

C6225165

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Number: **RE00018377** Serial: C6225165 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 12/5/03 7:53:54 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: Pocr: Condition Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>1</td> </tr> <tr> <td>A008</td> <td>With Swivel</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>X</td> <td>BI-POD</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	1	A008	With Swivel	1	A016	Scope Mounts	1	A017	Scope Base	1	A026	Scope	1	X	BI-POD	1		
Code	Desc	Qty																							
A007	With Stud	1																							
A008	With Swivel	1																							
A016	Scope Mounts	1																							
A017	Scope Base	1																							
A026	Scope	1																							
X	BI-POD	1																							

Repair Search Refresh Close

12/5/03 9:34 AM NUM

Start Info Na A... M... SA Se... Ex... Pa... Ya... my...

Number: **C6225165**

Model: **700**



RE00018377

Remington Test Lab, Ilion, N.Y.

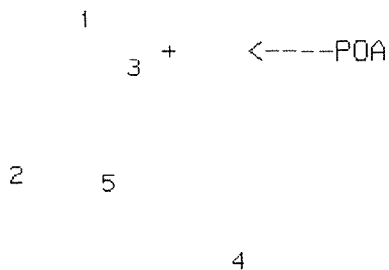
Centroidal distance calculations for Rifle # c6225165
5 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.3592$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.6166$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.713597$

