

C6587575

MODEL 700™ M24

Model **SMS**™

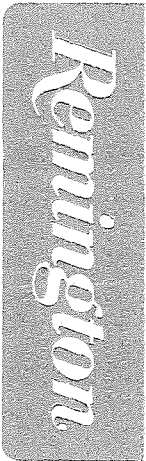
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools GSF Tools Reports Table Maintenance System Maintenance Help

Repair Number: **RE00045875** Serial: C6587575 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 5/17/02 8:51:32 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **SUPPLY CENTER** **SUPPLY CENTER**

Address 1: **2950 NORTH PARK RD** **2950 NORTH PARK RD**

Address 2: **PO Box:** **PO Box:**

City: **LINCOLN** **LINCOLN**

State: **NE** Zip Code: **68521** Country: **US** State: **NE** Zip Code: **68521** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Poor Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

raglel 5/17/02 7:47 AM CAPS NUM INS SERL

Start Inbo... Calc... Micr... SAP... Goo... Ar... Print... 7:47 AM

Serial Number: **C6587575**

Model: **700**



RE00045875

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587575.___0

FILE DATE AND TIME: 05/17/2002 13:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

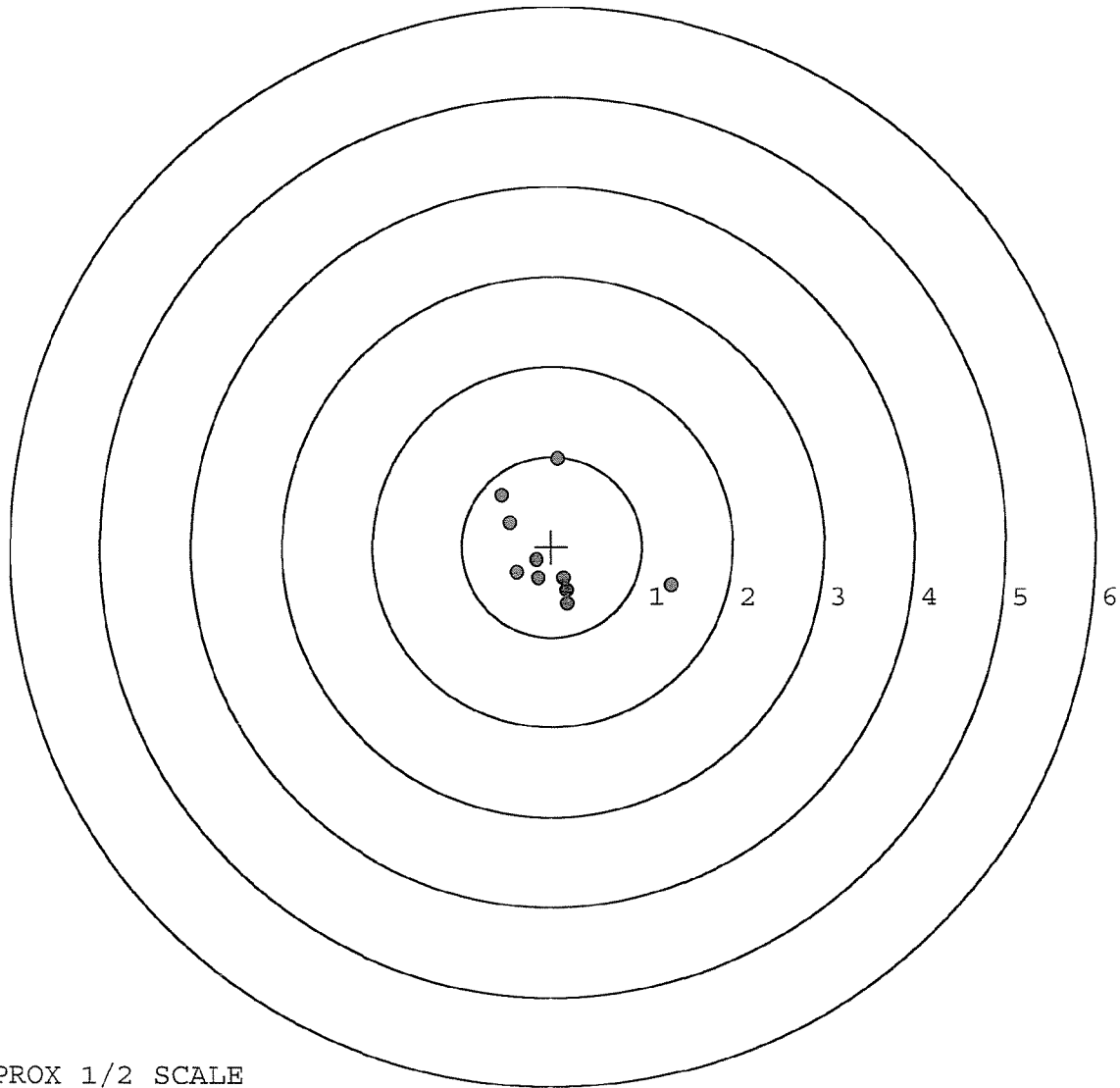
The Average X Centroid of the Five Target Set:	-0.017
The Average Y Centroid of the Five Target Set:	0.045
The Average Point of Impact of the Five Target Set:	0.049
The Average Mean Radius of the Five Target Set:	0.580
The Distance from POA to Centroid Target #1:	0.088
The Distance from Centroid Target #2 to Centroid Target #1:	0.068
The Distance from Centroid Target #3 to Centroid Target #1:	0.254
The Distance from Centroid Target #4 to Centroid Target #1:	0.230
The Distance from Centroid Target #5 to Centroid Target #1:	0.181

