

C6498737

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400006779

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: **RE00112657**

Serial: C6498737 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/19/1990

Repairman:

Status:

Closed 5/22/2006 2:49:28 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: HQ-STARC (-) COARNG

HQ-STARC (-) COARNG

Address 1: 6848 S REVERE PARKWAY

6848 S REVERE PARKWAY

Address 2: ATTN: USPFO-TRANS.

PO Box:

ATTN: USPFO-TRANS.

PO Box:

City: CENTENNIAL

CENTENNIAL

State: CO

Zip Code: 80112

Country: US

State: CO

Zip Code: 80112

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
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search

Refresh

Close

naql

5/23/2006

7:24 AM

CAPS

NUM

INS

SCPL

start

2 Micr...

Microsof...

2 Inter...

Part Sea...

Arms Se...

7:24 AM

Serial Number: **C6498737**

Model: **M24 SWS**



RE00112657

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)

DATE 6-13-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	256	253		256	
PULL #2	246	248		241	
PULL #3	257	253		256	
PULL #4	250	231		257	
PULL #5	247	246		249	
TOTAL	1256	1231		1259	
AVERAGE	251	246		251	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	306	318		
PULL #2	299	310		
PULL #3	313	324		
PULL #4	306	319		
PULL #5	312	316		
TOTAL	1536	1587		
AVERAGE	307	317		

	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	420	426		410
PULL #2	419	410		408
PULL #3	420	414		426
PULL #4	418	404		417
PULL #5	416	407		409
TOTAL	2093	2061		2070
AVERAGE	418	412		414

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498737.___0

FILE DATE AND TIME: 06/14/2006 16:23

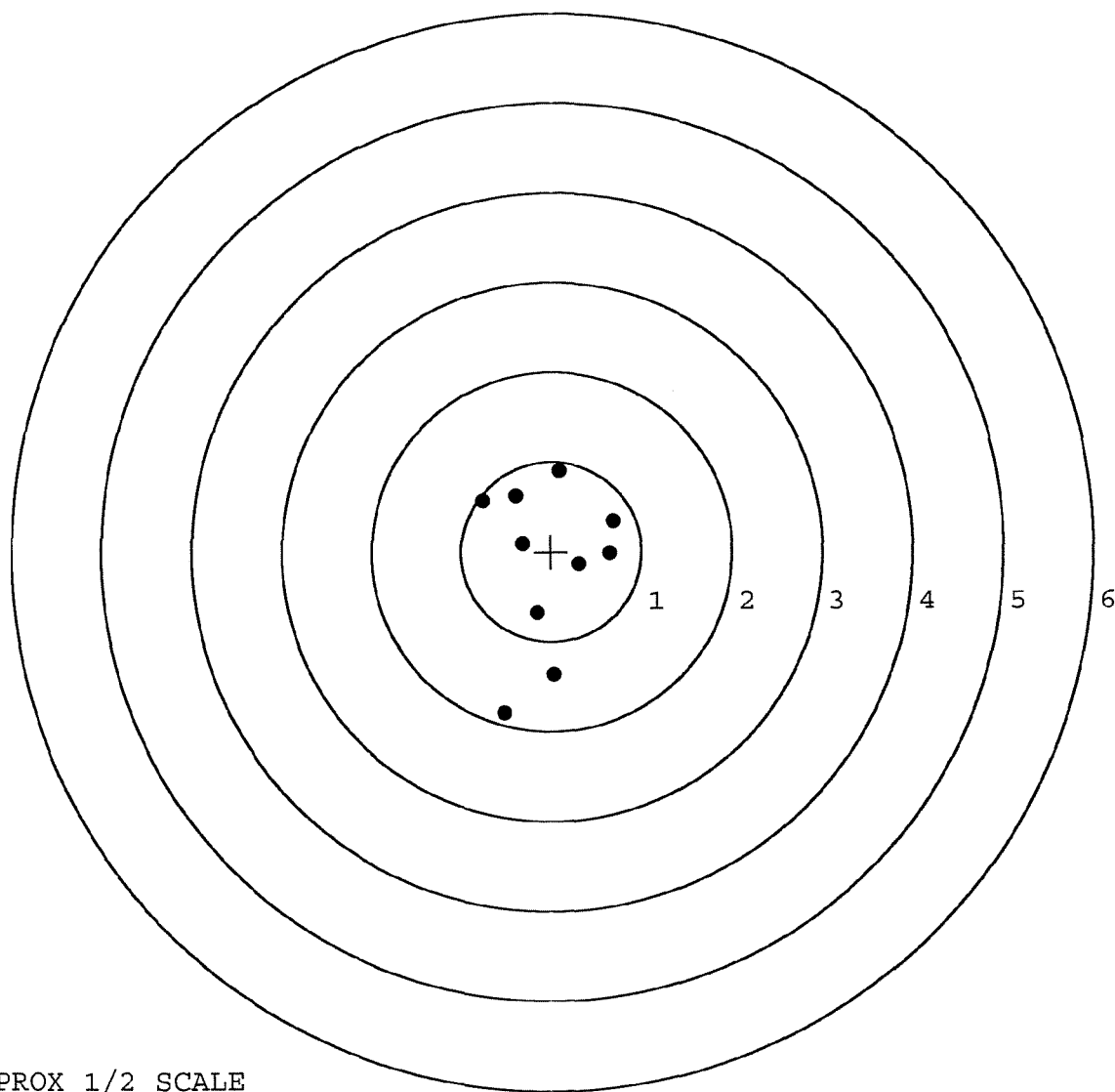
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.088
The Average Y Centroid of the Five Target Set:	-0.108
The Average Point of Impact of the Five Target Set:	0.139
The Average Mean Radius of the Five Target Set:	0.716
The Distance from POA to Centroid Target #1:	0.154
The Distance from Centroid Target #2 to Centroid Target #1:	0.240
The Distance from Centroid Target #3 to Centroid Target #1:	0.164
The Distance from Centroid Target #4 to Centroid Target #1:	0.179
The Distance from Centroid Target #5 to Centroid Target #1:	0.199

