

C6594679

MODEL 700TM M24

Model **SAS**TM

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: RE00133013

Serial: C6594679 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/18/1991

Repairman:

Verify Repair

High Priority

Status:

Closed 8/22/2007 7:14:20 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK

PO Box:

BLDG 299 GILLESPIE AVE BECK

PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

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
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

8/22/2007

7:53 AM

CAPS

NUM

INS

SCRL

start

Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...

7:53 AM

Serial Number: C6594679

Model: M24 SWS



RE00133013

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594679.___0
FILE DATE AND TIME: 09/20/2007 22:57

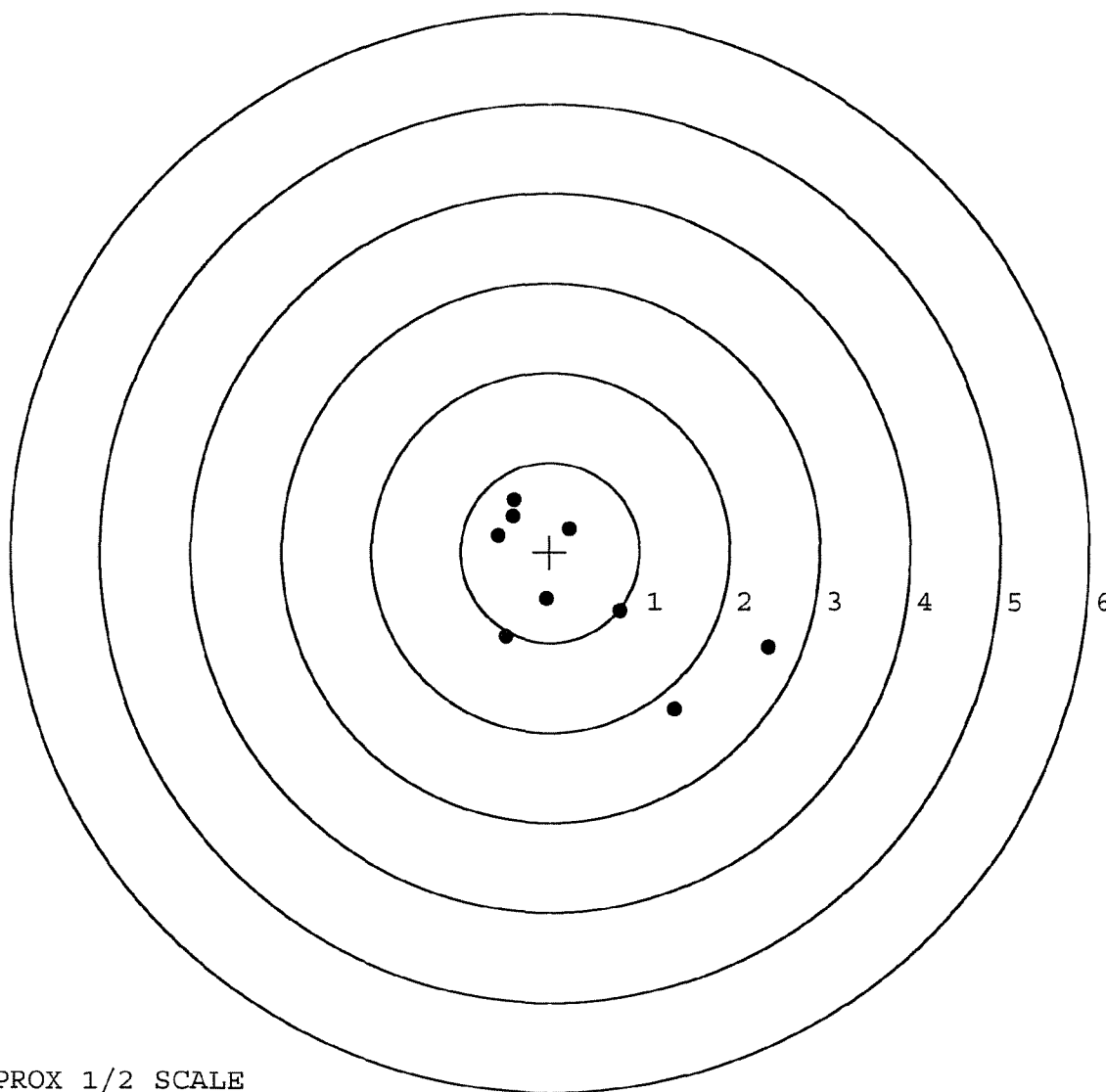
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.246
The Average Y Centroid of the Five Target Set:	-0.241
The Average Point of Impact of the Five Target Set:	0.344
The Average Mean Radius of the Five Target Set:	0.741
The Distance from POA to Centroid Target #1:	0.506
The Distance from Centroid Target #2 to Centroid Target #1:	0.362
The Distance from Centroid Target #3 to Centroid Target #1:	0.528
The Distance from Centroid Target #4 to Centroid Target #1:	0.396
The Distance from Centroid Target #5 to Centroid Target #1:	0.218