THE AMR FOR THIS RIFLE IS: 1.102

CENTROIDAL DISTANCES

Ø TO	1	.615755
1 TO	2	1.14933
1 TO	3	.473764
1 TO	4	1.94694
1 TO	5	1.1355



PATTERN #: ☐ 1 ☐

POA TO CENTROID: .616

MIN RADIUS : .300

MEAN RADIUS : 1.186

MAX RADIUS : 2.352

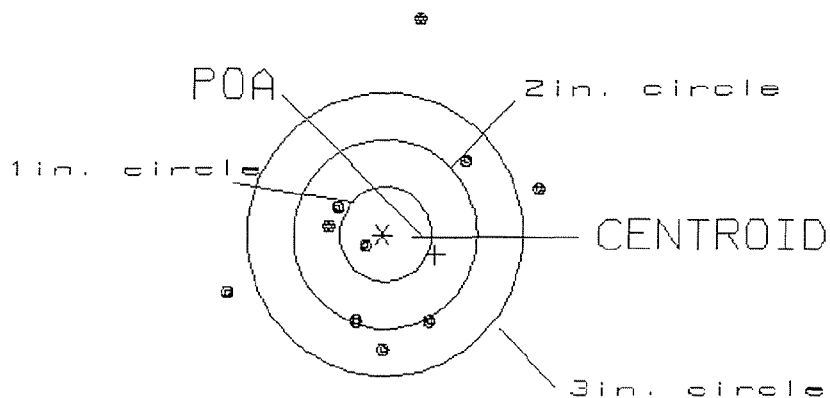
CENTROID X : -.577

CENTROID Y : .215

4 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225165

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.45

1

US= 3.58

4

GS= 3.63

7

PATTERN #: ☐ 2 ☐

POA TO CENTROID: 1.331

MIN RADIUS : .150

MEAN RADIUS : 1.032

MAX RADIUS : 1.850

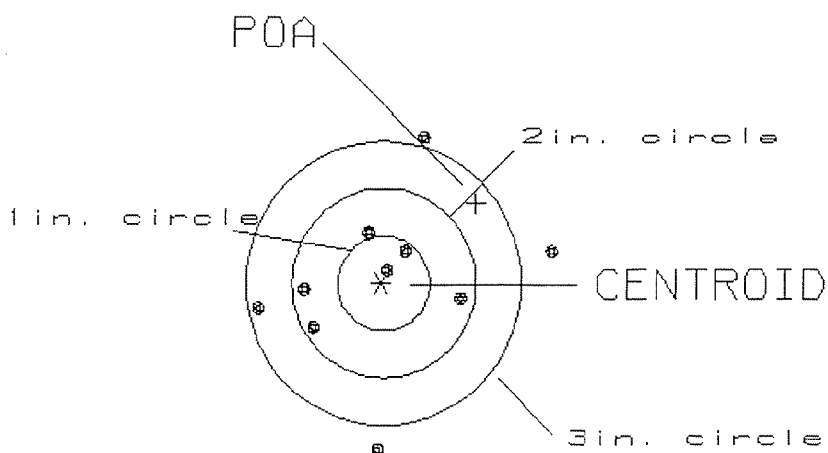
CENTROID X : -1.033

CENTROID Y : -.840

4 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225165

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.23

2

VS= 3.28

6

GS= 3.31

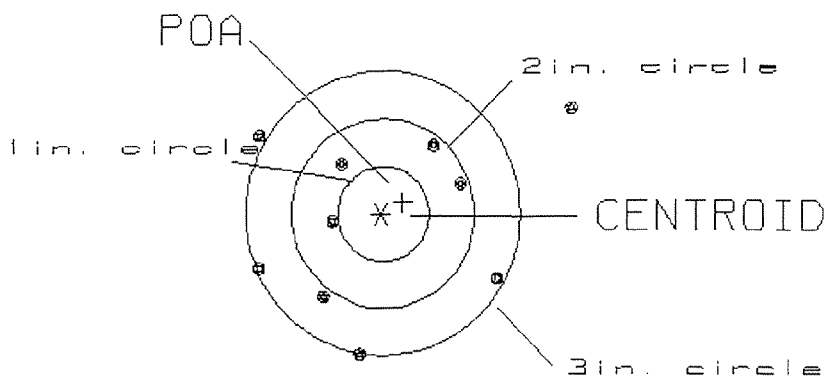
7

PATTERN #: 3
 POA TO CENTROID: .271
 MIN RADIUS : .549
 MEAN RADIUS : 1.240
 MAX RADIUS : 2.298
 CENTROID X : -.243
 CENTROID Y : -.121

4 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225165

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.39

0

US= 2.57

4

GS= 3.78

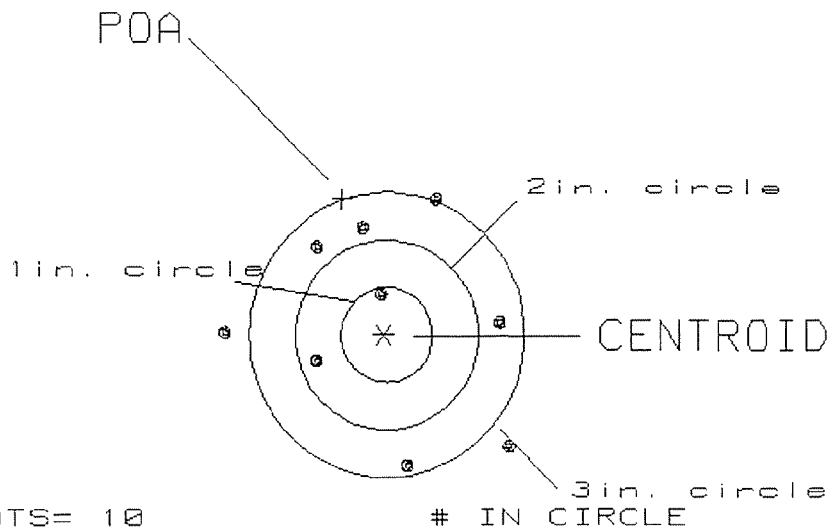
8

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: 1.503
 MIN RADIUS : .450
 MEAN RADIUS : 1.271
 MAX RADIUS : 1.804
 CENTROID X : .466
 CENTROID Y : -1.429