SERIAL NUMBER: C6498737. __0
TARGET NUMBER: 1
FILE DATE: 06/14/2006
FILE TIME: 16:23

X CENTROID: -0.037
Y CENTROID: -0.149
POA TO CENTROID: 0.154
HORZ SPREAD: 1.447
VERT SPREAD: 2.697
GROUP SPREAD: 2.764
MIN RADIUS: 0.350
MAX RADIUS: 1.719
MEAN RADIUS: 0.872
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.761	0.570
2:	-0.397	0.625
3:	-0.317	0.088
4:	0.088	0.897
5:	0.686	0.344
6:	0.653	-0.016
7:	0.313	-0.135
8:	-0.159	-0.687
9:	0.040	-1.377
10:	-0.517	-1.800

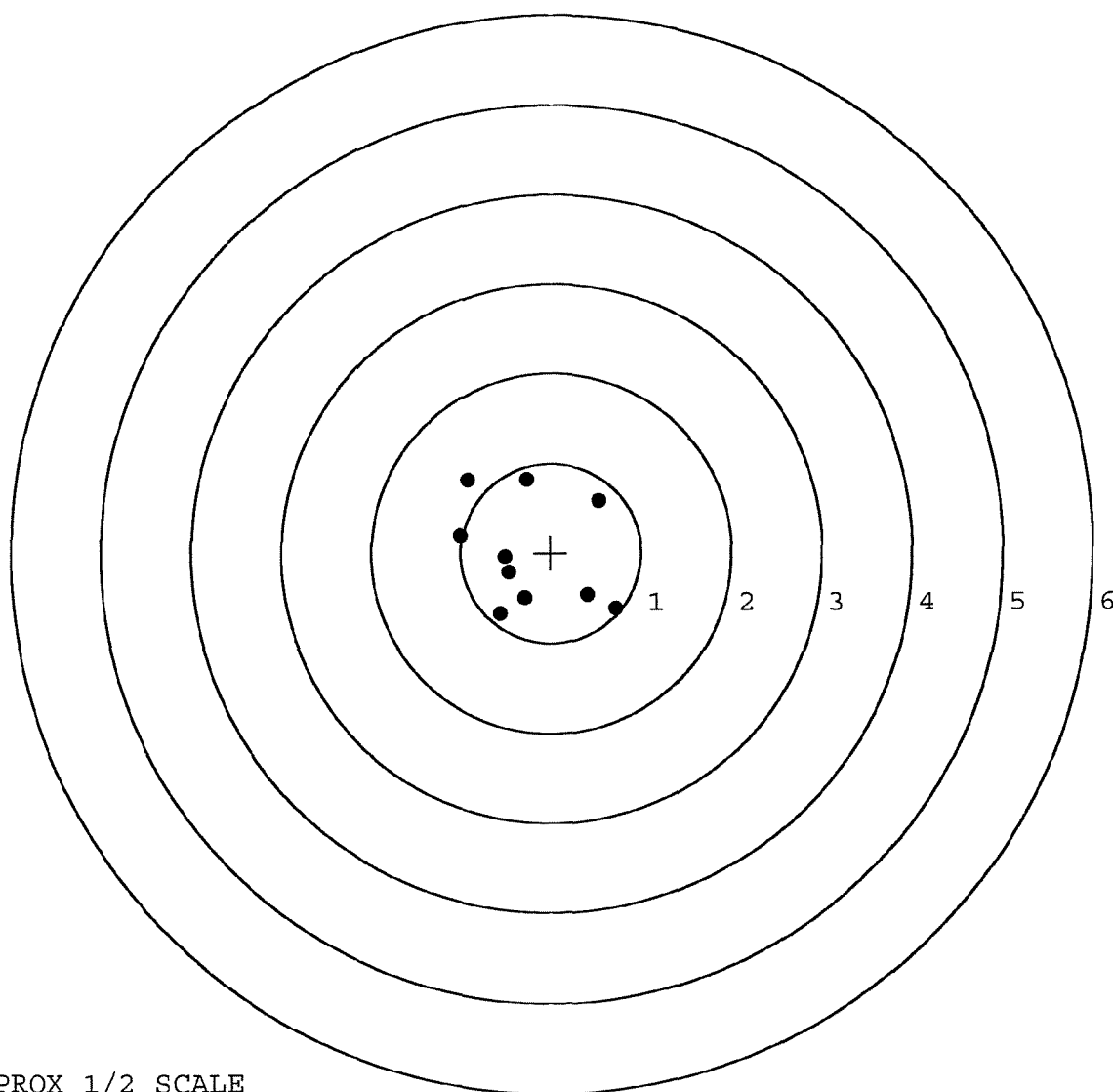


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498737. __0
TARGET NUMBER: 2
FILE DATE: 06/14/2006
FILE TIME: 16:23

