

C6225061

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Sword

Repair Number: **RE00018373** Serial: C6225061 Model 700 Central Fire Caliber 7.62 NATO M 24 (SWS) Repairman: Status: Closed 12/5/00 7:45:12 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **COMMANDER** **COMMANDER**

Address 1: **HSC 3/10 SFG (A)** **HSC 3/10 SFG (A)**

Address 2: PO Box PO Box

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Pool:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	1
A000	With Swivel	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1
X	BI-POD	1

Repair Search Refresh Close

Start 12/5/00 9:35 AM NUM 9:35 AM

Number: **C6225061**

BBL-9600.3

Model: **700**



RE00018373

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

R & E NUMBER		<i>18373</i>	
SERIAL NUMBER		<i>C6225061</i>	
LOG-IN DATE		<i>11-30-00</i>	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>12-5-00</i>	<i>CK</i>
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>12-15-00</i>	<i>CK</i>
605	CHECK HEADSPACE	<i>12-15-00</i>	<i>CK</i>
610	DIS-ASSEMBLE GUN		
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>1-15-01</i>	<i>RW</i>
655	FINAL INSPECT	<i>1-30-01</i>	<i>CK</i>
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

S.N: C6225061 DATE REC'D: 11-30-00 DATE RET'D:

AUDITOR: CK

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: _____

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225061
29 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .022
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0972
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0996586

THE AMR FOR THIS RIFLE IS: 1.276

CENTROIDAL DISTANCES

Ø TO	1	.17809
1 TO	2	.495245
1 TO	3	.378652
1 TO	4	.249483
1 TO	5	.191846

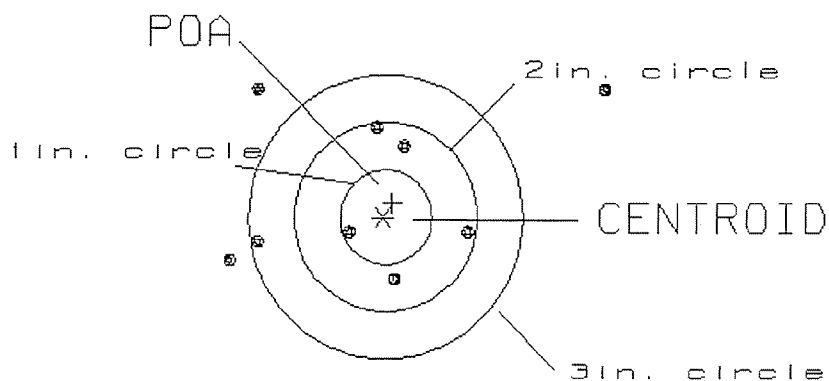
2
+ 3 <----POA
1
54

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .178
 MIN RADIUS : .429
 MEAN RADIUS : 1.463
 MAX RADIUS : 3.013
 CENTROID X : -.096
 CENTROID Y : -.150

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.17
 VS= 4.05
 GS= 4.88

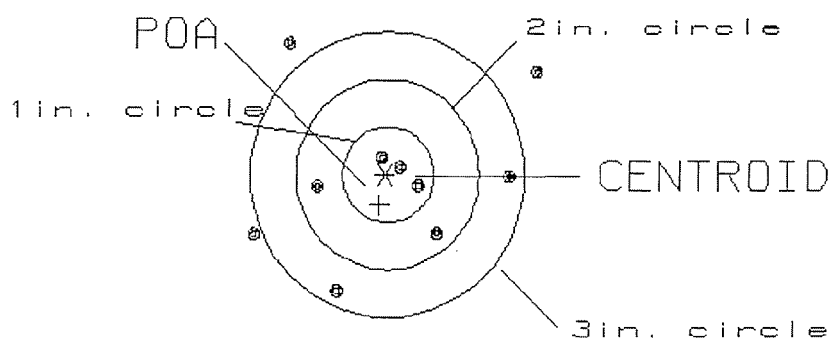
1
 5
 6

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .324
 MIN RADIUS : .165
 MEAN RADIUS : 1.021
 MAX RADIUS : 1.919
 CENTROID X : .066
 CENTROID Y : .318

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.02
 VS= 2.55
 GS= 3.47

3
 5
 7

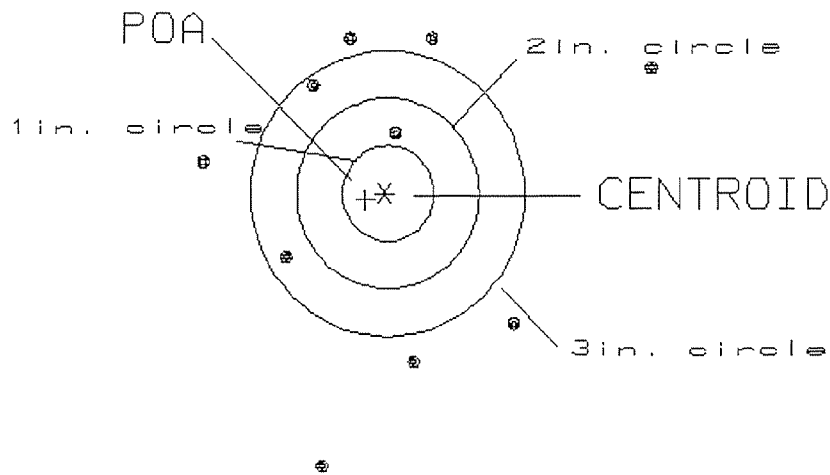
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .225
 MIN RADIUS : .645
 MEAN RADIUS : 1.837
 MAX RADIUS : 3.125
 CENTROID X : .215
 CENTROID Y : .066