4 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225165

CENTERFIRE PATTERN # 4



OF SHOTS= 10

HS= 3.12
 VS= 2.77
 GS= 3.33

IN CIRCLE

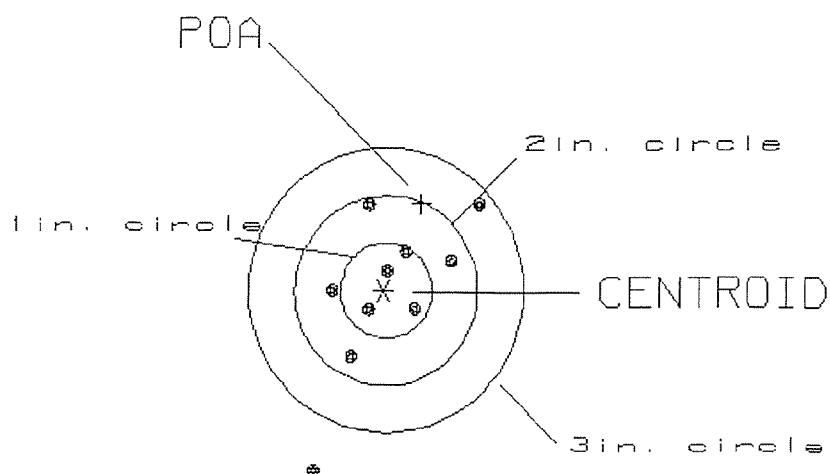
1
 2
 8

PATTERN #: 5
 POA TO CENTROID: .996
 MIN RADIUS : .250
 MEAN RADIUS : .782
 MAX RADIUS : 2.024
 CENTROID X : -.409
 CENTROID Y : -.908

4 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225165

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.75
 VS= 2.79
 GS= 3.28

4
 6
 9

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

R & E NUMBER <u>00018377</u>			
SERIAL NUMBER <u>C6225165</u>			
LOG-IN DATE <u>11-30-00</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-5-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE	12-6-00	CK
610	DIS-ASSEMBLE GUN	12-6-00	CK
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		
655	FINAL INSPECT	12-12-00	CK
660	PACK	12-20-00	CK
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

S.N: C6225165

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:




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

RES. U.S. PAT. & TM. OFF.

MODEL 700™ H24

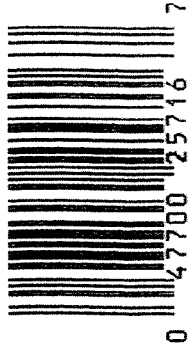
SERIAL NO. C6225165

ORDER NO. 5716

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

Ø1

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225165

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	G.S.
617	Drill and Tap Sight Holes	4 27	89	YB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5-27-89	TSK
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/89	RW
	C) Inspect Ejector Hole for Chamfer		5/10/89	RW
	D) Oil Firing Pin Ass'y		5/10/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/17/89	G.S.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/17/89	QV
	G) Safety Off Force	3	3	3			5/17/89	QV
	H) Trigger Pull Test & Retainability						5/17/89	LS
	I) Firing Pin Indent	.021.5	.021	.022			5/17/89	QV
	J) Assemble Stock						5/17/89	RW
	K) Assemble Swivel Studs						18 May 89	LS
	L) Attach Front and Rear Sight Assemblies						5/17/89	RW
	M) Iron Sight Alignment						5/17/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/17/89	RW
	O) Attach Scope to Rifle						5/17/89	QV
	P) Detach & Attach Scope 20 Times						5/17/89	QV
640	Gallery Target & Test	68 R	85 L				5/18/89	DH
	A) Time						5/18/89	DH
	B) Malfunctions						5/18/89	DH
	C) Pierced Primers						5/18/89	DH
	D) Optical Clarity of Scope						5/18/89	DH
645	Inspect for Live Ammo						5/18/89	DH
655	Final Inspection							
	A) Headspace						18 May 89	LS
	B) Trigger Pull	2.53	2.64	2.70	2.71	2.38	18 May 89	LS
	C) Function						18 May 89	LS
660	Pack						26 June 89	QV

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 5765

DATE 22 Mar 90

TESTER bs

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	226	225	233	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	224	225	232	
PULL #3	214	226	231	
PULL #4	223	228	239	
PULL #5	238	226	241	
TOTAL	1119	1130	1166	
AVG.	2238	226	2332	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	290	292	
PULL #2	291	296	
PULL #3	291	290	
PULL #4	287	294	
PULL #5	284	292	
TOTAL	1443	1464	
AVG.	2886	2928	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	421	416		
PULL #2	416	420		
PULL #3	416	416		
PULL #4	414	421		
PULL #5	417	421		
TOTAL	2084	2094		
AVG.	4168	4188		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225165
18 May 1989