SERIAL NUMBER: C6594679. __0
TARGET NUMBER: 1
FILE DATE: 09/20/2007
FILE TIME: 22:57

X CENTROID: 0.320
Y CENTROID: -0.392
POA TO CENTROID: 0.506
HORZ SPREAD: 3.010
VERT SPREAD: 2.324
GROUP SPREAD: 3.265
MIN RADIUS: 0.385
MAX RADIUS: 2.208
MEAN RADIUS: 1.094
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.401	0.577
2:	-0.419	0.387
3:	-0.584	0.179
4:	0.217	0.257
5:	-0.041	-0.526
6:	0.786	-0.654
7:	-0.494	-0.941
8:	1.392	-1.747
9:	2.426	-1.056



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594679. __0

TARGET NUMBER: 2

FILE DATE: 09/20/2007

FILE TIME: 22:57

X CENTROID: -0.001

Y CENTROID: -0.224

POA TO CENTROID: 0.224

HORZ SPREAD: 1.536

VERT SPREAD: 1.675

GROUP SPREAD: 2.026

MIN RADIUS: 0.134

MAX RADIUS: 1.169

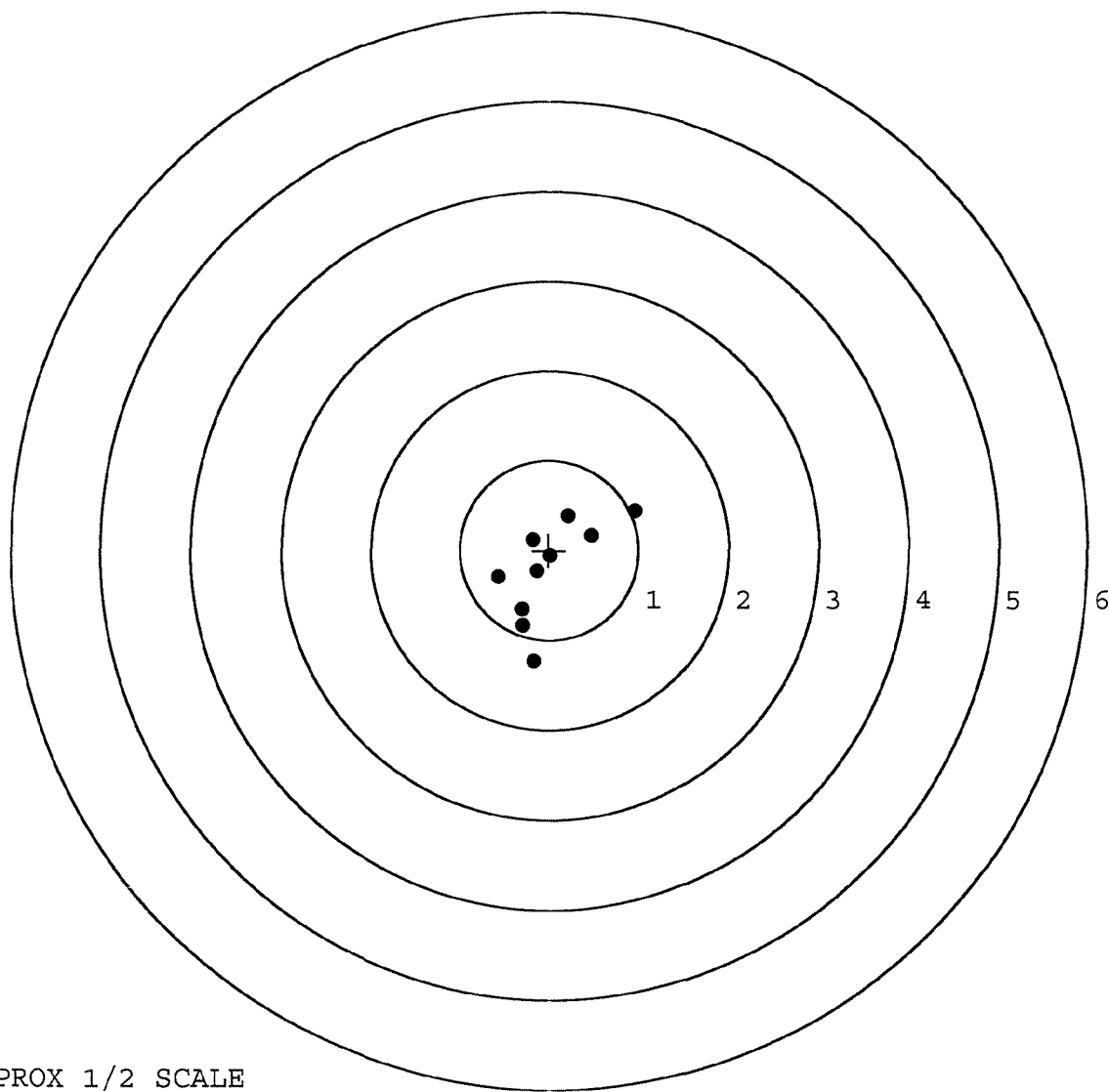
MEAN RADIUS: 0.593

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.208	0.385
2:	0.472	0.164
3:	0.965	0.435
4:	-0.134	-0.239
5:	0.016	-0.062
6:	-0.188	0.118
7:	-0.571	-0.302
8:	-0.301	-0.660
9:	-0.299	-0.842
10:	-0.175	-1.240



