

C6348998

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

Repair Inquiry

Repair Number: RE00158693

Serial: C6348998 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/19/1950

Repairman:

Status: Closed 1/13/2009 9:25:16 AM

Verify Repair

Address Information

Customer:

Received From:

Return To:

Received From:

Name: CTRP 2-107TH CAV

CTRP 2-107TH CAV

Address 1: 39 WEAVER STREET

39 WEAVER STREET

Address 2:

PO Box:

PO Box:

City: KENIA

KENIA

State: OH

Zip Code: 45385

Country: US

State: OH

Zip Code: 45385

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

Repair Search

Refresh

Close

naglet

1/26/2009

11:36 AM

CAPS

NUM

INS

PSRL



Inbox - Micro...

FW: Request f...

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(UNCLASSIFIE...

Microsoft Excel...

Arms Services ...



Serial Number:

C6348998

Model: M24 SWS



RE00158693

Ohio NAT Guard

2 each

Spotting Scope
Flash Suppressor

ARD

Sling
Instruction Book

Deployment Kit
Scope

Scope Rings
Scope Case
Soft Case

2-18-09

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

R & E NUMBER <u>158693</u>			
SERIAL NUMBER <u>C6348998</u>			
LOG-IN DATE <u>1-13-09</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-28-09	RTZ
505	RE-BARREL	1-29-09	RTZ
560	ASSEMBLE	1-29-09	RTZ
600	PROOF	1-29-09	RTZ
605	CHECK HEADSPACE	1-29-09	RTZ
610	DIS-ASSEMBLE GUN	1-29-09	RTZ
612	MAGNAFLUX	2/2/09	RTZ
510	DRILL AND TAP	1-30-09	JP
615	ROLLMARK CALIBER	2/2/09	RT
618	ROTO-BLAST	2/2/09	RT
620	APPLY COATINGS	2-5-	RT
625	FINAL ASSEMBLY	2-6-09	RTZ
640	FUNCTION TEST AND	2-6-09	RTZ
650	TARGET	2-6-09	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-9-09	RTZ
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	2.49 2.34 2.36 2.37 2.39	2-9-09 RT
680	F) SAFETY ON FORCE	4° 4° 4°	2-9-09 RTZ
	G) SAFETY OFF FORCE	6° 6° 6°	2-9-09 RTZ
	I) FIRING PIN INDENT	.023 .023 .023	2-9-09 RTZ
690	PACK	2/11/09	Fry

NMP COPY 2

Ohio

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348998.___0

FILE DATE AND TIME: 02/09/2009 05:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.107
The Average Y Centroid of the Five Target Set:	0.081
The Average Point of Impact of the Five Target Set:	0.134
The Average Mean Radius of the Five Target Set:	0.895
The Distance from POA to Centroid Target #1:	0.437
The Distance from Centroid Target #2 to Centroid Target #1:	0.490
The Distance from Centroid Target #3 to Centroid Target #1:	0.454
The Distance from Centroid Target #4 to Centroid Target #1:	0.521
The Distance from Centroid Target #5 to Centroid Target #1:	0.318

SERIAL NUMBER: C6348998. 0

TARGET NUMBER: 1

FILE DATE: 02/09/2009

FILE TIME: 05:26

POINT#	X	Y
1:	-0.896	2.045
2:	0.671	1.625
3:	-0.602	1.485
4:	-0.169	0.857
5:	0.507	0.574
6:	0.406	-0.126
7:	0.126	-0.516
8:	-0.027	-0.415
9:	-0.499	-0.767
10:	-0.690	-0.557

