

C6523539

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead[®]

BARBER - M24-0029902

ORDER
94-18152

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

S/N 90 0959

NATO

SHIP TO:

AL 36201-5025

36201-5025

CUST NO: 098397 CJO.DL

WRITE

VIA

First

☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

TOTAL	100
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ANALYSIS

MAIN FAULT

COMMENTS

- ✓ Barrel
- ✓ Stock
- ✓ Trigger Assy
- ✓ Mag Spring
- ✓ Front Sight Assy
- ✓ Rear Sight Assy

REPAIRMAN	PROOF	CLEAN	TEST WB	TARGET WB	PATTERN
GALLERY TESTER	DATE	DATE	DATE 4/13/96	DATE 4/13/96	DATE

RD6925 REV. 1/94

BARBER - M24 002998229941

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

SERIAL NO. C6523539DATE 4-11-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.61	2.68		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.55	2.77		
PULL #3	2.63	2.53	2.80		
PULL #4	2.59	2.48	2.90		
PULL #5	2.67	2.60	2.52		
TOTAL	12.97	12.77	13.67		
AVG.	2.59	2.55	2.73		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.21		
PULL #2	3.28	3.17		
PULL #3	3.05	3.28		
PULL #4	3.23	3.34		
PULL #5	3.13	3.31		
TOTAL	15.81	16.31		
AVG.	3.16	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.14		4.23
PULL #2	4.28	4.23		4.07
PULL #3	4.39	4.21		4.24
PULL #4	4.00	4.00		4.27
PULL #5	4.31	4.13		4.06
TOTAL	21.26	20.71		20.87
AVG.	4.25	4.14		4.17

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523539
11 Feb 1900

CENTROIDAL DISTANCES

Ø TO	1	.792602
1 TO	2	.251909
1 TO	3	.112089
1 TO	4	.436771
1 TO	5	.144201

25
+ + <----POA

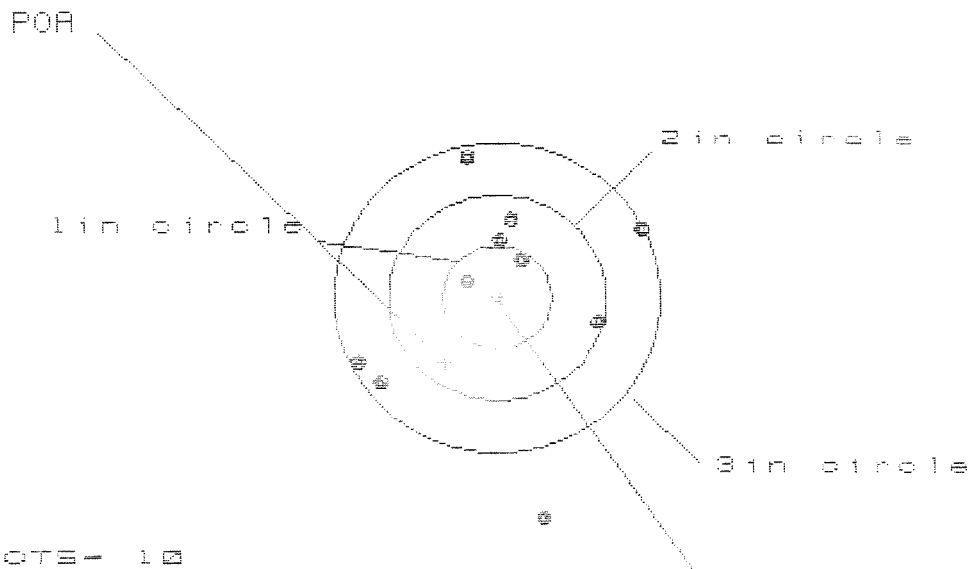
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5156
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5222
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .73385

