

C6225176

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ H24

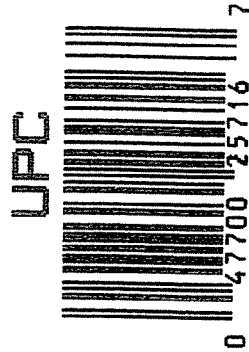
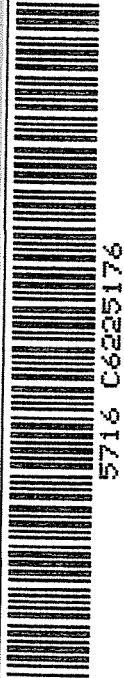
DUPONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
C6225176

ORDER NO.
5716

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



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: **RE00087053** Serial: C6225176 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 8:28:21 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON**

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

FFL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Condition: **Good**

Notes:

CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
C000	F AND R SGT BASES	2

Repair Search **Refresh** **Close**

10/27/2004 10:18 AM CAPS NUM INS SCPL

start 3 3 2

Serial Number: **C6225176**

Model: **M24 SWS**



RE00087053

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225176.__0
FILE DATE AND TIME: 11/19/2004 21:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.042
The Average Y Centroid of the Five Target Set:	-0.080
The Average Point of Impact of the Five Target Set:	0.090
The Average Mean Radius of the Five Target Set:	0.690
The Distance from POA to Centroid Target #1:	0.085
The Distance from Centroid Target #2 to Centroid Target #1:	0.073
The Distance from Centroid Target #3 to Centroid Target #1:	0.136
The Distance from Centroid Target #4 to Centroid Target #1:	0.072
The Distance from Centroid Target #5 to Centroid Target #1:	0.124

SERIAL NUMBER: C6225176. __0

TARGET NUMBER: 1

FILE DATE: 11/19/2004

FILE TIME: 21:44

POINT#	X	Y
1:	0.699	-0.819
2:	0.483	-0.404
3:	-0.019	-1.330
4:	-0.046	-0.856
5:	-1.171	-0.343
6:	-0.098	-0.177
7:	0.330	0.668
8:	-0.067	0.662
9:	0.264	1.085
10:	0.073	0.791

