

05348827

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5715

* Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00089041

Serial: C6348827 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 12/6/2004 7:41:45 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

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
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope W/CASE	1
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naqlstj

12/6/2004

8:55 AM

CAPS

NUM

INS

SCPL

start

2

Arms Servi

2

2

2

81

81

Serial Number: C6348827

Model: M24 SWS



RE00089041

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 1-3-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.33	2.36		2.23	
PULL #2	2.34	2.37		2.23	
PULL #3	2.53	2.25		2.25	
PULL #4	2.54	2.24		2.20	
PULL #5	2.52	2.25		2.18	
TOTAL	12.26	11.47		11.09	
AVERAGE	2.45	2.29		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.11		
PULL #2	3.08	3.16		
PULL #3	3.21	3.17		
PULL #4	3.22	3.13		
PULL #5	3.26	3.09		
TOTAL	15.90	15.66		
AVERAGE	3.18	3.13		

	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	4.21	4.03		4.42
PULL #2	4.11	3.96		4.50
PULL #3	4.09	4.06		4.45
PULL #4	4.15	3.99		4.54
PULL #5	4.15	4.03		4.57
TOTAL	20.71	20.07		22.48
AVERAGE	4.14	4.01		4.49

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348827.___0
FILE DATE AND TIME: 01/12/2005 11:12

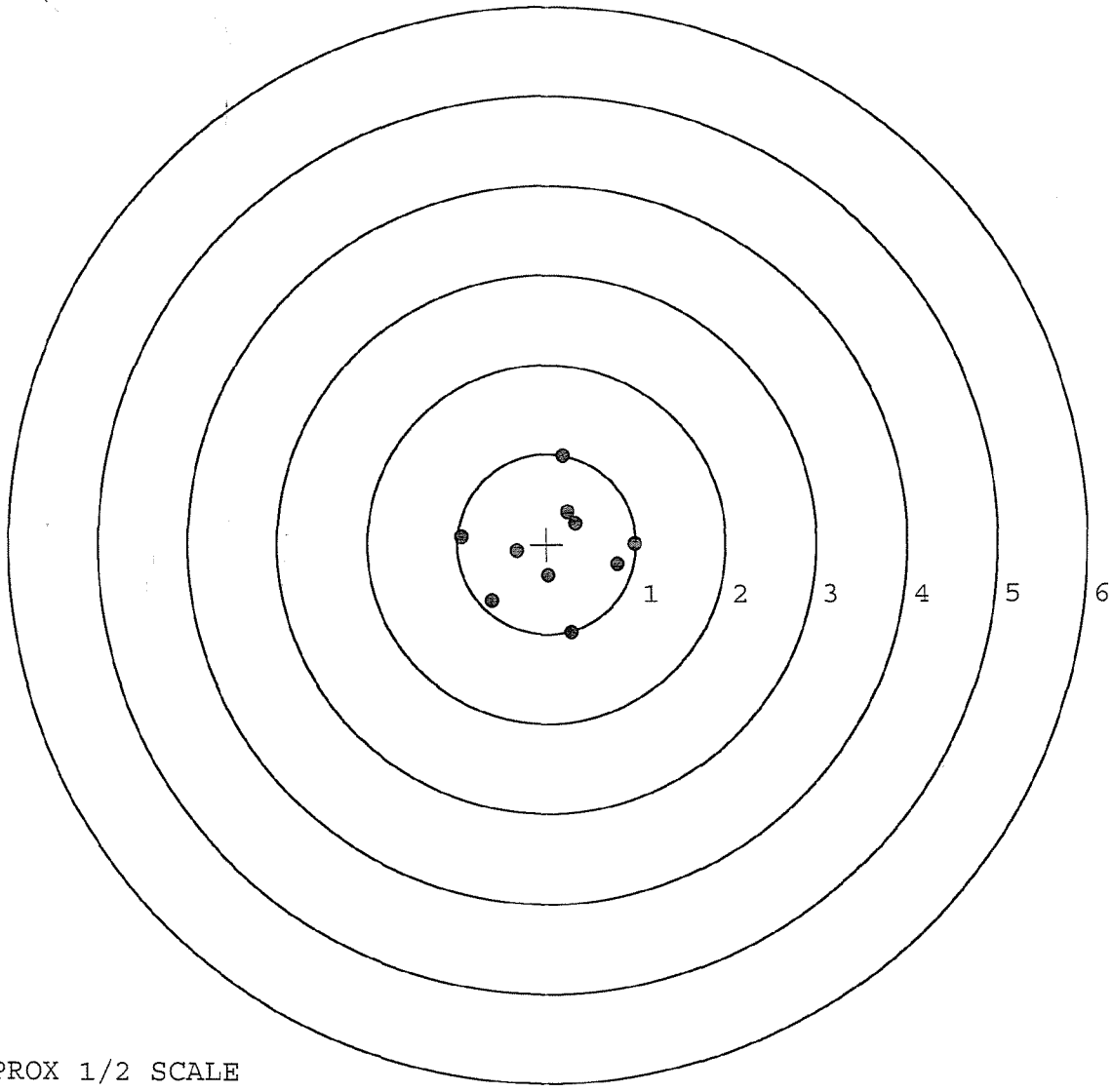
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.012
The Average Y Centroid of the Five Target Set:	-0.010
The Average Point of Impact of the Five Target Set:	0.016
The Average Mean Radius of the Five Target Set:	0.637
The Distance from POA to Centroid Target #1:	0.108
The Distance from Centroid Target #2 to Centroid Target #1:	0.137
The Distance from Centroid Target #3 to Centroid Target #1:	0.172
The Distance from Centroid Target #4 to Centroid Target #1:	0.116
The Distance from Centroid Target #5 to Centroid Target #1:	0.232

SERIAL NUMBER: C6348827. __0
TARGET NUMBER: 1
FILE DATE: 01/12/2005
FILE TIME: 11:12

POINT#	X	Y
1:	0.277	-0.981
2:	0.788	-0.221
3:	0.989	0.002
4:	0.319	0.230
5:	0.230	0.359
6:	0.016	-0.351
7:	-0.336	-0.083
8:	-0.618	-0.635
9:	-0.952	0.079
10:	0.174	0.984

X CENTROID: 0.089
Y CENTROID: -0.062
POA TO CENTROID: 0.108
HORZ SPREAD: 1.941
VERT SPREAD: 1.965
GROUP SPREAD: 1.943
MIN RADIUS: 0.298
MAX RADIUS: 1.050
MEAN RADIUS: 0.711
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