X CENTROID: -0.117

Y CENTROID: 0.421

POA TO CENTROID: 0.437

HORZ SPREAD: 1.567

VERT SPREAD: 2.812

GROUP SPREAD: 2.840

MIN RADIUS: 0.440

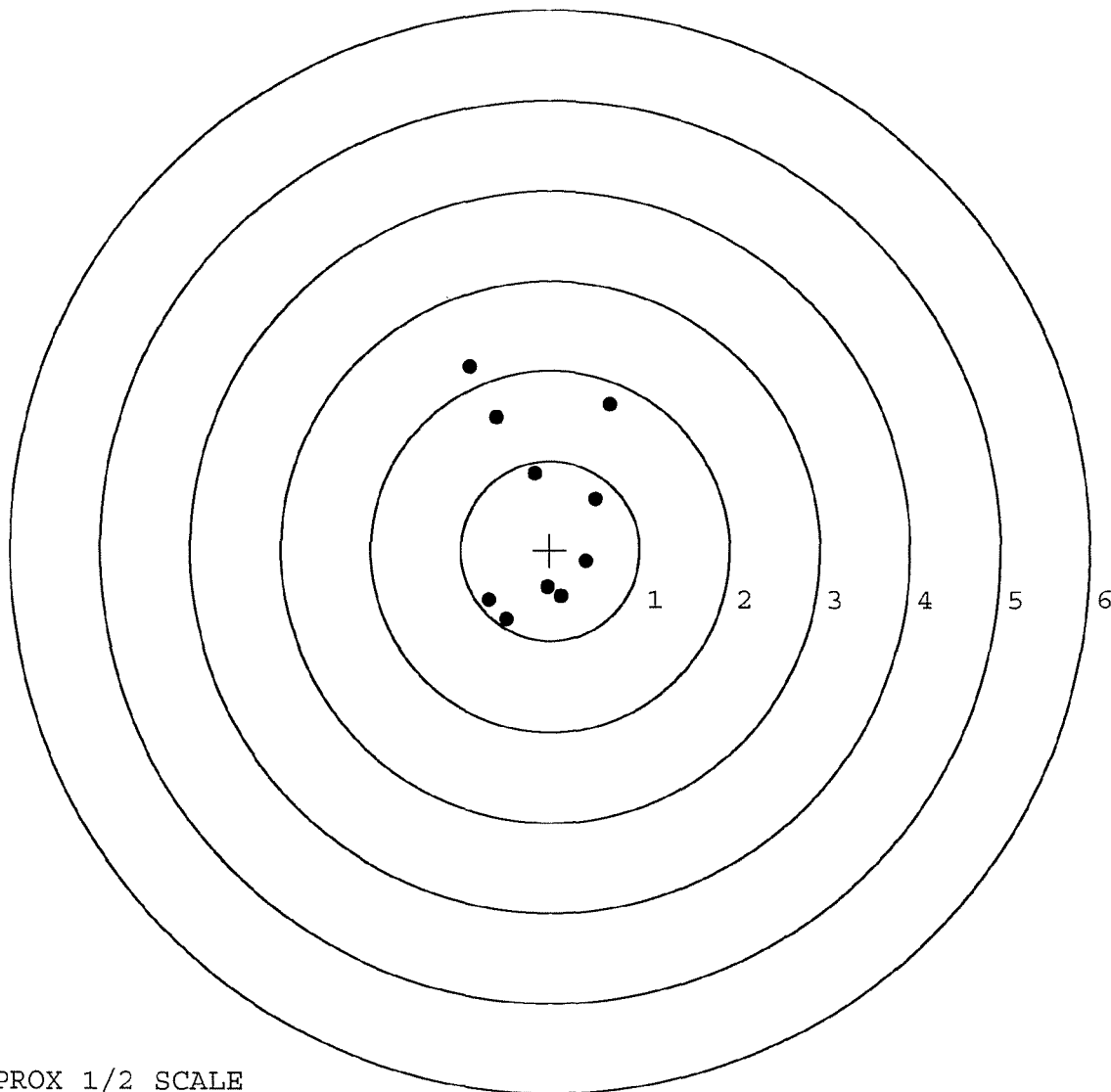
MAX RADIUS: 1.801

MEAN RADIUS: 1.044

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

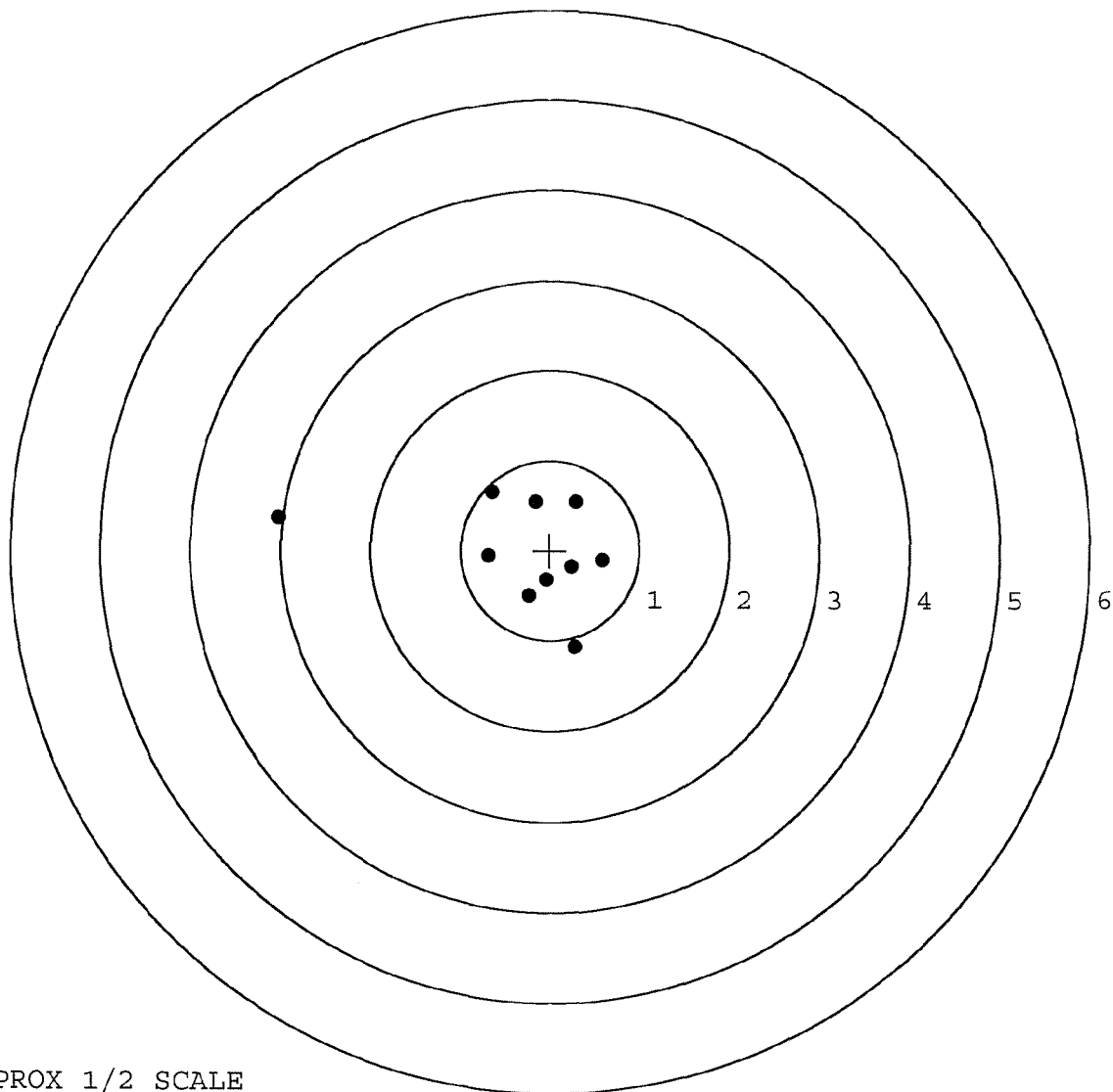


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348998. 0
TARGET NUMBER: 2
FILE DATE: 02/09/2009
FILE TIME: 05:26

POINT#	X	Y
1:	-0.653	0.655
2:	-0.691	-0.056
3:	-0.161	0.543
4:	0.293	0.542
5:	0.591	-0.111
6:	0.246	-0.183
7:	-0.042	-0.329
8:	-0.238	-0.510
9:	0.278	-1.078
10:	-3.031	0.371

X CENTROID: -0.341
Y CENTROID: -0.016
POA TO CENTROID: 0.341
HORZ SPREAD: 3.622
VERT SPREAD: 1.733
GROUP SPREAD: 3.654
MIN RADIUS: 0.353
MAX RADIUS: 2.718
MEAN RADIUS: 0.896
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348998. __0

TARGET NUMBER: 3

FILE DATE: 02/09/2009

FILE TIME: 05:26

POINT#	X	Y
1:	0.830	1.213
2:	0.091	-1.236
3:	-0.999	-0.619
4:	-0.773	-0.390
5:	-0.170	-0.372
6:	-0.211	0.108
7:	-0.888	0.501
8:	0.684	-0.138
9:	0.637	0.325
10:	0.339	0.332

