

C6587566

MODEL 700™ M24

Model **SMS**™

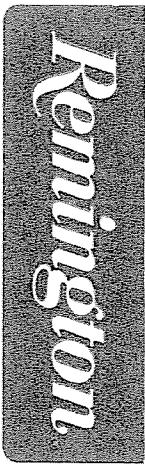
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00130318

Serial: C6587566 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status: New 6/14/2007 7:16:22 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 1SG MARC WEISS

1SG MARC WEISS

Address 1: PA MTU BLDG 7-11

PA MTU BLDG 7-11

Address 2: PO Box:

PO Box:

City: FT. INDIANTOWN

FT. INDIANTOWN

State: PA Zip Code: 17003

Country: US

State: PA Zip Code: 17003

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

Repair Search

Refresh

Close

nagletj

6/19/2007

7:45 AM

CAPS

NUM

INS

SCRL



Inbox - Micros...

Calendar - Mic...

Calendar - Mic...

Arms Services ...

7:45 AM

Serial Number: **C6587566**
Model: **M24 SWS**

RE00130318

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587566.___0
FILE DATE AND TIME: 07/17/2007 22:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.026
The Average Y Centroid of the Five Target Set:	0.159
The Average Point of Impact of the Five Target Set:	0.161
The Average Mean Radius of the Five Target Set:	0.814
The Distance from POA to Centroid Target #1:	0.446
The Distance from Centroid Target #2 to Centroid Target #1:	0.496
The Distance from Centroid Target #3 to Centroid Target #1:	0.403
The Distance from Centroid Target #4 to Centroid Target #1:	0.638
The Distance from Centroid Target #5 to Centroid Target #1:	0.489

