

FORM

UPC



0 47700 25716 7

C6649187

INCLUDES 1 IN STANDARD

MODEL 700 TM M24

5716

ORDER NO.

BARREL LENGTH

CAPACITY*

C 6649187

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6649187

ORDER NO.
5716

20

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



5716 C6649187

ORDER **5716**
MODEL 700 TM M24
UPC

ORDER **5716**
MODEL 700 TM M24
UPC



0 47700 25716 7



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649187

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	RW
600	Proof	10 1	91	RW
607	Check Headspace	10 1	91	RW
610	Dis-assemble Gun	10 1	91	RW
612	Magnaflux Barrel Action		OCT 10 1991	KR
	Magnaflux Bolt		OCT 10 1991	KR
615	Rollmark Caliber		OCT 10 1991	LS
617	Drill and Tap Sight Holes		OCT 3 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11/2/91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/11/91	RW
	C) Inspect Ejector Hole for Chamfer		11/11/91	RW
	D) Oil Firing Pin Ass'y		11/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/30/91	WB

op. #	OP NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			12/31/91	WLB
	G) Safety Off Force	2	2	2			12/31/91	WLB
	H) Trigger Pull Test & Retainability						12/30/91	WLB
	I) Firing Pin Indent	.021	.021	.021			12/31/91	WLB
	J) Assemble Stock						1/3/92	RW
	K) Assemble Swivel Studs						1-17-92	AC
	L) Attach Front and Rear Sight Assemblies						1/3/92	RW
	M) Iron Sight Alignment						1/3/92	RW
	N) Detach Front & Rear Sights & place in numbered container						1/3/92	RW
	O) Attach Scope to Rifle						1/3/92	RW
	P) Detach & Attach Scope 20 Times						1/3/92	RW
640	Gallery Target & Test						1-6-92	AC
	A) Time						1-6-92	AC
	B) Malfunctions						1-6-92	AC
	C) Pierced Primers						1-6-92	AC
	D) Optical Clarity of Scope						1-6-92	AC
645	Inspect for Live Ammo						1-6-92	AC
655	Final Inspection							
	A) Headspace						1-7-92	A
	B) Trigger Pull	2.71	2.76	2.73	2.73	2.76	1/7/92	RW
	C) Function						1-7-92	A
660	Pack						2-25-92	NF

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649187
6 Jan 1992

CENTROIDAL DISTANCES

0 TO	1	.261222
1 TO	2	.607063
1 TO	3	.280845
1 TO	4	.100648
1 TO	5	.395248

$\frac{1}{3} \frac{1}{2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0774
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .323787
THE AMP FOR THIS RIFLE IS: .9288

6 Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/06649187

CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.175

VS = 3.213

GS = 3.316

PATTERN #

1

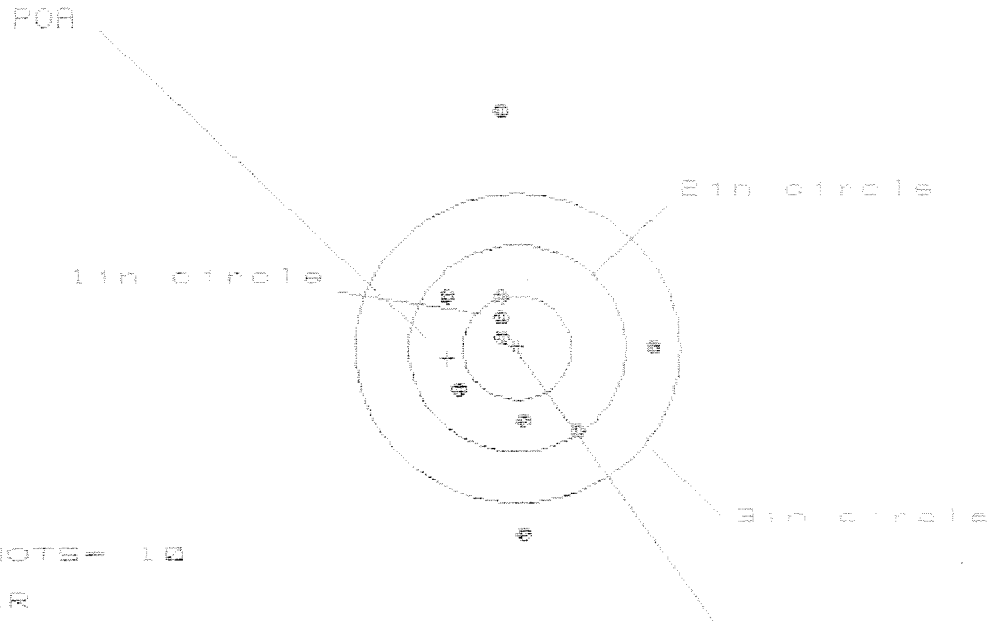
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.992	1.070	1.065
MINIMUM X	:	-1.183	-1.185	-1.110
MAXIMUM Y	:	1.672	1.809	.969
MINIMUM Y	:	-1.541	-1.355	-.966
CENTROID X	:	.131	.853	.058
CENTROID Y	:	-.226	-.412	-.242
POR TO CENTROID in.	:	.261	.415	.249
MIN RADIUS	:	.111	.308	.150
MEAN RADIUS	:	.964	.893	.791
MAX RADIUS	:	1.813	1.356	1.436
HORIZONTAL SPREAD	:	2.175	2.175	2.175
VERTICAL SPREAD	:	3.213	2.394	1.835
EXTREME SPREAD	:	3.316	2.595	2.305
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		5		
NUMBER IN THREE INCH CIRCLE =		8		

6 Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/066491B7

CENTERFIRE PATTERNS

2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 1.832

VS = 4.142

GS = 4.148

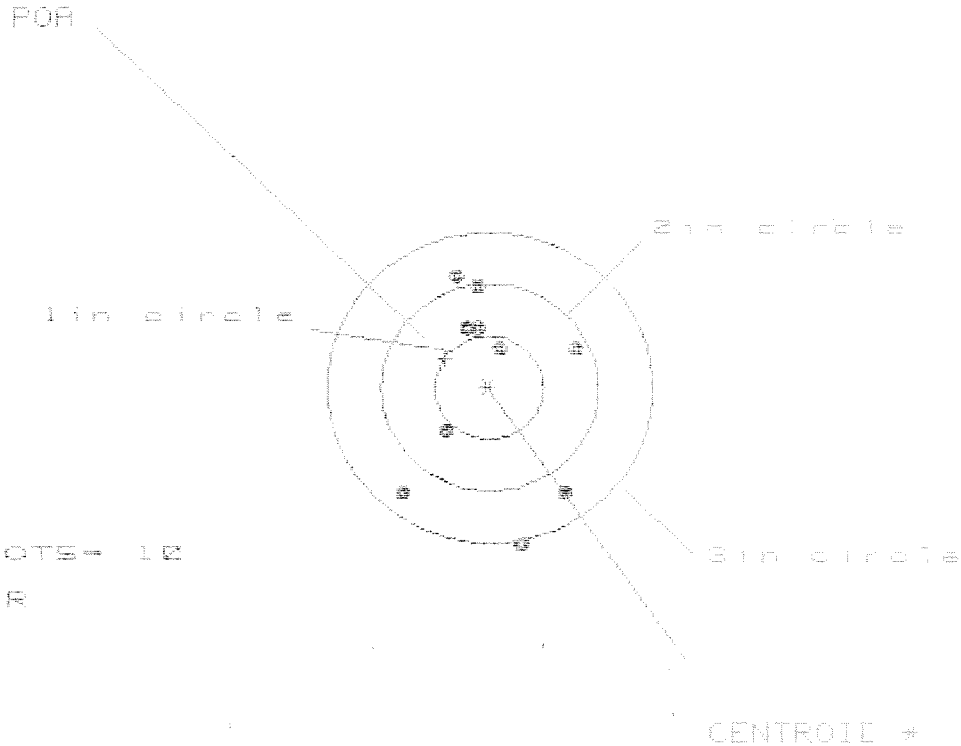
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.219	1.199	1.281
MINIMUM X	-1.613	-1.633	-1.631
MAXIMUM Y	2.332	.773	.579
MINIMUM Y	-1.810	-1.551	-1.789
CENTROID X	.645	.665	.663
CENTROID Y	.097	-.162	.032
POA TO CENTROID in.	.652	.685	.663
MIN RADIUS	.187	.392	.238
MEAN RADIUS	.954	.812	.684
MAX RADIUS	2.339	1.551	1.264
HORIZONTAL SPREAD	1.832	1.832	1.832
VERTICAL SPREAD	4.142	2.324	1.288
EXTREME SPREAD	4.148	2.376	1.888
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

