

05594603

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00129140

Serial: C6594603 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/19/1991

Repairman:

Status: New 5/9/2007 11:18:06 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: USPFO FOR ARKANSAS BLDG 318

USPFO FOR ARKANSAS BLDG 318

Address 2: CAMP JOSEPH T ROBINSON

PO Box:

CAMP JOSEPH T ROBINSON

PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR

Zip Code: 72199

Country: US

State: AR

Zip Code: 72199

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
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

5/10/2007

11:27 AM

CAPS

NUM

INS

SCRL



11:27 AM

Serial Number: C6594603

Model: M24 SWS



RE00129140

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

USAPPC V1.10

DATE: 20070424

MAINTENANCE REQUEST

DA FORM 5990-E

----- CUSTOMER DATA -----

UIC: WPQMT0
UTIL CODE: 7

HHC 1/153

PHONE: (501)332-6081

----- ACTIVITY DATA -----

SUP WON:
SUP UIC: W8TMAA

CSMS

PHONE: 212-5802
SHOP SEC:

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24
NOUN: RIFLE: 7.62 SNIPER SER NUM: C6594603 QTY: 00001

ORG WON: PQMT01700022 PRIORITY: 03 FAILURE DETECTED: D

MI/KM: ----- HOURS: ----- ROUNDS:

IN WARRANTY: LEVEL OF WORK: F ADMIN NUM:

DEFICIENCY: RE-BARRELLED

PD AUTHENTICATING SIGNATURE: _____

----- SIGNATURE DATA -----

SUBMITTED BY: _____ ORD DATE: _____ MIL TIME: _____

ACCEPTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

----- ACTION DATA -----

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

----- COMPLETION DATA -----

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____ EVAC UNIT NAME: _____

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594603.__0
FILE DATE AND TIME: 07/09/2007 23:03

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.050
The Average Y Centroid of the Five Target Set:	-0.121
The Average Point of Impact of the Five Target Set:	0.131
The Average Mean Radius of the Five Target Set:	0.646
The Distance from POA to Centroid Target #1:	0.498
The Distance from Centroid Target #2 to Centroid Target #1:	0.684
The Distance from Centroid Target #3 to Centroid Target #1:	0.374
The Distance from Centroid Target #4 to Centroid Target #1:	0.535
The Distance from Centroid Target #5 to Centroid Target #1:	0.510

