

06594621

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

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: **RE00096542** Serial: C6594621 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/20/1991 Repairman: Status: Closed 5/2/2005 12:43:45 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **SFC KARL PETERSEN** **SFC KARL PETERSEN**

Address 1: **A1 109TH IN M** **A1 109TH IN M**

Address 2: **BLDG 2490 25TH ST** **BLDG 2490 25TH ST** PG Box: PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **601 558 4385** Fax: **601 558 4387** Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	2
A017	Scope Base	1
A042	Adjustable Butt Pad	1
A057	Fit and Rear Sgt Base	2

Repair Search Refresh Close

neglet 5/5/2005 7:55 AM CAPS NUM INS SCPL

start

FTE W9195X5104-001

AUC W9195X5104-002

Serial Number: **C6594621**

Model: **M24 SWS**



RE00096542

2.50 LBS (plus or minus 0.50 LBS)

DATE 5-4-05

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS	COMMENTS
PULL #1	2.18	2.68	2.26	
PULL #2	2.24	2.60	2.36	
PULL #3	2.40	2.63	2.42	
PULL #4	2.35	2.72	2.55	
PULL #5	2.41	2.69	2.35	
TOTAL	11.58	13.32	11.94	
AVERAGE	2.31	2.66	2.38	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.17	3.13	
PULL #2	3.05	3.17	
PULL #3	3.25	3.16	
PULL #4	3.13	3.06	
PULL #5	3.22	3.10	
TOTAL	15.82	15.62	
AVERAGE	3.16	3.12	

	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	4.15	4.11		4.01
PULL #2	4.19	4.07		4.04
PULL #3	4.16	4.11		4.16
PULL #4	4.41	4.16		4.00
PULL #5	4.25	4.18		3.98
TOTAL	21.16	20.63		20.19
AVERAGE	4.23	4.12		4.03

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594621.___0

FILE DATE AND TIME: 05/24/2005 07:57

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.103
The Average Y Centroid of the Five Target Set:	0.003
The Average Point of Impact of the Five Target Set:	0.103
The Average Mean Radius of the Five Target Set:	0.871
The Distance from POA to Centroid Target #1:	0.207
The Distance from Centroid Target #2 to Centroid Target #1:	0.282
The Distance from Centroid Target #3 to Centroid Target #1:	0.366
The Distance from Centroid Target #4 to Centroid Target #1:	0.260
The Distance from Centroid Target #5 to Centroid Target #1:	0.089

