

06587542

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Request that the 3 R95387, S/N: C6594558, C6587542, C6611813,
be repaired and returned to W81JR8.

Our FTE information is as follows

FTEB141005012402136 EA00003W81JR893090007
A28 F A28W4899309

S/N: C6594558, C6587542, C6611813

Our A0E is :

A0EB141005012402136 EA00003W81JR893082001
A28 A28W4899308

S/N: C6594558, C6587542, C6611813

Please fax distribution instructions to DSN 369-2157 or Commercial
(317) 247-3157, ATTN: SGT FRINK.

POC for this action is SGT Frink, DSN 369-2332 or Commercial
(317) 247-3332, Indiana National Guard.

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6587542
23 Mar 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0084$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0036$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.00913893$

THE AMR FOR THIS RIFLE IS: $.9556$

CENTROIDAL DISTANCES

0 TO 1	.271
1 TO 2	.550023
1 TO 3	.406208
1 TO 4	.40609
1 TO 5	.302076

2
1 3 <----POA
4

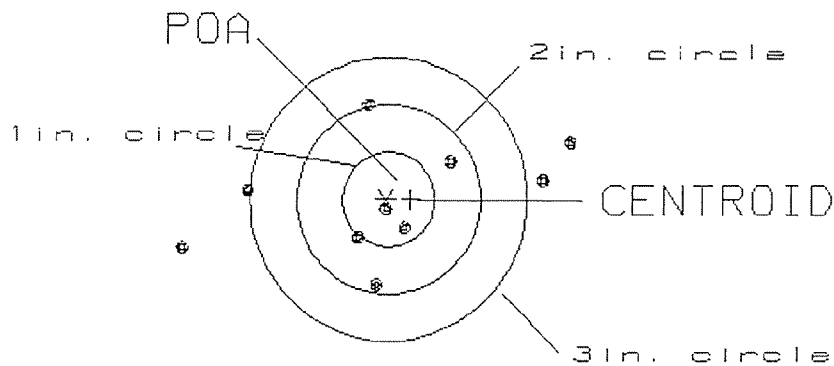
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .271
 MIN RADIUS : .131
 MEAN RADIUS : 1.128
 MAX RADIUS : 2.309
 CENTROID X : -.271
 CENTROID Y : -0.000

23 Mar 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587542.1.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.26

3

VS= 1.94

5

GS= 4.39

6

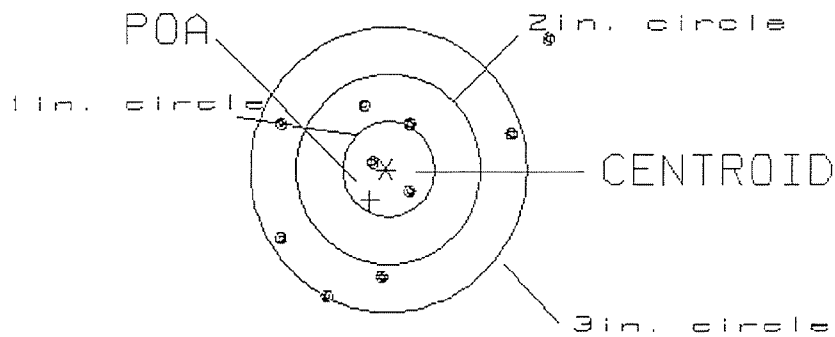
PATTERN #: 2

POA TO CENTROID: .369
 MIN RADIUS : .229
 MEAN RADIUS : 1.055
 MAX RADIUS : 2.182
 CENTROID X : .172
 CENTROID Y : .326

23 Mar 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587542.1.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.90
 VS= 2.67
 GS= 3.59

2
 4
 9

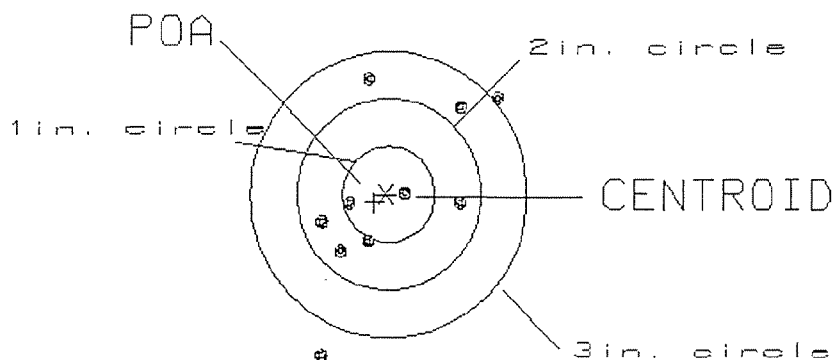
PATTERN #: 3

POA TO CENTROID: .153
 MIN RADIUS : .159
 MEAN RADIUS : .921
 MAX RADIUS : 1.787
 CENTROID X : .126
 CENTROID Y : .086

23 Mar 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587542.1.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 1.88