BARBER - M24 0023001

SERIAL NUMBER: C6587575. 0
 TARGET NUMBER: 1
 FILE DATE: 05/17/2002
 FILE TIME: 13:36

POINT#	X	Y
1:	1.322	-0.430
2:	0.175	-0.629
3:	-0.469	0.263
4:	-0.563	0.570
5:	0.071	0.978
6:	-0.388	-0.292
7:	-0.167	-0.149
8:	-0.150	-0.351
9:	0.135	-0.352
10:	0.173	-0.482

X CENTROID: 0.014
 Y CENTROID: -0.087
 POA TO CENTROID: 0.088
 HORZ SPREAD: 1.885
 VERT SPREAD: 1.607
 GROUP SPREAD: 2.134
 MIN RADIUS: 0.191
 MAX RADIUS: 1.352
 MEAN RADIUS: 0.612
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023002

SERIAL NUMBER: C6587575. __0

TARGET NUMBER: 2

FILE DATE: 05/17/2002

FILE TIME: 13:36

POINT#	X	Y
1:	0.221	-0.777
2:	-0.787	-0.016
3:	-0.542	0.516
4:	0.565	0.534
5:	0.359	-0.369
6:	0.336	-0.137
7:	0.104	-0.251
8:	0.182	0.093
9:	-0.038	-0.054
10:	-0.165	0.262