SERIAL NUMBER: C6587566. __0

TARGET NUMBER: 1

FILE DATE: 07/17/2007

FILE TIME: 22:15

X CENTROID: 0.418

Y CENTROID: 0.155

POA TO CENTROID: 0.446

HORZ SPREAD: 1.711

VERT SPREAD: 2.558

GROUP SPREAD: 2.614

MIN RADIUS: 0.528

MAX RADIUS: 1.443

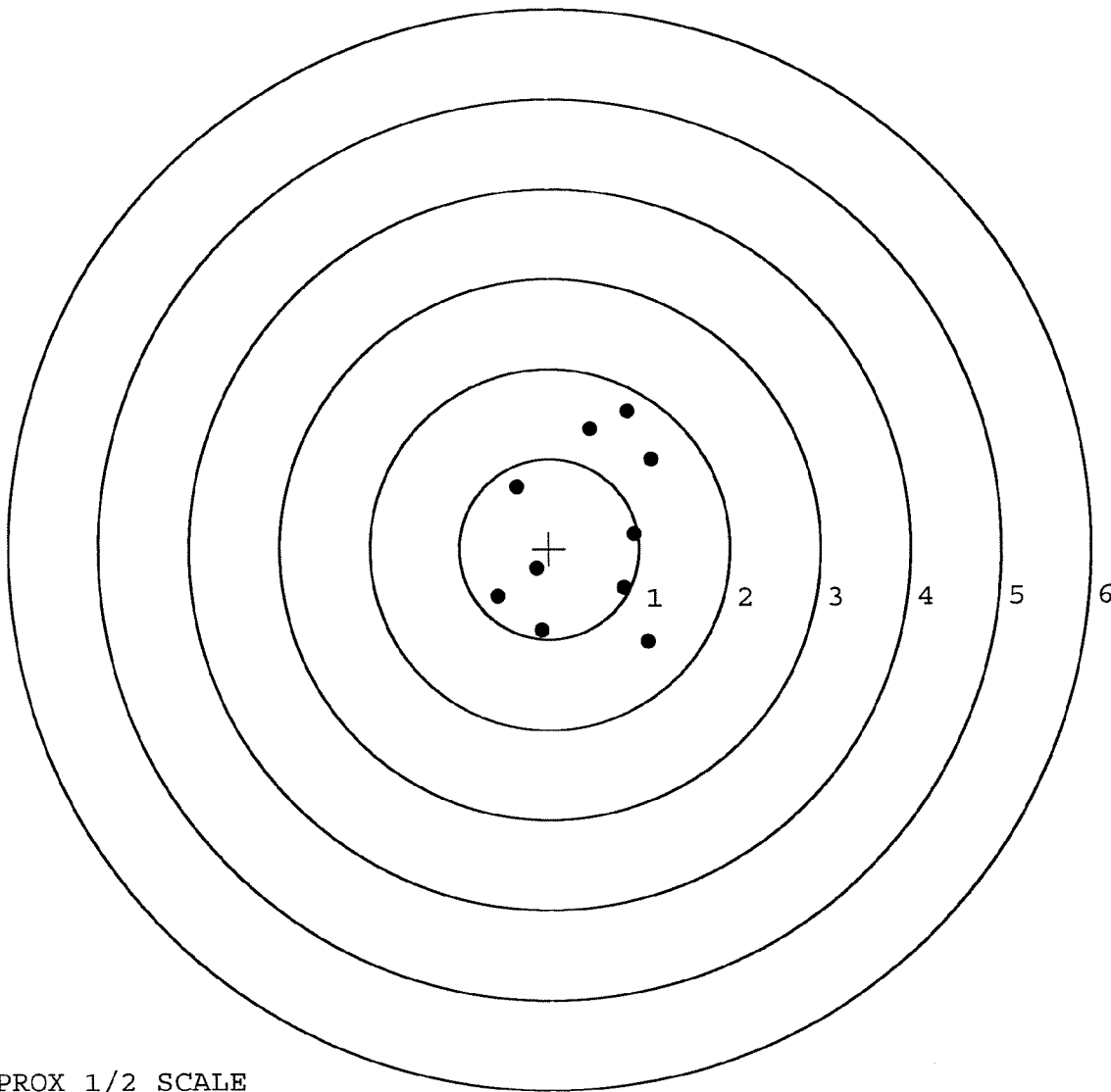
MEAN RADIUS: 1.034

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.354	0.691
2:	0.464	1.332
3:	0.878	1.522
4:	1.134	0.990
5:	0.946	0.157
6:	0.829	-0.446
7:	1.088	-1.036
8:	-0.142	-0.225
9:	-0.577	-0.532
10:	-0.087	-0.907



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587566. 0

TARGET NUMBER: 2

FILE DATE: 07/17/2007

FILE TIME: 22:15

POINT#	X	Y
1:	-1.137	1.248
2:	-0.469	0.708
3:	-0.188	0.433
4:	0.119	0.723
5:	0.291	0.017
6:	0.191	-0.477
7:	0.019	-0.663
8:	-0.727	-0.382
9:	1.009	-0.761
10:	0.250	1.862

