

C6587575

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400023037

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

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

5/17/02 7:47 AM C4PS 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

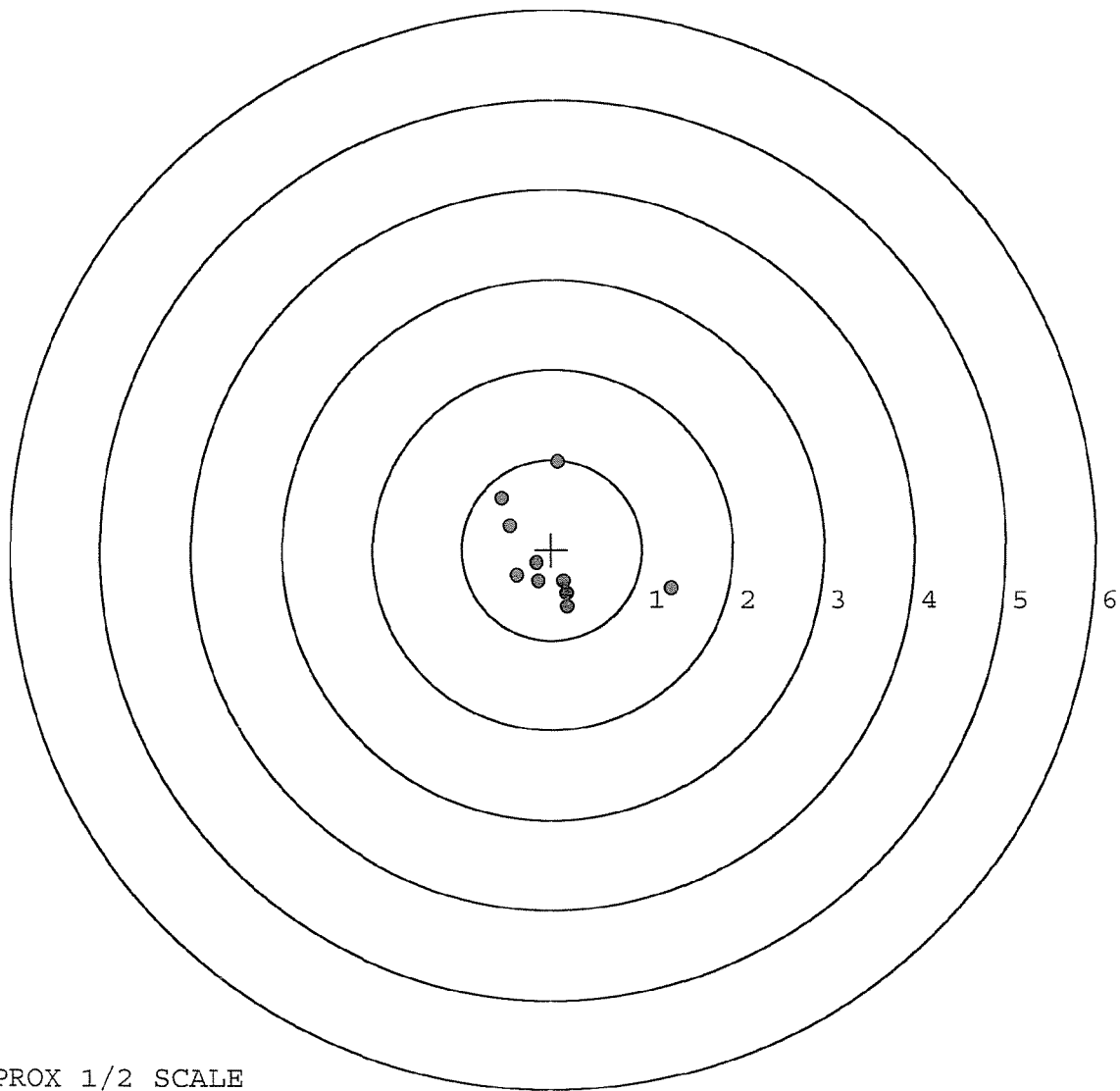
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