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594679. __0

TARGET NUMBER: 3

FILE DATE: 09/20/2007

FILE TIME: 22:57

POINT#	X	Y
1:	0.091	0.559
2:	0.415	0.068
3:	0.492	1.556
4:	0.500	-0.771
5:	0.158	-0.413
6:	0.063	-0.302
7:	-0.183	-0.172
8:	-0.303	0.077
9:	-0.429	-0.294
10:	-0.779	-0.006

X CENTROID: 0.003

Y CENTROID: 0.030

POA TO CENTROID: 0.030

HORZ SPREAD: 1.279

VERT SPREAD: 2.327

GROUP SPREAD: 2.327

MIN RADIUS: 0.274

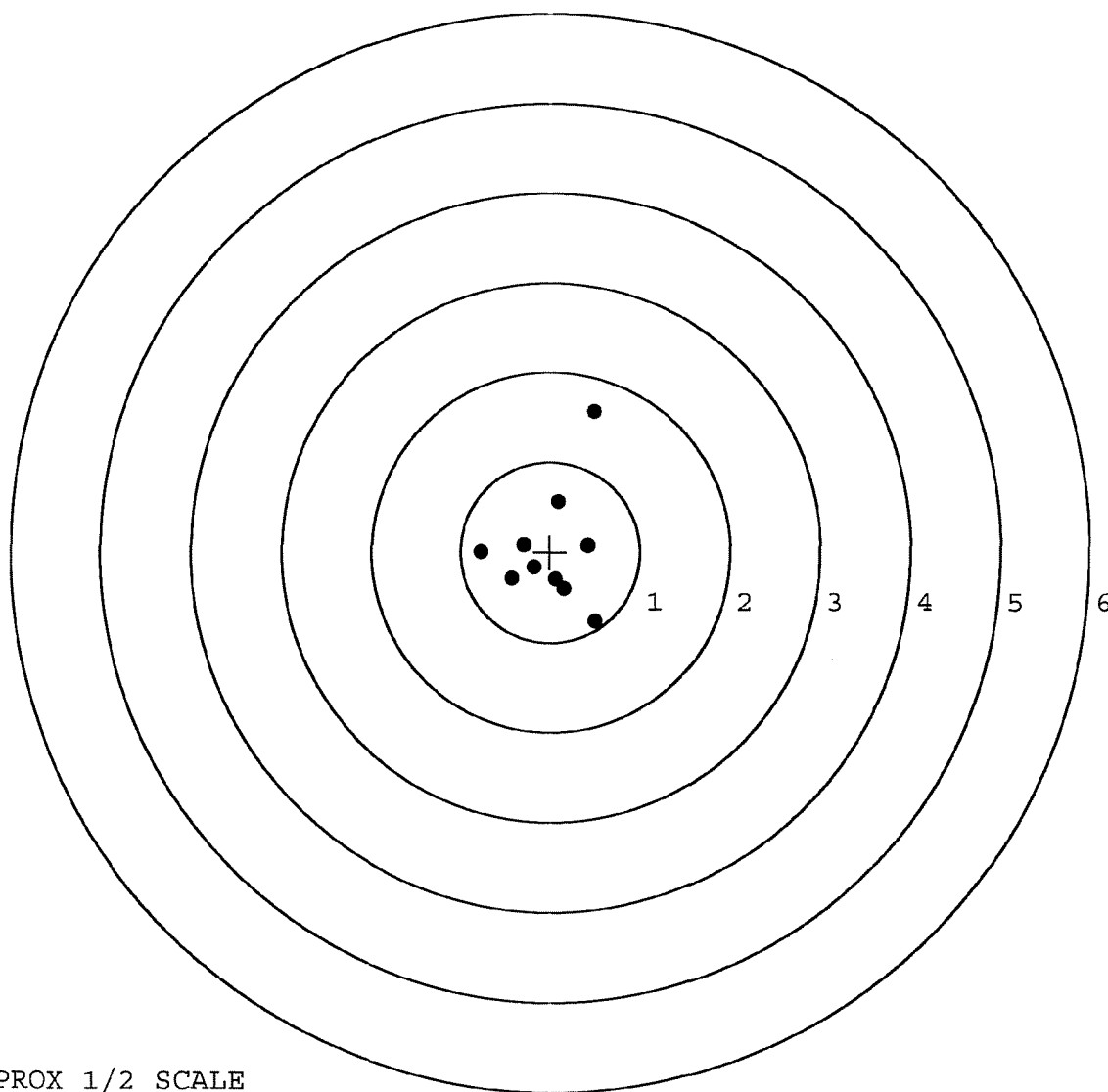
MAX RADIUS: 1.602

MEAN RADIUS: 0.621

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594679. __0

TARGET NUMBER: 4

FILE DATE: 09/20/2007

FILE TIME: 22:57

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

1:	0.517	-0.694
----	-------	--------

2:	0.451	0.051
----	-------	-------

3:	0.555	-0.220
----	-------	--------

4:	0.890	-0.294
----	-------	--------

5:	1.189	-0.566
----	-------	--------

6:	1.302	-0.927
----	-------	--------

7:	0.899	-1.410
----	-------	--------