SERIAL NUMBER: C6594603. 0

TARGET NUMBER: 1

FILE DATE: 07/09/2007

FILE TIME: 23:03

X CENTROID: -0.163

Y CENTROID: -0.470

POA TO CENTROID: 0.498

HORZ SPREAD: 1.760

VERT SPREAD: 2.496

GROUP SPREAD: 2.821

MIN RADIUS: 0.187

MAX RADIUS: 1.698

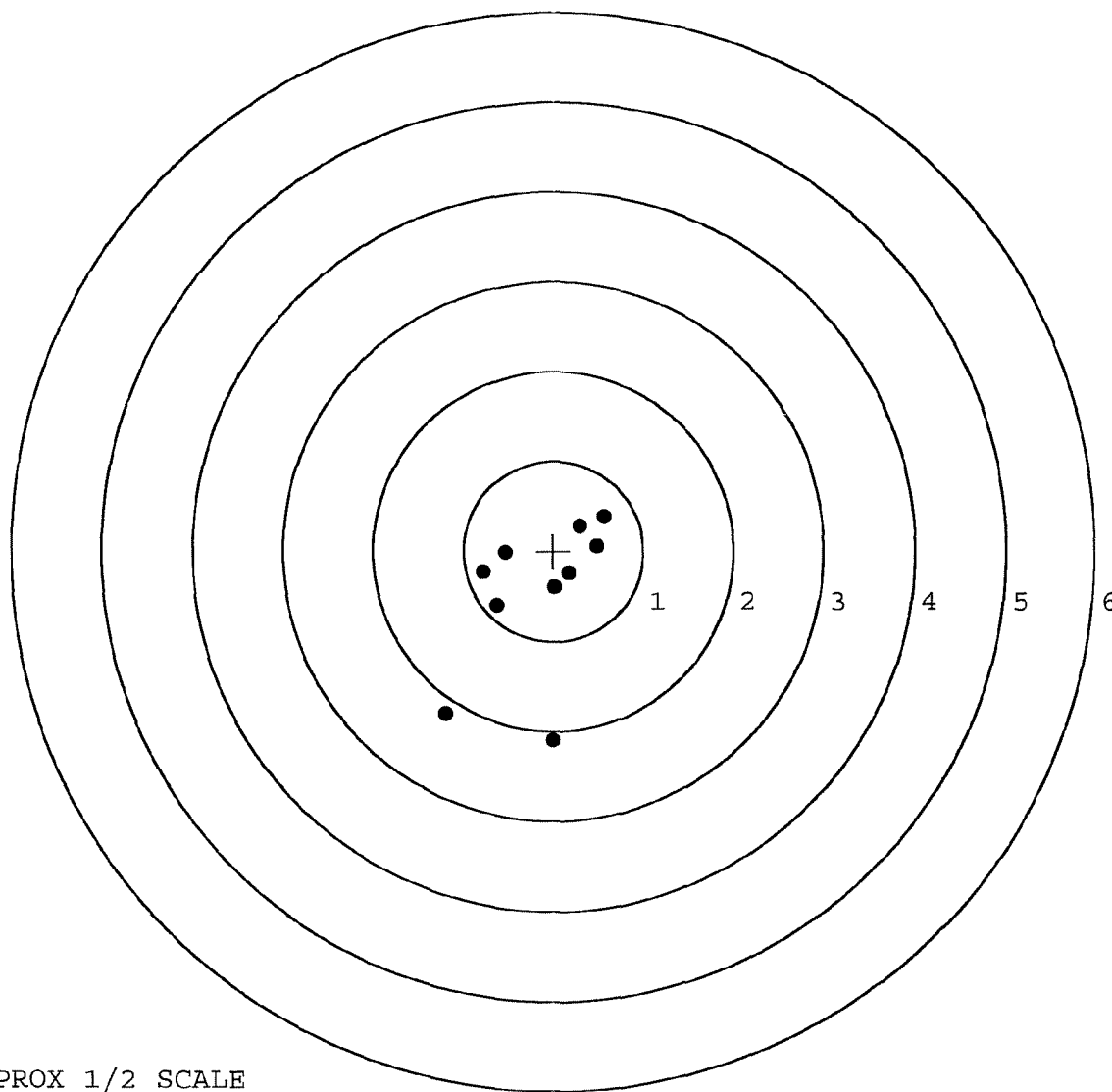
MEAN RADIUS: 0.851

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.535	-0.016
2:	-0.786	-0.236
3:	-0.632	-0.600
4:	0.010	-0.401
5:	0.168	-0.240
6:	0.489	0.055
7:	0.287	0.279
8:	0.565	0.386
9:	-0.004	-2.110
10:	-1.195	-1.819



