

CB523332

MODEL 700TM M24

Model **SMS**TM

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: **RE00036706** Serial: C6523332 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 3 of 7 Repairman: Status: Closed 12/1/01 6:32:00 AM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Date	Code	User ID	Desc1
12/1/01 6:13:11	New	urtzdi	Repair Added
12/1/01 6:29:46	Update	urtzdi	Repair information change
12/1/01 6:32:00	Closed	urtzdi	

Shipping Hold
InterFace Hold
Estimate Sent
Parts Received
Passed Inspection
Return As Received
Has been Approved
Internal Repair

Current Status
Closed
12/1/01 6:32:00 AM
urtzdi
Check In

Repair Location
ILN
Current Location
ILN

Repair Search Refresh Close

Start | Inbox... | CNN... | SWS... | Israel... | SWS... | Arm... | Serial... | Cale... | 11:19 AM

Serial Number: **C6523332**

Model: **700**



RE00036706

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	36706		
SERIAL NUMBER	C052332		
LOG-IN DATE	12-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-4-01	RK
560 A	RE-BARREL	12/5/01	BWT
B	DRILL AND TAP	12/5/01	BWT
575	ASSEMBLE	12-6-01	RK
600	PROOF	12-6-01	RK
605	CHECK HEADSPACE	12-6-01	RK
610	DIS-ASSEMBLE GUN	12-6-01	RK
612	MAGNAFLUX		
615	ROLLMARK CALIBER	12-6-01	RK
618	ROTO-BLAST	12/7	TO
620	APPLY COATINGS	12-10	TA
625 A	FINAL ASSEMBLY	12-17-01	RK
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-19-01	TA
655	FINAL INSPECT	12-18-01	RK
660	PACK	12/19/01	DA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523332.___0
FILE DATE AND TIME: 12/17/2001 06:35

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.043
The Average Y Centroid of the Five Target Set:	-0.149
The Average Point of Impact of the Five Target Set:	0.155
The Average Mean Radius of the Five Target Set:	0.773
The Distance from POA to Centroid Target #1:	0.220
The Distance from Centroid Target #2 to Centroid Target #1:	0.321
The Distance from Centroid Target #3 to Centroid Target #1:	0.089
The Distance from Centroid Target #4 to Centroid Target #1:	0.114
The Distance from Centroid Target #5 to Centroid Target #1:	0.270

SERIAL NUMBER: C6523332. 0

TARGET NUMBER: 1

FILE DATE: 12/17/2001

FILE TIME: 06:35

POINT#	X	Y
1:	-0.020	-1.343
2:	-0.220	-0.732
3:	-0.121	-0.412
4:	-0.402	-0.042
5:	-0.012	-0.148
6:	0.250	-0.150
7:	0.385	-0.004
8:	0.073	0.248
9:	-0.077	0.082
10:	-0.380	0.361

