

C6348796

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400064312

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Smeed®

No. 2-152-SL

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6348796

ORDER NO.
5716

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

Ø1



5716 C6348796

UPC



0 47700 25716 7

Serial Number: C6348796
Model: 700

RE00032500

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348796
5 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .153
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0626
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .165311

THE AMR FOR THIS RIFLE IS: 1.12

CENTROIDAL DISTANCES

0	TO	1	.171747
1	TO	2	.197307
1	TO	3	.431431
1	TO	4	.312128
1	TO	5	.102176

3 4
+5 2 <----POA

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .171

MIN RADIUS : .240

MEAN RADIUS : .857

MAX RADIUS : 1.531

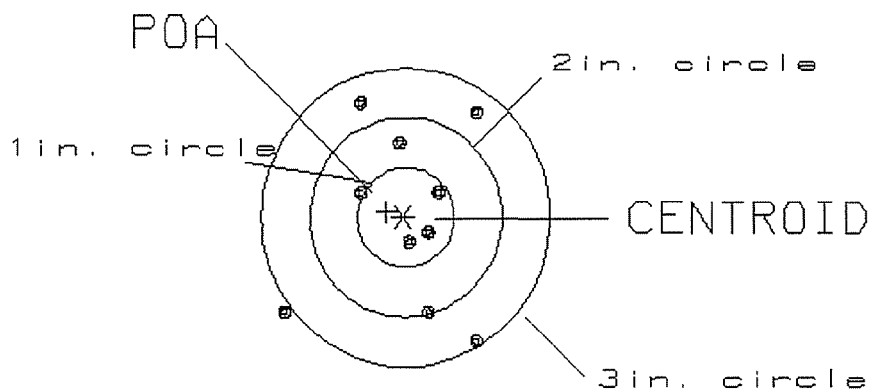
CENTROID X : .164

CENTROID Y : -.051

5 Oct 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.95

3

VS= 2.42

6

GS= 2.76

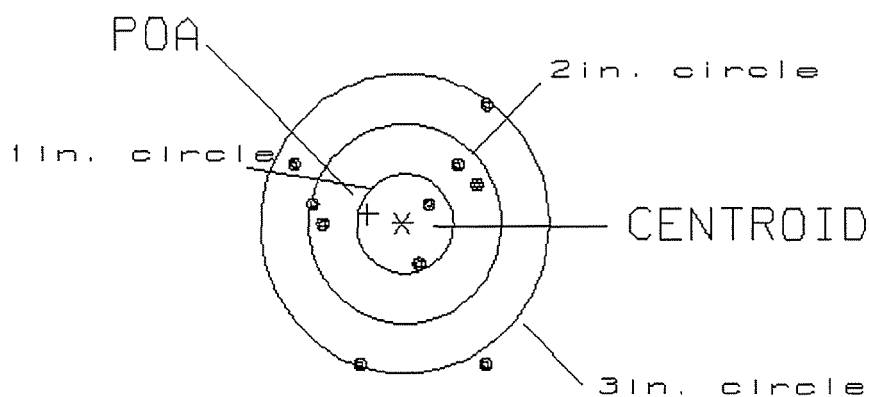
9

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .369
 MIN RADIUS : .351
 MEAN RADIUS : 1.024
 MAX RADIUS : 1.642
 CENTROID X : .357
 CENTROID Y : -.092