8:	0.467	-0.239
----	-------	--------

9:	0.047	-0.195
----	-------	--------

10:	0.844	0.464
-----	-------	-------

X CENTROID: 0.716

Y CENTROID: -0.403

POA TO CENTROID: 0.822

HORZ SPREAD: 1.255

VERT SPREAD: 1.874

GROUP SPREAD: 1.875

MIN RADIUS: 0.205

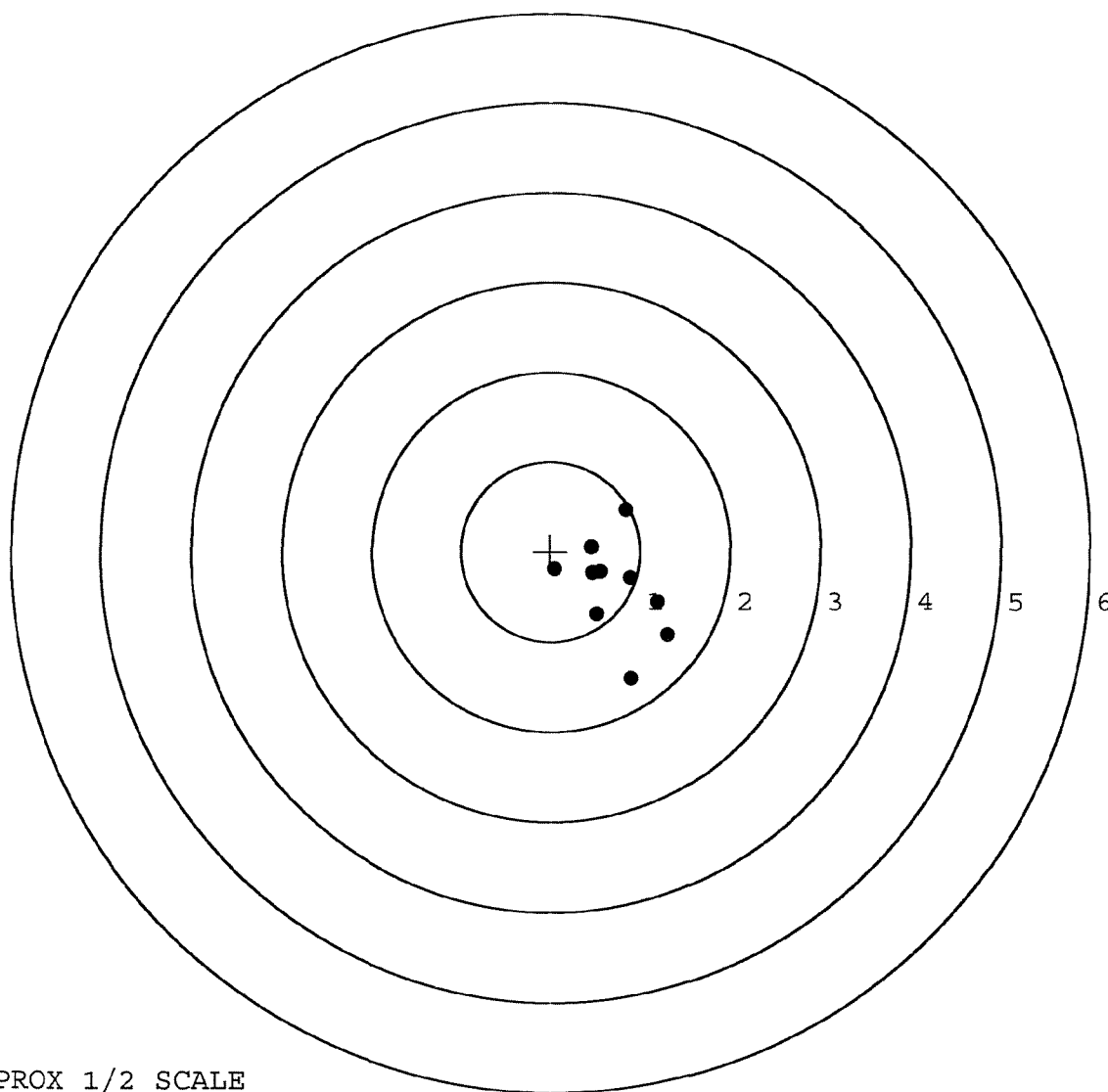
MAX RADIUS: 1.023

MEAN RADIUS: 0.551

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

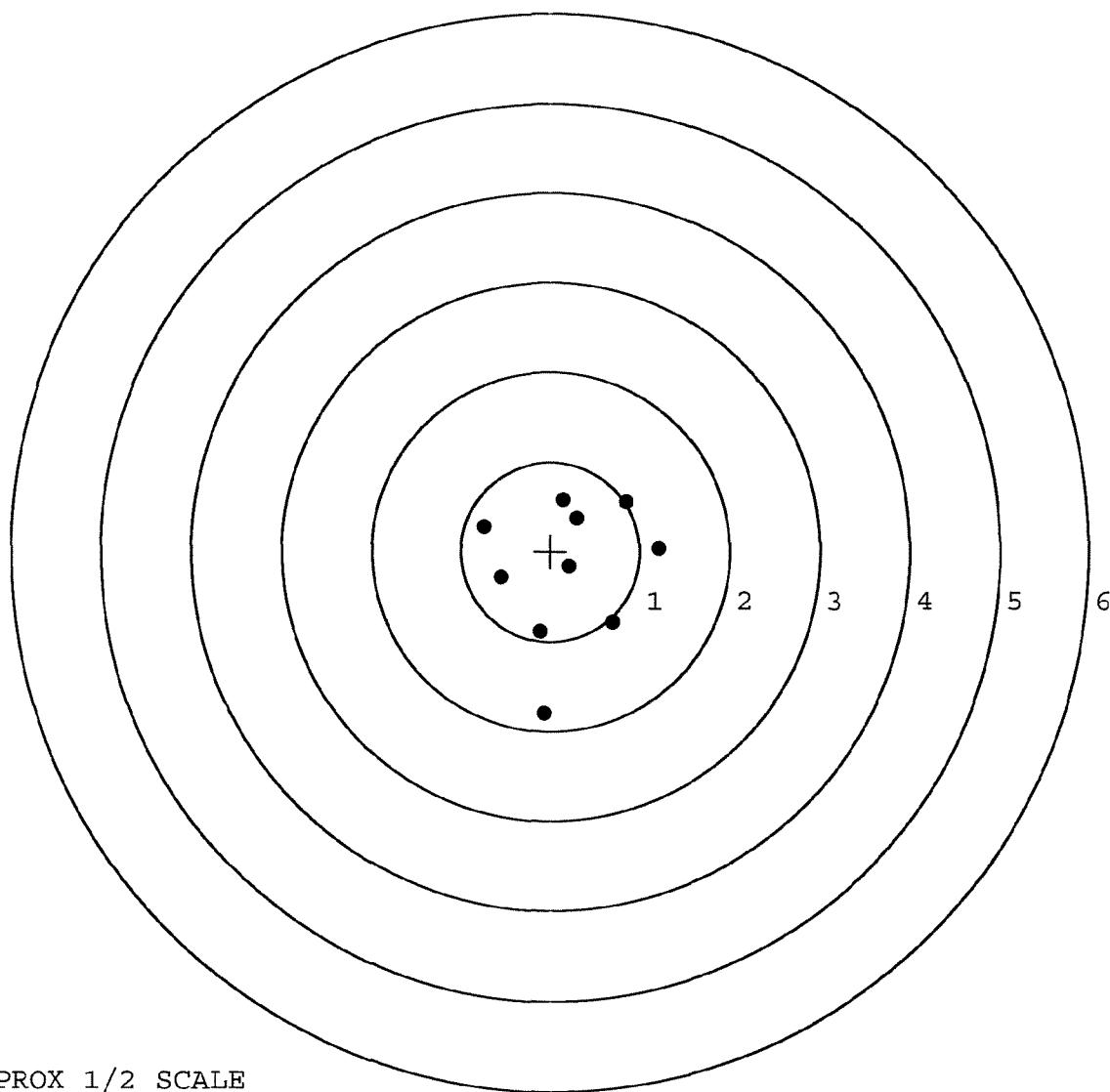


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594679. __0
TARGET NUMBER: 5
FILE DATE: 09/20/2007
FILE TIME: 22:57

POINT#	X	Y
1:	0.301	0.371
2:	0.852	0.556
3:	1.208	0.040
4:	0.699	-0.793
5:	-0.116	-0.895
6:	-0.559	-0.292
7:	-0.742	0.275
8:	0.151	0.578
9:	0.208	-0.171
10:	-0.075	-1.811

X CENTROID: 0.193
Y CENTROID: -0.214
POA TO CENTROID: 0.288
HORZ SPREAD: 1.950
VERT SPREAD: 2.389
GROUP SPREAD: 2.542
MIN RADIUS: 0.046
MAX RADIUS: 1.619
MEAN RADIUS: 0.844
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 133013
