

C6523396

MODEL 700TM M24

Model **SMS**TM

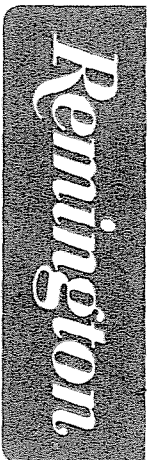
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

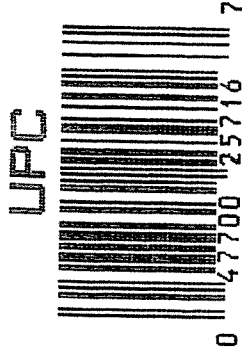
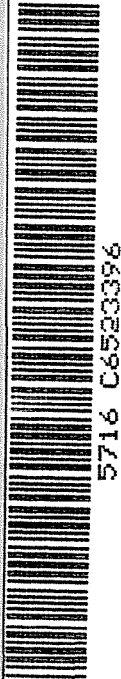
MODEL 700TM M24

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

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

SERIAL NO. C6523396	ORDER NO. 5716
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01



Stock CH4Pro
New S&W Base

MOD. _____ GA. _____ GUN # 652396
CAL. _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Shaver brass	RW
	2nd	OK AC 100 Rds	
	3rd	Oct 31, 1971	
	4th		

FUNCTION RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Ream Ejector Hole 9 Polish Ejector	10/
TEST		50/
TGT		40
PROOF		Res
TEST		
TGT		200
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523396

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 24 90		RW
600	Proof	9 24 90		RW
607	Check Headspace	9 24 90		RW
610	Dis-assemble Gun	9 24 90		RW
612	Magnaflux Barrel Action		9-25-90	RW
	Magnaflux Bolt		9-25-90	K.R.
615	Rollmark Caliber		9-25-90	G.S.
617	Drill and Tap Sight Holes		9-25-90	FB
618	Polish Barrel RB		9/28/90	WB
620	Apply Coatings (Barrel Action)		10-2-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/8/90	RW
	C) Inspect Ejector Hole for Chamfer		10/8/90	RW
	D) Oil Firing Pin Ass'y		10/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/15/90	TH

	ST. NAME	READINGS					DATE	I
625 cont.	F) Safety On Force	4	4	4			10/16/90	MB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			10/16/90	MB
	H) Trigger Pull Test & Retainability						10/15/90	MB
	I) Firing Pin Indent	.021	.021	.021			10/16/90	MB
	J) Assemble Stock						10/16/90	RW
	K) Assemble Swivel Studs						11-20-90	JS
	L) Attach Front and Rear Sight Assemblies						10/16/90	RW
	M) Iron Sight Alignment						10/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/16/90	RW
	O) Attach Scope to Rifle						10/16/90	RW
	P) Detach & Attach Scope 20 Times						10/16/90	RW
640	Gallery Target & Test						10-19-90	DH
	A) Time						10-19-90	DH
	B) Malfunctions						10-19-90	DH
	C) Pierced Primers						10-19-90	DH
	D) Optical Clarity of Scope						10-19-90	DH
645	Inspect for Live Ammo						10-19-90	DH
655	Final Inspection							
	A) Headspace						11-20-90	JS
	B) Trigger Pull	277	277	278	278	281	11-20-90	JS
	C) Function						11-20-90	JS
660	Pack						12/14/90	NE

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523396

DATE 10/15/90

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.31	2.32	2.77	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.31	2.33	2.77	
PULL #3	2.43	2.38	2.30	2.78	
PULL #4	2.19	2.26	2.39	2.78	
PULL #5	2.30	2.33	2.18	2.81	
TOTAL	11.81	11.59	11.52		
AVG.	2.362	2.318	2.304		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.24		
PULL #2	3.31	3.23		
PULL #3	3.29	3.25		
PULL #4	3.24	3.29		
PULL #5	3.17	3.28		
TOTAL	16.3	16.29		
AVG.	3.26	3.258		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.32		4.34
PULL #2	4.28	4.30		4.31
PULL #3	4.32	4.29		4.33
PULL #4	4.36	4.26		4.33
PULL #5	4.33	4.33		4.33
TOTAL	21.53	21.50		21.64
AVG.	4.306	4.3		4.328

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523396
22 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.270858
1 TO	2	.311219
1 TO	3	.44553
1 TO	4	.391261
1 TO	5	.296624

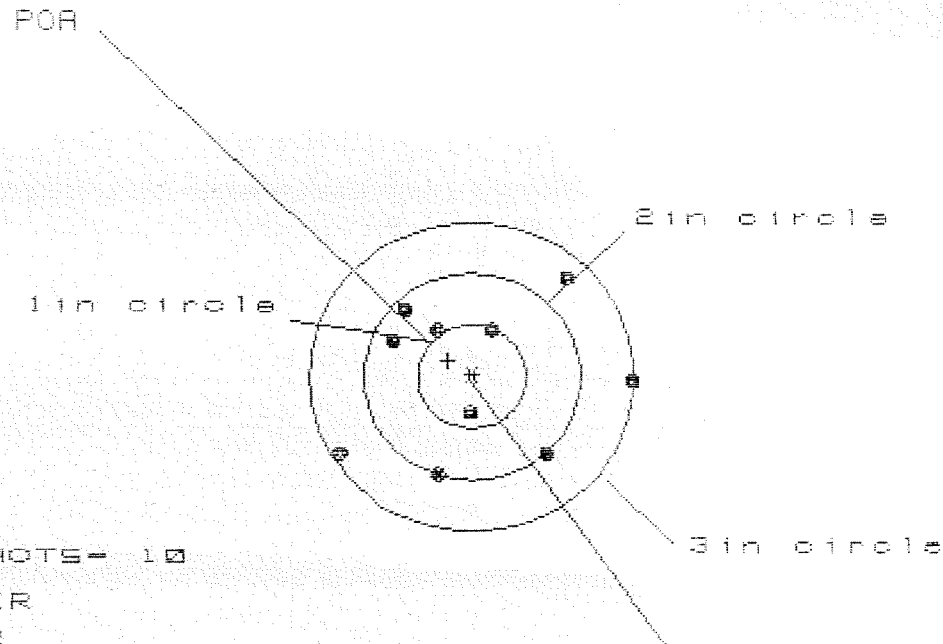
 <----PDR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0058
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0036
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .00682642
THE AMR FOR THIS RIFLE IS: .9114