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.84

0

VS= 4.43

1

GS= 5.45

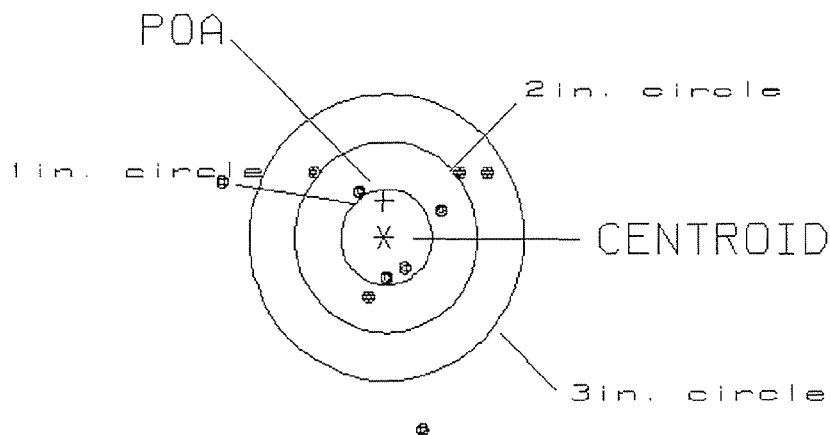
3

PATTERN #: 4
 POA TO CENTROID: .379
 MIN RADIUS : .346
 MEAN RADIUS : .997
 MAX RADIUS : 2.090
 CENTROID X : .003
 CENTROID Y : -.379

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.86

2

VS= 2.76

5

GS= 3.44

8

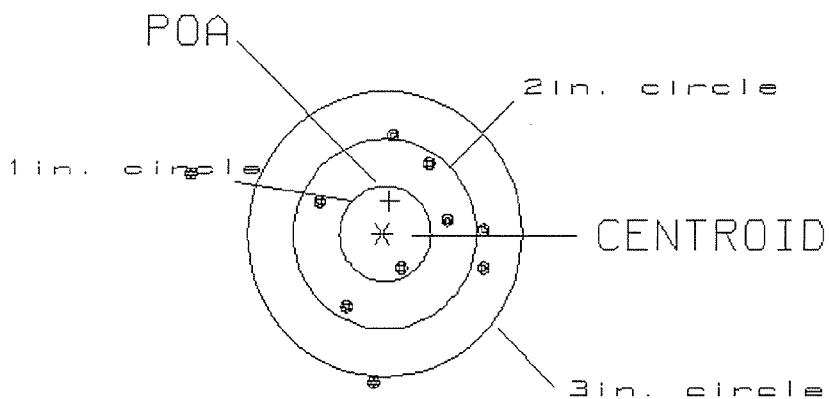
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .349
 MIN RADIUS : .378
 MEAN RADIUS : 1.063
 MAX RADIUS : 2.212
 CENTROID X : -.078
 CENTROID Y : -.341

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.16

1

VS= 2.65

5

GS= 3.31

8

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225061
16 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0532

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3092

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .313743

THE AMR FOR THIS RIFLE IS: 1.32

CENTROIDAL DISTANCES

0 TO	1	1.01947
1 TO	2	1.14523
1 TO	3	1.22302
1 TO	4	1.3771
1 TO	5	1.29227

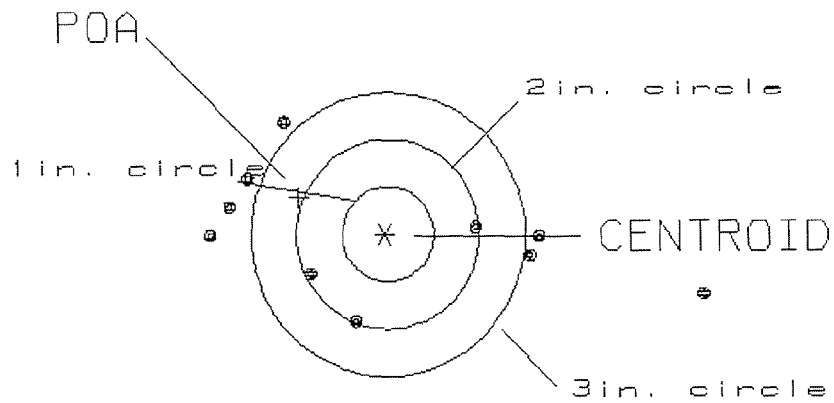
52 + <----POA
43 1

PATTERN #: 1
 POA TO CENTROID: 1.019
 MIN RADIUS : .953
 MEAN RADIUS : 1.658
 MAX RADIUS : 3.532
 CENTROID X : .946
 CENTROID Y : -.380