X CENTROID: -0.046

Y CENTROID: -0.028

POA TO CENTROID: 0.054

HORZ SPREAD: 1.829

VERT SPREAD: 2.449

GROUP SPREAD: 2.589

MIN RADIUS: 0.214

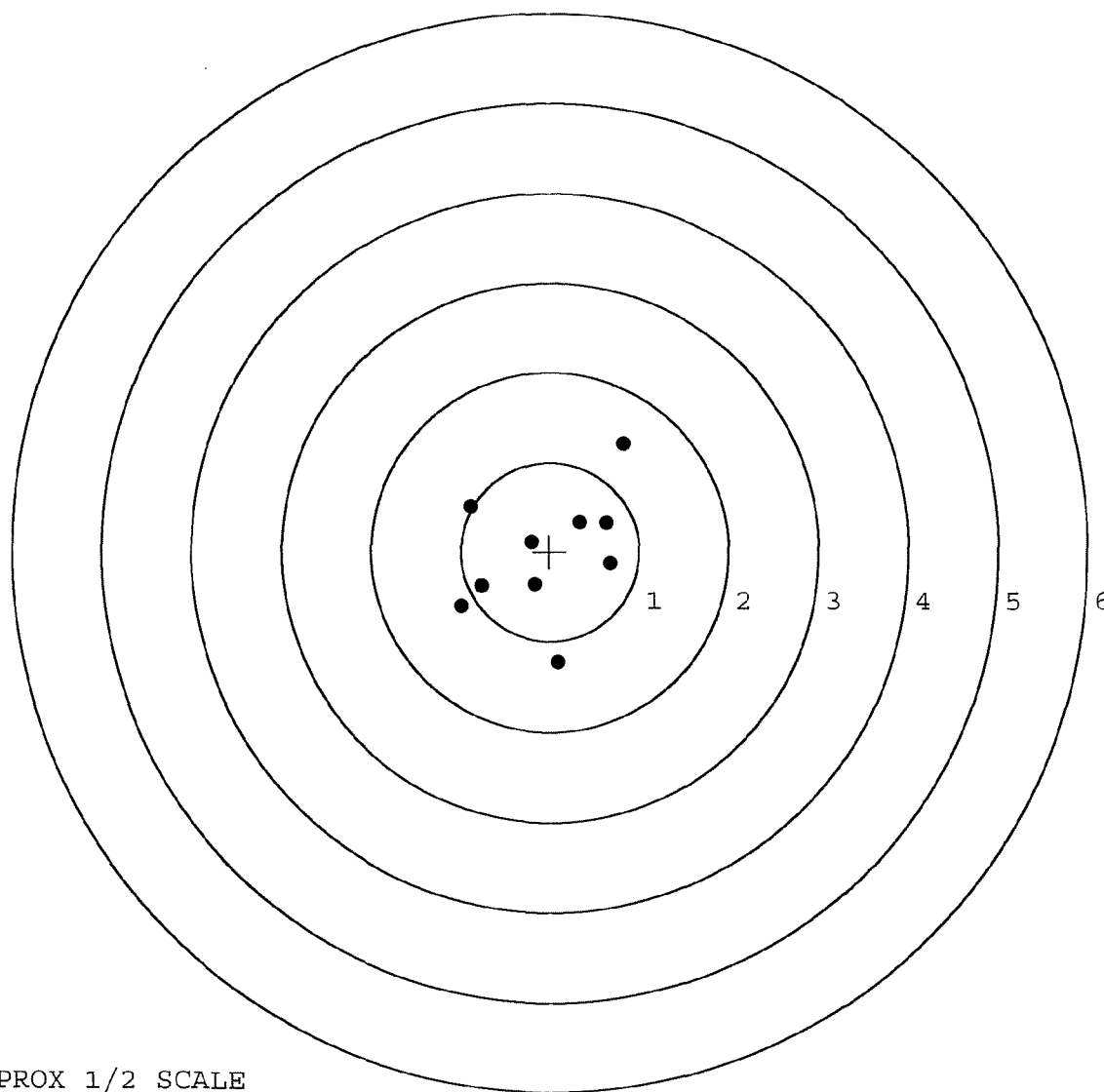
MAX RADIUS: 1.519

MEAN RADIUS: 0.828

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

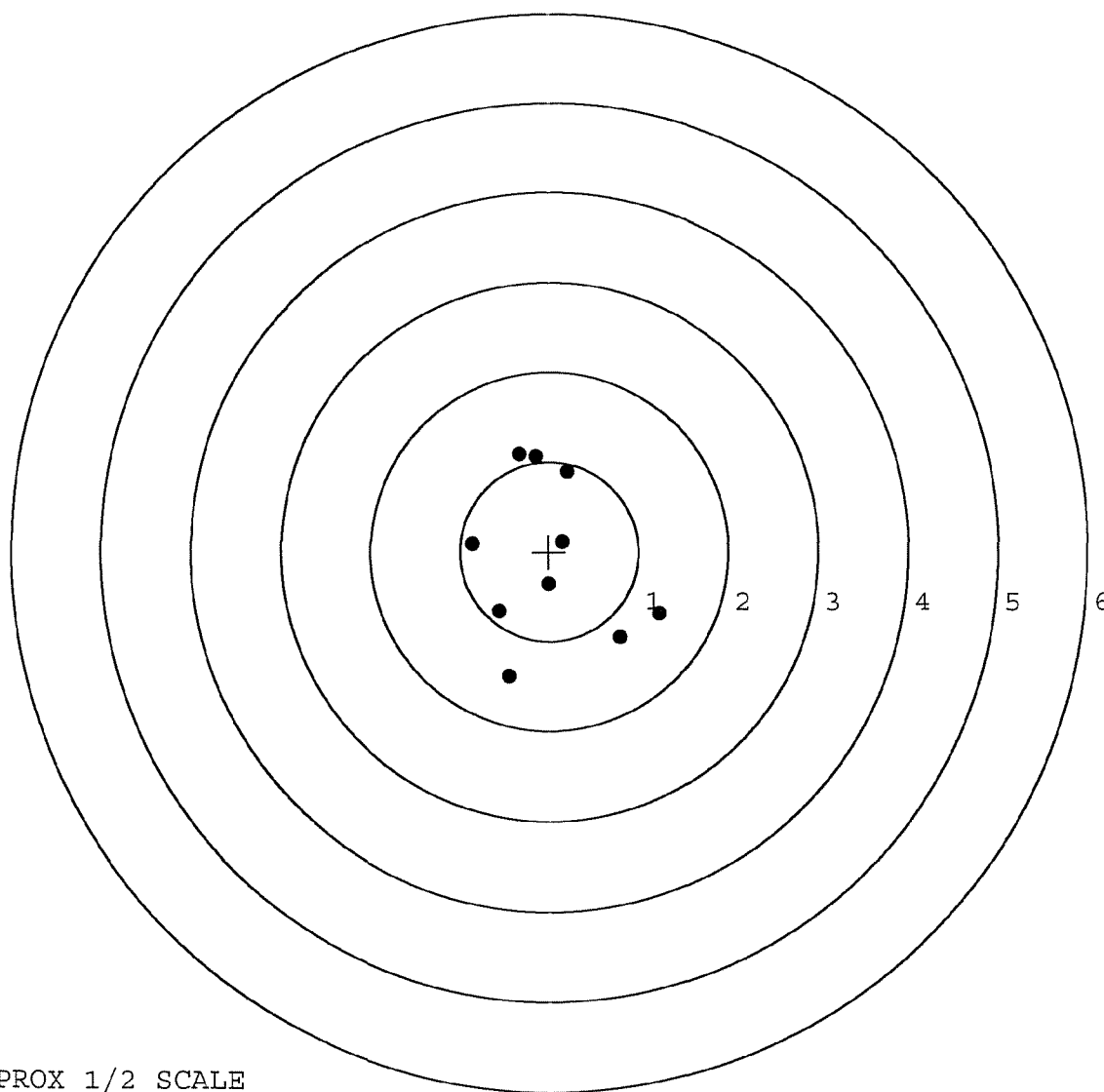


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348998. __0
TARGET NUMBER: 4
FILE DATE: 02/09/2009
FILE TIME: 05:26

POINT#	X	Y
1:	-0.343	1.085
2:	-0.152	1.054
3:	0.213	0.887
4:	-0.865	0.087
5:	0.152	0.110
6:	-0.010	-0.361
7:	-0.563	-0.667
8:	-0.457	-1.399
9:	0.797	-0.966
10:	1.233	-0.698