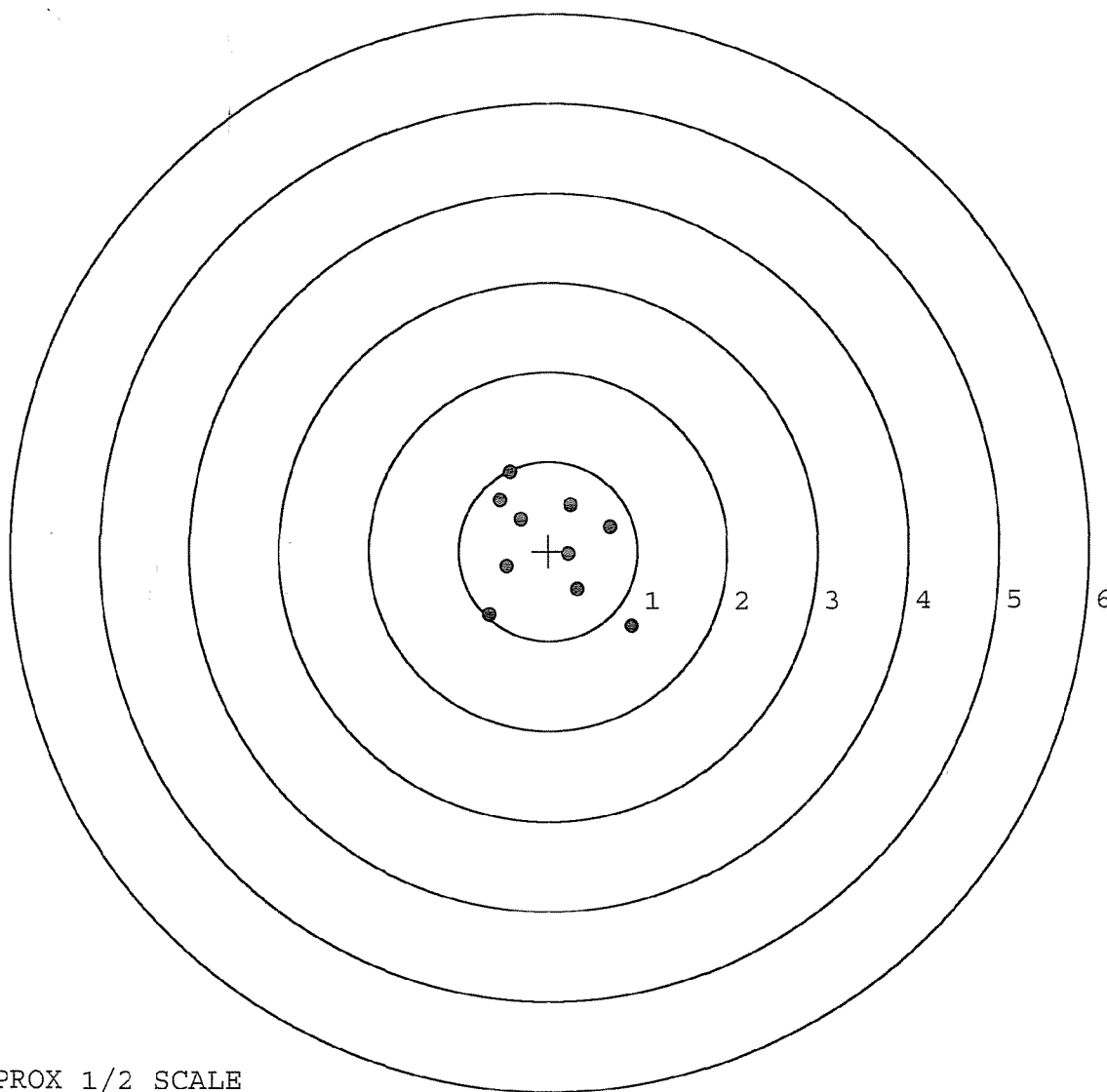


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. __0
TARGET NUMBER: 2
FILE DATE: 01/12/2005
FILE TIME: 11:12

POINT#	X	Y
1:	0.927	-0.836
2:	0.324	-0.430
3:	0.224	-0.037
4:	0.685	0.271
5:	0.245	0.520
6:	-0.430	0.885
7:	-0.553	0.569
8:	-0.314	0.355
9:	-0.470	-0.178
10:	-0.666	-0.713

X CENTROID: -0.003
Y CENTROID: 0.041
POA TO CENTROID: 0.041
HORZ SPREAD: 1.593
VERT SPREAD: 1.721
GROUP SPREAD: 2.192
MIN RADIUS: 0.240
MAX RADIUS: 1.278
MEAN RADIUS: 0.703
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

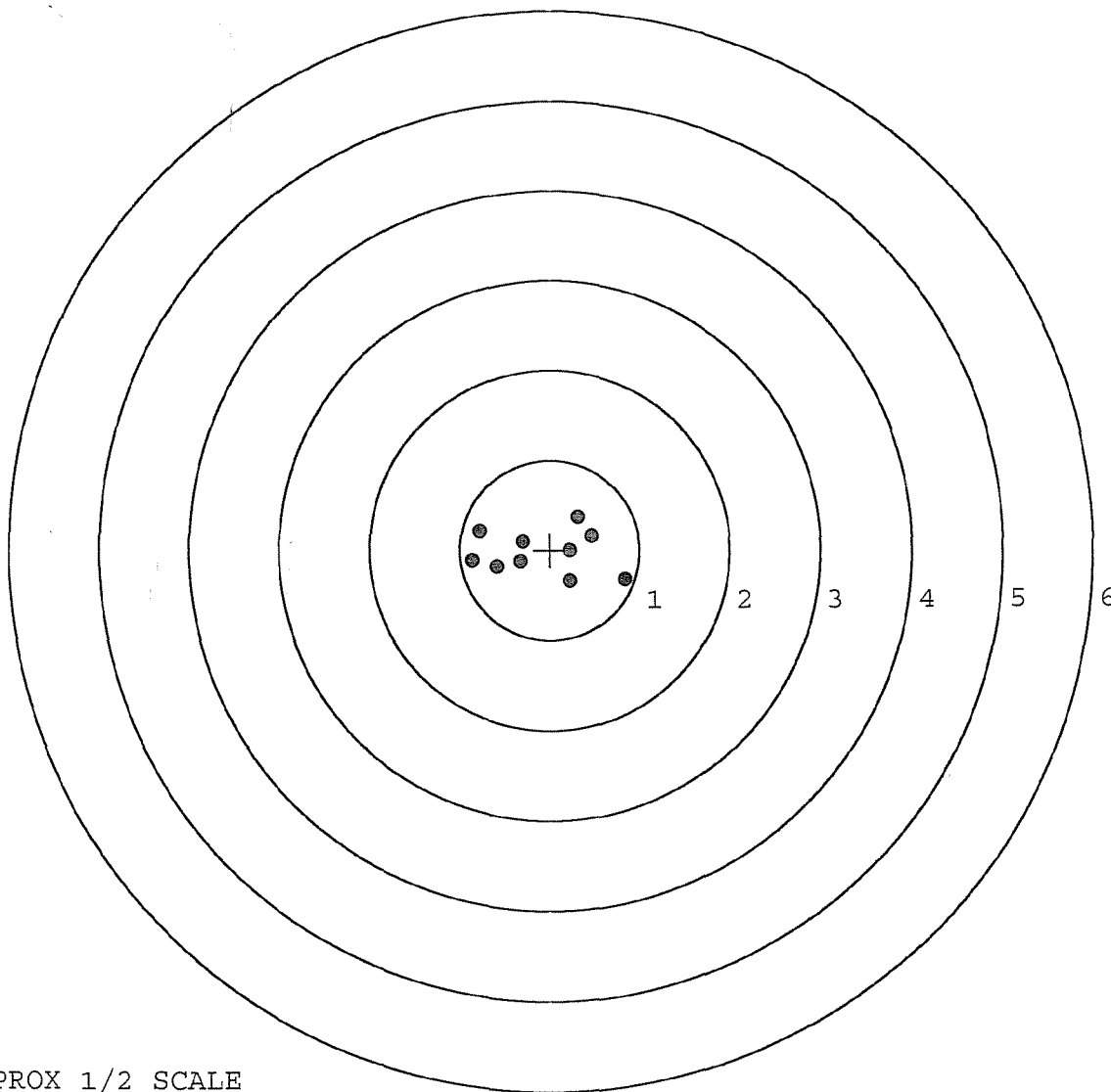


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. __0
TARGET NUMBER: 3
FILE DATE: 01/12/2005
FILE TIME: 11:12