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 5.39
 VS= 2.04
 GS= 5.43

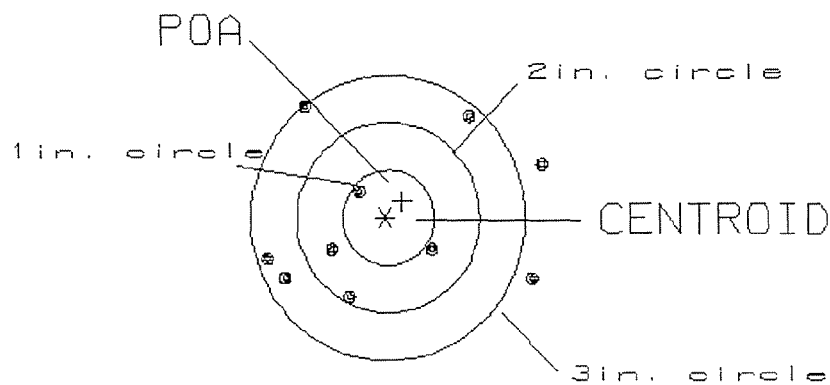
0
 3
 3

PATTERN #: 2
 POA TO CENTROID: .248
 MIN RADIUS : .386
 MEAN RADIUS : 1.159
 MAX RADIUS : 1.744
 CENTROID X : -.180
 CENTROID Y : -.171

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.96
 VS= 2.02
 GS= 3.12

1
 4
 5

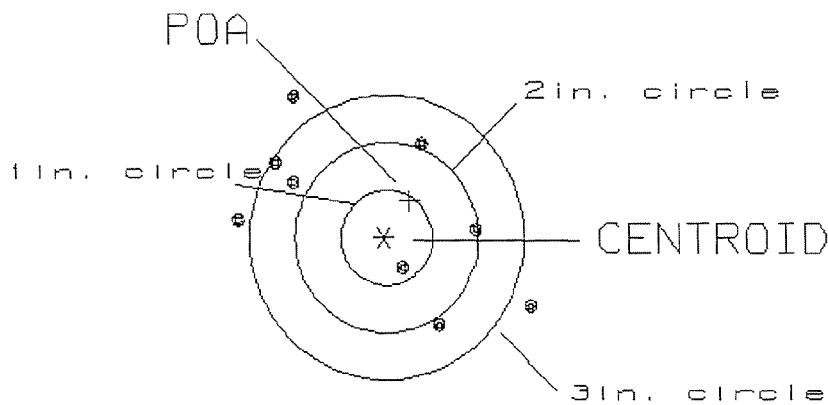
PATTERN #: 3

POA TO CENTROID: .476
 MIN RADIUS : .390
 MEAN RADIUS : 1.401
 MAX RADIUS : 2.636
 CENTROID X : -.277
 CENTROID Y : -.387

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.18

1

VS= 3.83

1

GS= 4.45

6

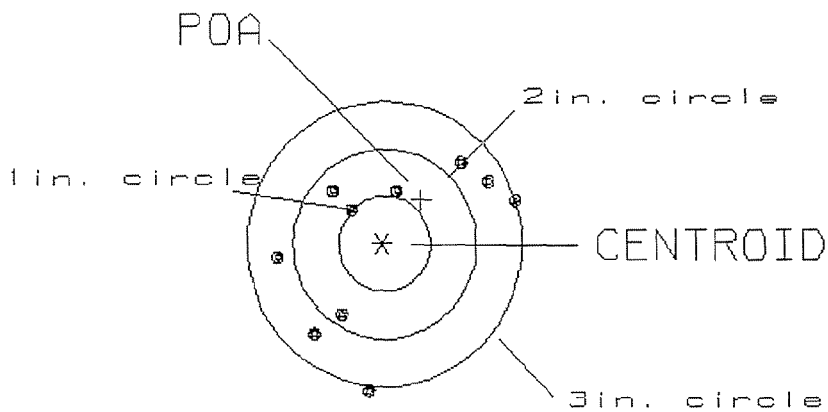
PATTERN #: 4

POA TO CENTROID: .626
 MIN RADIUS : .528
 MEAN RADIUS : 1.075
 MAX RADIUS : 1.598
 CENTROID X : -.429
 CENTROID Y : -.456

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.68

0

VS= 2.42

4

GS= 2.75

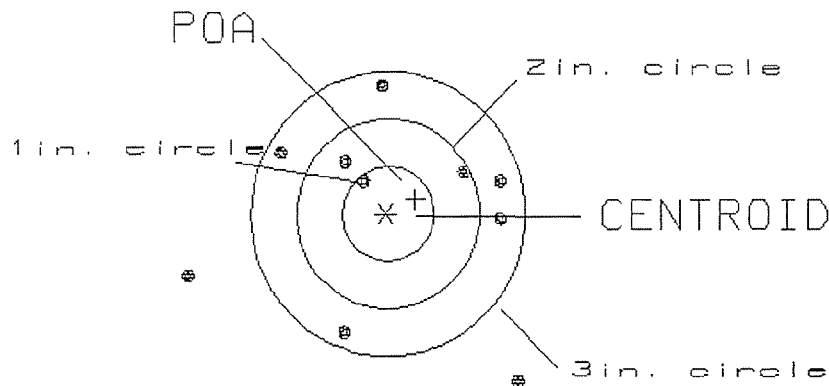
8

PATTERN #: 5
 POA TO CENTROID: .360
 MIN RADIUS : .417
 MEAN RADIUS : 1.307
 MAX RADIUS : 2.283
 CENTROID X : -.326
 CENTROID Y : -.152

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.59

1

VS= 3.10

3

GS= 3.76

8

Remington Test Lab, Ilion, N.Y.