THE AMR FOR THIS RIFLE IS: 1.059

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CS523539

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 3

HS= 2.636

VS= 3.523

GS= 3.607

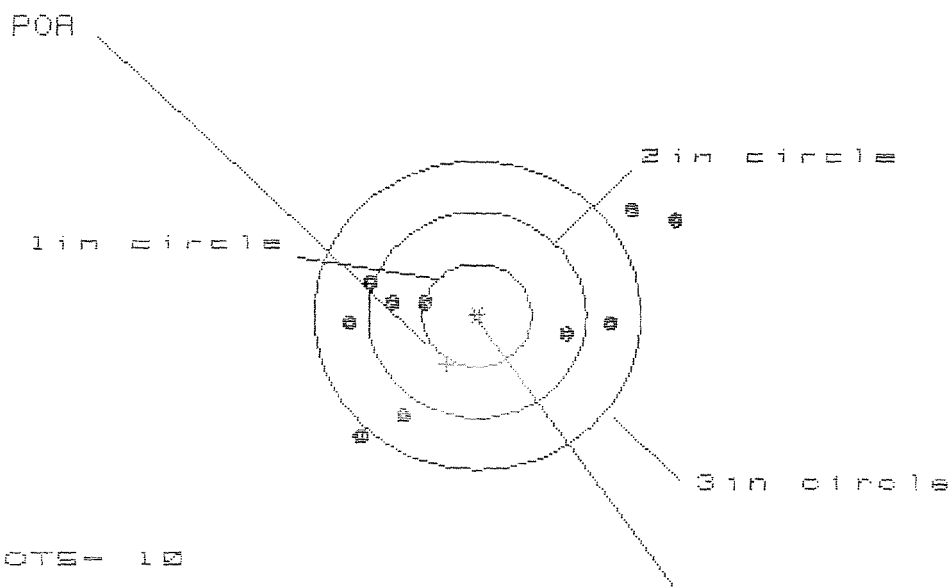
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.332	1.384	1.106
MINIMUM X	-1.304	-1.252	-1.079
MAXIMUM Y	1.358	1.118	1.173
MINIMUM Y	2.165	-1.100	-1.045
CENTROID X	.477	.425	.252
CENTROID Y	.633	.873	.818
POA TO CENTROID in.	.792	.971	.856
MIN RADIUS	.316	.262	.085
MEAN RADIUS	1.097	.906	.845
MAX RADIUS	2.214	1.525	1.354
HORIZONTAL SPREAD	2.636	2.636	2.185
VERTICAL SPREAD	3.523	2.218	2.218
EXTREME SPREAD	3.607	2.945	2.351
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523539

