

C6225245

MODEL 700™ M24

Model **SMS**™

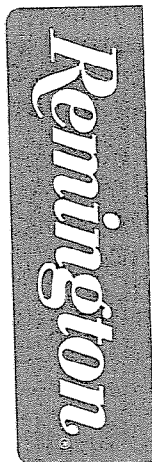
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington[®]

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

DU PONT

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

MODEL 700TM H24

SERIAL NO.
C6225245

ORDER NO.
5716

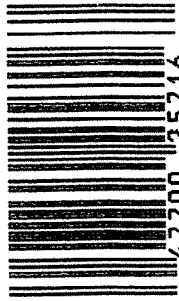
Ø1

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



5716 C6225245

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225245

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	LS
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/28/89	TSB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/22/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/22/89	RW
	C) Inspect Ejector Hole for Chamfer		5/22/89	RW
	D) Oil Firing Pin Ass'y		5/22/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/26/89	WB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	7	8	8	5/26/89	RW		
	G) Safety Off Force	3.5	3.5	3.5	5/26/89	RW		
	H) Trigger Pull Test & Retainability				5/26/89	WLB		
	I) Firing Pin Indent	.0202	.0205	.0205	5/26/89	WLB		
	J) Assemble Stock				5/30/89	RW		
	K) Assemble Swivel Studs				10 June 89	JSB		
	L) Attach Front and Rear Sight Assemblies				5/30/89	RW		
	M) Iron Sight Alignment				5/30/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				5/30/89	RW		
	O) Attach Scope to Rifle				5/30/89	JSB		
	P) Detach & Attach Scope 20 Times				5/31/89	JSB		
640	Gallery Target & Test	50 R 100L			5/31/89	DH		
	A) Time				5/31/89	DH		
	B) Malfunctions				5/31/89	DH		
	C) Pierced Primers				5/31/89	DH		
	D) Optical Clarity of Scope				5/31/89	DH		
645	Inspect for Live Ammo				5/31/89	DH		
655	Final Inspection							
	A) Headspace				10 June 89	JSB		
	B) Trigger Pull	2.72	2.75	2.86	2.85	2.71	10 June 89	JSB
	C) Function						10 June 89	JSB
660	Pack						27 June 89	JSB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 5245

DATE 3-23-90

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.24		2.30	MIN. SETTING,
PULL #2	2.33	2.30		2.37	NO AVG. OF 5
PULL #3	2.25	2.24		2.30	READINGS ACCEPT-
PULL #4	2.22	2.31		2.17	ABLE LESS THAN 2#
PULL #5	2.22	2.23		2.24	
TOTAL	11.36	11.32		11.43	
AVG.	2.272	2.264		2.286	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.46		
PULL #2	3.46	3.35		
PULL #3	3.50	3.44		
PULL #4	3.52	3.51		
PULL #5	3.55	3.55		
TOTAL	17.38	17.31		
AVG.	3.476	3.462		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.11		
PULL #2	4.18	4.24		
PULL #3	4.27	4.24		
PULL #4	4.24	4.32		
PULL #5	4.24	4.30		
TOTAL	21.45	21.23		
AVG.	4.29	4.246		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225245
1 Jun 1989