6 Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/06845167

CENTERFIRE PATTERNS # 3



OF SHOTS = 12

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.539

VS = 2.640

GS = 2.698

PATTERN #	1	3	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.821	.852	.754
MINIMUM X	-.818	-.787	-.426
MAXIMUM Y	1.109	.939	.793
MINIMUM Y	-1.531	-1.236	-1.382
CENTROID X	.406	.375	.474
CENTROID Y	-.283	-.113	.033
POA TO CENTROID in.	.495	.392	.475
MIN RADIUS	.418	.273	.097
MEAN RADIUS	.927	.807	.678
MAX RADIUS	1.557	1.429	1.514
HORIZONTAL SPREAD	1.539	1.639	1.179
VERTICAL SPREAD	2.640	2.175	2.175
EXTREME SPREAD	2.698	2.379	2.379
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

6 Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/06645187

CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 1.997

VS = 2.424

GS = 2.436

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.808	1.676	1.657
MINIMUM X	-1.189	-1.754	-1.763
MAXIMUM Y	1.259	1.324	1.398
MINIMUM Y	-1.165	-1.100	-1.935
CENTROID X	.174	.306	.315
CENTROID Y	-.135	-.200	-.365
POR TO CENTROID in.	.220	.366	.482
MIN RADIUS	.466	.321	.246
MEAN RADIUS	.935	.868	.780
MAX RADIUS	1.323	1.326	1.430
HORIZONTAL SPREAD	1.997	1.430	1.430
VERTICAL SPREAD	2.424	2.424	2.933
EXTREME SPREAD	2.436	2.436	2.956
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jan 1982

FILE: PATTERNING/CENTERFIRE_PATT-06649187

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HOR = 3.546

VER = 1.495

GRN = 3.725

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.937	1.164	1.045
MINIMUM X	:	-1.209	-0.949	-0.551
MAXIMUM Y	:	.658	.715	.643
MINIMUM Y	:	-0.897	-0.760	-0.852
CENTROID X	:	.216	-0.044	.075
CENTROID Y	:	.160	.100	.175
POA TO CENTROID in.	:	.269	.112	.190
4IN RADIUS	:	.187	.168	.141
MEAN RADIUS	:	.864	.631	.565
MAX RADIUS	:	2.392	1.366	1.227
HORIZONTAL SPREAD	:	3.546	2.113	1.570
VERTICAL SPREAD	:	1.495	1.495	1.495
EXTREME SPREAD	:	3.725	3.175	2.014
MPER IN ONE INCH CIRCLE	=	3		
MPER IN TWO INCH CIRCLE	=	7		
MPER IN THREE INCH CIRCLE	=	9		

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649187
DATE 12/30/91
TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.31	2.40	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.30	2.28	
PULL #3	2.31	2.23	2.30	
PULL #4	2.31	2.37	2.28	
PULL #5	2.27	2.37	2.27	
TOTAL	11.47	11.67	11.38	
AVG.	2.29	2.33	2.28	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	3.15		
PULL #2	3.02	3.00		
PULL #3	3.09	3.09		
PULL #4	3.00	3.14		
PULL #5	2.97	3.16		
TOTAL	15.11	15.54		
AVG.	3.02	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.05	4.04		4.05
PULL #2	4.16	4.17		3.90
PULL #3	4.00	4.00		3.99
PULL #4	4.03	4.00		3.96
PULL #5	4.16	4.14		4.03
TOTAL	20.40	20.35		19.93
AVG.	4.08	4.07		3.99

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225049

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	E.S.
617	Drill and Tap Sight Holes	4 7	89	LB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/24/89	WB

op. #	BARBER - M24 0065983 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/28/89	WB
	G) Safety Off Force	3	3	3			4/28/89	WB
	H) Trigger Pull Test & Retainability						4/28/89	WB
	I) Firing Pin Indent	.020	.020	.020			4/28/89	WB
	J) Assemble Stock						5/1/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/1/89	RW
	M) Iron Sight Alignment						5/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/1/89	RW
	O) Attach Scope to Rifle						5/1/89	GU
	P) Detach & Attach Scope 20 Times						5/1/89	GU
640	Gallery Target & Test	56R	99L				5/2/89	DH
	A) Time						5/2/89	DH
	B) Malfunctions						5/2/89	DH
	C) Pierced Primers						5/2/89	DH
	D) Optical Clarity of Scope						5/2/89	DH
645	Inspect for Live Ammo						5/2/89	DH
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.50	2.47	2.65	2.60	2.68	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225049
3 May 1989

CENTROIDAL DISTANCES

0 TO	1	.0582409
1 TO	2	.515653
1 TO	3	.0720902
1 TO	4	.689604
1 TO	5	.622113

ϕ
5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .205
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .291139
THE AMR FOR THIS RIFLE IS: 1.165

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8285049

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.284

VS= 3.064

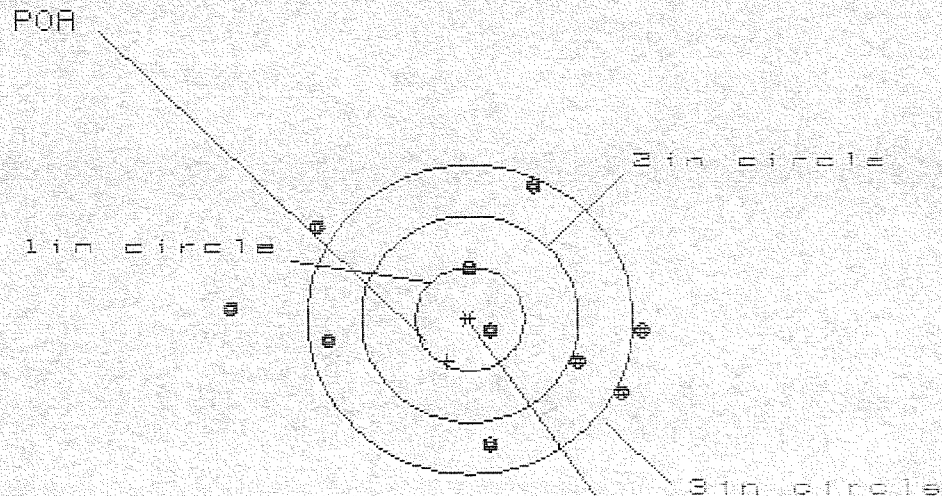
GS= 3.078

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.332	1.296	1.214
MINIMUM X	:	-.952	-.988	-1.071
MAXIMUM Y	:	1.731	1.044	.901
MINIMUM Y	:	-1.333	-1.141	-.982
CENTROID X	:	-.016	.020	.103
CENTROID Y	:	-.056	-.248	-.105
POA TO CENTROID in.	:	.058	.249	.147
MIN RADIUS	:	.490	.495	.376
MEAN RADIUS	:	1.106	1.030	.974
MAX RADIUS	:	1.761	1.352	1.324
HORIZONTAL SPREAD	:	2.284	2.284	2.284
VERTICAL SPREAD	:	3.064	2.185	1.883
EXTREME SPREAD	:	3.078	2.618	2.313
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225049