CENTROIDAL DISTANCES

0 TO 1	.165653
1 TO 2	.0743034
1 TO 3	.329196
1 TO 4	.132484
1 TO 5	.154201

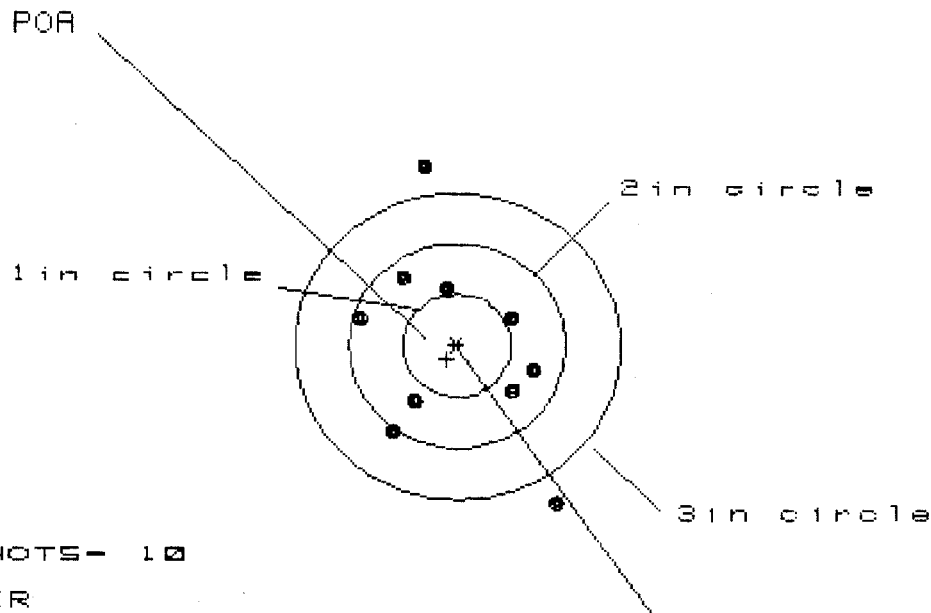
✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0074
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1842
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .184349
THE AMR FOR THIS RIFLE IS: .8906

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225165

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 8

3in = 8

HS= 1.845

VS= 3.288

GS= 3.502

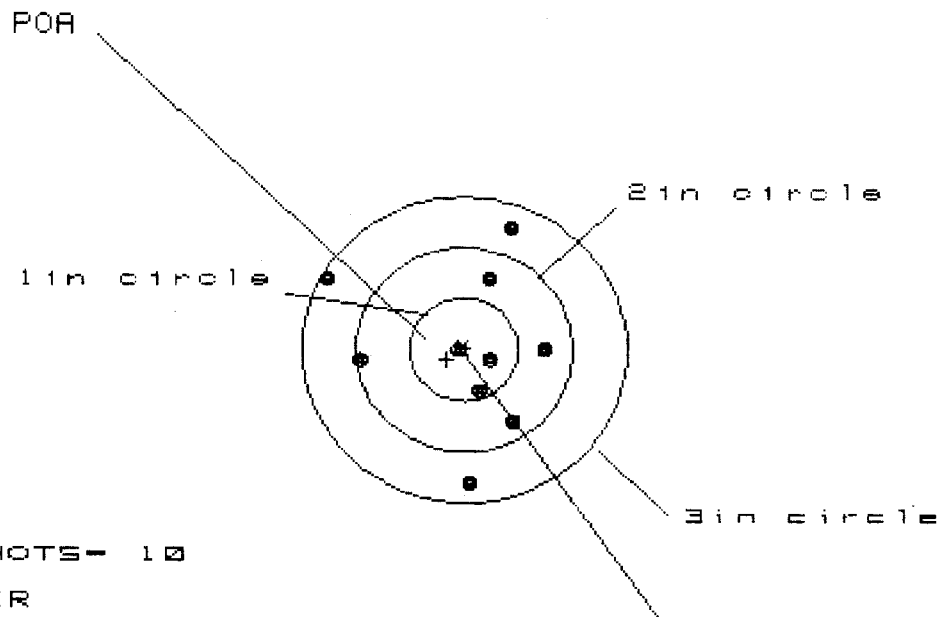
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.830	.807
MINIMUM X	:	-.922	-.819	-.842
MAXIMUM Y	:	1.747	1.576	.718
MINIMUM Y	:	-1.541	-.968	-.771
CENTROID X	:	.096	-.007	.016
CENTROID Y	:	.135	.306	.109
POA TO CENTROID in.	:	.165	.306	.110
MIN RADIUS	:	.588	.415	.575
MEAN RADIUS	:	.964	.859	.759
MAX RADIUS	:	1.796	1.586	.913
HORIZONTAL SPREAD	:	1.845	1.649	1.649
VERTICAL SPREAD	:	3.288	2.544	1.489
EXTREME SPREAD	:	3.502	2.560	1.730
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225185