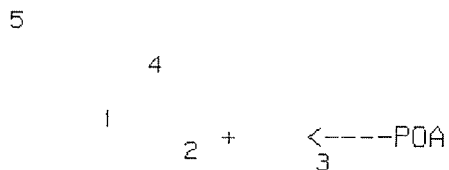
Centroidal distance calculations for Rifle # c6225061
11 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.4776$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $.2302$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.530183$

THE AMR FOR THIS RIFLE IS: 1.373

CENTROIDAL DISTANCES

0 TO 1	.834871
1 TO 2	.609277
1 TO 3	1.48736
1 TO 4	.482499
1 TO 5	.904144

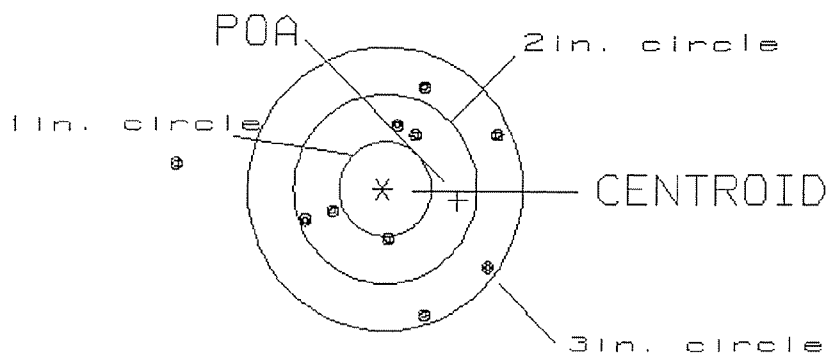


PATTERN #: 1
 POA TO CENTROID: .835
 MIN RADIUS : .517
 MEAN RADIUS : 1.085
 MAX RADIUS : 2.252
 CENTROID X : -.825
 CENTROID Y : .128

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.50

0

VS= 2.34

5

GS= 3.52

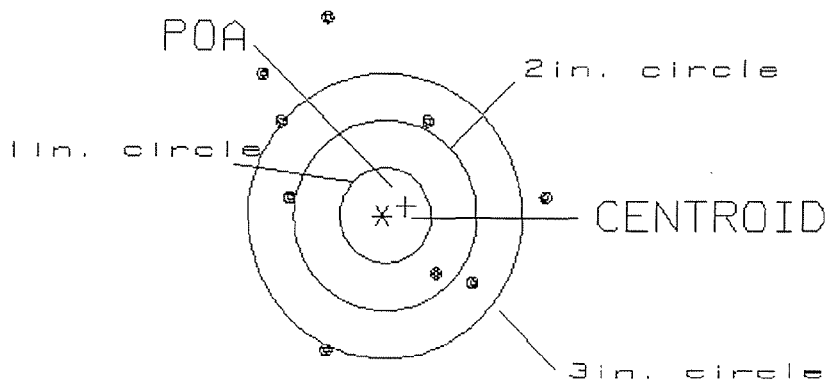
9

PATTERN #: 2
 POA TO CENTROID: .275
 MIN RADIUS : .830
 MEAN RADIUS : 1.678
 MAX RADIUS : 3.378
 CENTROID X : -.258
 CENTROID Y : -.095

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.17

0

VS= 5.27

1

GS= 5.55

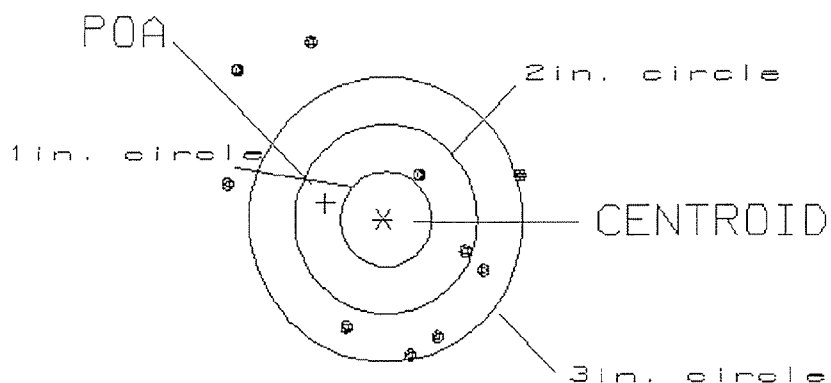
4

PATTERN #: 130
 POA TO CENTROID: .655
 MIN RADIUS : .572
 MEAN RADIUS : 1.429
 MAX RADIUS : 2.226
 CENTROID X : .632
 CENTROID Y : -.171