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 2

3 in = 6

HS= 3.733

VS= 2.457

GS= 3.738

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.545	1.302	1.100
MINIMUM X	:	-2.188	-1.616	-1.791
MAXIMUM Y	:	1.281	1.290	1.400
MINIMUM Y	:	-1.176	-1.167	-1.057
CENTROID X	:	.211	.454	.656
CENTROID Y	:	.407	.398	.288
POA TO CENTROID in.	:	.459	.604	.717
MIN RADIUS	:	.219	.120	.259
MEAN RADIUS	:	1.272	1.131	1.026
MAX RADIUS	:	2.190	1.840	1.782
HORIZONTAL SPREAD	:	3.733	2.918	2.881
VERTICAL SPREAD	:	2.457	2.457	2.457
EXTREME SPREAD	:	3.738	3.204	2.882
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		6	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225049

CENTERFIRE PATTERNS # 3

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= 3.459

VS= 2.761

GS= 3.520

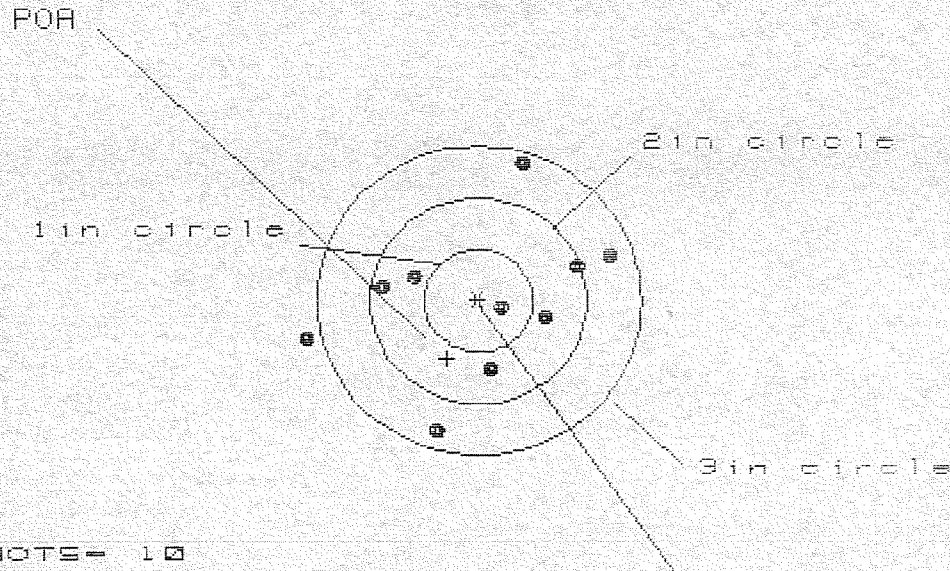
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.756	1.384	1.342
MINIMUM X	:	-1.703	-1.507	-1.334
MAXIMUM Y	:	1.426	1.352	1.176
MINIMUM Y	:	-1.335	-1.409	-1.890
CENTROID X	:	-.045	-.240	-.413
CENTROID Y	:	.010	.084	.260
POA TO CENTROID in.	:	.046	.254	.488
MIN RADIUS	:	.367	.181	.083
MEAN RADIUS	:	1.237	1.120	.958
MAX RADIUS	:	1.876	1.974	1.474
HORIZONTAL SPREAD	:	3.459	2.891	2.676
VERTICAL SPREAD	:	2.761	2.761	2.066
EXTREME SPREAD	:	3.520	3.181	2.721
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225043

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.851

VS= 2.573

GS= 2.939

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.225	1.045	1.074
MINIMUM X	:	-1.626	-1.056	-1.027
MAXIMUM Y	:	1.342	1.306	.522
MINIMUM Y	:	-1.231	-1.267	-1.103
CENTROID X	:	.292	.472	.443
CENTROID Y	:	.561	.597	.433
POA TO CENTROID in.	:	.632	.761	.620
MIN RADIUS	:	.223	.123	.069
MEAN RADIUS	:	.971	.869	.791
MAX RADIUS	:	1.657	1.397	1.237
HORIZONTAL SPREAD	:	2.851	2.101	2.101
VERTICAL SPREAD	:	2.573	2.573	1.625
EXTREME SPREAD	:	2.939	2.701	2.304
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225049

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS = 2.593

VS = 3.148

GS = 3.219

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.269
MINIMUM X	-1.324
MAXIMUM Y	1.658
MINIMUM Y	-1.490
CENTROID X	.583
CENTROID Y	.112
POR TO CENTROID in.	.594
MIN RADIUS	.828
MEAN RADIUS	1.239
MAX RADIUS	1.763
HORIZONTAL SPREAD	2.593
VERTICAL SPREAD	3.148
EXTREME SPREAD	3.219
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	8

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225049
22 May 1989

AC - 500 R/L

CENTROIDAL DISTANCES

Ø TO	1	.422604
1 TO	2	.73448
1 TO	3	.126574
1 TO	4	.301239
1 TO	5	.401659

Y
+
B

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2444
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0962
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .262651
THE AMR FOR THIS RIFLE IS: .9732

22 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225049.1

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.823

VS= 2.804

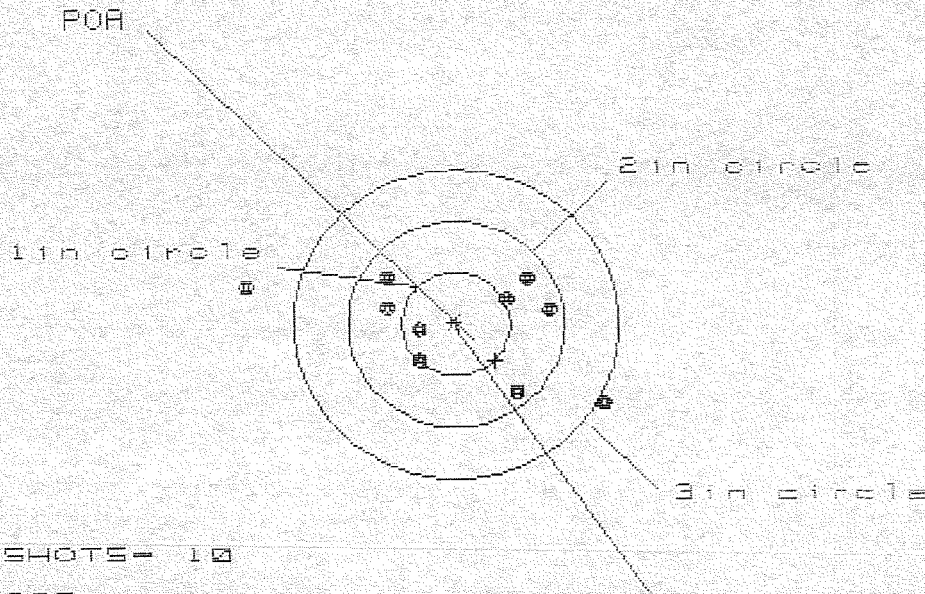
GS= 2.859

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.650	.660	.515
MINIMUM X	-1.173	-1.163	-1.015
MAXIMUM Y	.965	.760	.747
MINIMUM Y	-1.839	-1.091	-1.104
CENTROID X	-.213	-.223	-.078
CENTROID Y	-.365	-.160	-.147
POA TO CENTROID in.	.422	.275	.166
MIN RADIUS	.436	.297	.180
MEAN RADIUS	.899	.762	.670
MAX RADIUS	1.842	1.168	1.115
HORIZONTAL SPREAD	1.823	1.823	1.530
VERTICAL SPREAD	2.804	1.851	1.851
EXTREME SPREAD	2.859	2.019	1.968
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