X CENTROID: -0.236
Y CENTROID: -0.015
POA TO CENTROID: 0.237
HORZ SPREAD: 1.734
VERT SPREAD: 1.498
GROUP SPREAD: 2.183
MIN RADIUS: 0.267
MAX RADIUS: 1.135
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.921	0.814
2:	-0.271	0.817
3:	-1.012	0.190
4:	-0.501	-0.049
5:	-0.293	-0.511
6:	-0.563	-0.681
7:	0.411	-0.467
8:	0.722	-0.624
9:	0.527	0.580
10:	-0.461	-0.223

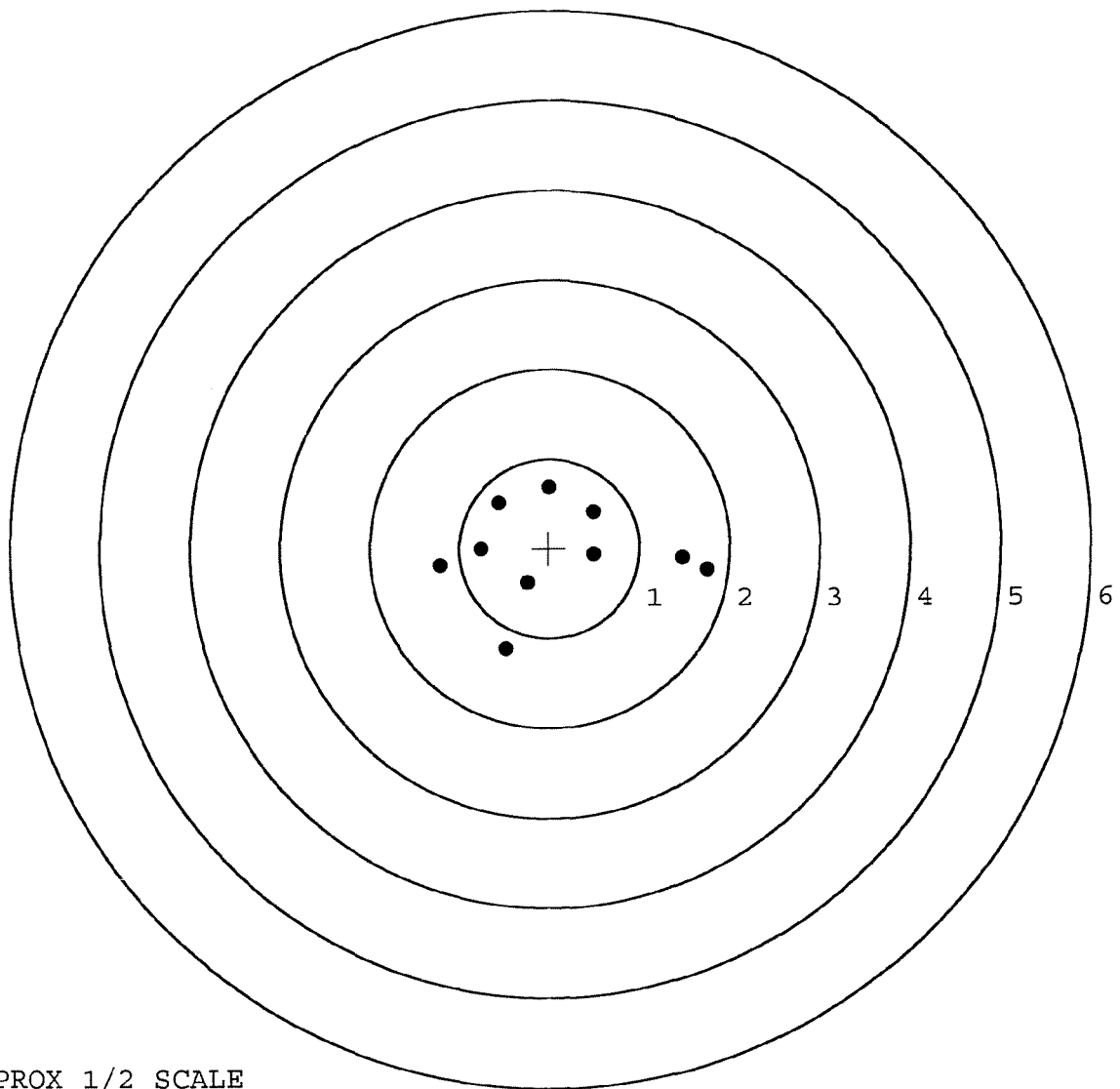


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498737. 0
TARGET NUMBER: 3
FILE DATE: 06/14/2006
FILE TIME: 16:23

X CENTROID: 0.097
Y CENTROID: -0.054
POA TO CENTROID: 0.111
HORZ SPREAD: 2.960
VERT SPREAD: 1.807
GROUP SPREAD: 2.960
MIN RADIUS: 0.397
MAX RADIUS: 1.667
MEAN RADIUS: 0.953
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.207	-0.194
2:	-0.755	-0.009
3:	-0.563	0.509
4:	0.006	0.681
5:	0.490	0.410
6:	0.494	-0.067
7:	1.753	-0.244
8:	-0.241	-0.393
9:	-0.485	-1.126
10:	1.479	-0.108