X CENTROID: 0.045

Y CENTROID: -0.072

POA TO CENTROID: 0.085

HORZ SPREAD: 1.870

VERT SPREAD: 2.415

GROUP SPREAD: 2.432

MIN RADIUS: 0.177

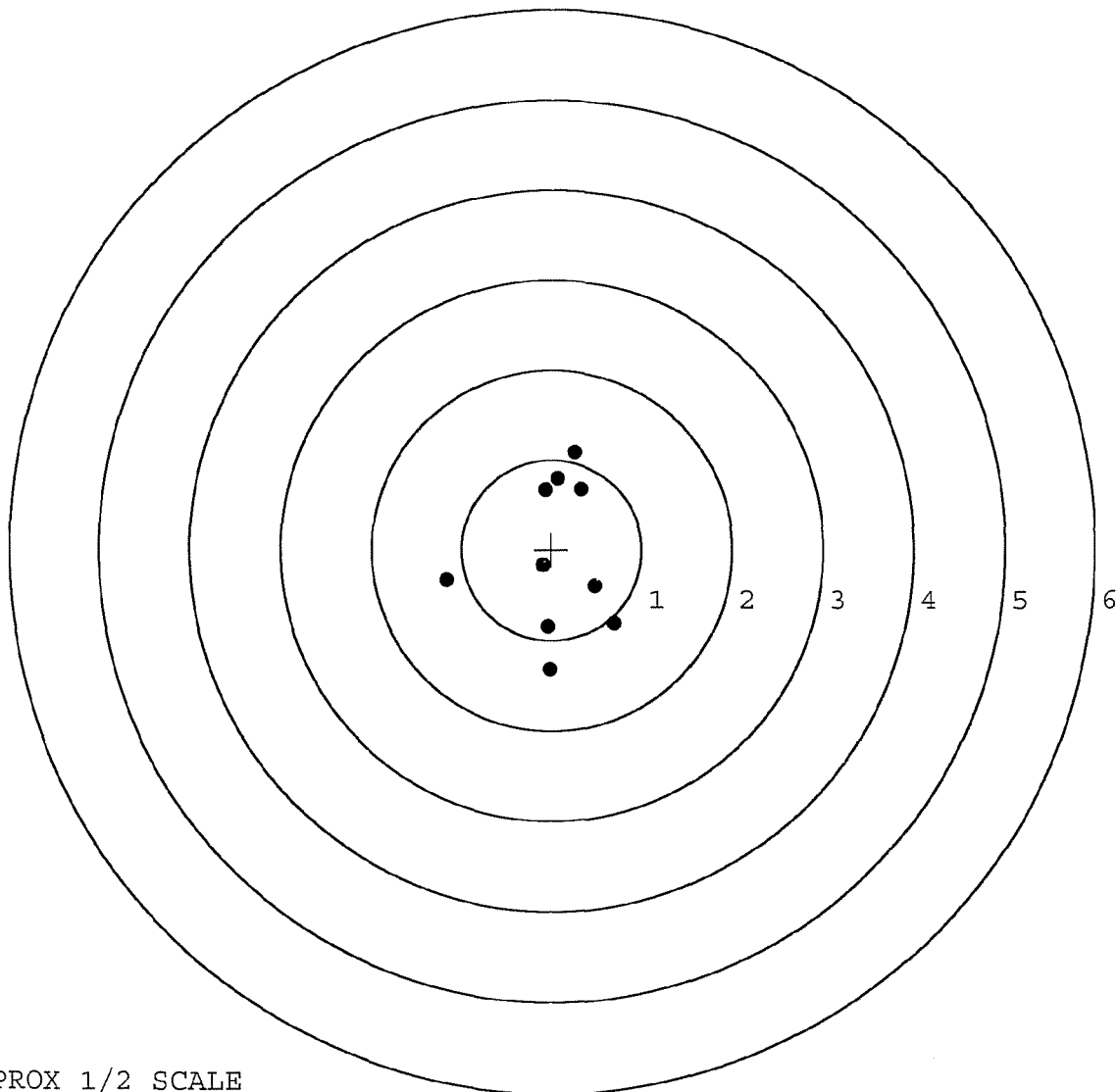
MAX RADIUS: 1.259

MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225176. 0

TARGET NUMBER: 2

FILE DATE: 11/19/2004

FILE TIME: 21:44

X CENTROID: -0.025

Y CENTROID: -0.049

POA TO CENTROID: 0.055