22 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225049.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 8

HS= 3.288

VS= 1.185

GS= 3.462

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.361	1.147	.807
MINIMUM X	:	-1.927	-.852	-.708
MAXIMUM Y	:	.468	.509	.424
MINIMUM Y	:	-.717	-.676	-.676
CENTROID X	:	-.363	-.149	-.293
CENTROID Y	:	.354	.313	.398
POA TO CENTROID in.	:	.507	.347	.494
MIN RADIUS	:	.392	.431	.470
MEAN RADIUS	:	.881	.755	.666
MAX RADIUS	:	1.961	1.332	.822
HORIZONTAL SPREAD	:	3.288	1.999	1.515
VERTICAL SPREAD	:	1.185	1.185	1.100
EXTREME SPREAD	:	3.462	2.293	1.569
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

22 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225049.1

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.113

VS = 2.188

GS = 2.781

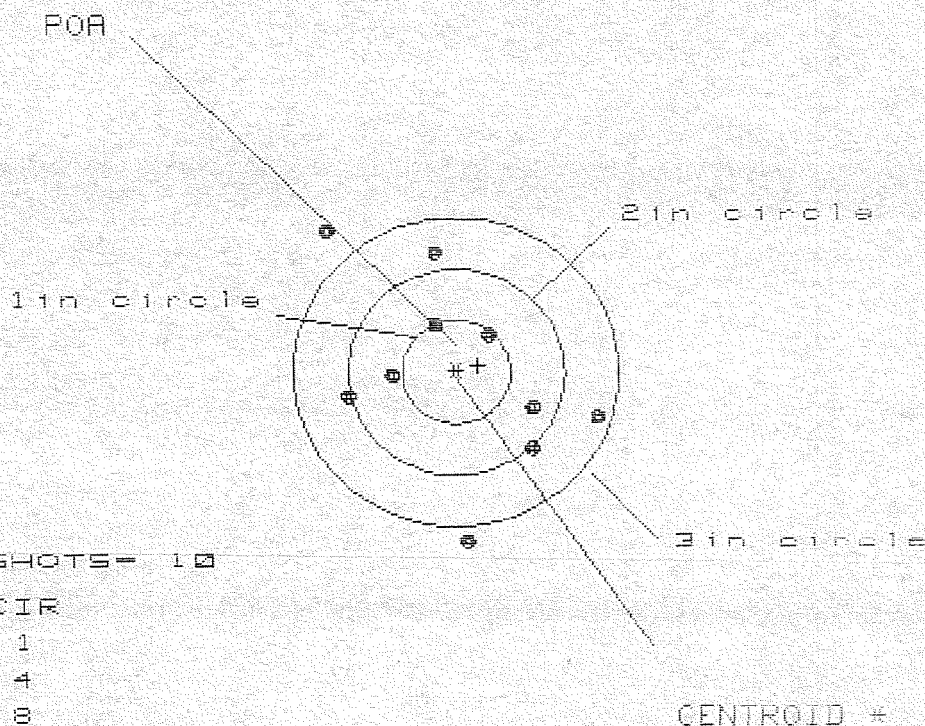
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.990	.870	.620
MINIMUM X	:	-1.123	-1.243	-1.135
MAXIMUM Y	:	1.064	.939	.808
MINIMUM Y	:	-1.125	-1.045	-1.136
CENTROID X	:	-.099	.021	-.087
CENTROID Y	:	-.420	-.295	-.164
POA TO CENTROID in.	:	.431	.295	.186
MIN RADIUS	:	.356	.201	.321
MEAN RADIUS	:	.947	.851	.778
MAX RADIUS	:	1.563	1.373	1.270
HORIZONTAL SPREAD	:	2.113	2.113	1.755
VERTICAL SPREAD	:	2.188	1.984	1.944
EXTREME SPREAD	:	2.781	2.667	2.329
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

22 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225049.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.513

VS = 2.966

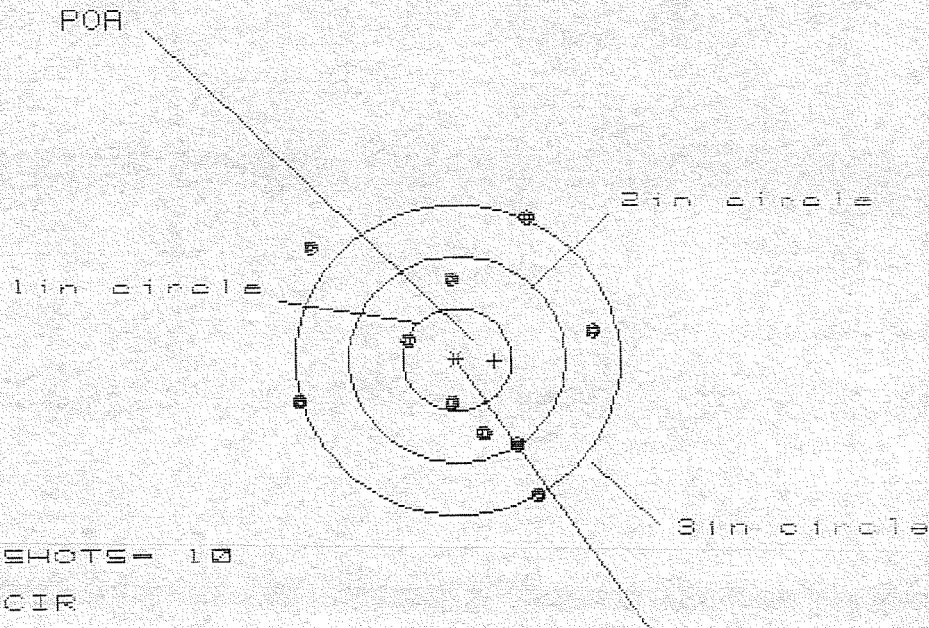
GS = 3.236

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.337	1.207	1.205
MINIMUM X	-1.175	-1.116	-1.118
MAXIMUM Y	1.337	1.311	1.126
MINIMUM Y	-1.629	-1.480	-0.735
CENTROID X	-0.201	-0.071	-0.069
CENTROID Y	-0.064	-0.213	-0.028
POA TO CENTROID in.	.212	.224	.075
MIN RADIUS	.465	.540	.365
MEAN RADIUS	1.037	.952	.860
MAX RADIUS	1.780	1.480	1.288
HORIZONTAL SPREAD	2.513	2.323	2.323
VERTICAL SPREAD	2.966	2.791	1.861
EXTREME SPREAD	3.236	2.805	2.331
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

22 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225043.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 2.720

VS= 2.665

GS= 3.187

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.106	1.183
MINIMUM X	:	-1.467	-1.614	-1.537
MAXIMUM Y	:	1.337	1.457	1.306
MINIMUM Y	:	-1.329	-1.208	-0.852
CENTROID X	:	-0.346	-0.199	-0.276
CENTROID Y	:	0.014	-0.106	0.045
POA TO CENTROID in.	:	0.346	0.225	0.280
MIN RADIUS	:	0.374	0.310	0.416
MEAN RADIUS	:	1.102	1.015	0.976
MAX RADIUS	:	1.709	1.645	1.607
HORIZONTAL SPREAD	:	2.720	2.720	2.720
VERTICAL SPREAD	:	2.665	2.665	2.158
EXTREME SPREAD	:	3.187	2.816	2.816
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

4500 Rdr
6/5/89CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225049
6 Jun 1989

CENTROIDAL DISTANCES

0 TO 1	.0980306
1 TO 2	.450099
1 TO 3	.722375
1 TO 4	.690381
1 TO 5	.694994

42
52
t

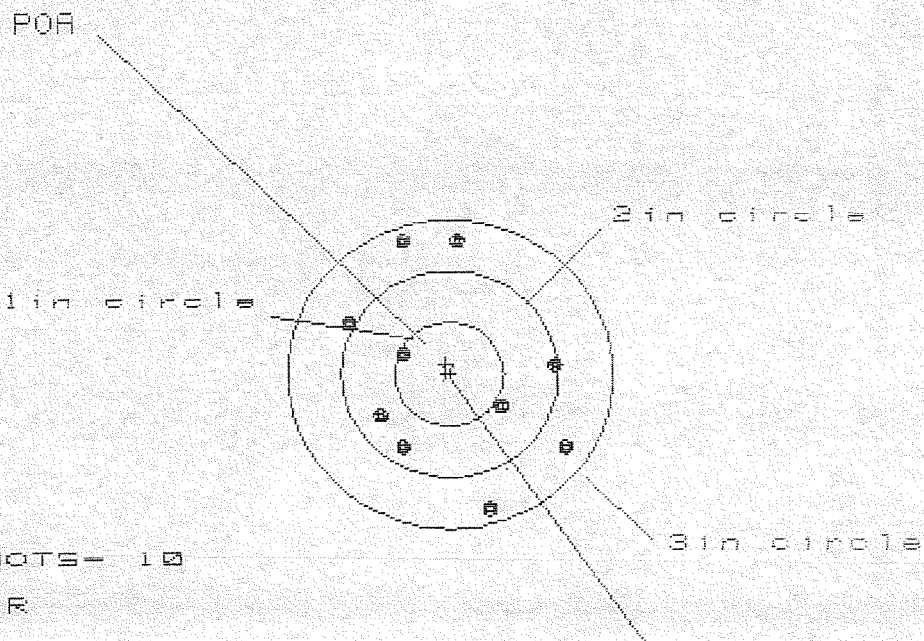
-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2828
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2728
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .392932
THE AMR FOR THIS RIFLE IS: .8554

6 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225049.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.030

VS = 2.616

GS = 2.698

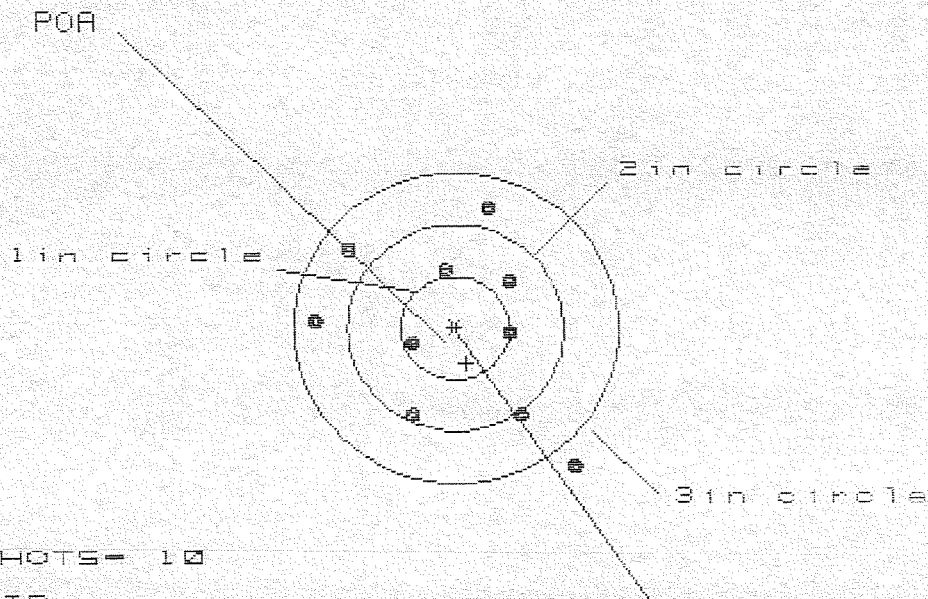
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.093	1.047	1.082
MINIMUM X	-.937	-.983	-.948
MAXIMUM Y	1.306	1.450	1.304
MINIMUM Y	-1.310	-1.166	-.735
CENTROID X	.031	.077	.042
CENTROID Y	-.093	-.237	-.091
POA TO CENTROID in.	.099	.249	.100
MIN RADIUS	.489	.484	.498
MEAN RADIUS	1.005	.953	.919
MAX RADIUS	1.352	1.450	1.304
HORIZONTAL SPREAD	2.030	2.030	2.030
VERTICAL SPREAD	2.616	2.616	2.039
EXTREME SPREAD	2.698	2.632	2.387
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

6 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225049.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.397

VS= 2.424

GS= 2.964

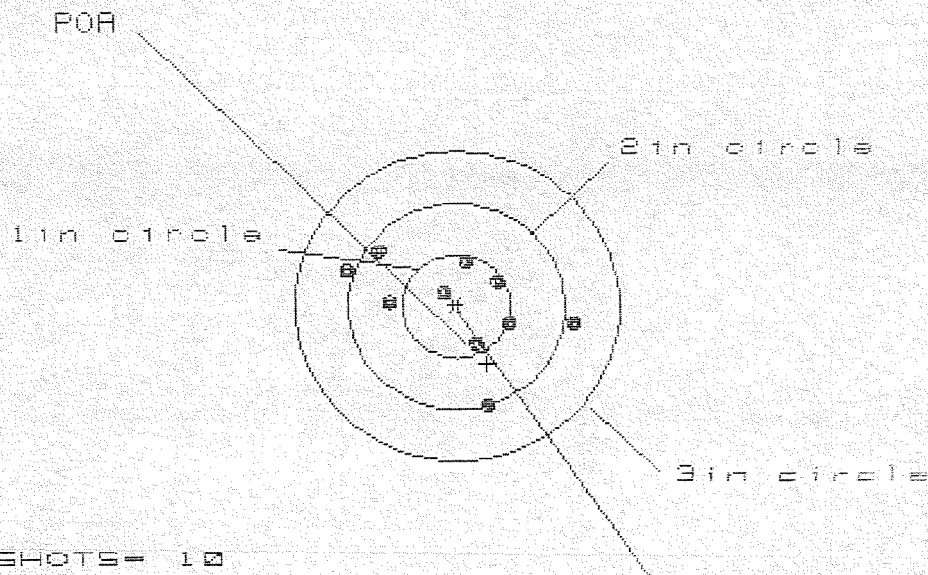
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.122	.773	.629
MINIMUM X	:	-1.275	-1.150	-1.013
MAXIMUM Y	:	1.120	.975	.968
MINIMUM Y	:	-1.304	-.961	-.968
CENTROID X	:	-.102	-.227	-.083
CENTROID Y	:	.337	.482	.489
POA TO CENTROID in.	:	.353	.533	.496
MIN RADIUS	:	.414	.377	.444
MEAN RADIUS	:	.961	.859	.810
MAX RADIUS	:	1.721	1.234	1.187
HORIZONTAL SPREAD	:	2.397	1.923	1.642
VERTICAL SPREAD	:	2.424	1.936	1.936
EXTREME SPREAD	:	2.964	2.284	2.284
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225049.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 2.184