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.06

2

VS= 2.63

6

GS= 2.91

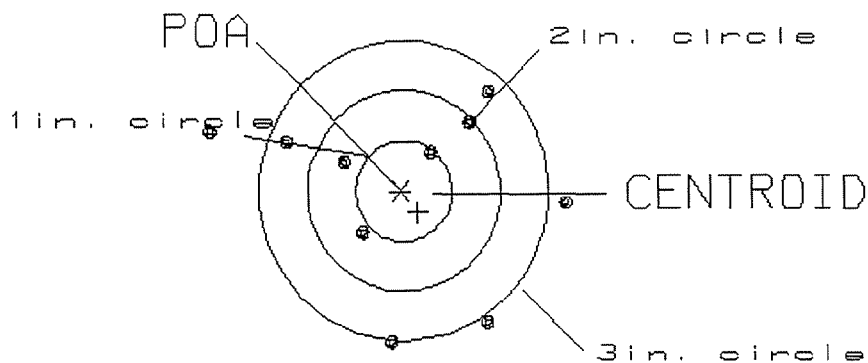
8

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .277
 MIN RADIUS : .456
 MEAN RADIUS : 1.223
 MAX RADIUS : 2.148
 CENTROID X : -.178
 CENTROID Y : .212

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.72

1

VS= 2.49

4

GS= 3.79

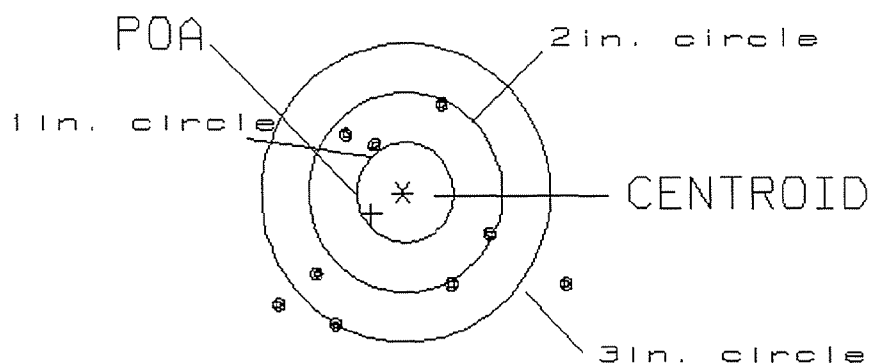
6

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .390
 MIN RADIUS : .599
 MEAN RADIUS : 1.460
 MAX RADIUS : 3.660
 CENTROID X : .324
 CENTROID Y : .217

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.99

0

VS= 4.97

3

GS= 5.12

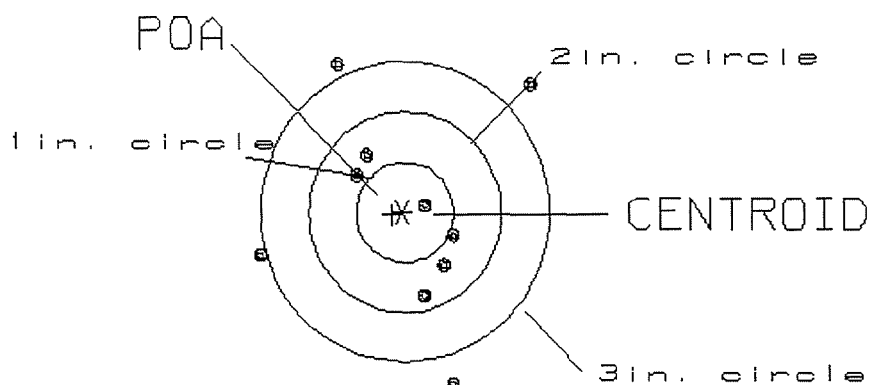
6

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .102
 MIN RADIUS : .213
 MEAN RADIUS : 1.037
 MAX RADIUS : 1.830
 CENTROID X : .098
 CENTROID Y : .027

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.80

1

VS= 3.14

6

GS= 3.37

6

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

R & E NUMBER 32500			
SERIAL NUMBER C12348796			
LOG-IN DATE 9-13-01			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-18-01	RTH
560 A	RE-BARREL AT CUSTOM SHOP	9/20/01	BWT
B	DRILL AND TAP	9/20/01	BWT
C	POLISH	9-20-01	GP
575	ASSEMBLE	9-20-01	RTH
600	PROOF	9-21-01	RTH
605	CHECK HEADSPACE	9-24-01	RTH
610	DIS-ASSEMBLE GUN	9-24-01	RTH
612	MAGNAFLUX	AL	
615	ROLLMARK CALIBER	9-24-01	RTH
618	ROTO-BLAST	9/25	IS
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-3-01	RTH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-4-01	AC
655	FINAL INSPECT	10-6-01	RTH
660	PACK	10-6-01	RTH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C648796

