

C6348796

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead®

No. 2-152-SL

Remington ®		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6348796	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6348796



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00032500** Serial: C6348796 Model 700 Center Fire Caliber 7.62 NATO M24 SWS WDG 18 of 25 Repairman: Status: New 9/14/01 3:12:12 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEFENCE DIST DEPOT ANNISTON DEFENCE DIST DEPOT ANNISTON

Address 1: 7 FRANKFORD AVE 7 FRANKFORD AVE

Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
X001	Scope Case	1
X002	Deployment Kit	1

Repair Search Refresh Close

Start Arms Services Repair & Es... 7:50 AM

Serial Number:

C6348796

Model: 700



RE00032500

BARBER - M24 0064276

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

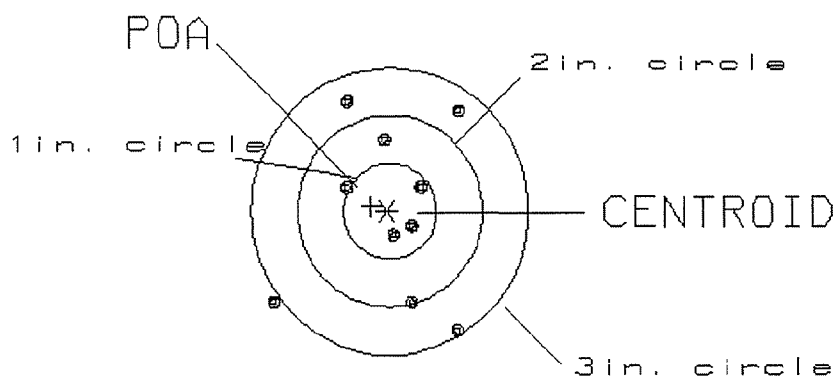
3 4
+5 2 <----POA

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:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348796