VS= 1.441

GS= 2.234

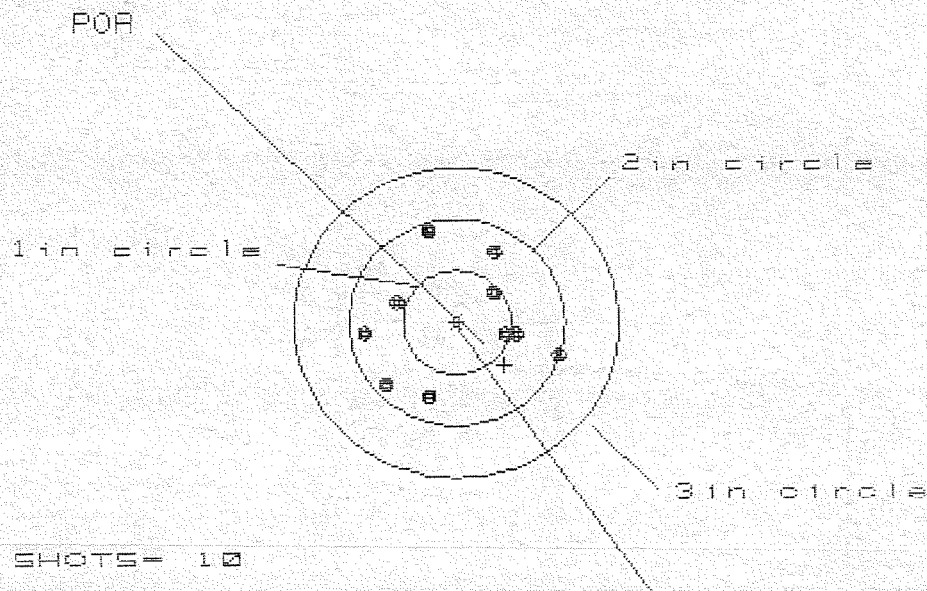
CENTROID *

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	.583	.466
MINIMUM X	-1.055	-.929	-.726
MAXIMUM Y	.511	.492	.527
MINIMUM Y	-.930	-.949	-.914
CENTROID X	-.280	-.406	-.289
CENTROID Y	.559	.578	.543
POA TO CENTROID in.	.625	.706	.615
MIN RADIUS	.167	.089	.171
MEAN RADIUS	.670	.611	.559
MAX RADIUS	1.142	1.029	.957
HORIZONTAL SPREAD	2.184	1.512	1.192
VERTICAL SPREAD	1.441	1.441	1.441
EXTREME SPREAD	2.234	1.809	1.759
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

5 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225049.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS = 1.847

VS = 1.587

GS = 1.858

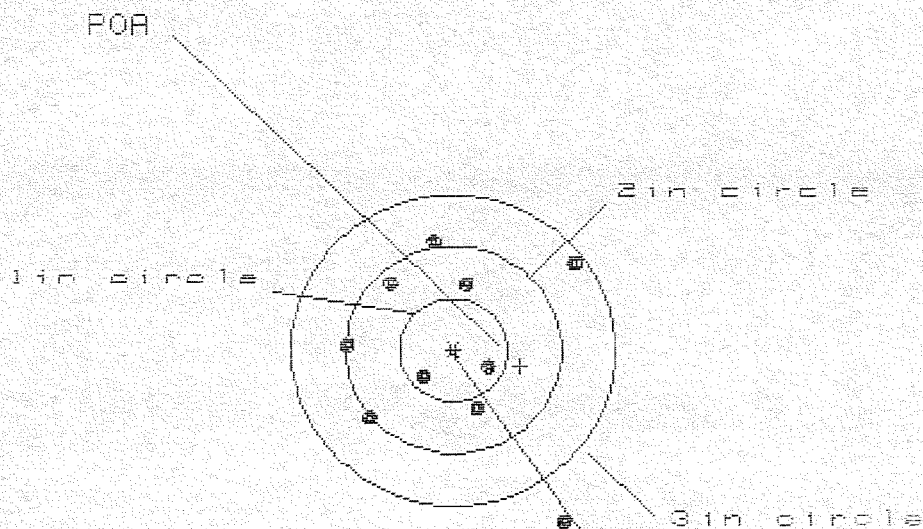
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	.606	.537
MINIMUM X	-.864	-.755	-.824
MAXIMUM Y	.874	.840	.755
MINIMUM Y	-.714	-.747	-.832
CENTROID X	-.444	-.553	-.484
CENTROID Y	.408	.442	.527
POA TO CENTROID in.	.603	.708	.716
MIN RADIUS	.453	.467	.448
MEAN RADIUS	.725	.692	.654
MAX RADIUS	1.027	.881	.855
HORIZONTAL SPREAD	1.847	1.361	1.361
VERTICAL SPREAD	1.587	1.587	1.587
EXTREME SPREAD	1.858	1.635	1.589
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225049.1.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.039

VS = 2.758

GS = 3.045

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.070	1.188	.564
MINIMUM X	-.970	-.851	-.703
MAXIMUM Y	1.071	.883	.965
MINIMUM Y	-1.688	-.803	-.721
CENTROID X	-.619	-.737	-.885
CENTROID Y	.153	.341	.259
POA TO CENTROID in.	.637	.812	.922
MIN RADIUS	.317	.455	.354
MEAN RADIUS	.916	.788	.702
MAX RADIUS	1.994	1.357	.966
HORIZONTAL SPREAD	2.039	2.039	1.267
VERTICAL SPREAD	2.758	1.686	1.686
EXTREME SPREAD	3.045	2.345	1.770
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

5000 Rd 2
ACCENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225049
7 Jun 1989

CENTROIDAL DISTANCES

0 TO	1	.832723
1 TO	2	.658927
1 TO	3	.78037
1 TO	4	.843342
1 TO	5	.926475

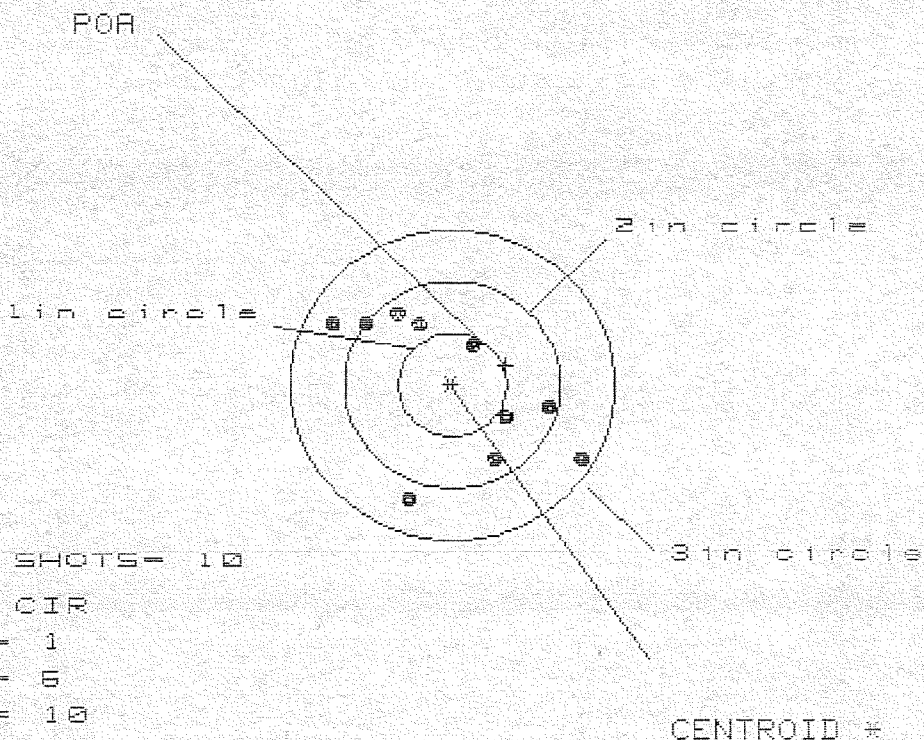
1
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3662
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0422
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .368623
THE AMR FOR THIS RIFLE IS: .7648