HORZ SPREAD: 1.328

VERT SPREAD: 2.024

GROUP SPREAD: 2.038

MIN RADIUS: 0.433

MAX RADIUS: 1.110

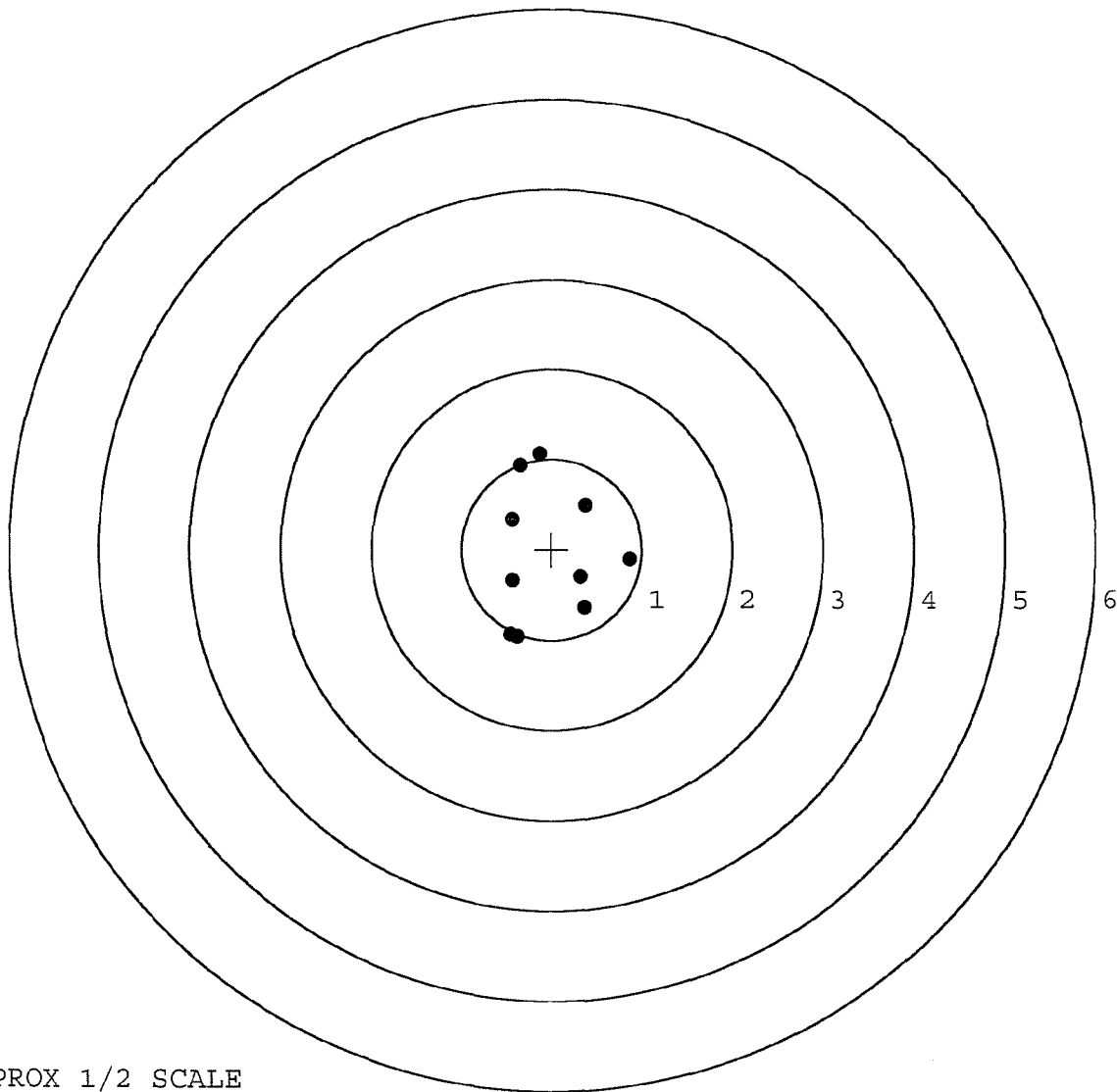
MEAN RADIUS: 0.790

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.873	-0.112
2:	0.373	-0.634
3:	0.325	-0.304
4:	0.375	0.490
5:	-0.134	1.055
6:	-0.347	0.932
7:	-0.444	0.329
8:	-0.438	-0.345
9:	-0.455	-0.935
10:	-0.376	-0.969