X CENTROID: -0.052

Y CENTROID: -0.214

POA TO CENTROID: 0.220

HORZ SPREAD: 0.787

VERT SPREAD: 1.704

GROUP SPREAD: 1.742

MIN RADIUS: 0.077

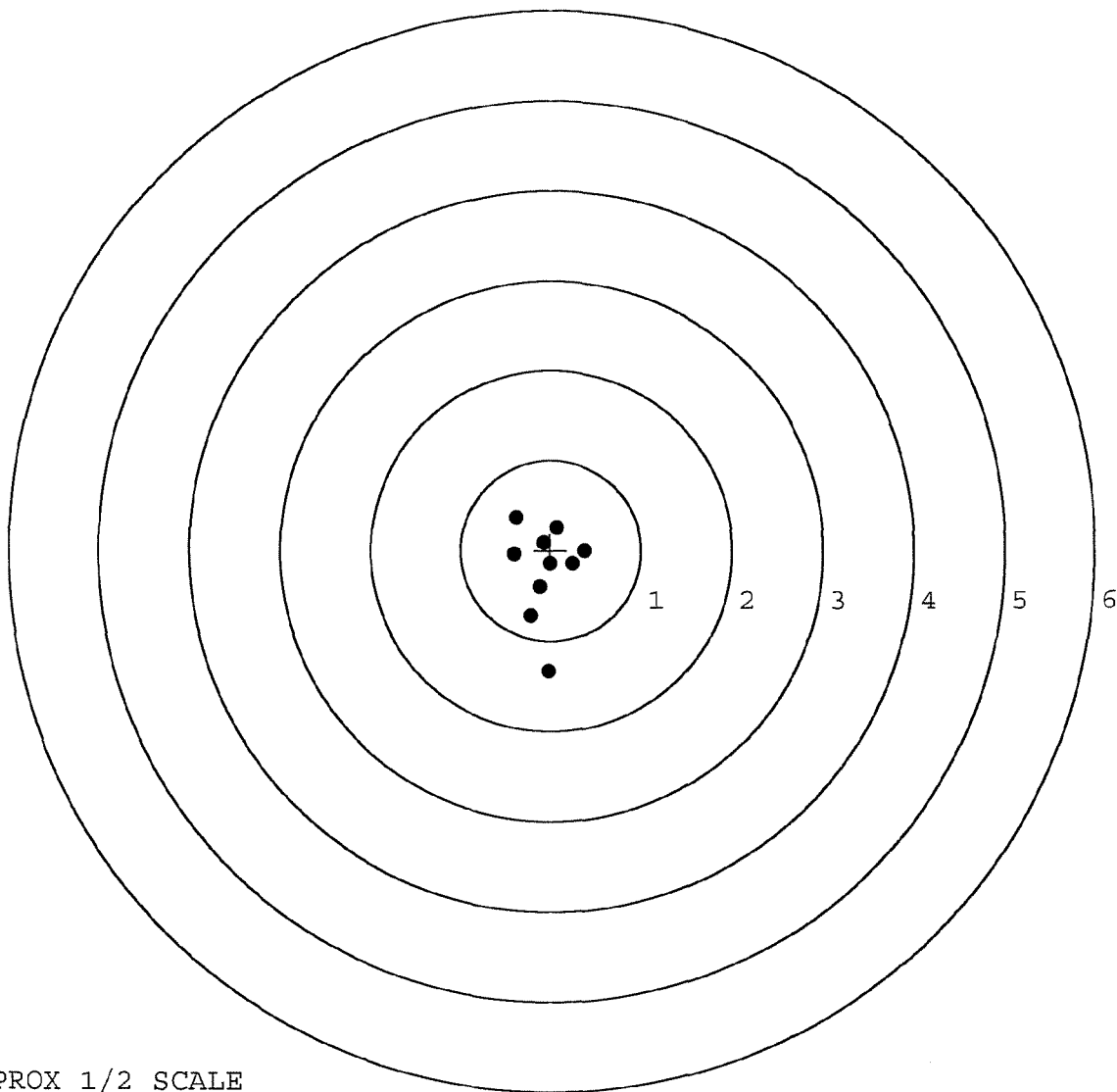
MAX RADIUS: 1.129

MEAN RADIUS: 0.458

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523332. 0

TARGET NUMBER: 2

FILE DATE: 12/17/2001

FILE TIME: 06:35

POINT#	X	Y
1:	0.518	-1.213
2:	0.259	-0.744
3:	-0.089	-1.154
4:	-0.245	-0.963
5:	0.254	0.079
6:	0.174	0.246
7:	-0.607	0.028
8:	0.145	1.612
9:	-0.075	1.633
10:	-0.212	1.477