7 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225043.1.1.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.247

VS= 1.805

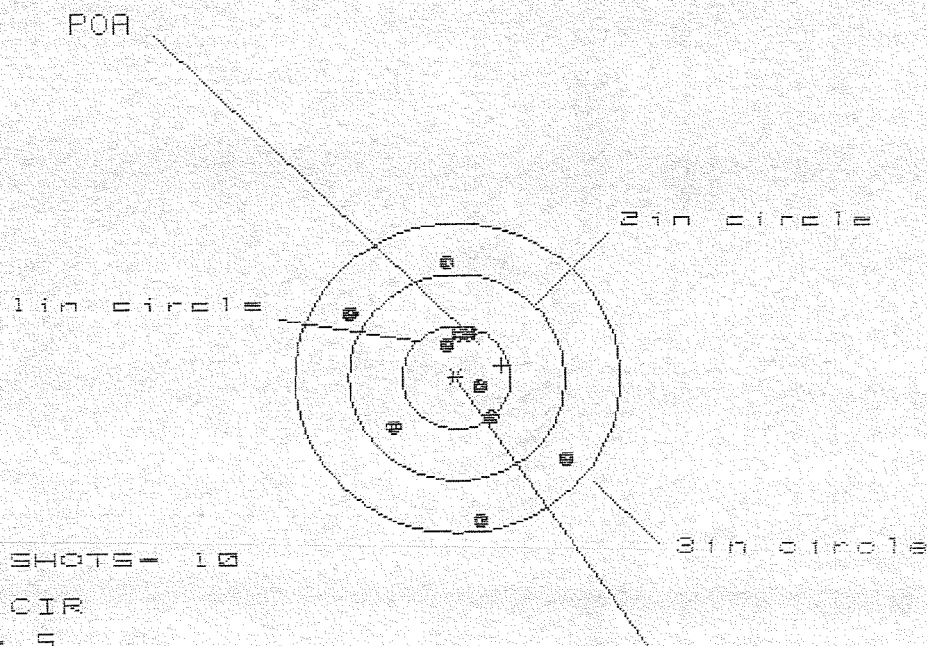
GS= 2.571

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.169	1.028	.910
MINIMUM X	-1.078	-.949	-.839
MAXIMUM Y	.700	.626	.691
MINIMUM Y	-1.105	-1.179	-1.114
CENTROID X	-.494	-.623	-.505
CENTROID Y	-.191	-.117	-.182
POA TO CENTROID in.	.529	.634	.537
MIN RADIUS	.455	.456	.451
MEAN RADIUS	.908	.850	.814
MAX RADIUS	1.343	1.207	1.178
HORIZONTAL SPREAD	2.247	1.977	1.749
VERTICAL SPREAD	1.805	1.805	1.805
EXTREME SPREAD	2.571	2.138	1.942
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225043.1.1.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 6

3 in = 10

HS= 1.944

VS= 2.413

GS= 2.429

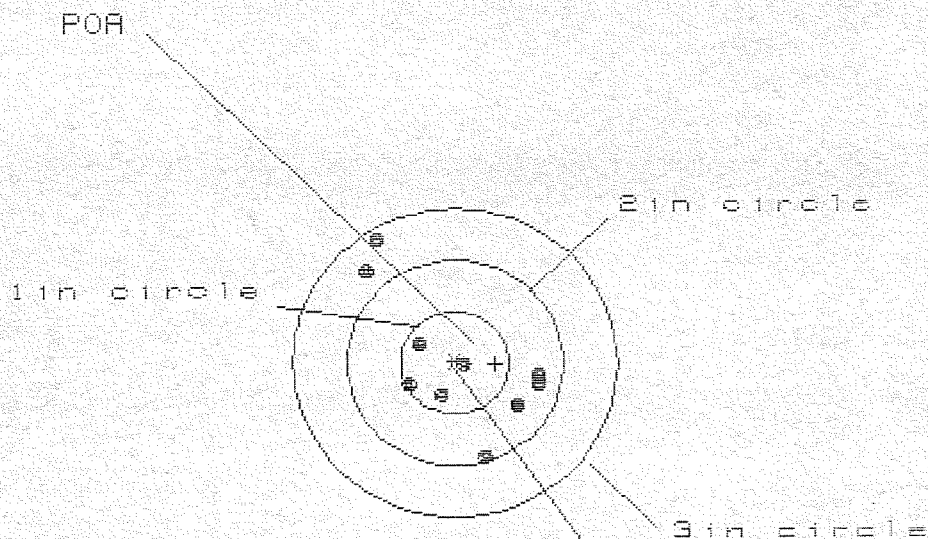
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.971	.989	.426
MINIMUM X	-.973	-.955	-.832
MAXIMUM Y	1.082	.934	.823
MINIMUM Y	-1.331	-.885	-.699
CENTROID X	-.411	-.429	-.552
CENTROID Y	-.121	.027	.138
POA TO CENTROID in.	.428	.430	.569
MIN RADIUS	.222	.190	.122
MEAN RADIUS	.745	.651	.559
MAX RADIUS	1.341	1.327	.923
HORIZONTAL SPREAD	1.944	1.944	1.258
VERTICAL SPREAD	2.413	1.819	1.522
EXTREME SPREAD	2.429	2.393	1.609
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8225049.1.1.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.631

VS= 2.112

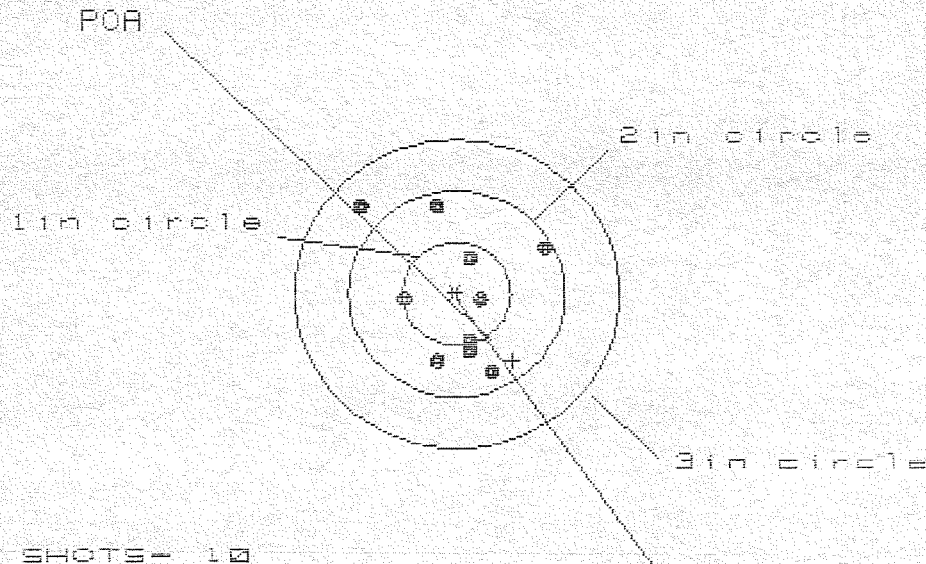
GS= 2.303

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.790	.713	.598
MINIMUM X	:	-.841	-.918	-.599
MAXIMUM Y	:	1.206	.984	.455
MINIMUM Y	:	-.906	-.772	-.649
CENTROID X	:	-.374	-.297	-.182
CENTROID Y	:	.009	-.125	-.248
POA TO CENTROID in.	:	.374	.322	.308
MIN RADIUS	:	.062	.093	.258
MEAN RADIUS	:	.712	.616	.523
MAX RADIUS	:	1.390	1.346	.709
HORIZONTAL SPREAD	:	1.631	1.631	1.197
VERTICAL SPREAD	:	2.112	1.756	1.104
EXTREME SPREAD	:	2.303	2.056	1.247
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225049.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.687