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.21

0

VS= 3.33

2

GS= 3.53

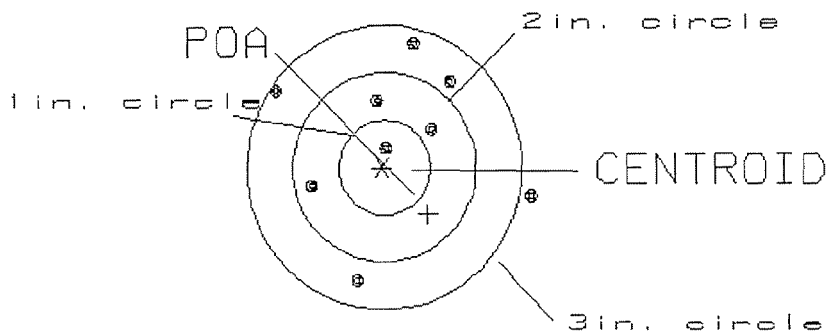
6

PATTERN #: 4
 POA TO CENTROID: .704
 MIN RADIUS : .247
 MEAN RADIUS : 1.209
 MAX RADIUS : 2.850
 CENTROID X : -.506
 CENTROID Y : .490

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225061

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.88

1

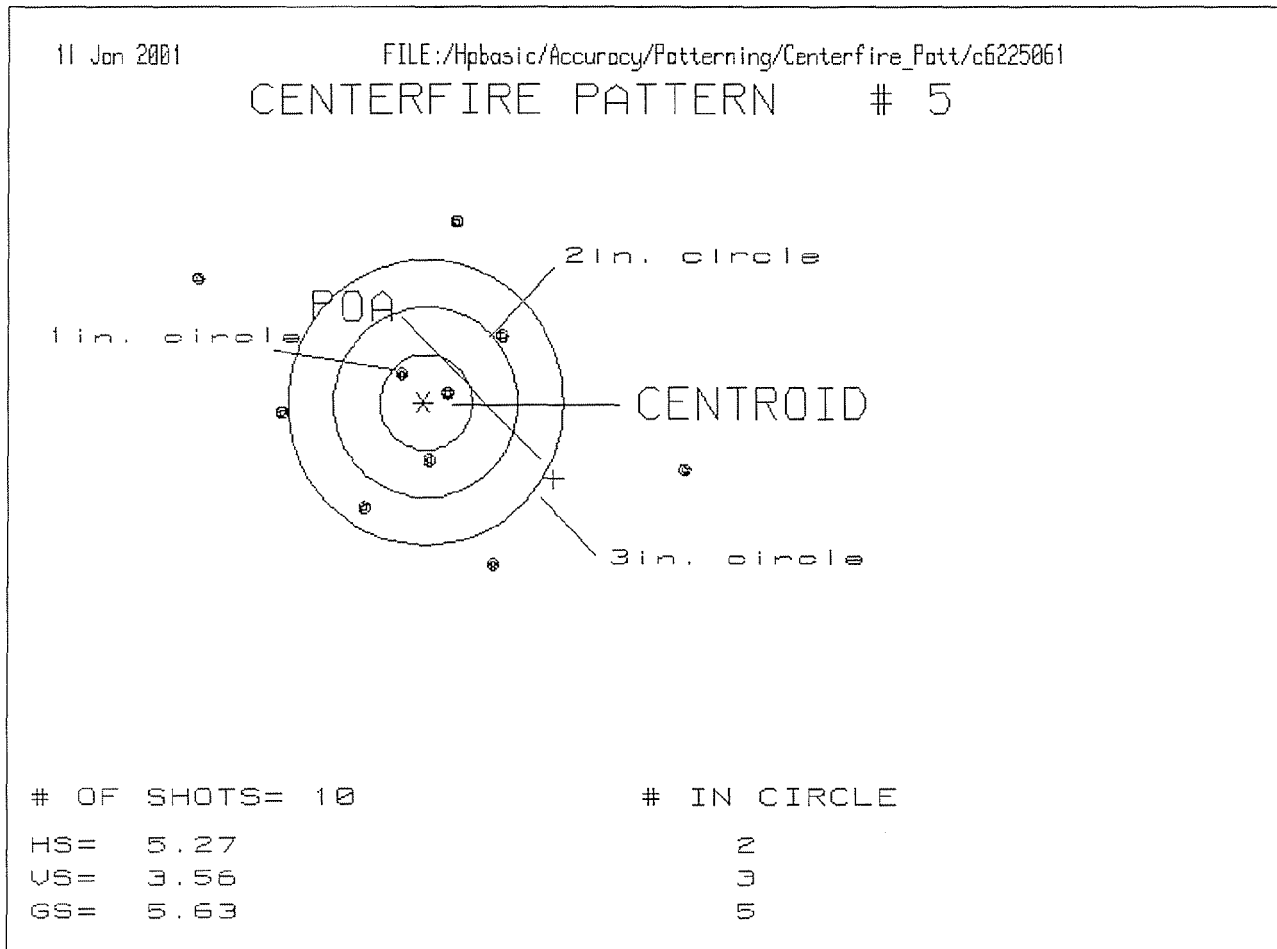
VS= 4.11

4

GS= 4.23

8

PATTERN #: 5
 POA TO CENTROID: 1.639
 MIN RADIUS : .283
 MEAN RADIUS : 1.464
 MAX RADIUS : 2.909
 CENTROID X : -1.431
 CENTROID Y : .799



Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225061

ORDER NO.
5716

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

01

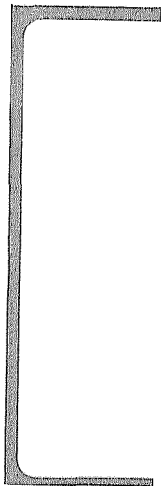


5716 C6225061

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225061

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	FB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	RU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/26/89	JS
	G) Safety Off Force	3	3	3			4/26/89	JS
	H) Trigger Pull Test & Retainability						4/26/89	S.S.
	I) Firing Pin Indent	.020	.020	.020			4/26/89	JS
	J) Assemble Stock						5/1/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/1/89	RW
	M) Iron Sight Alignment						5/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/1/89	RW
	O) Attach Scope to Rifle						5/1/89	JS
	P) Detach & Attach Scope 20 Times						5/1/89	JS
640	Gallery Target & Test	74 R	78 L				5/3/89	A
	A) Time						5/3/89	A
	B) Malfunctions						5/3/89	A
	C) Pierced Primers						5/3/89	A
	D) Optical Clarity of Scope						5/3/89	A
645	Inspect for Live Ammo						5/3/89	A
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.73	2.75	2.72	2.64	2.69	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						27 June 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5061

DATE 3-12-90

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.23	2.24	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.36	2.30	
PULL #3	2.25	2.36	2.36	
PULL #4	2.27	2.31	2.42	
PULL #5	2.27	2.33	2.34	
TOTAL	11.26	11.60	11.81	
AVG.	2.252	2.32	2.362	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.56	3.46	
PULL #2	3.36	3.41	
PULL #3	3.32	3.41	
PULL #4	3.41	3.33	
PULL #5	3.40	3.33	
TOTAL	17.05	16.94	
AVG.	3.41	3.388	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.40		4.39
PULL #2	4.52	4.41		4.38
PULL #3	4.52	4.51		4.25
PULL #4	4.41	4.41		4.39
PULL #5	4.48	4.41		4.31
TOTAL	22.36	22.14		21.72
AVG.	4.472	4.428		4.344

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225061
3 May 1989

CENTROIDAL DISTANCES

0 TO	1	.724586
1 TO	2	.345081
1 TO	3	.331857
1 TO	4	.947884
1 TO	5	.703609

$\bar{x}_j^5$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4514
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0174
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .451735
THE AMR FOR THIS RIFLE IS: 1.081

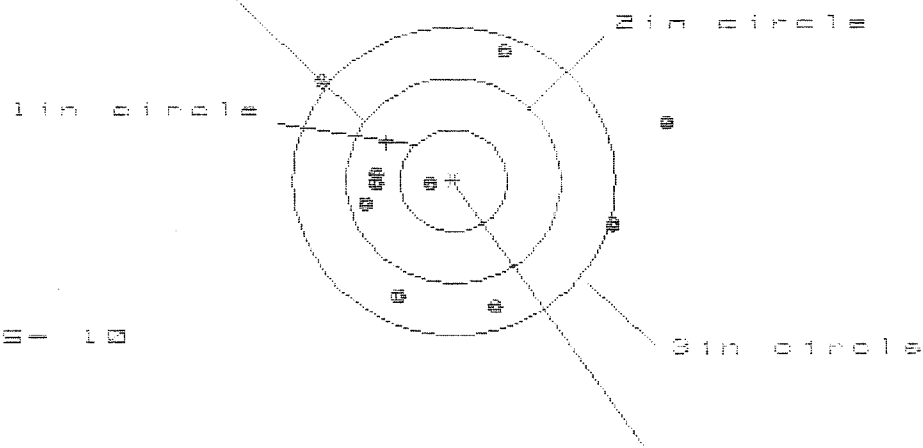
3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225081