X CENTROID: 0.000
Y CENTROID: -0.087
POA TO CENTROID: 0.087
HORZ SPREAD: 2.098
VERT SPREAD: 2.484
GROUP SPREAD: 2.487
MIN RADIUS: 0.248
MAX RADIUS: 1.390
MEAN RADIUS: 0.953
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348998. __0

TARGET NUMBER: 5

FILE DATE: 02/09/2009

FILE TIME: 05:26

POINT#	X	Y
1:	-0.989	0.289
2:	-0.989	-0.288
3:	0.906	1.691
4:	0.497	0.603
5:	0.257	0.277
6:	0.150	0.108
7:	0.431	0.042
8:	-0.057	-0.258
9:	-0.167	-0.658
10:	-0.362	-0.667

X CENTROID: -0.032

Y CENTROID: 0.114

POA TO CENTROID: 0.118

HORZ SPREAD: 1.895

VERT SPREAD: 2.358

GROUP SPREAD: 2.740

MIN RADIUS: 0.182

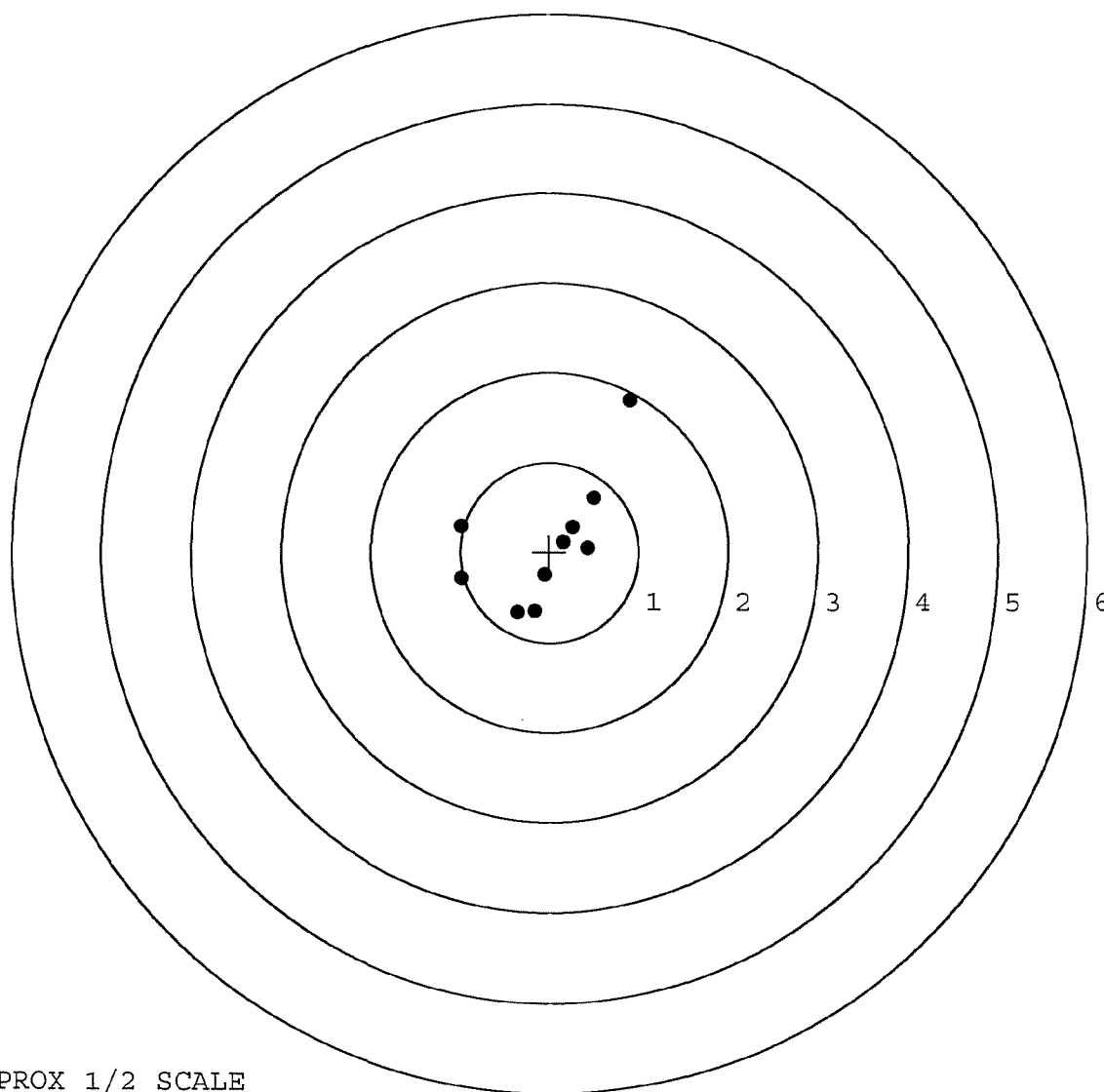
MAX RADIUS: 1.835

MEAN RADIUS: 0.755

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE




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

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

MODEL 700™ M24

SERIAL NO. C6348998

ORDER NO. 5716

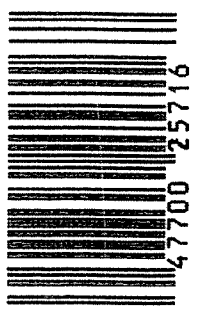
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6348998