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225176. __0

TARGET NUMBER: 3

FILE DATE: 11/19/2004

FILE TIME: 21:44

X CENTROID: 0.152

Y CENTROID: 0.011

POA TO CENTROID: 0.152

HORZ SPREAD: 1.345

VERT SPREAD: 1.195

GROUP SPREAD: 1.680

MIN RADIUS: 0.181

MAX RADIUS: 0.903

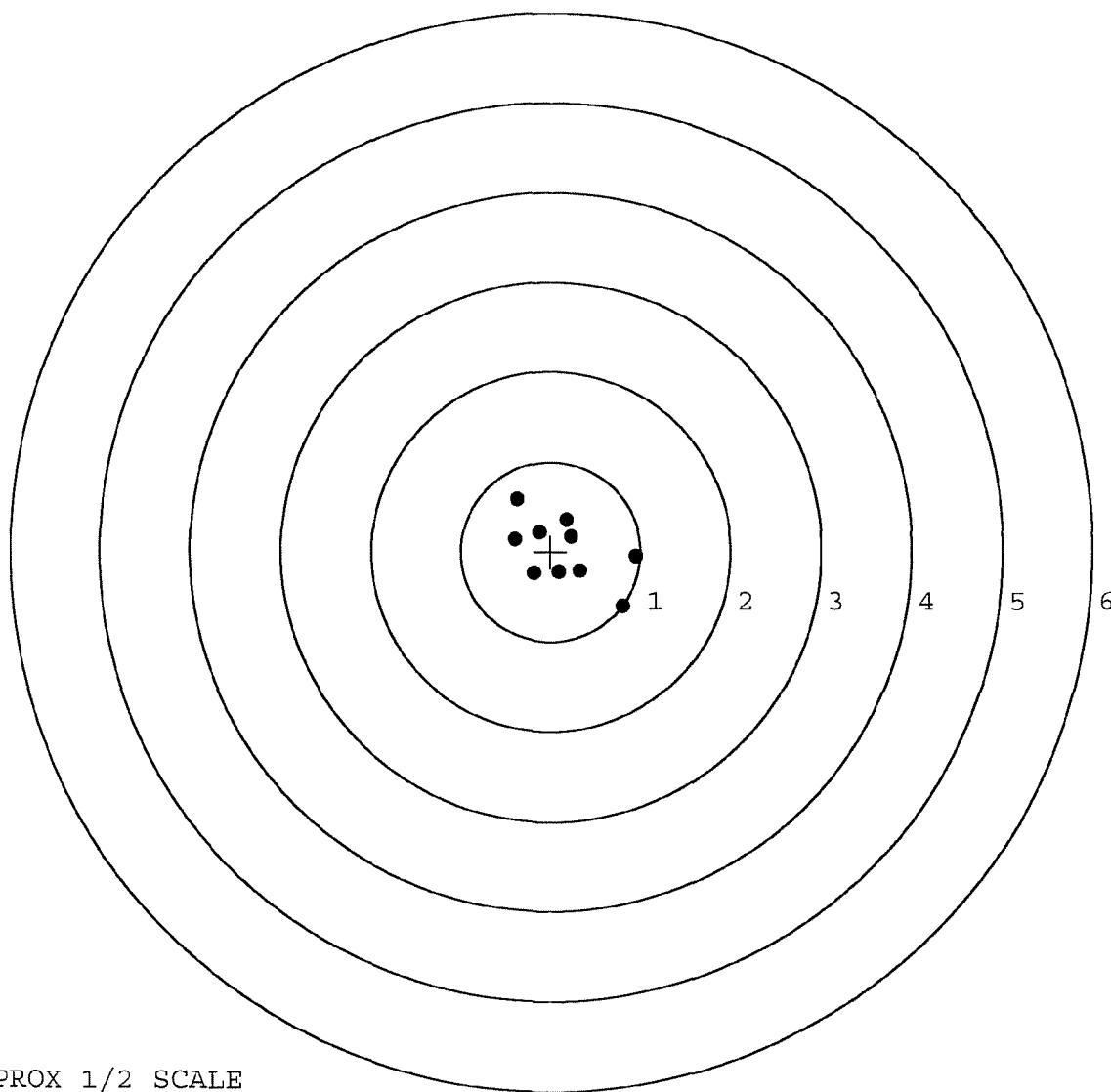
MEAN RADIUS: 0.488

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.947	-0.059
2:	0.806	-0.611
3:	-0.375	0.584
4:	-0.398	0.138
5:	-0.122	0.220
6:	0.178	0.360
7:	0.238	0.170
8:	0.330	-0.218
9:	-0.184	-0.242
10:	0.099	-0.232



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225176. 0

TARGET NUMBER: 4

FILE DATE: 11/19/2004

FILE TIME: 21:44

POINT#	X	Y
1:	1.031	-0.702
2:	-0.491	-0.638
3:	-0.407	-0.347
4:	-0.814	-0.306
5:	-0.812	0.139
6:	0.147	0.461
7:	0.124	0.321
8:	0.412	-0.021
9:	0.719	0.000
10:	0.921	-0.239