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594603. 0

TARGET NUMBER: 2

FILE DATE: 07/09/2007

FILE TIME: 23:03

X CENTROID: 0.342

Y CENTROID: -0.009

POA TO CENTROID: 0.342

HORZ SPREAD: 1.393

VERT SPREAD: 2.439

GROUP SPREAD: 2.548

MIN RADIUS: 0.432

MAX RADIUS: 1.502

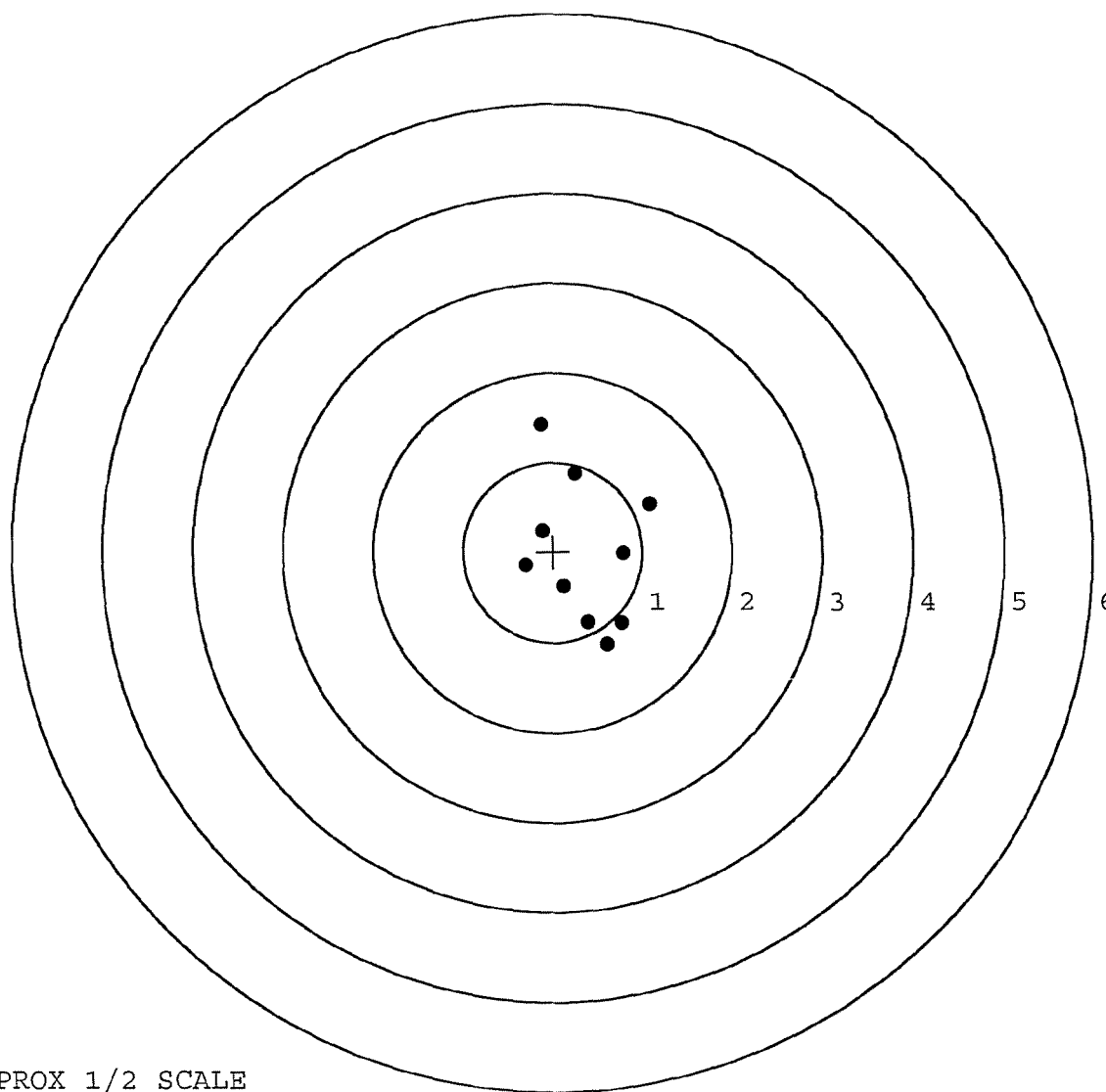
MEAN RADIUS: 0.810

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.138	1.414
2:	0.242	0.878
3:	-0.123	0.230
4:	-0.311	-0.151
5:	0.122	-0.381
6:	0.399	-0.786
7:	0.601	-1.025
8:	0.768	-0.793
9:	0.780	-0.018
10:	1.082	0.538



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594603. __0

TARGET NUMBER: 3

FILE DATE: 07/09/2007

FILE TIME: 23:03

POINT#	X	Y
1:	0.063	0.308
2:	0.388	0.162
3:	0.671	0.392
4:	0.835	0.006
5:	0.084	-0.161
6:	0.291	-0.480
7:	-0.201	-0.666
8:	-0.515	-0.810
9:	-0.762	-0.221
10:	-0.364	-0.153

