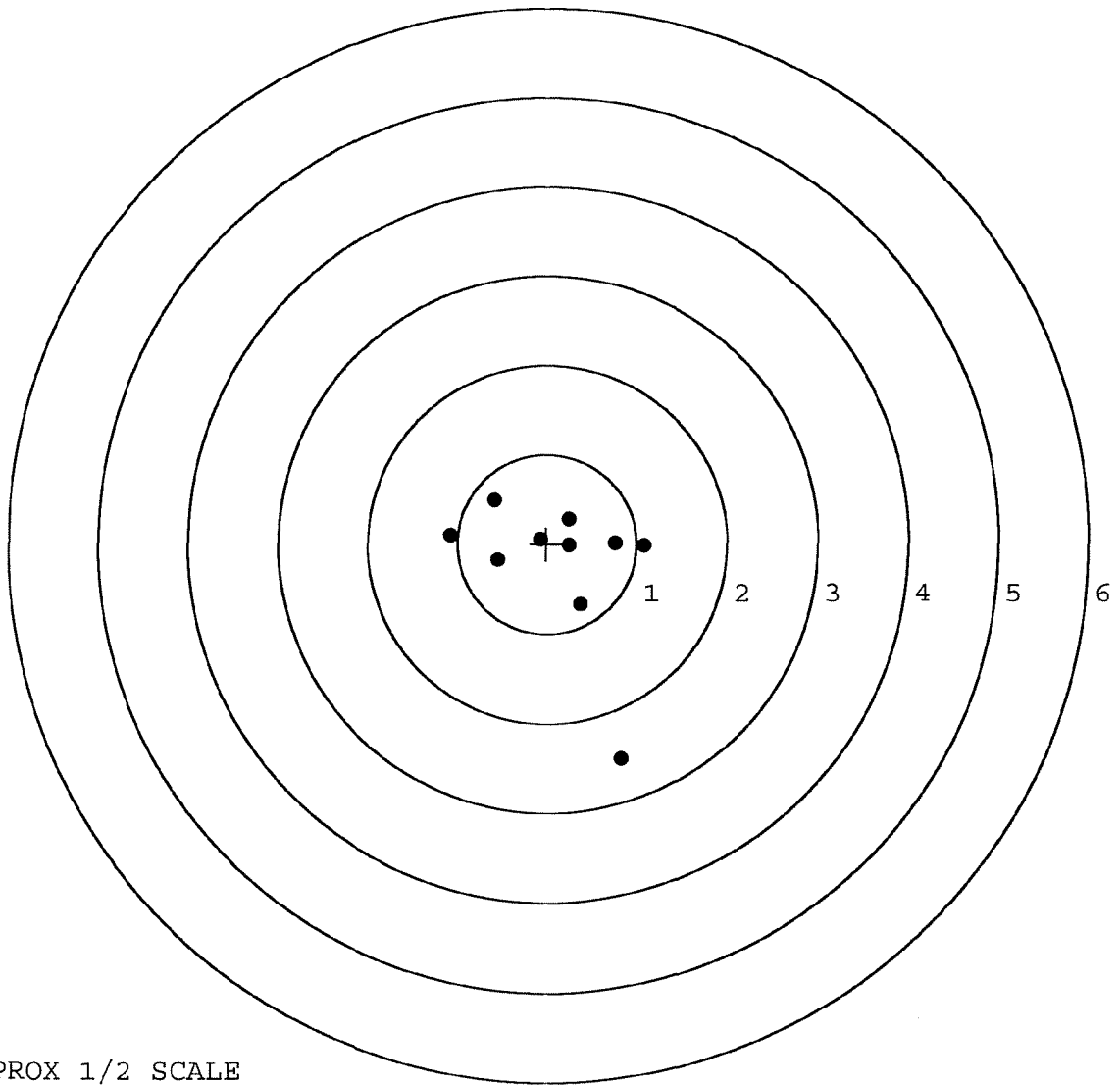
TARGET APPROX 1/2 SCALE

BARBER - M24 0040299

SERIAL NUMBER: C6348871. __0
 TARGET NUMBER: 3
 FILE DATE: 12/28/2005
 FILE TIME: 15:55

POINT#	X	Y
1:	1.081	-0.024
2:	0.758	0.011
3:	0.380	-0.680
4:	0.244	0.279
5:	0.248	-0.017
6:	-0.069	0.048
7:	-0.587	0.492
8:	-0.552	-0.186
9:	-1.078	0.098
10:	0.833	-2.394