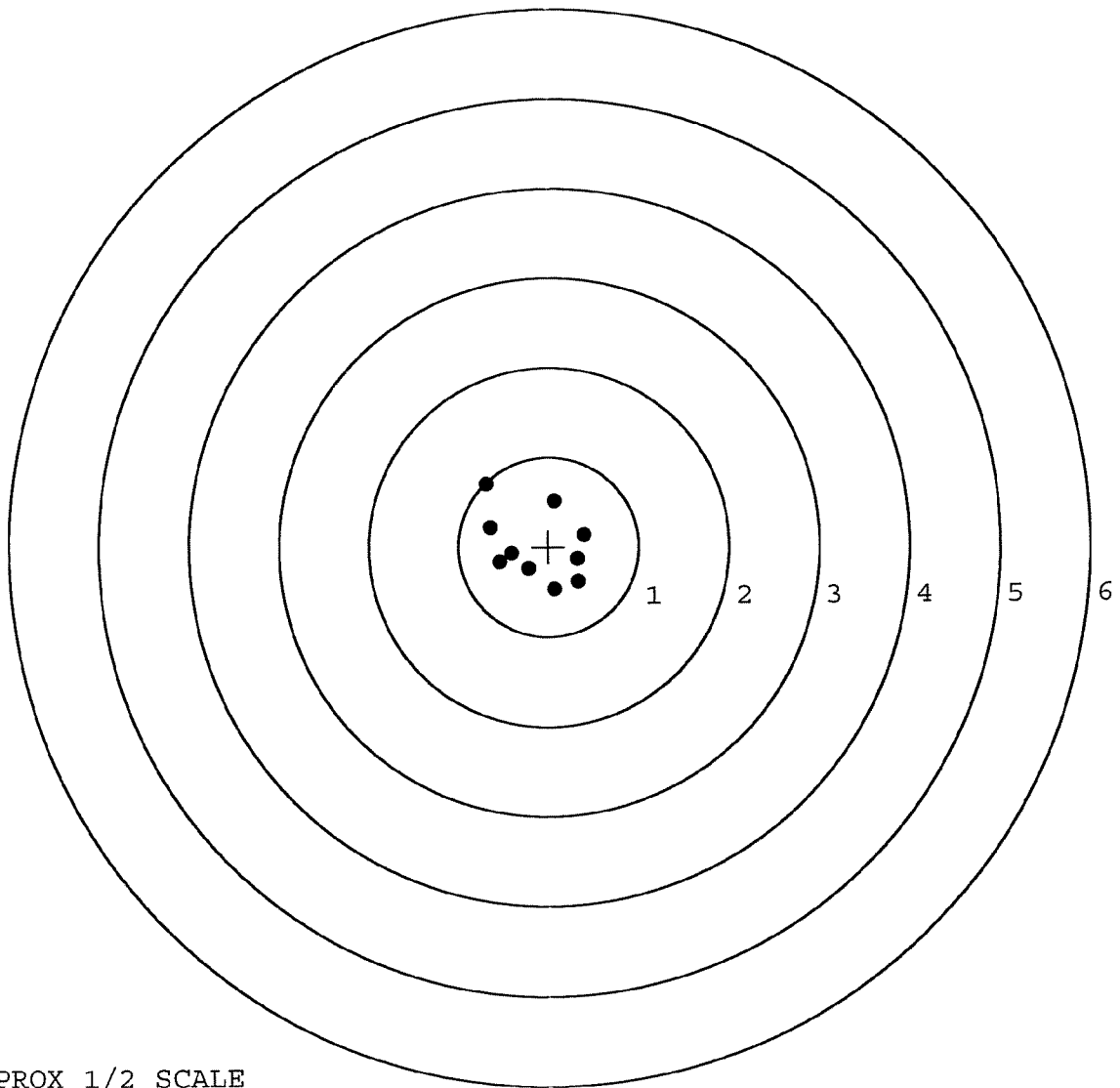


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498737.___0
TARGET NUMBER: 4
FILE DATE: 06/14/2006
FILE TIME: 16:23

X CENTROID: -0.132
Y CENTROID: 0.003
POA TO CENTROID: 0.132
HORZ SPREAD: 1.086
VERT SPREAD: 1.185
GROUP SPREAD: 1.497
MIN RADIUS: 0.266
MAX RADIUS: 0.892
MEAN RADIUS: 0.516
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.687	0.702
2:	-0.644	0.215
3:	0.070	0.508
4:	0.399	0.132
5:	-0.413	-0.074
6:	-0.545	-0.180
7:	-0.224	-0.247
8:	0.067	-0.483
9:	0.329	-0.397
10:	0.326	-0.146