2

VS= 2.88

6

GS= 3.21

8

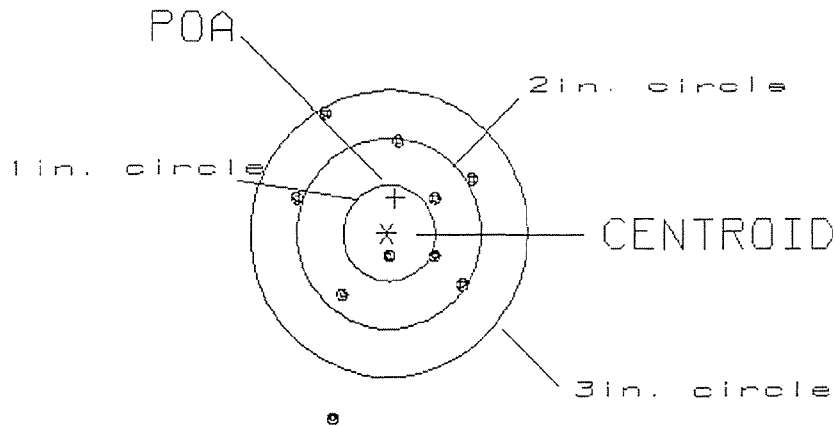
PATTERN #: 4

POA TO CENTROID: .376
 MIN RADIUS : .244
 MEAN RADIUS : .977
 MAX RADIUS : 2.059
 CENTROID X : -.093
 CENTROID Y : -.365

23 Mar 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587542.1.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.87
 VS= 3.20
 GS= 3.20

1
 5
 9

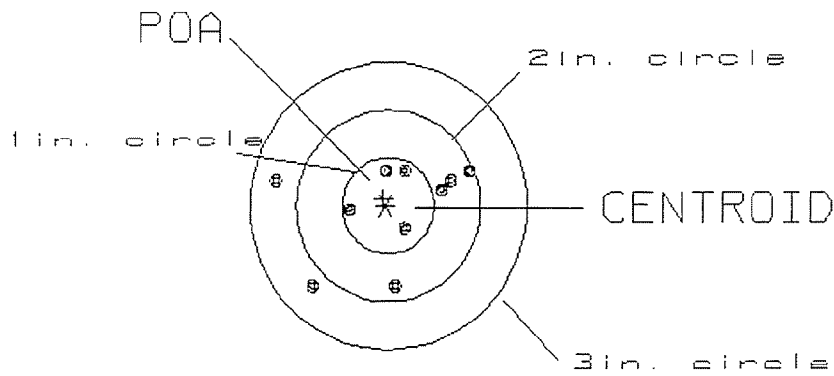
PATTERN #: 5

POA TO CENTROID: .069
 MIN RADIUS : .243
 MEAN RADIUS : .697
 MAX RADIUS : 1.295
 CENTROID X : .024
 CENTROID Y : -.065

23 Mar 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6587542.1.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.14

4

VS= 1.22

6

GS= 2.14

10

Final Inspection

Sr: C6587542 DATE REC'D: 11/22/99 DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

SCOPE ASSY.

- ☐ SCOPE
- ☐ SCOPE RINGS
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☐ FINISH
- ☐ LOOSENESS
- ☐ CLARITY

MISC.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

STOCK ASSY.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

SYSTEMS CASE

- ☐ SCOPE CASE
- ☐ IRON SIGHTS
- ☐ DEPLOYMENT KIT

TRIGGER

- ☒ SAFETY OPERATION
- ☒ SET

Comments:

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO. *C6587542*

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN	<i>12/10/99</i>	<i>Rw</i>
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>1/20/00</i>	<i>Rw</i>
605	CHECK HEADSPACE	<i>1/20/00</i>	<i>Rw</i>
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	<i>3/21/00</i>	<i>Rw</i>
655	FINAL INSPECT	<i>3/23/00</i>	<i>Rw</i>
660	PACK		
QAR INSPECTION		SHIP DATE	