SERIAL NUMBER C6594679
LOG-IN DATE 8-22-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		9-10-07	RTZ
505	RE-BARREL		9-11-07	RTZ
560	ASSEMBLE		9-11-07	RTZ
600	PROOF		9-12-07	TRW
605	CHECK HEADSPACE	MAGNA-FLUX	9-12-07	TRW
610	DIS-ASSEMBLE GUN		9-12-07	RTZ
612	MAGNAFLUX		9-13-07	JB
510	DRILL AND TAP	OPERATOR JB	9-12-07	FM
615	ROLLMARK CALIBER		9-12-07	CW
618	ROTO-BLAST		9-13-07	JC
620	APPLY COATINGS		9/14/07	JB
625	FINAL ASSEMBLY		9-24-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	9/20/07	mm
650	TARGET	PASS FAIL	9/20/07	mm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	9-20-07	SD
670	FINAL INSPECTION		9/20/07	mm
	A) HEADSPACE	PASS FAIL	9/21/07	mm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.58 2.46 2.35 2.35 2.33 9-21-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4 4.5 4.5 9-21-07	DA
	G) SAFETY OFF FORCE	2 LBS	2.5 2.5 2.5 9-21-07	DA
	I) FIRING PIN INDENT	.020	.0225 .0225 .023 9-21-07	DA
690	PACK		9-24-07	DA