X CENTROID: 0.012

Y CENTROID: 0.100

POA TO CENTROID: 0.101

HORZ SPREAD: 1.125

VERT SPREAD: 2.846

GROUP SPREAD: 2.907

MIN RADIUS: 0.218

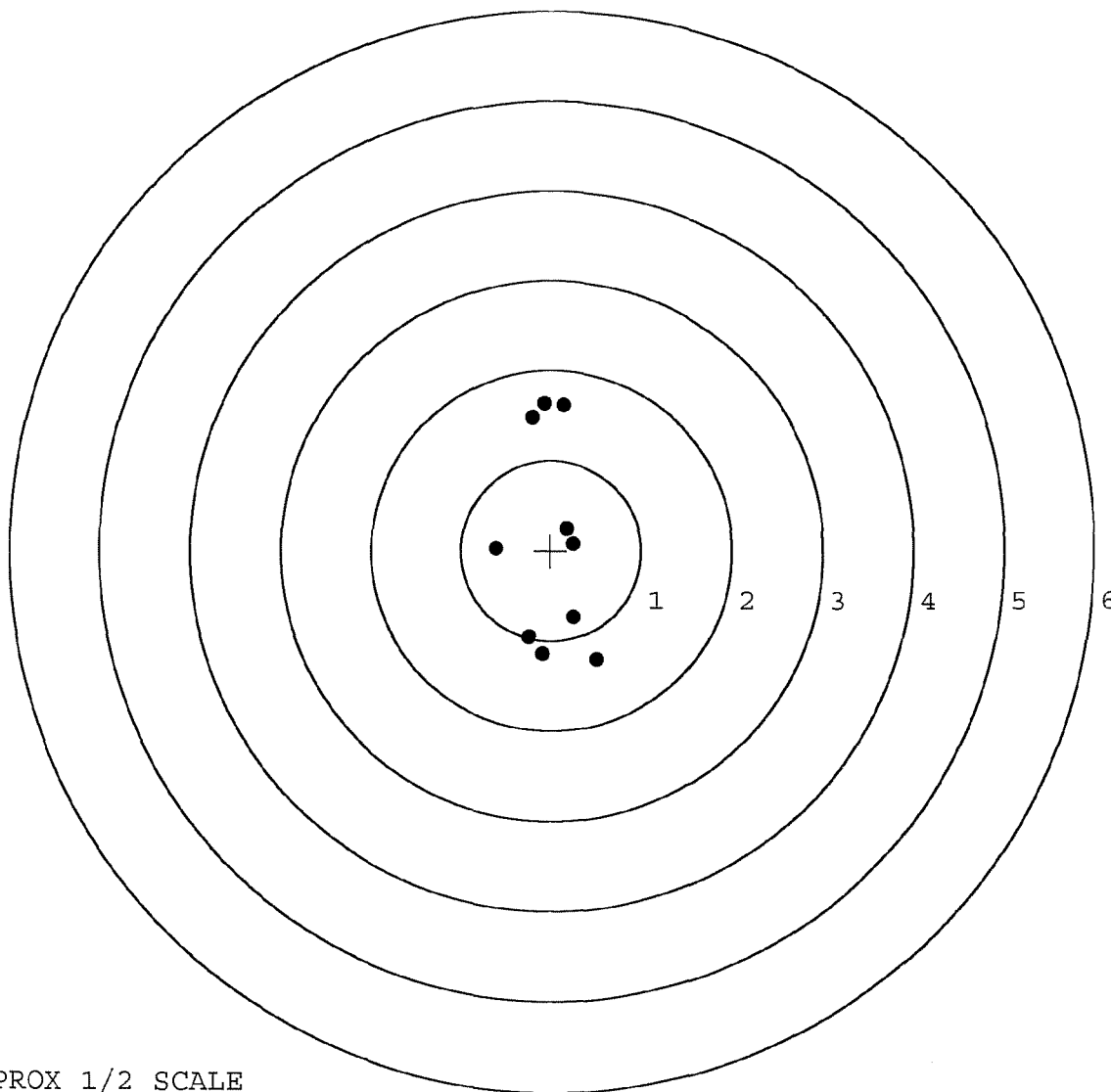
MAX RADIUS: 1.535

MEAN RADIUS: 1.017

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523332. 0

TARGET NUMBER: 3

FILE DATE: 12/17/2001

FILE TIME: 06:35

POINT#	X	Y
1:	0.151	-3.093
2:	-0.571	-1.262
3:	0.487	-0.583
4:	0.430	-0.289
5:	0.471	0.061
6:	-0.528	-0.364
7:	-0.472	0.072
8:	-0.169	0.590
9:	0.277	0.673
10:	0.083	1.490

X CENTROID: 0.016

Y CENTROID: -0.271

POA TO CENTROID: 0.271

HORZ SPREAD: 1.058

VERT SPREAD: 4.583

GROUP SPREAD: 4.584

MIN RADIUS: 0.415

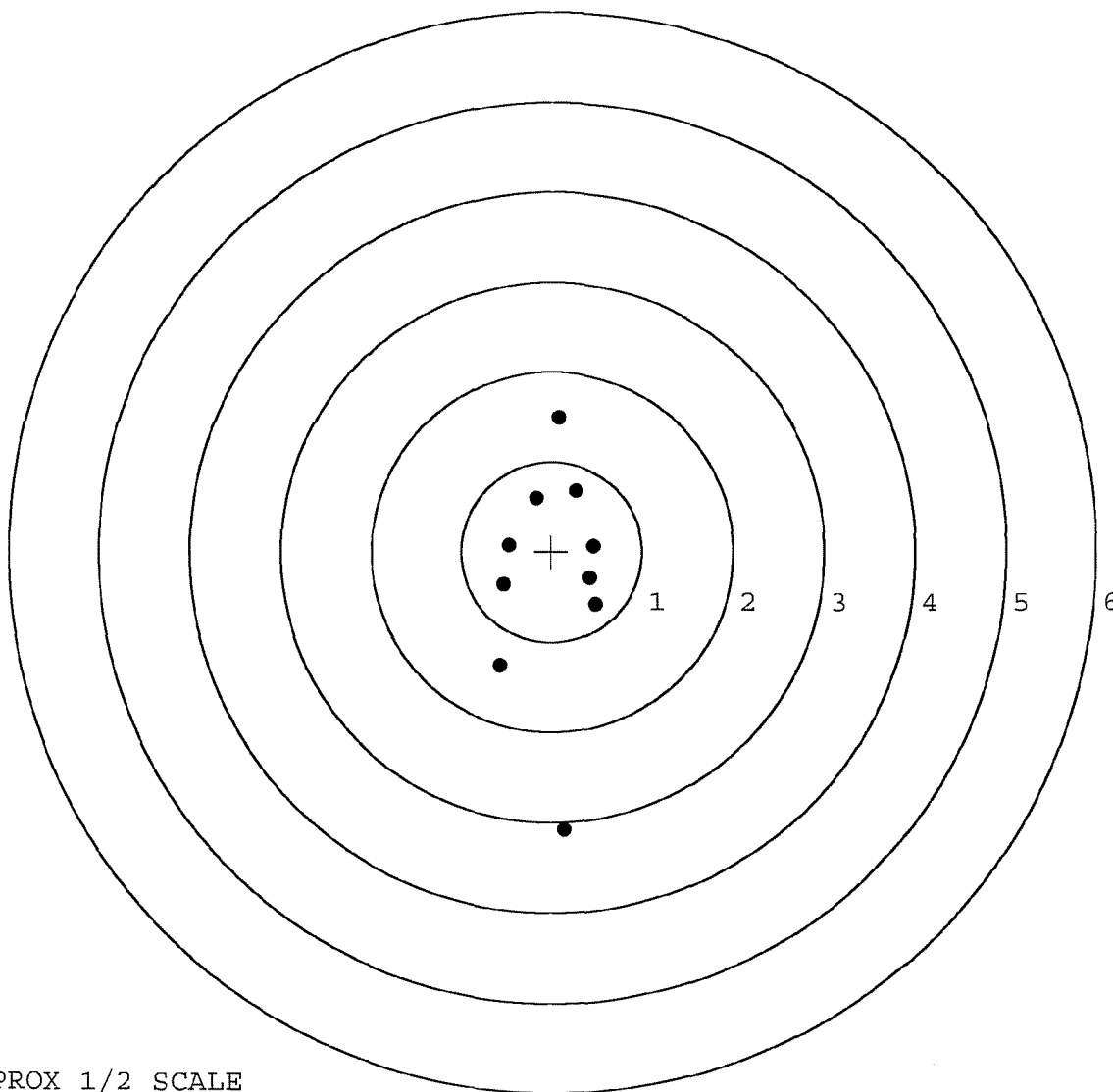
MAX RADIUS: 2.826

MEAN RADIUS: 1.029

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523332. 0

TARGET NUMBER: 4

FILE DATE: 12/17/2001

FILE TIME: 06:35

POINT#	X	Y
1:	0.307	-1.538
2:	0.364	-0.853
3:	0.235	-0.598
4:	0.187	-0.262
5:	0.422	-0.132
6:	-0.136	-0.221
7:	-0.351	-0.002
8:	-0.228	0.439
9:	-0.343	0.820
10:	0.030	-0.318