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

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

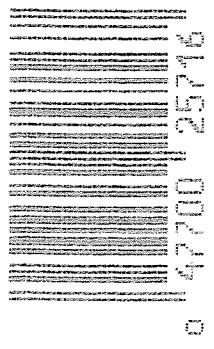
MODEL 700™ H24

SERIAL NO.
C6587542

ORDER NO.
5716

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

UPC



5716 C6587542

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587542

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	GL
617	Drill and Tap Sight Holes	1 10	91	FB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-26-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/11/91	GL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/11/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			2/11/91	WB
	H) Trigger Pull Test & Retainability						2/11/91	JH
	I) Firing Pin Indent	.022	.023	.0225			2/11/91	WB
	J) Assemble Stock						2/11/91	RW
	K) Assemble Swivel Studs						2-21-91	A
	L) Attach Front and Rear Sight Assemblies						2/11/91	RW
	M) Iron Sight Alignment						2/11/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/11/91	RW
	O) Attach Scope to Rifle						2/11/91	RW
	P) Detach & Attach Scope 20 Times						2/11/91	RW
640	Gallery Target & Test						2-11-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-11-91	AF
655	Final Inspection							
	A) Headspace						2-21-91	A
	B) Trigger Pull	2.16	2.24	2.21	2.22	2.20	2/19/91	WB
	C) Function						2-21-91	A
660	Pack						3-15-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587542

DATE 2-11-91

TESTER RM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.16	2.39	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.20	2.32	2.24	
PULL #3	2.26	2.18	2.41	2.21	
PULL #4	2.21	2.19	2.37	2.22	
PULL #5	2.18	2.18	2.43	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.33		
PULL #2	3.28	3.31		
PULL #3	3.23	3.31		
PULL #4	3.22	3.30		
PULL #5	3.18	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.29		4.21
PULL #2	4.22	4.21		4.30
PULL #3	4.22	4.31		4.35
PULL #4	4.26	4.40		4.40
PULL #5	4.33	4.15		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587542
12 Feb 1991

CENTROIDAL DISTANCES

0 TO 1	.155081
1 TO 2	.331665
1 TO 3	.0918368
1 TO 4	.147963
1 TO 5	.116516

25 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0304
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0954
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0975568

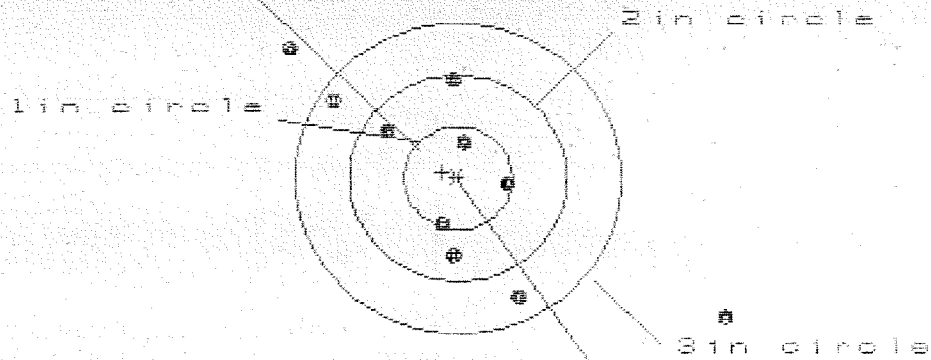
THE AMR FOR THIS RIFLE IS: .9384

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587542

CENTERFIRE PATTERNS # 1

FOR



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 3.995

VS= 2.576

GS= 4.754

CENTROID #

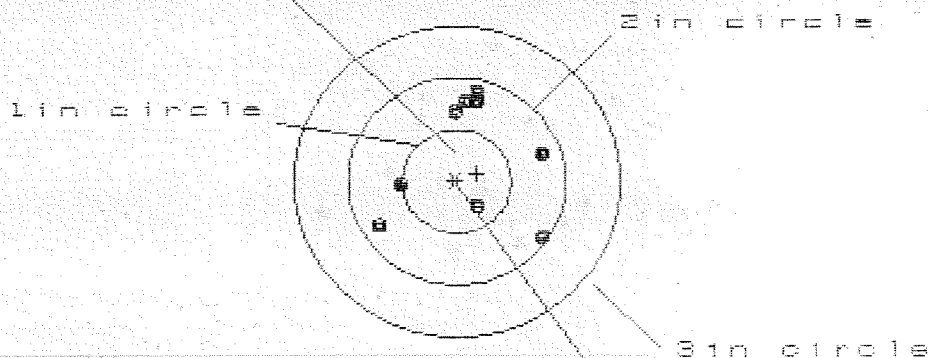
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.476	.799	.643
MINIMUM X	:	-1.519	-1.244	-1.000
MAXIMUM Y	:	1.217	1.066	.909
MINIMUM Y	:	-1.359	-1.293	-1.160
CENTROID X	:	.145	-.130	.026
CENTROID Y	:	-.055	.096	-.037
FOR TO CENTROID in.	:	.155	.162	.045
MIN RADIUS	:	.322	.382	.352
MEAN RADIUS	:	1.106	.905	.788
MAX RADIUS	:	2.924	1.638	1.327
HORIZONTAL SPREAD	:	3.995	2.043	1.643
VERTICAL SPREAD	:	2.576	2.359	2.069
EXTREME SPREAD	:	4.754	3.121	2.547
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587542