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 2.828

VS = 2.205

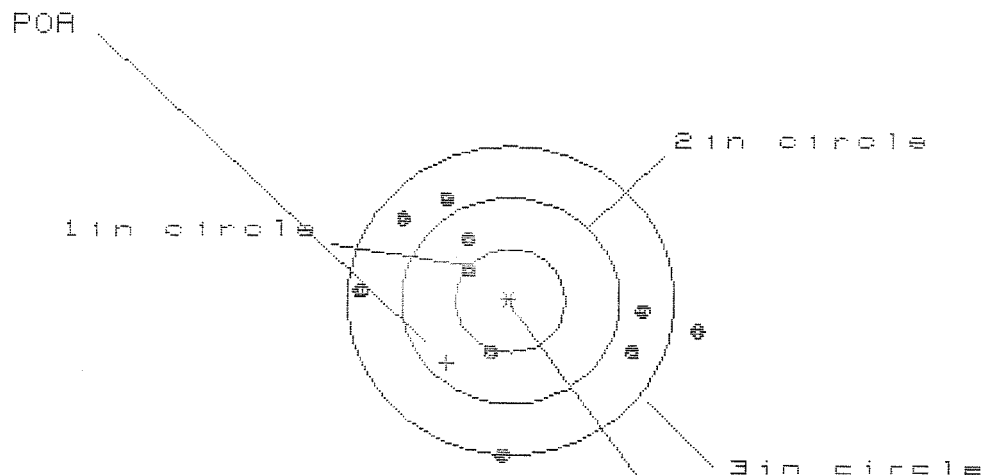
GS = 3.538

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.795	1.578	1.577
MINIMUM X	:	-1.144	-.944	-.747
MAXIMUM Y	:	1.020	1.119	.611
MINIMUM Y	:	-1.185	-1.086	-.946
CENTROID X	:	.280	.080	-.117
CENTROID Y	:	.476	.377	.237
POA TO CENTROID in.	:	.552	.385	.264
MIN RADIUS	:	.537	.390	.379
MEAN RADIUS	:	1.198	1.058	.897
MAX RADIUS	:	2.007	1.935	1.586
HORIZONTAL SPREAD	:	2.939	2.522	2.324
VERTICAL SPREAD	:	2.205	2.205	1.557
EXTREME SPREAD	:	3.538	3.292	2.508
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523539

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.071

VS= 2.502

GS= 3.105

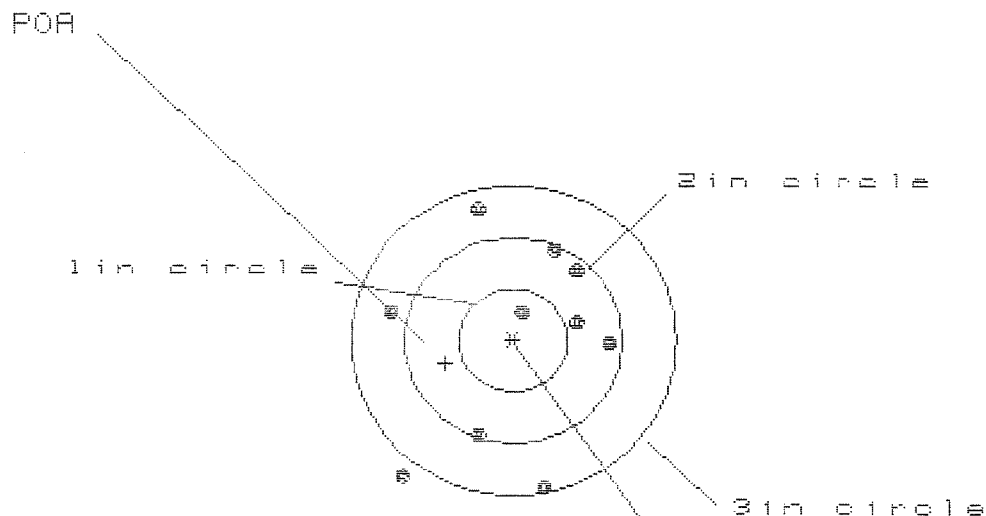
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.681	1.368	1.383
MINIMUM X	-1.390	-1.204	-1.189
MAXIMUM Y	1.032	.935	.806
MINIMUM Y	-1.470	-1.507	-.743
CENTROID X	.585	.399	.384
CENTROID Y	.603	.640	.829
POR TO CENTROID in.	.840	.754	.913
MIN RADIUS	.500	.332	.221
MEAN RADIUS	1.121	1.019	.921
MAX RADIUS	1.713	1.512	1.535
HORIZONTAL SPREAD	3.071	2.572	2.572
VERTICAL SPREAD	2.502	2.502	1.549
EXTREME SPREAD	3.105	2.611	2.611
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523583