X CENTROID: 0.049

Y CENTROID: -0.267

POA TO CENTROID: 0.271

HORZ SPREAD: 0.773

VERT SPREAD: 2.358

GROUP SPREAD: 2.446

MIN RADIUS: 0.055

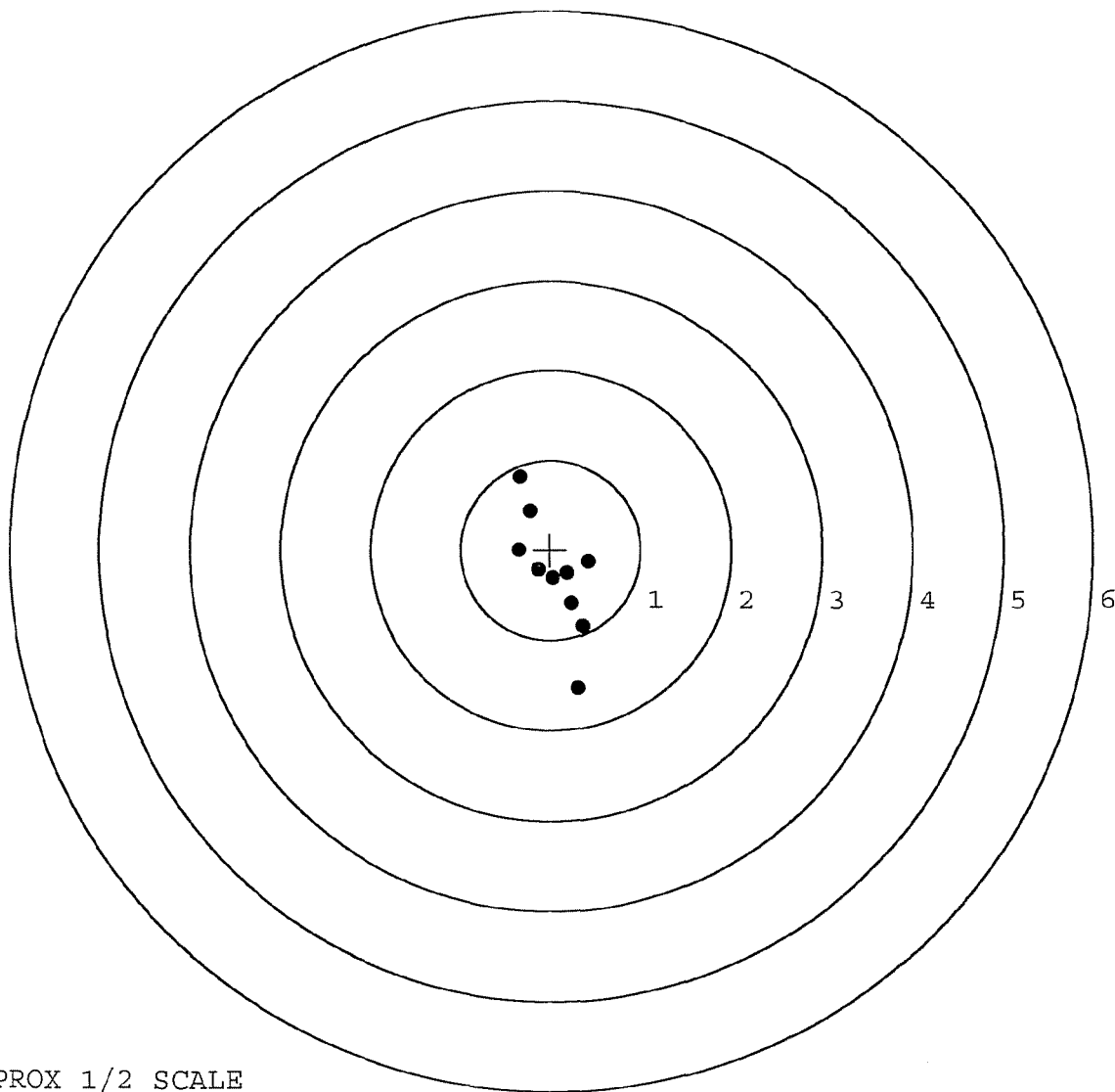
MAX RADIUS: 1.297

MEAN RADIUS: 0.552

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0006230

SERIAL NUMBER: C6523332. 0

TARGET NUMBER: 5

FILE DATE: 12/17/2001

FILE TIME: 06:35

POINT#	X	Y
1:	0.003	-1.309
2:	0.919	-0.682
3:	0.963	-0.431
4:	0.477	-0.470
5:	-0.797	-0.389
6:	0.359	0.079
7:	0.182	0.120
8:	0.736	0.575
9:	-0.146	0.563
10:	-0.814	1.022