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.95

3

VS= 2.42

6

GS= 2.76

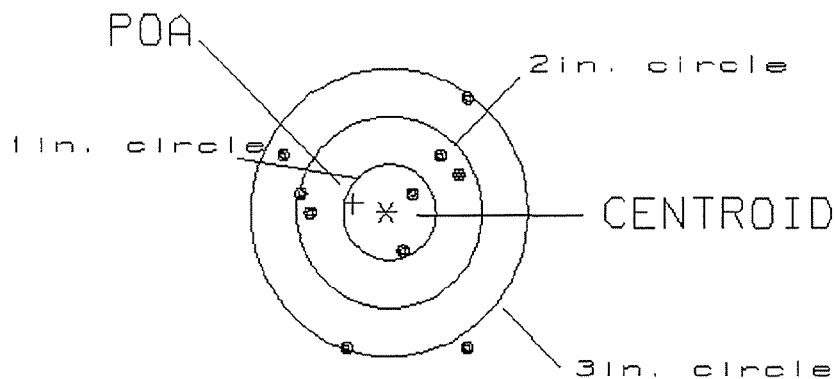
9

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

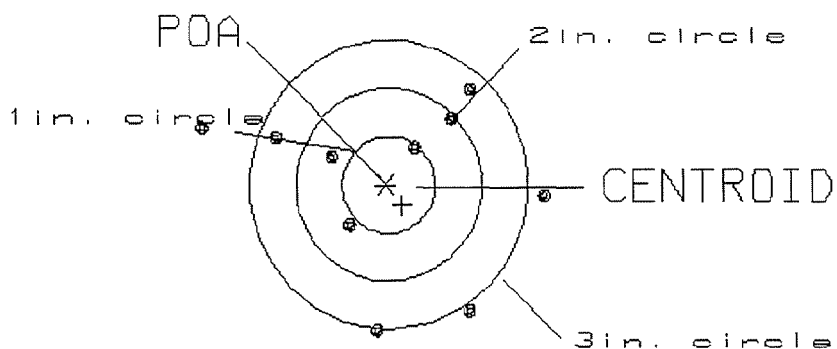
PATTERN #: 3

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

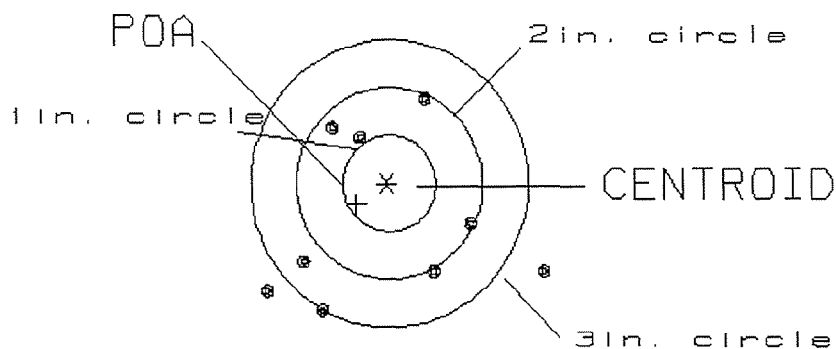
6

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

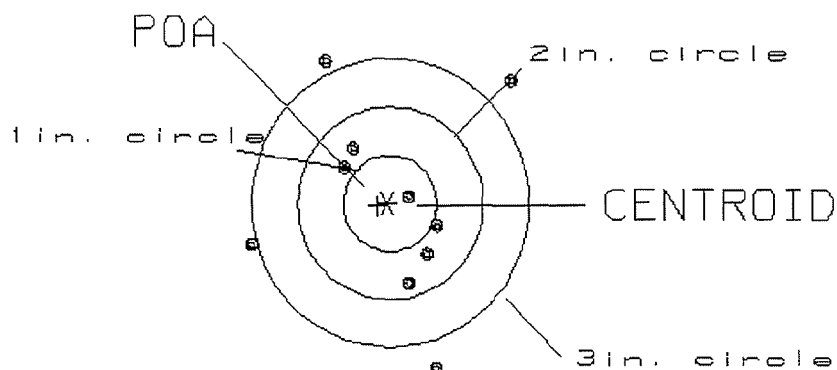
PATTERN #: 5

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
 VS= 3.14
 GS= 3.37

1
 6
 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	9-24-01	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: 1248796

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

EDITOR: [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		7 25 89	RW
607	Check Headspace		7 25 89	RW
610	Dis-assemble Gun		7 25 89	RW
612	Magnaflux Barrel Action		7/28/89	LS.
	Magnaflux Bolt		7/28/89	LS.
615	Rollmark Caliber		7/28/89	LS.
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)		7/28/89	TS
	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	LS

op. #	BARBER, M24 0064285 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5			9 aug 89	JS
	G) Safety Off Force	4	4	4			9 aug 89	JS
	H) Trigger Pull Test & Retainability						9 aug 89	JS
	I) Firing Pin Indent	.0215	.022	.022			9 aug 89	JS
	J) Assemble Stock						8/10/89	RW
	K) Assemble Swivel Studs						16 aug 89	JS
	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	JS
	P) Detach & Attach Scope 20 Times						10 aug 89	JS
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	JS
	B) Trigger Pull	2.31	2.61	2.67	2.37	2.54	16 aug 89	JS
	C) Function						16 aug 89	JS
660	Pack						20 Sept 89	JS

8796

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6225/50DATE 23 May 89TESTER JSB

	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 # C6348796
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