X CENTROID: 0.049

Y CENTROID: -0.162

POA TO CENTROID: 0.170

HORZ SPREAD: 1.597

VERT SPREAD: 1.202

GROUP SPREAD: 1.689

MIN RADIUS: 0.035

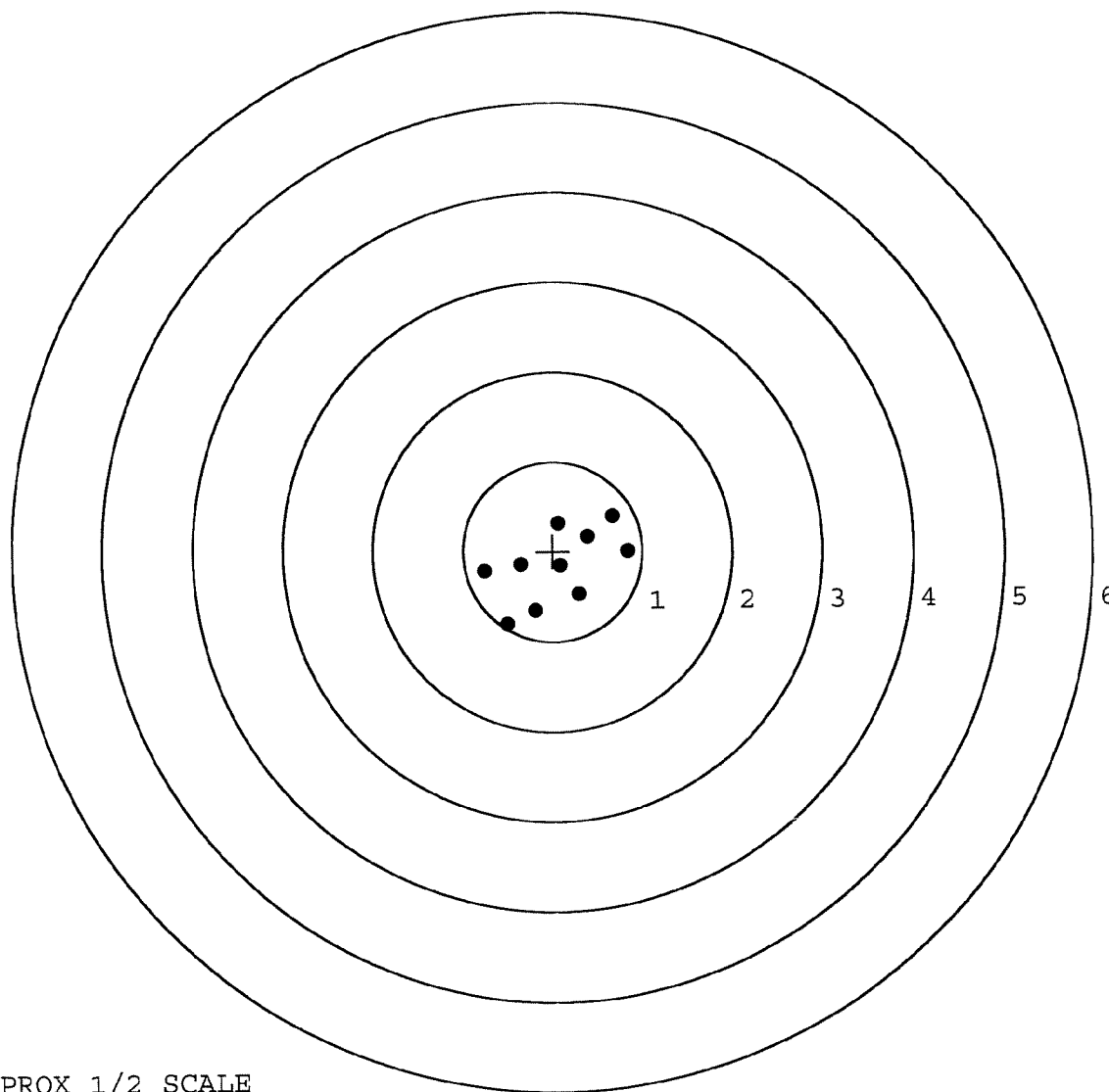
MAX RADIUS: 0.859

MEAN RADIUS: 0.566

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594603. __0

TARGET NUMBER: 4

FILE DATE: 07/09/2007

FILE TIME: 23:03

POINT#	X	Y
1:	0.063	0.598
2:	-1.027	0.320
3:	-0.536	0.192
4:	-0.349	0.369
5:	-0.273	0.038
6:	0.035	0.162
7:	0.423	-0.040
8:	0.404	-0.225
9:	0.350	-0.465
10:	0.502	-0.445

X CENTROID: -0.041

Y CENTROID: 0.050

POA TO CENTROID: 0.065

HORZ SPREAD: 1.529

VERT SPREAD: 1.063

GROUP SPREAD: 1.710

MIN RADIUS: 0.135

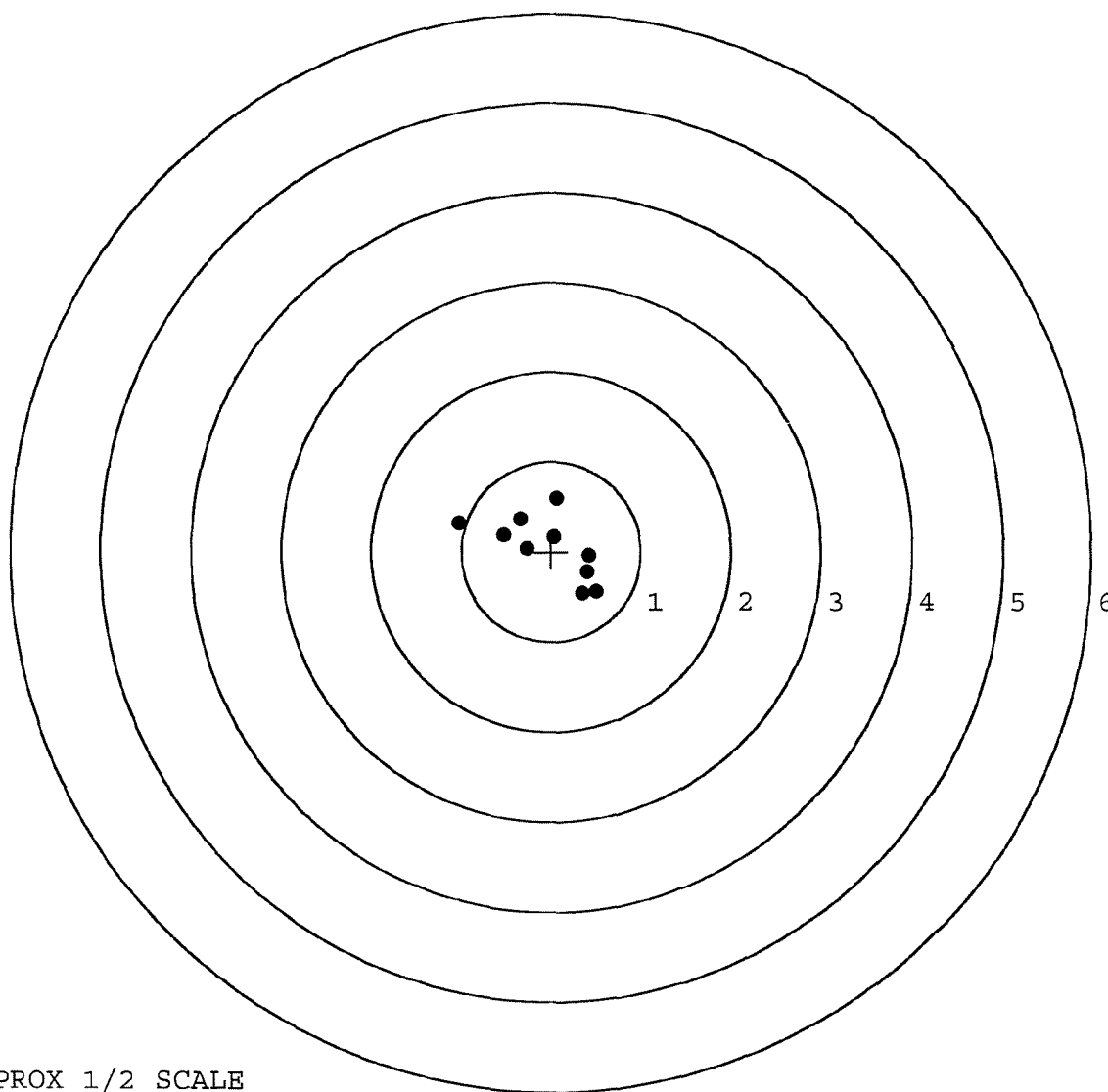
MAX RADIUS: 1.022

MEAN RADIUS: 0.528

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594603. __0

TARGET NUMBER: 5

FILE DATE: 07/09/2007

FILE TIME: 23:03

POINT#	X	Y
1:	-0.044	0.793
2:	0.357	0.447
3:	-0.298	0.252
4:	-0.484	0.046
5:	0.138	0.140
6:	0.123	-0.121
7:	0.112	-0.398
8:	0.439	-0.234
9:	0.532	-0.654
10:	-0.244	-0.405