X CENTROID: -0.080
Y CENTROID: -0.030
POA TO CENTROID: 0.086
HORZ SPREAD: 1.700
VERT SPREAD: 0.718
GROUP SPREAD: 1.712
MIN RADIUS: 0.253
MAX RADIUS: 0.965
MEAN RADIUS: 0.544
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.837	-0.329
2:	0.224	-0.350
3:	0.223	-0.008
4:	0.473	0.159
5:	0.309	0.368
6:	-0.301	0.094
7:	-0.331	-0.127
8:	-0.591	-0.193
9:	-0.863	-0.125
10:	-0.781	0.210



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. 0

TARGET NUMBER: 4

FILE DATE: 01/12/2005

FILE TIME: 11:12

X CENTROID: -0.012

Y CENTROID: -0.121

POA TO CENTROID: 0.121

HORZ SPREAD: 2.366

VERT SPREAD: 1.045

GROUP SPREAD: 2.382

MIN RADIUS: 0.199

MAX RADIUS: 1.463

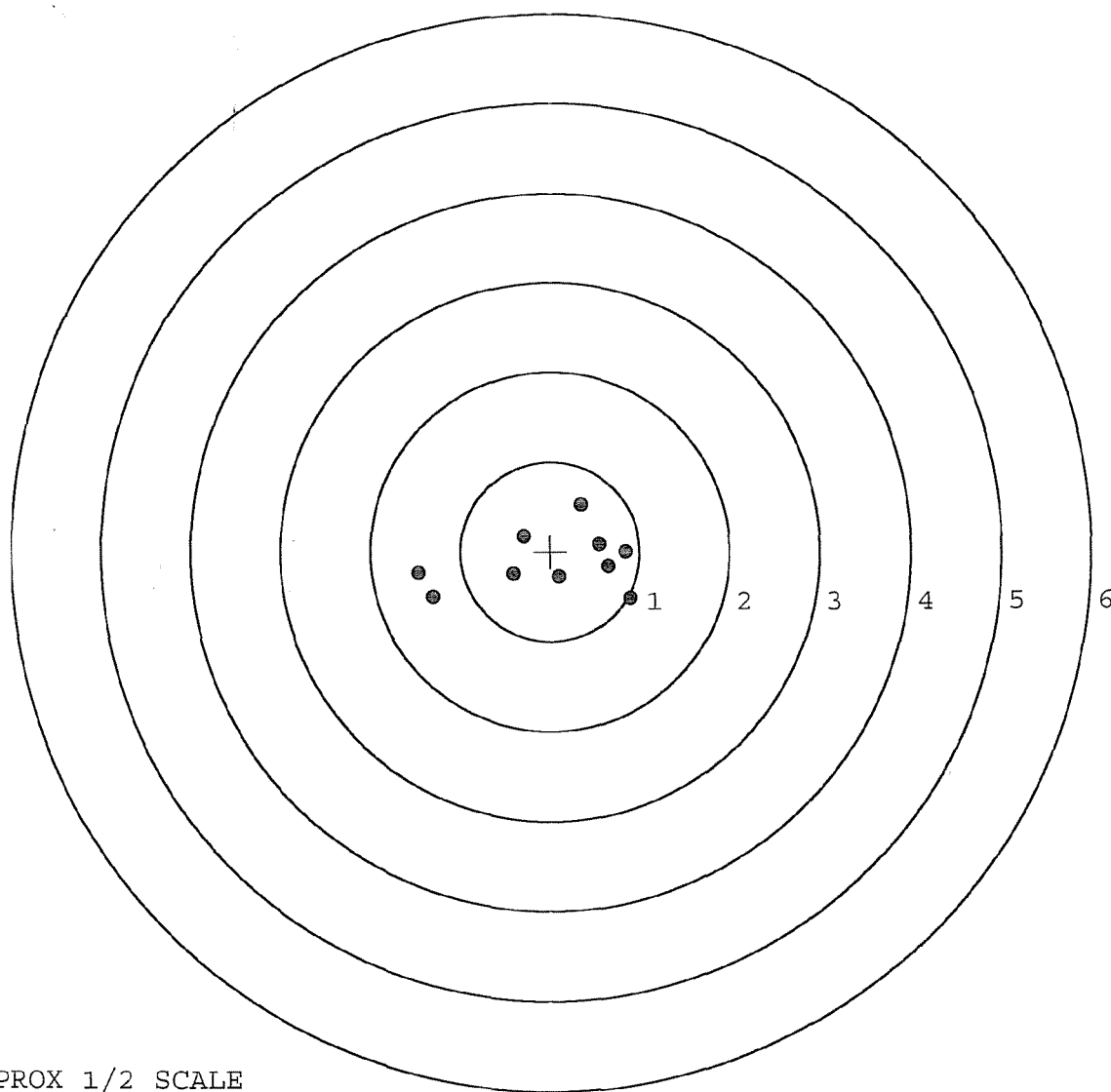
MEAN RADIUS: 0.771

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.897	-0.519
2:	0.343	0.526
3:	0.100	-0.286
4:	-0.299	0.170
5:	-1.469	-0.246
6:	-1.312	-0.513
7:	-0.418	-0.252
8:	0.842	-0.006
9:	0.548	0.080
10:	0.653	-0.161