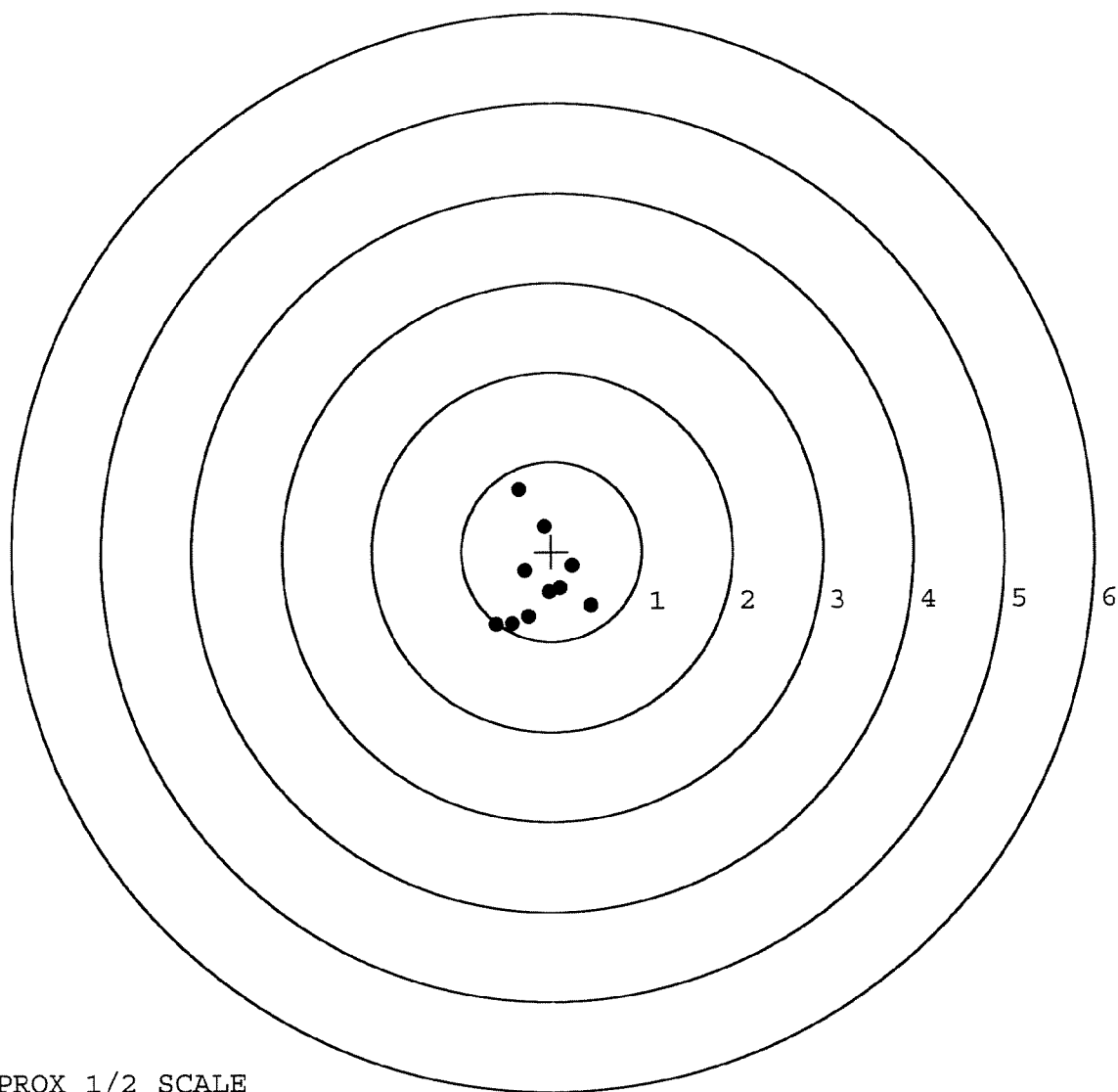


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498737. __0
TARGET NUMBER: 5
FILE DATE: 06/14/2006
FILE TIME: 16:23

X CENTROID: -0.133
Y CENTROID: -0.324
POA TO CENTROID: 0.350
HORZ SPREAD: 1.054
VERT SPREAD: 1.501
GROUP SPREAD: 1.523
MIN RADIUS: 0.167
MAX RADIUS: 1.037
MEAN RADIUS: 0.496
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.363	0.687
2:	-0.085	0.279
3:	0.227	-0.162
4:	-0.296	-0.219
5:	-0.033	-0.457
6:	0.096	-0.407
7:	0.436	-0.607
8:	-0.259	-0.729
9:	-0.434	-0.808
10:	-0.618	-0.814



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112657			
SERIAL NUMBER	C6498737			
LOG-IN DATE	5-22-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-5-06	RTZ
505	RE-BARREL		6-6-06	RTZ
560	ASSEMBLE		6-7-06	RTZ
600	PROOF	MAGNA - FLUX INSPECTED	6-7-06	TRW
605	CHECK HEADSPACE		6-7-06	RTZ
610	DIS-ASSEMBLE GUN	JUN 09 2006	6-7-06	RTZ
612	MAGNAFLUX	OPERATOR <u>APD</u>	6-9-06	APD
510	DRILL AND TAP		6-8-06	TRW
615	ROLLMARK CALIBER		6-9-06	CW
618	ROTO-BLAST		6-9-06	LB
620	APPLY COATINGS		6/13/06	BS
625	FINAL ASSEMBLY		6-14-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-14-06	L.P.D.
650	TARGET	PASS FAIL	6-14-06	L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-14-06	MTM
	A) HEADSPACE	PASS FAIL	6-14-06	MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.16 2.14 2.15 2.15 2.15 6-15-06	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.2 6.2 6.2 6-15-06	DA
	G) SAFETY OFF FORCE	2 LBS MIN	3.2 3.5 3.5 6-15-06	DA
	I) FIRING PIN INDENT	.020	1.025 1.025 1.025 6-15-06	DA
690	PACK		6-28-06	DA




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

MODEL 700™ H24

SERIAL NO.
C6498737

ORDER NO.
5716

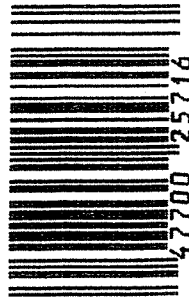
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Ø1