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06548998

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/3/90	GB
17	Drill and Tap Sight Holes		1/8/90	HB
618	Polish Barrel RB		1/4/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/2/90	GB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1-23-90	JL
	G) Safety Off Force	3	3	3			1-23-90	KE
	H) Trigger Pull Test & Retainability						2/12/90	JS
	I) Firing Pin Indent	.023	.023	.023			1-23-90	QCP
	J) Assemble Stock						1/23/90	FW
	K) Assemble Swivel Studs						3/11/90	WB
	L) Attach Front and Rear Sight Assemblies						1/26/90	RW
	M) Iron Sight Alignment						1/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container						1/26/90	RW
	O) Attach Scope to Rifle						3/6/90	WB
	P) Detach & Attach Scope 20 Times						3/6/90	WB
640	Gallery Target & Test						3-8-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						3-8-90	A
655	Final Inspection						3/13/90	WB
	A) Headspace							
	B) Trigger Pull	7.54	7.78	7.67	7.75	7.70	3/13/90	CS
	C) Function						3/13/90	WB
660	Pack						3/13/90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348998

DATE 1-12-90

TESTER JAL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.28	2.54	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.58	2.42	2.78	
PULL #3	2.23	2.44	2.37	2.67	
PULL #4	2.18	2.47	2.37	2.75	
PULL #5	2.26	2.45	2.38	2.70	
TOTAL	11.56	12.22	12.08		
AVG.	2.312	2.444	2.416		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.24		
PULL #2	3.31	3.25		
PULL #3	3.26	3.25		
PULL #4	3.29	3.29		
PULL #5	3.29	3.28		
TOTAL	16.51	16.31		
AVG.	3.302	3.262		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.07	4.06		3.85
PULL #2	4.06	4.06		3.70
PULL #3	4.08	4.08		3.86
PULL #4	4.08	4.08		3.83
PULL #5	4.11	4.09		3.82
TOTAL	20.40	20.37		19.06
AVG.	4.08	4.074		3.812

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348998
8 Mar 1990

CENTROIDAL DISTANCES

0 TO 1	.315484
1 TO 2	.365645
1 TO 3	.34442
1 TO 4	.585126
1 TO 5	.430836

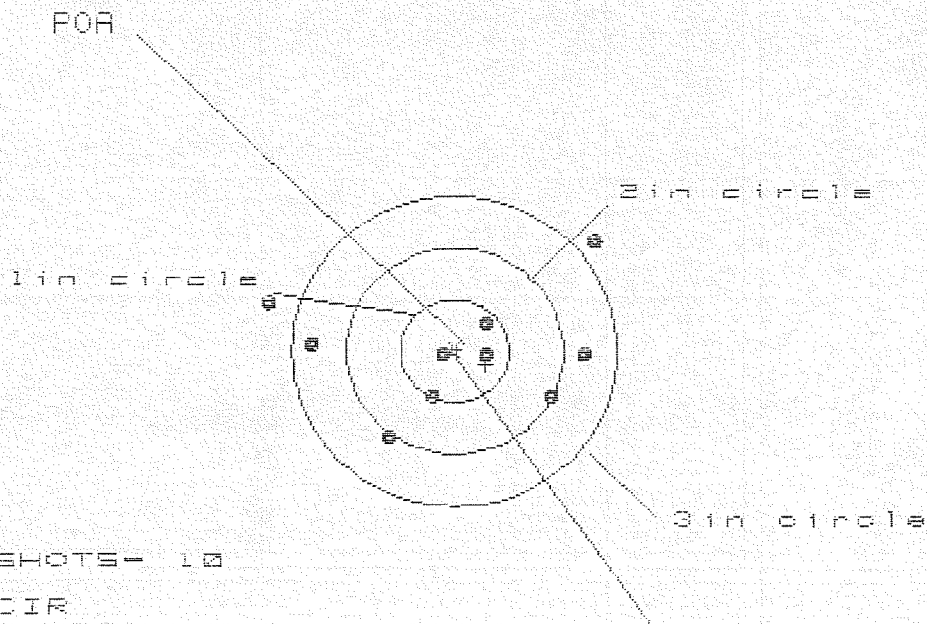
a_2^4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1758
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0614
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .186214
THE AMR FOR THIS RIFLE IS: .8112

B Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6346998

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 4

3 in = 8

HS= 2.960

VS= 1.889

GS= 3.009

CENTROID #

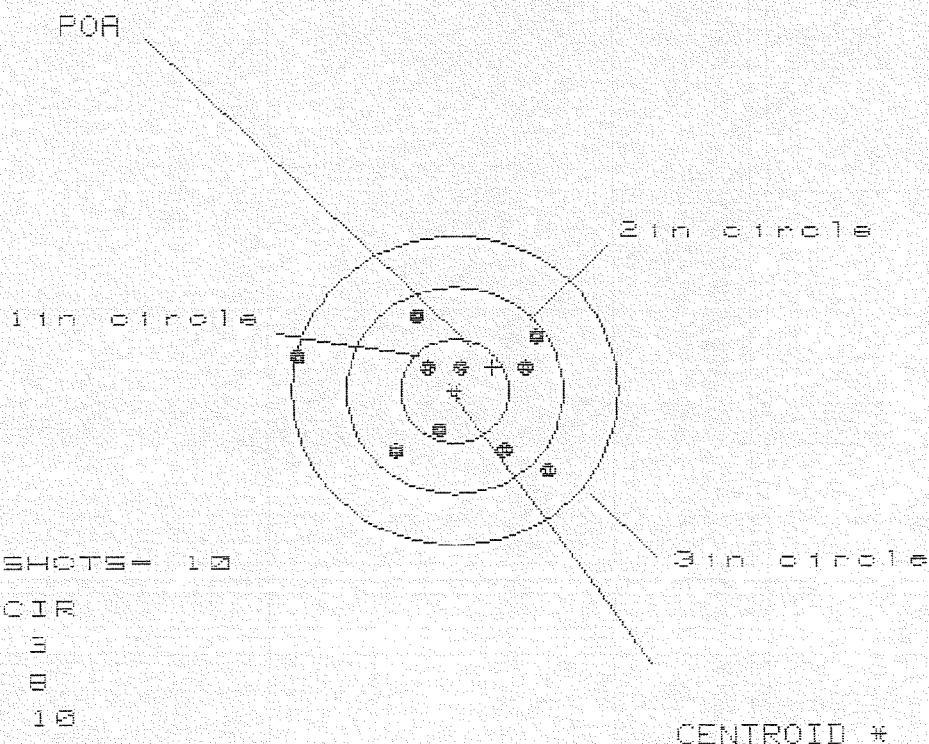
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.277	1.090	1.134
MINIMUM X	-1.683	-1.457	-1.321
MAXIMUM Y	1.034	1.089	.413
MINIMUM Y	-.855	-.800	-.664
CENTROID X	-.287	-.100	-.236
CENTROID Y	.131	.076	-.060
POA TO CENTROID in.	.316	.126	.244
MIN RADIUS	.079	.100	.244
MEAN RADIUS	.909	.796	.708
MAX RADIUS	1.754	1.541	1.344
HORIZONTAL SPREAD	2.960	2.547	2.455
VERTICAL SPREAD	1.889	1.889	1.077
EXTREME SPREAD	3.009	2.728	2.458
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B998

CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.256

VS= 1.499

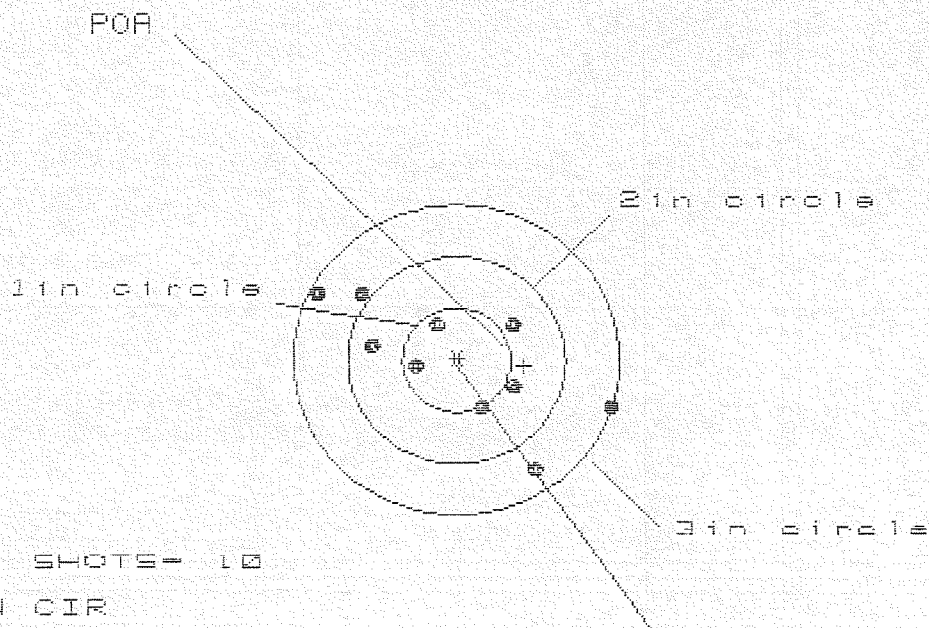
GS= 2.502

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.829	.671	.651
MINIMUM X	-1.427	-.704	-.626
MAXIMUM Y	.729	.763	.671
MINIMUM Y	-.770	-.736	-.643
CENTROID X	-.351	-.193	-.277
CENTROID Y	-.229	-.263	-.171
POA TO CENTROID in.	.419	.327	.326
MIN RADIUS	.231	.274	.165
MEAN RADIUS	.763	.682	.624
MAX RADIUS	1.460	.996	.894
HORIZONTAL SPREAD	2.256	1.375	1.271
VERTICAL SPREAD	1.499	1.499	1.315
EXTREME SPREAD	2.502	1.931	1.709
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