X CENTROID: 0.024

Y CENTROID: -0.020

POA TO CENTROID: 0.031

HORZ SPREAD: 1.352

VERT SPREAD: 1.311

GROUP SPREAD: 1.460

MIN RADIUS: 0.070

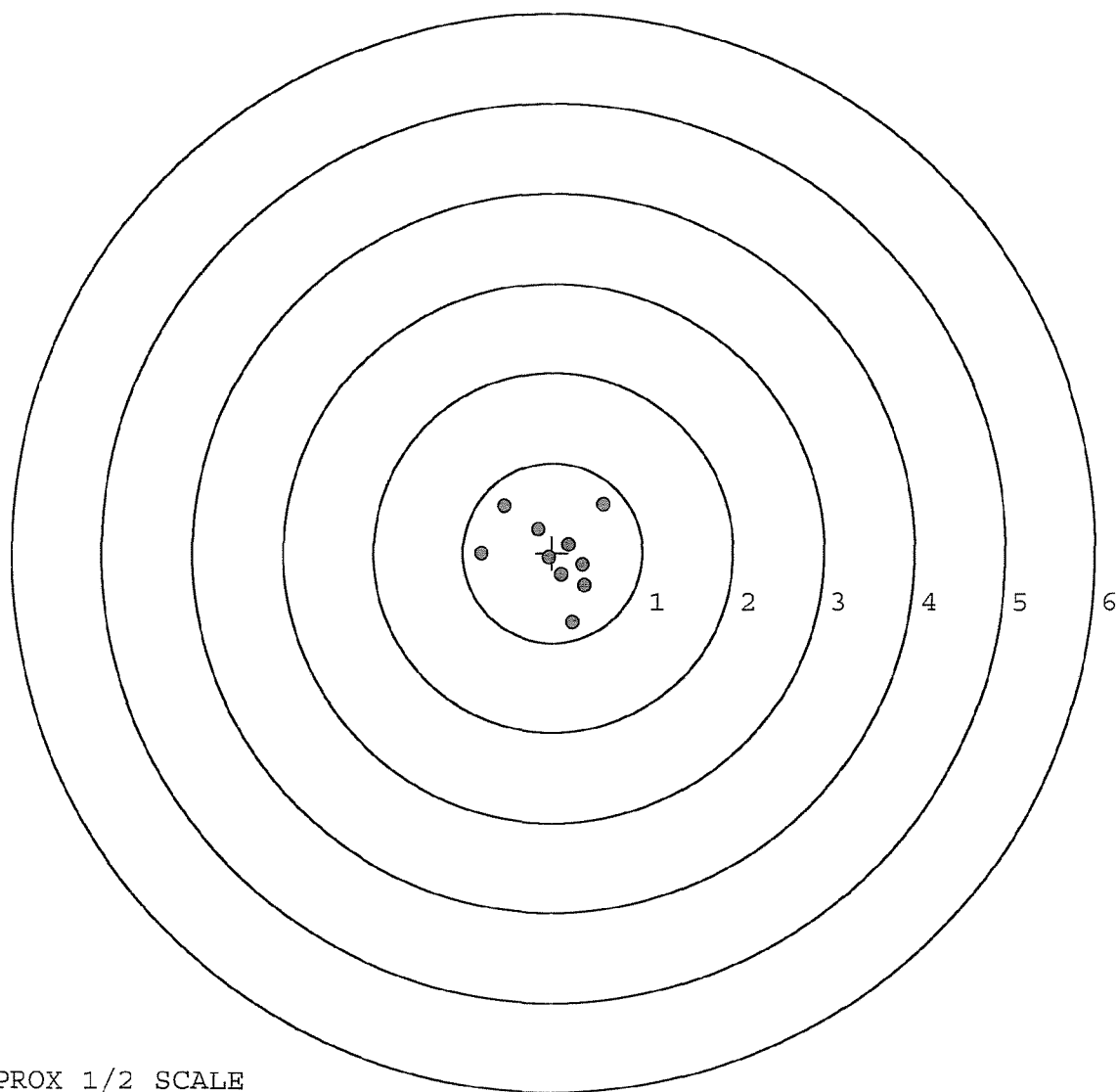
MAX RADIUS: 0.811

MEAN RADIUS: 0.481

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

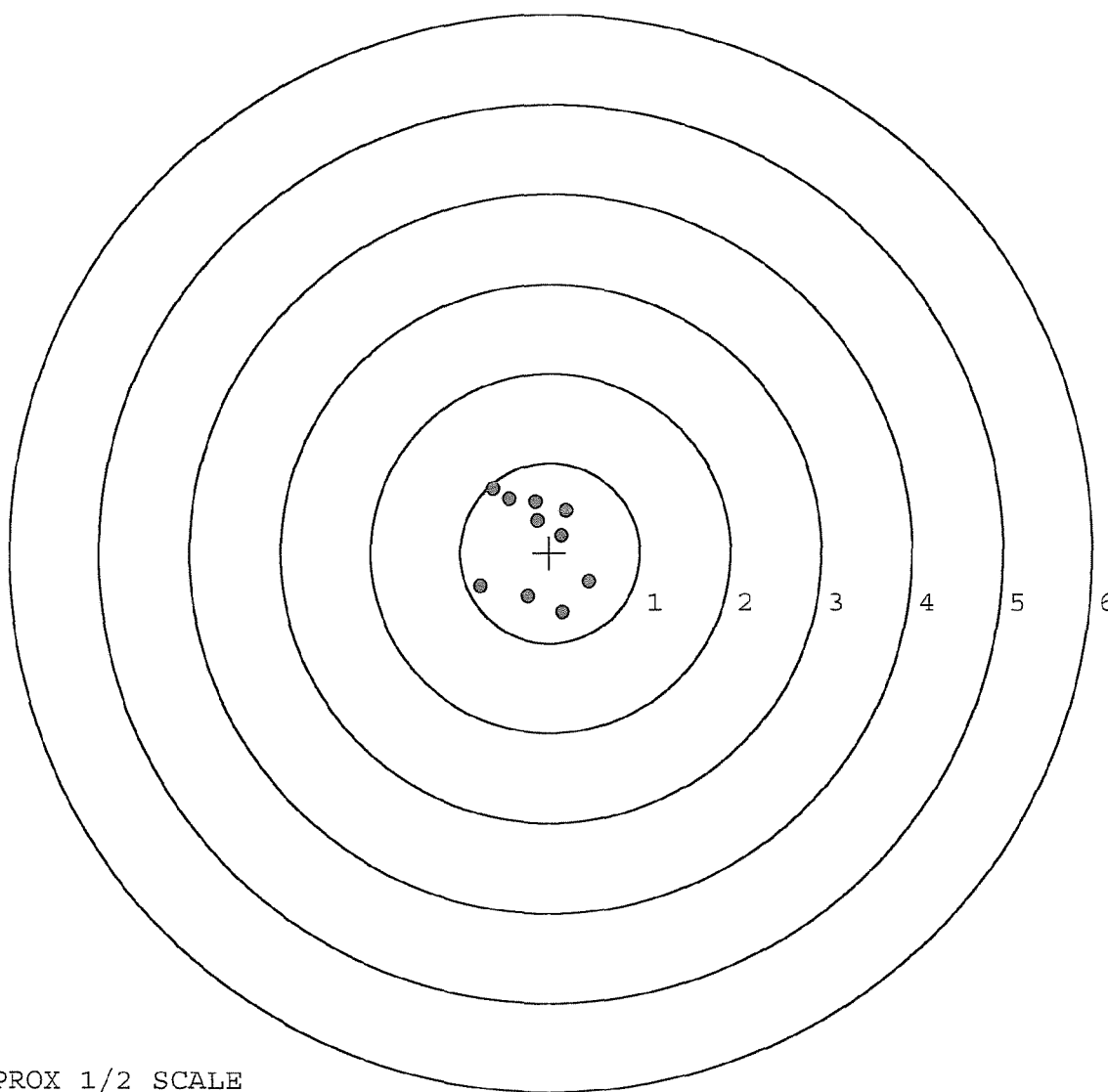
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023003

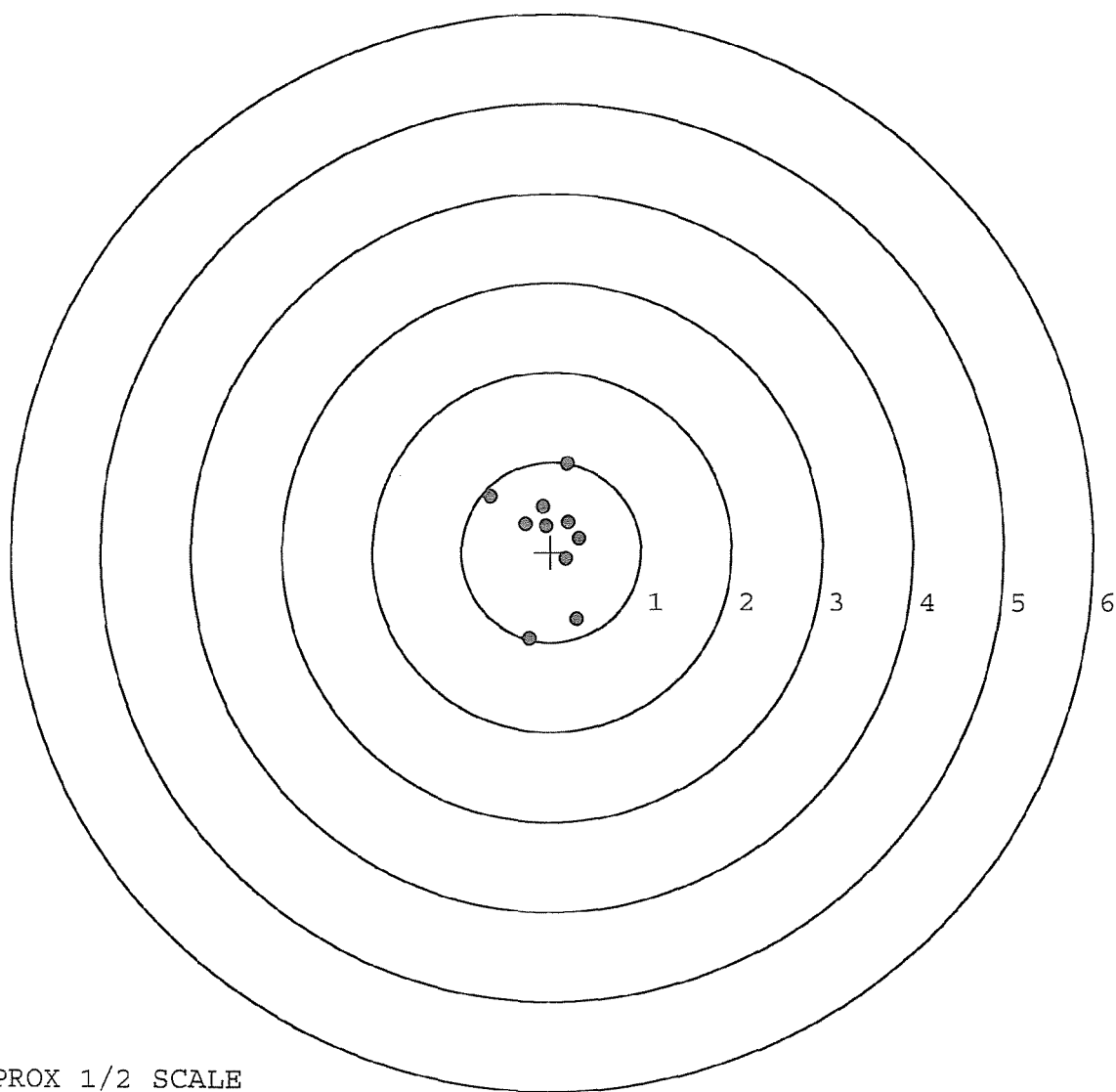
SERIAL NUMBER: C6587575. __0	POINT#	X	Y
TARGET NUMBER: 3	1:	0.435	-0.325
FILE DATE: 05/17/2002	2:	0.143	-0.666
FILE TIME: 13:36	3:	-0.243	-0.481
	4:	-0.776	-0.376
X CENTROID: -0.153	5:	-0.638	0.708
Y CENTROID: 0.105	6:	-0.454	0.599
POA TO CENTROID: 0.185	7:	-0.161	0.568
HORZ SPREAD: 1.211	8:	0.183	0.472
VERT SPREAD: 1.374	9:	0.132	0.193
GROUP SPREAD: 1.580	10:	-0.146	0.359
MIN RADIUS: 0.254			
MAX RADIUS: 0.826			
MEAN RADIUS: 0.580			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0023004

SERIAL NUMBER: C6587575. 0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.293	-0.752
FILE DATE: 05/17/2002	2:	-0.236	-0.965
FILE TIME: 13:36	3:	0.173	-0.075
	4:	0.310	0.151
X CENTROID: -0.022	5:	0.191	0.331
Y CENTROID: 0.139	6:	-0.094	0.506
POA TO CENTROID: 0.141	7:	-0.293	0.313
HORZ SPREAD: 0.993	8:	-0.683	0.610
VERT SPREAD: 1.948	9:	0.175	0.983
GROUP SPREAD: 1.991	10:	-0.061	0.292
MIN RADIUS: 0.157			
MAX RADIUS: 1.125			
MEAN RADIUS: 0.551			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0023005

SERIAL NUMBER: C6587575. __0

TARGET NUMBER: 5

FILE DATE: 05/17/2002

FILE TIME: 13:36

POINT#	X	Y
1:	0.625	-0.410
2:	0.372	-0.495
3:	0.089	-0.951
4:	0.868	0.147
5:	0.191	0.688
6:	0.136	0.478
7:	-0.227	0.599
8:	-0.119	0.230
9:	-0.474	0.455
10:	-0.951	0.161

X CENTROID: 0.051

Y CENTROID: 0.090

POA TO CENTROID: 0.104

HORZ SPREAD: 1.819

VERT SPREAD: 1.639

GROUP SPREAD: 1.642

MIN RADIUS: 0.220

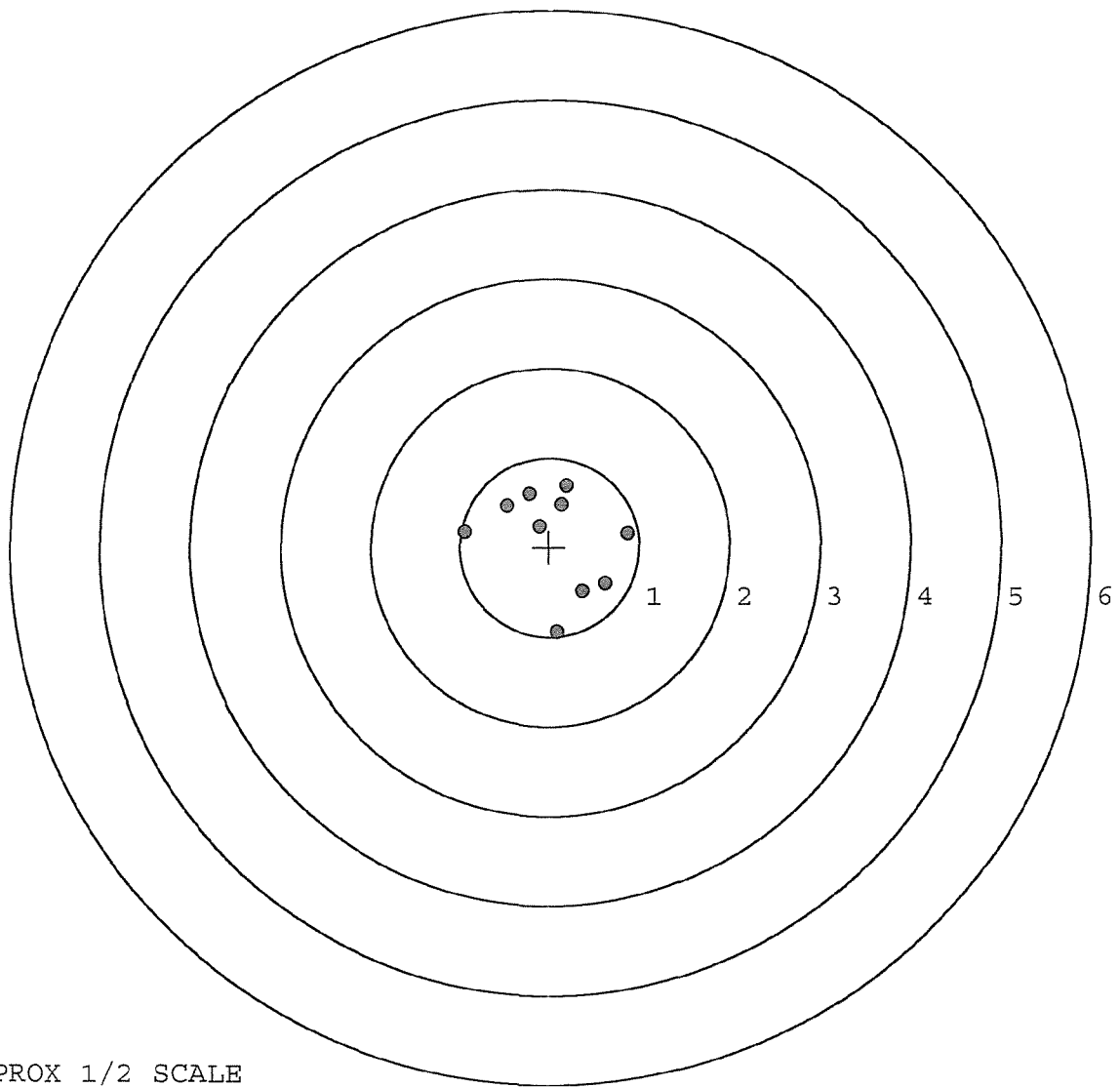
MAX RADIUS: 1.042

MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 45875			
SERIAL NUMBER C6587575			
LOG-IN DATE 5/1/02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5/1/02	RL
560 A	RE-BARREL AT CUSTOM SHOP	5/2/02	BSWT
B	DRILL AND TAP	5/2/02	BSWT
C	POLISH		
575	ASSEMBLE	5/3/02	RL
600	PROOF MAGNA - FLUX	5/3/02	PL
605	CHECK HEADSPACE	5/3/02	PL
610	DIS-ASSEMBLE GUN	5/3/02	RL
612	MAGNAFLUX OPERATOR ARS	5	
615	ROLLMARK CALIBER	5/6/02	AB
618	ROTO-BLAST	5/7	KO
620	APPLY COATINGS	5-9	TD
625 A	FINAL ASSEMBLY	5/15/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	5-16-02	TRLW
655	FINAL INSPECT	5-20-02	RL
660	PACK	5-20-02	RA
		SHIP DATE	
		QAR INSPECTION DATE	

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

Remington®
REG. U.S. PAT. & TM. OFF.

DUPONT

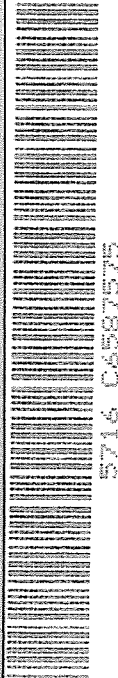
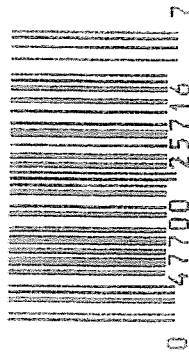
MODEL 700™ M24

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

SERIAL NO.
06587575

ORDER NO.
5716

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

CG587575

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	RW
600	Proof	1023	90	RW
607	Check Headspace	1023	90	RW
610	Dis-assemble Gun	1023	90	RW
612	Magnaflux Barrel Action		11/24/90	KR
	Magnaflux Bolt		11/24/90	KR
615	Rollmark Caliber		11/24/90	LS
617	Drill and Tap Sight Holes		11/25/90	LB
618	Polish Barrel	RB	11/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	DT
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/29/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/29/90	RW
	C) Inspect Ejector Hole for Chamfer		11/29/90	RW
	D) Oil Firing Pin Ass'y		11/29/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/29/90	WB

BARBER - M24 0023009		READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	11/21/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/21/90	WB		
	H) Trigger Pull Test & Retainability				11/19/90	WB		
	I) Firing Pin Indent	.023	.023	.023	11/21/90	WB		
	J) Assemble Stock				11/29/90	RW		
	K) Assemble Swivel Studs				12-1-90	JSB		
	L) Attach Front and Rear Sight Assemblies				11/29/90	RW		
	M) Iron Sight Alignment				11/29/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/29/90	RW		
	O) Attach Scope to Rifle				11/29/90	RW		
	P) Detach & Attach Scope 20 Times				11/29/90	RW		
640	Gallery Target & Test				11-30-90	DH		
	A) Time				11-30-90	DH		
	B) Malfunctions				11-30-90	DH		
	C) Pierced Primers				11-30-90	DH		
	D) Optical Clarity of Scope				11-30-90	DH		
645	Inspect for Live Ammo				11-30-90	DH		
655	Final Inspection							
	A) Headspace				12-1-90	JSB		
	B) Trigger Pull	287	275	278	252	247	12-1-90	JSB
	C) Function						12-1-90	JSB
660	Pack						12-15-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587575

DATE 11/19/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.46	2.50	2.87	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.45	2.51	2.75	
PULL #3	2.47	2.49	2.43	2.78	
PULL #4	2.52	2.25	2.45	2.52	
PULL #5	2.36	2.34	2.54	2.41	
TOTAL	12.13	11.99	12.43		
AVG.	2.42	2.40	2.48		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.33		
PULL #2	3.19	3.09		
PULL #3	3.09	3.20		
PULL #4	3.12	3.30		
PULL #5	3.28	3.14		
TOTAL	15.93	16.06		
AVG.	3.19	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.29		4.33
PULL #2	4.21	4.07		4.09
PULL #3	4.23	4.28		4.17
PULL #4	4.26	4.00		4.38
PULL #5	4.25	3.96		4.07
TOTAL	21.08	20.60		21.04
AVG.	4.21	4.12		4.21

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587575
30 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.180936
1 TO	2	.165239
1 TO	3	.176819
1 TO	4	.431422
1 TO	5	.528683

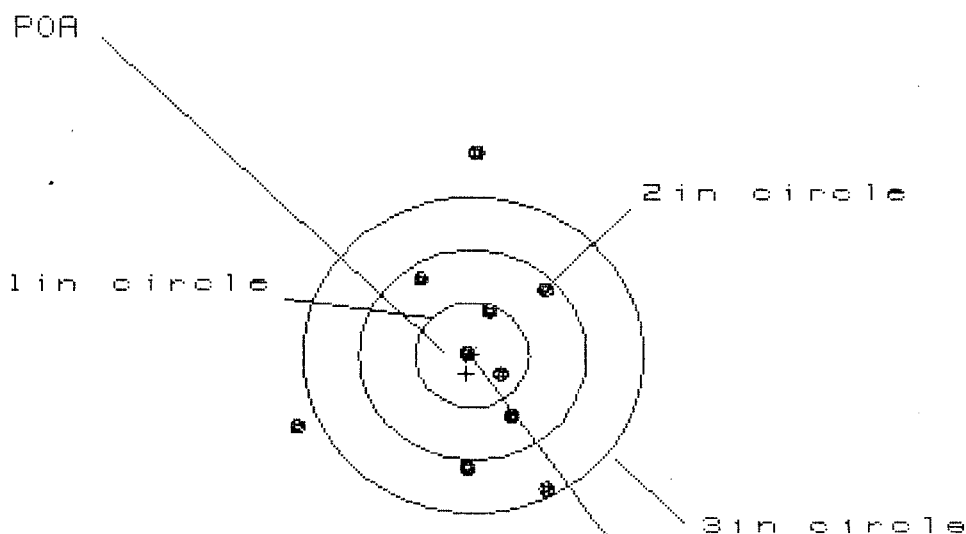
8
4 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0706
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0114
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0715145
THE AMR FOR THIS RIFLE IS: .9212

30 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587575

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 8

HS = 2.203

VS = 3.204

GS = 3.274

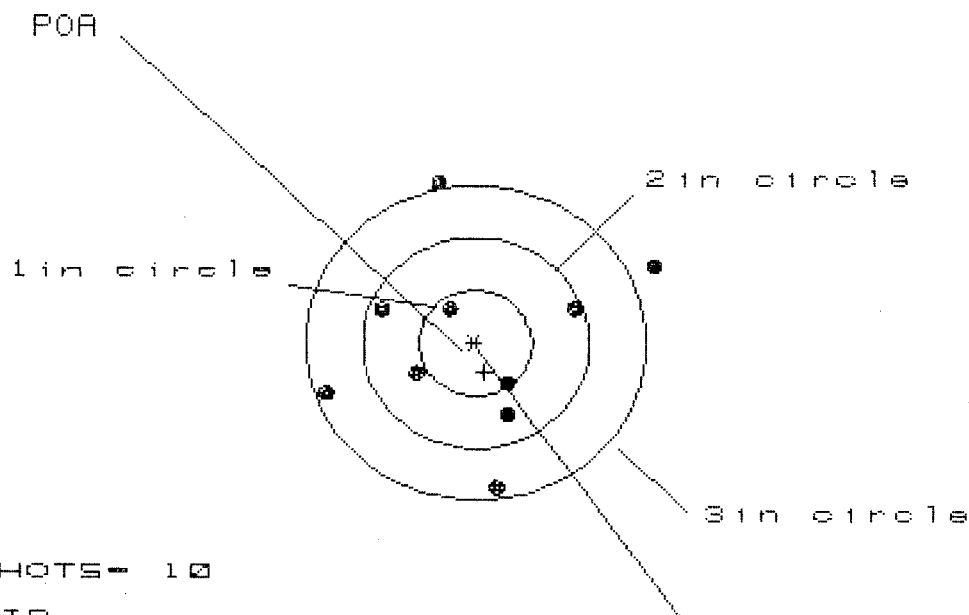
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.671	.670	.479
MINIMUM X	:	-1.532	-1.533	-.687
MAXIMUM Y	:	1.927	.960	.905
MINIMUM Y	:	-1.277	-1.063	-1.118
CENTROID X	:	.053	.054	.245
CENTROID Y	:	.173	-.041	.014
POA TO CENTROID in.	:	.181	.067	.246
MIN RADIUS	:	.030	.242	.079
MEAN RADIUS	:	.943	.843	.707
MAX RADIUS	:	1.927	1.593	1.216
HORIZONTAL SPREAD	:	2.203	2.203	1.166
VERTICAL SPREAD	:	3.204	2.023	2.023
EXTREME SPREAD	:	3.274	2.555	2.335
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	8		

30 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587575

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.856

VS = 2.956

GS = 3.088

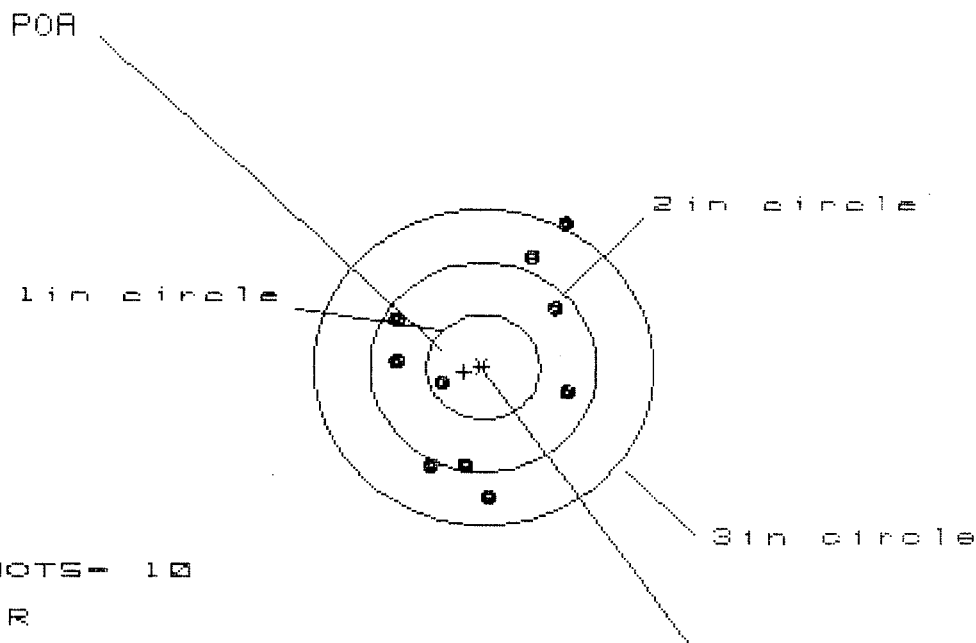
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.535	1.028	1.003
MINIMUM X	-1.321	-1.150	-1.175
MAXIMUM Y	1.546	1.622	.627
MINIMUM Y	-1.410	-1.334	-1.131
CENTROID X	-.077	-.248	-.223
CENTROID Y	.275	.199	-.004
POA TO CENTROID in.	.285	.318	.223
MIN RADIUS	.378	.370	.345
MEAN RADIUS	.995	.900	.794
MAX RADIUS	1.680	1.634	1.194
HORIZONTAL SPREAD	2.856	2.178	2.178
VERTICAL SPREAD	2.956	2.956	1.758
EXTREME SPREAD	3.088	3.015	2.314
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

30 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587575

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.547

VS= 2.560

GS= 2.644

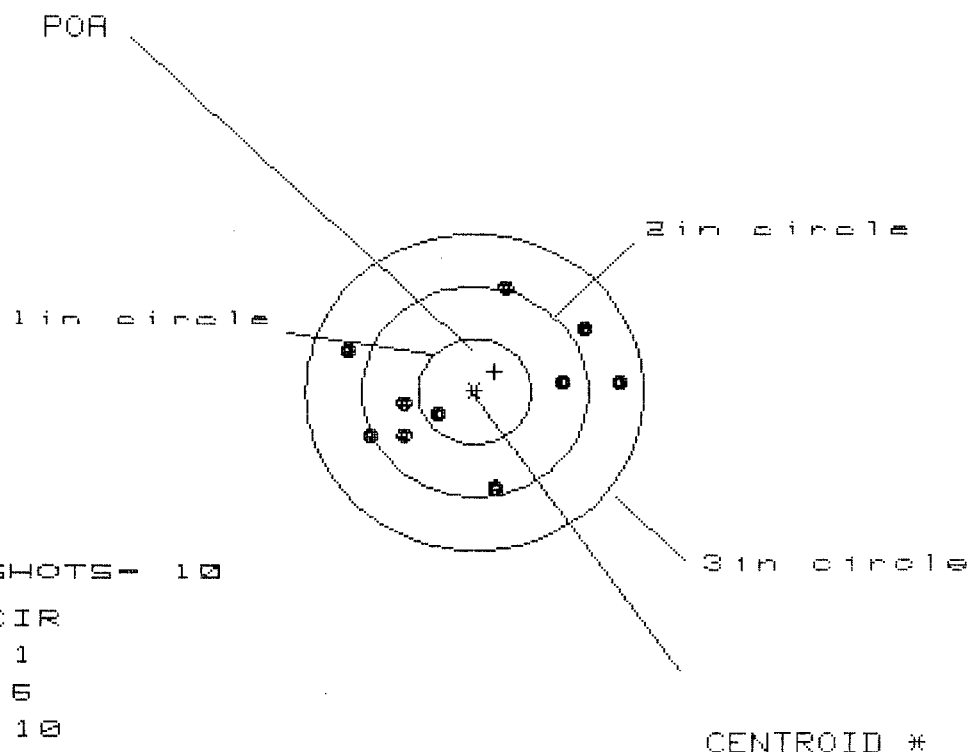
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.738	.812	.832
MINIMUM X	:	-.809	-.727	-.707
MAXIMUM Y	:	1.340	1.243	1.109
MINIMUM Y	:	-1.220	-1.072	-.969
CENTROID X	:	.166	.084	.064
CENTROID Y	:	.037	-.111	.023
POA TO CENTROID in.	:	.170	.139	.068
MIN RADIUS	:	.434	.331	.333
MEAN RADIUS	:	.961	.873	.842
MAX RADIUS	:	1.529	1.336	1.220
HORIZONTAL SPREAD	:	1.547	1.539	1.539
VERTICAL SPREAD	:	2.560	2.315	2.078
EXTREME SPREAD	:	2.644	2.338	2.240
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