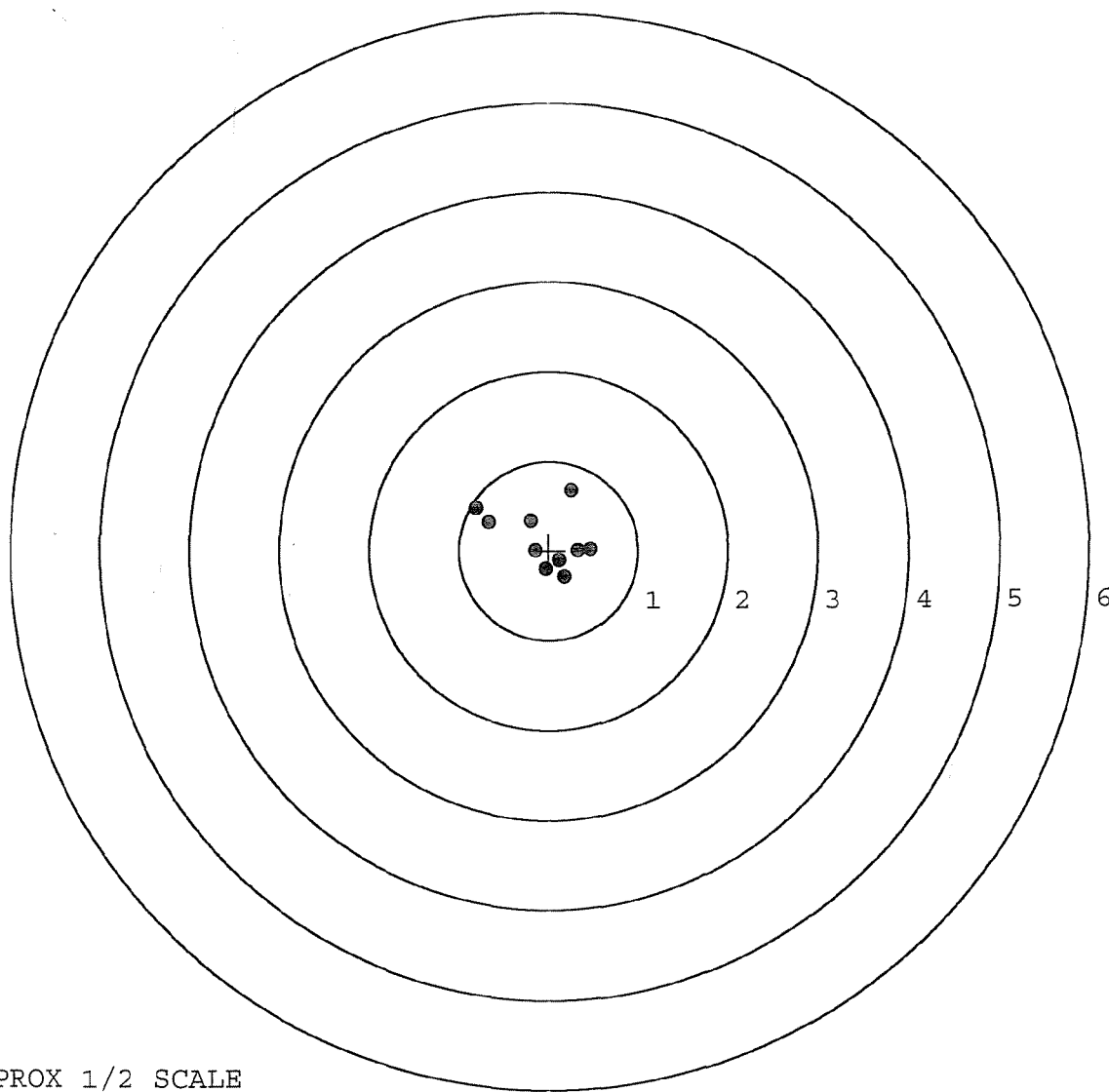


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. __0
TARGET NUMBER: 5
FILE DATE: 01/12/2005
FILE TIME: 11:12

X CENTROID: -0.055
Y CENTROID: 0.121
POA TO CENTROID: 0.133
HORZ SPREAD: 1.285
VERT SPREAD: 0.972
GROUP SPREAD: 1.366
MIN RADIUS: 0.153
MAX RADIUS: 0.839
MEAN RADIUS: 0.457
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.250	0.676
2:	-0.209	0.337
3:	-0.814	0.479
4:	-0.674	0.315
5:	0.471	0.016
6:	0.327	0.001
7:	-0.153	0.003
8:	-0.037	-0.211
9:	0.174	-0.296
10:	0.115	-0.111



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	89041		
SERIAL NUMBER	C 6348827		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-8-04	AC
560 A	RE-BARREL	12-15-04	RTL
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTL
600	PROOF	12-16-04	RTL
605	CHECK HEADSPACE	12-16-04	RTL
610	DIS-ASSEMBLE GUN	12-27-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-10-05	RTL
B	TRIGGER PULL TEST	1-13-05	
C	SAFETY "ON" FORCE	1-13-05	
D	SAFETY "OFF" FORCE	1-13-05	
E	FIRING PIN INDENT	1-13-05	
640	TARGET	1-12-05	TRW
655	FINAL INSPECT	1-13-05	AC
660	PACK	3-1-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 95-10970

INITIAL CUSTOMER ORDER NO.

FJB

W/10X SCOPE SNIPER W/DEPLOYMENT KIT
ATTN: FRED MARTIN *SCOPE S/N 90 1061*

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

03/30/95

03/31/95

WJ 8-89

C6348827

700 7.62

NATO

ACCESSORIES

SLING STRAP

SCOPE MNTS

SCOPE BASE

HARD CASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

☐ NEW☐ LIGHTLY WORN☐ WORN☐ VERY WORN☐ UNREPAIRABLE☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

*New Barrel**Stock, Firing Pin Assy**Trig. assy**Front & Rear Sight Assy*

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400039255

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6348827

DATE 7-10-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.30	2.44	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.46	2.74	
PULL #3	2.22	2.50	2.73	
PULL #4	2.44	2.50	2.48	
PULL #5	2.45	2.68	2.55	
TOTAL	11.91	12.58	12.87	
AVG.	2.38	2.51	2.57	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.13	3.06	
PULL #2	3.09	3.09	
PULL #3	3.16	3.14	
PULL #4	3.00	2.97	
PULL #5	3.18	3.09	
TOTAL	15.56	15.37	
AVG.	3.11	3.07	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.14		4.34
PULL #2	4.18	4.14		4.35
PULL #3	4.02	3.87		4.29
PULL #4	4.26	4.00		4.48
PULL #5	4.00	3.92		4.31
TOTAL	20.69	20.07		21.77
AVG.	4.13	4.01		4.35

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607.	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7.5	7.5			8/1	SF
	G) Safety Off Force	4	3.5	4			8/2	SF
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0215	.0215	.021			8/2	SF
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.45	2.37	2.42	2.45	2.31	8/1/96	SF
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349827
11 Jan 1980

CENTROIDAL DISTANCES

0 TO 1	.321025
1 TO 2	.526955
1 TO 3	.052
1 TO 4	.451691
1 TO 5	.270298

$\bar{x} = .0884$ $\bar{y} = -.0294$ $\bar{r} = .0931607$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0884
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0294
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0931607
THE AMR FOR THIS RIFLE IS: .9306

10 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348827

CENTERFIRE PATTERNS

1

FOR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 8

ME- 2.022

VC- 3.682

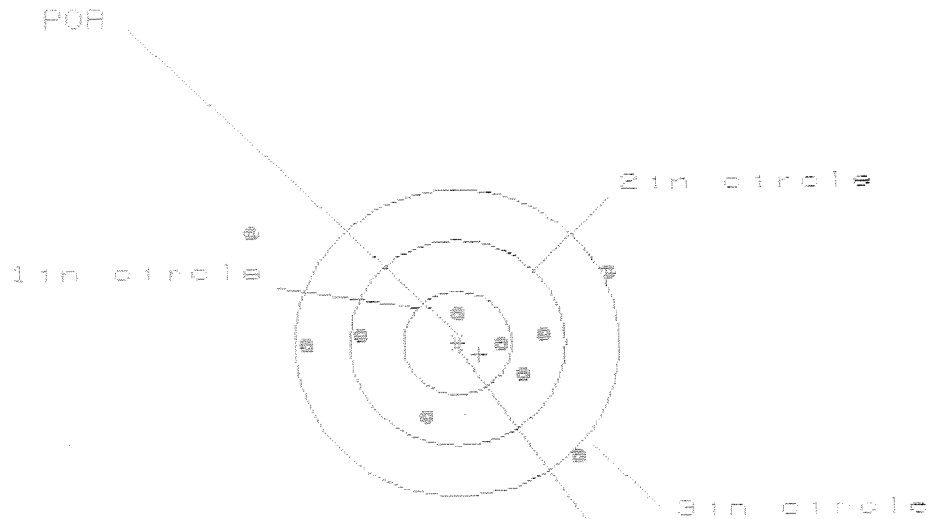
GS- 3.698

PATTERN #	:	1		
SHOTS (BEST OF)	:	10		8
MAXIMUM X	:	1.771		1.852
MINIMUM X	:	-1.341		-1.170
MAXIMUM Y	:	2.111		1.020
MINIMUM Y	:	-1.411		-1.887
CENTROID X	:	.311	.240	.193
CENTROID Y	:	.836	.136	-.102
FOR TO CENTROID in.	:	.331	.335	.218
MIN RADIUS	:	.314	.269	.389
MEAN RADIUS	:	1.009	.815	.781
MAX RADIUS	:	2.487	1.221	1.176
HORIZONTAL SPREAD	:	2.022	2.022	2.022
VERTICAL SPREAD	:	3.682	2.171	1.907
EXTREME SPREAD	:	3.698	2.240	2.064
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348827