X CENTROID: 0.063

Y CENTROID: -0.013

POA TO CENTROID: 0.065

HORZ SPREAD: 1.016

VERT SPREAD: 1.447

GROUP SPREAD: 1.557

MIN RADIUS: 0.123

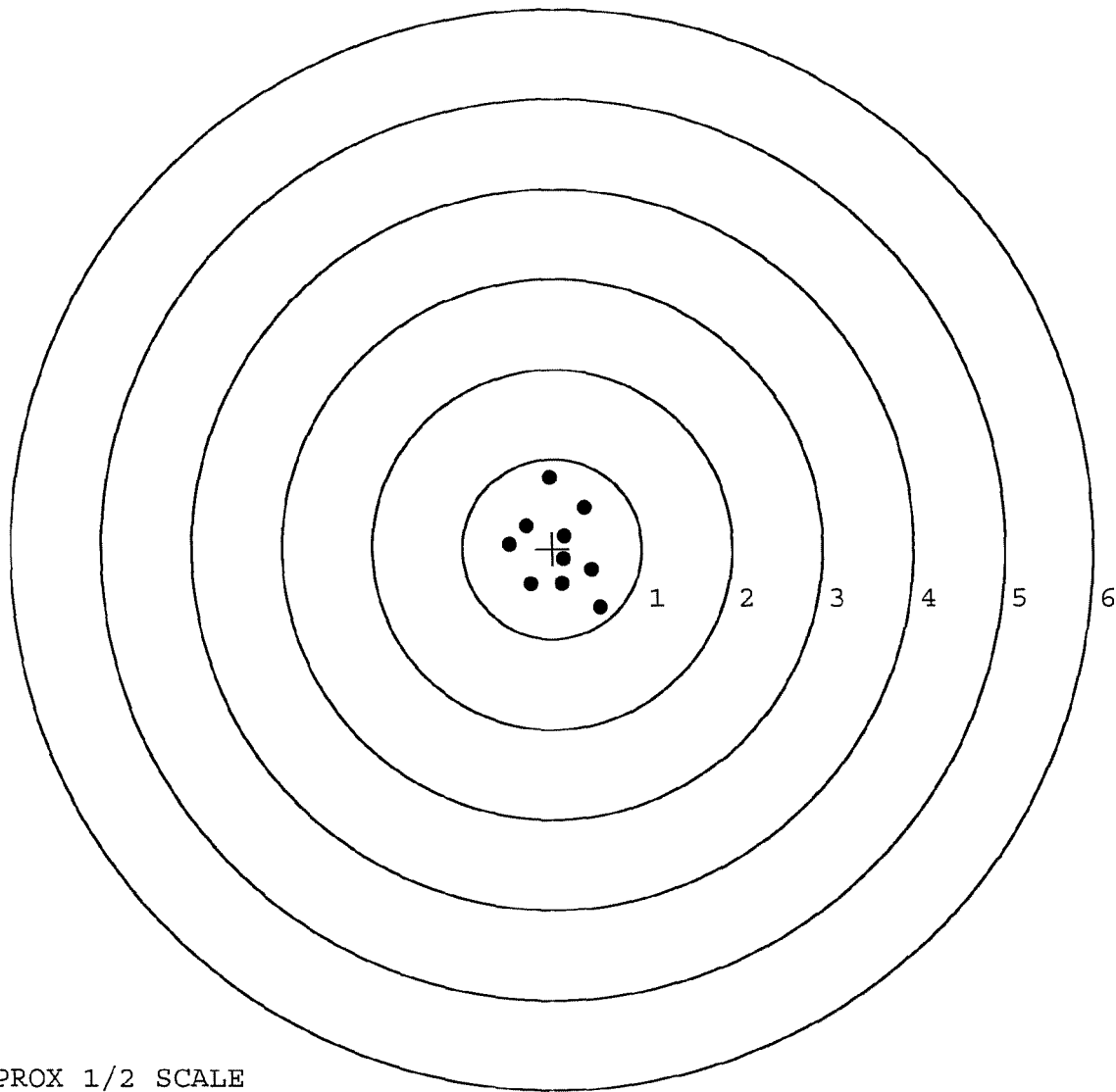
MAX RADIUS: 0.813

MEAN RADIUS: 0.477

IN 1 IN DIAMETER: 6

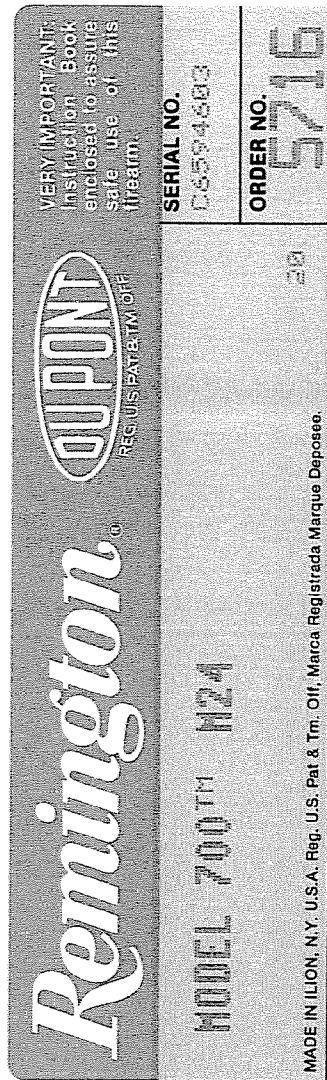
IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