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.045

VS = 2.752

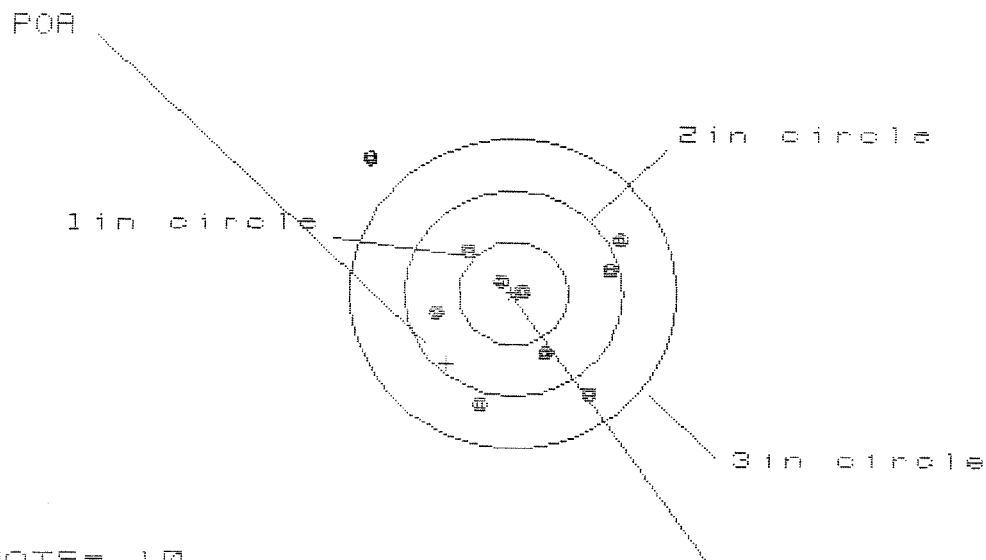
GS = 2.804

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.877
MINIMUM X	-1.168
MAXIMUM Y	1.311
MINIMUM Y	-1.441
CENTROID X	.622
CENTROID Y	.221
POA TO CENTROID in.	.660
MIN RADIUS	.275
MEAN RADIUS	1.024
MAX RADIUS	1.643
HORIZONTAL SPREAD	2.045
VERTICAL SPREAD	2.752
EXTREME SPREAD	2.804
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523539

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.346

VS = 2.387

GS = 3.103

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.024	.878	.944
MINIMUM X	-1.321	-.867	-.801
MAXIMUM Y	1.357	.694	.586
MINIMUM Y	-1.030	-.879	-.987
CENTROID X	.614	.760	.694
CENTROID Y	.678	.527	.635
POA TO CENTROID in.	.914	.925	.940
MIN RADIUS	.085	.225	.102
MEAN RADIUS	.853	.748	.686
MAX RADIUS	1.894	1.119	1.111
HORIZONTAL SPREAD	2.346	1.745	1.745
VERTICAL SPREAD	2.387	1.573	1.573
EXTREME SPREAD	3.103	2.085	2.085
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523539

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

op. #	BARBER - M24 0029911 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/6/96	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			5/6/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.85	2.75	2.74	2.75	2.79	4/17/96	WB
	C) Function							
660	Pack							

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

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

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

MODEL 700™ M24

SERIAL NO. C6523539

ORDER NO. 5716

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

Ø1



5716 C6523539

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523539

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KA
600	Proof		10/1/90	KA
607	Check Headspace		10/1/90	KA
610	Dis-assemble Gun		10/1/90	KA
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	W.B.
617	Drill and Tap Sight Holes		10/4/90	W.B.
618	Polish Barrel W.B.		10/5/90	W.B.
620	Apply Coatings (Barrel Action)		10-20-90	W.B.
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	KA
	C) Inspect Ejector Hole for Chamfer		10/21/90	KA
	D) Oil Firing Pin Ass'y		10/21/90	KA
	E) Adjust Trigger Pull to Min Setting and Stake		11/3/90	W.B.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.15	4.50	5.0			11-2-90	KT
	G) Safety Off Force	2.50	2.50	2.75			11-2-90	KT
	H) Trigger Pull Test & Retainability						11/3/90	KT
	I) Firing Pin Indent	.028	.026	.026			11-2-90	KT
	J) Assemble Stock						11-3-90	KT
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11-3-90	KT
	M) Iron Sight Alignment						11-3-90	KT
	N) Detach Front & Rear Sights & place in numbered container						11-3-90	KT
	O) Attach Scope to Rifle						11-3-90	KT
	P) Detach & Attach Scope 20 Times						11-3-90	KT
640	Gallery Target & Test						11-5-90	AC
	A) Time						11-5-90	AC
	B) Malfunctions						11-5-90	AC
	C) Pierced Primers						11-5-90	AC
	D) Optical Clarity of Scope						11-5-90	AC
645	Inspect for Live Ammo						11-5-90	AC
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	265	269	267	273	271	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12-19-90	DH