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.947

VS= 2.533

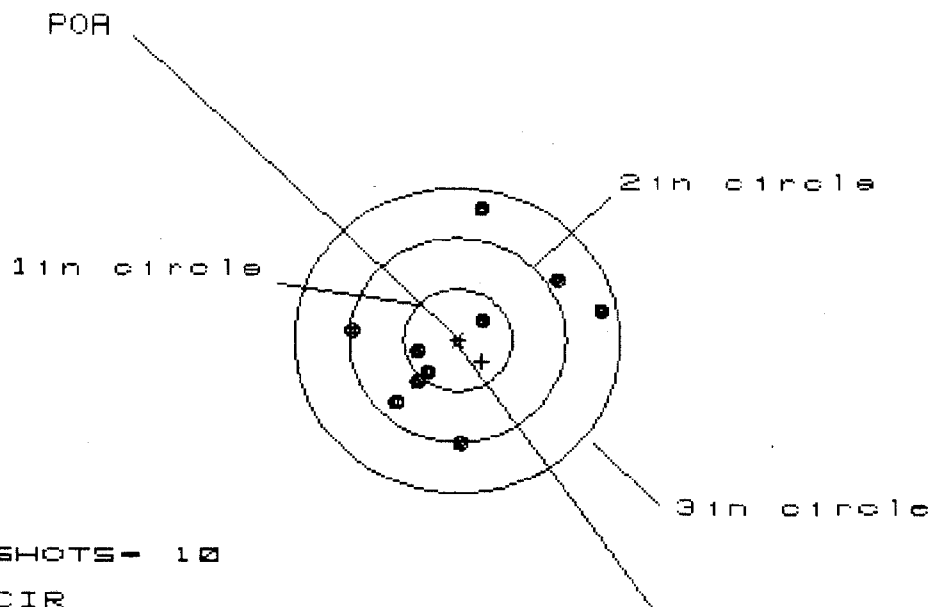
GS= 2.572

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.693	.554	.536
MINIMUM X	-1.254	-1.050	-1.067
MAXIMUM Y	1.200	1.276	1.119
MINIMUM Y	-1.333	-1.257	-.775
CENTROID X	.161	.300	.318
CENTROID Y	.099	.023	.180
POA TO CENTROID in.	.188	.301	.365
MIN RADIUS	.066	.104	.212
MEAN RADIUS	.794	.698	.640
MAX RADIUS	1.428	1.312	1.156
HORIZONTAL SPREAD	1.947	1.604	1.604
VERTICAL SPREAD	2.533	2.533	1.894
EXTREME SPREAD	2.572	2.572	1.900
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225165

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 3

2in - 5

3in - 10

HS- 2.336

VS- 2.281

GS- 2.340

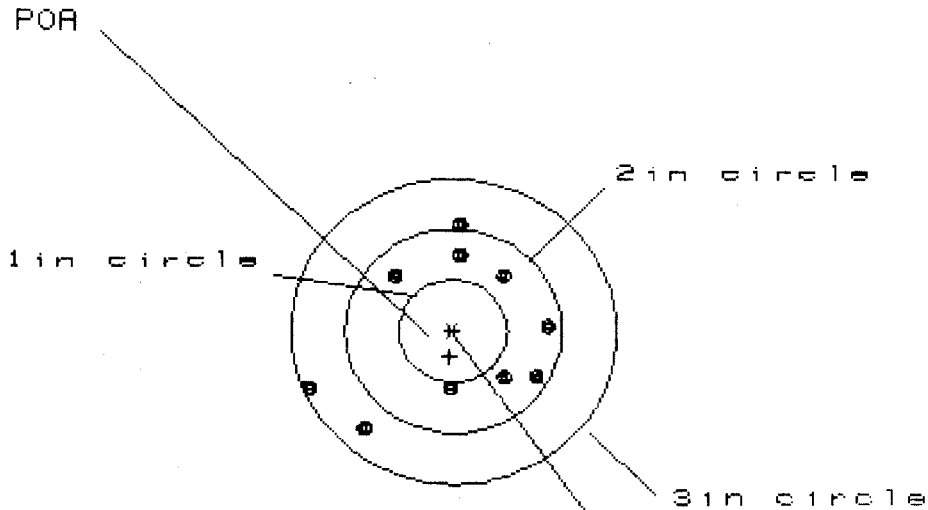
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.321	1.048	1.093
MINIMUM X	:	-1.015	-.868	-.823
MAXIMUM Y	:	1.297	1.326	.772
MINIMUM Y	:	-.984	-.955	-.790
CENTROID X	:	-.225	-.372	-.417
CENTROID Y	:	.208	.179	.014
POA TO CENTROID in.	:	.307	.413	.417
MIN RADIUS	:	.282	.267	.152
MEAN RADIUS	:	.823	.731	.597
MAX RADIUS	:	1.346	1.373	1.338
HORIZONTAL SPREAD	:	2.336	1.916	1.916
VERTICAL SPREAD	:	2.281	2.281	1.562
EXTREME SPREAD	:	2.340	2.292	1.970
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225165