5716 C6498737

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498737

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2	90	RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	GS
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel <i>HB</i>		5/10/90	WLB
620	Apply Coatings (Barrel Action)		5-16-90	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/90	HL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 3/4			5/24/90	WB
	G) Safety Off Force	2	2	2			5/24/90	WB
	H) Trigger Pull Test & Retainability						5/24/90	JH
	I) Firing Pin Indent	.024	.025	.025			5/24/90	WB
	J) Assemble Stock						5/24/90	RW
	K) Assemble Swivel Studs						24 May 90	JH
	L) Attach Front and Rear Sight Assemblies						5/24/90	RW
	M) Iron Sight Alignment						5/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/24/90	RW
	O) Attach Scope to Rifle						5/24/90	WB
	P) Detach & Attach Scope 20 Times						5/24/90	WB
640	Gallery Target & Test						5-25-90	DH
	A) Time						5-25-90	DH
	B) Malfunctions						5-25-90	DH
	C) Pierced Primers						5-25-90	DH
	D) Optical Clarity of Scope						5-25-90	DH
645	Inspect for Live Ammo						5-25-90	DH
655	Final Inspection							
	A) Headspace						24 May 90	JH
	B) Trigger Pull	2.23	2.27	2.27	2.23	2.26	24 May 90	JH
	C) Function	2.29	2.39	2.41	2.40	2.35	24 May 90	JH
660	Pack						6-19-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. 06498737

DATE 5/24/90

TESTER gl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.60	2.35	2.29 2.13	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.34	2.40	2.11 2.39	
PULL #3	2.39	2.55	2.23	2.0 2.41	
PULL #4	2.35	2.37	2.20	2.13 2.40	
PULL #5	2.42	2.30	2.30	2.10 2.35	
TOTAL	11.89	12.16	11.48		
AVG.	2.378	2.432	2.296		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.41		
PULL #2	3.10	3.43		
PULL #3	3.26	3.40		
PULL #4	3.18	3.49		
PULL #5	3.28	3.55		
TOTAL	15.98	17.28		
AVG.	3.196	3.456		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.27		4.49
PULL #2	4.50	4.39		4.56
PULL #3	4.21	4.43		4.23
PULL #4	4.09	4.49		4.54
PULL #5	4.50	4.46		4.34
TOTAL	21.69	22.03		22.16
AVG.	4.338	4.406		4.432

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498737
29 May 1990

CENTROIDAL DISTANCES

0 TO	1	.444425
1 TO	2	.181221
1 TO	3	.247524
1 TO	4	.377001
1 TO	5	.421735

$\pm \frac{1}{2}^5$ <----POB

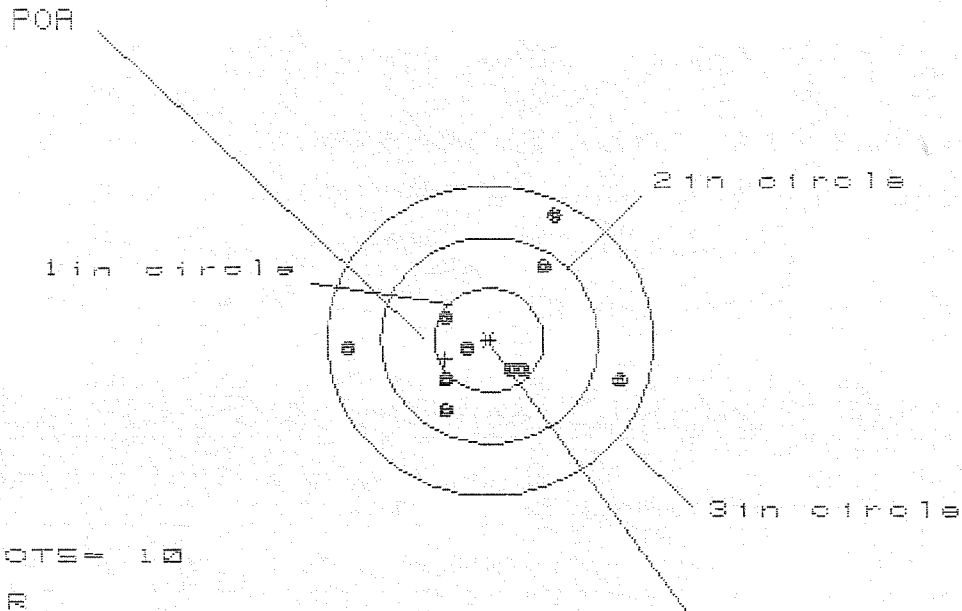
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4814
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0356
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .482715

THE AMR FOR THIS RIFLE IS: .8824

28 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498737

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.481

VS= 1.949

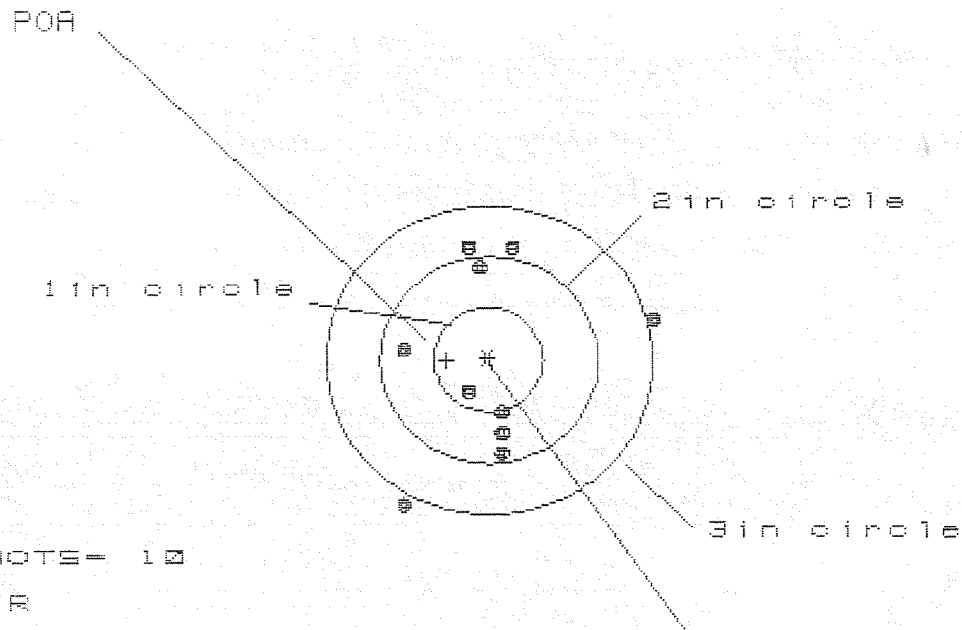
CS= 2.497

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.166	1.227	1.071
MINIMUM X	-1.315	-1.254	-.542
MAXIMUM Y	1.246	.860	.864
MINIMUM Y	-.703	-.564	-.560
CENTROID X	.405	.344	.500
CENTROID Y	.183	.044	.040
POA TO CENTROID in.	.444	.346	.502
MIN RADIUS	.202	.135	.185
MEAN RADIUS	.762	.665	.591
MAX RADIUS	1.363	1.254	1.098
HORIZONTAL SPREAD	2.481	2.481	1.613
VERTICAL SPREAD	1.949	1.424	1.424
EXTREME SPREAD	2.497	2.497	1.729
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

28 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498737

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.319

VS= 2.551

ES= 2.924

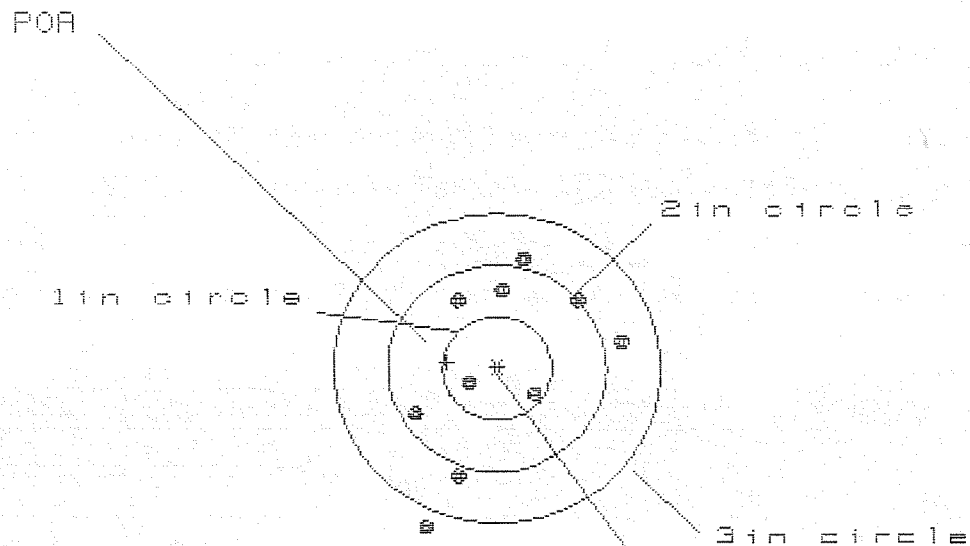
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.505	1.419	.266
MINIMUM X	:	-.814	-.900	-.723
MAXIMUM Y	:	1.136	.979	1.011
MINIMUM Y	:	-1.415	-1.050	-1.018
CENTROID X	:	.384	.470	.293
CENTROID Y	:	.003	.160	.128
POA TO CENTROID in.	:	.384	.497	.319
MIN RADIUS	:	.343	.521	.411
MEAN RADIUS	:	.964	.906	.811
MAX RADIUS	:	1.613	1.442	1.041
HORIZONTAL SPREAD	:	2.319	2.319	.989
VERTICAL SPREAD	:	2.551	2.029	2.029
EXTREME SPREAD	:	2.924	2.337	2.048
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