X CENTROID: 0.083

Y CENTROID: -0.133

POA TO CENTROID: 0.157

HORZ SPREAD: 1.845

VERT SPREAD: 1.163

GROUP SPREAD: 2.026

MIN RADIUS: 0.348

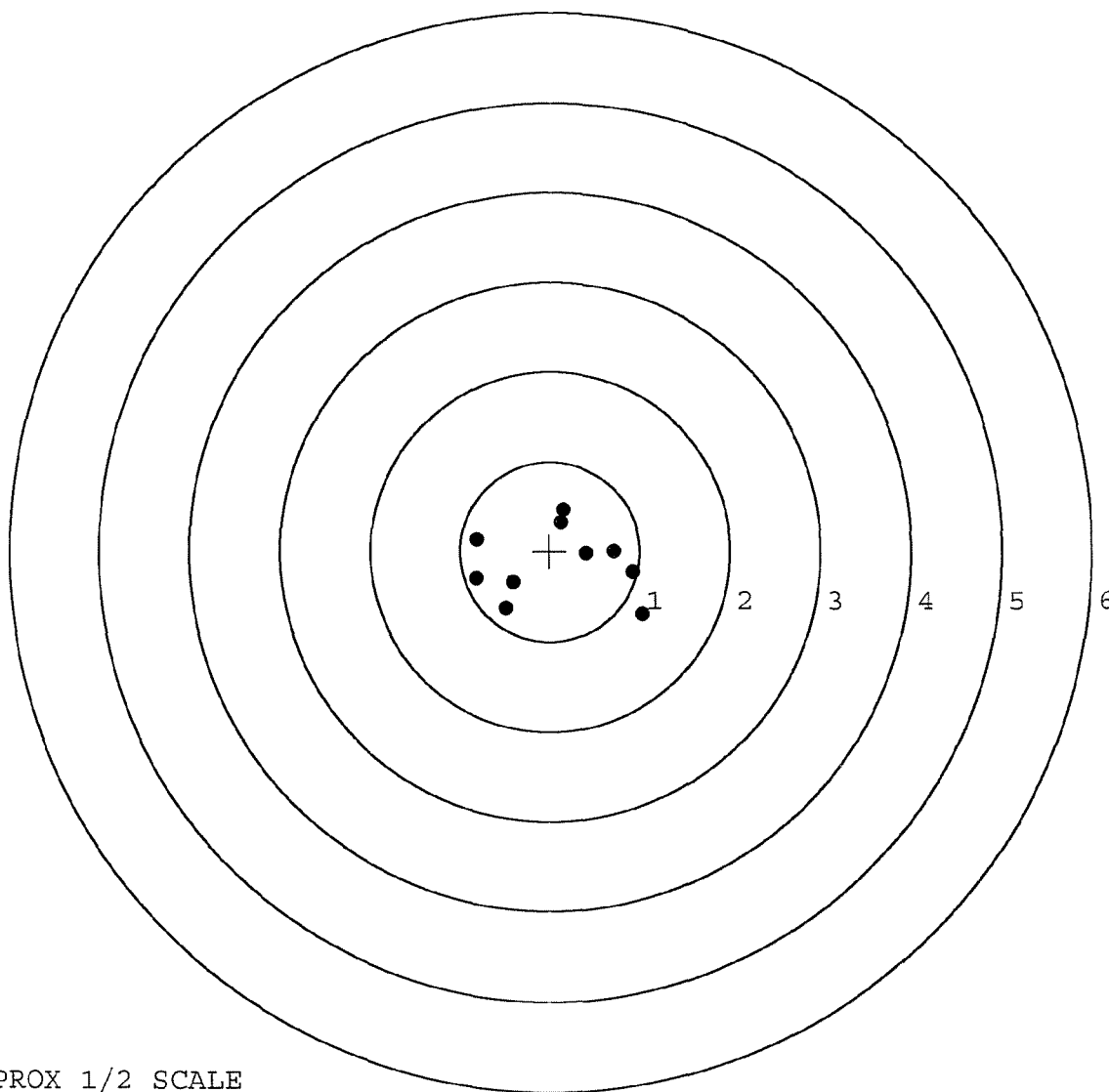
MAX RADIUS: 1.106

MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225176. 0

TARGET NUMBER: 5

FILE DATE: 11/19/2004

FILE TIME: 21:44

X CENTROID: -0.047

Y CENTROID: -0.157

POA TO CENTROID: 0.164

HORZ SPREAD: 1.391

VERT SPREAD: 1.589

GROUP SPREAD: 1.900

MIN RADIUS: 0.057

MAX RADIUS: 1.137

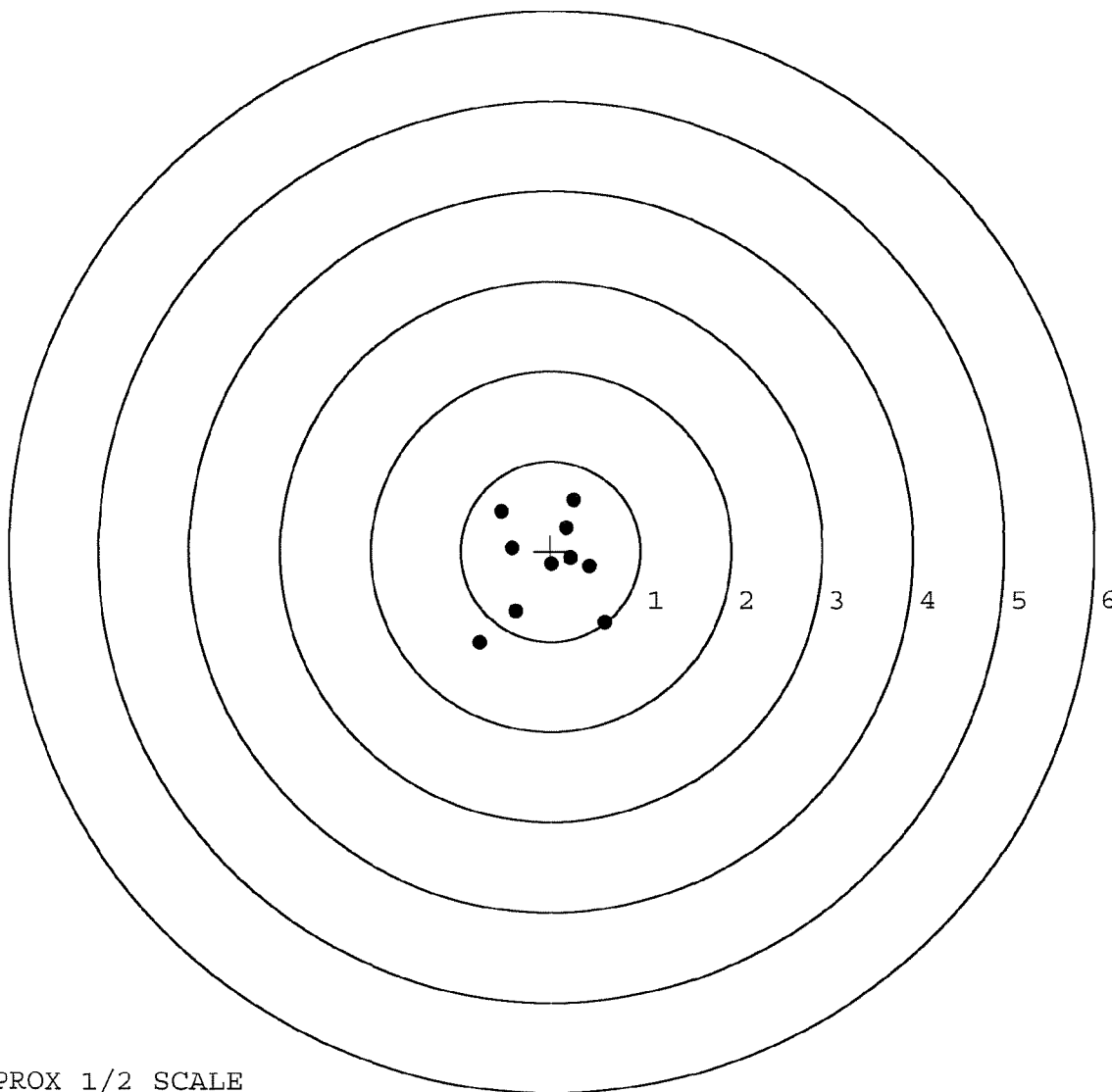
MEAN RADIUS: 0.597

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.604	-0.798
2:	-0.392	-0.669
3:	-0.787	-1.020
4:	-0.433	0.038
5:	-0.557	0.441
6:	0.254	0.569
7:	0.438	-0.168
8:	0.226	-0.080
9:	0.172	0.264
10:	0.009	-0.145



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	87053		
SERIAL NUMBER	C6225176		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	RTL
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11/5/04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-15-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-19-04	TRW
655	FINAL INSPECT	11-20-04	RTL
660	PACK	11-20-04	RA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225176

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action	QUALITY AUDIT	4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	GL
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel <i>RIB</i>	4 27	89	BT
620	Apply Coatings (Barrel Action)		5-2-89	ISA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/89	RW
	C) Inspect Ejector Hole for Chamfer		5/17/89	RW
	D) Oil Firing Pin Ass'y		5/17/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/89	WB

op. #	BARBER - M24 0010005 OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	5	5	5		5/24/89	JU
	G) Safety Off Force	4	4	4		5/24/89	JU
	H) Trigger Pull Test & Retainability					5/24/89	WB