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

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

MODEL 700TM H24

SERIAL NO.
 C6594679

ORDER NO.
5716

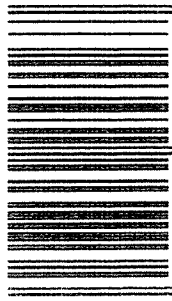
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6594679

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594679

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1/15/91	KS
600	Proof		1/15/91	KS
607	Check Headspace		1/15/91	KS
610	Dis-assemble Gun		1/15/91	KS
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt	1 18	91	KR
615	Rollmark Caliber	7 18	91	LS
617	Drill and Tap Sight Holes	1 24	91	FB
618	Polish Barrel	1 24	91	WB
620	Apply Coatings (Barrel Action)		2-15/91	HA
	Apply Coating (Bolt)			
625	Final Assembly		3/5/91	KJ
	A) Clean inside of Bolt Assembly		3/5/91	KJ
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/5/91	KJ
	C) Inspect Ejector Hole for Chamfer		3/5/91	KJ
	D) Oil Firing Pin Ass'y		3/5/91	KJ
	E) Adjust Trigger Pull to Min Setting and Stake		3/7/91	WB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	3/7/91	WB
	G) Safety Off Force	2	2	2	3/7/91	WB
	H) Trigger Pull Test & Retainability				3/7/91	WB
	I) Firing Pin Indent	.022	.022	.022	3/7/91	WB
	J) Assemble Stock				3/7/91	KH
	K) Assemble Swivel Studs				3-11-91	D/H
	L) Attach Front and Rear Sight Assemblies				3/7/91	KH
	M) Iron Sight Alignment				3/7/91	KH
	N) Detach Front & Rear Sights & place in numbered container				3/7/91	KH
	O) Attach Scope to Rifle				3/7/91	KH
	P) Detach & Attach Scope 20 Times				3/7/91	KH
640	Gallery Target & Test				3-8-91	AC
	A) Time				3-8-91	AC
	B) Malfunctions				3-8-91	AC
	C) Pierced Primers				3-8-91	AC
	D) Optical Clarity of Scope				3-8-91	AC
645	Inspect for Live Ammo				3-8-91	AC
655	Final Inspection					
	A) Headspace				3-11-91	D/H
	B) Trigger Pull	2.28	2.24	2.22	3-11-91	KH
	C) Function				3-11-91	DH
660	Pack				3-11-91	RF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594679
DATE 3/7/91
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.29	2.52	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.31	2.41	2.24	
PULL #3	2.49	2.40	2.23	2.22	
PULL #4	2.45	2.34	2.30	2.22	
PULL #5	2.53	2.46	2.50	2.24	
TOTAL	12.16	11.80	11.96		
AVG.	2.43	2.36	2.40		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.27		
PULL #2	3.34	3.27		
PULL #3	3.28	3.29		
PULL #4	3.39	3.25		
PULL #5	3.35	3.27		
TOTAL	16.64	16.35		
AVG.	3.33	3.27		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.22		4.54
PULL #2	4.25	4.31		4.35
PULL #3	4.04	4.24		4.33
PULL #4	4.24	4.29		4.39
PULL #5	4.13	4.17		4.09
TOTAL	20.89	21.23		21.70
AVG.	4.18	4.24		4.34

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # 06594679

8 Mar 1991

CENTROIDAL DISTANCES

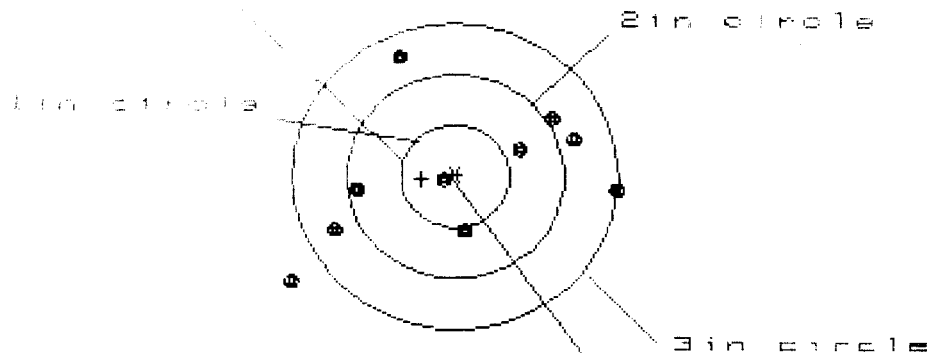
0 TO 1	.310358
1 TO 2	.472239
1 TO 3	.493585
1 TO 4	.374436
1 TO 5	.638161

9.1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0426
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2374
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .241192
THE AMR FOR THIS RIFLE IS: .984