28 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B737

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 1.876

VS = 2.640

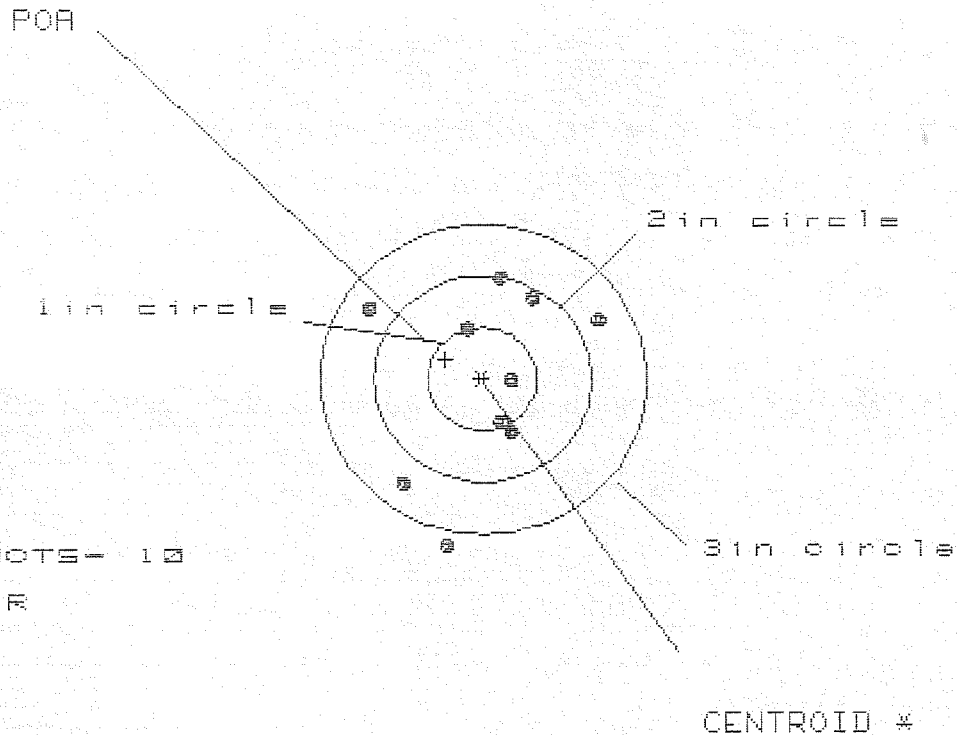
GS = 2.787

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.132	1.054	.793
MINIMUM X	:	-.744	-.822	-.690
MAXIMUM Y	:	1.063	.888	.904
MINIMUM Y	:	-1.576	-1.257	-1.241
CENTROID X	:	.457	.535	.483
CENTROID Y	:	-.059	.116	.100
POA TO CENTROID in.	:	.461	.547	.415
MIN RADIUS	:	.333	.443	.405
MEAN RADIUS	:	.929	.824	.786
MAX RADIUS	:	1.725	1.343	1.287
HORIZONTAL SPREAD	:	1.876	1.876	1.483
VERTICAL SPREAD	:	2.640	2.145	2.145
EXTREME SPREAD	:	2.797	2.232	2.232
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B737

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.135

VS= 2.524

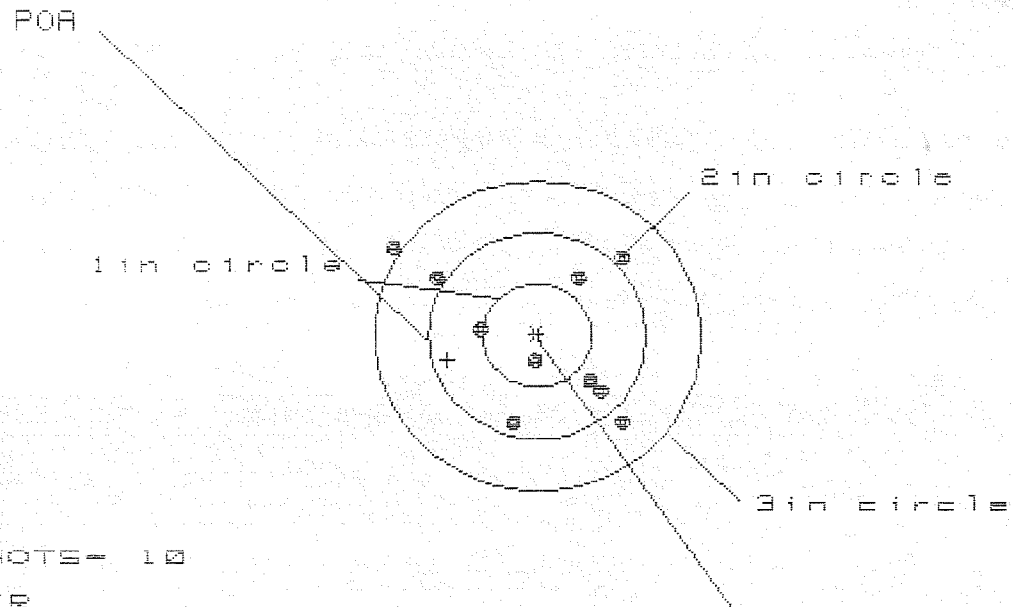
GS= 2.581

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.097	1.060	.958
MINIMUM X	:	-1.038	-1.075	-1.177
MAXIMUM Y	:	.961	.787	.637
MINIMUM Y	:	-1.563	-1.199	-.846
CENTROID X	:	.338	.375	.477
CENTROID Y	:	-.188	-.014	.136
POA TO CENTROID in.	:	.387	.375	.496
MIN RADIUS	:	.227	.292	.379
MEAN RADIUS	:	.902	.811	.715
MAX RADIUS	:	1.597	1.451	1.246
HORIZONTAL SPREAD	:	2.135	2.135	2.135
VERTICAL SPREAD	:	2.524	1.986	1.483
EXTREME SPREAD	:	2.581	2.476	2.148
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B737

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 3

HS= 2.133

VS= 1.704

GS= 2.686

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.803	.655	.699
MINIMUM X	-1.330	-1.036	-.954
MAXIMUM Y	.830	.837	.748
MINIMUM Y	-.874	-.781	-.870
CENTROID X	.823	.971	.889
CENTROID Y	.239	.146	.235
POA TO CENTROID in.	.857	.982	.919
MIN RADIUS	.192	.182	.201
MEAN RADIUS	.855	.749	.727
MAX RADIUS	1.568	1.248	1.131
HORIZONTAL SPREAD	2.133	1.691	1.653
VERTICAL SPREAD	1.704	1.618	1.618
EXTREME SPREAD	2.686	2.200	1.890
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		