CENTERFIRE PATTERNS

1

POB



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 3.252

VS= 2.538

GS= 3.268

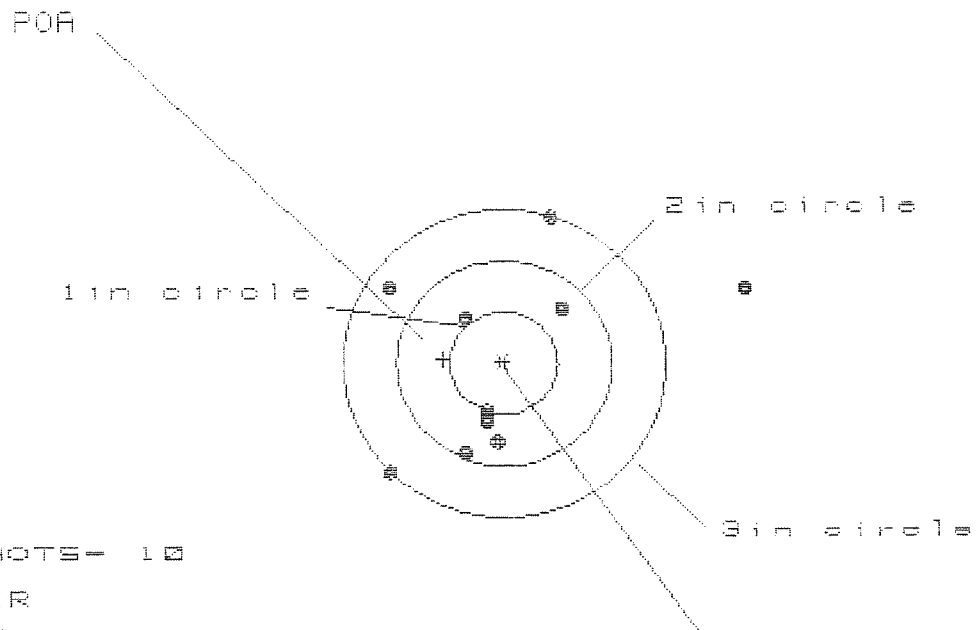
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.998	1.733	.987
MINIMUM X	-1.254	-1.033	-.816
MAXIMUM Y	1.281	1.350	1.306
MINIMUM Y	-1.257	-1.188	-1.232
CENTROID X	.620	.399	.182
CENTROID Y	-.375	-.444	-.400
POB TO CENTROID in.	.725	.596	.440
MIN RADIUS	.253	.081	.169
MEAN RADIUS	1.163	.979	.821
MAX RADIUS	2.092	1.768	1.579
HORIZONTAL SPREAD	3.252	2.766	1.703
VERTICAL SPREAD	2.538	2.538	2.538
EXTREME SPREAD	3.268	3.081	2.710
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225061

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 3.358

VS= 2.511

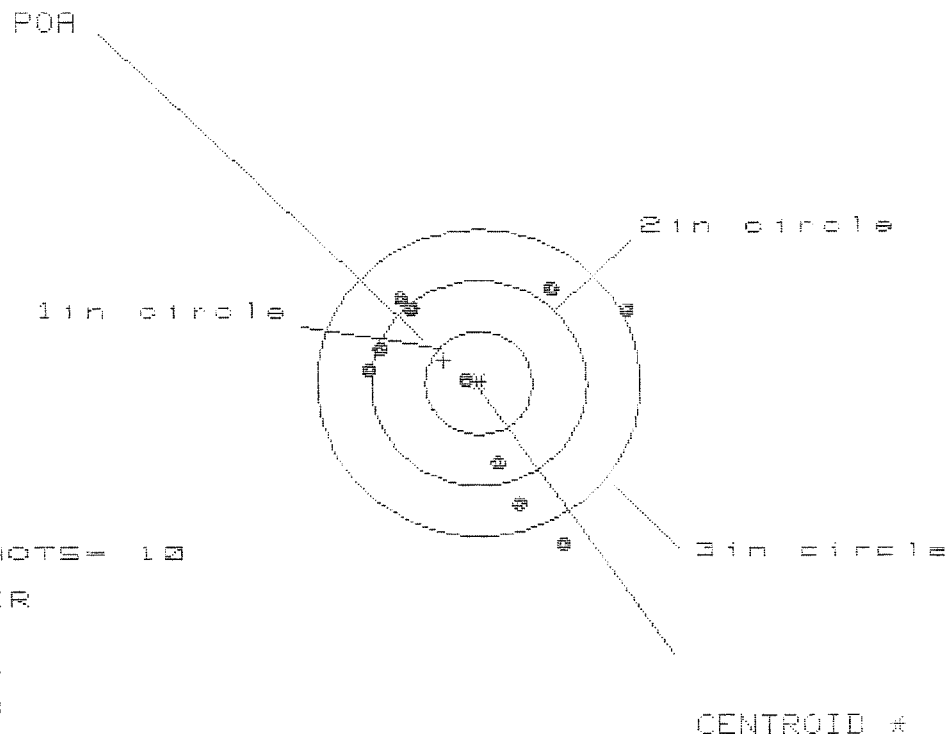
GS= 3.803

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.248	.868	.701
MINIMUM X	:	-1.110	-.860	-.913
MAXIMUM Y	:	1.432	1.510	1.385
MINIMUM Y	:	-1.079	-1.001	-.926
CENTROID X	:	.561	.311	.418
CENTROID Y	:	-.035	-.113	.012
POA TO CENTROID in.	:	.562	.331	.419
MIN RADIUS	:	.509	.405	.415
MEAN RADIUS	:	1.077	.893	.849
MAX RADIUS	:	2.357	1.650	1.493
HORIZONTAL SPREAD	:	3.358	1.668	1.614
VERTICAL SPREAD	:	2.511	2.511	2.311
EXTREME SPREAD	:	3.803	2.937	2.438
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.356

