

C6225195

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Smead[®]

MOD. _____		GA. CAL. _____	GUN # <u>6225195</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	<i>cuts brass (Ejector sticks back)</i>	<i>100</i>
	2nd	<i>Ream Ejector Hole 5/24/89 Polish Ejector</i>	<i>Ru</i>
	3rd	<i>5/24/89 100 Rds OK</i>	<i>DH</i>
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

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

SERIAL NO.
C6225195

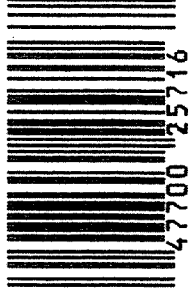
ORDER NO.
5716

Ø1



5716 C6225195

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225195

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	KCK
	Magnaflux Bolt		4/27	KCK
615	Rollmark Caliber		4/27	SL
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/15/89	JK
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/16/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/16/89	RW
	C) Inspect Ejector Hole for Chamfer		5/16/89	RW
	D) Oil Firing Pin Ass'y		5/16/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/18/89	JK

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	6	6	6	5/19/89	JU
	G) Safety Off Force	2	2	2	5/19/89	JU
	H) Trigger Pull Test & Retainability				5/18/89	JU
	I) Firing Pin Indent	.022	.021	.021	5/19/89	JU
	J) Assemble Stock				5/22/89	RW
	K) Assemble Swivel Studs				25 May 89	JS
	L) Attach Front and Rear Sight Assemblies				5/22/89	RW
	M) Iron Sight Alignment				5/22/89	RW
	N) Detach Front & Rear Sights & place in numbered container				5/22/89	RW
	O) Attach Scope to Rifle				5/22/89	WLB
	P) Detach & Attach Scope 20 Times				5/22/89	WLB
640	Gallery Target & Test	53 R	99L		5-23-89	AC
	A) Time				"	AC
	B) Malfunctions				"	AC
	C) Pierced Primers				"	AC
	D) Optical Clarity of Scope				"	AC
645	Inspect for Live Ammo				5-23-89	AC
655	Final Inspection					
	A) Headspace				25 May 89	JS
	B) Trigger Pull	2.73	2.72	2.78	25 May 89	JS
	C) Function				25 May 89	JS
660	Pack				26 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5195

DATE 12 Mar 98

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	261	253		216	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	268	254		238	
PULL #3	276	259		207	
PULL #4	273	261		218	
PULL #5	270	258		218	
TOTAL	1348	1285			
AVG.	269.6	257			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.18		
PULL #2	3.25	3.10		
PULL #3	3.23	3.04		
PULL #4	3.22	3.11		
PULL #5	3.13	3.12		
TOTAL	16.13	15.61		
AVG.	3.226	3.122		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.22		
PULL #2	4.09	4.36		
PULL #3	3.99	4.11		
PULL #4	4.05	3.97		
PULL #5	4.31	4.13		
TOTAL	20.50	20.79		
AVG.	4.10	4.158		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225195
30 May 1989

CENTROIDAL DISTANCES

Ø TO	1	.533735
1 TO	2	.510185
1 TO	3	.456946
1 TO	4	.748131
1 TO	5	.68502

$\begin{matrix} 5 \\ 4 \\ 2 \end{matrix}$
 $\begin{matrix} 1 \\ 2 \end{matrix}$
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1612
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1058
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .192819
 THE AMR FOR THIS RIFLE IS: .7506

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225195

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 1.984

VS = 2.052

GS = 2.184

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.876	.753	.790
MINIMUM X	-1.108	-.736	-.642
MAXIMUM Y	1.020	.990	1.068
MINIMUM Y	-1.032	-1.062	-.984
CENTROID X	.533	.656	.562
CENTROID Y	.028	.058	-.020
POA TO CENTROID in.	.534	.659	.562
MIN RADIUS	.291	.172	.265
MEAN RADIUS	.841	.793	.767
MAX RADIUS	1.139	1.065	1.123
HORIZONTAL SPREAD	1.984	1.489	1.432
VERTICAL SPREAD	2.052	2.052	2.052
EXTREME SPREAD	2.184	2.079	2.079
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225195

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 1.739

VS= 1.726

GS= 1.791

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.893	.848	.885
MINIMUM X	:	-.846	-.891	-.784
MAXIMUM Y	:	1.098	.451	.415
MINIMUM Y	:	-.628	-.506	-.450
CENTROID X	:	.398	.443	.336
CENTROID Y	:	-.464	-.586	-.642
POA TO CENTROID in.	:	.611	.734	.725
MIN RADIUS	:	.117	.031	.086
MEAN RADIUS	:	.640	.546	.491
MAX RADIUS	:	1.167	.961	.905
HORIZONTAL SPREAD	:	1.739	1.739	1.670
VERTICAL SPREAD	:	1.726	.957	.865
EXTREME SPREAD	:	1.791	1.791	1.670
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225195

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.918

VS= 1.918

GS= 2.021

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.928	.939	1.034
MINIMUM X	:	-.990	-.979	-.884
MAXIMUM Y	:	.803	.680	.652
MINIMUM Y	:	-1.107	-.508	-.423
CENTROID X	:	.089	.078	-.017
CENTROID Y	:	-.080	.043	-.042
POA TO CENTROID in.	:	.119	.090	.045
MIN RADIUS	:	.192	.315	.262
MEAN RADIUS	:	.754	.719	.654
MAX RADIUS	:	1.111	1.022	1.091
HORIZONTAL SPREAD	:	1.918	1.918	1.918
VERTICAL SPREAD	:	1.910	1.188	1.076
EXTREME SPREAD	:	2.021	1.986	1.986
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225195

CENTERFIRE PATTERNS # 4

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.171

VS= 1.560

GS= 2.372

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.857

.711

.621

MINIMUM X

:

-1.314

-.598

-.510

MAXIMUM Y

:

.774

.754

.848

MINIMUM Y

:

-.786

-.806

-.712

CENTROID X

:

-.125

.021

-.067

CENTROID Y

:

-.328

-.308

-.402

POR TO CENTROID in.

:

.351

.309

.408

MIN RADIUS

:

.343

.402

.281

MEAN RADIUS

:

.765

.701

.638

MAX RADIUS

:

1.327

1.035

.941

HORIZONTAL SPREAD

:

2.171

1.309

1.131

VERTICAL SPREAD

:

1.560

1.560

1.560

EXTREME SPREAD

:

2.372

1.787

1.787

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

8

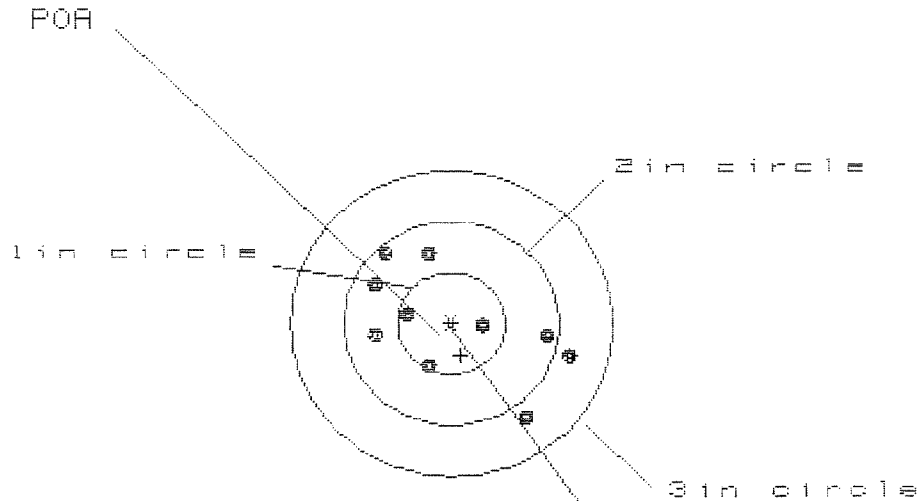
NUMBER IN THREE INCH CIRCLE =

10

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225195

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.827

VS = 1.601

GS = 2.078

CENTROID x

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.080	1.158	1.067
MINIMUM X	-.747	-.669	-.524
MAXIMUM Y	.709	.610	.562
MINIMUM Y	-.892	-.504	-.552
CENTROID X	-.089	-.167	-.311
CENTROID Y	.315	.414	.462
POA TO CENTROID in.	.328	.447	.558
MIN RADIUS	.337	.354	.208
MEAN RADIUS	.753	.694	.593
MAX RADIUS	1.133	1.220	1.188
HORIZONTAL SPREAD	1.827	1.827	1.591
VERTICAL SPREAD	1.601	1.114	1.114
EXTREME SPREAD	2.078	1.974	1.704
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

Number: **C6225195**
Model: **700**



RE00018382

Final Inspection

Sni. C6225195

DATE REC'D: 11-30-00

DATE RET'D:

Auditor: C/K

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:

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

R & E NUMBER <u>18382</u>			
SERIAL NUMBER <u>C6725195</u>			
LOG-IN DATE <u>11-30-00</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-4-00	CIC
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-10-00	CK
605	CHECK HEADSPACE	12-10-00	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		
655	FINAL INSPECT	12-20-00	CK
660	PACK	12-28-00	CIC
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0010336

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225195

11 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.414

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1314

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .434352

THE AMR FOR THIS RIFLE IS: 1.204

CENTROIDAL DISTANCES

0 TO	1	.68367
1 TO	2	.121066
1 TO	3	.550382
1 TO	4	.365892
1 TO	5	.631007

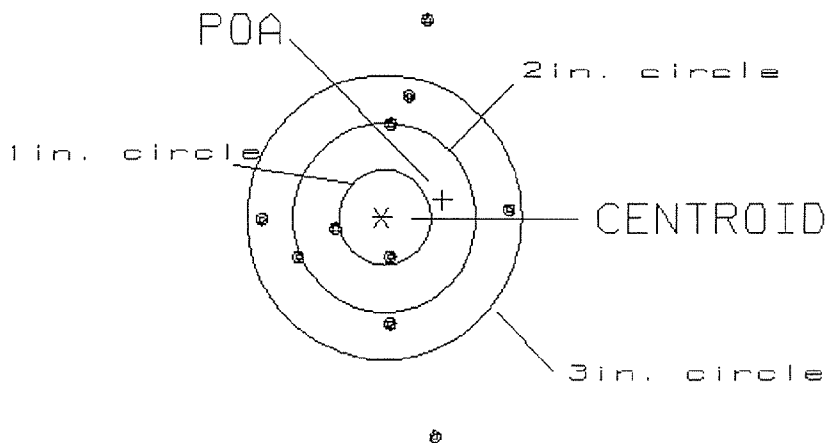
	5	
	3+	<----POA
12		
4		

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .684
 MIN RADIUS : .378
 MEAN RADIUS : 1.271
 MAX RADIUS : 2.438
 CENTROID X : -.659
 CENTROID Y : -.182

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225195

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.75
 VS= 4.48
 GS= 4.48

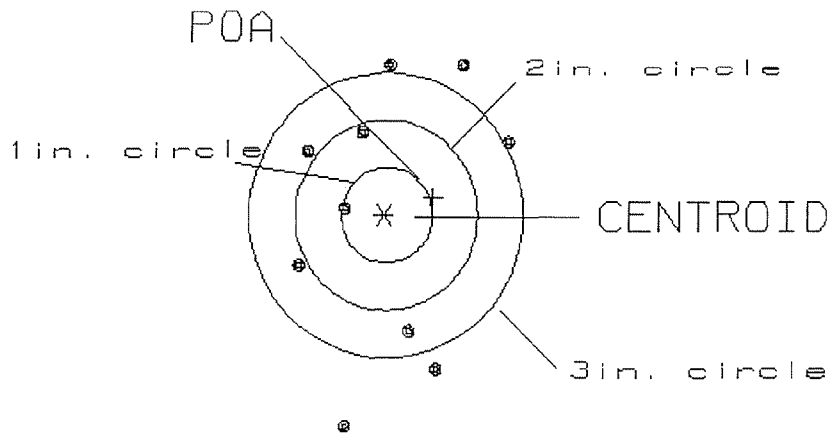
1
 3
 8

PATTERN #: 2
 POA TO CENTROID: .567
 MIN RADIUS : .455
 MEAN RADIUS : 1.372
 MAX RADIUS : 2.246
 CENTROID X : -.538
 CENTROID Y : -.178

11 Jan 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6225195

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.29
 VS= 3.78
 GS= 4.01

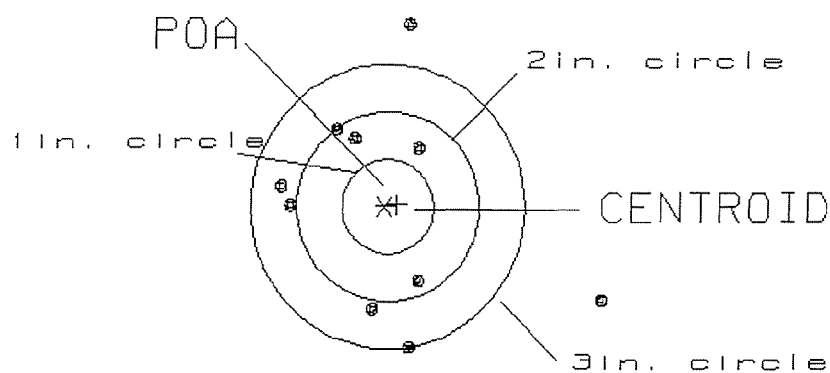
1
 2
 5

PATTERN #: 3
 POA TO CENTROID: .134
 MIN RADIUS : .704
 MEAN RADIUS : 1.274
 MAX RADIUS : 2.504
 CENTROID X : -.133
 CENTROID Y : -.020

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225195

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.49

0

VS= 3.44

3

GS= 3.72

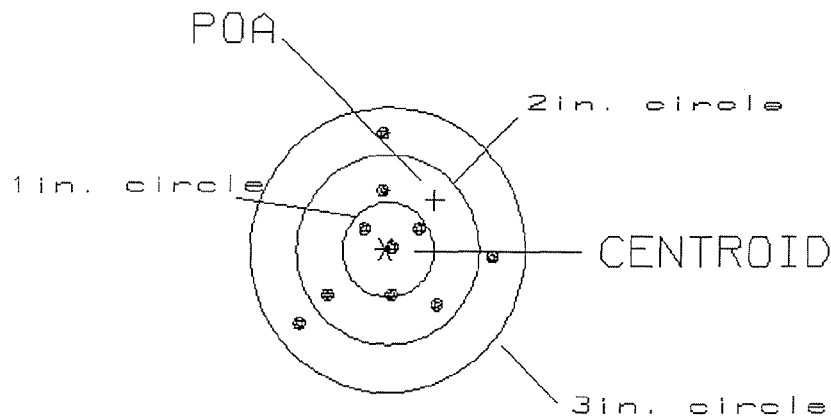
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PATTERN #: 4
 POA TO CENTROID: .756
 MIN RADIUS : .040
 MEAN RADIUS : .704
 MAX RADIUS : 1.238
 CENTROID X : -.540
 CENTROID Y : -.528

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225195

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.05

4

VS= 1.97

7

GS= 2.15

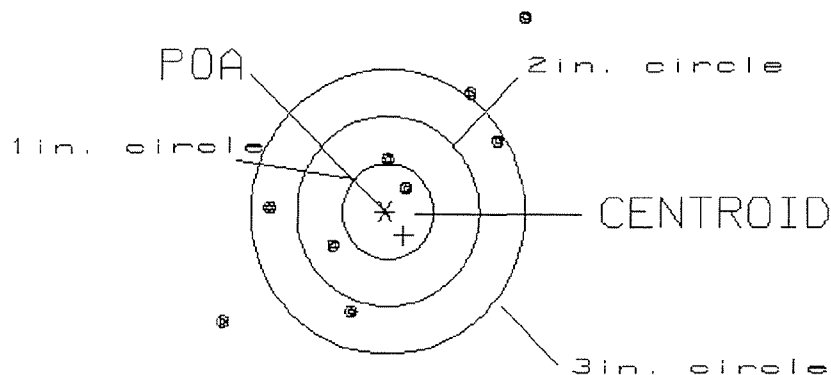
10

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .321
 MIN RADIUS : .281
 MEAN RADIUS : 1.400
 MAX RADIUS : 2.542
 CENTROID X : -.200
 CENTROID Y : .251

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225195

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.25

1

VS= 4.50

3

GS= 4.65

6