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

SERIAL NO. C6523539DATE 11/3/90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.16	2.50	265	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.16	2.33	269	
PULL #3	2.26	2.49	2.21	267	
PULL #4	2.24	2.38	2.19	273	
PULL #5	2.23	2.40	2.27	271	
TOTAL	11.34	11.59	11.50		
AVG.	2.268	2.318	2.3		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.39		
PULL #2	3.17	3.50		
PULL #3	3.50	3.20		
PULL #4	3.51	3.45		
PULL #5	3.20	3.37		
TOTAL	16.74	16.91		
AVG.	3.348	3.382		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.42		4.11
PULL #2	4.31	4.34		4.32
PULL #3	4.30	4.30		4.28
PULL #4	4.44	4.43		4.42
PULL #5	4.46	4.30		4.34
TOTAL	21.82	21.79		21.47
AVG.	4.364	4.358		4.294

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523539
5 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.215928
1 TO	2	.142285
1 TO	3	.320258
1 TO	4	.159806
1 TO	5	.347333

~~34~~ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0834
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .088
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121242
THE AMR FOR THIS RIFLE IS: .897

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523539

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.804

VS= 1.903

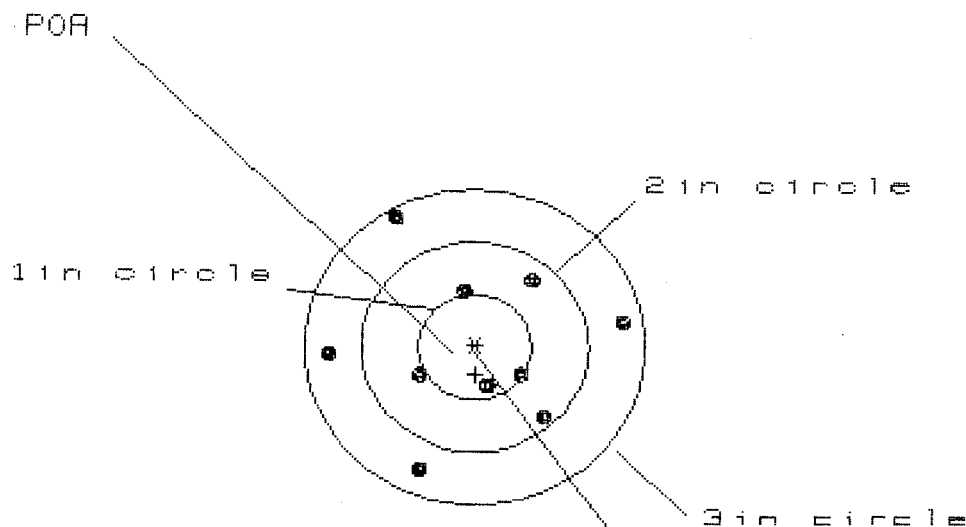
GS= 2.907

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.458	1.308	1.276
MINIMUM X	-1.346	-.918	-.754
MAXIMUM Y	.818	.730	.748
MINIMUM Y	-1.085	-.995	-.977
CENTROID X	.113	.263	.099
CENTROID Y	.184	.094	.076
POA TO CENTROID in.	.216	.279	.125
MIN RADIUS	.364	.463	.316
MEAN RADIUS	.941	.876	.781
MAX RADIUS	1.575	1.331	1.479
HORIZONTAL SPREAD	2.804	2.226	2.030
VERTICAL SPREAD	1.903	1.725	1.725
EXTREME SPREAD	2.907	2.536	2.536
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523539