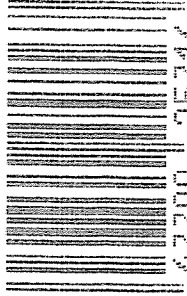


TARGET APPROX 1/2 SCALE

R & E NUMBER	129145		
SERIAL NUMBER	C659 4603		
LOG-IN DATE	5-9-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-11-07	RTL
505	RE-BARREL	6-15-07	RTL
560	ASSEMBLE	6-18-07	RTL
600	PROOF	6-18-07	TRW
605	CHECK HEADSPACE	6-18-07	TRW
610	DIS-ASSEMBLE GUN	6-18-07	RTL
612	MAGNAFLUX	6/19/07	Umm8
510	DRILL AND TAP	6-18-07	SD
615	ROLLMARK CALIBER	6-19-07	CW
618	ROTO-BLAST	6-19-07	DB
620	APPLY COATINGS	6-21-07	BB
625	FINAL ASSEMBLY	6-28-07	RTL
640	FUNCTION TEST AND	(PASS) FAIL	7/9/07
650	TARGET	(PASS) FAIL	7/9/07
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-11-07
	A) HEADSPACE	PASS FAIL	7-11-07
	B) TRIGGER PULL	267 262 251 254 256 7-11-7	DA
680	F) SAFETY ON FORCE	7-11-07	DA
	G) SAFETY OFF FORCE	7-11-07	DA
	I) FIRING PIN INDENT	1021 1022 1022 7-11-07	DA
690	PACK	7-11-07	DA



LPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594603

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LG
617	Drill and Tap Sight Holes	1 10	91	WB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-18-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-22-91	TH

op. #	BARBER - M24 0020098 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/22/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			1/22/91	WB
	H) Trigger Pull Test & Retainability						1-22-91	JM
	I) Firing Pin Indent	.020	.020	.020			1/22/91	WB
	J) Assemble Stock						1/24/91	RW
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/24/91	RW
	M) Iron Sight Alignment						1/24/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/24/91	RW
	O) Attach Scope to Rifle						1/24/91	RW
	P) Detach & Attach Scope 20 Times						1/24/91	RW
640	Gallery Target & Test						1-24-91	DH
	A) Time						1-24-91	DH
	B) Malfunctions						1-24-91	DH
	C) Pierced Primers						1-24-91	DH
	D) Optical Clarity of Scope						1-24-91	DH
645	Inspect for Live Ammo						1-24-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.25	2.27	2.36	2.32	2.34	2-1-90	JM
	C) Function						2-4-91	AC
660	Pack						3-17-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6594603

DATE 1-22-91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.33	2.28	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.50	2.22	2.27	
PULL #3	2.28	2.42	2.20	2.36	
PULL #4	2.30	2.48	2.17	2.32	
PULL #5	2.28	2.53	2.15	2.34	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.57		
PULL #2	3.54	3.51		
PULL #3	3.26	3.38		
PULL #4	3.53	3.54		
PULL #5	3.44	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.23		4.24
PULL #2	4.39	4.31		4.45
PULL #3	4.23	4.51		4.15
PULL #4	4.32	4.50		4.16
PULL #5	4.48	4.35		4.45
TOTAL				
AVG.				

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Polish Ejector	Rw
TEST ✓	+ Ream Ejector	25/
TGT	100 Rd Test	91
PROOF	shot OK	
TEST ✓	100 Rd test	
TGT	1-29-91 D/H	
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD.		GA. CAL.	GUN #
INSP. #	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	<i>Shaver brass and don't epd</i>	<i>RW</i>
	2nd		
	3rd		
	4th		
		FINAL INSPECTION	RD 6657 Rev 1