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

Inspector: [Signature]

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:

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348796

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	7 25 89	RW
600	Proof		8 25 89	RW
607	Check Headspace		8 25 89	RW
610	Dis-assemble Gun		8 25 89	RW
612	Magnaflux Barrel Action		7/28/89	DS
	Magnaflux Bolt		7/28/89	DS
615	Rollmark Caliber		7/28/89	DS
7	Drill and Tap Sight Holes		7/29/89	WC
618	Polish Barrel <i>RB</i>		7/31/89	WB
620	Apply Coatings (Barrel Action)		8/2/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/7/89	RW
	C) Inspect Ejector Hole for Chamfer		8/7/89	RW
	D) Oil Firing Pin Ass'y		8/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9 Aug 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5			9 Aug 89	JSL
	G) Safety Off Force	4	4	4			9 Aug 89	JSL
	H) Trigger Pull Test & Retainability						9 Aug 89	JSL
	I) Firing Pin Indent	.0215	.022	.022			9 Aug 89	JSL
	J) Assemble Stock						8/10/89	RW
	K) Assemble Swivel Studs						16 Aug 89	JSL
	L) Attach Front and Rear Sight Assemblies						8/10/89	RW
	M) Iron Sight Alignment						8/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/10/89	RW
	O) Attach Scope to Rifle						10 Aug 89	JSL
	P) Detach & Attach Scope 20 Times						10 Aug 89	JSL
640	Gallery Target & Test	82R	70L				8-14-89	DH
	A) Time						8-14-89	DH
	B) Malfunctions						8-14-89	DH
	C) Pierced Primers						8-14-89	DH
	D) Optical Clarity of Scope						8-14-89	DH
645	Inspect for Live Ammo						8-14-89	DH
655	Final Inspection							
	A) Headspace						16 Aug 89	JSL
	B) Trigger Pull	2.31	2.61	2.67	2.37	2.54	16 Aug 89	JSL
	C) Function						16 Aug 89	JSL
660	Pack						20 Sept 89	JSL

SWS TRIGGER PULL TEST

8796

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS2.50# + .50#
3.00# + .75#
4.00# + 1.00#SERIAL NO. C6225/50DATE 23 May 89TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.60	2.63	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.66	2.70	2.18	
PULL #3	2.45	2.59	2.65	2.19	
PULL #4	2.54	2.63	2.62	2.21	
PULL #5	2.59	2.61	2.58	2.25	
TOTAL	12.42	13.09	13.18	11.05	
AVG.	2.484	2.618	2.636	2.21	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	2.96		
PULL #2	3.09	3.20		
PULL #3	3.12	3.20		
PULL #4	3.22	3.22		
PULL #5	3.22	3.09		
TOTAL	15.79	15.67		
AVG.	3.158	3.134		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	3.81		4.18
PULL #2	4.13	3.97		4.25
PULL #3	4.20	3.97		4.35
PULL #4	4.15	4.01		4.23
PULL #5	4.15	4.02		4.18
TOTAL	20.71	19.78		21.19
AVG.	4.142	3.956		4.238

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348796
15 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.565279
1 TO	2	.260357
1 TO	3	.318523
1 TO	4	.887139
1 TO	5	.65162