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.277

VS= 2.153

GS= 3.658

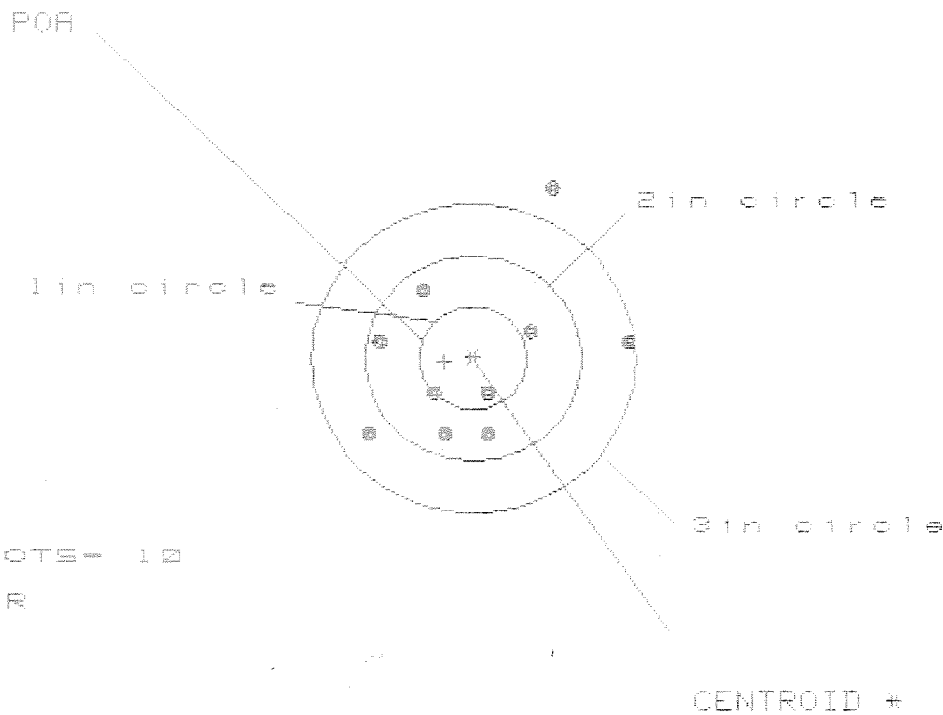
CENTROID #

PATTERN #	2	3
SHOTS (BEST OF)	10	9
MAXIMUM X	1.055	1.055
MINIMUM X	-1.419	-1.419
MAXIMUM Y	1.064	1.064
MINIMUM Y	-1.080	-1.080
CENTROID X	-.262	-.262
CENTROID Y	.115	.115
POA TO CENTROID in.	.233	.233
MIN RADIUS	.369	.369
MEAN RADIUS	1.052	1.052
MAX RADIUS	2.133	2.133
HORIZONTAL SPREAD	3.277	3.277
VERTICAL SPREAD	2.153	2.153
EXTREME SPREAD	3.658	3.658
NUMBER IN ONE INCH CIRCLE =	2	2
NUMBER IN TWO INCH CIRCLE =	6	6
NUMBER IN THREE INCH CIRCLE =	7	7

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348827

CENTERFIRE PATTERNS # 3



OF SHOTS- 12

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.351

VS= 2.393

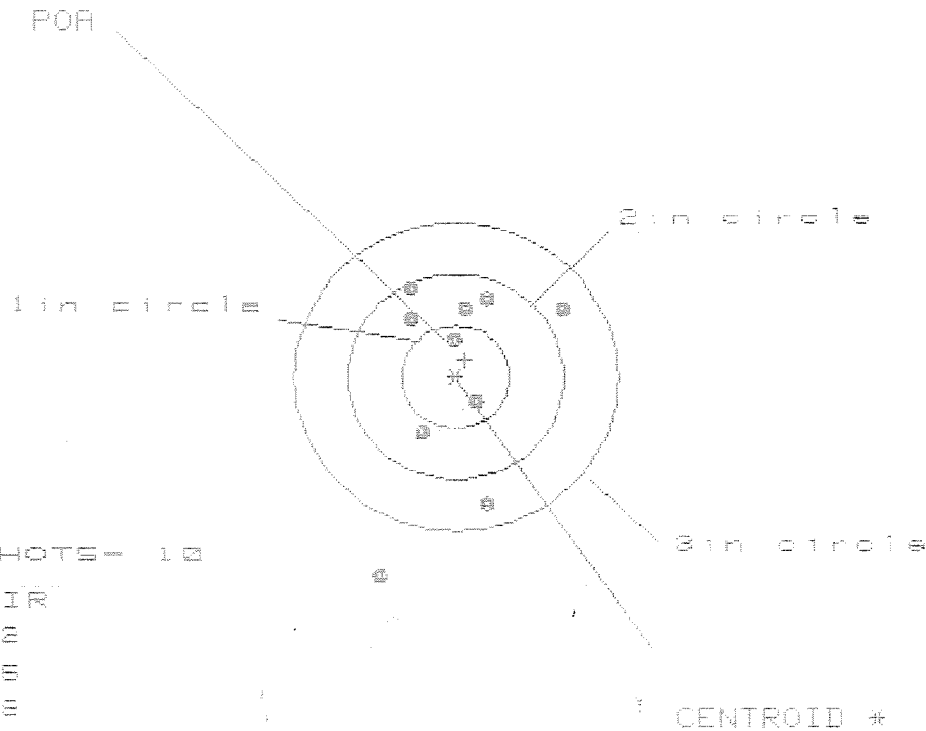
GS= 2.900

PATTERN #	1	2	3
SHOTS (BEST OF)	10	10	8
MAXIMUM X			.845
MINIMUM X			-.697
MAXIMUM Y			.914
MINIMUM Y			-.514
CENTROID X	.281	.188	.004
CENTROID Y	.036	.140	-.186
POA TO CENTROID in.	.260	.239	.186
MIN RADIUS	.407	.302	.161
MEAN RADIUS	.918	.772	.654
MAX RADIUS	1.003	1.501	.964
HORIZONTAL SPREAD	2.351	2.351	1.542
VERTICAL SPREAD	2.393	1.428	1.428
EXTREME SPREAD	2.900	2.494	1.814
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06346827

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HE= 1.723

VS= 2.807

GS= 3.104

CENTROID *

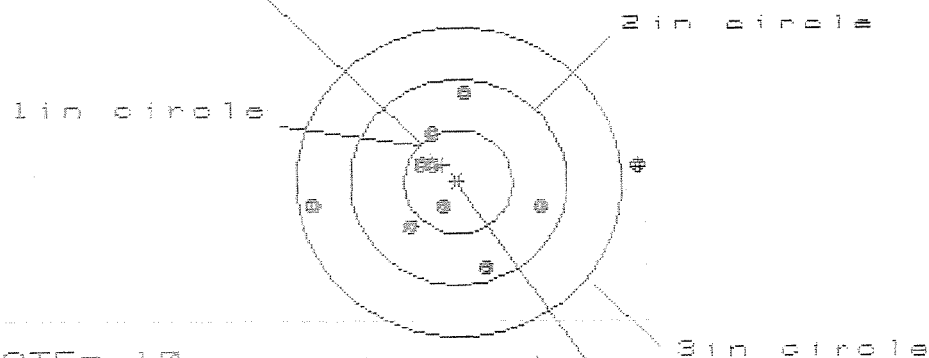
PATTERN #	:	4	:	6
SHOTS (BEST OF)	:		:	
MAXIMUM X	:		:	.950
MINIMUM X	:		:	-.503
MAXIMUM Y	:		:	.508
MINIMUM Y	:	1.904	:	-.913
CENTROID X	:	-.086	:	-.036
CENTROID Y	:	-.164	:	.231
POA TO CENTROID in.	:	.185	:	.234
MIN RADIUS	:	.293	:	.096
MEAN RADIUS	:	.900	:	.579
MAX RADIUS	:	2.037	:	.991
HORIZONTAL SPREAD	:	1.723	:	1.453
VERTICAL SPREAD	:	2.807	:	1.421
EXTREME SPREAD	:	3.104	:	1.786
NUMBER IN ONE INCH CIRCLE	:	=	:	2
NUMBER IN TWO INCH CIRCLE	:	=	:	6
NUMBER IN THREE INCH CIRCLE	:	=	:	9

Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8348827

CENTERFIRE PATTERNS # 5

POR



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.972

VS= 1.699

GS= 2.994

CENTROID *

PATTERN #	SHOTS (BEST OF)	MAXIMUM X	MINIMUM X	MAXIMUM Y	MINIMUM Y	CENTROID X	CENTROID Y	POR TO CENTROID in.	MIN RADIUS	MEAN RADIUS	MAX RADIUS	HORIZONTAL SPREAD	VERTICAL SPREAD	EXTREME SPREAD	NUMBER IN ONE INCH CIRCLE =	NUMBER IN TWO INCH CIRCLE =	NUMBER IN THREE INCH CIRCLE =
5	8	.846	-.411	.884	-.815	.042	-.189	.193	.294	.774	1.683	2.972	1.699	2.994	3	8	9




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

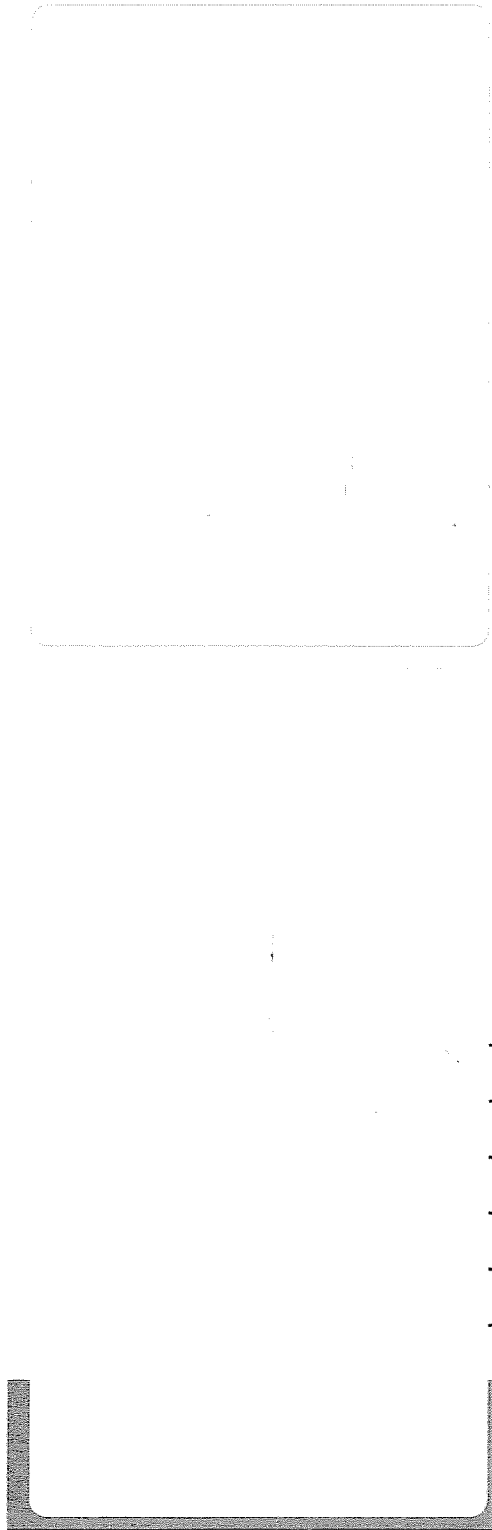
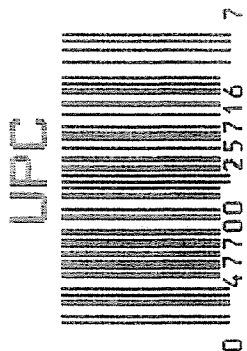
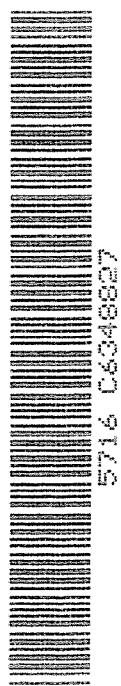
MODEL 700TM H24

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

SERIAL NO.
06348827

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348827

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber		8/31/89	KCR
7	Drill and Tap Sight Holes	9 1	89	YB
618	Polish Barrel RB	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		9/6/89	DW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/6/89	DW
	C) Inspect Ejector Hole for Chamfer		9/26/89	DW
	D) Oil Firing Pin Ass'y		9/26/89	DW
	E) Adjust Trigger Pull to Min Setting and Stake		26 Sept 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/26/89	JS
	G) Safety Off Force	4	4	4			9/26/89	JS
	H) Trigger Pull Test & Retainability						26 Sep 89	JS
	I) Firing Pin Indent	.0215	.0215	.021			9/24/89	JS
	J) Assemble Stock						9/27/89	RW
	K) Assemble Swivel Studs						29 Sep 89	JS
	L) Attach Front and Rear Sight Assemblies						9/27/89	RW
	M) Iron Sight Alignment						9/27/89	RW
	N) Detach Front & Rear Sights & place in numbered container						9/27/89	RW
	O) Attach Scope to Rifle						9/27/89	JS
	P) Detach & Attach Scope 20 Times						9/27/89	JS
640	Gallery Target & Test						9-28-89	DH
	A) Time						9-28-89	DH
	B) Malfunctions						9-28-89	DH
	C) Pierced Primers						9-28-89	DH
	D) Optical Clarity of Scope						9-28-89	DH
645	Inspect for Live Ammo						9-28-89	DH
655	Final Inspection							
	A) Headspace						29 Sep 89	JS
	B) Trigger Pull	244	242	253	264	261	29 Sep 89	JS
	C) Function						29 Sep 89	JS
660	Pack						15 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CG39 8827

DATE 13 March 90

TESTER JDS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	232	225		244	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	232	232		240	
PULL #3	232	233		240	
PULL #4	230	231		235	
PULL #5	231	230		238	
TOTAL	1157	1151			
AVG.	231.4	230.2			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	290	292		
PULL #2	296	294		
PULL #3	295	294		
PULL #4	300	292		
PULL #5	298	298		
TOTAL	1479	1470		
AVG.	295.8	294.0		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	419	414		
PULL #2	413	406		
PULL #3	414	405		
PULL #4	408	410		
PULL #5	414	406		
TOTAL	2068	2041		
AVG.	413.6	408.2		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348827
28 Sep 1989