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

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

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

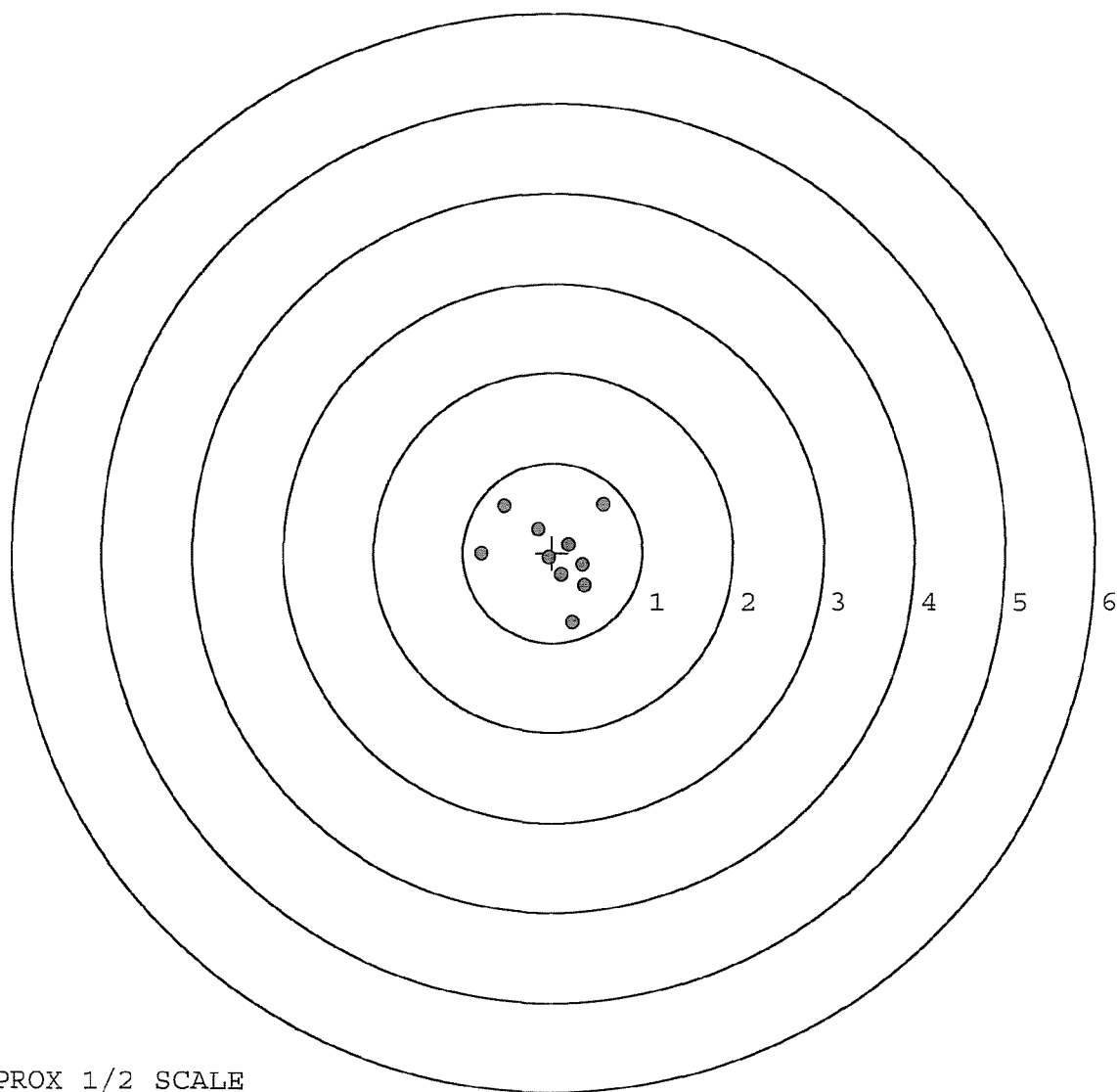
MAX RADIUS: 0.811