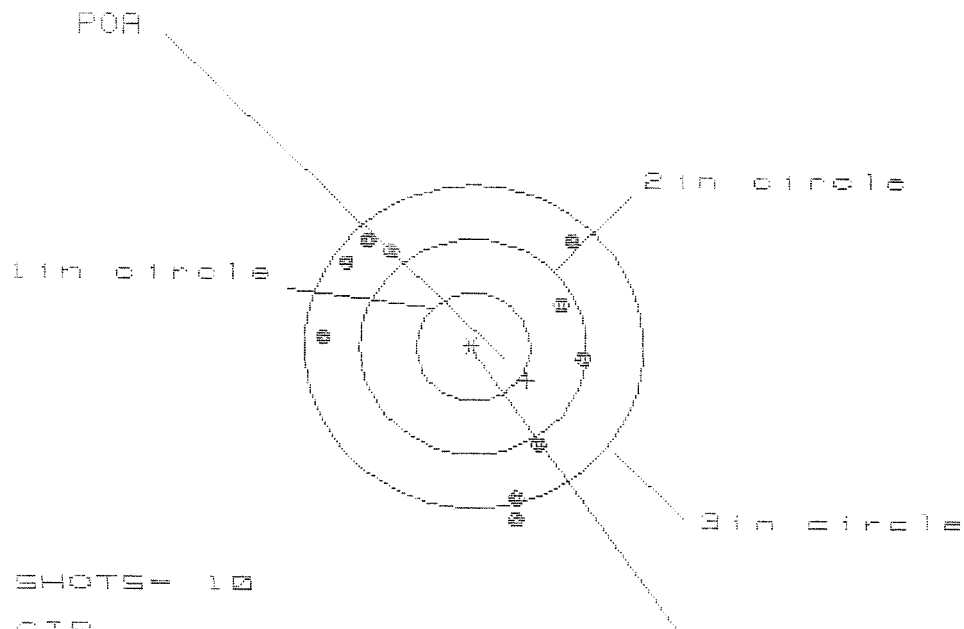
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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0878
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1398
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .165084
THE AMR FOR THIS RIFLE IS: .9556

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B786

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 2

3 in = 8

HS= 2.277

VS= 2.614

GS= 2.864

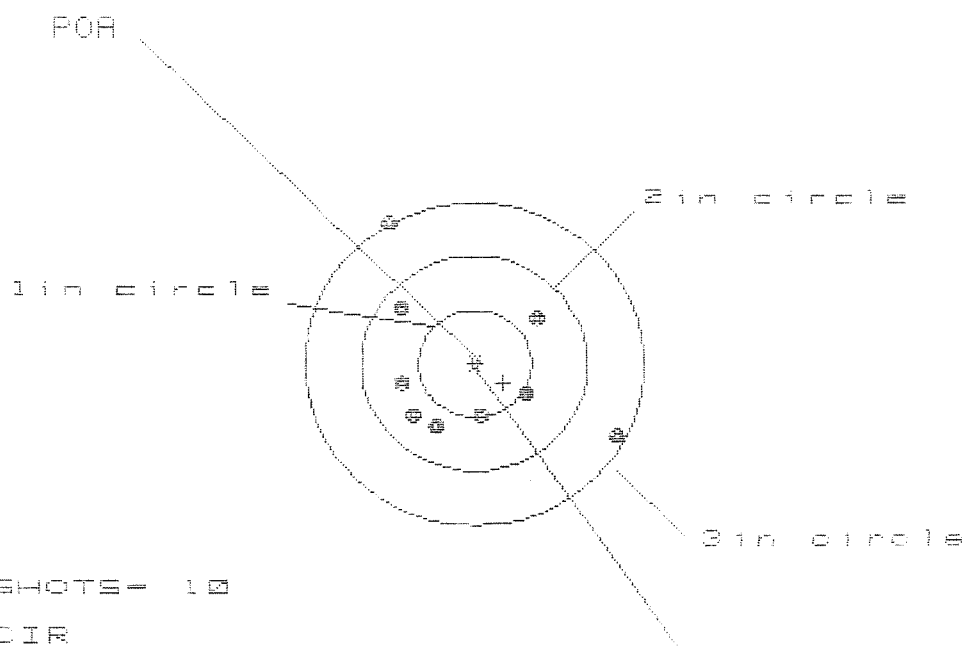
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.975	1.019	1.075
MINIMUM X	-1.302	-1.258	-1.202
MAXIMUM Y	.997	.818	.615
MINIMUM Y	-1.617	-1.623	-1.310
CENTROID X	-.474	-.518	-.574
CENTROID Y	.308	.487	.696
POA TO CENTROID in.	.565	.711	.898
MIN RADIUS	.823	.806	.769
MEAN RADIUS	1.246	1.179	1.087
MAX RADIUS	1.664	1.685	1.471
HORIZONTAL SPREAD	2.277	2.277	2.277
VERTICAL SPREAD	2.614	2.441	1.925
EXTREME SPREAD	2.864	2.717	2.387
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	8		