CENTROIDAL DISTANCES

0 TO	1	.201777
1 TO	2	.461736
1 TO	3	.608741
1 TO	4	.547877
1 TO	5	.369543

2
3
4

-----FOR

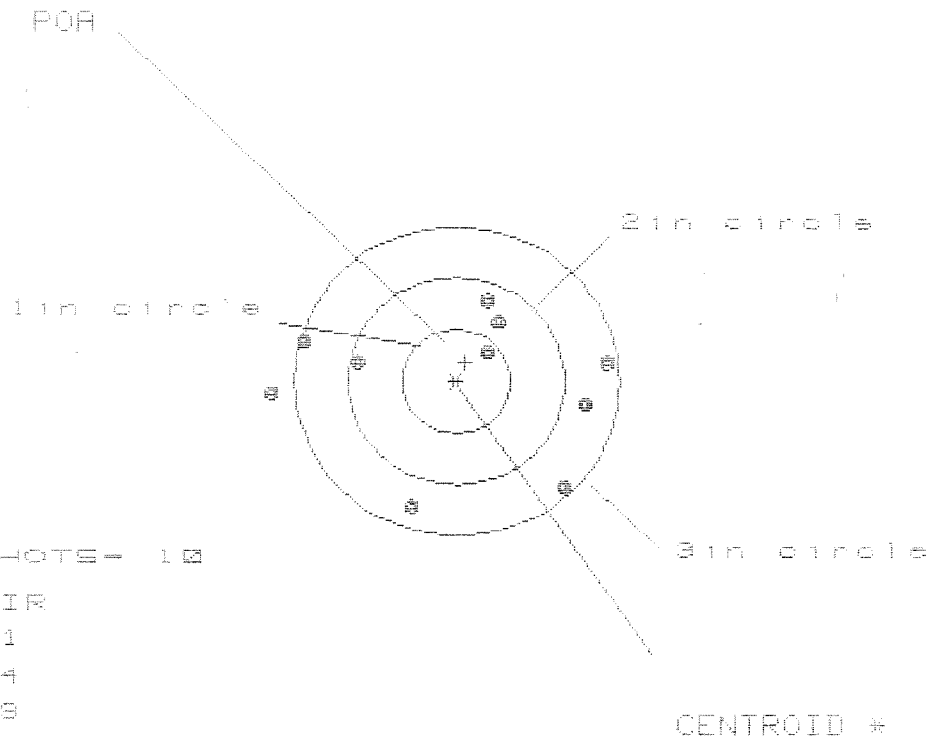
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3988
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3896
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .58487
THE AMR FOR THIS RIFLE IS: 1.152

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340827

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1:0 = 1

2:0 = 4

3:0 = 9

HS= 3.036

VS= 1.993

GS= 3.054

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.358

1.172

.973

MINIMUM X

:

-1.678

-1.586

-1.310

MAXIMUM Y

:

.821

.805

.850

MINIMUM Y

:

-1.172

-1.188

-1.143

CENTROID X

:

-.085

.101

.299

CENTROID Y

:

-.183

-.167

-.212

POA TO CENTROID in.:

.201

.195

.367

MIN RADIUS

:

.457

.337

.360

MEAN RADIUS

:

1.129

1.034

.938

MAX RADIUS

:

1.684

1.628

1.408

HORIZONTAL SPREAD

:

3.036

2.758

2.284

VERTICAL SPREAD

:

1.993

1.993

1.993

EXTREME SPREAD

:

3.054

2.764

2.284

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

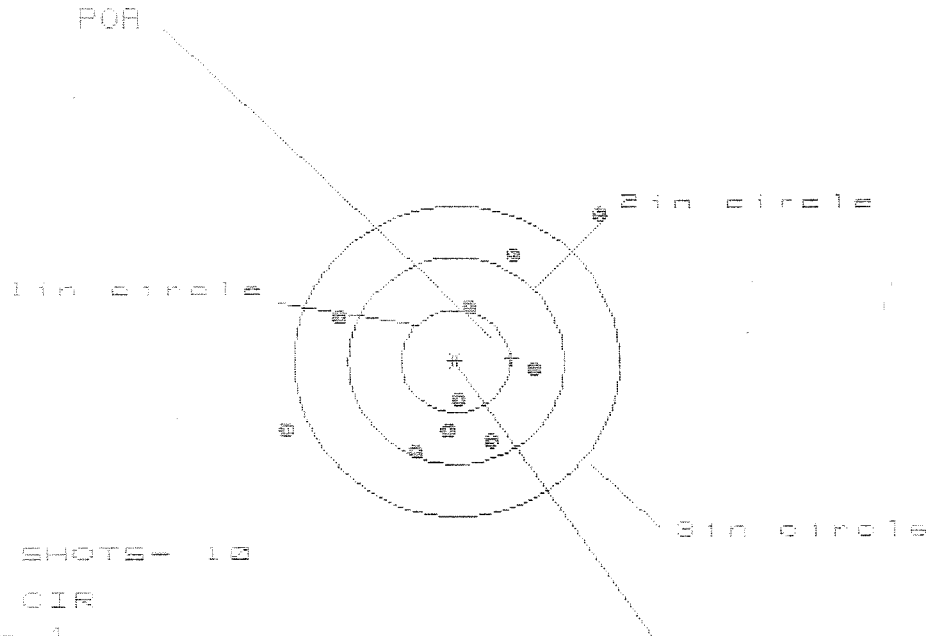
NUMBER IN THREE INCH CIRCLE =

9

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348827

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS= 2.894

VS= 2.297

GS= 3.568

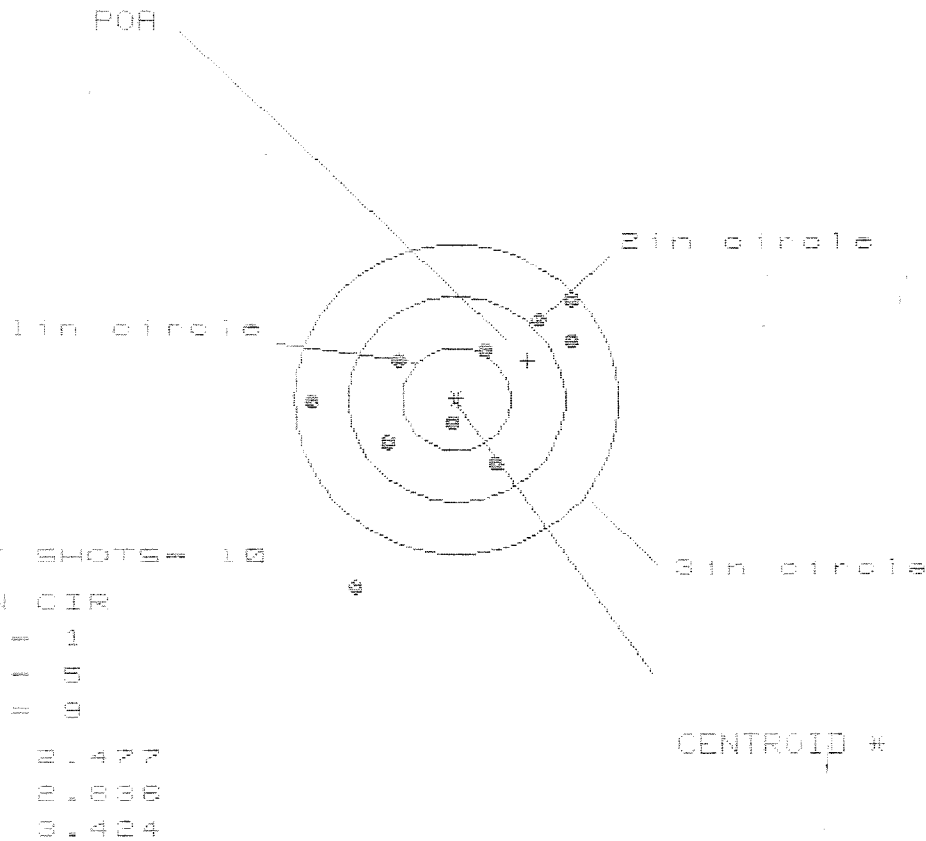
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.344	.874	.699
MINIMUM X	-1.550	-1.400	-1.096
MAXIMUM Y	1.428	1.194	1.133
MINIMUM Y	-.869	-.711	-.772
CENTROID X	-.521	-.671	-.496
CENTROID Y	-.831	-.189	-.128
POA TO CENTROID in.	.522	.697	.512
MID RADIUS	.367	.242	.273
MEAN RADIUS	1.004	.870	.779
MAX RADIUS	1.961	1.482	1.254
HORIZONTAL SPREAD	2.894	2.274	1.795
VERTICAL SPREAD	2.297	1.905	1.905
EXTREME SPREAD	3.568	2.700	2.127
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348827