30 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587575

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in = 10

HS= 2.385

VS= 1.854

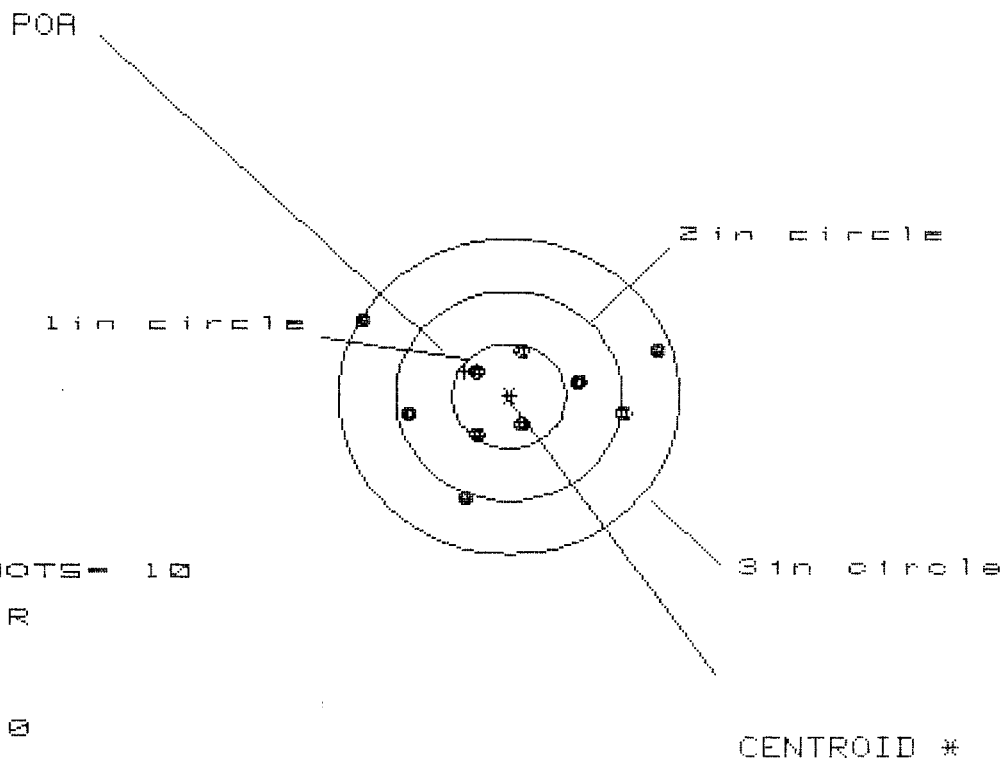
GS= 2.402

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.296	1.157	1.038
MINIMUM X	:	-1.089	-.945	-.926
MAXIMUM Y	:	.961	.970	1.016
MINIMUM Y	:	-.893	-.884	-.837
CENTROID X	:	-.177	-.321	-.202
CENTROID Y	:	-.192	-.201	-.247
POA TO CENTROID in.	:	.261	.378	.320
MIN RADIUS	:	.336	.225	.285
MEAN RADIUS	:	.909	.835	.819
MAX RADIUS	:	1.298	1.281	1.199
HORIZONTAL SPREAD	:	2.385	2.102	1.964
VERTICAL SPREAD	:	1.854	1.854	1.854
EXTREME SPREAD	:	2.402	2.201	2.201
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587575

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 2.560

VS = 1.686

GS = 2.571

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.279	1.136	.979
MINIMUM X	-1.281	-.999	-.857
MAXIMUM Y	.711	.555	.573
MINIMUM Y	-.975	-.896	-.827
CENTROID X	.388	.531	.389
CENTROID Y	-.236	-.315	-.384
POA TO CENTROID in.	.454	.617	.547
MIN RADIUS	.312	.217	.181
MEAN RADIUS	.798	.718	.631
MAX RADIUS	1.465	1.265	.980
HORIZONTAL SPREAD	2.560	2.135	1.836
VERTICAL SPREAD	1.686	1.451	1.400
EXTREME SPREAD	2.571	2.216	1.838
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		