7 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346796

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 8

3 in = 9

HS= 2.044

VS= 2.006

GS= 2.864

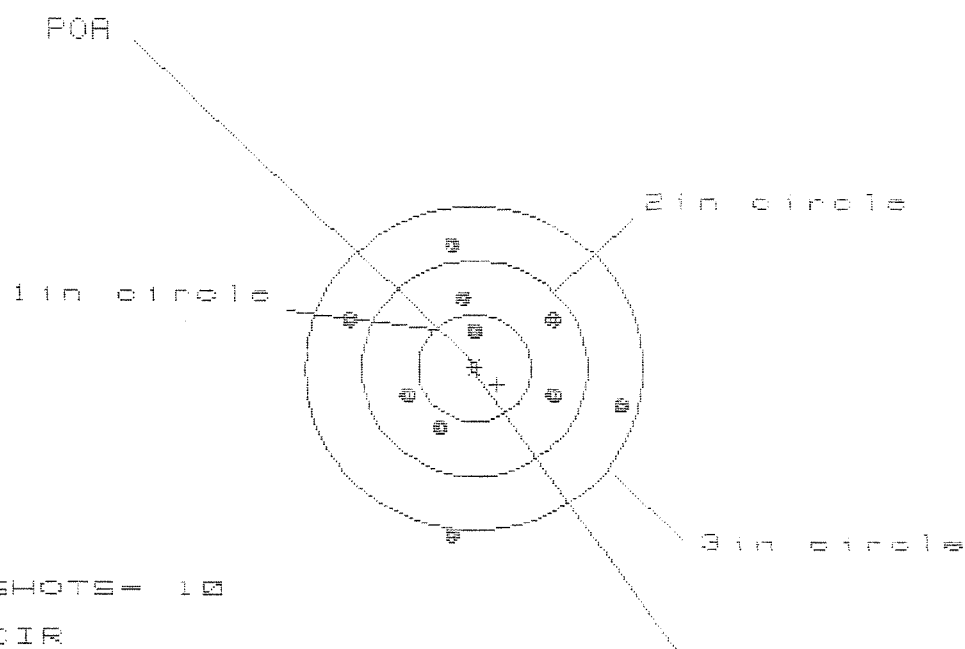
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.295	1.212	.655
MINIMUM X	:	-.749	-.742	-.591
MAXIMUM Y	:	1.329	.642	.576
MINIMUM Y	:	-.677	-.530	-.473
CENTROID X	:	-.249	-.166	-.317
CENTROID Y	:	.177	.030	.096
POA TO CENTROID in.	:	.306	.169	.332
MIN RADIUS	:	.516	.362	.454
MEAN RADIUS	:	.830	.731	.650
MAX RADIUS	:	1.525	1.323	.827
HORIZONTAL SPREAD	:	2.044	1.954	1.246
VERTICAL SPREAD	:	2.006	1.172	1.049
EXTREME SPREAD	:	2.864	2.272	1.420
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348756