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594603
25 Jan 1991

CENTROIDAL DISTANCES

0	TO	1	.157918
1	TO	2	.328207
1	TO	3	.02502
1	TO	4	.195931
1	TO	5	.0375766

24 <----POA

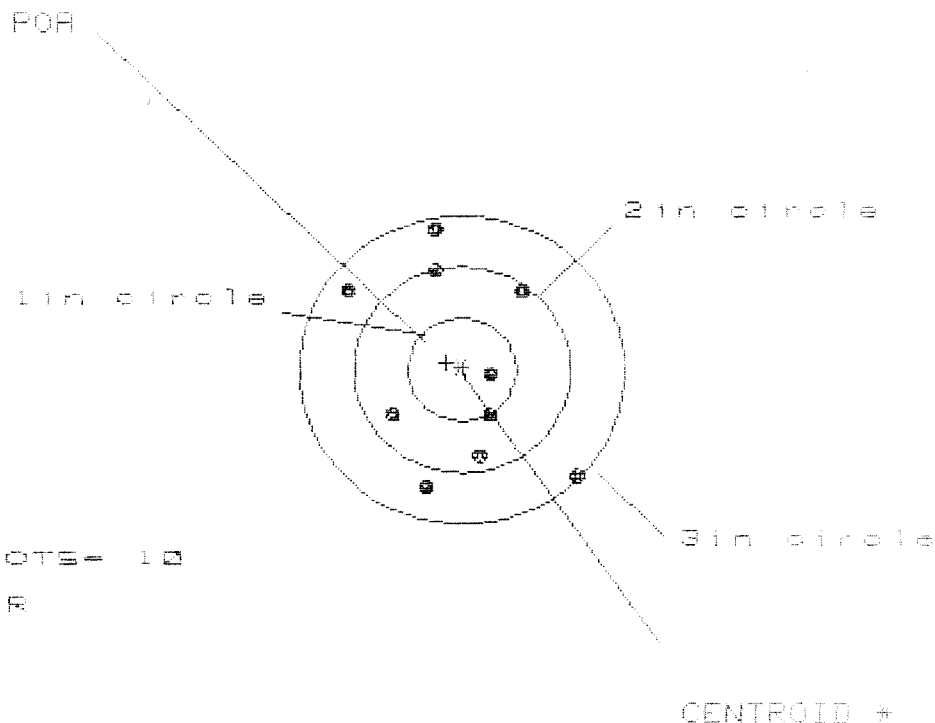
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .019
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106508

THE AMR FOR THIS RIFLE IS: .9492

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594683

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.111

VS = 2.481

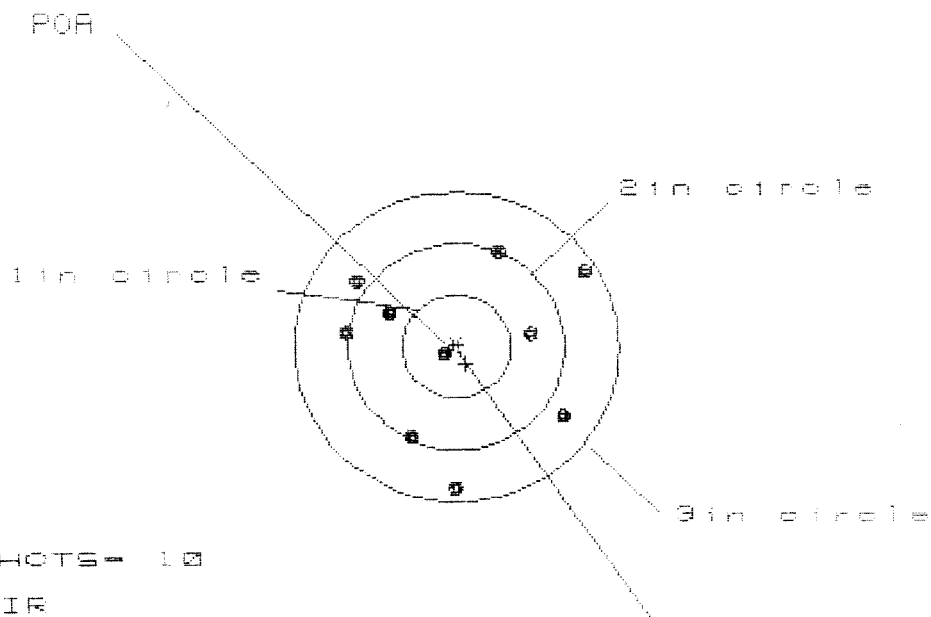
GS = 2.753

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.101	.707	.692
MINIMUM X	-1.010	-.888	-.903
MAXIMUM Y	1.378	1.264	.982
MINIMUM Y	-1.103	-1.217	-1.059
CENTROID X	.143	.021	.036
CENTROID Y	-.067	.047	-.110
POA TO CENTROID in.	.158	.052	.116
MIN RADIUS	.277	.423	.384
MEAN RADIUS	.963	.912	.843
MAX RADIUS	1.506	1.269	1.195
HORIZONTAL SPREAD	2.111	1.595	1.595
VERTICAL SPREAD	2.481	2.481	2.042
EXTREME SPREAD	2.753	2.484	2.094
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594603