X CENTROID: -0.064

Y CENTROID: 0.271

POA TO CENTROID: 0.278

HORZ SPREAD: 2.146

VERT SPREAD: 2.623

GROUP SPREAD: 2.731

MIN RADIUS: 0.204

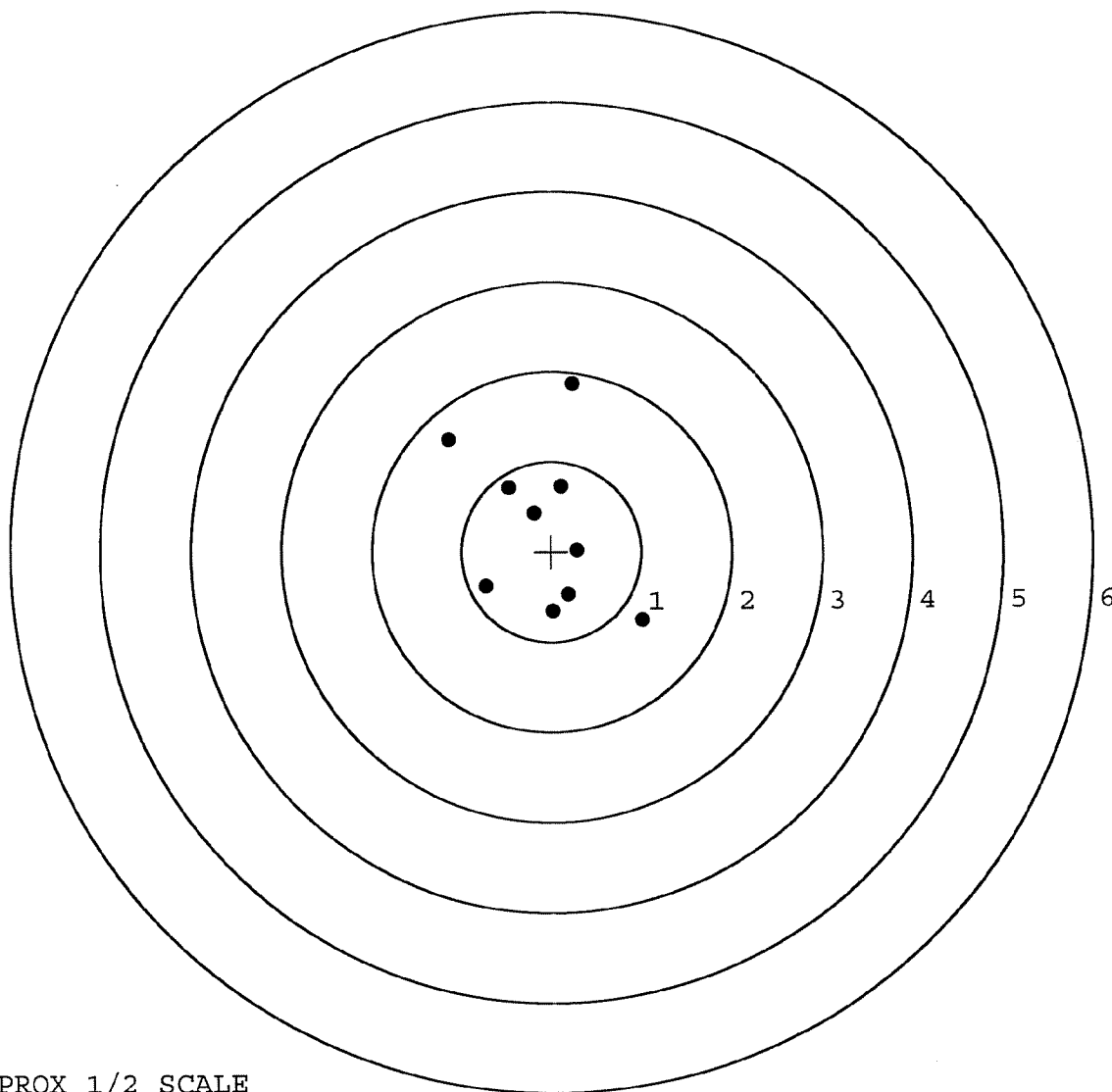
MAX RADIUS: 1.622

MEAN RADIUS: 0.894

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587566. __0

TARGET NUMBER: 3

FILE DATE: 07/17/2007

FILE TIME: 22:15

X CENTROID: 0.035

Y CENTROID: 0.279

POA TO CENTROID: 0.281

HORZ SPREAD: 1.625

VERT SPREAD: 2.691

GROUP SPREAD: 2.695

MIN RADIUS: 0.151

MAX RADIUS: 1.651

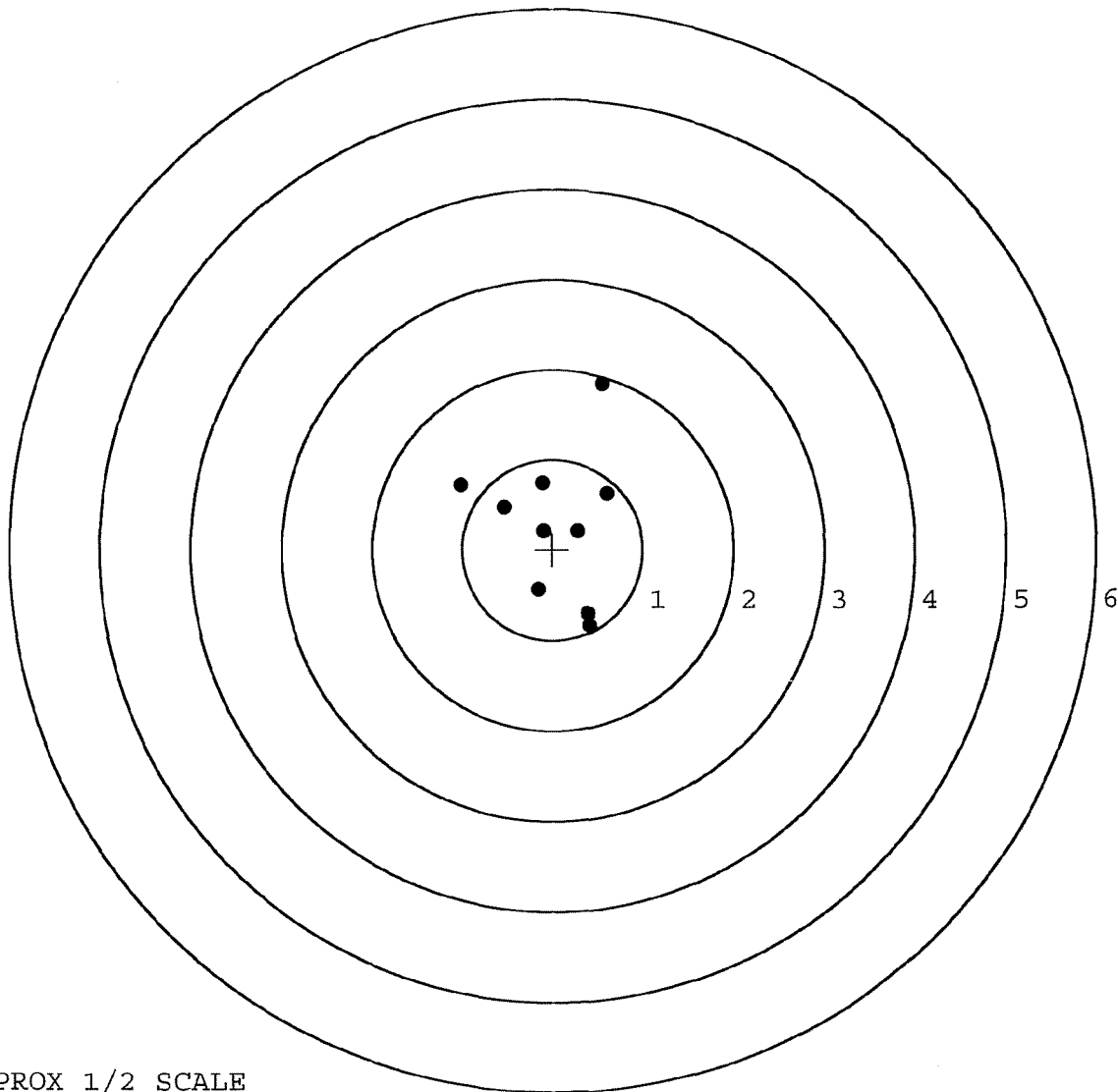
MEAN RADIUS: 0.795

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.016	0.718
2:	-0.538	0.471
3:	-0.112	0.737
4:	-0.094	0.200
5:	0.282	0.202
6:	0.609	0.625
7:	0.558	1.845
8:	0.397	-0.711
9:	0.417	-0.846
10:	-0.157	-0.448



