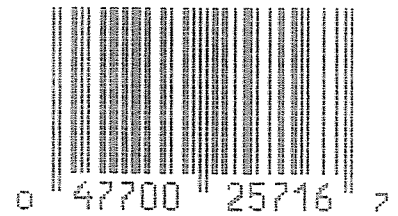


BARBER - M24 0101994

Smith
Snead®

FORM

UPC



C6665745

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 010199402033

MODEL 700 TM M24

ORDER NO.

5716

BARREL LENGTH

CAPACITY*

BARBER - M24 0101996

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6665745

ORDER NO.
5716

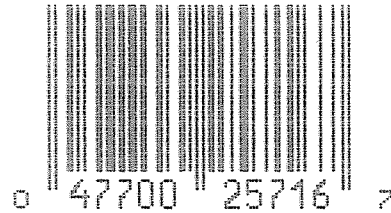
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.



5716 C6665745

ORDER 5716
MODEL 700 TM M24

UPC



0 47700 25716 7

ORDER 5716
MODEL 700 TM M24

UPC



0 47700 25716 7

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06645745DATE 11-7-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.45	2.50	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.46	2.55	2.52	
PULL #3	2.39	2.33	2.48	2.55	
PULL #4	2.45	2.44	2.57	2.56	
PULL #5	2.41	2.51	2.50	2.39	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.47		
PULL #2	3.46	3.47		
PULL #3	3.42	3.46		
PULL #4	3.44	3.47		
PULL #5	3.42	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.50		4.47
PULL #2	4.46	4.45		4.47
PULL #3	4.49	4.51		4.44
PULL #4	4.43	4.52		4.52
PULL #5	4.50	4.49		4.51
TOTAL				
AVG.				

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6665745

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/91	KA
600	Proof		10/1/91	KA
607	Check Headspace		10/1/91	KA
610	Dis-assemble Gun		10/1/91	KA
612	Magnaflux Barrel Action		OCT 8 1991	KR
	Magnaflux Bolt		OCT 8 1991	KR
615	Rollmark Caliber		OCT 8 1991	LS
617	Drill and Tap Sight Holes		OCT 8 1991	LB
618	Polish Barrel		10/14/91	WB
620	Apply Coatings (Barrel Action)		11/1/91	KA
	Apply Coating (Bolt)		11/1/91	KA
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/91	KA
	C) Inspect Ejector Hole for Chamfer		11/6/91	KA
	D) Oil Firing Pin Ass'y		11/6/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		11-7-91	KA

op. BARBER - M24 0101999		READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11-7-91	JK
	G) Safety Off Force	3	3	3			11-7-91	JK
	H) Trigger Pull Test & Retainability						11-7-91	JK
	I) Firing Pin Indent	10205	1020	1020			11-7-91	JK
	J) Assemble Stock						11-11-91	JK
	K) Assemble Swivel Studs						11-27-91	AC
	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						11-14-91	NE
	A) Time						"	NE
	B) Malfunctions						"	NE
	C) Pierced Primers						"	NE
	D) Optical Clarity of Scope						"	NE
645	Inspect for Live Ammo						11-14-91	NE
655	Final Inspection							
	A) Headspace						11-27-91	AC
	B) Trigger Pull	2.59	2.52	2.55	2.56	2.39	11-25-91	JK
	C) Function						11-27-91	K
660	Pack						12-19-91	NE

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06665745
18 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	.188958
1 TO 2	.362035
1 TO 3	.472106
1 TO 4	.659152
1 TO 5	.57997

$\frac{4}{5} \pm$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1722
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .186035
THE AMR FOR THIS RIFLE IS: .9256