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.599

VS= 2.419

GS= 2.616

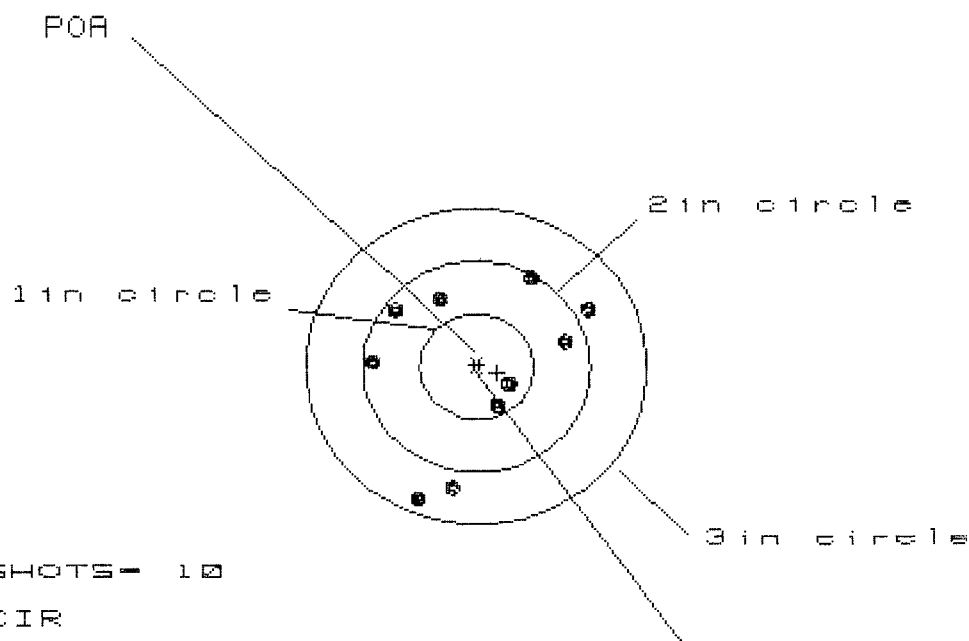
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.351	1.277	.682
MINIMUM X	:	-1.248	-1.322	-1.162
MAXIMUM Y	:	1.268	.826	.875
MINIMUM Y	:	-1.151	-1.010	-.961
CENTROID X	:	-.006	.067	-.093
CENTROID Y	:	.262	.121	.072
POA TO CENTROID in.	:	.262	.138	.118
MIN RADIUS	:	.326	.178	.201
MEAN RADIUS	:	.897	.813	.743
MAX RADIUS	:	1.429	1.336	1.171
HORIZONTAL SPREAD	:	2.599	2.599	1.844
VERTICAL SPREAD	:	2.419	1.836	1.836
EXTREME SPREAD	:	2.616	2.616	2.099
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523539

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.828

VS= 2.088

GS= 2.323

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.946	.888	.853
MINIMUM X	:	-.882	-.940	-.975
MAXIMUM Y	:	.833	.694	.534
MINIMUM Y	:	-1.255	-1.279	-.681
CENTROID X	:	-.181	-.123	-.088
CENTROID Y	:	.057	.196	.356
POA TO CENTROID in.	:	.189	.232	.367
MIN RADIUS	:	.313	.348	.463
MEAN RADIUS	:	.866	.799	.726
MAX RADIUS	:	1.357	1.311	1.000
HORIZONTAL SPREAD	:	1.828	1.828	1.828
VERTICAL SPREAD	:	2.088	1.973	1.215
EXTREME SPREAD	:	2.323	2.103	1.882
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523539