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587566. 0

TARGET NUMBER: 4

FILE DATE: 07/17/2007

FILE TIME: 22:15

X CENTROID: -0.218

Y CENTROID: 0.105

POA TO CENTROID: 0.242

HORZ SPREAD: 1.674

VERT SPREAD: 1.940

GROUP SPREAD: 2.452

MIN RADIUS: 0.230

MAX RADIUS: 1.326

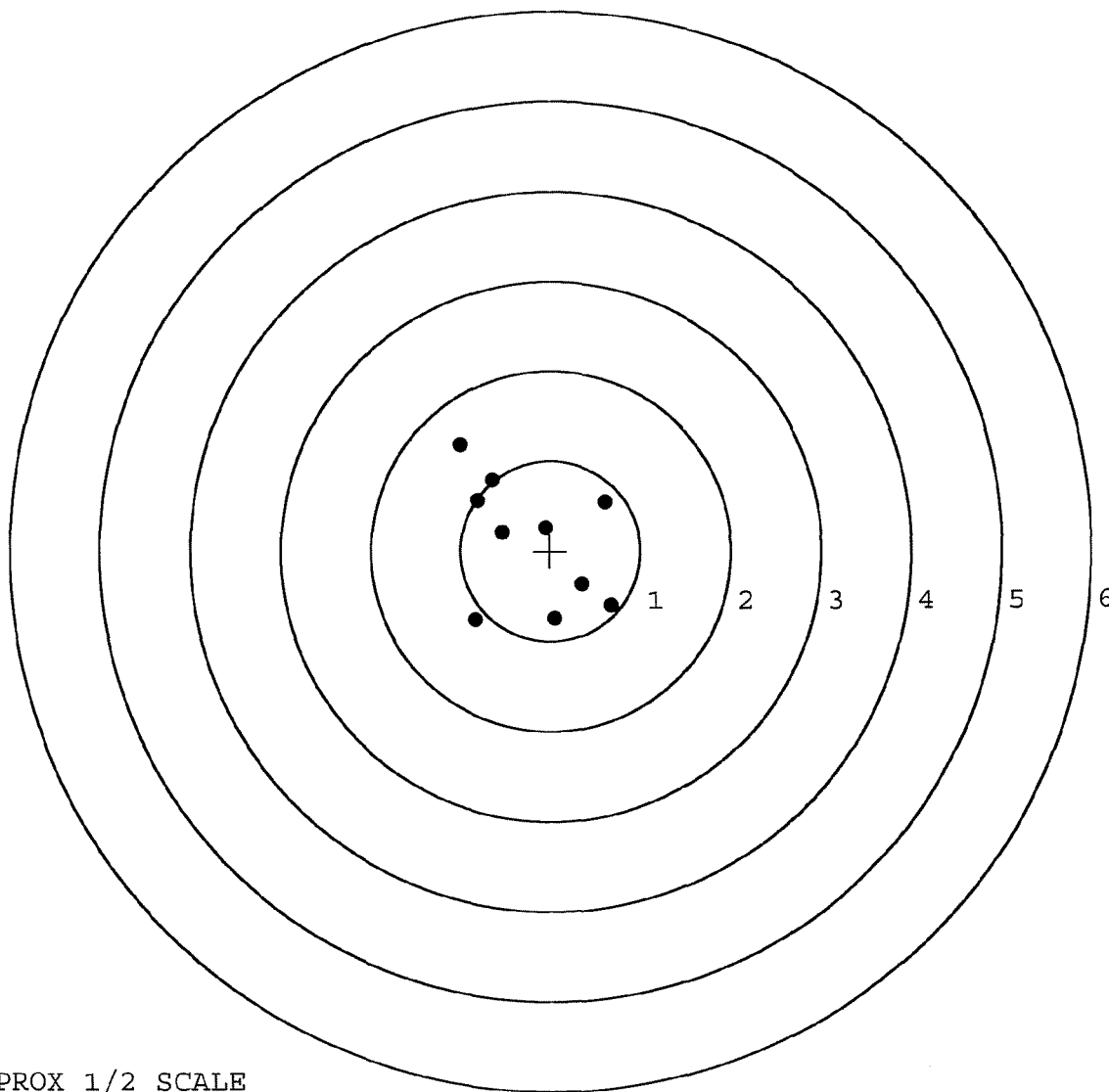
MEAN RADIUS: 0.825

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.997	1.178
2:	-0.645	0.792
3:	-0.810	0.561
4:	-0.539	0.210
5:	-0.047	0.258
6:	0.612	0.546
7:	0.358	-0.367
8:	0.677	-0.613
9:	0.053	-0.758
10:	-0.840	-0.762