SERIAL NUMBER: C6594621. __0

TARGET NUMBER: 1

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: 0.200

Y CENTROID: -0.053

POA TO CENTROID: 0.207

HORZ SPREAD: 2.620

VERT SPREAD: 3.232

GROUP SPREAD: 3.367

MIN RADIUS: 0.155

MAX RADIUS: 2.059

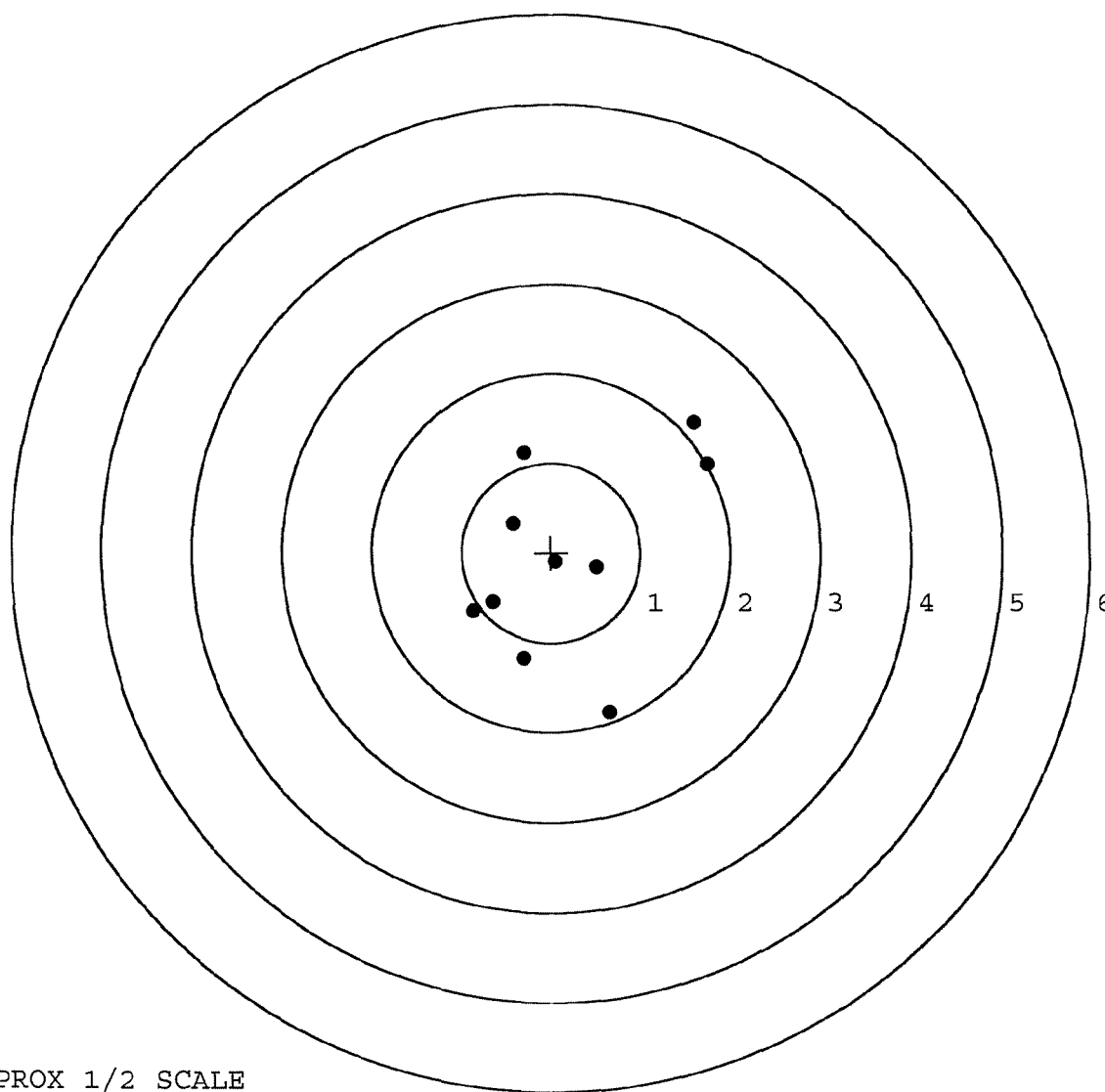
MEAN RADIUS: 1.165

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.655	-1.775
2:	-0.310	-1.179
3:	-0.868	-0.650
4:	-0.656	-0.551
5:	0.511	-0.166
6:	0.052	-0.100
7:	-0.430	0.325
8:	-0.305	1.116
9:	1.752	0.992
10:	1.599	1.457