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 0

2in = 7

3in = 10

HS = 2.170

VS = 1.995

GS = 2.259

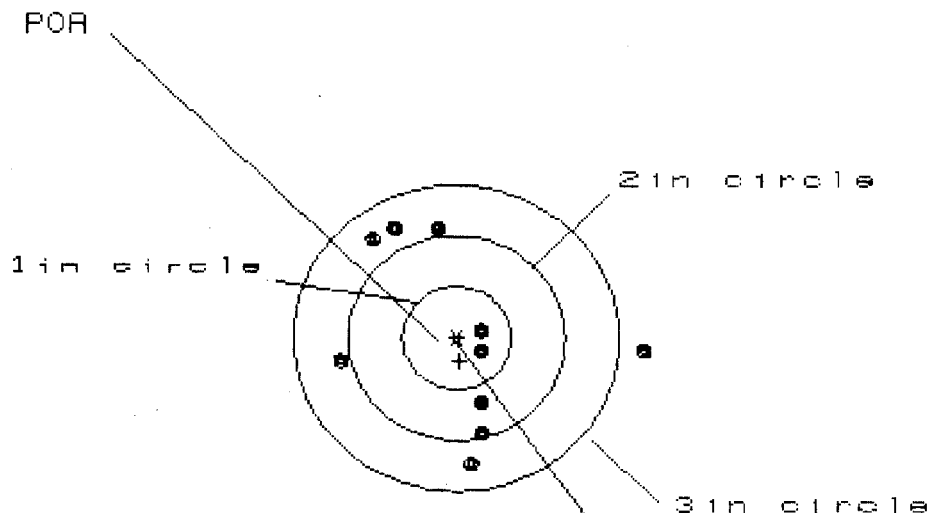
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.875	.732	.608
MINIMUM X	:	-1.295	-.987	-.822
MAXIMUM Y	:	1.032	.967	.839
MINIMUM Y	:	-.963	-1.028	-.701
CENTROID X	:	.032	.175	.299
CENTROID Y	:	.251	.316	.444
POR TO CENTROID in.	:	.253	.361	.535
MIN RADIUS	:	.513	.612	.475
MEAN RADIUS	:	.897	.814	.712
MAX RADIUS	:	1.420	1.425	.903
HORIZONTAL SPREAD	:	2.170	1.719	1.430
VERTICAL SPREAD	:	1.995	1.995	1.540
EXTREME SPREAD	:	2.259	2.188	1.678
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225165

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.785

VS = 2.378

GS = 2.797

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.755	.414	.339
MINIMUM X	-1.030	-.835	-.910
MAXIMUM Y	1.106	1.092	1.217
MINIMUM Y	-1.272	-1.286	-1.161
CENTROID X	-.027	-.222	-.147
CENTROID Y	.228	.242	.117
POA TO CENTROID in.	.230	.328	.187
MIN RADIUS	.193	.385	.339
MEAN RADIUS	.975	.904	.840
MAX RADIUS	1.759	1.320	1.315
HORIZONTAL SPREAD	2.785	1.249	1.249
VERTICAL SPREAD	2.378	2.378	2.378
EXTREME SPREAD	2.797	2.484	2.484
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		