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587566. 0

TARGET NUMBER: 5

FILE DATE: 07/17/2007

FILE TIME: 22:15

POINT#	X	Y
1:	-0.743	0.454
2:	-0.226	0.882
3:	0.343	0.869
4:	0.031	-0.023
5:	-0.123	-0.243
6:	-0.006	-0.679
7:	0.090	-0.375
8:	0.313	-0.440
9:	-0.055	-0.189
10:	-0.032	-0.392

X CENTROID: -0.041

Y CENTROID: -0.014

POA TO CENTROID: 0.043

HORZ SPREAD: 1.086

VERT SPREAD: 1.561

GROUP SPREAD: 1.587

MIN RADIUS: 0.072

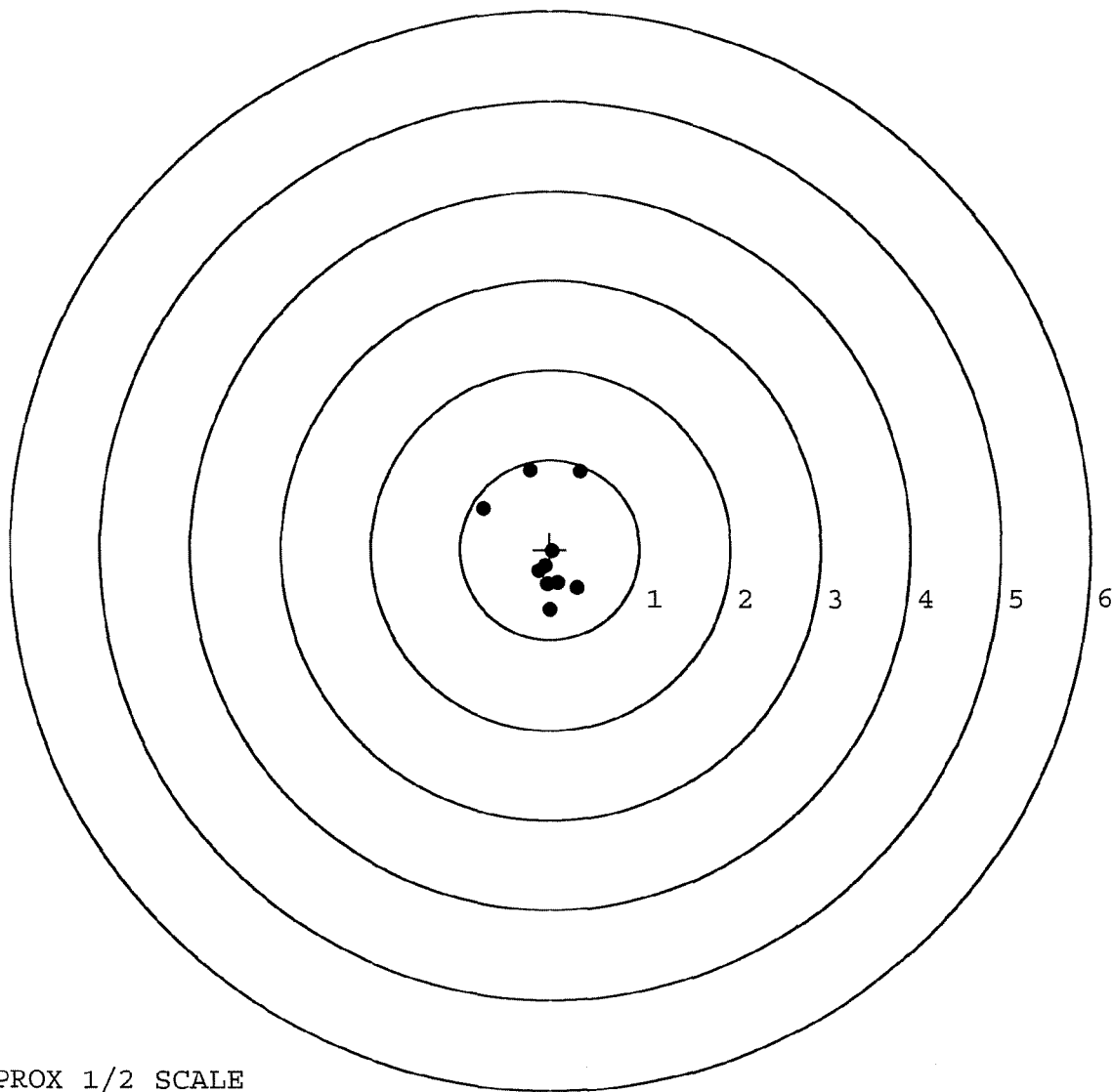
MAX RADIUS: 0.962

MEAN RADIUS: 0.520

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		60130318	
SERIAL NUMBER		C 6587566	
LOG-IN DATE		6-25-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-25-07	RPD
505	RE-BARREL	6-28-07	RPD
560	ASSEMBLE	7-9-07	RTZ
600	PROOF	7-10-07	TRW
605	CHECK HEADSPACE	7-10-07	TRW
610	DIS-ASSEMBLE GUN	7-11-07	RTZ
612	MAGNAFLUX	7-12-07	unus
510	DRILL AND TAP	7-11-07	SD
615	ROLLMARK CALIBER	7-12-07	CW
618	ROTO-BLAST	7-12-07	LB
620	APPLY COATINGS	7-13-07	FB
625	FINAL ASSEMBLY	7-16-07	RPD
640	FUNCTION TEST AND	(PASS) FAIL	7-17-07 TRW
650	TARGET	(PASS) FAIL	7-17-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-17-07 DA
	A) HEADSPACE	PASS FAIL	7-18-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.50 2.49 2.51 2.44 2.39 7-18-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.5 7-18-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5 7-18-07 DA
	I) FIRING PIN INDENT	.020	.024 .024 .0235 7-18-07 DA
690	PACK		7-19-07 DA

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

SERIAL NO. E6587566
DATE 7-30-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.73	2.50	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.60	2.72	
PULL #3	2.53	2.52	2.63	
PULL #4	2.73	2.69	2.67	
PULL #5	2.64	2.57	2.77	
TOTAL	13.29	12.82	13.49	
AVG.	2.65	2.56	2.69	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.09		
PULL #2	3.14	3.05		
PULL #3	3.23	3.15		
PULL #4	3.11	3.18		
PULL #5	3.09	3.07		
TOTAL	15.70	15.54		
AVG.	3.14	3.10		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.00		4.28
PULL #2	4.19	4.04		4.18
PULL #3	4.20	4.02		4.16
PULL #4	4.08	4.01		4.15
PULL #5	4.16	4.06		4.05
TOTAL	20.97	20.13		20.82
AVG.	4.19	4.02		4.16

BARBER - M24 0022833		READINGS			DATE	INIT
OP. NAME						
625 cont.	F) Safety On Force	5	5.5	4.5	8/2	SF
	G) Safety Off Force	4	4.25	4.5	8/2	SF
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.0215	.0215	.022	8/2	SF
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection A) Headspace					
	B) Trigger Pull	2.64	2.51	2.51	2.68	2.60 8/2 SF
	C) Function					