X CENTROID: 0.126
 Y CENTROID: -0.237
 POA TO CENTROID: 0.269
 HORZ SPREAD: 2.159
 VERT SPREAD: 2.886
 GROUP SPREAD: 3.216
 MIN RADIUS: 0.252
 MAX RADIUS: 2.270
 MEAN RADIUS: 0.851
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



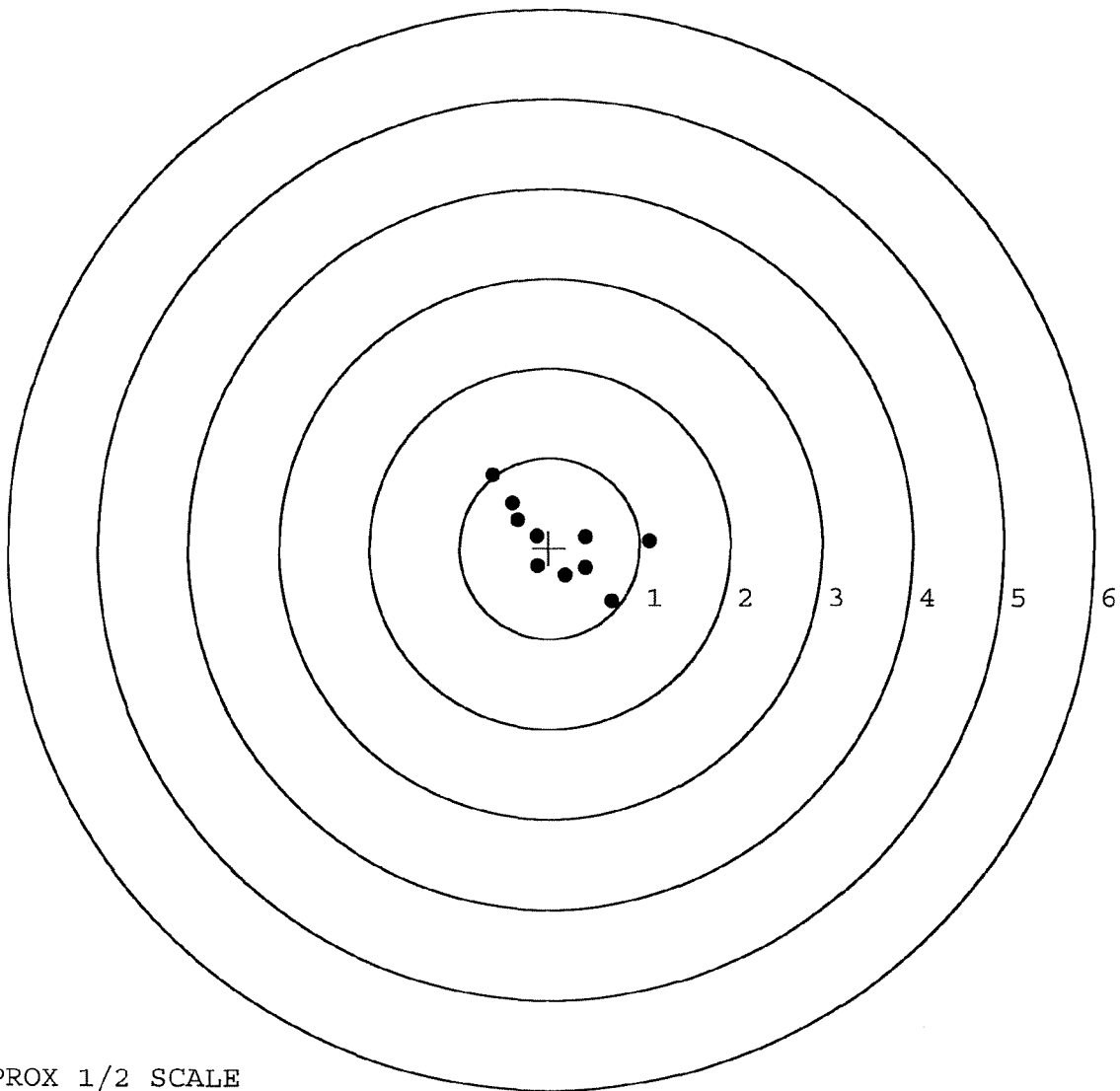
TARGET APPROX 1/2 SCALE

BARBER - M24 0040300

SERIAL NUMBER: C6348871. __0
 TARGET NUMBER: 4
 FILE DATE: 12/28/2005
 FILE TIME: 15:55

POINT#	X	Y
1:	1.103	0.075
2:	0.696	-0.587
3:	0.394	0.123
4:	0.401	-0.223
5:	0.184	-0.302
6:	-0.131	-0.206
7:	-0.143	0.130
8:	-0.358	0.308
9:	-0.417	0.491
10:	-0.640	0.802

X CENTROID: 0.109
 Y CENTROID: 0.061
 POA TO CENTROID: 0.125
 HORZ SPREAD: 1.743
 VERT SPREAD: 1.389
 GROUP SPREAD: 1.927
 MIN RADIUS: 0.261
 MAX RADIUS: 1.053
 MEAN RADIUS: 0.582
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



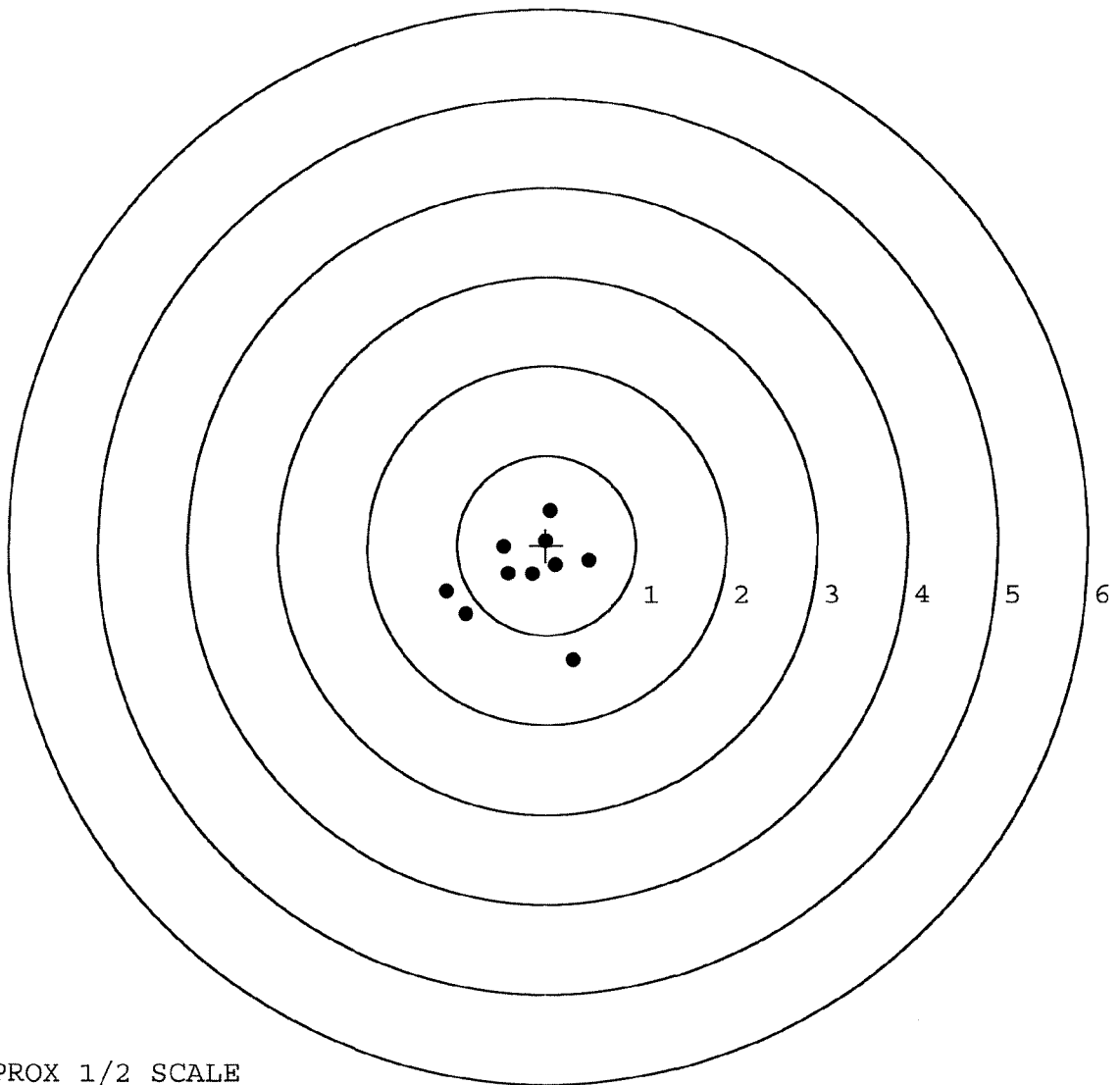
TARGET APPROX 1/2 SCALE

BARBER - M24 0040301

SERIAL NUMBER: C6348871. __0
 TARGET NUMBER: 5
 FILE DATE: 12/28/2005
 FILE TIME: 15:55

POINT#	X	Y
1:	0.304	-1.286
2:	-0.903	-0.770
3:	-1.114	-0.517
4:	0.474	-0.168
5:	0.042	0.387
6:	-0.474	-0.014
7:	-0.432	-0.315
8:	-0.157	-0.322
9:	-0.011	0.047
10:	0.104	-0.222

X CENTROID: -0.217
 Y CENTROID: -0.318
 POA TO CENTROID: 0.385
 HORZ SPREAD: 1.588
 VERT SPREAD: 1.673
 GROUP SPREAD: 1.693
 MIN RADIUS: 0.060
 MAX RADIUS: 1.099
 MEAN RADIUS: 0.572
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102229		
SERIAL NUMBER	06348871		
LOG-IN DATE	10-12-06		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-17-08	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	N/A	TRW
575	ASSEMBLE	12-12-05	CD
600	PROOF	12-12-05	CD
605	CHECK HEADSPACE	12-12-05	CD
610	DIS-ASSEMBLE GUN	12-12-05	CD
612	MAGNAFLUX	12/15/05	uncl
615	ROLLMARK CALIBER	12-15-05	CW
618	ROTO-BLAST	12-16-05	LB
620	APPLY COATINGS	12/20/05	TRB
625 A	FINAL ASSEMBLY	12-28-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	12-28-05	AC
D	SAFETY "OFF" FORCE	12-28-05	AC
E	FIRING PIN INDENT	12-28-05	AC
640	TARGET	12-28-05	TRW
655	FINAL INSPECT	12-28-05	AC
660	PACK	12-29-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

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.

UPPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.	06348871
ORDER NO.	5716

Ø1

5716 06348871

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348871

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	LE
618	Polish Barrel RB	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		21 Sept 89	ES

op. #	OP. NAME	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	5	5	5		9/27/89	JV	
	G) Safety Off Force	3	3	3		9/27/89	JV	
	H) Trigger Pull Test & Retainability					28 Oct 89	JSS	
	I) Firing Pin Indent	.022	.0215	.022		9/27/89	JV	
	J) Assemble Stock					9/29/89	RW	
	K) Assemble Swivel Studs					9 Oct 89	JSS	
	L) Attach Front and Rear Sight Assemblies					12/11/89	RW	
	M) Iron Sight Alignment					12/11/89	RW	
	N) Detach Front & Rear Sights & place in numbered container					12/11/89	RW	
	O) Attach Scope to Rifle					10/2/89	JV	
	P) Detach & Attach Scope 20 Times					10/2/89	JV	
640	Gallery Target & Test					10-2-89	AC	
	A) Time					10-2-89	AC	
	B) Malfunctions					10-2-89	AC	
	C) Pierced Primers					10-2-89	AC	
	D) Optical Clarity of Scope					10-2-89	AC	
645	Inspect for Live Ammo					10-2-89	AC	
655	Final Inspection A) Headspace					26 Oct 89	JSS	
	B) Trigger Pull	269	260	279	270	249	26 Oct 89	JSS
	C) Function						26 Oct 89	JSS
660	Pack					15 Dec 89	JSS	

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

SERIAL NO. 66348871

DATE 13 MAR 90

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.49	2.42	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.52	2.75	
PULL #3	2.51	2.60	2.62	
PULL #4	2.46	2.49	2.52	
PULL #5	2.59	2.62	2.63	
TOTAL	12.49	12.65		
AVG.	2.498	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.26	3.31	
PULL #2	3.30	3.29	
PULL #3	3.25	3.25	
PULL #4	3.21	3.24	
PULL #5	3.26	3.21	
TOTAL	16.28	16.20	
AVG.	3.256	3.24	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.27		
PULL #2	4.13	4.24		
PULL #3	4.17	4.22		
PULL #4	4.20	4.25		
PULL #5	4.17	4.25		
TOTAL	20.72	21.28		
AVG.	4.144	4.256		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348871
2 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.791609
1 TO	2	.52835
1 TO	3	.84226
1 TO	4	.764924
1 TO	5	.745077

42 42 <----POB
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5534
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.002
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .553404

THE AMR FOR THIS RIFLE IS: 1.173

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348871

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 2.352

VS= 2.512

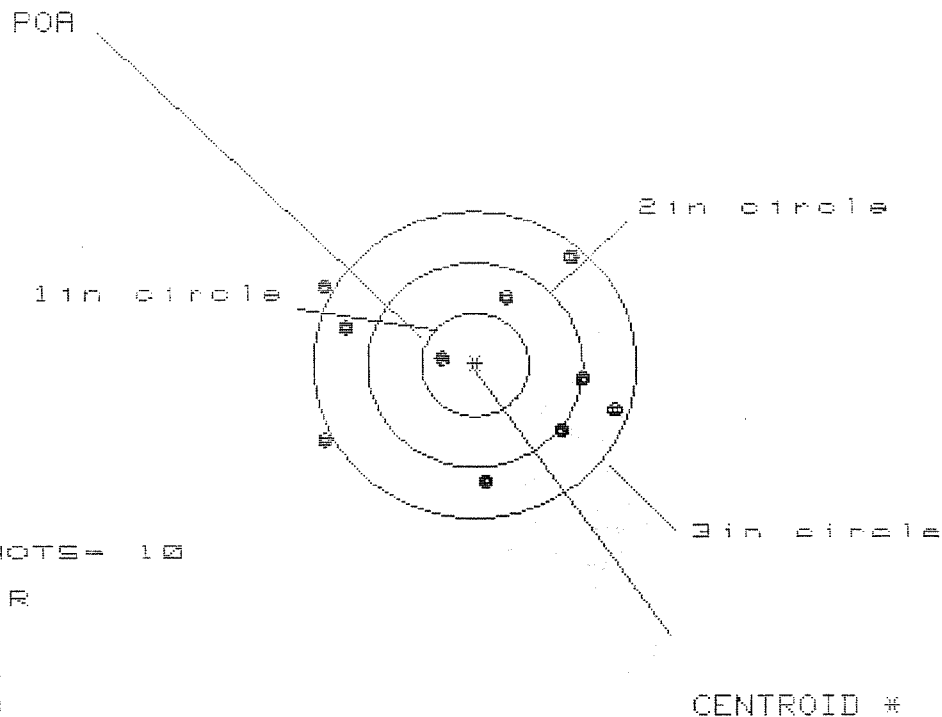
GS= 3.563

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.029	1.968	1.218
MINIMUM X	:	-1.333	-1.108	-0.852
MAXIMUM Y	:	1.496	1.383	1.291
MINIMUM Y	:	-1.016	-0.956	-1.048
CENTROID X	:	.631	.406	.160
CENTROID Y	:	-.478	-.365	-.273
POA TO CENTROID in.	:	.792	.546	.317
MIN RADIUS	:	.621	.379	.141
MEAN RADIUS	:	1.279	1.120	.944
MAX RADIUS	:	2.269	2.101	1.301
HORIZONTAL SPREAD	:	3.362	3.076	2.080
VERTICAL SPREAD	:	2.512	2.339	2.339
EXTREME SPREAD	:	3.563	3.175	2.401
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8346871

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.751

VS= 2.203

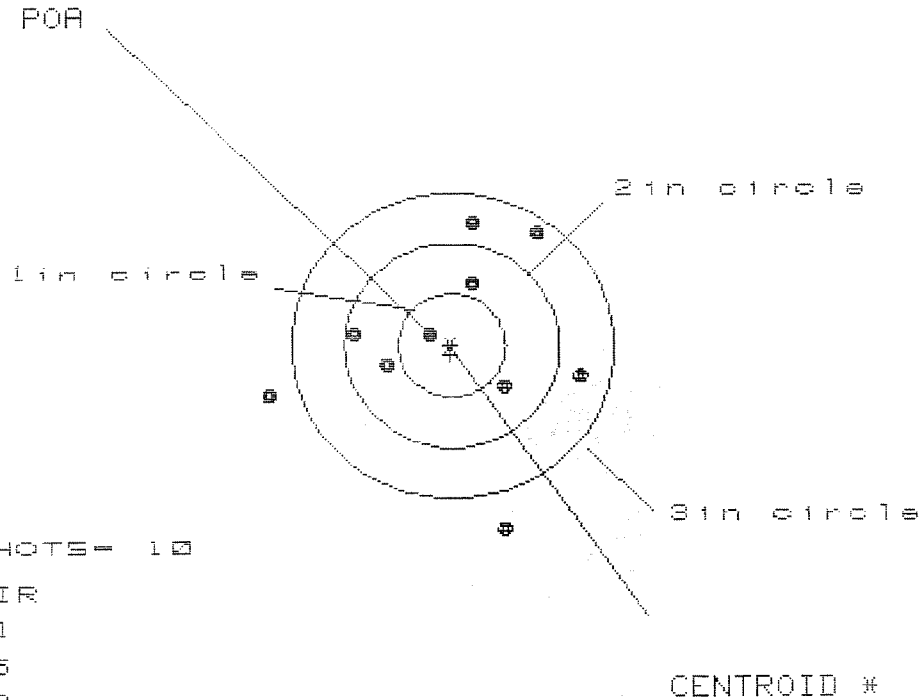
GS= 2.988

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.300	1.139	.938
MINIMUM X	-1.451	-1.608	-1.545
MAXIMUM Y	1.112	1.194	1.111
MINIMUM Y	-1.091	-1.009	-1.092
CENTROID X	.304	.465	.666
CENTROID Y	-.063	-.145	-.062
POA TO CENTROID in.	.311	.487	.669
MIN RADIUS	.323	.503	.679
MEAN RADIUS	1.150	1.082	.972
MAX RADIUS	1.629	1.741	1.594
HORIZONTAL SPREAD	2.751	2.747	2.483
VERTICAL SPREAD	2.203	2.203	2.203
EXTREME SPREAD	2.988	2.986	2.613
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B871

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.879

VS= 2.926

GS= 2.946

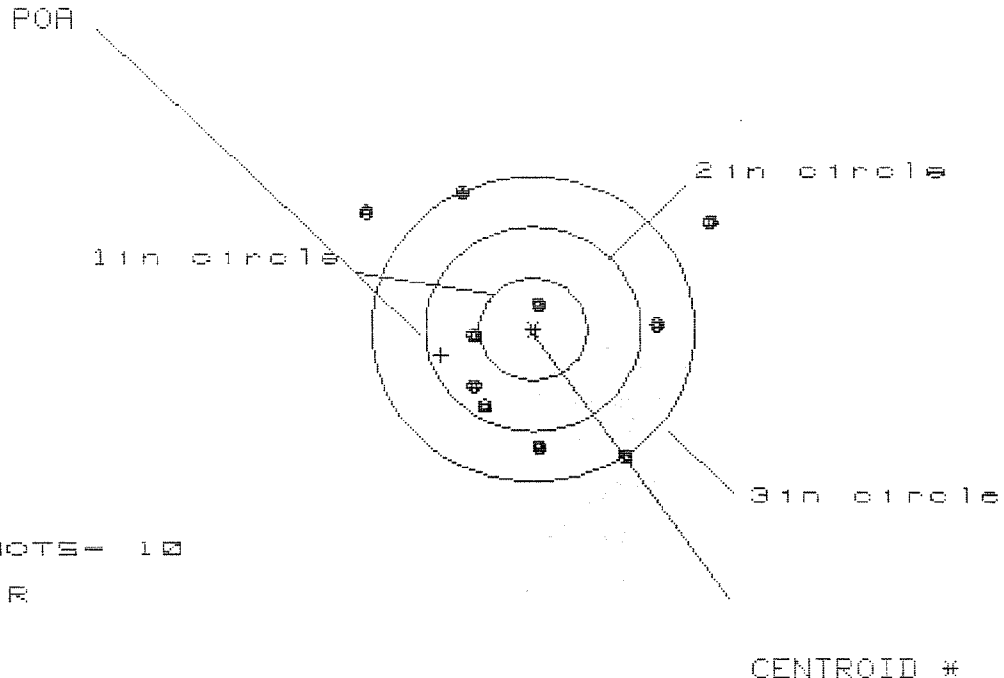
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.192	1.251	1.047
MINIMUM X	-1.687	-1.628	-1.009
MAXIMUM Y	1.175	.980	.895
MINIMUM Y	-1.751	-.680	-.680
CENTROID X	.010	-.049	.155
CENTROID Y	.091	.286	.370
POA TO CENTROID in.	.092	.290	.402
MIN RADIUS	.249	.209	.379
MEAN RADIUS	1.037	.925	.821
MAX RADIUS	1.829	1.764	1.199
HORIZONTAL SPREAD	2.879	2.764	2.056
VERTICAL SPREAD	2.926	1.660	1.556
EXTREME SPREAD	2.946	2.935	2.094
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348871

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 3.265

VS= 2.657

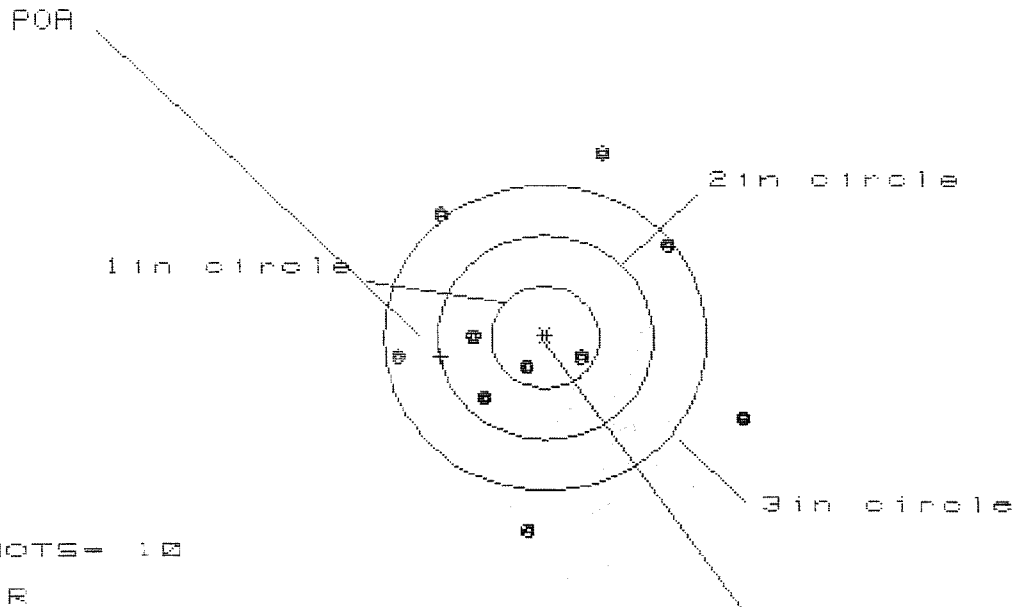
GS= 3.445

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.684	1.509	1.130
MINIMUM X	:	-1.581	-.782	-.594
MAXIMUM Y	:	1.382	1.512	1.653
MINIMUM Y	:	-1.275	-1.145	-1.004
CENTROID X	:	.853	1.028	.840
CENTROID Y	:	.254	.124	-.017
POA TO CENTROID in.	:	.890	1.036	.840
MIN RADIUS	:	.228	.387	.499
MEAN RADIUS	:	1.171	1.086	.938
MAX RADIUS	:	1.964	1.884	1.756
HORIZONTAL SPREAD	:	3.265	2.291	1.723
VERTICAL SPREAD	:	2.657	2.657	2.657
EXTREME SPREAD	:	3.445	3.030	3.030
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

2 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B871

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 3.147

VS= 3.678

GS= 3.744

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.825	1.327	1.337
MINIMUM X	-1.322	-1.119	-1.109
MAXIMUM Y	1.775	1.683	1.433
MINIMUM Y	-1.903	-1.995	-1.883
CENTROID X	.969	.766	.756
CENTROID Y	.186	.278	.528
POA TO CENTROID in.	.986	.815	.922
MIN RADIUS	.340	.389	.505
MEAN RADIUS	1.227	1.121	1.045
MAX RADIUS	2.005	1.997	1.635
HORIZONTAL SPREAD	3.147	2.446	2.446
VERTICAL SPREAD	3.678	3.678	2.316
EXTREME SPREAD	3.744	3.744	2.715
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		