18 May 1991

FILE: PATTERNING/CENTERFIRE_PATT/C86685745.1

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.473

VS= 2.842

GS= 2.886

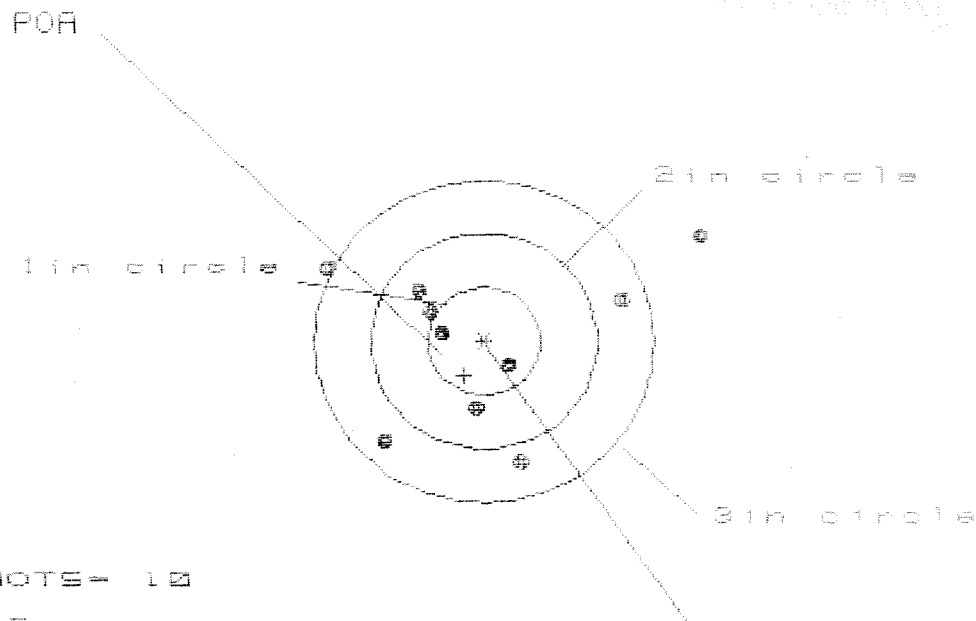
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.608	.587	.613
MINIMUM X	-.865	-.798	-.772
MAXIMUM Y	1.269	1.094	.572
MINIMUM Y	-1.573	-.832	-.695
CENTROID X	.184	.117	.091
CENTROID Y	-.043	.132	-.005
POA TO CENTROID in.	.189	.176	.091
MIN RADIUS	.105	.291	.194
MEAN RADIUS	.727	.618	.546
MAX RADIUS	1.686	1.114	.772
HORIZONTAL SPREAD	1.473	1.385	1.385
VERTICAL SPREAD	2.842	1.926	1.267
EXTREME SPREAD	2.886	1.926	1.431
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8685745.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.310