	I) Firing Pin Indent	0.20.5	.020.5	.020		5/24/89	JU
	J) Assemble Stock					5/24/89	RW
	K) Assemble Swivel Studs					30 May 89	JS
	L) Attach Front and Rear Sight Assemblies					5/24/89	RW
	M) Iron Sight Alignment					5/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container					5/24/89	RW
	O) Attach Scope to Rifle					5/24/89	JU
	P) Detach & Attach Scope 20 Times					5/25/89	JU
640	Gallery Target & Test	64	R	87 L		5/26/89	DH
	A) Time					5/26/89	DH
	B) Malfunctions					5/26/89	DH
	C) Pierced Primers					5/26/89	DH
	D) Optical Clarity of Scope					5/26/89	DH
645	Inspect for Live Ammo					5/26/89	DH
655	Final Inspection						
	A) Headspace					30 May 89	JS
	B) Trigger Pull	243	274	276	269	274	30 May 89
	C) Function					30 May 89	JS
660	Pack					27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 5176DATE 23 Mar 40TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	248	228	257	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	240	221	261	
PULL #3	244	248	238	
PULL #4	244	242	255	
PULL #5	243	249	233	
TOTAL	1219	1188		
AVG.	2438	2376		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	340	336		
PULL #2	335	334		
PULL #3	336	338		
PULL #4	340	335		
PULL #5	331	338		
TOTAL	1682	1681		
AVG.	3364	3362		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	458	452		
PULL #2	449	409		
PULL #3	461	458		
PULL #4	454	444		
PULL #5	461	403		
TOTAL	2253	2166		
AVG.	4506	4332		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225176
1 Jun 1989

CENTROIDAL DISTANCES

0 TO	1	.158808
1 TO	2	.0781025
1 TO	3	.70185
1 TO	4	.377359
1 TO	5	.408001

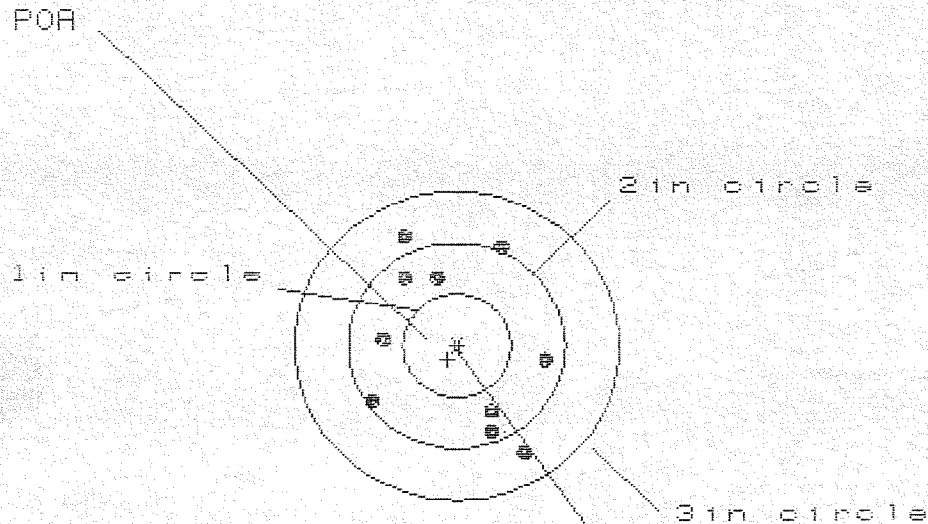
5
4
3
2
1
0
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0604
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0076
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0608763
THE AMR FOR THIS RIFLE IS: .8786

30 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225178

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS = 1.598

VS = 2.092

GS = 2.387

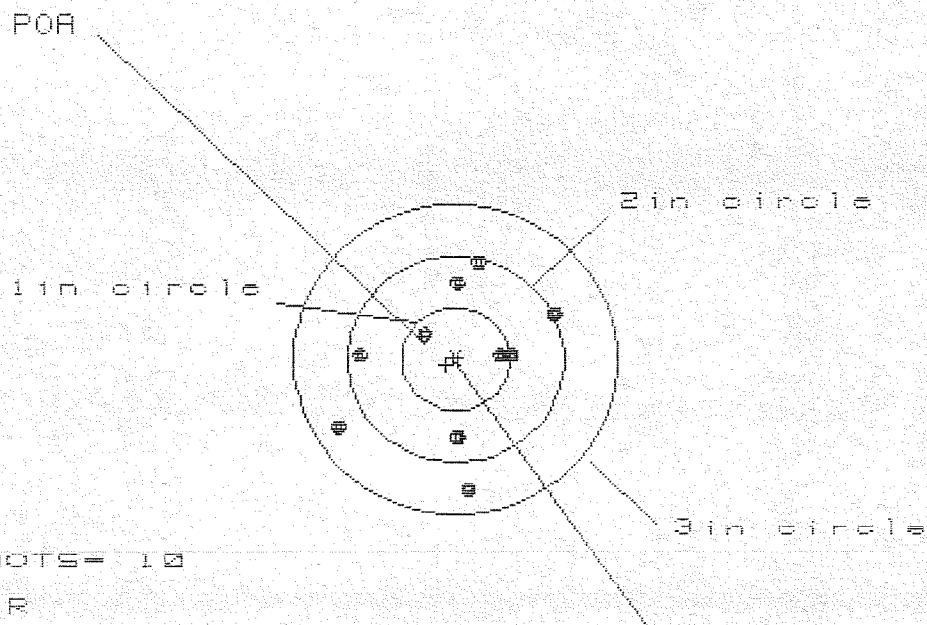
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.810	.884	.833
MINIMUM X	-.788	-.714	-.765
MAXIMUM Y	1.022	.903	.988
MINIMUM Y	-1.070	-.978	-.865
CENTROID X	.082	.008	.059
CENTROID Y	.136	.255	.143
POA TO CENTROID in.	.159	.255	.154
MIN RADIUS	.665	.548	.642
MEAN RADIUS	.897	.840	.821
MAX RADIUS	1.261	1.068	1.007
HORIZONTAL SPREAD	1.598	1.598	1.598
VERTICAL SPREAD	2.092	1.881	1.774
EXTREME SPREAD	2.387	2.060	1.919
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