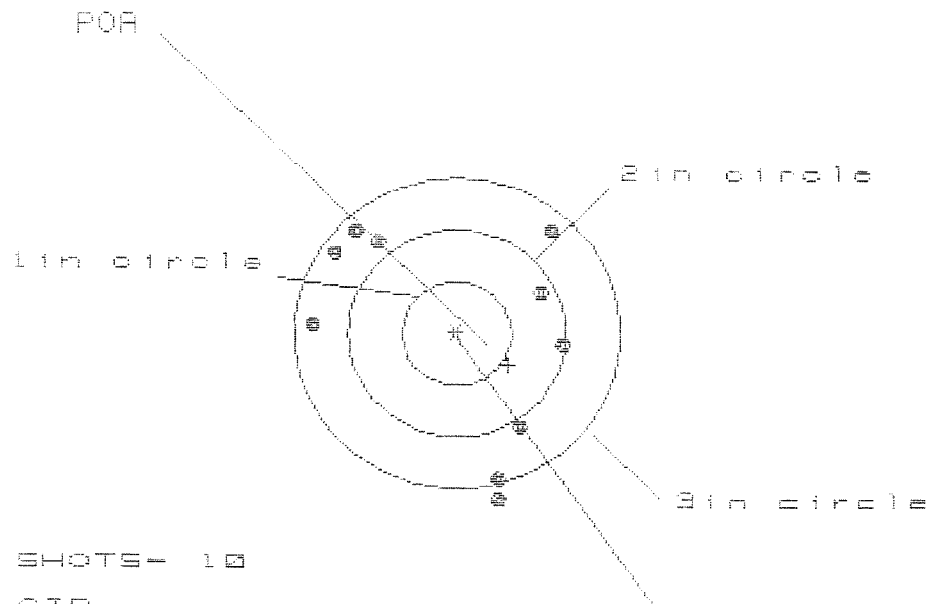
$\bar{x}_p$ $\bar{y}_p$ $\bar{r}_p$

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

13 Aug 1969

FILE:/PATTERNING/CENTERFIRE_PATT/0834B796

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

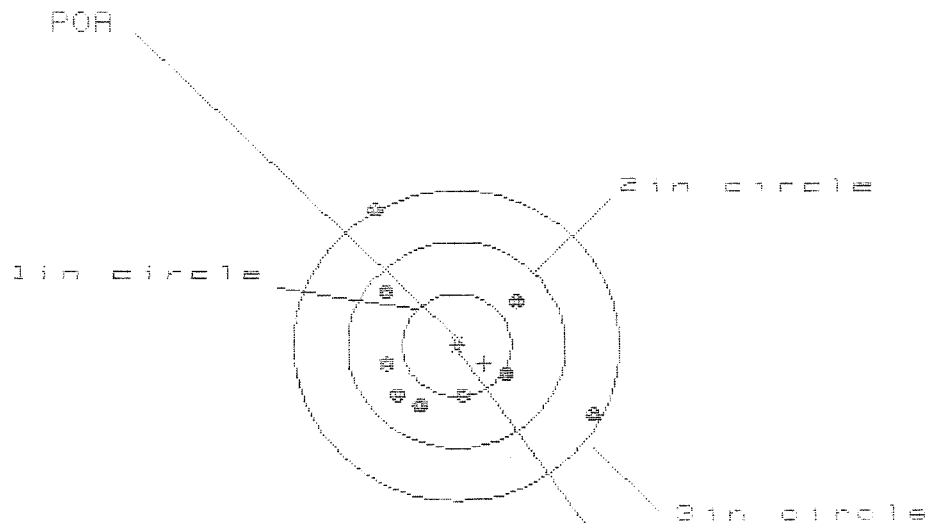
CENTROID #

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	.690
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		