VS= 1.616

GS= 1.950

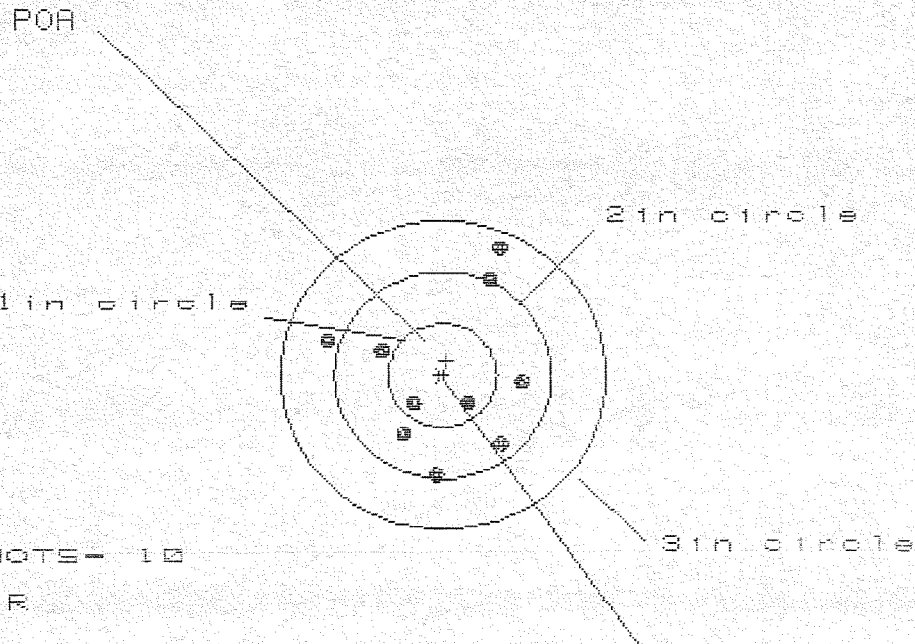
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.835	.741	.323
MINIMUM X	-.852	-.624	-.532
MAXIMUM Y	.859	.948	1.013
MINIMUM Y	-.757	-.668	-.603
CENTROID X	-.518	-.424	-.516
CENTROID Y	.652	.563	.498
POA TO CENTROID in.	.833	.704	.717
MIN RADIUS	.204	.111	.223
MEAN RADIUS	.663	.582	.536
MAX RADIUS	1.167	.989	1.031
HORIZONTAL SPREAD	1.687	1.365	.855
VERTICAL SPREAD	1.616	1.616	1.616
EXTREME SPREAD	1.950	1.695	1.695
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

7 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225049.J.I.I

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.792

VS= 2.154

GS= 2.239

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.767	.823	.702
MINIMUM X	-1.025	-.969	-.606
MAXIMUM Y	1.204	1.026	1.090
MINIMUM Y	-.950	-.816	-.752
CENTROID X	-.034	-.090	.031
CENTROID Y	-.138	-.272	-.336
POA TO CENTROID in.	.142	.287	.338
MIN RADIUS	.313	.287	.154
MEAN RADIUS	.796	.711	.645
MAX RADIUS	1.304	1.117	1.136
HORIZONTAL SPREAD	1.792	1.792	1.308
VERTICAL SPREAD	2.154	1.842	1.842
EXTREME SPREAD	2.239	1.908	1.908
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

SWS ENDURANCE TEST REPORT

SERIAL NO. C6225049 SHOOTER AC + DH DATE 5/22/89

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	30	OK	none
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	"	30	"	"
	TOTAL	420		
	7.62	60	5-23-89 - DH	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	TOTAL	360	"	"
	TOTAL	780		

SWS ENDURANCE TEST REPORT

SERIAL NO. C6225049 SHOOTER AC + D/H DATE 5/23/89

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	11	60	11	11
	7.62	60	OK	NONE 5/24/89
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	20	11	11
Total		560		
	7.62	60	11	5/25/89
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
TOTAL		480		
		1040		

SWS ENDURANCE TEST REPORT

SERIAL NO 06225049 SHOOTER ACT DIT DATE 6-1-89

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	30	11	11
	TOTAL	510		
	7.62	60	OK	NONE
	7.62	60	"	"
	7.62	60	"	11
	7.62	60	"	11
	7.62	60	"	"
	7.62	60	"	"
	7.62	60	"	11
	7.62	60	11	11
	7.62	40	11	11
	TOTAL	970		

June 2, 1989

SWS ENDURANCE TEST REPORT

SERIAL NO C6273049 SHOOTER ACT DH DATE 6-5-89

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	40	"	"
	TOTAL	340		
	TOTAL	4500		6/5/89
		60	TARGET	
		4560		6/5/89
	7.62	60	OK	NONE JUNE 6, 1989
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
		60		
		20		
	TOTAL	4940		
		60	TARGET	
	TOTAL	5000		

SWS ENDURANCE TEST REPORT

SERIAL NO. C6225049 SHOOTER AC & D&H DATE June 9, 1989

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK 6/12/89	NONE
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60 ^x	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	40	11	11
	TOTAL	1000	6/12/89	
		<u>7000</u>		

SWS ENDURANCE TEST REPORT

 SERIAL NO. C6225049 SHOOTER AC & DH DATE JUNE 13, 1989

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	TOTAL	360	6/13/89	
	7.62	60	OK	NONE
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	40	"	"
	TOTAL	640	6/14/89	
		1000		
		8000		

SWS ENDURANCE TEST REPORT

SERIAL NO. C6225049 SHOOTER AC & DH DATE JUNE 15, 1989

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60+	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	60	"	"
	"	40	"	"
		1000		
		8000		
	total	9000		

SWS ENDURANCE TEST REPORT

SERIAL NO CG225049SHOOTER ACT DHDATE 6/16/89

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	NONE
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	60	11	11
	11	40	11	11
	TOTAL	1000		
		9000		
		10,000		
			6/16/89	

C 6275 049

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. _____

DATE 4/28/89TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.13	2.10	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.15	2.06	2.47	
PULL #3	2.44	2.00	2.11	2.65	
PULL #4	2.39	2.11	2.10	2.60	
PULL #5	2.30	2.13	2.10	2.68	
TOTAL	12.01	10.52	10.47	12.90	
AVG.	2.40	2.10	2.09	2.58	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.31		
PULL #2	3.11	2.93		
PULL #3	3.13	3.02		
PULL #4	3.16	3.09		
PULL #5	3.13	3.09		
TOTAL	15.65	15.44		
AVG.	3.13	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.14		4.33
PULL #2	4.22	4.22		4.37
PULL #3	4.20	4.16		4.39
PULL #4	4.25	4.21		4.36
PULL #5	4.16	4.22		4.36
TOTAL	21.07	20.95		21.81
AVG.	4.21	4.13		4.36