TITLE: PATTERNING-CENTERFIRE_PATT/06594679

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

IS= 0.072

VS= 2.241

GS= 3.125

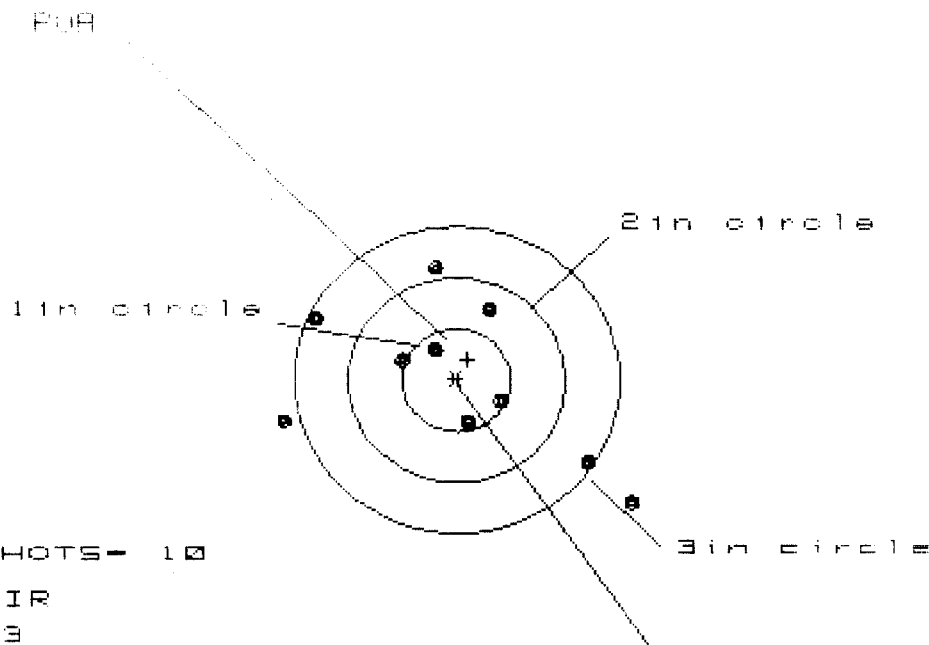
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.466	1.298	1.125
MINIMUM X	-1.513	-1.318	-1.156
MAXIMUM Y	1.195	1.078	1.051
MINIMUM Y	-1.046	-.658	-.685
CENTROID X	.309	.477	.315
CENTROID Y	.029	.146	.173
POA TO CENTROID IN.	.310	.499	.359
MIN RADIUS	.126	.330	.242
MEAN RADIUS	1.039	.942	.893
MAX RADIUS	1.840	1.448	1.315
HORIZONTAL SPREAD	2.979	2.616	2.281
VERTICAL SPREAD	2.241	1.736	1.736
EXTREME SPREAD	3.125	2.643	2.422
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

8-10-1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594679

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 3.162

VS= 2.284

GS= 3.389

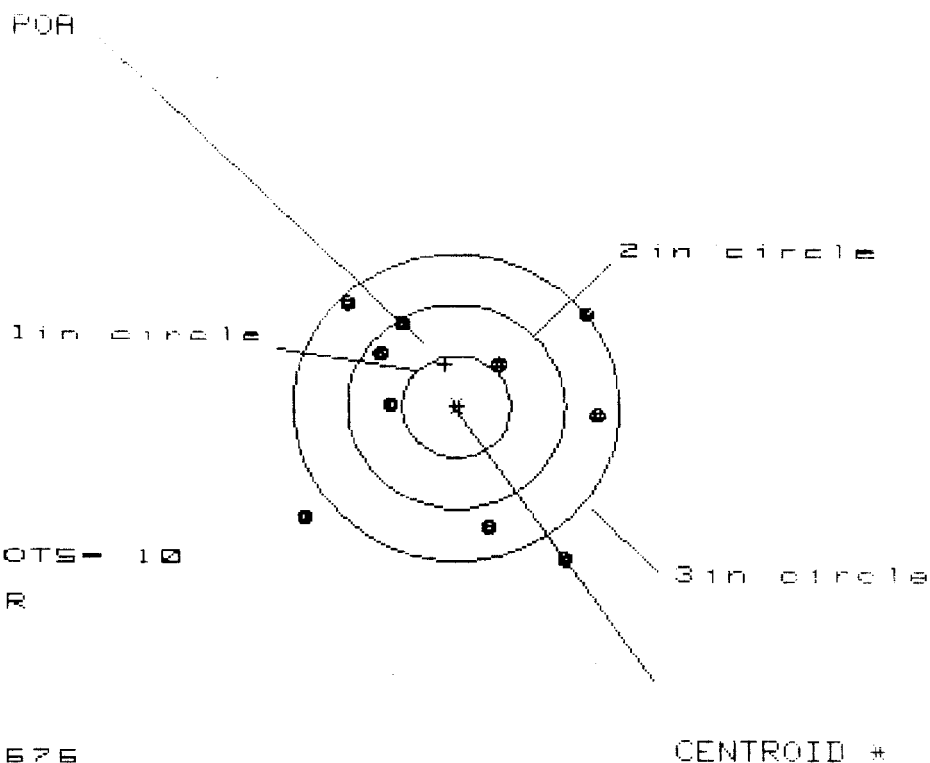
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.615	1.351	1.180
MINIMUM X	:	-1.547	-1.368	-1.244
MAXIMUM Y	:	1.080	.946	.878
MINIMUM Y	:	-1.204	-.893	-.961
CENTROID X	:	-.104	-.283	-.112
CENTROID Y	:	-.200	-.066	.002
POA TO CENTROID in.	:	.225	.291	.112
MIN RADIUS	:	.313	.143	.160
MEAN RADIUS	:	.992	.848	.758
MAX RADIUS	:	2.014	1.620	1.522
HORIZONTAL SPREAD	:	3.162	2.719	2.424
VERTICAL SPREAD	:	2.284	1.839	1.839
EXTREME SPREAD	:	3.389	2.780	2.780
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