X CENTROID: 0.188

Y CENTROID: -0.092

POA TO CENTROID: 0.210

HORZ SPREAD: 1.777

VERT SPREAD: 2.331

GROUP SPREAD: 2.470

MIN RADIUS: 0.212

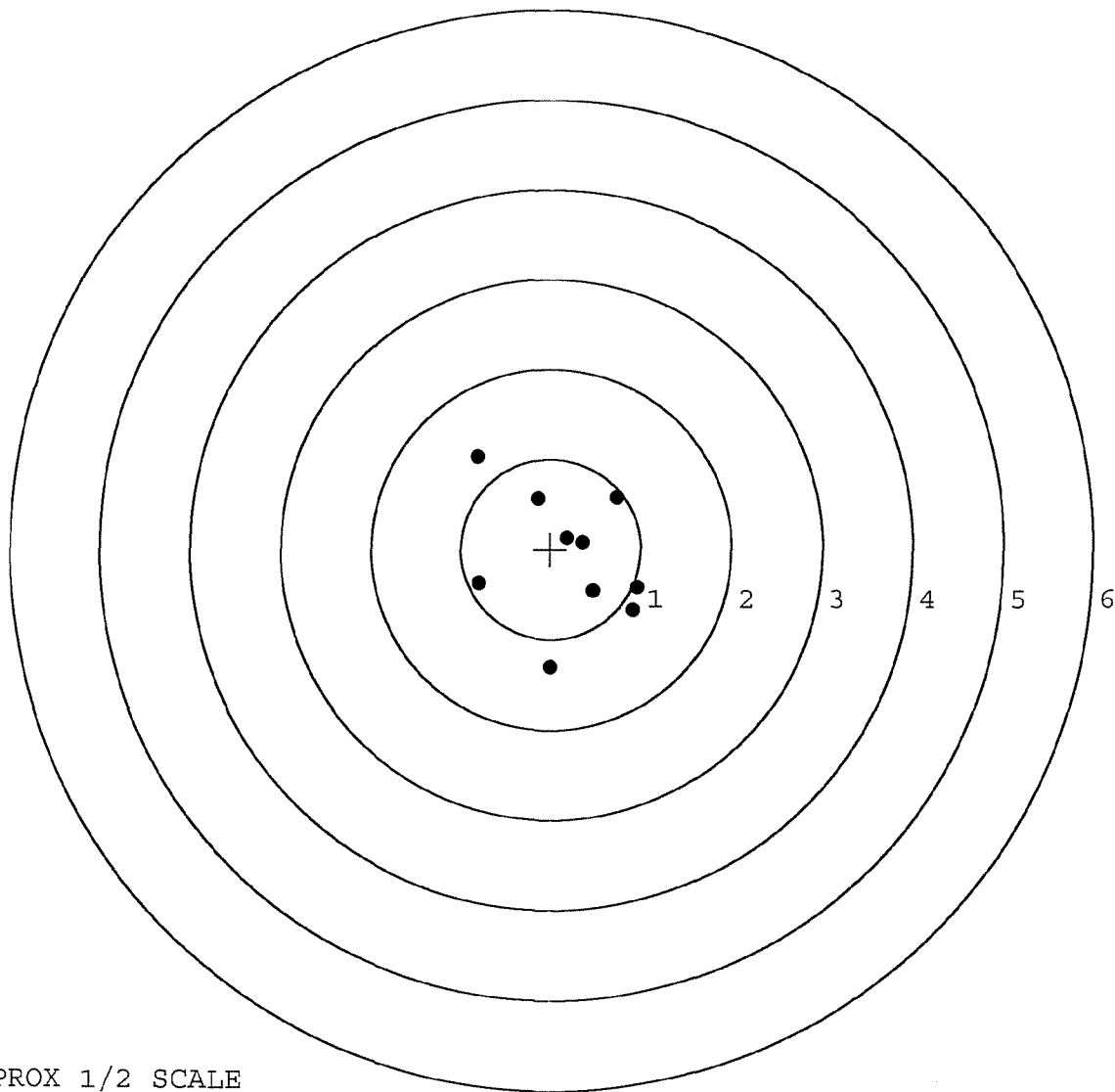
MAX RADIUS: 1.499

MEAN RADIUS: 0.807

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

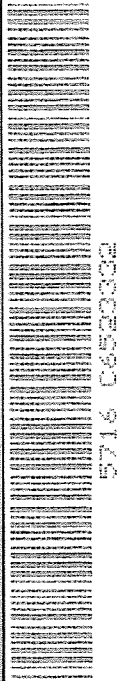
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM H24

SERIAL NO. C6523332

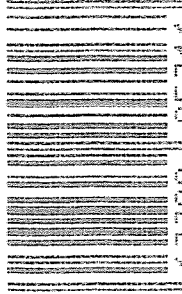
ORDER NO. 5716

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



5716 C6523332

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523332

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	70	9 90	RW
600	Proof	70	9 90	RW
607	Check Headspace	70	9 90	RW
610	Dis-assemble Gun	70	9 90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	KB
618	Polish Barrel <i>AB</i>		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	<i>AB</i>
	Apply Coating (Bolt)			<i>AB</i>
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-9-91	<i>AB</i>

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5.0	5.0	4.75	1/8/91	RJ		
	G) Safety Off Force	2.75	2.75	2.75	1/8/91	RJ		
	H) Trigger Pull Test & Retainability				1-9-91	JH		
	I) Firing Pin Indent	.020	.020	.021	1/8/91	RJ		
	J) Assemble Stock				1/17/91	RW		
	K) Assemble Swivel Studs				2-1-91	K		
	L) Attach Front and Rear Sight Assemblies				1/17/91	RW		
	M) Iron Sight Alignment				1/17/91	RW		
	N) Detach Front & Rear Sights & place in numbered container				1/17/91	RW		
	O) Attach Scope to Rifle				1/17/91	RW		
	P) Detach & Attach Scope 20 Times				1/17/91	RW		
640	Gallery Target & Test				1-17-91	AC		
	A) Time				1-17-91	AC		
	B) Malfunctions				1-17-91	AC		
	C) Pierced Primers				1-17-91	AC		
	D) Optical Clarity of Scope				1-17-91	AC		
645	Inspect for Live Ammo				1-17-91	AC		
655	Final Inspection							
	A) Headspace				2-1-91	K		
	B) Trigger Pull	2.37	2.35	2.35	2.34	2.41	1-23-91	JH
	C) Function						2-1-91	K
660	Pack						3-19-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523332

DATE 10-9-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.24	2.38	2.37	MIN. SETTING,
PULL #2	2.28	2.30	2.39	2.35	NO AVG. OF 5
PULL #3	2.28	2.23	2.42	2.35	READINGS ACCEPT-
PULL #4	2.30	2.41	2.28	2.39	ABLE LESS THAN 2#
PULL #5	2.30	2.27	2.32	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.31		
PULL #2	3.33	3.32		
PULL #3	3.39	3.39		
PULL #4	3.20	3.34		
PULL #5	3.30	3.25		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.49		4.20
PULL #2	4.26	4.29		4.40
PULL #3	4.28	4.14		4.32
PULL #4	4.48	4.40		4.27
PULL #5	4.21	4.21		4.18
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523332
18 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.152856
1 TO 2	.523307
1 TO 3	.127142
1 TO 4	.233529
1 TO 5	.19962

2.2 <----POA

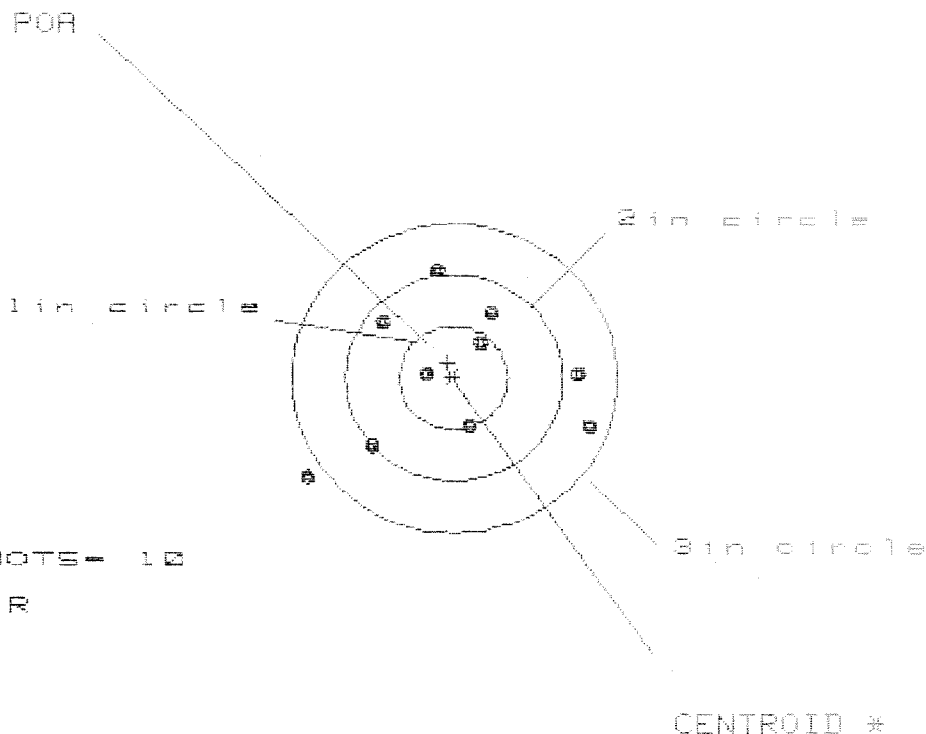
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1046
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .105787

THE AMR FOR THIS RIFLE IS: 1.001

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523332

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.613

VS = 1.998

GS = 2.683

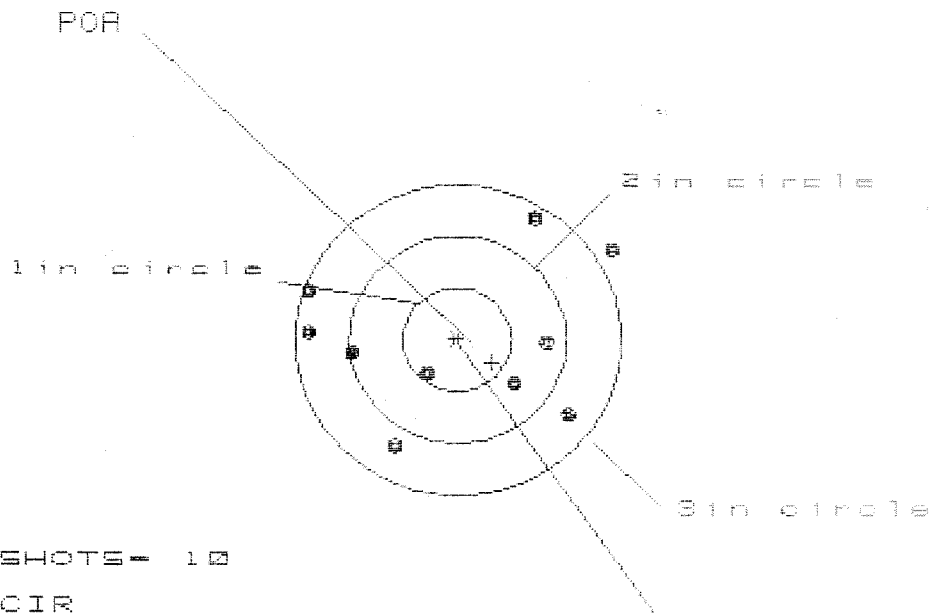
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.293	1.146	1.163
MINIMUM X	-1.320	-0.950	-0.806
MAXIMUM Y	1.005	0.894	0.826
MINIMUM Y	-0.993	-0.808	-0.876
CENTROID X	0.054	0.201	0.058
CENTROID Y	-0.143	-0.032	0.037
POA TO CENTROID in.	0.153	0.203	0.068
MIN RADIUS	0.289	0.258	0.303
MEAN RADIUS	0.901	0.798	0.721
MAX RADIUS	1.652	1.271	1.191
HORIZONTAL SPREAD	2.613	2.096	1.970
VERTICAL SPREAD	1.998	1.702	1.702
EXTREME SPREAD	2.683	2.169	2.094
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8523332

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.812

VS= 2.190

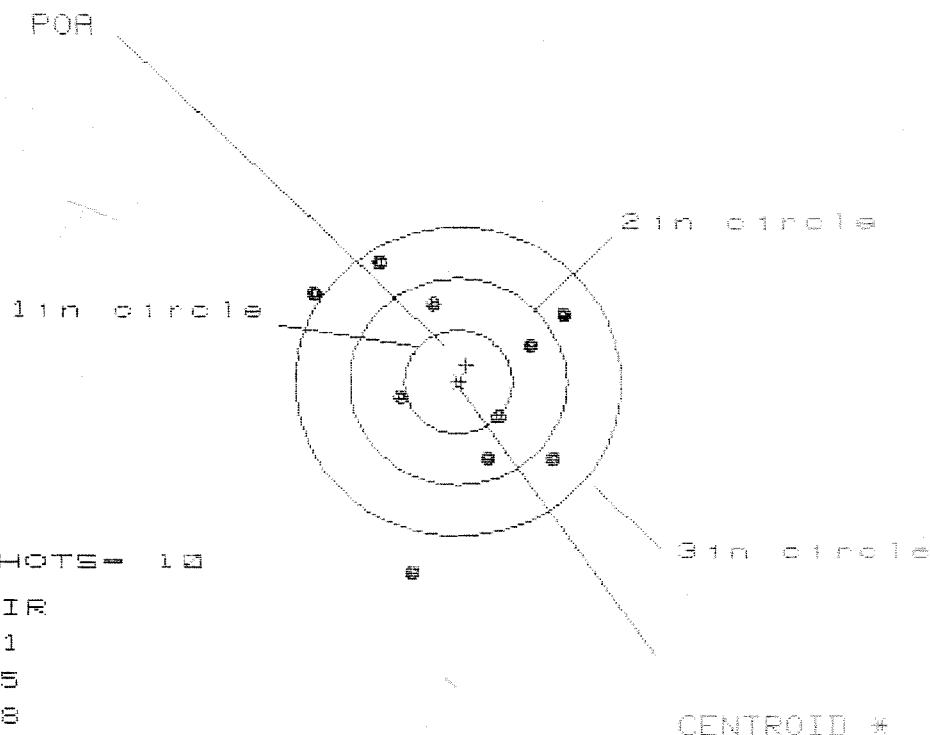
GS= 2.915

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.410	1.217	1.062
MINIMUM X	:	-1.402	-1.246	-1.398
MAXIMUM Y	:	1.162	1.261	1.327
MINIMUM Y	:	-1.028	-1.929	-1.863
CENTROID X	:	-.321	-.477	-.322
CENTROID Y	:	.222	.123	.057
FOR TO CENTROID in.	:	.390	.493	.327
MIN RADIUS	:	.471	.295	.369
MEAN RADIUS	:	1.134	1.047	.995
MAX RADIUS	:	1.668	1.564	1.534
HORIZONTAL SPREAD	:	2.812	2.463	2.460
VERTICAL SPREAD	:	2.190	2.190	2.190
EXTREME SPREAD	:	2.915	2.704	2.586
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06523332