CENTROIDAL DISTANCES

0 TO 1 .561388
1 TO 2 .515001
1 TO 3 .29894
1 TO 4 .403515
1 TO 5 .614052

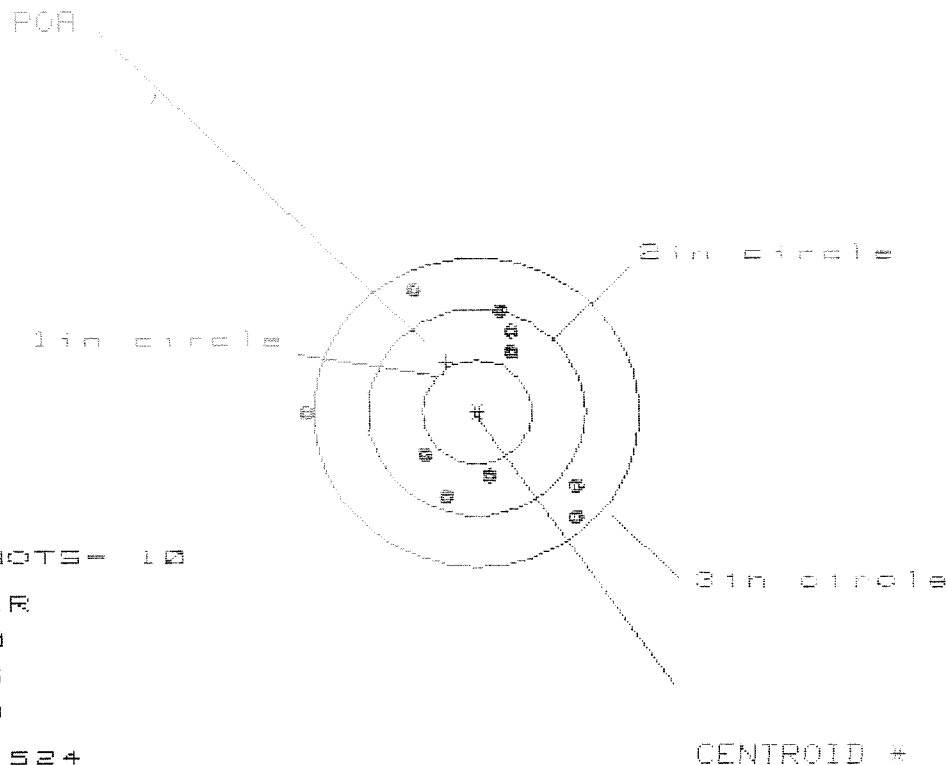
$\frac{4^5}{13^2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .411
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2538
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .483048
THE AMR FOR THIS RIFLE IS: .8132

31 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225245

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.524

VS= 2.123

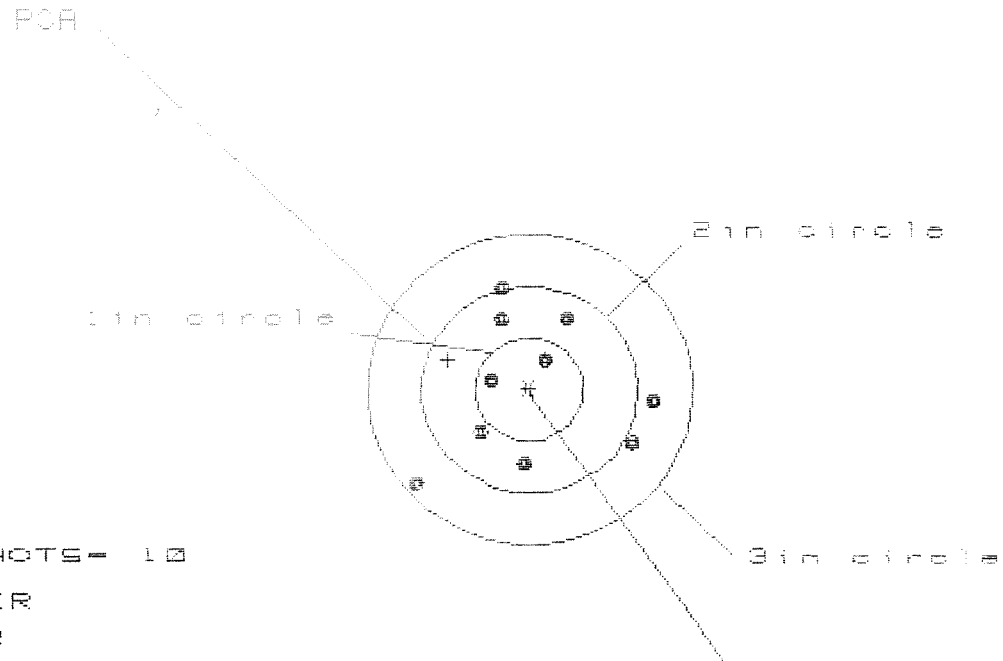
GS= 2.701

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.939	.762	.858
MINIMUM X	:	-1.585	-.728	-.632
MAXIMUM Y	:	1.153	1.152	1.030
MINIMUM Y	:	-.970	-.971	-.953
CENTROID X	:	.281	.458	.362
CENTROID Y	:	-.486	-.485	-.364
POA TO CENTROID in.	:	.561	.667	.513
MIN RADIUS	:	.596	.633	.557
MEAN RADIUS	:	1.012	.937	.888
MAX RADIUS	:	1.585	1.362	1.209
HORIZONTAL SPREAD	:	2.524	1.490	1.490
VERTICAL SPREAD	:	2.123	2.123	1.983
EXTREME SPREAD	:	2.701	2.594	2.380
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

