

C6348990

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington

Repair Inquiry

Repair Number: **RE00092561**

Serial: C6348990 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 2/7/2005 9:19:42 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

City: ANNISTON

State: AL

Zip Code: 362014199

Country: US

ANNISTON

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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

negletj

2/7/2005

10:20 AM

CAPS

NUM

INS

SCPL

start

3

INTC SAMPLE

2

Serial Number: **C6348990**

Model: **M24 SWS**



RE00092561

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)

SERIAL NO. _____

DATE 3-14-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.10	2.50		2.62	
PULL #2	2.42	2.68		2.74	
PULL #3	2.34	2.56		2.45	
PULL #4	2.17	2.58		2.72	
PULL #5	2.46	2.57		2.59	
TOTAL	11.49	12.89		13.12	
AVERAGE	2.29	2.57		2.62	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.31		
PULL #2	3.36	3.21		
PULL #3	2.95	3.25		
PULL #4	3.01	3.46		
PULL #5	3.12	3.33		
TOTAL	15.51	16.56		
AVERAGE	3.10	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	4.43	4.16		4.29
PULL #2	4.45	4.27		4.04
PULL #3	4.60	4.45		4.26
PULL #4	4.40	4.16		4.34
PULL #5	4.06	4.39		4.51
TOTAL	21.94	21.43		21.44
AVERAGE	4.38	4.28		4.28

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348990.___0
FILE DATE AND TIME: 04/18/2005 08:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.028
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.888
The Distance from POA to Centroid Target #1:	0.190
The Distance from Centroid Target #2 to Centroid Target #1:	0.506
The Distance from Centroid Target #3 to Centroid Target #1:	0.345
The Distance from Centroid Target #4 to Centroid Target #1:	0.179
The Distance from Centroid Target #5 to Centroid Target #1:	0.133

SERIAL NUMBER: C6348990. 0

TARGET NUMBER: 1

FILE DATE: 04/18/2005

FILE TIME: 08:26

X CENTROID: 0.170

Y CENTROID: 0.085

POA TO CENTROID: 0.190

HORZ SPREAD: 2.258

VERT SPREAD: 1.646

GROUP SPREAD: 2.633

MIN RADIUS: 0.429

MAX RADIUS: 1.374

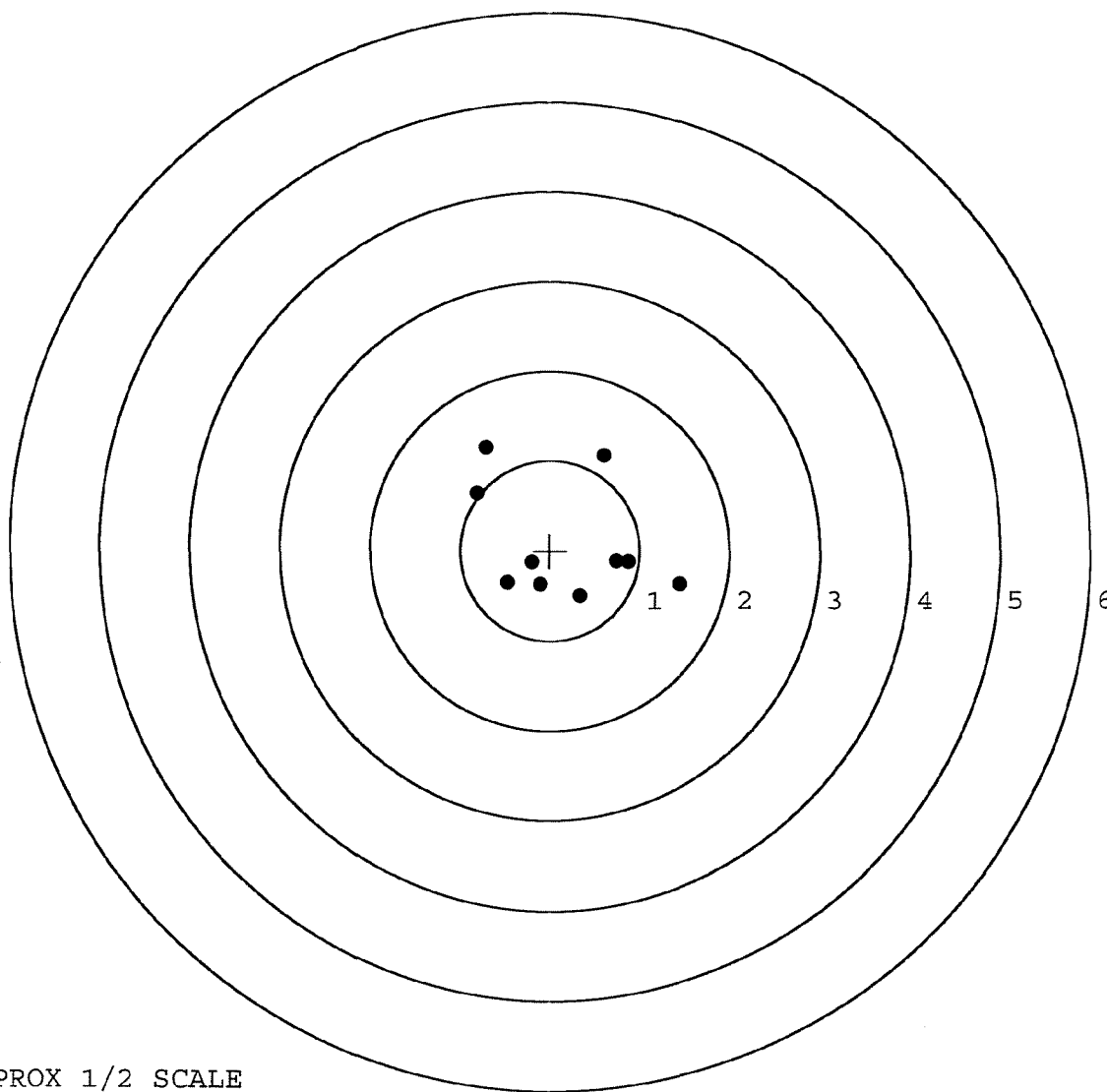
MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

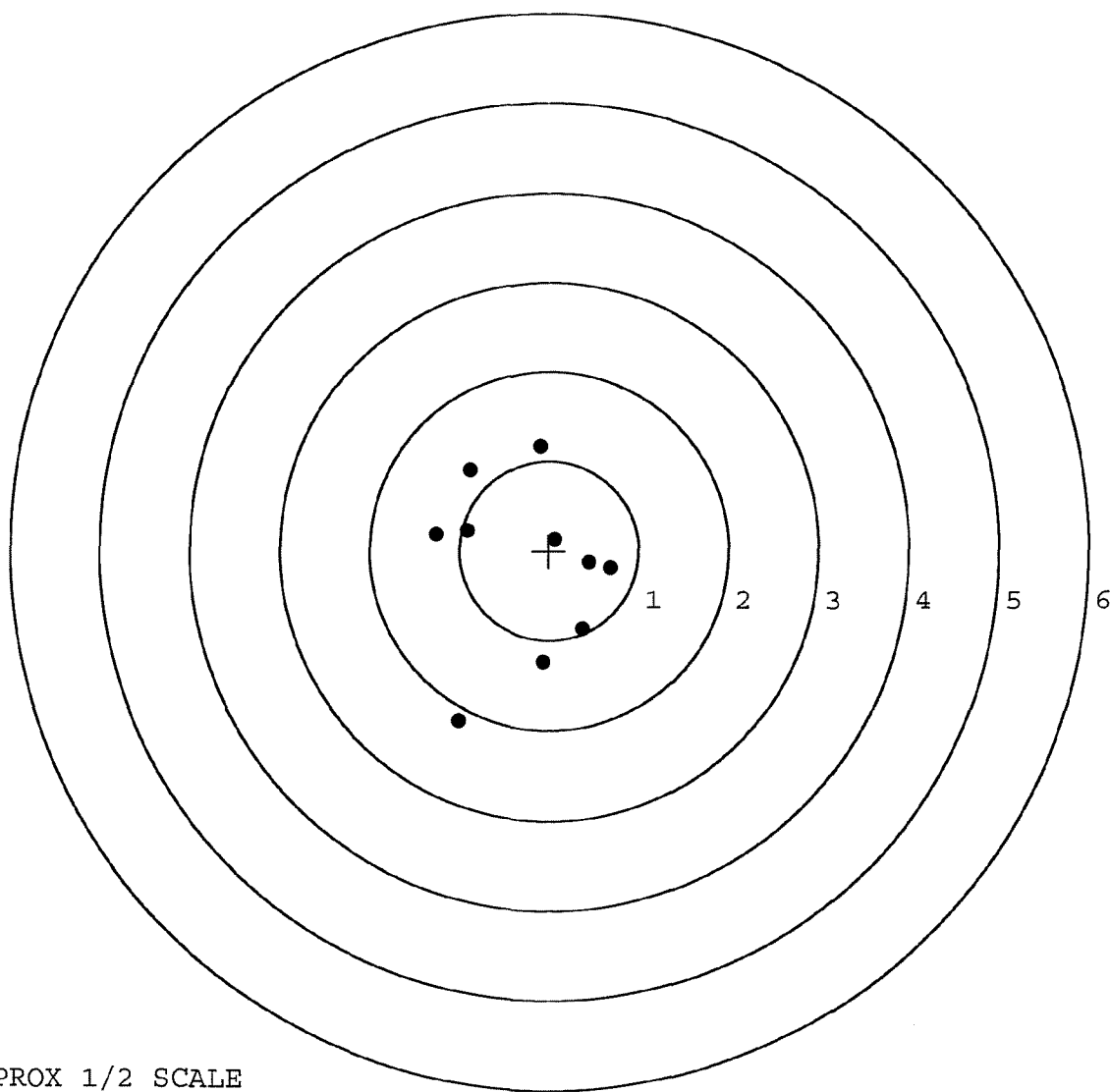
POINT#	X	Y
1:	1.442	-0.377
2:	0.740	-0.118
3:	0.879	-0.124
4:	0.335	-0.504
5:	-0.110	-0.377
6:	-0.202	-0.130
7:	-0.474	-0.357
8:	-0.816	0.637
9:	-0.709	1.142
10:	0.610	1.057



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348990. __0
TARGET NUMBER: 2
FILE DATE: 04/18/2005
FILE TIME: 08:26

	POINT#	X	Y
	1:	0.689	-0.198
	2:	0.447	-0.132
	3:	0.071	0.133
	4:	-0.916	0.221
	5:	-1.260	0.184
	6:	-0.883	0.898
	7:	-0.094	1.165
	8:	-0.070	-1.249
	9:	0.378	-0.879
	10:	-1.007	-1.901
X CENTROID:		-0.265	
Y CENTROID:		-0.176	
POA TO CENTROID:		0.318	
HORZ SPREAD:		1.949	
VERT SPREAD:		3.066	
GROUP SPREAD:		3.199	
MIN RADIUS:		0.456	
MAX RADIUS:		1.878	
MEAN RADIUS:		1.046	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		5	
# in 3 IN DIAMETER:		9	

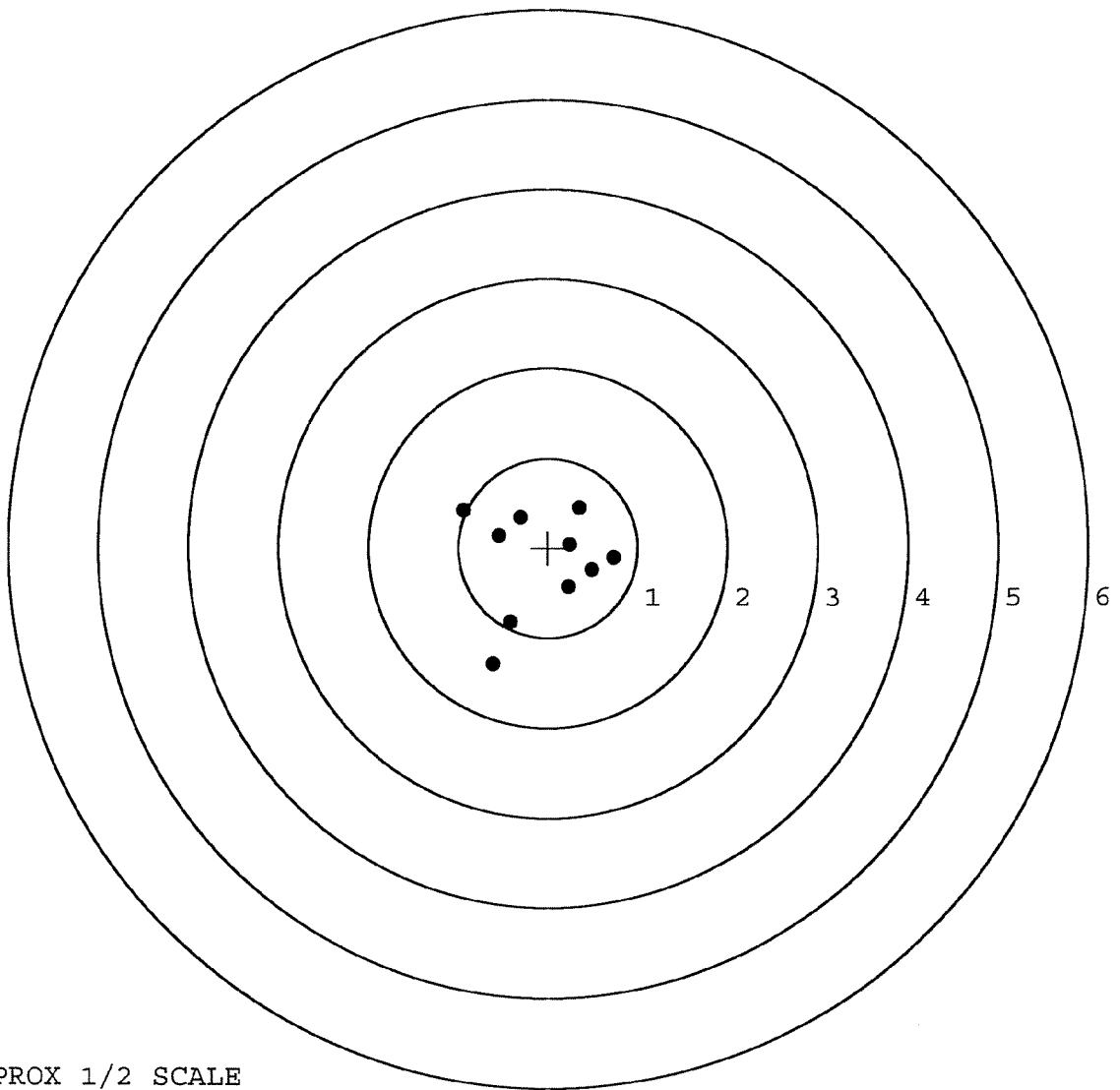


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348990. 0
TARGET NUMBER: 3
FILE DATE: 04/18/2005
FILE TIME: 08:26

POINT#	X	Y
1:	0.735	-0.114
2:	0.489	-0.252
3:	0.227	-0.439
4:	0.241	0.039
5:	0.352	0.453
6:	-0.312	0.341
7:	-0.553	0.139
8:	-0.942	0.426
9:	-0.424	-0.827
10:	-0.618	-1.296

X CENTROID: -0.081
Y CENTROID: -0.153
POA TO CENTROID: 0.173
HORZ SPREAD: 1.677
VERT SPREAD: 1.749
GROUP SPREAD: 2.000
MIN RADIUS: 0.374
MAX RADIUS: 1.263
MEAN RADIUS: 0.709
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348990. __0

TARGET NUMBER: 4

FILE DATE: 04/18/2005

FILE TIME: 08:26

POINT#	X	Y
1:	0.166	-1.463
2:	0.474	-0.519
3:	-0.316	-0.137
4:	-0.162	0.209
5:	-0.780	-0.040
6:	-0.919	-1.269
7:	1.974	-0.177
8:	1.221	0.423
9:	0.308	1.016
10:	0.753	1.335

X CENTROID: 0.272

Y CENTROID: -0.062

POA TO CENTROID: 0.279

HORZ SPREAD: 2.893

VERT SPREAD: 2.798

GROUP SPREAD: 3.092

MIN RADIUS: 0.500

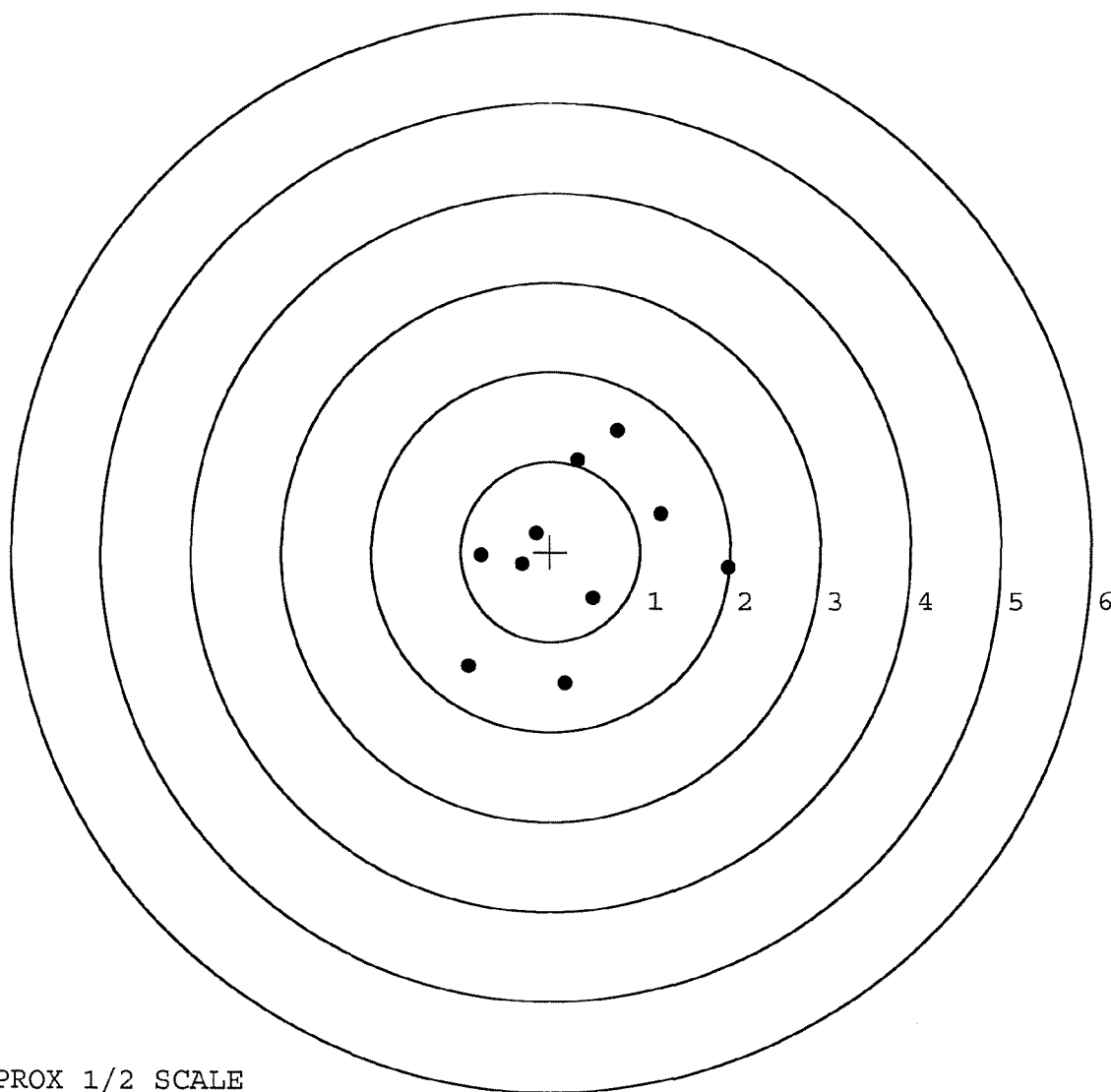
MAX RADIUS: 1.706

MEAN RADIUS: 1.108

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 8

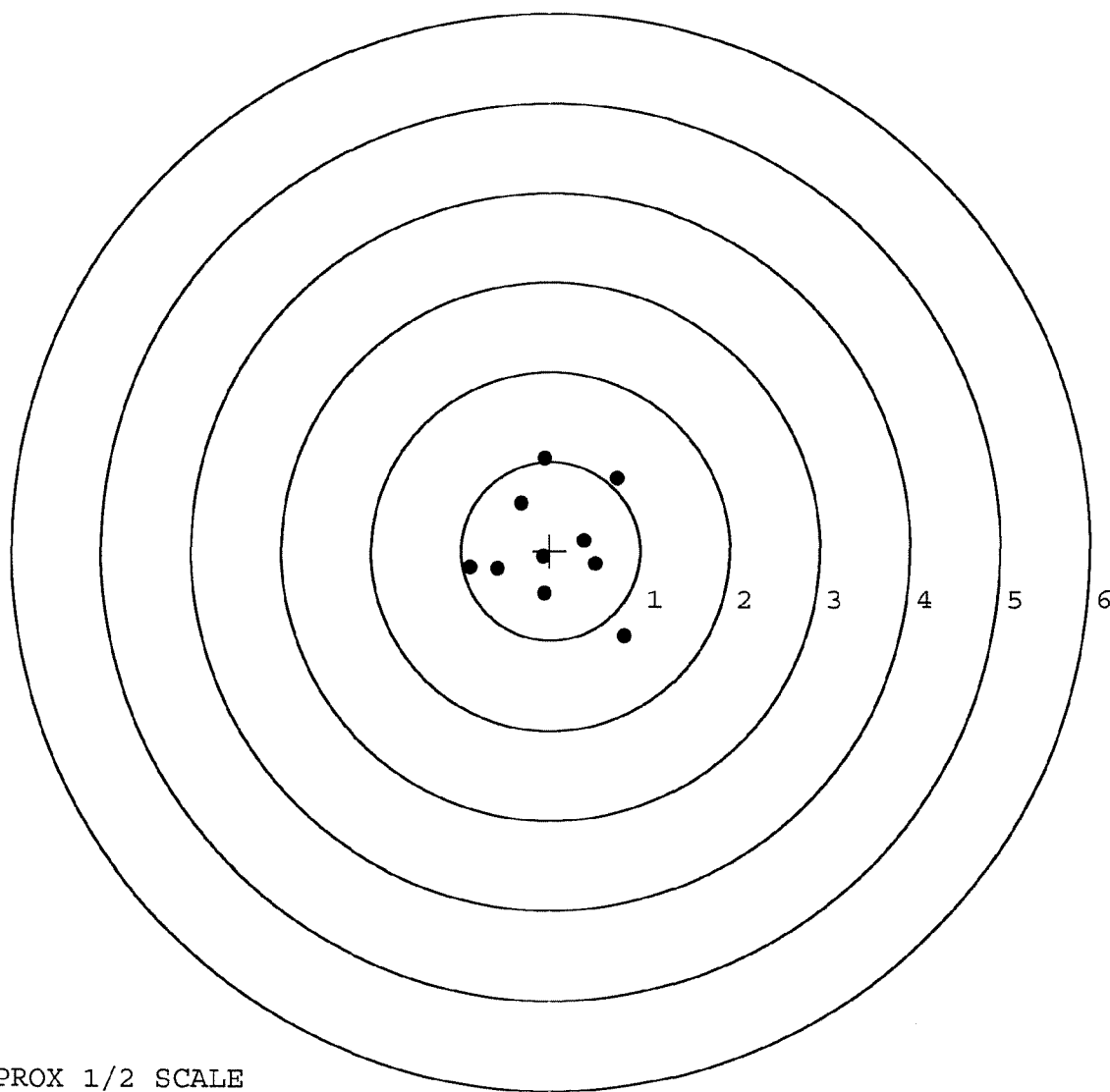


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348990. __0
TARGET NUMBER: 5
FILE DATE: 04/18/2005
FILE TIME: 08:26

X CENTROID: 0.043
Y CENTROID: 0.044
POA TO CENTROID: 0.062
HORZ SPREAD: 1.735
VERT SPREAD: 1.996
GROUP SPREAD: 2.187
MIN RADIUS: 0.167
MAX RADIUS: 1.277
MEAN RADIUS: 0.714
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.830	-0.962
2:	0.509	-0.150
3:	0.375	0.117
4:	-0.062	-0.483
5:	-0.079	-0.069
6:	-0.592	-0.202
7:	-0.905	-0.191
8:	-0.329	0.534
9:	0.750	0.811
10:	-0.063	1.034



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92561		
SERIAL NUMBER	C6348990		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-15-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	AC
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	SW
620	APPLY COATINGS	4/5	HP
625 A	FINAL ASSEMBLY	4-18-05	RTZ
B	TRIGGER PULL TEST	4-22-05	TRW
C	SAFETY "ON" FORCE	4-22-05	AE
D	SAFETY "OFF" FORCE	4-22-05	AC
E	FIRING PIN INDENT	4-22-05	AC
640	TARGET	4-18-05	AC
655	FINAL INSPECT	4-22-05	AC
660	PACK	4-23-05	RTZ
		SHIP DATE	
		QAR INSPECTION DATE	

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

MODEL 700TM M24

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

SERIAL NO.
C6348990

ORDER NO.
5716

01


5716 C6348990

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

UPC


0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400043395

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348990

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	A
607	Check Headspace	1 30	90	A
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KEB
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber	2-5-90		GS
617	Drill and Tap Sight Holes	2-5-90		LB
618	Polish Barrel RB	2-5-90		WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/23/90	gbl

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/24/90	JD
	G) Safety Off Force	2	2	2			4/24/90	JD
	H) Trigger Pull Test & Retainability						4/23/90	JD
	I) Firing Pin Indent	.022	.023	.023			4/24/90	JD
	J) Assemble Stock						4/24/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/24/90	RW
	M) Iron Sight Alignment						4/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/24/90	RW
	O) Attach Scope to Rifle						4/24/90	WB
	P) Detach & Attach Scope 20 Times						4/24/90	WB
640	Gallery Target & Test						4-25-90	DH
	A) Time						4-25-90	DH
	B) Malfunctions						4-25-90	DH
	C) Pierced Primers						4-25-90	DH
	D) Optical Clarity of Scope						4-25-90	DH
645	Inspect for Live Ammo						4-25-90	DH
655	Final Inspection						4/30/90	WB
	A) Headspace							
	B) Trigger Pull	2.52	2.52	2.50	2.52	2.52	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-14-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348990

DATE 4/23/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.16	2.25	2.42	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.04	2.51	2.52	
PULL #3	2.29	2.42	2.50	2.52	
PULL #4	2.33	2.53	2.40	2.50	
PULL #5	2.31	2.38	2.43	2.52	
TOTAL	11.41	11.62	12.26		
AVG.	2.282	2.324	2.452		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.36		
PULL #2	3.46	3.40		
PULL #3	3.40	3.35		
PULL #4	3.43	3.41		
PULL #5	3.36	3.42		
TOTAL	17.06	16.94		
AVG.	3.412	3.388		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.46		4.22
PULL #2	4.45	4.40		4.22
PULL #3	4.46	4.48		4.26
PULL #4	4.51	4.47		4.26
PULL #5	4.40	4.42		4.16
TOTAL	22.35	22.23		21.12
AVG.	4.47	4.446		4.224

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348990
25 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.380802
1 TO	2	.689386
1 TO	3	.204002
1 TO	4	.442005
1 TO	5	.474899

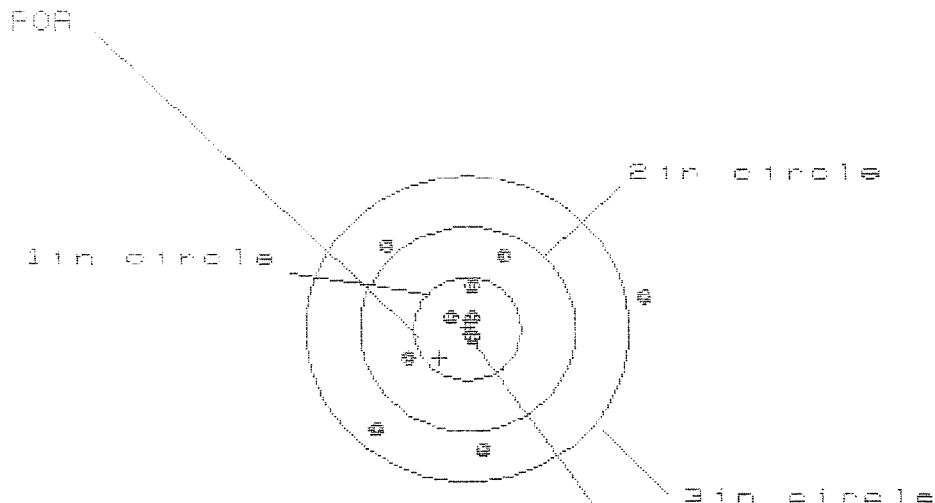
z_{45}^{13} <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2282
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0428
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .232179
THE AMR FOR THIS RIFLE IS: .8156

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0604B990

CENTERFIRE PATTERNS # 1



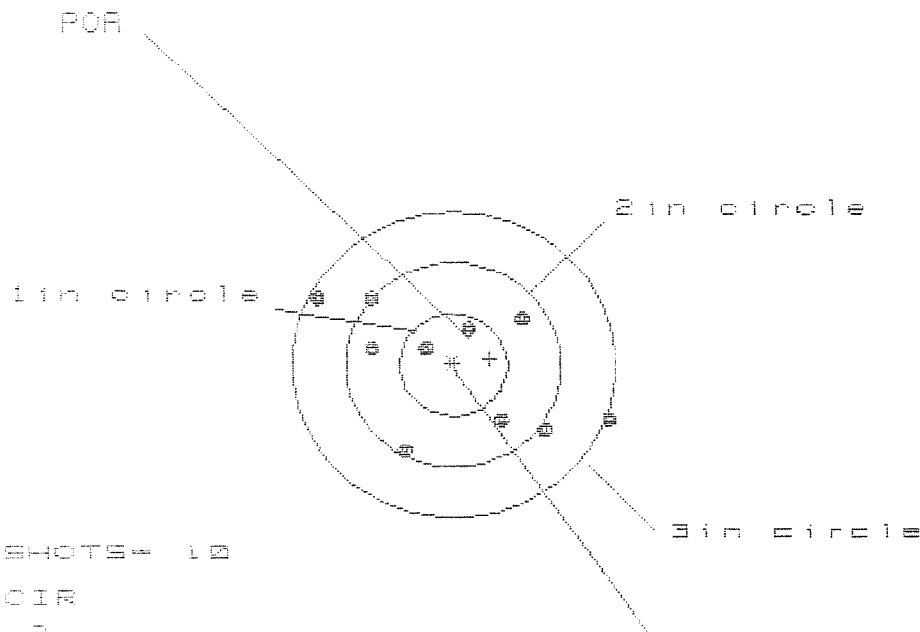
OF SHOTS = 10
 # IN CIR
 1in = 4
 2in = 6
 3in = 8
 HE = 2.468
 VE = 1.959
 GE = 2.796

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.608	.550	.465
MINIMUM X	-.860	-.682	-.651
MAXIMUM Y	.781	.816	.696
MINIMUM Y	-1.178	-1.143	-1.263
CENTROID X	.257	.079	.164
CENTROID Y	.281	.246	.366
FOR TO CENTROID (in.)	.381	.258	.401
MIN RADIUS	.107	.137	.095
MEAN RADIUS	.758	.666	.562
MAX RADIUS	1.639	1.200	1.294
HORIZONTAL SPREAD	2.468	1.232	1.116
VERTICAL SPREAD	1.959	1.959	1.959
EXTREME SPREAD	2.796	2.169	2.169
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 8		

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0834B990

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.653

VS= 1.499

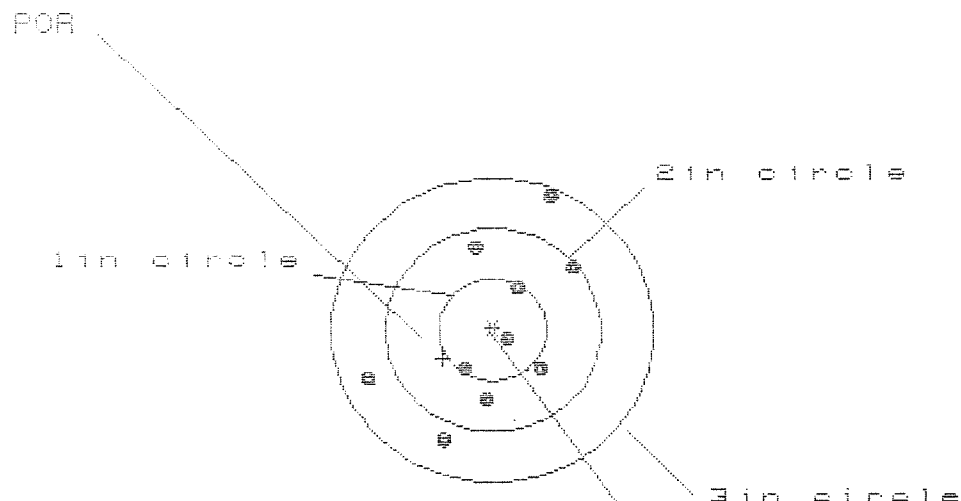
GS= 2.929

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	.971	.839
MINIMUM X	-1.221	-1.062	-.733
MAXIMUM Y	.684	.622	.700
MINIMUM Y	-.815	-.877	-.799
CENTROID X	-.341	-.500	-.368
CENTROID Y	-.062	-.000	-.078
POI TO CENTROID in.	.347	.500	.376
MIN RADIUS	.338	.171	.324
MEAN RADIUS	.883	.788	.737
MAX RADIUS	1.537	1.230	1.023
HORIZONTAL SPREAD	2.653	2.033	1.572
VERTICAL SPREAD	1.499	1.499	1.499
EXTREME SPREAD	2.929	2.404	2.025
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

25 Apr 1998

FILE://PATTERNING/CENTERFIRE_PATT/C634B990

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HE= 1.848

VS= 2.412

GS= 2.593

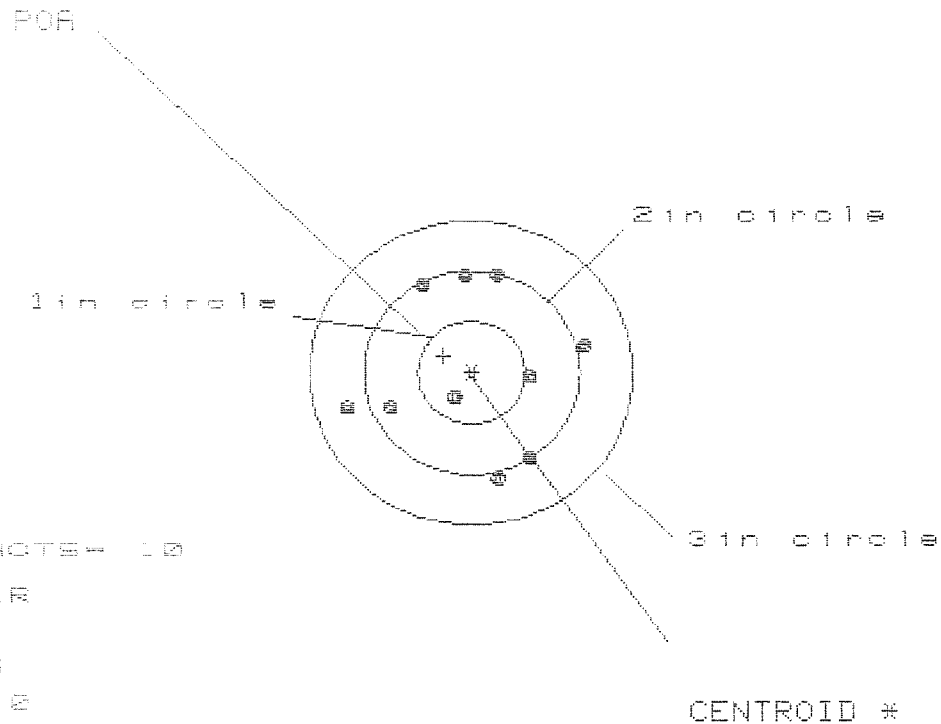
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.741	.797	.654
MINIMUM X	-1.204	-1.148	-.531
MAXIMUM Y	1.350	.931	.889
MINIMUM Y	-1.062	-.912	-.954
CENTROID X	.461	.405	.548
CENTROID Y	.280	.130	.172
POR TO CENTROID in.	.539	.425	.574
MIN RADIUS	.177	.197	.050
MEAN RADIUS	.809	.722	.638
MAX RADIUS	1.443	1.197	1.092
HORIZONTAL SPREAD	1.945	1.945	1.185
VERTICAL SPREAD	2.412	1.843	1.843
EXTREME SPREAD	2.593	2.252	2.080
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B990

CENTERFIRE PATTERNS # 4



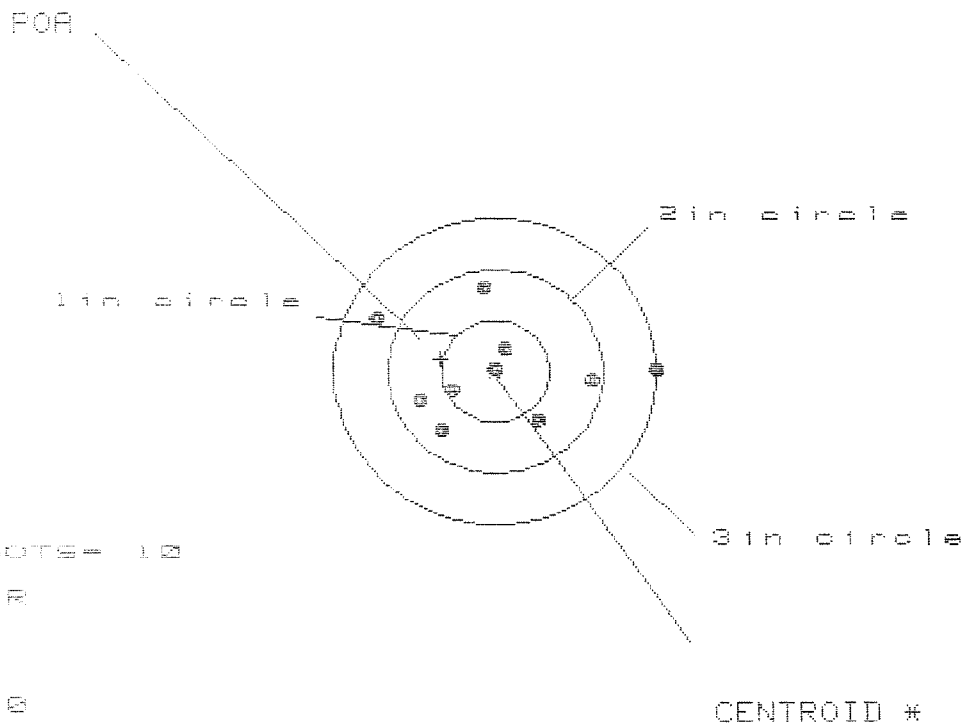
OF SHOTS = 10
 # IN CIR
 1in = 1
 2in = 6
 3in = 10
 HSE = 2.200
 VS = 2.019
 GS = 2.291

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.877	.896
MINIMUM X	:	-1.198	-.849	-.830
MAXIMUM Y	:	.939	.896	.756
MINIMUM Y	:	-1.080	-1.123	-1.067
CENTROID X	:	.259	.392	.373
CENTROID Y	:	-.161	-.118	.022
POA TO CENTROID in.	:	.305	.409	.374
MIN RADIUS	:	.252	.370	.467
MEAN RADIUS	:	.892	.844	.803
MAX RADIUS	:	1.257	1.132	1.136
HORIZONTAL SPREAD	:	2.208	1.726	1.726
VERTICAL SPREAD	:	2.019	2.019	1.823
EXTREME SPREAD	:	2.291	2.093	2.009
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06340990

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 2.581

VS= 1.434

GS= 2.634

CENTROID *

PATTERN #	1	5	9	8
SHOTS (BEST OF)	10			
MAXIMUM X	1.480	1.066	.949	
MINIMUM X	-1.101	-.937	-.650	
MAXIMUM Y	.818	.818	.884	
MINIMUM Y	-.616	-.616	-.550	
CENTROID X	.505	.341	.458	
CENTROID Y	-.124	-.124	-.190	
POA TO CENTROID (in.)	.520	.363	.496	
MIN RADIUS	.062	.133	.114	
MEAN RADIUS	.736	.643	.583	
MAX RADIUS	1.480	1.076	.949	
HORIZONTAL SPREAD	2.581	2.003	1.599	
VERTICAL SPREAD	1.434	1.434	1.434	
EXTREME SPREAD	2.634	2.088	1.615	
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		