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in - 1

2in - 5

3in - 8

HS = 2.370

VS = 2.926

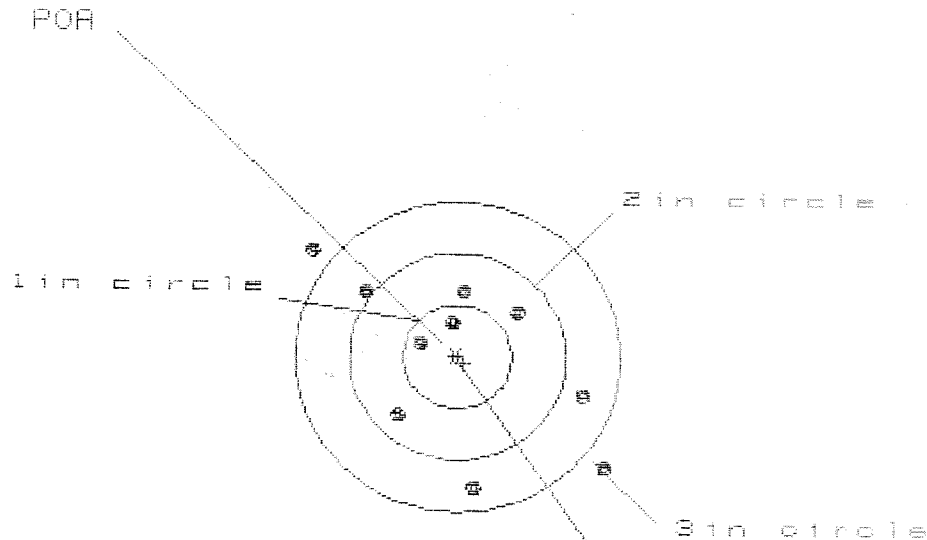
GS = 2.945

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.995	.951	.774
MINIMUM X	:	-1.375	-1.419	-.953
MAXIMUM Y	:	1.136	.937	1.017
MINIMUM Y	:	-1.790	-.961	-.881
CENTROID X	:	-.072	-.028	.149
CENTROID Y	:	-.160	.039	-.041
POR TO CENTROID in.	:	.175	.048	.155
MIN RADIUS	:	.472	.592	.440
MEAN RADIUS	:	1.045	.949	.844
MAX RADIUS	:	1.833	1.557	1.394
HORIZONTAL SPREAD	:	2.370	2.370	1.727
VERTICAL SPREAD	:	2.926	1.898	1.898
EXTREME SPREAD	:	2.945	2.783	2.504
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	8		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8523332

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.661

VS= 2.267

GS= 3.377

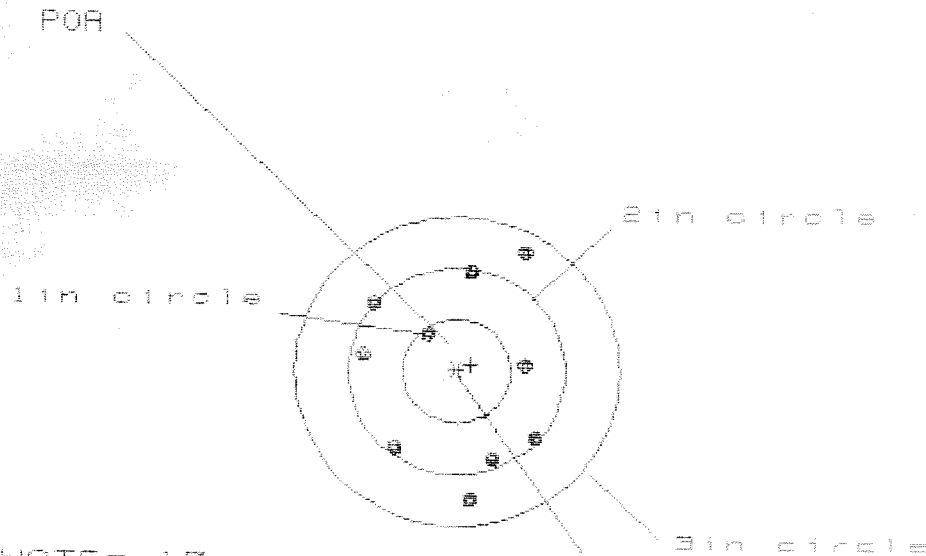
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.349	1.277	1.132
MINIMUM X	-1.312	-1.162	-0.838
MAXIMUM Y	.999	.879	.665
MINIMUM Y	-1.268	-1.388	-1.278
CENTROID X	-.053	-.203	-.058
CENTROID Y	.063	.183	.073
POA TO CENTROID in.	.082	.273	.093
MIN RADIUS	.360	.220	.349
MEAN RADIUS	.986	.860	.808
MAX RADIUS	1.729	1.457	1.289
HORIZONTAL SPREAD	2.661	2.439	1.970
VERTICAL SPREAD	2.267	2.267	1.943
EXTREME SPREAD	3.377	2.791	2.224
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0523332

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.663

VS = 2.360

GS = 2.430

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.768	.843	.864
MINIMUM X	-.895	-.820	-.799
MAXIMUM Y	1.135	1.097	.960
MINIMUM Y	-1.225	-1.099	-.849
CENTROID X	-.128	-.203	-.224
CENTROID Y	-.061	-.187	-.050
POA TO CENTROID in.	.142	.276	.229
MIN RADIUS	.479	.553	.419
MEAN RADIUS	.939	.892	.849
MAX RADIUS	1.319	1.113	1.062
HORIZONTAL SPREAD	1.663	1.663	1.663
VERTICAL SPREAD	2.360	2.196	1.809
EXTREME SPREAD	2.430	2.196	2.005
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		