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. __0

TARGET NUMBER: 2

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: -0.072

Y CENTROID: 0.018

POA TO CENTROID: 0.075

HORZ SPREAD: 1.370

VERT SPREAD: 1.757

GROUP SPREAD: 2.137

MIN RADIUS: 0.212

MAX RADIUS: 1.319

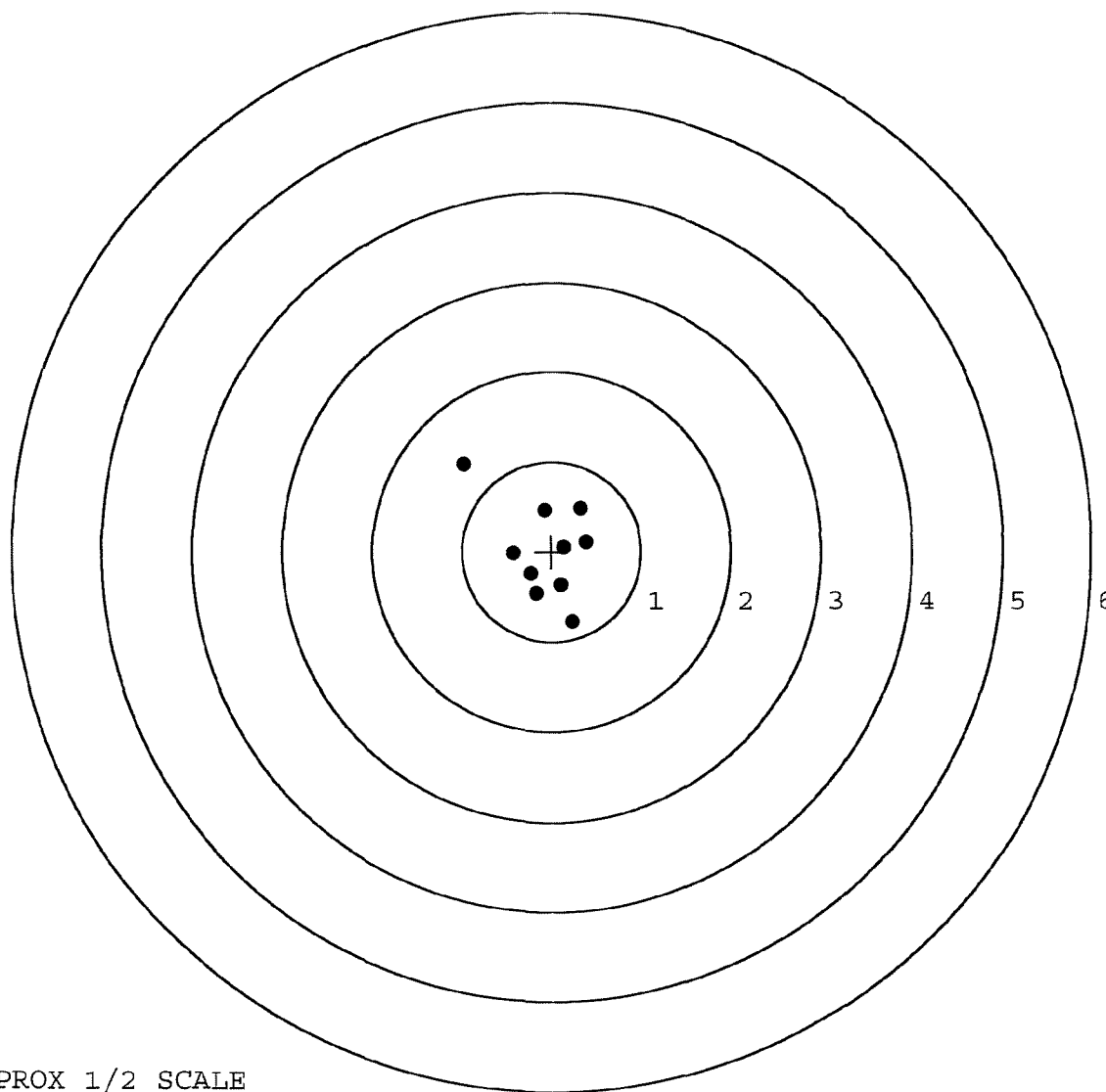
MEAN RADIUS: 0.552

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.983	0.972
2:	0.322	0.482
3:	0.387	0.112
4:	0.137	0.053
5:	-0.083	0.465
6:	-0.427	-0.022
7:	-0.234	-0.252
8:	0.102	-0.378
9:	0.233	-0.785
10:	-0.179	-0.469

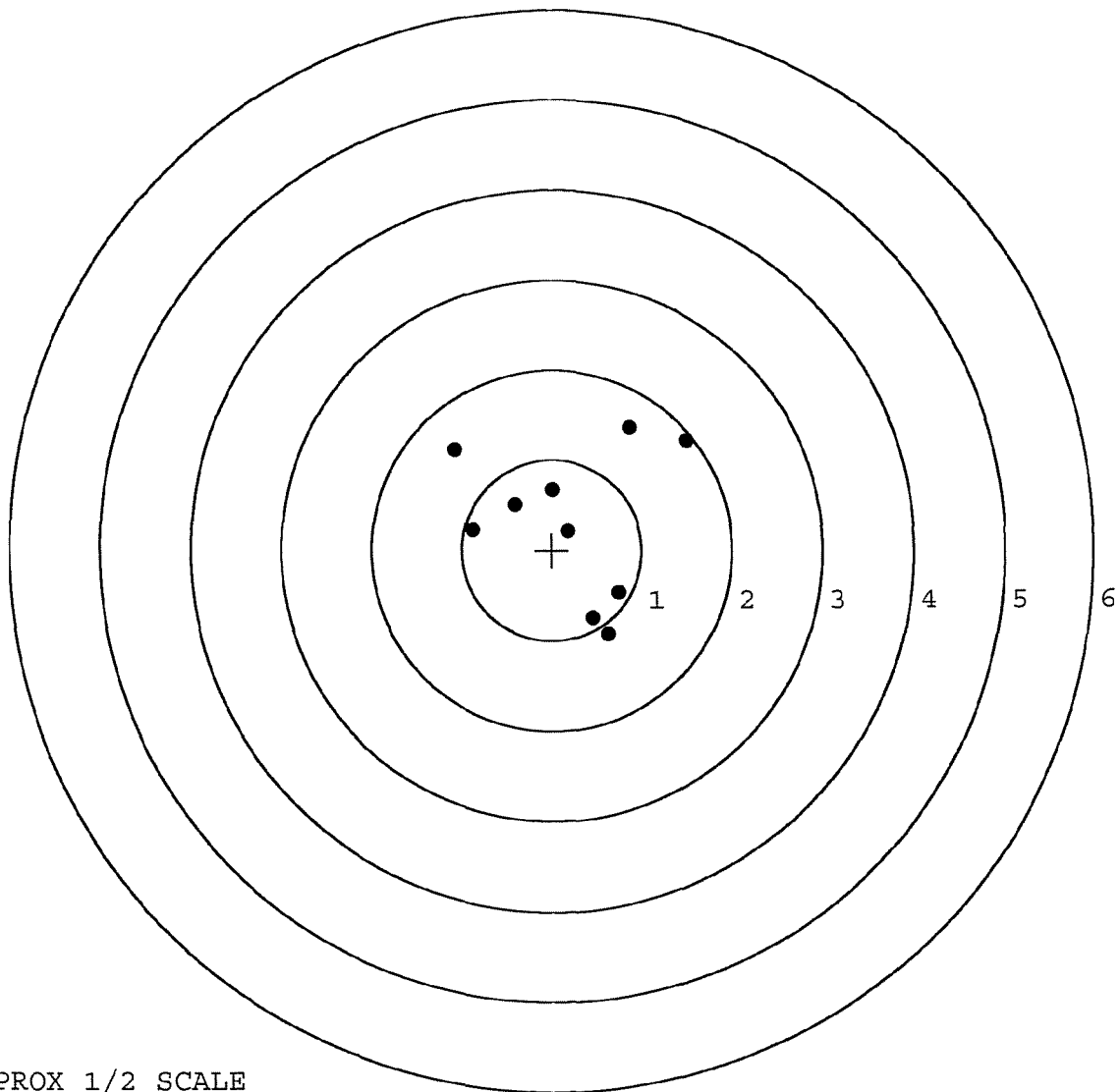


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. __0
 TARGET NUMBER: 3
 FILE DATE: 05/24/2005
 FILE TIME: 07:57

POINT#	X	Y
1:	0.630	-0.932
2:	0.740	-0.471
3:	0.180	0.209
4:	0.007	0.664
5:	-0.417	0.505
6:	-0.875	0.231
7:	-1.077	1.110
8:	0.871	1.354
9:	1.500	1.208
10:	0.454	-0.752