31 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225245

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.186

VS= 1.886

GS= 2.316

CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.109	.989	.938
MINIMUM X	:	-1.077	-.606	-.482
MAXIMUM Y	:	1.015	.918	.893
MINIMUM Y	:	-.871	-.820	-.845
CENTROID X	:	.756	.876	.752
CENTROID Y	:	-.287	-.190	-.165
POA TO CENTROID in.	:	.809	.896	.770
MIN RADIUS	:	.303	.187	.196
MEAN RADIUS	:	.812	.736	.679
MAX RADIUS	:	1.385	1.046	1.160
HORIZONTAL SPREAD	:	2.186	1.595	1.420
VERTICAL SPREAD	:	1.886	1.738	1.738
EXTREME SPREAD	:	2.316	1.970	1.970
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

31 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08223245

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.486

VS= 1.831

GS= 2.506

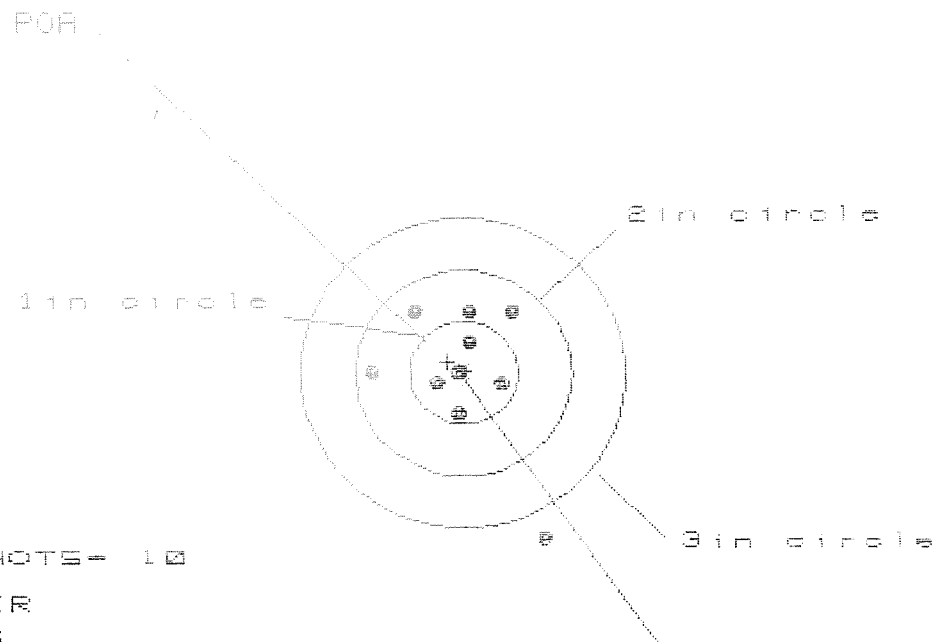
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.164	1.017	1.073
MINIMUM X	:	-1.322	-1.079	-1.023
MAXIMUM Y	:	1.179	1.164	1.006
MINIMUM Y	:	-.652	-.667	-.522
CENTROID X	:	.578	.725	.669
CENTROID Y	:	-.520	-.505	-.650
POA TO CENTROID in.	:	.777	.883	.933
MIN RADIUS	:	.457	.315	.441
MEAN RADIUS	:	.924	.869	.812
MAX RADIUS	:	1.329	1.247	1.120
HORIZONTAL SPREAD	:	2.486	2.096	2.096
VERTICAL SPREAD	:	1.831	1.831	1.528
EXTREME SPREAD	:	2.506	2.236	2.096
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

31 May 1983

FILE:/PATTERNING/CENTERFIRE_PATT/06225245

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 5

2in = 9

3in = 9

HS= 1.635

VS= 2.284

GS= 2.568

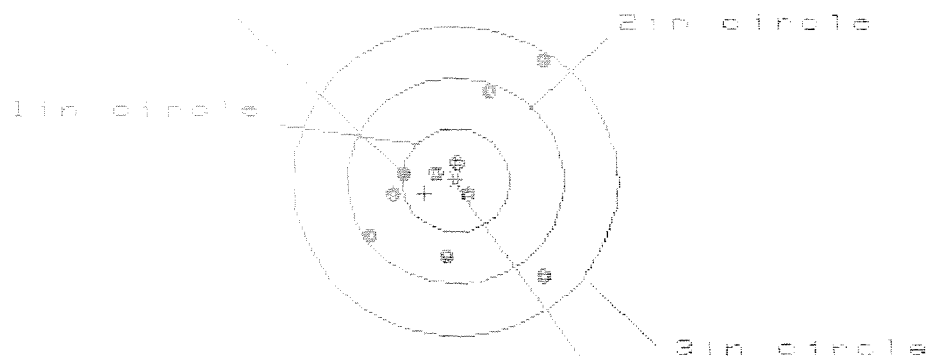
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.747	.555	.455
MINIMUM X	:	-.888	-.805	-.476
MAXIMUM Y	:	.645	.463	.443
MINIMUM Y	:	-1.639	-.559	-.579
CENTROID X	:	.151	.068	.168
CENTROID Y	:	-.104	.078	.098
POA TO CENTROID in.	:	.183	.104	.195
MIN RADIUS	:	.054	.147	.120
MEAN RADIUS	:	.625	.479	.423
MAX RADIUS	:	1.801	.819	.639
HORIZONTAL SPREAD	:	1.635	1.360	.931
VERTICAL SPREAD	:	2.284	1.022	1.022
EXTREME SPREAD	:	2.568	1.493	1.158
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