MEAN RADIUS: 0.481

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

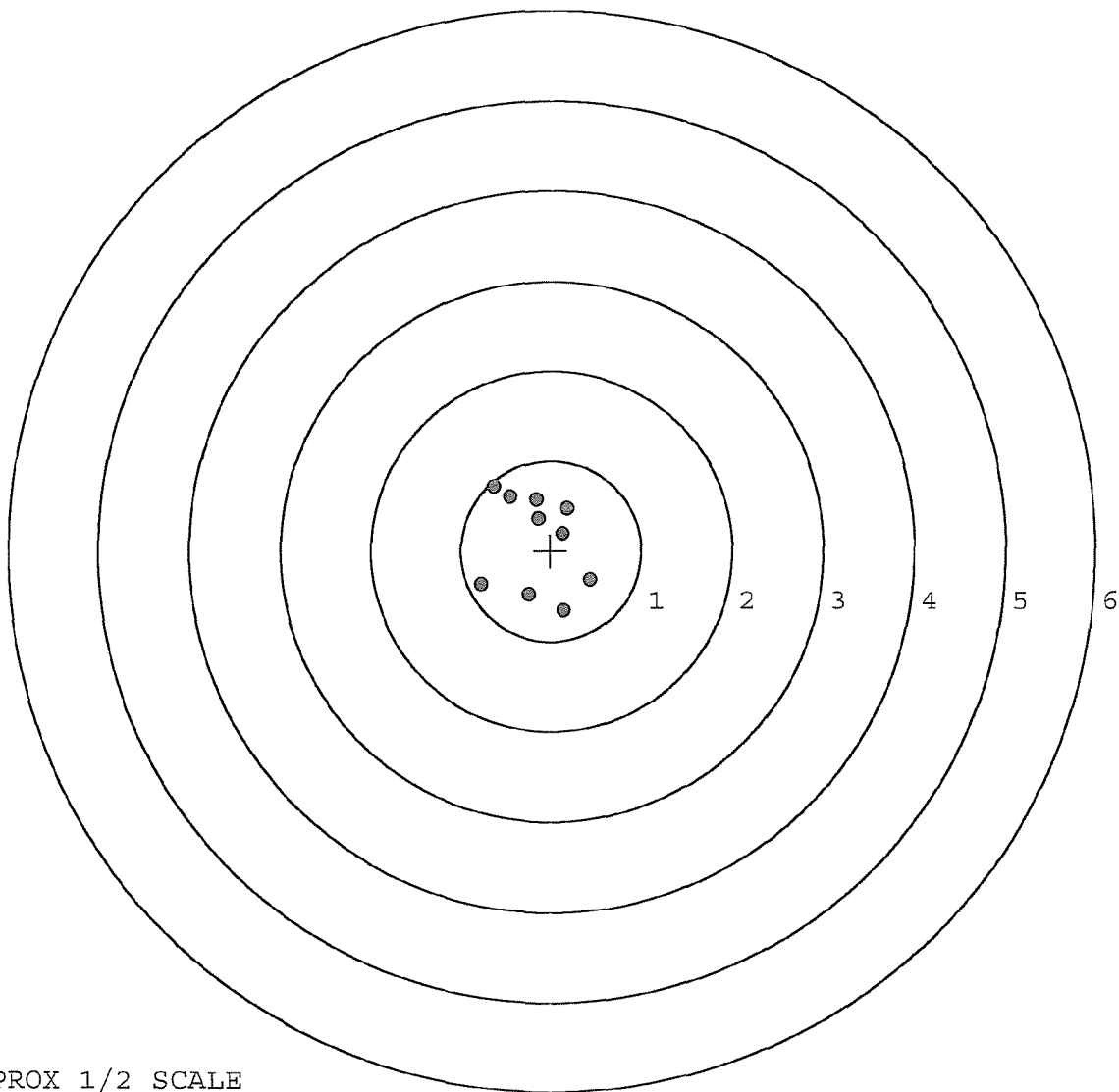


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587575. __0
TARGET NUMBER: 3
FILE DATE: 05/17/2002
FILE TIME: 13:36