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 8

3in = 10

HS= 1.733

VS= 1.844

GS= 2.281

PATTERN #

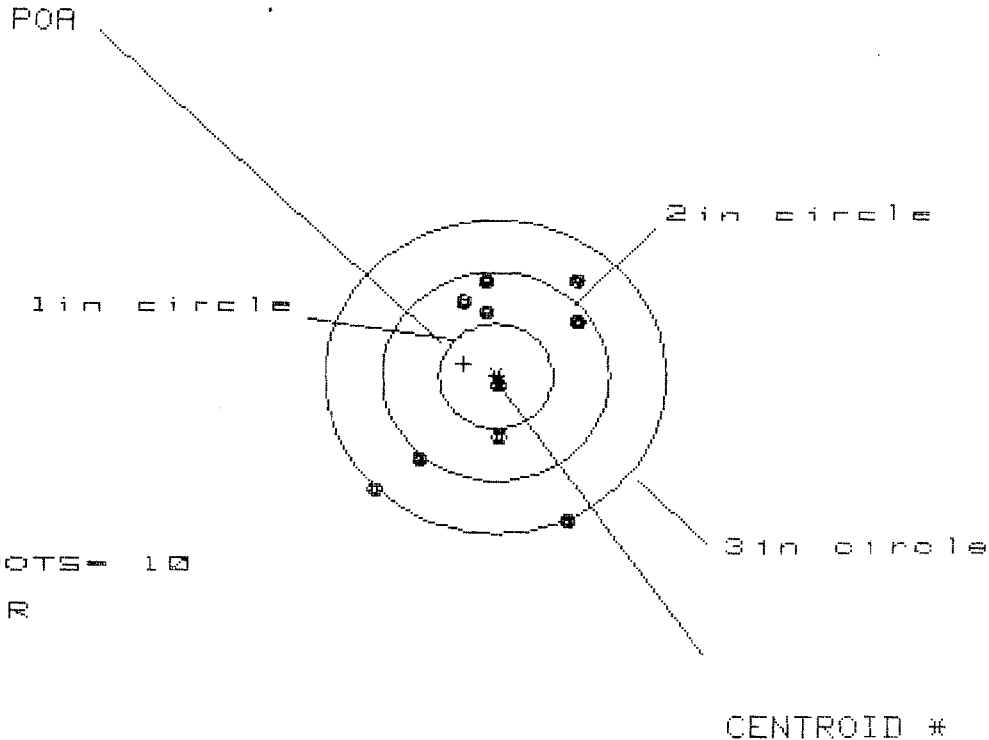
4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.893	.800	.634
MINIMUM X	:	-.840	-.847	-.747
MAXIMUM Y	:	.936	1.037	.977
MINIMUM Y	:	-.908	-.807	-.867
CENTROID X	:	.210	.303	.203
CENTROID Y	:	.057	-.044	.016
POA TO CENTROID in.	:	.218	.306	.204
MIN RADIUS	:	.549	.502	.567
MEAN RADIUS	:	.863	.805	.792
MAX RADIUS	:	1.234	1.042	.977
HORIZONTAL SPREAD	:	1.733	1.647	1.381
VERTICAL SPREAD	:	1.844	1.844	1.844
EXTREME SPREAD	:	2.281	1.938	1.865
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523539

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.785

VS= 2.280

GS= 2.726

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.747	.632	.692
MINIMUM X	:	-1.038	-.833	-.773
MAXIMUM Y	:	.947	.823	.641
MINIMUM Y	:	-1.333	-1.457	-1.063
CENTROID X	:	.281	.396	.336
CENTROID Y	:	-.120	.004	.186
POA TO CENTROID in.	:	.305	.396	.384
MIN RADIUS	:	.100	.214	.367
MEAN RADIUS	:	.918	.837	.720
MAX RADIUS	:	1.522	1.535	1.314
HORIZONTAL SPREAD	:	1.785	1.465	1.465
VERTICAL SPREAD	:	2.280	2.280	1.704
EXTREME SPREAD	:	2.726	2.380	2.247
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		