X CENTROID: 0.201
 Y CENTROID: 0.313
 POA TO CENTROID: 0.372
 HORZ SPREAD: 2.577
 VERT SPREAD: 2.286
 GROUP SPREAD: 2.579
 MIN RADIUS: 0.106
 MAX RADIUS: 1.577
 MEAN RADIUS: 0.992
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. __0

TARGET NUMBER: 4

FILE DATE: 05/24/2005

FILE TIME: 07:57

X CENTROID: 0.054

Y CENTROID: -0.268

POA TO CENTROID: 0.274

HORZ SPREAD: 2.341

VERT SPREAD: 2.232

GROUP SPREAD: 2.715

MIN RADIUS: 0.196

MAX RADIUS: 1.761

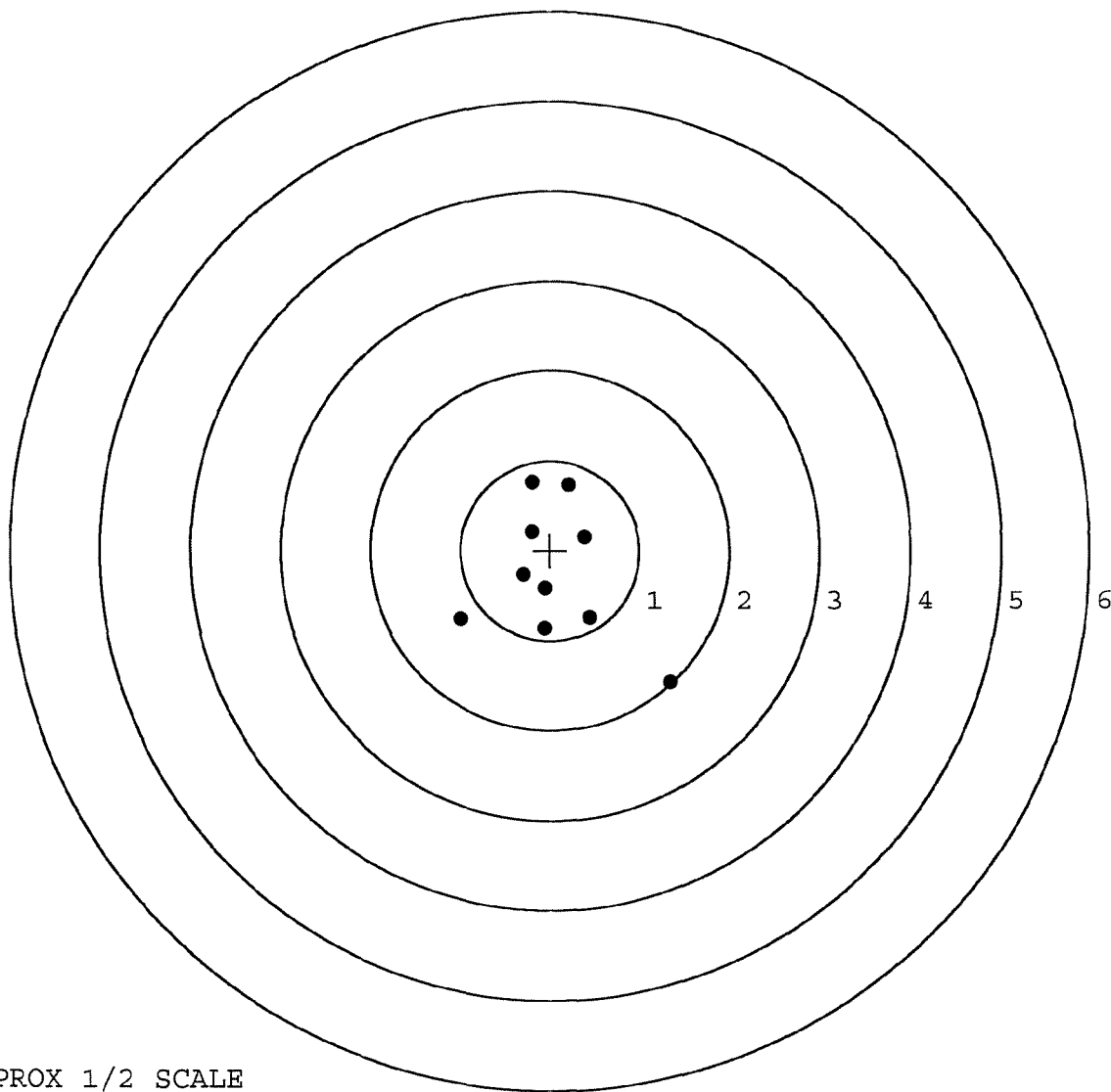
MEAN RADIUS: 0.787

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.341	-1.471
2:	0.445	-0.742
3:	-0.069	-0.871
4:	-1.000	-0.764
5:	-0.062	-0.426
6:	-0.302	-0.268
7:	0.392	0.159
8:	-0.206	0.208
9:	0.211	0.731
10:	-0.205	0.761