VS= 2.470

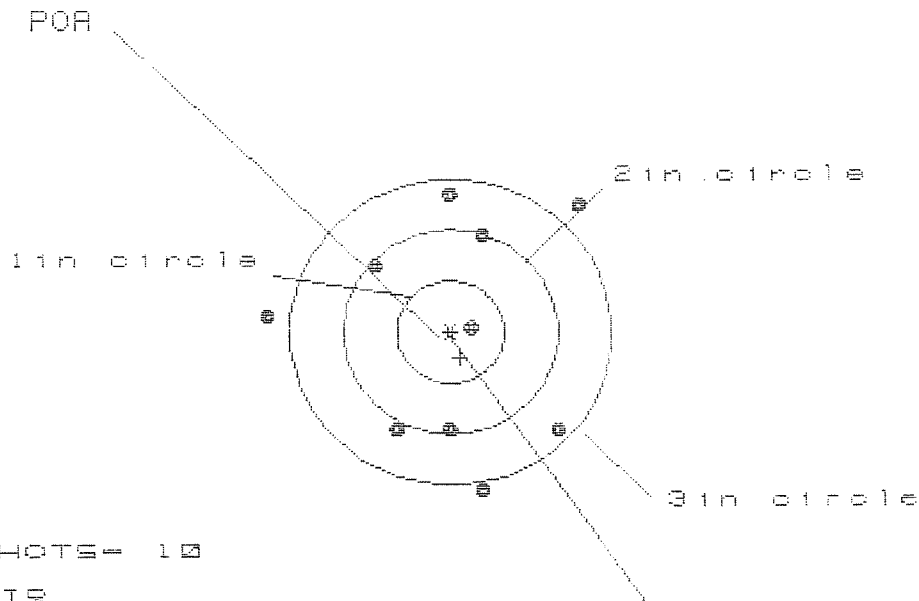
GS= 2.847

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.375	1.459	.921
MINIMUM X	-.981	-.897	-.714
MAXIMUM Y	.884	.708	.782
MINIMUM Y	-1.585	-1.401	-1.327
CENTROID X	.325	.241	.058
CENTROID Y	-.223	-.047	-.121
POA TO CENTROID in.	.394	.245	.135
MIN RADIUS	.079	.168	.210
MEAN RADIUS	1.068	.972	.868
MAX RADIUS	1.756	1.575	1.477
HORIZONTAL SPREAD	2.356	2.356	1.635
VERTICAL SPREAD	2.470	2.109	2.109
EXTREME SPREAD	2.847	2.453	2.347
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.821

VS= 2.936

GS= 3.053

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.151	1.132	.948
MINIMUM X	:	-1.670	-1.542	-.776
MAXIMUM Y	:	1.391	1.532	1.563
MINIMUM Y	:	-1.545	-1.484	-1.373
CENTROID X	:	-.098	-.218	-.026
CENTROID Y	:	.253	.112	.081
POR TO CENTROID in.	:	.268	.245	.085
MIN RADIUS	:	.188	.361	.246
MEAN RADIUS	:	1.205	1.147	1.074
MAX RADIUS	:	1.714	1.561	1.563
HORIZONTAL SPREAD	:	2.821	2.674	1.715
VERTICAL SPREAD	:	2.936	2.936	2.936
EXTREME SPREAD	:	3.053	2.947	2.947
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

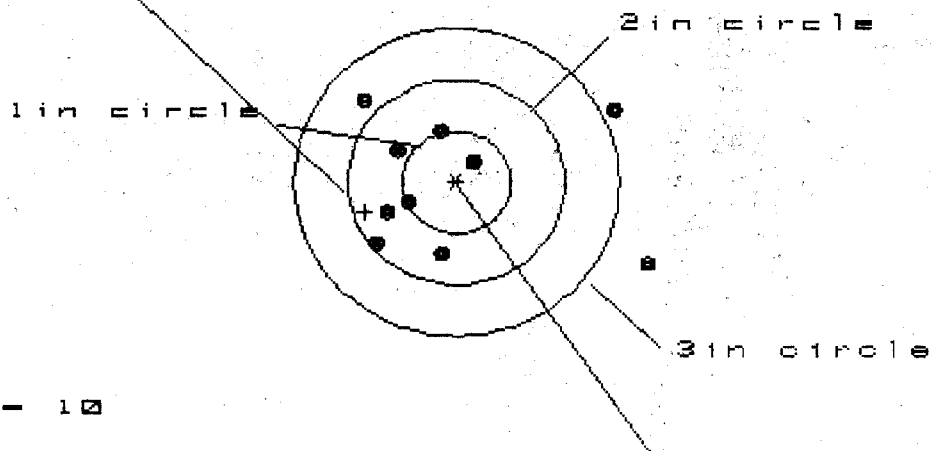
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CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 7

3 in - 8

HS= 2.608

VS= 1.604

GS= 3.062

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.730	1.664	.541
MINIMUM X	:	-.878	-.686	-.478
MAXIMUM Y	:	.775	.683	.762
MINIMUM Y	:	-.829	-.826	-.747
CENTROID X	:	.841	.649	.441
CENTROID Y	:	.293	.385	.306
POA TO CENTROID in.	:	.891	.755	.536
MIN RADIUS	:	.259	.356	.211
MEAN RADIUS	:	.890	.724	.551
MAX RADIUS	:	1.918	1.782	.900
HORIZONTAL SPREAD	:	2.608	2.350	1.019
VERTICAL SPREAD	:	1.604	1.509	1.509
EXTREME SPREAD	:	3.062	2.552	1.698
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	