660	Pack					

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

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

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

MODEL 700™ H24

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

UPPONT

SERIAL NO.
C6587566

ORDER NO.
5716

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

Ø1



5716 C6587566

UPC

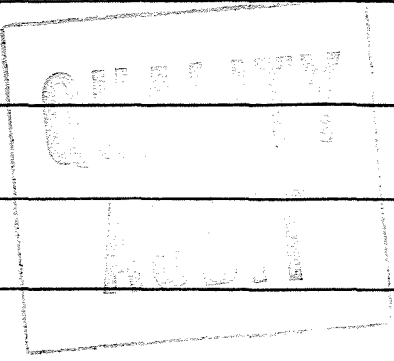


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587566

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	Kd
600	Proof		10/22/90	Kd
607	Check Headspace		10/22/90	Kd
610	Dis-assemble Gun		10/22/90	Kd
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	B.S.
617	Drill and Tap Sight Holes		10/25/90	RB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-14-90	JA

op. #	BARBER - M24 0022837 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			11/14/90	WLB
	G) Safety Off Force	3	3	3			11/14/90	WLB
	H) Trigger Pull Test & Retainability						11-14-90	WLB
	I) Firing Pin Indent	.022	.022	.022			11/14/90	WLB
	J) Assemble Stock						11/14/90	KS
	K) Assemble Swivel Studs						11/30/90	WLB
	L) Attach Front and Rear Sight Assemblies						11/14/90	KS
	M) Iron Sight Alignment						11/14/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	KS
	O) Attach Scope to Rifle						11/14/90	KS
	P) Detach & Attach Scope 20 Times						11/14/90	KS
640	Gallery Target & Test						11-16-90	DH
	A) Time						11-16-90	DH
	B) Malfunctions						11-16-90	DH
	C) Pierced Primers						11-16-90	DH
	D) Optical Clarity of Scope						11-16-90	DH
645	Inspect for Live Ammo						11-16-90	DH
655	Final Inspection							
	A) Headspace						11-30-90	WLB
	B) Trigger Pull	2.70	2.52	2.48	2.60	2.50	11-20-90	WLB
	C) Function						11-20-90	WLB
660	Pack						12-17-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587566

DATE 11-14-90

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.42	2.24	220	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.36	2.20	252	
PULL #3	2.43	2.24	2.38	248	
PULL #4	2.43	2.27	2.32	260	
PULL #5	2.50	2.50	2.27	258	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.46		
PULL #2	3.45	3.48		
PULL #3	3.49	3.51		
PULL #4	3.34	3.28		
PULL #5	3.48	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.41		4.49
PULL #2	4.39	4.21		4.27
PULL #3	4.23	4.40		4.38
PULL #4	4.41	4.25		4.42
PULL #5	4.39	4.37		4.21
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587566
16 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.219718
1 TO	2	.399592
1 TO	3	.134078
1 TO	4	.158978
1 TO	5	.150213