VS= 2.050

GS= 3.349

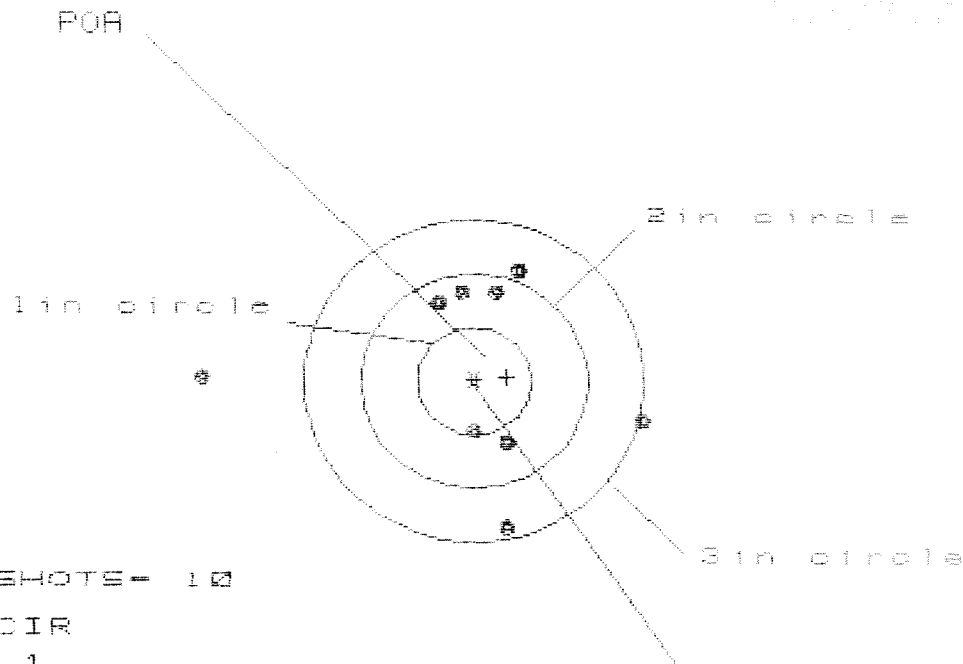
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.911	1.405	1.257
MINIMUM X	:	-1.399	-1.187	-1.846
MAXIMUM Y	:	.931	.734	.724
MINIMUM Y	:	-1.119	-1.016	-.924
CENTROID X	:	.179	-.033	.116
CENTROID Y	:	.319	.216	.124
POA TO CENTROID in.	:	.366	.218	.189
MIN RADIUS	:	.359	.235	.340
MEAN RADIUS	:	1.005	.845	.774
MAX RADIUS	:	2.125	1.493	1.392
HORIZONTAL SPREAD	:	3.310	2.592	2.102
VERTICAL SPREAD	:	2.050	1.750	1.648
EXTREME SPREAD	:	3.349	2.602	2.461
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665745.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 3.905

VS = 2.422

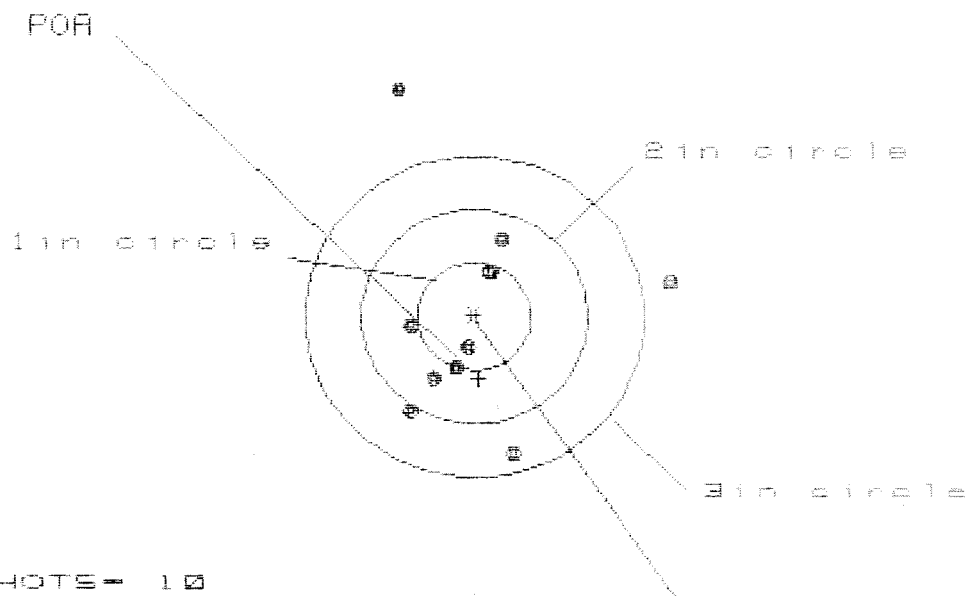
GS = 3.933

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.498	1.231	.272
MINIMUM X	-2.407	-.595	-.441
MAXIMUM Y	1.018	1.024	.973
MINIMUM Y	-1.404	-1.398	-1.449
CENTROID X	-.288	-.021	-.175
CENTROID Y	-.033	-.039	.012
POA TO CENTROID in.	.290	.044	.175
MIN RADIUS	.480	.519	.546
MEAN RADIUS	1.055	.986	.918
MAX RADIUS	2.407	1.399	1.464
HORIZONTAL SPREAD	3.905	1.826	.713
VERTICAL SPREAD	2.422	2.422	2.422
EXTREME SPREAD	3.933	2.423	2.423
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