30 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225176

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.946

VS= 2.142

CS= 2.236

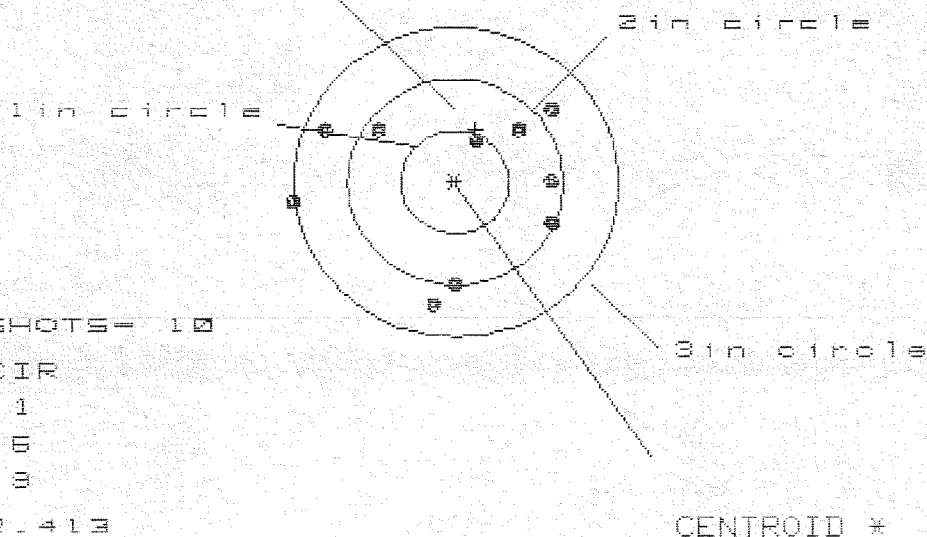
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.905	.775
MINIMUM X	:	-1.057	-1.041	-1.020
MAXIMUM Y	:	.910	.773	.678
MINIMUM Y	:	-1.232	-.875	-.970
CENTROID X	:	.086	.070	.200
CENTROID Y	:	.058	.195	.290
POA TO CENTROID in.	:	.104	.207	.353
MIN RADIUS	:	.339	.251	.355
MEAN RADIUS	:	.810	.742	.646
MAX RADIUS	:	1.240	1.292	1.031
HORIZONTAL SPREAD	:	1.946	1.946	1.735
VERTICAL SPREAD	:	2.142	1.648	1.648
EXTREME SPREAD	:	2.236	2.236	1.836
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225176

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS = 2.413

VS = 1.965

GS = 2.558

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.923
MINIMUM X	-1.490
MAXIMUM Y	.756
MINIMUM Y	-1.209
CENTROID X	-.190
CENTROID Y	-.511
POA TO CENTROID in.	.545
MIN RADIUS	.436
MEAN RADIUS	1.010
MAX RADIUS	1.504
HORIZONTAL SPREAD	2.413
VERTICAL SPREAD	1.965
EXTREME SPREAD	2.558
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

30 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225176

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 1.994

VS = 2.089

GS = 2.255

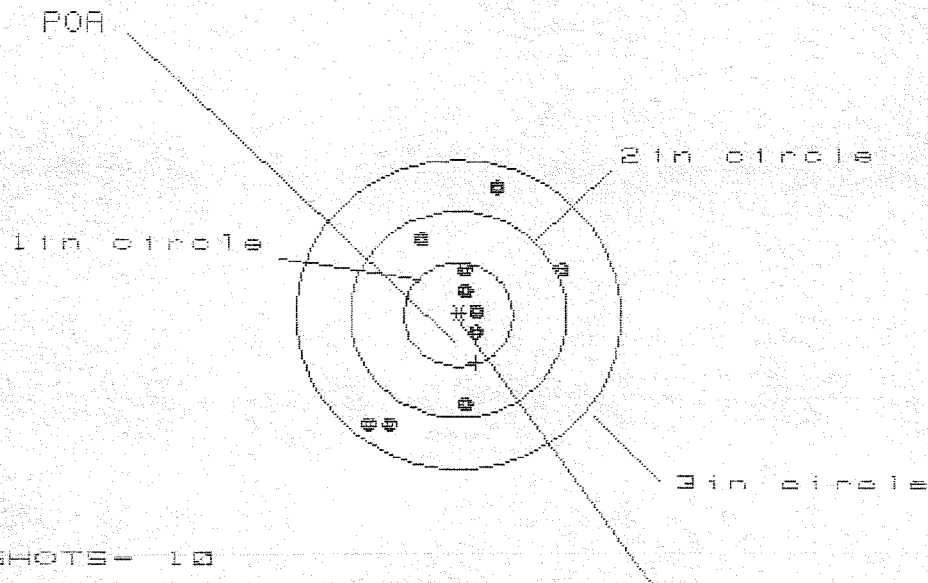
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.665	.518	.557
MINIMUM X	-1.329	-.795	-.731
MAXIMUM Y	1.035	1.047	.929
MINIMUM Y	-1.054	-1.042	-1.160
CENTROID X	-.118	.029	-.035
CENTROID Y	-.184	-.196	-.078
POA TO CENTROID in.	.219	.198	.086
MIN RADIUS	.497	.493	.495
MEAN RADIUS	.906	.843	.804
MAX RADIUS	1.333	1.071	1.173
HORIZONTAL SPREAD	1.994	1.313	1.288
VERTICAL SPREAD	2.089	2.089	2.089
EXTREME SPREAD	2.255	2.103	2.103
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

30 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/CS225176

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 1.802

VS= 2.317

CS= 2.610

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.918
MINIMUM X	-.884
MAXIMUM Y	1.252
MINIMUM Y	-1.065
CENTROID X	-.162
CENTROID Y	.463
POA TO CENTROID in.	.491
MIN RADIUS	.189
MEAN RADIUS	.770
MAX RADIUS	1.371
HORIZONTAL SPREAD	1.802
VERTICAL SPREAD	2.317
EXTREME SPREAD	2.610
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10