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.145

VS = 2.274

GS = 2.409

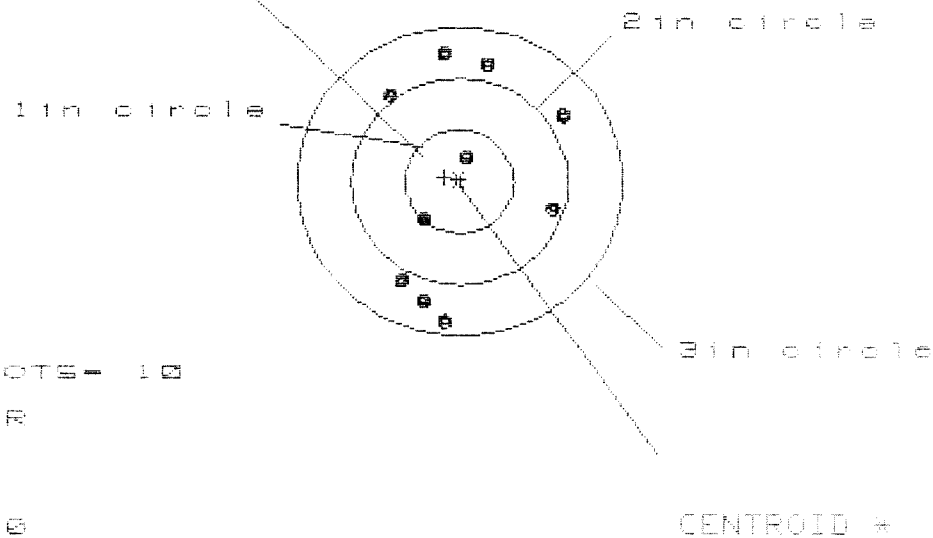
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.136	1.134	1.102
MINIMUM X	-1.009	-1.011	-0.869
MAXIMUM Y	.907	.755	.830
MINIMUM Y	-1.367	-1.020	-0.945
CENTROID X	-.083	-.081	-.223
CENTROID Y	.171	.323	.248
POA TO CENTROID in.	.190	.333	.334
MIN RADIUS	.154	.236	.106
MEAN RADIUS	.955	.903	.827
MAX RADIUS	1.367	1.282	1.305
HORIZONTAL SPREAD	2.145	2.145	1.971
VERTICAL SPREAD	2.274	1.775	1.775
EXTREME SPREAD	2.409	2.304	2.304
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594603

CENTERFIRE PATTERNS # 3

POA



+ OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 10

HS= 1.574

VS= 2.624

GS= 2.625

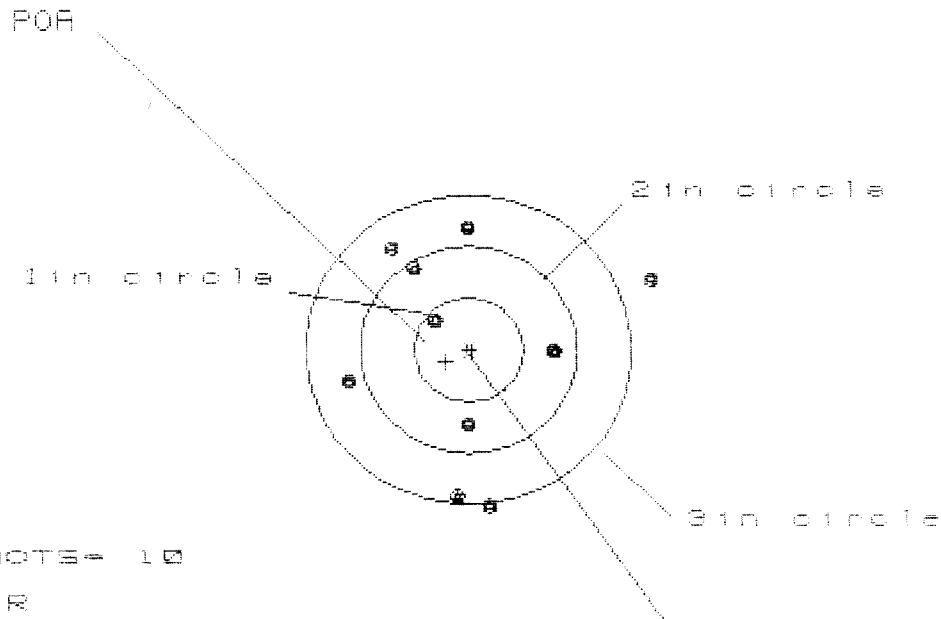
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.943	.932	.909
MINIMUM X	-.631	-.642	-.665
MAXIMUM Y	1.261	1.110	1.133
MINIMUM Y	-1.363	-1.284	-1.145
CENTROID X	.142	.153	.176
CENTROID Y	-.042	.109	-.030
POA TO CENTROID in.	.148	.187	.178
MIN RADIUS	.261	.113	.244
MEAN RADIUS	1.002	.941	.922
MAX RADIUS	1.368	1.328	1.202
HORIZONTAL SPREAD	1.574	1.574	1.574
VERTICAL SPREAD	2.624	2.394	2.278
EXTREME SPREAD	2.625	2.399	2.353
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594603

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 5

HS = 2.802

VS = 2.643

GS = 2.974

CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.732
MINIMUM X	-1.078
MAXIMUM Y	1.147
MINIMUM Y	-1.496
CENTROID X	.213
CENTROID Y	.116
POA TO CENTROID in.	.242
MIN RADIUS	.402
MEAN RADIUS	1.119
MAX RADIUS	1.866
HORIZONTAL SPREAD	2.802
VERTICAL SPREAD	2.643
EXTREME SPREAD	2.974
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	5

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65946B3

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.844

VS= 1.820

GS= 1.878

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.089	1.066	.635
MINIMUM X	-.755	-.778	-.645
MAXIMUM Y	1.206	.927	.998
MINIMUM Y	-.614	-.480	-.409
CENTROID X	.109	.132	-.001
CENTROID Y	-.083	-.217	-.288
POA TO CENTROID in.	.137	.254	.288
MIN RADIUS	.261	.127	.190
MEAN RADIUS	.707	.601	.512
MAX RADIUS	1.224	1.210	1.188
HORIZONTAL SPREAD	1.844	1.844	1.280
VERTICAL SPREAD	1.820	1.407	1.407
EXTREME SPREAD	1.878	1.878	1.590
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	