5 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346796

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

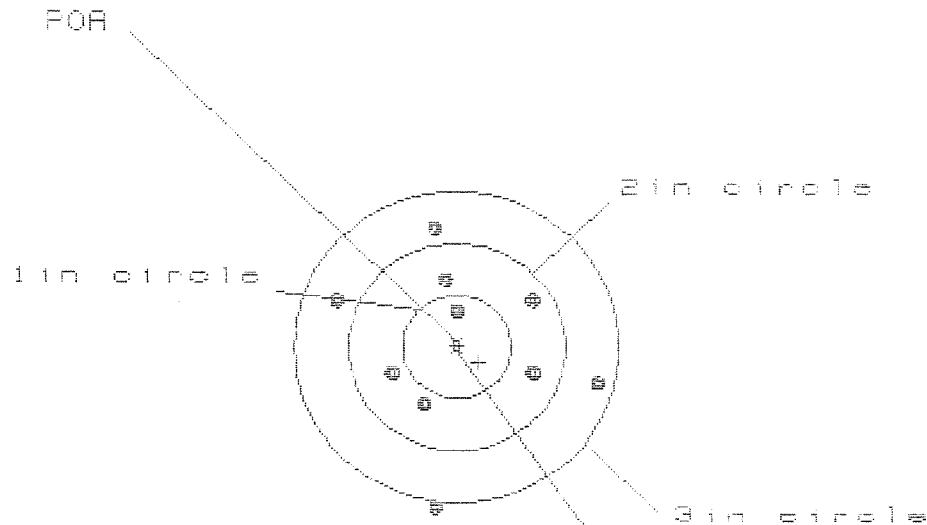
CENTROID *

PATTERN #	1	2	3
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/08348756

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 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
FOR 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	

13 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08346798

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 1.574

VS= 3.348

ES= 3.371

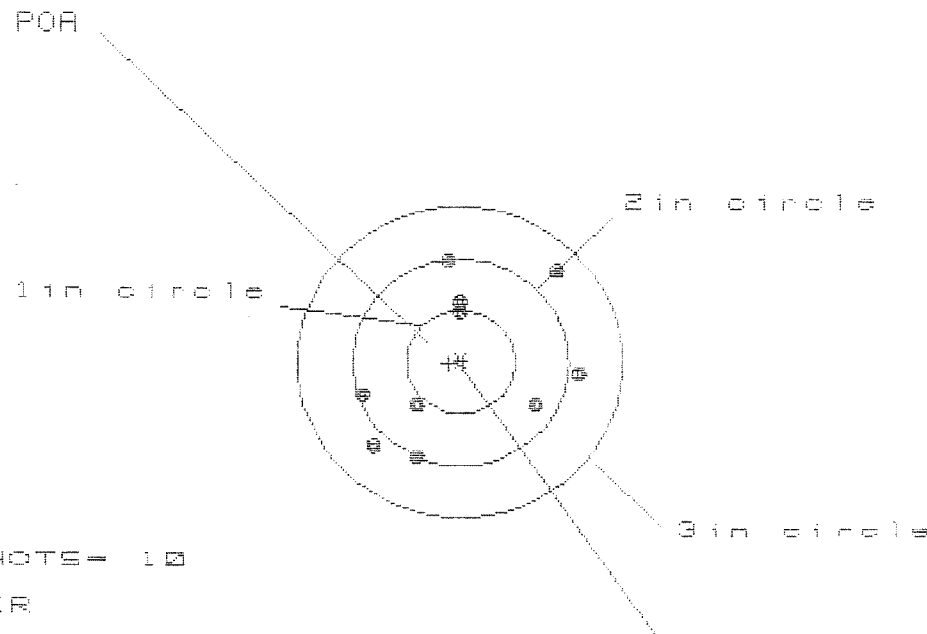
CENTROID #

PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	.884	.875	.875	.815
MINIMUM X	-.698	-.699	-.699	-.759
MAXIMUM Y	1.866	.986	.986	.827
MINIMUM Y	-1.482	-1.275	-1.275	-1.075
CENTROID X	.376	.385	.385	.445
CENTROID Y	.054	-.153	-.153	.006
POA TO CENTROID in.	.388	.414	.414	.445
MIN RADIUS	.217	.378	.378	.258
MEAN RADIUS	.909	.802	.802	.707
MAX RADIUS	1.868	1.364	1.364	1.079
HORIZONTAL SPREAD	1.574	1.574	1.574	1.574
VERTICAL SPREAD	3.348	2.261	2.261	1.982
EXTREME SPREAD	3.371	2.262	2.262	1.945
NUMBER IN ONE INCH CIRCLE	=	1	1	1
NUMBER IN TWO INCH CIRCLE	=	7	7	7
NUMBER IN THREE INCH CIRCLE	=	8	8	8

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348796

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 1.937

VS = 1.950

GS = 2.385

CENTROID *

PATTERN #	1	5	8
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	.087	.093
CENTROID Y	.011	-.092	-.009
POA TO CENTROID in.	.107	.092	.093
MIN RADIUS	.450	.432	.469
MEAN RADIUS	.883	.828	.886
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	