31 May 1989

FILE: \PATTERNING\CENTERFIRE_PATT\06225245

CENTERFIRE PATTERNS # 5

FOR



* OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.617

VS= 2.073

GS= 2.317

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.836
MINIMUM X	-.782
MAXIMUM Y	1.155
MINIMUM Y	-.918
CENTROID X	.289
CENTROID Y	.128
POA TO CENTROID in.	.315
MIN RADIUS	.173
MEAN RADIUS	.693
MAX RADIUS	1.426
HORIZONTAL SPREAD	1.617
VERTICAL SPREAD	2.073
EXTREME SPREAD	2.317
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # 06225245
1 Mar 2001

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

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.177

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .184822

THE AMR FOR THIS RIFLE IS: .9022

CENTROIDAL DISTANCES

0 TO 1	.158398
1 TO 2	.106212
1 TO 3	.0920706
1 TO 4	.0724224
1 TO 5	.23444

+
24
5

<----POA

REMINGTON CENTERFIRE ACCURACY TEST

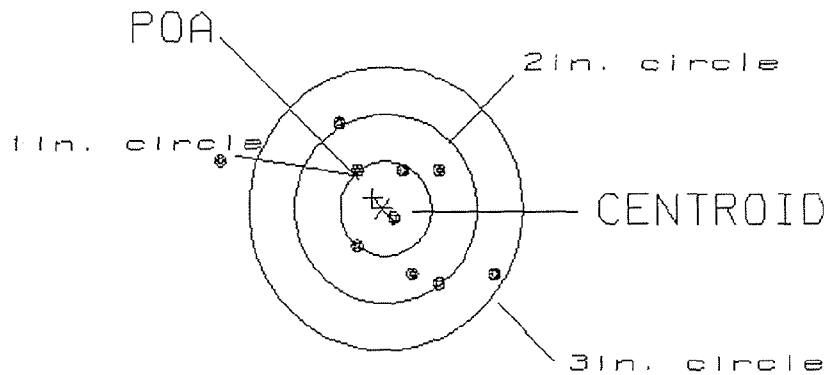
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .158
 MIN RADIUS : .100
 MEAN RADIUS : .825
 MAX RADIUS : 1.895
 CENTROID X : .113
 CENTROID Y : -.111