CENTERFIRE PATTERNS # 3

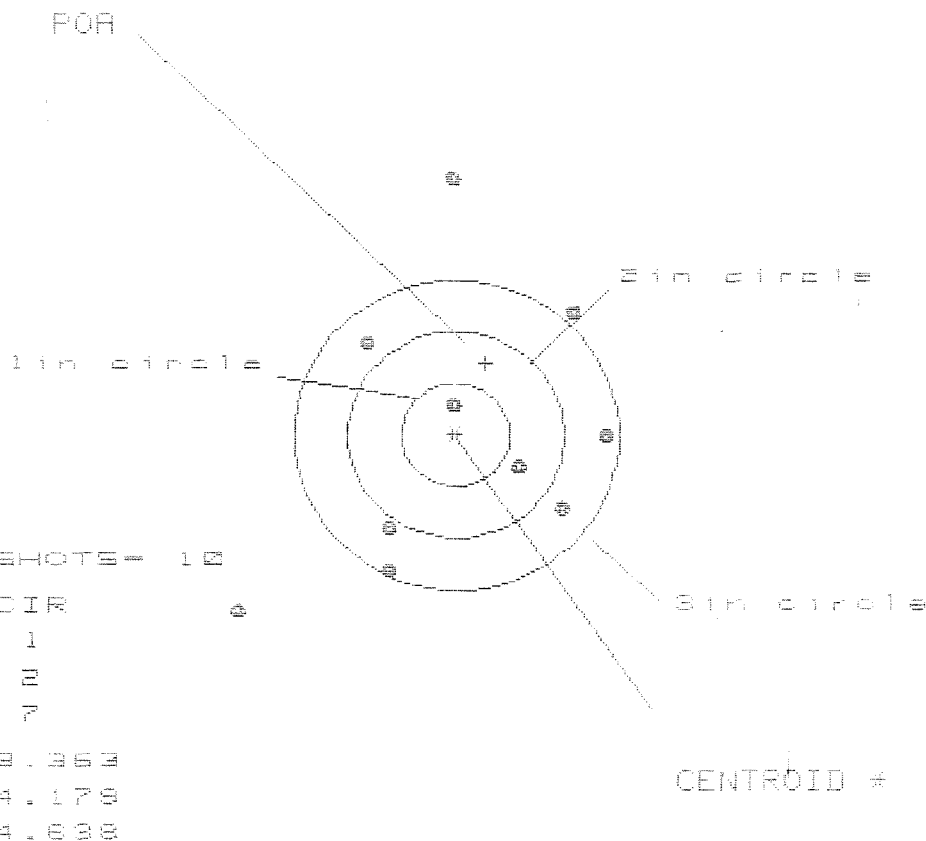


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.098	.998	1.113
MINIMUM X	:	-1.379	-1.479	-1.365
MAXIMUM Y	:	.973	.766	.631
MINIMUM Y	:	-1.863	-.836	-.740
CENTROID X	:	-.662	-.562	-.676
CENTROID Y	:	-.377	-.170	-.266
POA TO CENTROID in.	:	.762	.587	.727
MIN RADIUS	:	.231	.278	.341
MEAN RADIUS	:	1.005	.872	.822
MAX RADIUS	:	2.069	1.495	1.370
HORIZONTAL SPREAD	:	2.477	2.477	2.477
VERTICAL SPREAD	:	2.836	1.602	1.371
EXTREME SPREAD	:	3.424	2.589	2.543
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Sep 1985

FILE:/PATTERNING/CENTERFIRE_PATT/09346827

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 2.354

VS= 4.179

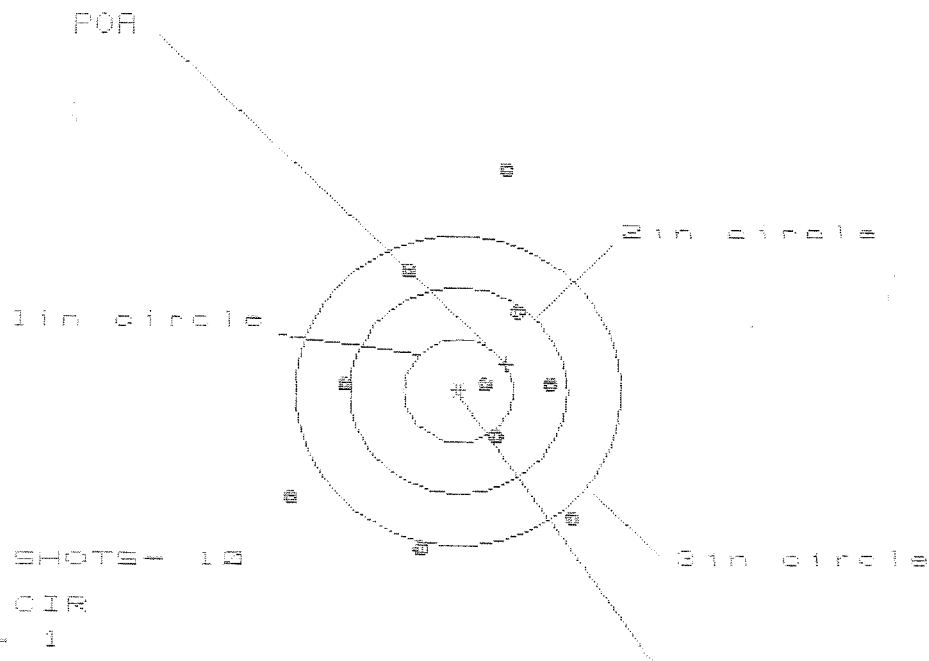
GS= 4.638

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.379	1.159	1.135
MINIMUM X	:	-1.984	-1.042	-1.066
MAXIMUM Y	:	2.496	2.369	1.334
MINIMUM Y	:	-1.683	-1.541	-1.252
CENTROID X	:	-.280	-.060	-.036
CENTROID Y	:	-.695	-.508	-.797
FOR TO CENTROID in.	:	.749	.512	.797
MIN RADIUS	:	.323	.274	.382
MEAN RADIUS	:	1.411	1.257	1.090
MAX RADIUS	:	2.601	2.317	1.600
HORIZONTAL SPREAD	:	3.363	2.201	2.201
VERTICAL SPREAD	:	4.179	3.850	2.586
EXTREME SPREAD	:	4.638	3.906	3.129
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B827

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 2.575

VS= 3.710

GS= 3.786

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	1.071	.883
MINIMUM X	:	-1.551	-1.504	-1.207
MAXIMUM Y	:	2.162	1.358	1.262
MINIMUM Y	:	-1.548	-1.308	-1.404
CENTROID X	:	-.446	-.493	-.305
CENTROID Y	:	-.262	-.502	-.406
POA TO CENTROID in.	:	.517	.704	.508
MIN RADIUS	:	.233	.391	.200
MEAN RADIUS	:	1.213	1.105	.979
MAX RADIUS	:	2.203	1.691	1.481
HORIZONTAL SPREAD	:	2.575	2.575	2.090
VERTICAL SPREAD	:	3.710	2.666	2.666
EXTREME SPREAD	:	3.786	2.803	2.803
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		