18 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6585745.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.397

VS= 3.425

GS= 3.565

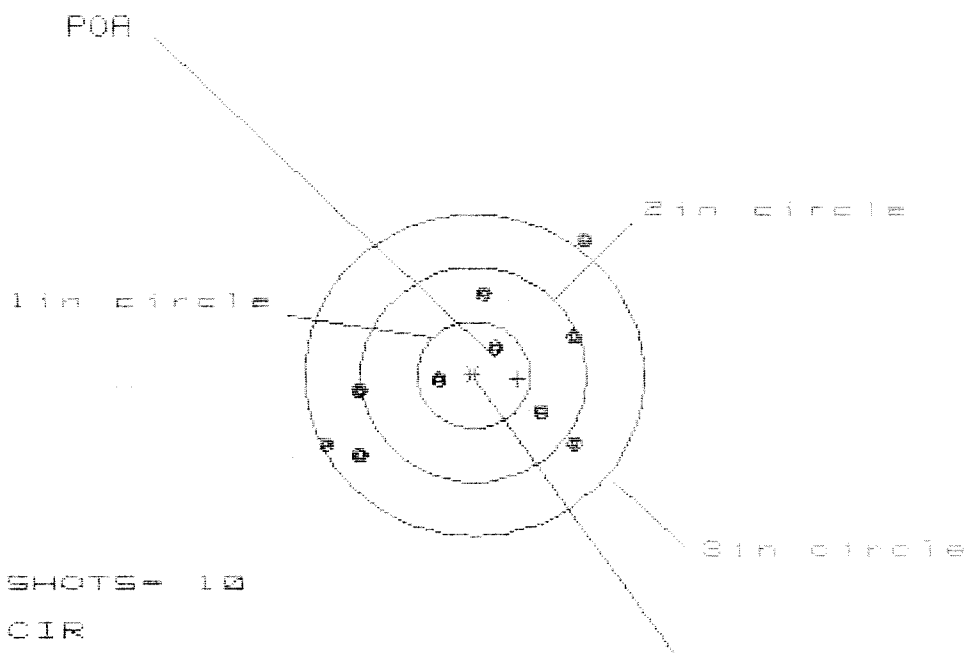
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.714	1.638	.435
MINIMUM X	-.683	-.638	-.433
MAXIMUM Y	2.135	.918	.984
MINIMUM Y	-1.290	-1.052	-.986
CENTROID X	-.037	.039	-.166
CENTROID Y	.578	.340	.274
POA TO CENTROID in.	.579	.343	.320
MIN RADIUS	.283	.160	.058
MEAN RADIUS	.949	.774	.582
MAX RADIUS	2.242	1.721	1.078
HORIZONTAL SPREAD	2.397	2.276	.868
VERTICAL SPREAD	3.425	1.970	1.970
EXTREME SPREAD	3.565	2.571	1.971
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665745.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.368

VS= 1.998

GS= 2.989

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.013	1.031	.876
MINIMUM X	:	-1.356	-1.243	-1.061
MAXIMUM Y	:	1.233	.901	.844
MINIMUM Y	:	-.765	-.628	-.685
CENTROID X	:	-.390	-.502	-.347
CENTROID Y	:	.040	-.097	-.040
POA TO CENTROID in.	:	.392	.511	.349
MIN RADIUS	:	.265	.182	.314
MEAN RADIUS	:	.943	.872	.797
MAX RADIUS	:	1.596	1.323	1.258
HORIZONTAL SPREAD	:	2.368	2.274	1.937
VERTICAL SPREAD	:	1.998	1.529	1.529
EXTREME SPREAD	:	2.989	2.397	2.168
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665745
15 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.412662
1 TO	2	.564354
1 TO	3	.975459
1 TO	4	.565475
1 TO	5	.685385

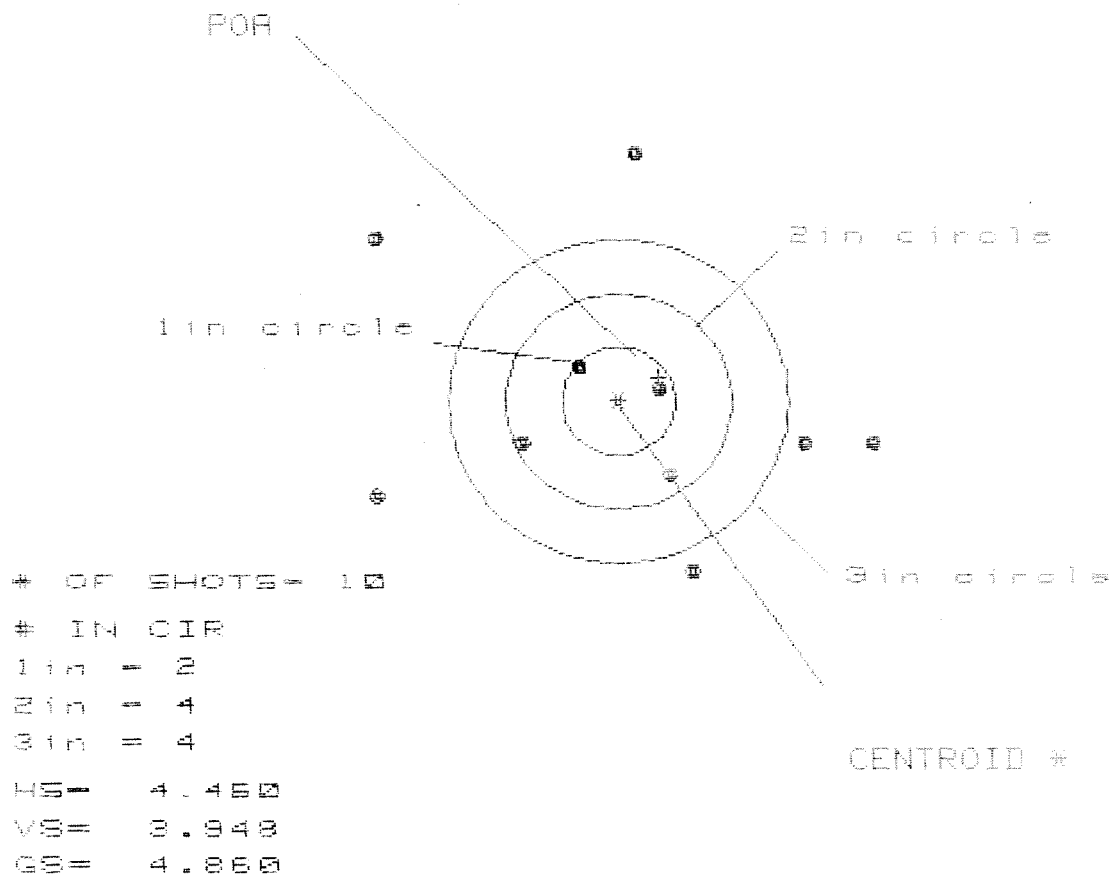
$\frac{1}{5} \sum_{i=1}^5 x_i^2$ (----POA)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1378
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2838
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .315486
THE AMR FOR THIS RIFLE IS: 1.31

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06883745

CENTERFIRE PATTERNS # 1

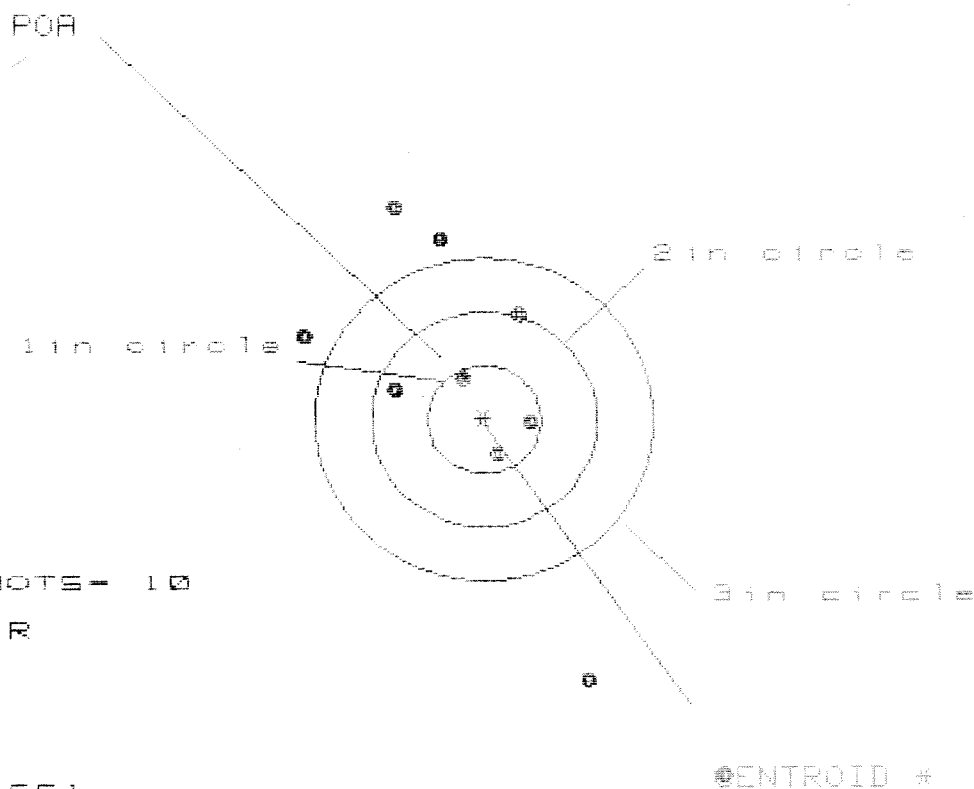


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.295	2.054	2.048
MINIMUM X	-2.165	-2.386	-2.392
MAXIMUM Y	2.359	2.526	.780
MINIMUM Y	-1.589	-1.422	-1.106
CENTROID X	-.351	-.111	-.105
CENTROID Y	-.217	-.384	-.780
POA TO CENTROID in.	.413	.400	.788
MIN RADIUS	.403	.325	.284
MEAN RADIUS	1.569	1.419	1.259
MAX RADIUS	2.636	2.527	2.419
HORIZONTAL SPREAD	4.460	4.440	4.440
VERTICAL SPREAD	3.948	3.948	1.886
EXTREME SPREAD	4.860	4.459	4.459
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	4		

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8885745

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 4

3 in = 5

HS = 3.651

VS = 5.233

GS = 5.977

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.081	1.106	.766
MINIMUM X	:	-1.570	-1.339	-1.201
MAXIMUM Y	:	1.954	1.590	1.238
MINIMUM Y	:	-3.279	-2.811	-1.990
CENTROID X	:	.189	-.042	-.180
CENTROID Y	:	-.381	-.017	.335
POA TO CENTROID in.	:	.425	.045	.380
MIN RADIUS	:	.288	.077	.432
MEAN RADIUS	:	1.503	1.152	.927
MAX RADIUS	:	3.883	3.021	1.313
HORIZONTAL SPREAD	:	3.651	2.445	1.967
VERTICAL SPREAD	:	5.233	4.401	2.228
EXTREME SPREAD	:	5.977	4.711	2.401
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06665745

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 6

HS = 3.731

VS = 3.309

GS = 3.910

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.047	1.040	1.157
MINIMUM X	:	-1.683	-1.456	-1.339
MAXIMUM Y	:	1.417	1.249	.992
MINIMUM Y	:	-1.892	-2.060	-1.112
CENTROID X	:	.464	.236	.119
CENTROID Y	:	-.753	-.585	-.328
POA TO CENTROID in.	:	.884	.631	.349
MIN RADIUS	:	.599	.536	.540
MEAN RADIUS	:	1.368	1.191	1.002
MAX RADIUS	:	2.543	2.262	1.741
HORIZONTAL SPREAD	:	3.731	2.496	2.496
VERTICAL SPREAD	:	3.309	3.309	2.104
EXTREME SPREAD	:	3.910	3.539	2.537
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8665745

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 2.062

VS = 3.774

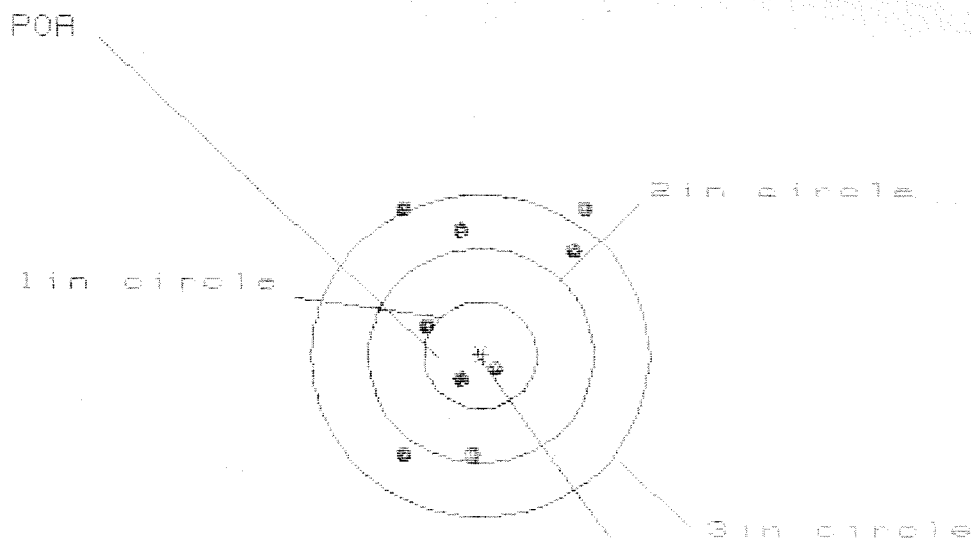
GS = 3.949

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.831	.694	.668
MINIMUM X	:	-1.231	-1.578	-1.604
MAXIMUM Y	:	1.148	.856	.624
MINIMUM Y	:	-2.626	-1.175	-1.068
CENTROID X	:	.210	.347	.373
CENTROID Y	:	-.288	.004	-.108
POA TO CENTROID in.	:	.356	.347	.387
MIN RADIUS	:	.260	.128	.167
MEAN RADIUS	:	.941	.632	.616
MAX RADIUS	:	2.901	1.175	1.068
HORIZONTAL SPREAD	:	2.062	1.272	1.272
VERTICAL SPREAD	:	3.774	2.031	1.692
EXTREME SPREAD	:	3.949	2.045	1.727
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08665745

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 1.667

VS= 4.282

GS= 4.397

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	1.015	1.036
MINIMUM X	:	-.697	-.652	-.525
MAXIMUM Y	:	1.366	1.042	1.148
MINIMUM Y	:	-2.916	-1.228	-1.037
CENTROID X	:	.177	.132	.005
CENTROID Y	:	.220	.544	.413
POA TO CENTROID in.	:	.282	.559	.413
MIN RADIUS	:	.161	.431	.398
MEAN RADIUS	:	1.167	.973	.877
MAX RADIUS	:	2.943	1.455	1.291
HORIZONTAL SPREAD	:	1.667	1.667	1.561
VERTICAL SPREAD	:	4.282	2.270	2.245
EXTREME SPREAD	:	4.397	2.810	2.428
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	