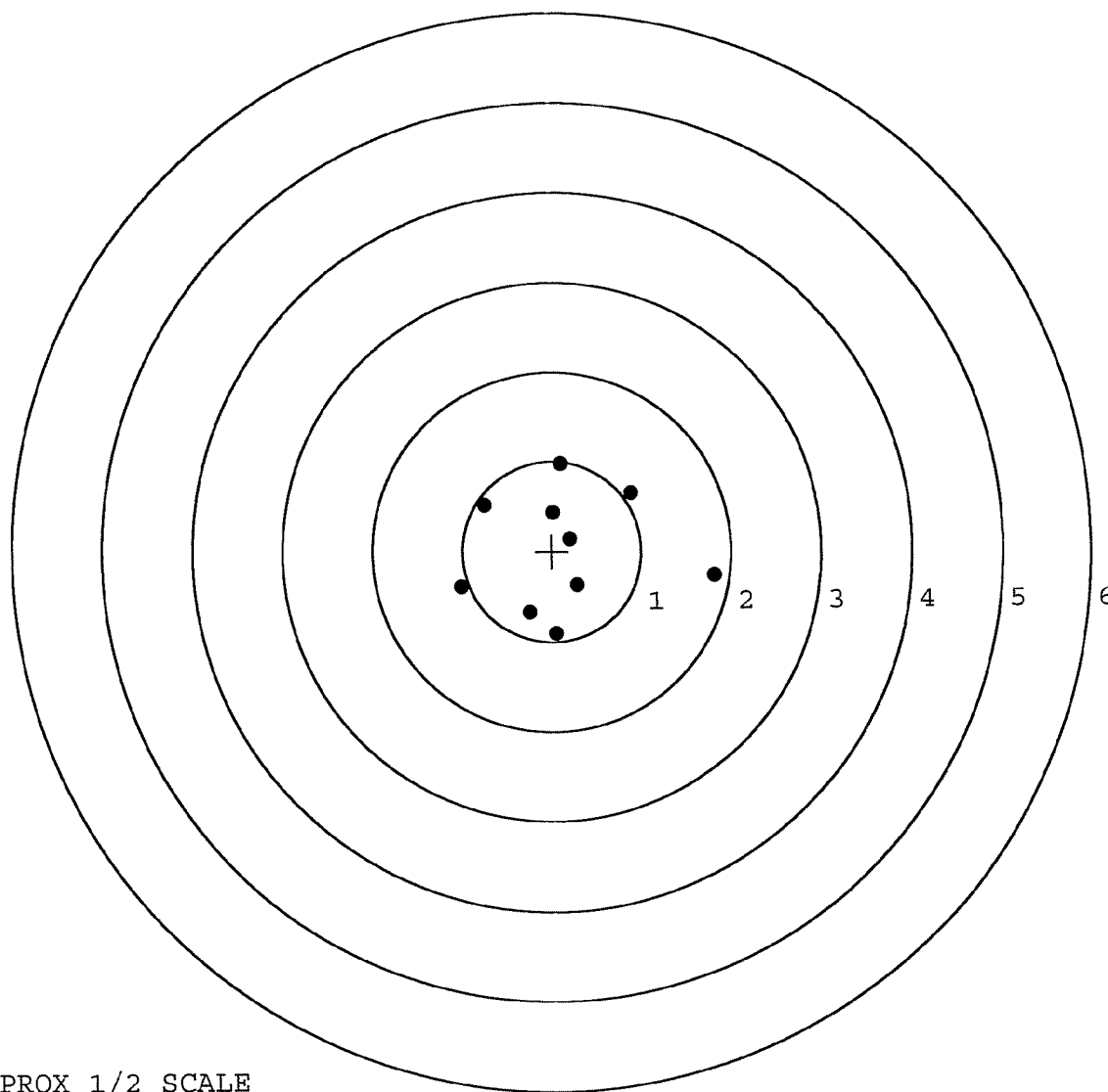


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594621. __0
 TARGET NUMBER: 5
 FILE DATE: 05/24/2005
 FILE TIME: 07:57

POINT#	X	Y
1:	1.815	-0.277
2:	0.888	0.643
3:	0.106	0.968
4:	0.019	0.430
5:	0.202	0.139
6:	0.284	-0.380
7:	0.045	-0.917
8:	-0.260	-0.675
9:	-1.020	-0.393
10:	-0.751	0.519

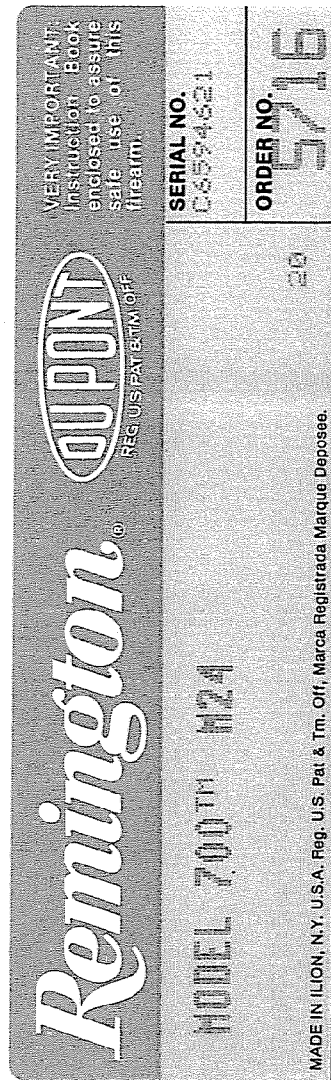
X CENTROID: 0.133
 Y CENTROID: 0.006
 POA TO CENTROID: 0.133
 HORZ SPREAD: 2.835
 VERT SPREAD: 1.885
 GROUP SPREAD: 2.837
 MIN RADIUS: 0.150
 MAX RADIUS: 1.706
 MEAN RADIUS: 0.862
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



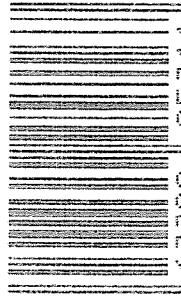
TARGET APPROX 1/2 SCALE

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

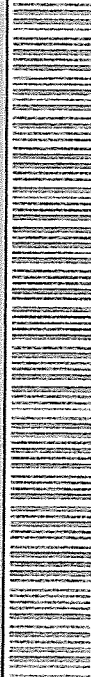
R & E NUMBER	96542		
SERIAL NUMBER	C6594621		
LOG-IN DATE	5-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-5-05	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	5-18-05	TRW
575	ASSEMBLE		
600	PROOF	5-18-05	AC
605	CHECK HEADSPACE	5-18-05	AC
610	DIS-ASSEMBLE GUN	5-18-05	AC
612	MAGNAFLUX	5-19-05	WMB
615	ROLLMARK CALIBER	5-19-05	CW
618	ROTO-BLAST	5-20-05	LB
620	APPLY COATINGS	5-22-05	W
625 A	FINAL ASSEMBLY	2-23-05	RR
B	TRIGGER PULL TEST	5-25-05	AC
C	SAFETY "ON" FORCE	5-24-05	AC
D	SAFETY "OFF" FORCE	5-24-05	AC
E	FIRING PIN INDENT	5-24-05	AC
640	TARGET	5-24-05	AC
655	FINAL INSPECT	5-24-05	AC
660	PACK	5-24-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	



UPC



0 47700 25716 2



5716 C6594621

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594621

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	1 10 91		FEB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-22-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/4/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/4/91	KA
	C) Inspect Ejector Hole for Chamfer		2/4/91	KA
	D) Oil Firing Pin Ass'y		2/4/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/5/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			2/5/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			2/5/91	WB
	H) Trigger Pull Test & Retainability						2/5/91	JS
	I) Firing Pin Indent	.0205	.020	.0203			2/5/91	WB
	J) Assemble Stock						2/5/91	KS
	K) Assemble Swivel Studs						2-19-91	AC
	L) Attach Front and Rear Sight Assemblies						2/5/91	KS
	M) Iron Sight Alignment						2/5/91	KS
	N) Detach Front & Rear Sights & place in numbered container						2/5/91	KS
	O) Attach Scope to Rifle						2/5/91	KS
	P) Detach & Attach Scope 20 Times						2/5/91	KS
640	Gallery Target & Test						2-6-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-6-91	AF
655	Final Inspection							
	A) Headspace						2-19-91	AC
	B) Trigger Pull	2.68	2.81	2.63	2.70	2.60	2/18/91	WB
	C) Function						2-19-91	AC
660	Pack						3-19-91	AF

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

SERIAL NO. C 6594621DATE 2-5-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.41	2.48	2.68	MIN. SETTING,
PULL #2	2.47	2.42	2.33	2.81	NO AVG. OF 5
PULL #3	2.33	2.50	2.42	2.63	READINGS ACCEPT-
PULL #4	2.49	2.38	2.39	2.70	ABLE LESS THAN 2#
PULL #5	2.46	2.47	2.48	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.50		
PULL #2	3.47	3.27		
PULL #3	3.50	3.35		
PULL #4	3.40	3.35		
PULL #5	3.46	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.37		4.29
PULL #2	4.53	4.47		4.41
PULL #3	4.32	4.40		4.38
PULL #4	4.45	4.23		4.26
PULL #5	4.41	4.23		4.43
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594621
7 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.218936
1 TO	2	.245687
1 TO	3	.138928
1 TO	4	.347287
1 TO	5	.4892

5
42 <----POA

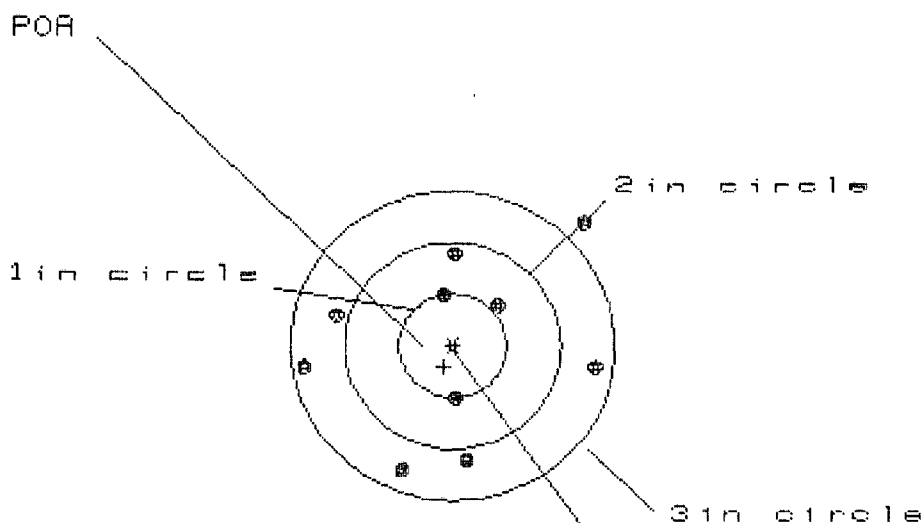
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1242
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1956
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .2317