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225245

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.04

3

VS= 1.61

6

GS= 3.28

9

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .127

MIN RADIUS : .419

MEAN RADIUS : .843

MAX RADIUS : 1.431

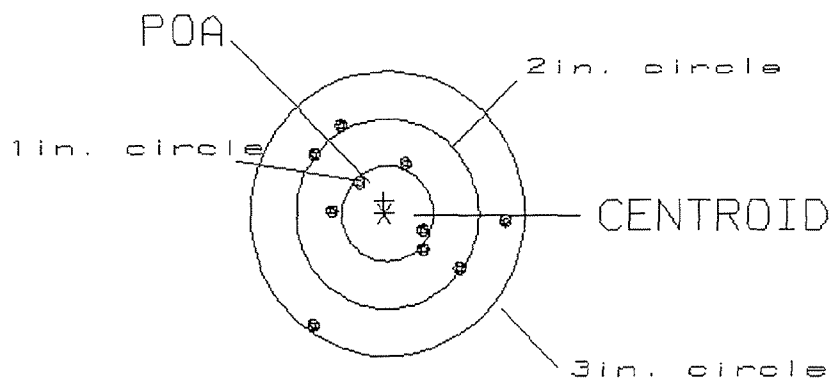
CENTROID X : .008

CENTROID Y : -.127

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225245

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.19

2

VS= 2.09

6

GS= 2.43

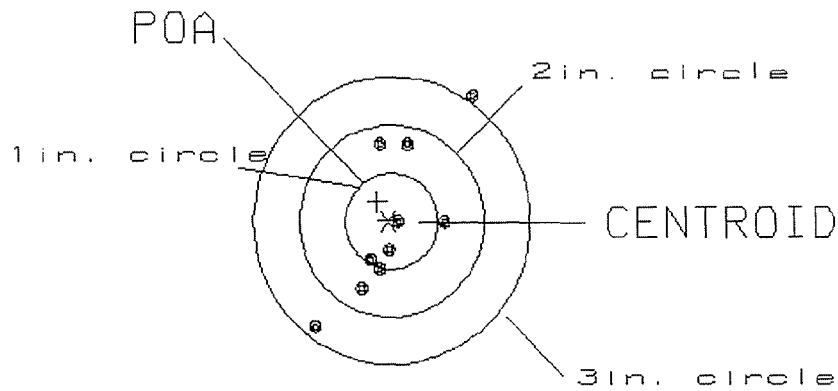
10

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .238
 MIN RADIUS : .091
 MEAN RADIUS : .714
 MAX RADIUS : 1.548
 CENTROID X : .127
 CENTROID Y : -.202

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225245

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 1.65

4

VS= 2.43

6

GS= 2.94

9

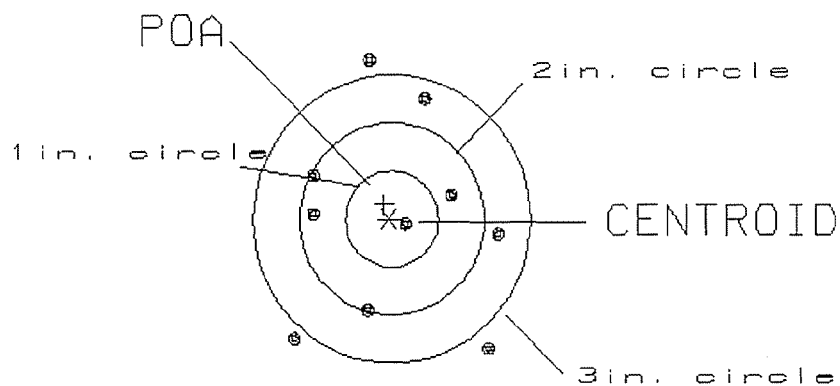
PATTERN #: 4

POA TO CENTROID: .162
 MIN RADIUS : .188
 MEAN RADIUS : 1.117
 MAX RADIUS : 1.677
 CENTROID X : .054
 CENTROID Y : -.153

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225245

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.27
 VS= 2.94
 GS= 3.21

1
 4
 7

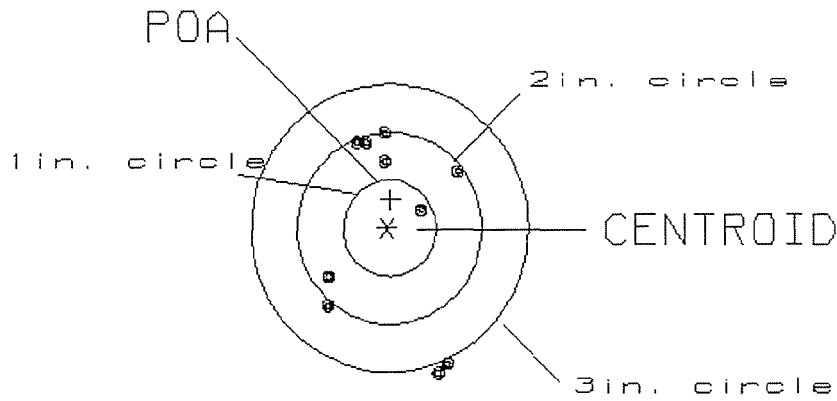
PATTERN #: 5

POA TO CENTROID: .294
 MIN RADIUS : .365
 MEAN RADIUS : 1.012
 MAX RADIUS : 1.626
 CENTROID X : -.036
 CENTROID Y : -.292

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225245

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.47

1

VS= 2.50

6

GS= 2.64

8

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

R & E NUMBER <u>21302</u>			
SERIAL NUMBER <u>C-6225245</u>			
LOG-IN DATE <u>1-22-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-27-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-30-01	CK
605	CHECK HEADSPACE	1-30-01	CK
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	2-7-01	CK
655	FINAL INSPECT	2-12-01	CK
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

Sn: C-622524T

DATE REC'D: 1-22-01

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: