

FORM

UPC



0 47700 25716 2

C6665852

*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO. 5716

BARREL LENGTH

CAPACITY*

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6665852

ORDER NO.

5716

20

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



5716 C6665852

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665852

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	9/26/91	KH
600	Proof		9/26/91	KH
607	Check Headspace		9/26/91	KH
610	Dis-assemble Gun		9/26/91	KH
612	Magnaflux Barrel Action	OCT	4 1991	Kcd
	Magnaflux Bolt	OCT	4 1991	Kcd
615	Rollmark Caliber	OCT	4 1991	CS
617	Drill and Tap Sight Holes	OCT	4 1991	LB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/91	KH
	C) Inspect Ejector Hole for Chamfer		11/8/91	KH
	D) Oil Firing Pin Ass'y		11/8/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		11-11-91	JH

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	6	11-11-91	JK		
	G) Safety Off Force	3	3	3	11-11-91	JK		
	H) Trigger Pull Test & Retainability				11-11-91	JK		
	I) Firing Pin Indent	1021	1021	1021	11-11-91	JK		
	J) Assemble Stock				11/11/91	JK		
	K) Assemble Swivel Studs				11-21-91	JK		
	L) Attach Front and Rear Sight Assemblies				11/11/91	JK		
	M) Iron Sight Alignment				11/11/91	JK		
	N) Detach Front & Rear Sights & place in numbered container				11/11/91	JK		
	O) Attach Scope to Rifle				11/11/91	JK		
	P) Detach & Attach Scope 20 Times				11/11/91	JK		
640	Gallery Target & Test				11/19/91	KT		
	A) Time					107		
	B) Malfunctions					107		
	C) Pierced Primers					107		
	D) Optical Clarity of Scope					107		
645	Inspect for Live Ammo				11/19/91	107		
655	Final Inspection					928		
	A) Headspace				11-21-91	11-21-91		
	B) Trigger Pull	255	258	258	261	258	11-20-91	D/H
	C) Function						11-21-91	JK
660	Pack						12-18-91	NF

SWS- TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C-6665852

DATE 11-11-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.33	2.35	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.33	2.30	2.58	
PULL #3	2.34	2.27	2.33	2.58	
PULL #4	2.44	2.32	2.32	2.61	
PULL #5	2.46	2.28	2.38	2.58	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.20		
PULL #2	3.25	3.21		
PULL #3	3.21	3.25		
PULL #4	3.30	3.23		
PULL #5	3.22	3.64		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.15		4.53
PULL #2	4.20	4.43		4.48
PULL #3	4.25	4.35		4.31
PULL #4	4.31	4.36		4.46
PULL #5	4.31	4.39		4.35
TOTAL				
AVG.				

1. SOL CALCULATIONS
2. 10665852

1. DISTANCES

1	.125575
2	.356204
3	.0748866
4	.201556
5	.103479

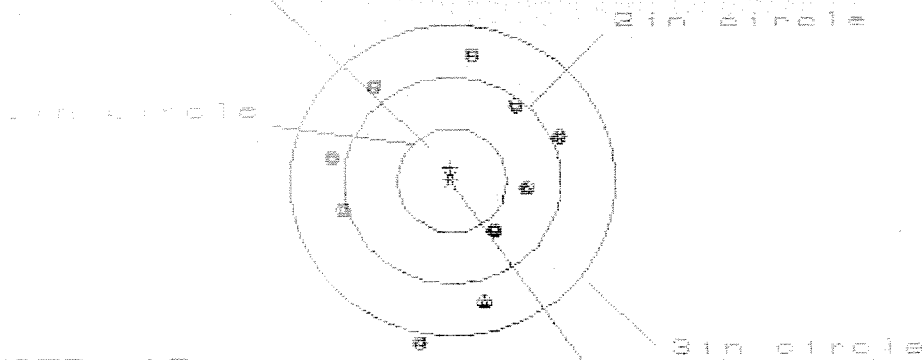
6. (----) PDR

7. RIFLE IS: -.0196
8. RIFLE IS: -.1222
9. THIS RIFLE IS: .123762

78 NOV 1951

FILE: PATTERNING/CENTERFIRE_PATT/C8865852

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 3

3 in = 4

CENTROID #

HS= 2.132

VS= 2.810

ES= 2.855

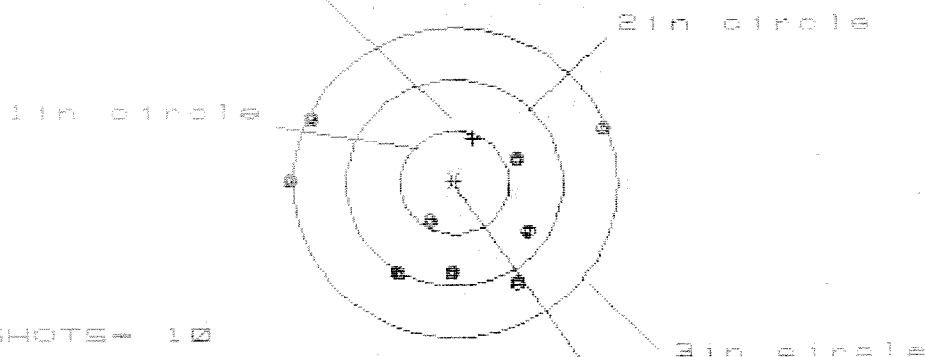
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.024	.985	.998
MINIMUM X	-1.106	-1.147	-1.134
MAXIMUM Y	1.247	1.073	.928
MINIMUM Y	-1.563	-1.361	-1.227
CENTROID X	.812	.851	.838
CENTROID Y	-.125	.049	-.085
POB TO CENTROID IN.	.125	.071	.093
MIN RADIUS	.667	.719	.683
MEAN RADIUS	1.096	1.023	1.011
MA. RADIUS	1.683	1.385	1.257
HORIZONTAL SPREAD	2.132	2.132	2.132
VERTICAL SPREAD	2.810	2.434	2.155
EXTREME SPREAD	2.855	2.438	2.399
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	

20 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665852

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.240

VS= 3.147

GS= 3.153

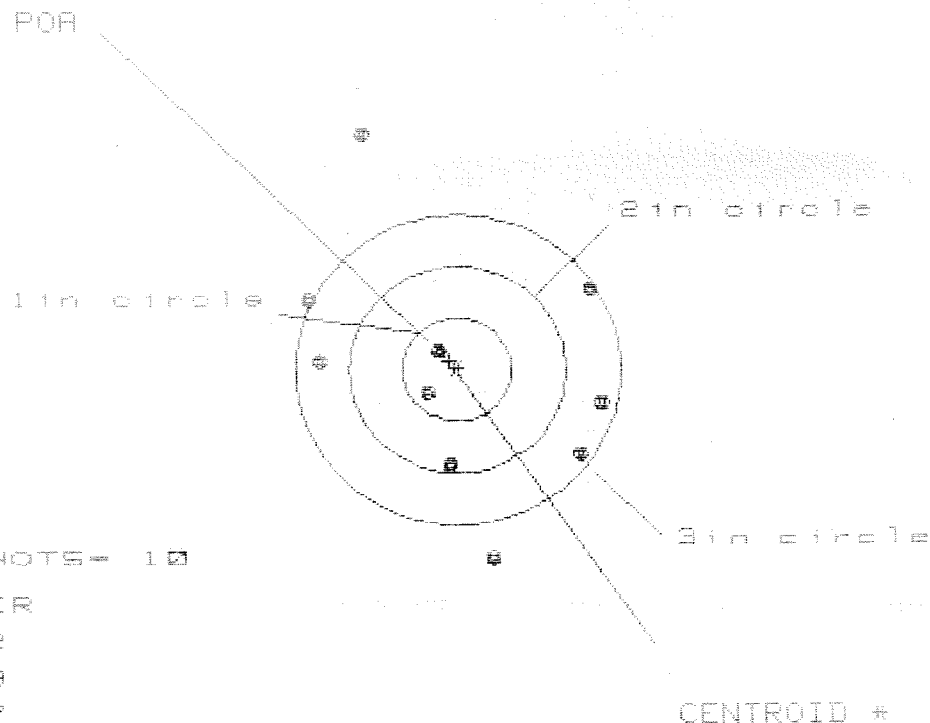
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.391	1.435	1.247
MINIMUM X	:	-1.549	-1.585	-1.443
MAXIMUM Y	:	2.129	.888	.924
MINIMUM Y	:	-1.018	-.781	-.745
CENTROID X	:	-.172	-.216	-.028
CENTROID Y	:	-.430	-.667	-.703
POA TO CENTROID in.	:	.463	.701	.703
MIN RADIUS	:	.396	.187	.350
MEAN RADIUS	:	1.153	.980	.894
MAX RADIUS	:	2.166	1.614	1.713
HORIZONTAL SPREAD	:	2.940	2.940	2.690
VERTICAL SPREAD	:	3.147	1.669	1.669
EXTREME SPREAD	:	3.153	2.975	2.694
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8565052

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.744

VS= 4.170

GS= 4.336

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.366	1.267	1.292
MINIMUM X	:	-1.378	-1.477	-1.452
MAXIMUM Y	:	2.322	1.068	.869
MINIMUM Y	:	-1.848	-1.590	-.870
CENTROID X	:	.074	.173	.148
CENTROID Y	:	-.083	-.341	-.142
POA TO CENTROID in.	:	.111	.362	.205
MIN RADIUS	:	.251	.367	.342
MEAN RADIUS	:	1.295	1.150	1.079
MAX RADIUS	:	2.486	1.728	1.611
HORIZONTAL SPREAD	:	2.744	2.744	2.744
VERTICAL SPREAD	:	4.170	2.658	1.739
EXTREME SPREAD	:	4.336	3.001	2.906
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

20 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08665852

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.284

VS= 2.520

GS= 3.461

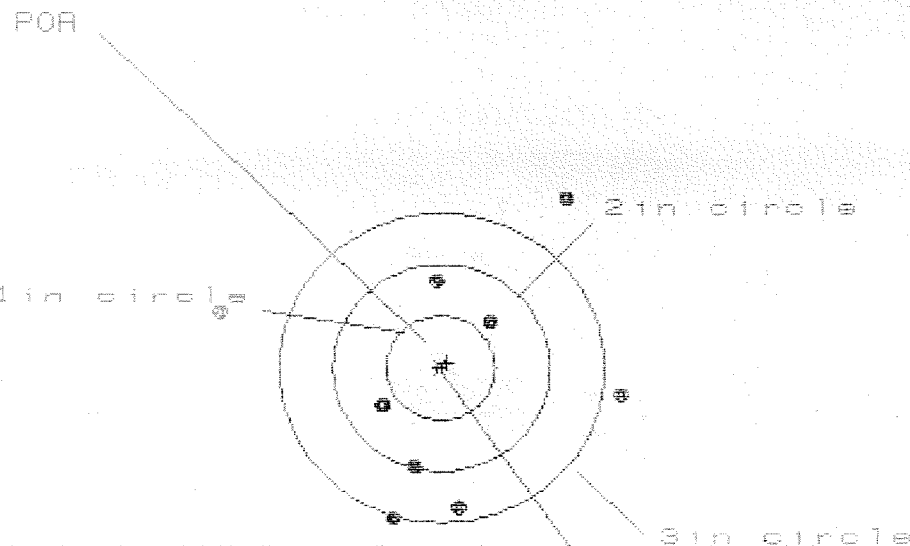
CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.473
MINIMUM X	-1.811
MAXIMUM Y	1.496
MINIMUM Y	-1.024
CENTROID X	-.059
CENTROID Y	.044
POA TO CENTROID in.	.074
MIN RADIUS	.661
MEAN RADIUS	1.278
MAX RADIUS	1.824
HORIZONTAL SPREAD	3.284
VERTICAL SPREAD	2.520
EXTREME SPREAD	3.461
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	6

20 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665852

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 6

HS = 3.731

VS = 3.048

GS = 3.813

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.674	1.446	1.559
MINIMUM X	:	-2.057	-.722	-.610
MAXIMUM Y	:	1.623	1.685	1.124
MINIMUM Y	:	-1.425	-1.363	-1.152
CENTROID X	:	-.056	.172	.059
CENTROID Y	:	-.047	-.109	-.320
POA TO CENTROID in.	:	.073	.204	.325
MIN RADIUS	:	.618	.539	.617
MEAN RADIUS	:	1.260	1.161	1.048
MAX RADIUS	:	2.132	1.912	1.559
HORIZONTAL SPREAD	:	3.731	2.168	2.168
VERTICAL SPREAD	:	3.048	3.048	2.276
EXTREME SPREAD	:	3.813	3.452	2.474
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06665852
13 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.137844
1 TO 2	.260647
1 TO 3	.108407
1 TO 4	.297321
1 TO 5	.0782304

2
1
←----FOR

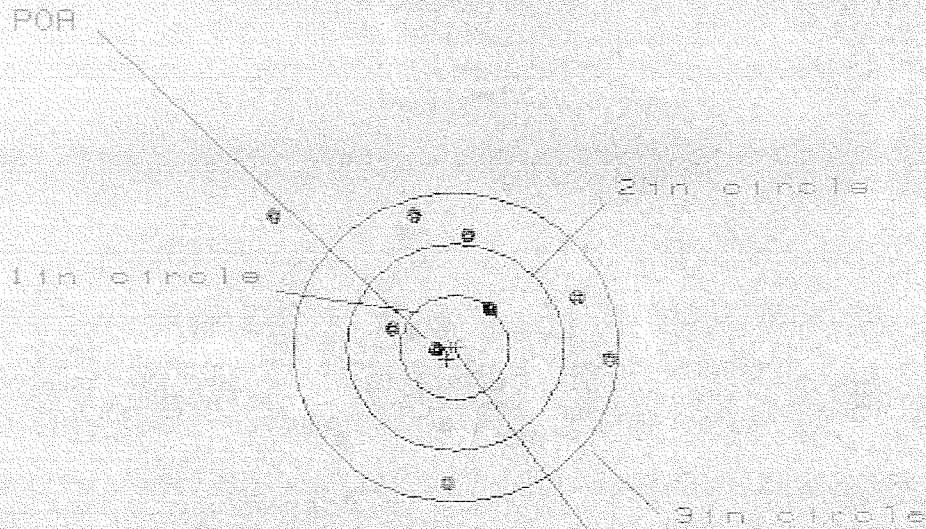
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0848
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0716
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110985

THE AMR FOR THIS RIFLE IS: 1.223

13 Dec 1991

FILE:/HATTERING/CENTERFIRE_PATT/CGB65852.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 3.133

VS= 4.538

GS= 4.791

CENTROID *

PATTERN #

1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	-1.431	-1.423	-1.209
MINIMUM X	-1.702	-1.710	-1.762
MAXIMUM Y	1.296	.936	1.049
MINIMUM Y	-3.242	-1.640	-1.527
CENTROID X	.076	.084	.298
CENTROID Y	.115	.475	.362
POA TO CENTROID in.	.138	.482	.469
MIN RADIUS	.148	.330	.195
MEAN RADIUS	1.293	1.025	.898
MAX RADIUS	3.243	1.934	1.562
HORIZONTAL SPREAD	3.133	3.133	1.971
VERTICAL SPREAD	4.538	2.576	2.576
EXTREME SPREAD	4.791	3.424	2.593
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

13-Dec-1991

FILE:/PATTERNING/CENTERFIRE_PATT/05665852.1

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 1.774

VS = 4.741

GS = 4.761

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

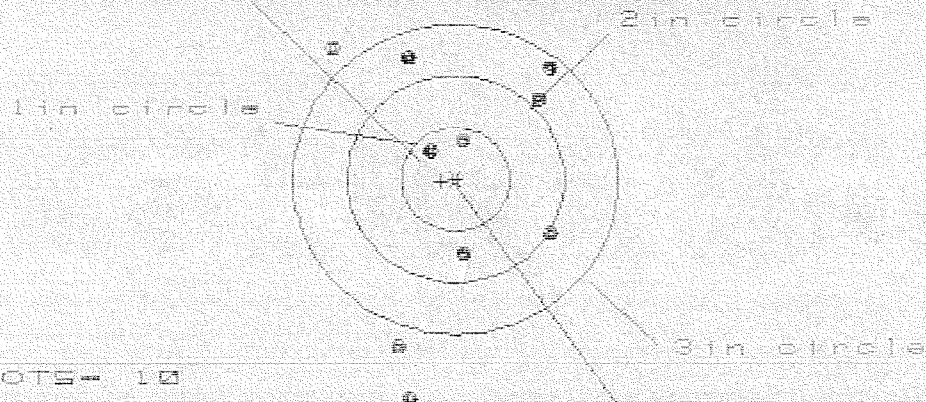
MAXIMUM X	: .898	.894	.943
MINIMUM X	: -.876	-.880	-.831
MAXIMUM Y	: 2.097	1.804	1.465
MINIMUM Y	: -2.644	-2.086	-1.861
CENTROID X	: -.028	-.024	-.073
CENTROID Y	: .354	.647	.422
POA TO CENTROID in.	: .355	.648	.428
MIN RADIUS	: .370	.583	.376
MEAN RADIUS	: 1.422	1.268	1.180
MAX RADIUS	: 2.644	2.265	2.038
HORIZONTAL SPREAD	: 1.774	1.774	1.774
VERTICAL SPREAD	: 4.741	3.890	3.326
EXTREME SPREAD	: 4.761	4.093	3.417
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	3	
NUMBER IN THREE INCH CIRCLE	=	6	

13 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6685852.J

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 2.019

VS = 3.394

GS = 3.484

CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.899	.851	.779
MINIMUM X	-1.120	-1.168	-1.240
MAXIMUM Y	1.296	1.063	.827
MINIMUM Y	-2.098	-1.886	-1.170
CENTROID X	.130	.178	.250
CENTROID Y	.021	.254	.490
POA TO CENTROID in.	.132	.310	.550
MIN RADIUS	.315	.133	.117
MEAN RADIUS	1.178	1.021	.894
MAX RADIUS	2.142	1.971	1.490
HORIZONTAL SPREAD	2.019	2.019	2.019
VERTICAL SPREAD	3.394	2.949	1.997
EXTREME SPREAD	3.484	3.118	2.675
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

13 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8665052.1

CENTERFIRE PATTERNS

4

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 3

3 in = 6

HS = 1.952

VS = 3.565

GS = 3.960

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.910	.986	.863
MINIMUM X	-1.042	-.966	-.794
MAXIMUM Y	1.559	1.336	1.349
MINIMUM Y	-2.006	-1.700	-1.533
CENTROID X	.164	.088	.209
CENTROID Y	-.169	.054	-.113
POB TO CENTROID in.	.235	.103	.237
MIN RADIUS	.414	.616	.413
MEAN RADIUS	1.237	1.142	1.052
MAX RADIUS	2.120	1.727	1.590
HORIZONTAL SPREAD	1.952	1.952	1.659
VERTICAL SPREAD	3.565	3.036	2.882
EXTREME SPREAD	3.960	3.126	2.902
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

13 Dec 1991

FILE: \PATTERNING\CENTERFIRE_PATT\06585858.1

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIP

1 in = 1

2 in = 5

3 in = 9

CENTROID *

HS = 2.628

VS = 2.047

GS = 2.941

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.058

.884

.924

MINIMUM X

-1.570

-1.132

-1.022

MAXIMUM Y

.901

.938

.813

MINIMUM Y

-1.146

-1.109

-1.228

CENTROID X

.082

.256

.146

CENTROID Y

.037

-.000

.113

POA TO CENTROID in.

.090

.256

.100

MIN RADIUS

.317

.333

.218

MEAN RADIUS

.986

.908

.823

MAX RADIUS

1.605

1.471

1.310

HORIZONTAL SPREAD

2.628

2.016

1.846

VERTICAL SPREAD

2.047

2.047

2.047

EXTREME SPREAD

2.941

2.763

2.453

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

9