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS= 1.865

VS= 2.941

GS= 3.191

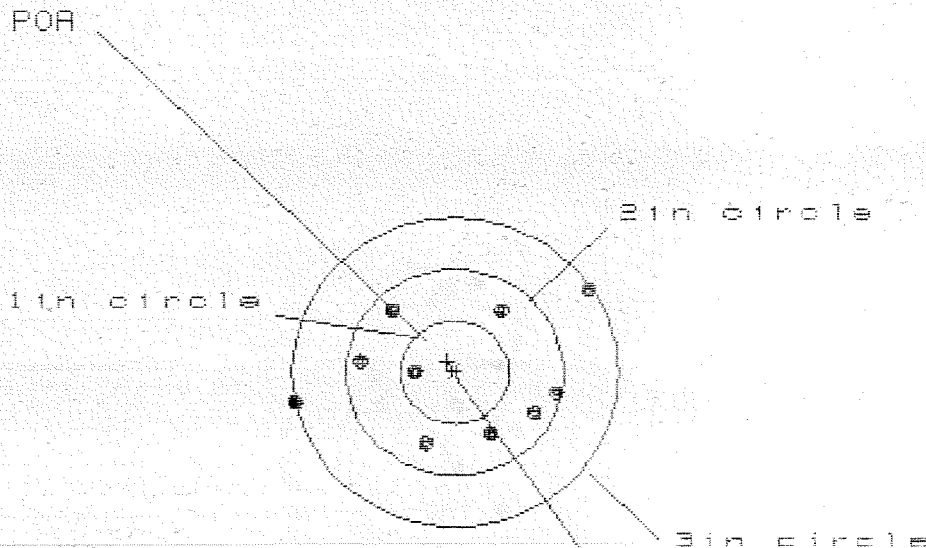
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.826	.710	.792
MINIMUM X	:	-1.039	-.833	-.751
MAXIMUM Y	:	.885	.657	.561
MINIMUM Y	:	-2.056	-.765	-.760
CENTROID X	:	-.186	-.070	-.152
CENTROID Y	:	-.076	.152	.248
POA TO CENTROID in.	:	.201	.168	.291
MIN RADIUS	:	.295	.428	.313
MEAN RADIUS	:	.883	.676	.612
MAX RADIUS	:	2.303	1.065	1.068
HORIZONTAL SPREAD	:	1.865	1.543	1.543
VERTICAL SPREAD	:	2.941	1.422	1.321
EXTREME SPREAD	:	3.191	1.687	1.687
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587542

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 2.645

VS= 1.529

GS= 2.883

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	1.057	.867
MINIMUM X	:	-1.429	-1.031	-.899
MAXIMUM Y	:	.818	.781	.782
MINIMUM Y	:	-.711	-.748	-.650
CENTROID X	:	.070	.229	.097
CENTROID Y	:	-.108	-.071	-.169
POA TO CENTROID in.	:	.129	.240	.195
MIN RADIUS	:	.371	.532	.397
MEAN RADIUS	:	.894	.828	.748
MAX RADIUS	:	1.467	1.314	.922
HORIZONTAL SPREAD	:	2.645	2.088	1.766
VERTICAL SPREAD	:	1.529	1.529	1.352
EXTREME SPREAD	:	2.883	2.193	1.797
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587542

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.170

VS= 3.236

GS= 3.252

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.536	.573	.581
MINIMUM X	-.634	-.597	-.589
MAXIMUM Y	1.692	1.415	1.245
MINIMUM Y	-1.544	-1.356	-1.293
CENTROID X	.002	-.035	-.043
CENTROID Y	-.093	-.281	-.111
POA TO CENTROID in.	.093	.283	.119
MIN RADIUS	.149	.108	.157
MEAN RADIUS	1.042	.960	.896
MAX RADIUS	1.726	1.536	1.378
HORIZONTAL SPREAD	1.170	1.170	1.170
VERTICAL SPREAD	3.236	2.771	2.538
EXTREME SPREAD	3.252	2.847	2.625
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08587542

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.721

VS= 1.587

GS= 2.872

CENTROID #

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.552	.624	.500
MINIMUM X	-1.169	-.997	-.808
MAXIMUM Y	.851	.883	.808
MINIMUM Y	-.736	-.704	-.779
CENTROID X	.071	-.101	.023
CENTROID Y	-.145	-.177	-.102
POA TO CENTROID in.	.161	.204	.105
MIN RADIUS	.248	.391	.284
MEAN RADIUS	.767	.691	.593
MAX RADIUS	1.579	1.162	1.122
HORIZONTAL SPREAD	2.721	1.621	1.308
VERTICAL SPREAD	1.587	1.587	1.587
EXTREME SPREAD	2.872	2.045	1.929
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	