POINT#	X	Y
1:	0.435	-0.325
2:	0.143	-0.666
3:	-0.243	-0.481
4:	-0.776	-0.376
5:	-0.638	0.708
6:	-0.454	0.599
7:	-0.161	0.568
8:	0.183	0.472
9:	0.132	0.193
10:	-0.146	0.359

X CENTROID: -0.153
Y CENTROID: 0.105
POA TO CENTROID: 0.185
HORZ SPREAD: 1.211
VERT SPREAD: 1.374
GROUP SPREAD: 1.580
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

SERIAL NUMBER: C6587575. 0

TARGET NUMBER: 4

FILE DATE: 05/17/2002

FILE TIME: 13:36

POINT#	X	Y
1:	0.293	-0.752
2:	-0.236	-0.965
3:	0.173	-0.075
4:	0.310	0.151
5:	0.191	0.331
6:	-0.094	0.506
7:	-0.293	0.313
8:	-0.683	0.610
9:	0.175	0.983
10:	-0.061	0.292

X CENTROID: -0.022

Y CENTROID: 0.139

POA TO CENTROID: 0.141

HORZ SPREAD: 0.993

VERT SPREAD: 1.948

GROUP SPREAD: 1.991

MIN RADIUS: 0.157

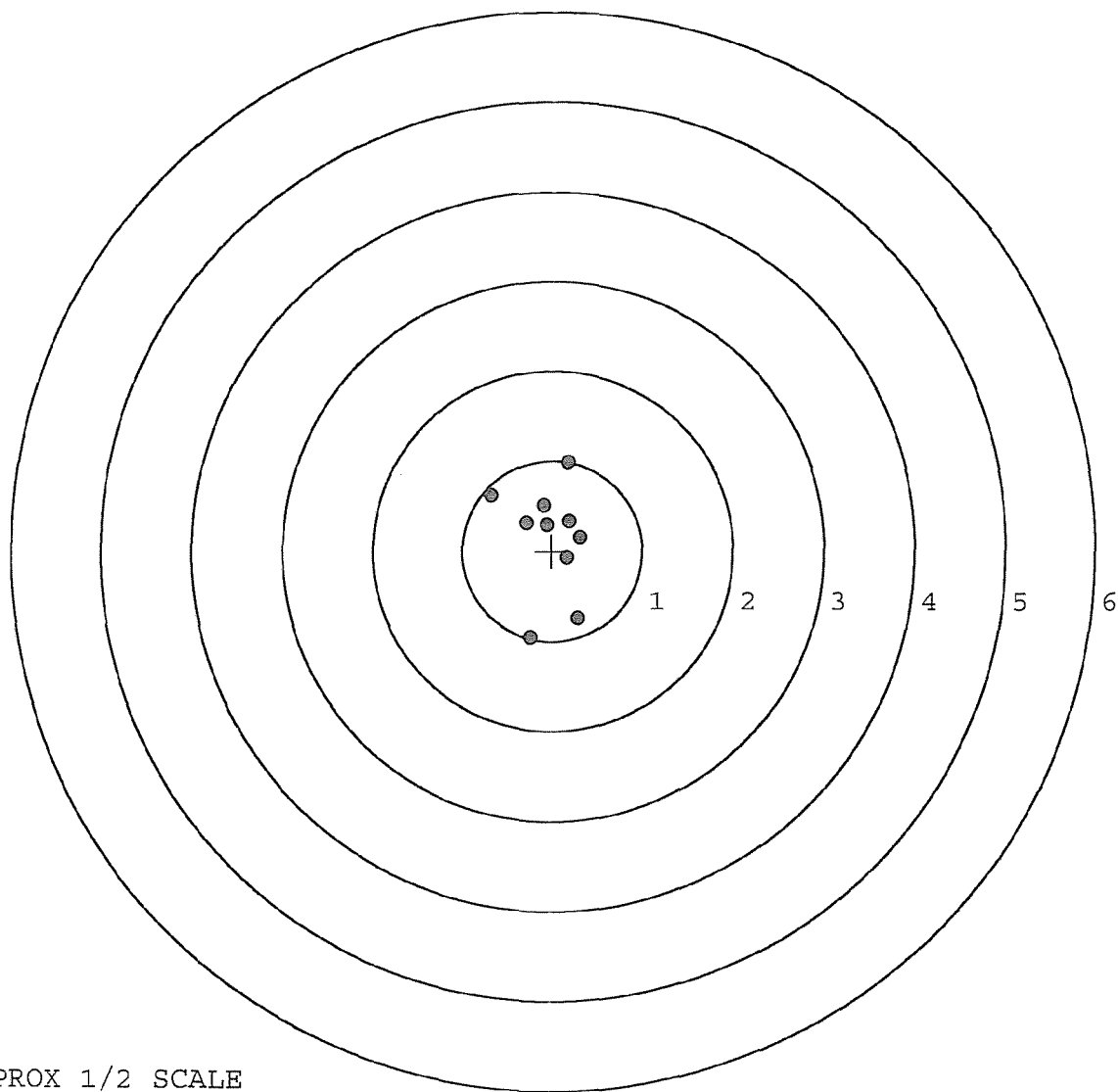
MAX RADIUS: 1.125

MEAN RADIUS: 0.551

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

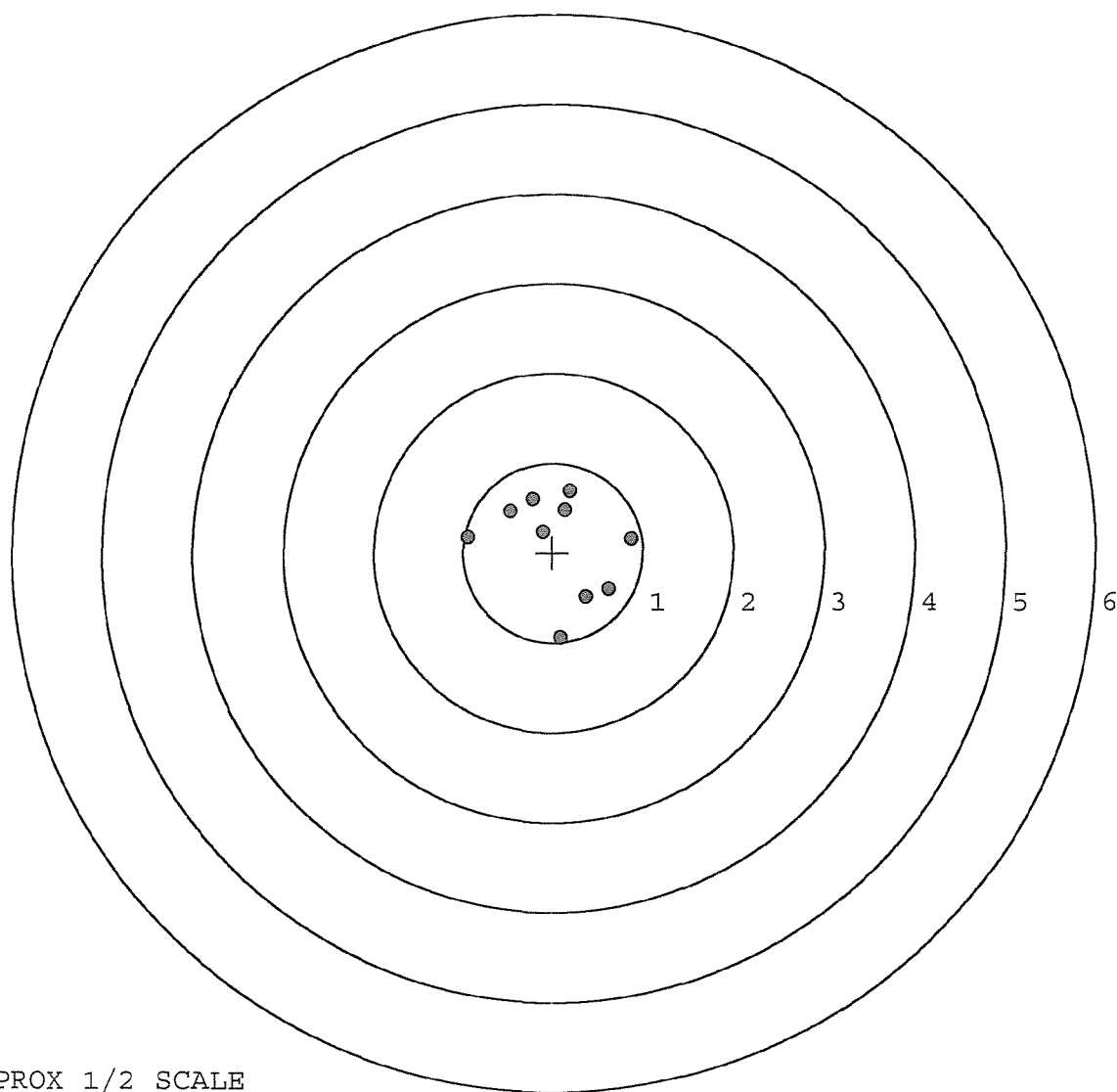
MAX RADIUS: 1.042

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

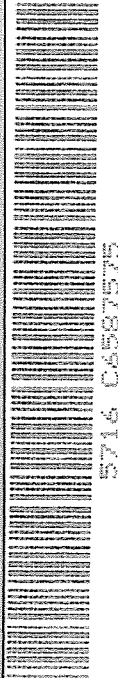
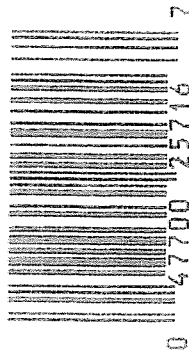
MODEL 700™ M24

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

op. #	OP. NAME	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

SWS TRIGGER PULL TEST

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

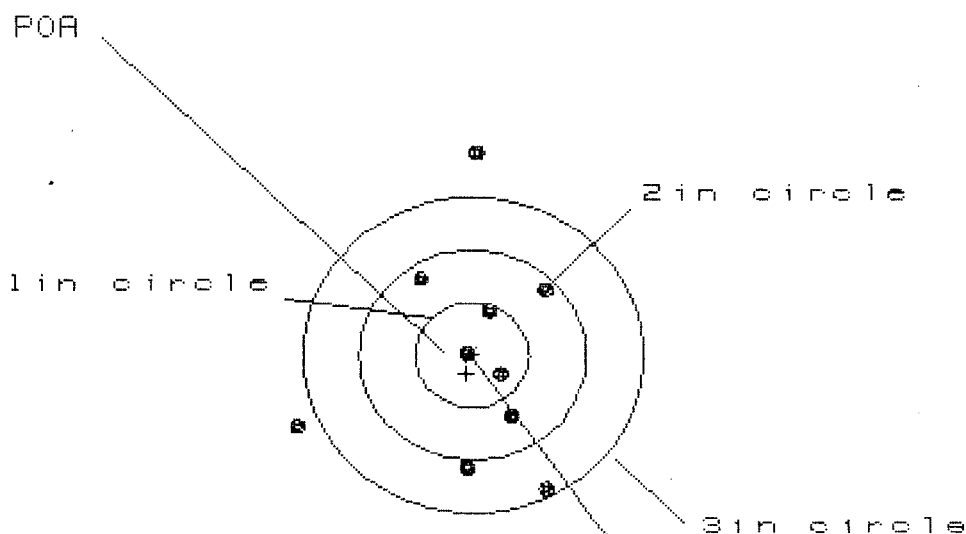
$\frac{8}{4} = 2$ <----POA

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

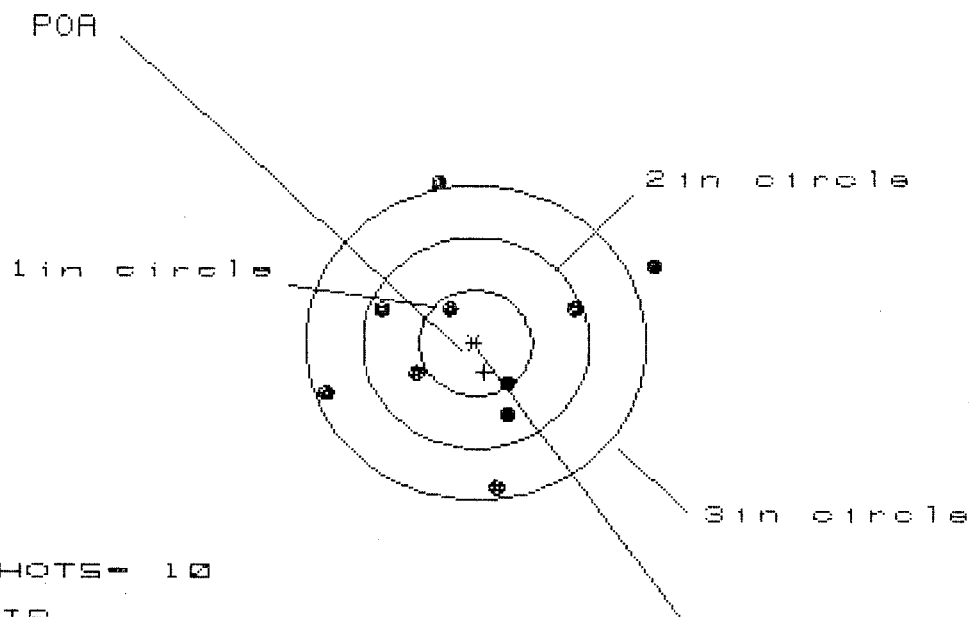
CENTROID *

PATTERN #	:	1		
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

1in = 2

2in = 6

3in = 8

HS= 2.856

VS= 2.956

GS= 3.088

CENTROID #

PATTERN #	:	2		
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

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.547

VS= 2.560

GS= 2.644

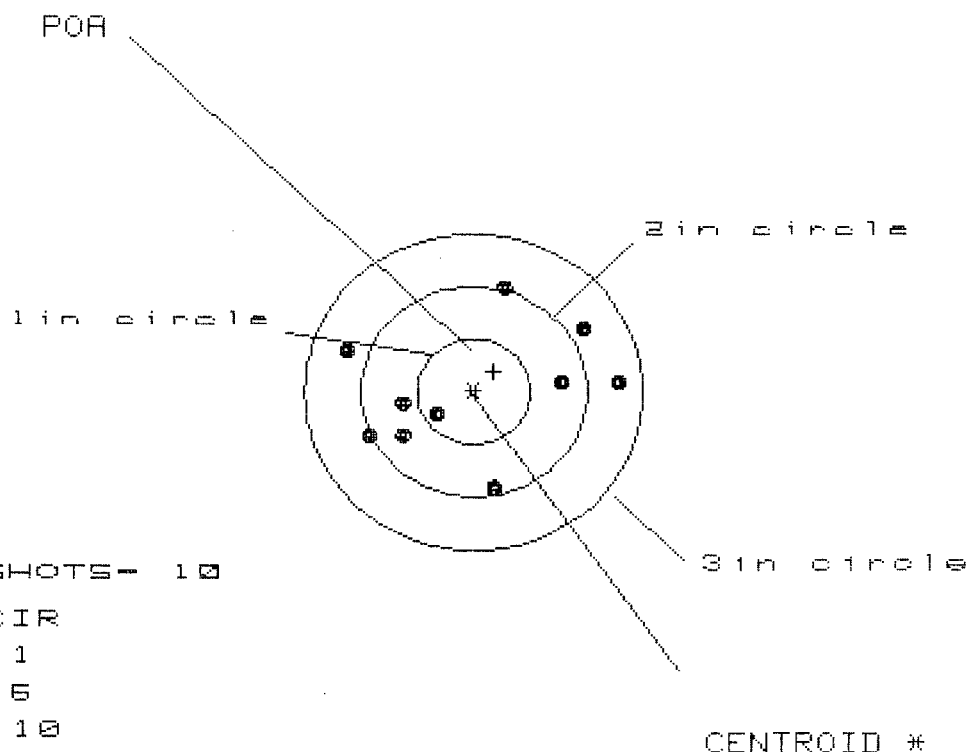
CENTROID #

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

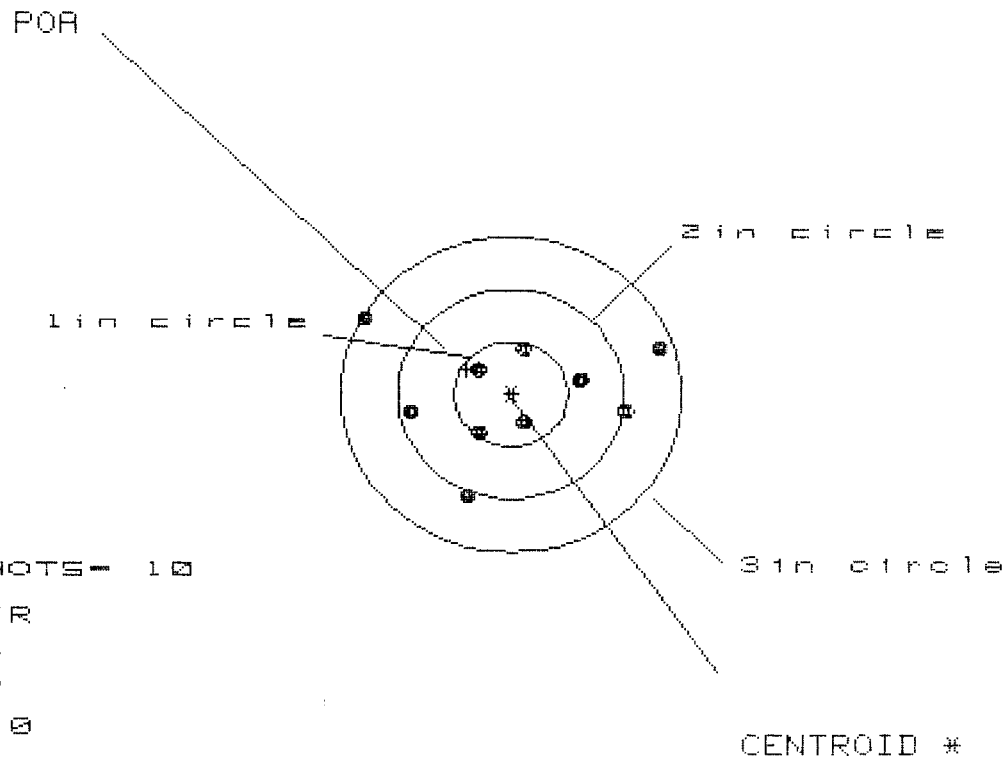
GS= 2.402

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		
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	