THE AMR FOR THIS RIFLE IS: 1.034

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594621

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.789

VS= 2.429

GS= 3.023

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.364	1.502	1.341
MINIMUM X	:	-1.425	-1.287	-1.114
MAXIMUM Y	:	1.224	.988	.978
MINIMUM Y	:	-1.205	-1.069	-1.079
CENTROID X	:	.082	-.056	.105
CENTROID Y	:	.203	.067	.077
POA TO CENTROID in.	:	.219	.087	.130
MIN RADIUS	:	.471	.378	.343
MEAN RADIUS	:	1.050	.969	.914
MAX RADIUS	:	1.739	1.506	1.346
HORIZONTAL SPREAD	:	2.789	2.789	2.455
VERTICAL SPREAD	:	2.429	2.057	2.057
GEOMETRIC SPREAD	:	3.023	2.789	2.513

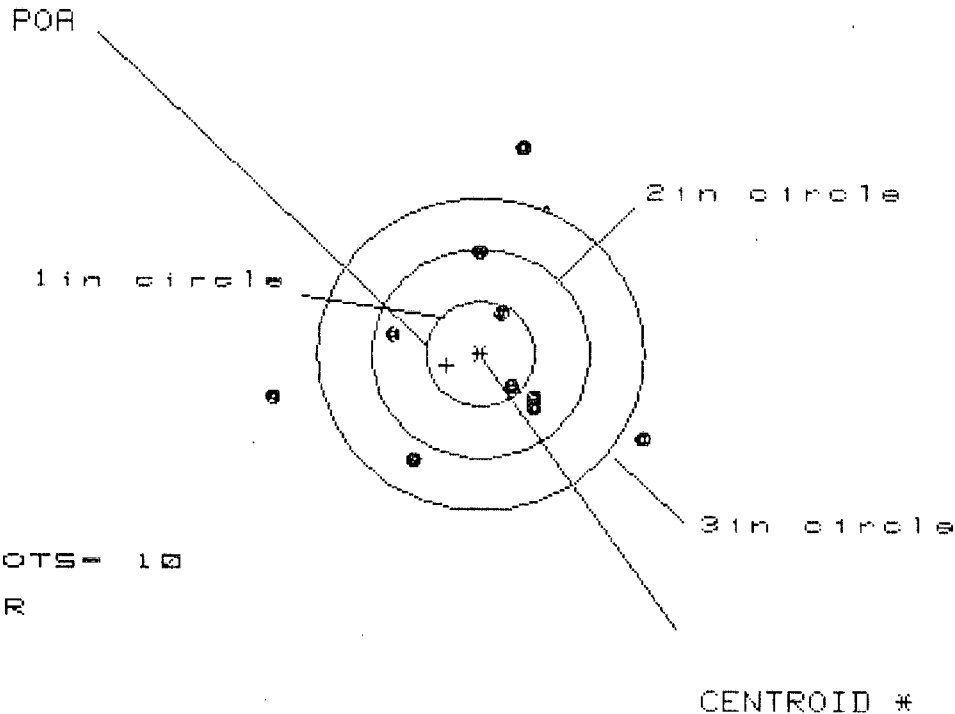
BARBER - M24 0020428

NUMBER IN ONE	INCH CIRCLE	=	2
NUMBER IN TWO	INCH CIRCLE	=	4
NUMBER IN THREE	INCH CIRCLE	=	9

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594621

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 3.374

VS= 2.947

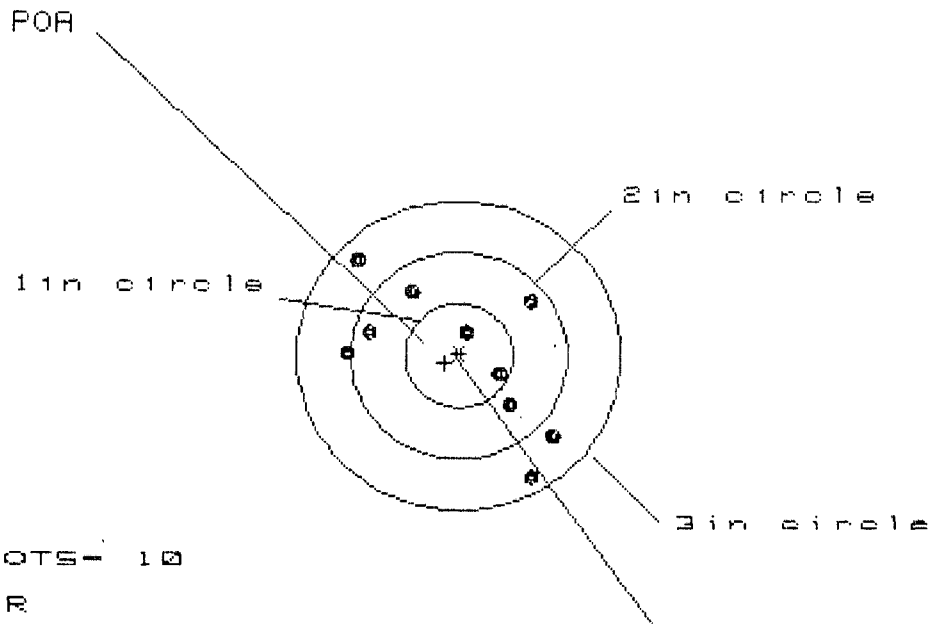
GS= 3.404

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.448	1.494	1.259
MINIMUM X	-1.926	-1.880	-1.040
MAXIMUM Y	1.964	1.190	1.168
MINIMUM Y	-.983	-.765	-.787
CENTROID X	.311	.265	.500
CENTROID Y	.114	-.104	-.082
POA TO CENTROID in.	.331	.285	.506
MIN RADIUS	.455	.398	.199
MEAN RADIUS	1.091	.975	.802
MAX RADIUS	2.008	1.888	1.421
HORIZONTAL SPREAD	3.374	3.374	2.299
VERTICAL SPREAD	2.947	1.955	1.955
EXTREME SPREAD	3.404	3.404	2.504
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594621

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.893

VS= 2.061

GS= 2.566

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.901	.973	.872
MINIMUM X	:	-.992	-.920	-1.021
MAXIMUM Y	:	.936	.811	.587