8 Mar 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C934B998

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.657

VS= 1.763

GS= 2.889

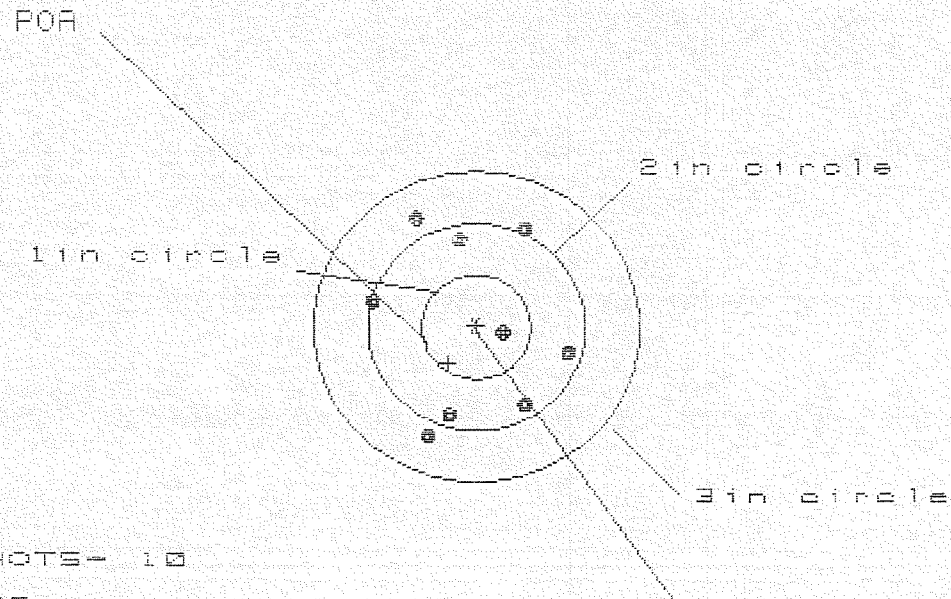
CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.401	.902	.764
MINIMUM X	-1.256	-1.100	-.825
MAXIMUM Y	.693	.644	.670
MINIMUM Y	-1.070	-1.119	-1.039
CENTROID X	-.622	-.778	-.640
CENTROID Y	.051	.100	.020
POA TO CENTROID in.	.624	.784	.641
MIN RADIUS	.346	.216	.323
MEAN RADIUS	.855	.770	.706
MAX RADIUS	1.469	1.438	1.290
HORIZONTAL SPREAD	2.657	2.002	1.589
VERTICAL SPREAD	1.763	1.763	1.709
EXTREME SPREAD	2.889	2.668	2.334
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06348998

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.827

VS= 2.109

GS= 2.236

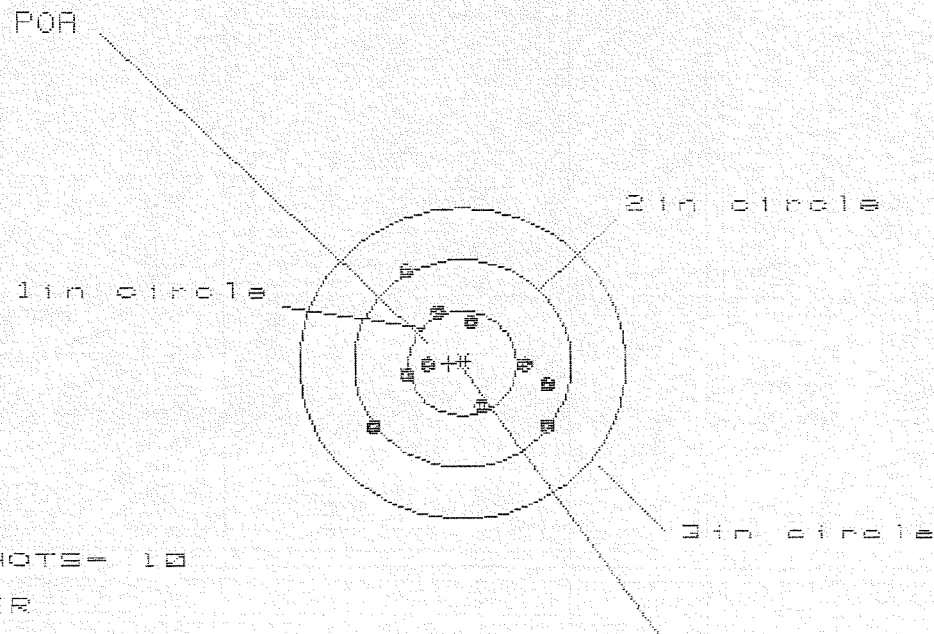
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.847	.790	.726
MINIMUM X	:	-.980	-1.037	-1.101
MAXIMUM Y	:	1.059	1.114	.997
MINIMUM Y	:	-1.050	-.932	-.868
CENTROID X	:	.256	.313	.377
CENTROID Y	:	.349	.231	.348
POA TO CENTROID in.	:	.433	.389	.513
MIN RADIUS	:	.284	.234	.165
MEAN RADIUS	:	.854	.797	.745
MAX RADIUS	:	1.177	1.179	1.121
HORIZONTAL SPREAD	:	1.827	1.827	1.827
VERTICAL SPREAD	:	2.109	2.046	1.965
EXTREME SPREAD	:	2.236	2.236	1.988
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8348998

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.641

VS= 1.555

GS= 2.071

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.740	.628
MINIMUM X	:	-.838	-.901	-.705
MAXIMUM Y	:	.943	.602	.542
MINIMUM Y	:	-.612	-.507	-.567
CENTROID X	:	.125	.188	.300
CENTROID Y	:	.005	-.100	-.040
POA TO CENTROID in.	:	.125	.213	.303
MIN RADIUS	:	.307	.289	.319
MEAN RADIUS	:	.675	.626	.567
MAX RADIUS	:	1.099	1.019	.846
HORIZONTAL SPREAD	:	1.641	1.641	1.333
VERTICAL SPREAD	:	1.555	1.109	1.109
EXTREME SPREAD	:	2.071	1.641	1.523
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		