6 MAR 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594679

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 2.676

VS= 2.565

GS= 3.291

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.364	1.200
MINIMUM X	:	-1.423	-1.312	-1.091
MAXIMUM Y	:	1.060	.892	.743
MINIMUM Y	:	-1.505	-1.314	-1.464
CENTROID X	:	.104	-.007	.156
CENTROID Y	:	-.420	-.252	-.102
POA TO CENTROID in.	:	.432	.253	.187
MIN RADIUS	:	.536	.486	.332
MEAN RADIUS	:	1.196	1.090	.988
MAX RADIUS	:	1.807	1.777	1.490
HORIZONTAL SPREAD	:	2.676	2.676	2.292
VERTICAL SPREAD	:	2.565	2.206	2.206
EXTREME SPREAD	:	3.291	3.291	2.598
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

8 Mar 1931

FILE:/PATTERNING/CENTERFIRE_PATT/08534679

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

HS= 2.449

VS= 2.534

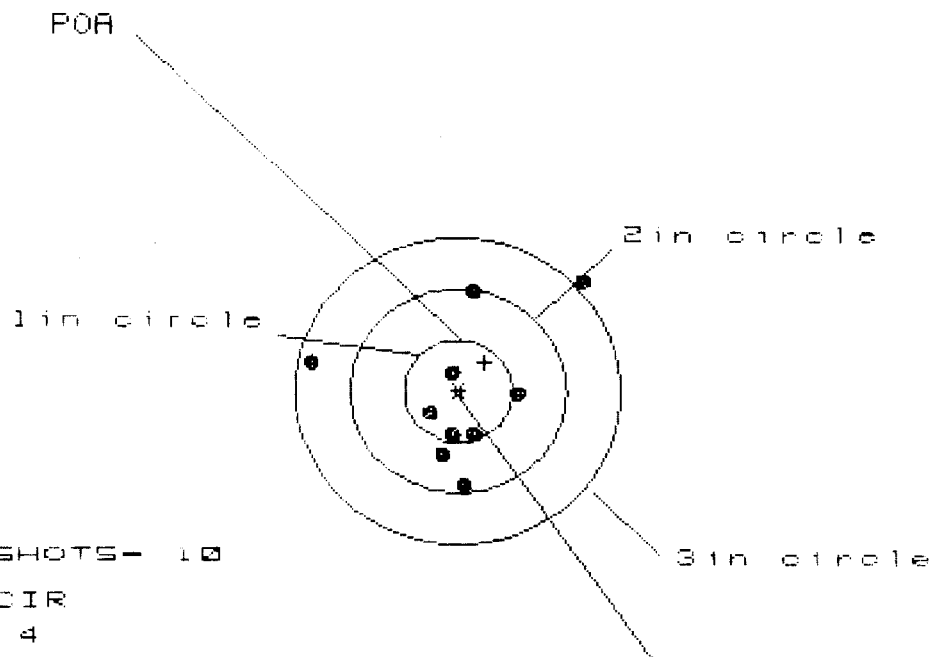
GS= 2.535

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.367	.590	.654
MINIMUM X	:	-1.082	-.930	-.866
MAXIMUM Y	:	1.268	1.288	1.133
MINIMUM Y	:	-1.266	-1.246	-.846
CENTROID X	:	.150	-.002	-.066
CENTROID Y	:	-.310	-.330	-.175
POA TO CENTROID in.	:	.345	.330	.186
MIN RADIUS	:	.452	.300	.274
MEAN RADIUS	:	.953	.892	.827
MAX RADIUS	:	1.379	1.355	1.232
HORIZONTAL SPREAD	:	2.449	1.520	1.520
VERTICAL SPREAD	:	2.534	2.534	1.979
EXTREME SPREAD	:	2.535	2.535	2.181
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1991

FILE: PATTERNING/CENTERFIRE_PATT/06594679

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.483

VS= 2.004

GS= 2.607

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	.678	.521
MINIMUM X	:	-1.377	-1.254	-.266
MAXIMUM Y	:	1.082	1.101	1.152
MINIMUM Y	:	-.922	-.802	-.751
CENTROID X	:	-.246	-.369	-.212
CENTROID Y	:	-.286	-.406	-.457
POA TO CENTROID in.	:	.377	.548	.504
MIN RADIUS	:	.227	.134	.259
MEAN RADIUS	:	.740	.616	.511
MAX RADIUS	:	1.547	1.319	1.153
HORIZONTAL SPREAD	:	2.483	1.932	.787
VERTICAL SPREAD	:	2.004	1.903	1.903
EXTREME SPREAD	:	2.607	1.960	1.903
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	