MINIMUM Y	:	-1.125	-.920	-.818
CENTROID X	:	.131	.059	.160
CENTROID Y	:	.073	.198	.096
POA TO CENTROID in.	:	.150	.206	.187
MIN RADIUS	:	.215	.180	.181
MEAN RADIUS	:	.853	.793	.737
MAX RADIUS	:	1.298	1.339	1.196
HORIZONTAL SPREAD	:	1.893	1.893	1.893
VERTICAL SPREAD	:	2.061	1.731	1.405
EXTREME SPREAD	:	2.566	2.484	2.067
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534621

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.7000

VS= 3.256

GS= 4.235

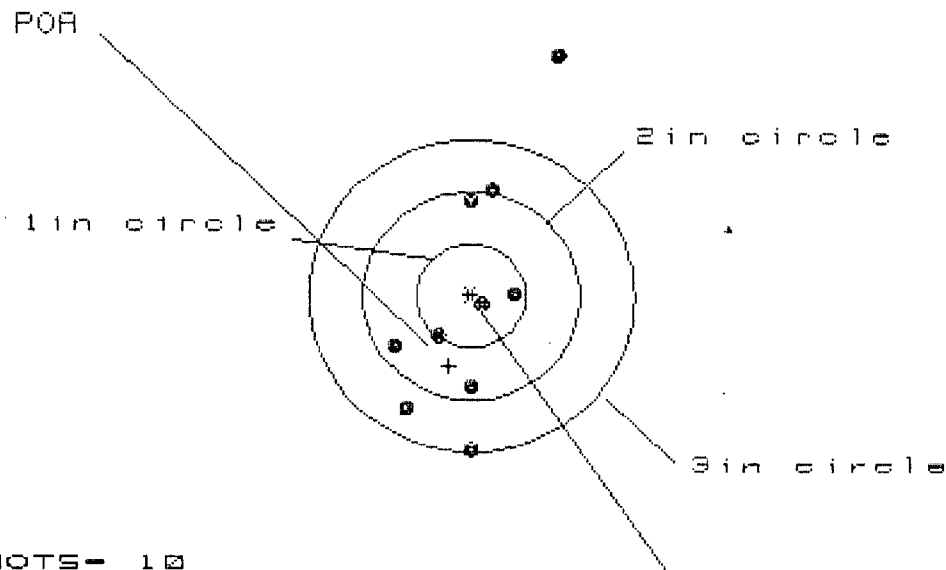
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.740	1.039	.943
MINIMUM X	:	-.968	-.775	-.843
MAXIMUM Y	:	1.436	1.486	1.279
MINIMUM Y	:	-1.820	-1.661	-1.680
CENTROID X	:	-.106	-.299	-.203
CENTROID Y	:	-.089	-.248	-.041
POA TO CENTROID in.	:	.138	.389	.207
MIN RADIUS	:	.211	.084	.228
MEAN RADIUS	:	1.209	1.058	.959
MAX RADIUS	:	2.256	1.832	1.696
HORIZONTAL SPREAD	:	2.708	1.814	1.786
VERTICAL SPREAD	:	3.256	3.147	2.959
EXTREME SPREAD	:	4.235	3.499	2.989
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	7		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594621

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 1.501

VS = 3.768

GS = 3.861

CENTROID *

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.846	.505	.517
MINIMUM X	-.655	-.561	-.549
MAXIMUM Y	2.333	1.268	1.121
MINIMUM Y	-1.435	-1.175	-.923
CENTROID X	.203	.109	.097
CENTROID Y	.677	.417	.564
POA TO CENTROID in.	.706	.431	.573
MIN RADIUS	.113	.259	.210
MEAN RADIUS	.967	.757	.700
MAX RADIUS	2.482	1.299	1.159
HORIZONTAL SPREAD	1.501	1.066	1.066
VERTICAL SPREAD	3.768	2.443	2.044
EXTREME SPREAD	3.861	2.450	2.178
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	