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.376

VS= 2.705

GS= 2.705

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.229	.836
MINIMUM X	:	-1.123	-1.147	-.994
MAXIMUM Y	:	1.121	.945	.885
MINIMUM Y	:	-1.584	-.715	-.775
CENTROID X	:	-.198	-.174	-.327
CENTROID Y	:	.149	.325	.385
POA TO CENTROID in.	:	.248	.368	.505
MIN RADIUS	:	.392	.220	.188
MEAN RADIUS	:	.910	.806	.724
MAX RADIUS	:	1.600	1.319	1.007
HORIZONTAL SPREAD	:	2.376	2.376	1.830
VERTICAL SPREAD	:	2.705	1.660	1.660
EXTREME SPREAD	:	2.705	2.479	1.916
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346796

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 1.574

VS= 3.348

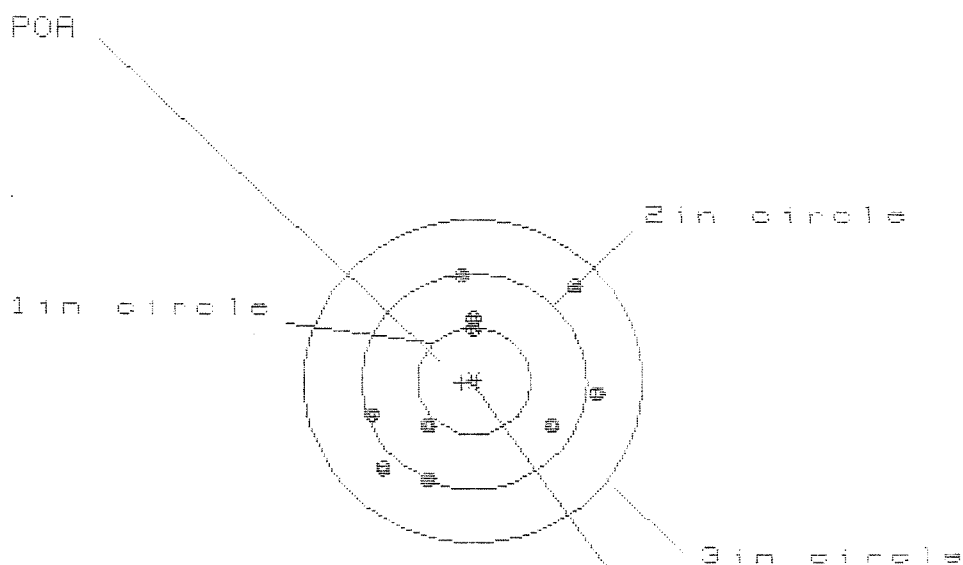
GS= 3.371

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.875	.815
MINIMUM X	:	-.690	-.699	-.759
MAXIMUM Y	:	1.866	.986	.827
MINIMUM Y	:	-1.482	-1.275	-1.075
CENTROID X	:	.376	.385	.445
CENTROID Y	:	.054	-.153	.006
POA TO CENTROID in.	:	.380	.414	.445
MIN RADIUS	:	.217	.378	.258
MEAN RADIUS	:	.909	.802	.707
MAX RADIUS	:	1.868	1.364	1.079
HORIZONTAL SPREAD	:	1.574	1.574	1.574
VERTICAL SPREAD	:	3.348	2.261	1.902
EXTREME SPREAD	:	3.371	2.262	1.945
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348796

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.937

VS= 1.950

GS= 2.385

CENTROID *

PATTERN # : **5**

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.048	1.147	1.061
MINIMUM X	-.889	-.790	-.876
MAXIMUM Y	1.020	1.123	1.040
MINIMUM Y	-.930	-.827	-.910
CENTROID X	.106	.007	.093
CENTROID Y	.011	-.092	-.009
POR TO CENTROID in.	.107	.092	.093
MIN RADIUS	.450	.432	.469
MEAN RADIUS	.883	.828	.806
MAX RADIUS	1.286	1.147	1.063
HORIZONTAL SPREAD	1.937	1.937	1.937
VERTICAL SPREAD	1.950	1.950	1.950
EXTREME SPREAD	2.385	1.971	1.971
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		