31 <----FOR

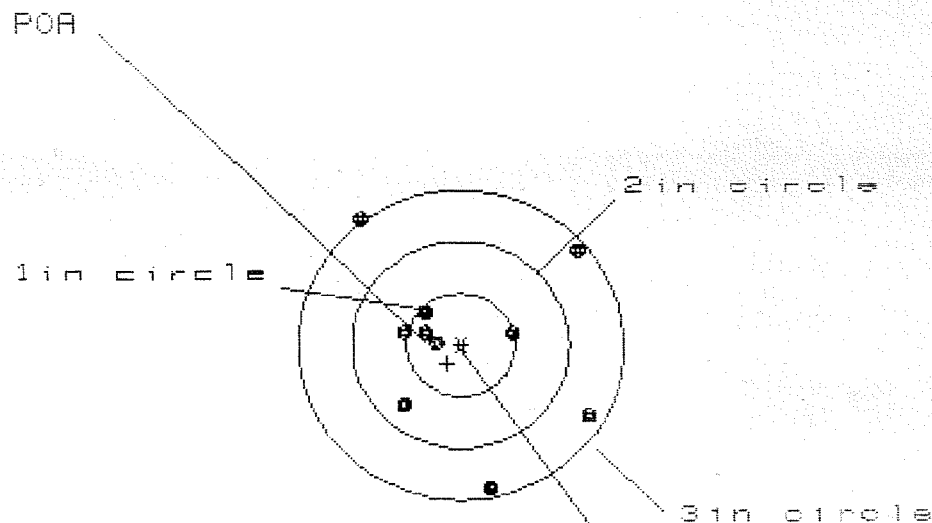
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0918
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .095196

THE AMR FOR THIS RIFLE IS: 1.018

16 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587566

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 2.117

VS= 2.549

GS= 2.801

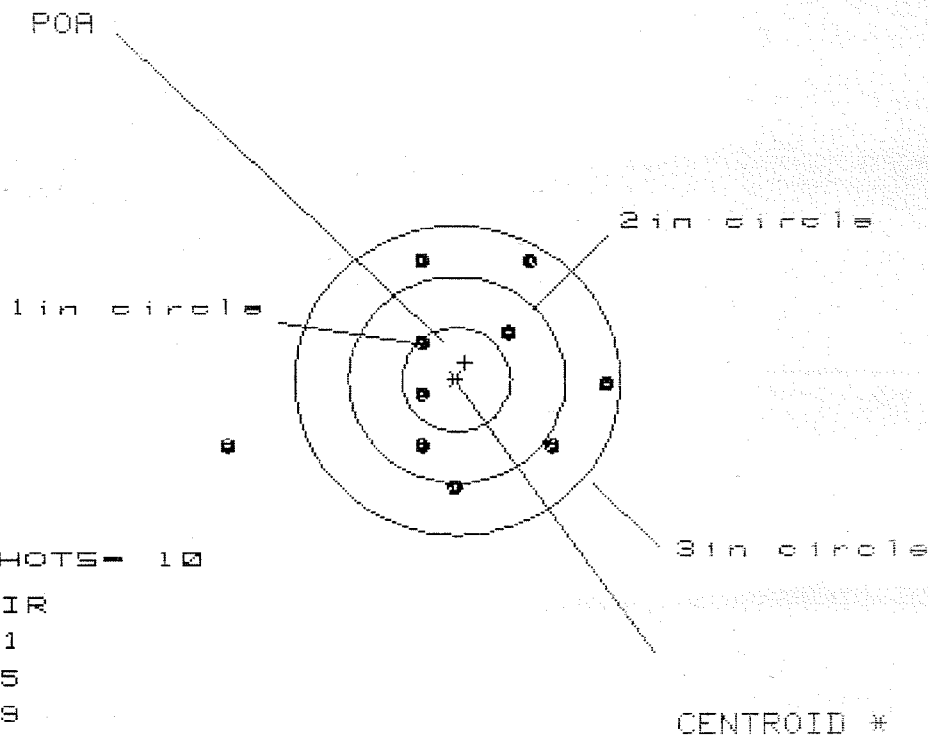
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.181	1.077	1.093
MINIMUM X	-.936	-.653	-.637
MAXIMUM Y	1.170	1.000	.844
MINIMUM Y	-1.379	-1.249	-.666
CENTROID X	.126	.230	.214
CENTROID Y	.180	.050	.206
POA TO CENTROID in.	.219	.235	.297
MIN RADIUS	.223	.362	.311
MEAN RADIUS	.851	.804	.720
MAX RADIUS	1.498	1.400	1.305
HORIZONTAL SPREAD	2.117	1.730	1.730
VERTICAL SPREAD	2.549	2.249	1.510
EXTREME SPREAD	2.801	2.408	2.181
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587566

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 3.451

VS= 2.113

GS= 3.497

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.370
MINIMUM X	-2.081
MAXIMUM Y	1.125
MINIMUM Y	-0.988
CENTROID X	-0.079
CENTROID Y	-0.163
POA TO CENTROID in.	.181
MIN RADIUS	.339
MEAN RADIUS	1.039
MAX RADIUS	2.169
HORIZONTAL SPREAD	3.451
VERTICAL SPREAD	2.113
EXTREME SPREAD	3.497
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587566

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.897

VS= 2.159

GS= 3.448

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.496	1.340	1.190
MINIMUM X	:	-1.401	-1.537	-1.370
MAXIMUM Y	:	1.133	1.252	1.175
MINIMUM Y	:	-1.026	-.900	-.977
CENTROID X	:	.002	.158	-.009
CENTROID Y	:	.231	.105	.182
POA TO CENTROID in.	:	.231	.190	.182
MIN RADIUS	:	.194	.043	.189
MEAN RADIUS	:	1.109	1.004	.946
MAX RADIUS	:	1.802	1.547	1.376
HORIZONTAL SPREAD	:	2.897	2.877	2.560
VERTICAL SPREAD	:	2.159	2.152	2.152
EXTREME SPREAD	:	3.448	2.982	2.599
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587566

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 1.581

VS= 3.361

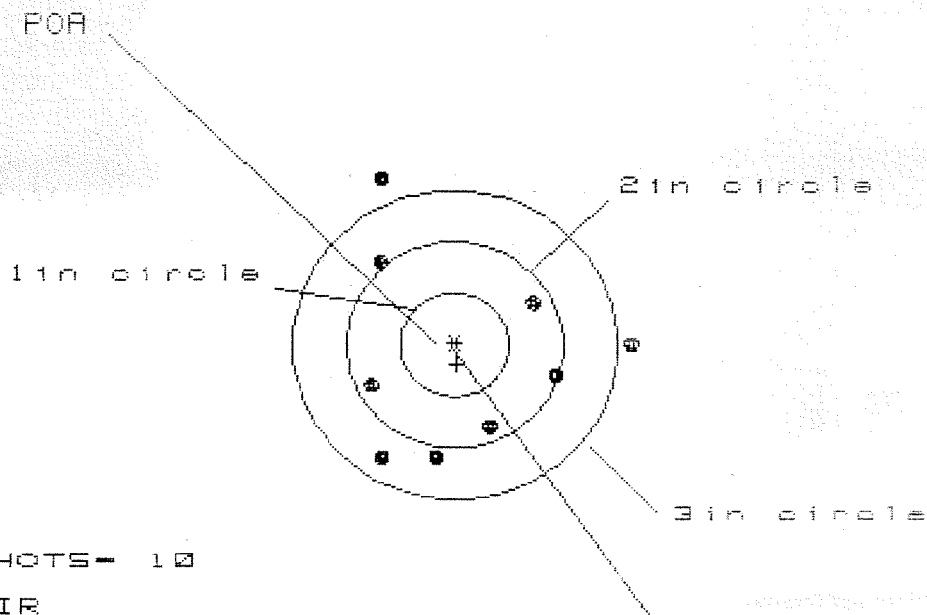
GS= 3.425

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.800	.815	.831
MINIMUM X	:	-.781	-.766	-.665
MAXIMUM Y	:	1.437	1.223	1.376
MINIMUM Y	:	-1.924	-1.046	-.893
CENTROID X	:	.101	.086	-.016
CENTROID Y	:	.023	.237	.084
POA TO CENTROID in.	:	.103	.252	.086
MIN RADIUS	:	.383	.473	.300
MEAN RADIUS	:	.967	.893	.764
MAX RADIUS	:	1.928	1.468	1.377
HORIZONTAL SPREAD	:	1.581	1.581	1.495
VERTICAL SPREAD	:	3.361	2.269	2.269
EXTREME SPREAD	:	3.425	2.457	2.270
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		8		

16 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587566

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.401

VS= 2.741

GS= 2.776

CENTROID *

PATTERN #	3	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.624	1.555	1.003
MINIMUM X	-0.777	-0.846	-0.652
MAXIMUM Y	1.607	1.019	1.041
MINIMUM Y	-1.134	-0.955	-0.933
CENTROID X	-0.024	0.045	-0.149
CENTROID Y	0.188	0.009	-0.013
POA TO CENTROID in.	0.189	0.046	0.150
MIN RADIUS	0.803	0.611	0.675
MEAN RADIUS	1.125	1.034	0.954
MAX RADIUS	1.725	1.565	1.170
HORIZONTAL SPREAD	2.401	2.401	1.655
VERTICAL SPREAD	2.741	1.974	1.974
EXTREME SPREAD	2.776	2.494	2.030
NUMBER IN ONE INCH CIRCLE =	0	4	8
NUMBER IN TWO INCH CIRCLE =	0	4	8
NUMBER IN THREE INCH CIRCLE =	0	4	8