22 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06523396

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.716

VS= 1.909

GS= 2.798

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.517	1.046	.917
MINIMUM X	-1.199	-1.030	-.729
MAXIMUM Y	.953	.949	.861
MINIMUM Y	-.956	-.960	-1.048
CENTROID X	.220	.051	.180
CENTROID Y	-.158	-.154	-.066
POA TO CENTROID in.	.270	.162	.192
MIN RADIUS	.377	.394	.430
MEAN RADIUS	.943	.859	.804
MAX RADIUS	1.518	1.412	1.258
HORIZONTAL SPREAD	2.716	2.076	1.646
VERTICAL SPREAD	1.909	1.909	1.909
EXTREME SPREAD	2.798	2.656	2.227
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

22 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523396

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.155

VS = 2.748

GS = 2.834

CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.538	.560	.500
MINIMUM X	-.617	-.595	-.655
MAXIMUM Y	1.266	1.102	.985
MINIMUM Y	-1.482	-.939	-.801
CENTROID X	-.031	-.053	.007
CENTROID Y	.026	.190	.052
POA TO CENTROID in.	.040	.197	.053
MIN RADIUS	.276	.302	.248
MEAN RADIUS	.819	.739	.667
MAX RADIUS	1.494	1.201	1.026
HORIZONTAL SPREAD	1.155	1.155	1.155
VERTICAL SPREAD	2.748	2.041	1.786
EXTREME SPREAD	2.834	2.209	1.786
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

22 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523396

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

CENTROID #

HS = 2.169

VS = 2.401

GS = 2.498

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.250
MINIMUM X	-.919
MAXIMUM Y	1.362
MINIMUM Y	-1.039
CENTROID X	-.219
CENTROID Y	-.082
POA TO CENTROID in.	.234
MIN RADIUS	.374
MEAN RADIUS	.871
MAX RADIUS	1.396
HORIZONTAL SPREAD	2.169
VERTICAL SPREAD	2.401
EXTREME SPREAD	2.498
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	10

22 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523396

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

CENTROID *

HE= 1.986

VS= 2.742

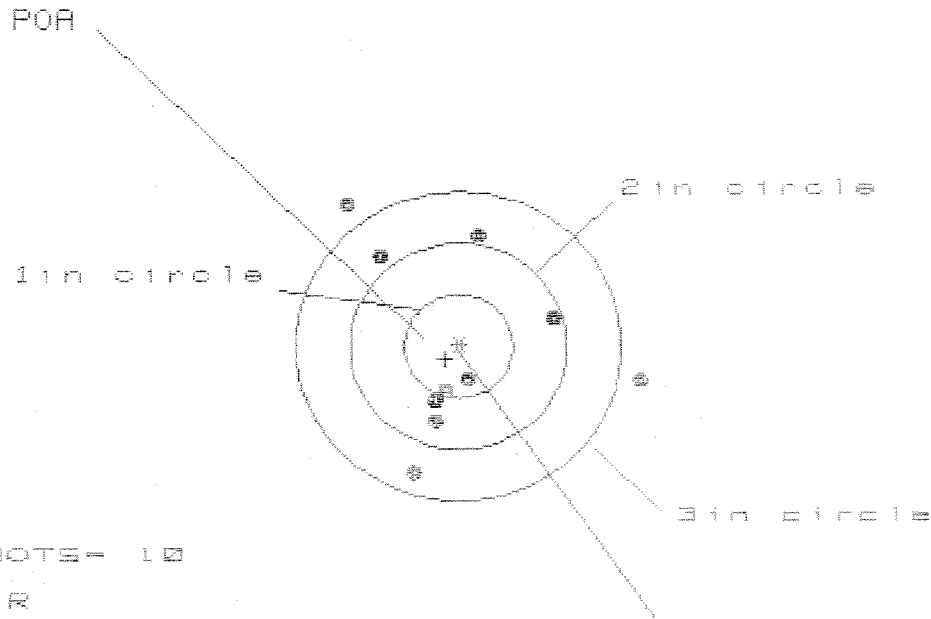
GS= 2.842

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.210	1.123	1.109
MINIMUM X	:	-.776	-.781	-.795
MAXIMUM Y	:	1.323	.879	.720
MINIMUM Y	:	-1.419	-1.272	-.826
CENTROID X	:	-.066	.021	.035
CENTROID Y	:	.109	-.038	.121
POA TO CENTROID in.	:	.127	.043	.126
MIN RADIUS	:	.375	.516	.468
MEAN RADIUS	:	.927	.854	.798
MAX RADIUS	:	1.534	1.426	1.322
HORIZONTAL SPREAD	:	1.986	1.904	1.904
VERTICAL SPREAD	:	2.742	2.151	1.546
EXTREME SPREAD	:	2.842	2.481	1.971
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523396

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.751

VS= 2.578

GS= 3.242

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.678	1.558	.922
MINIMUM X	:	-1.073	-.865	-.678
MAXIMUM Y	:	1.389	1.207	1.185
MINIMUM Y	:	-1.189	-1.034	-1.056
CENTROID X	:	.125	.245	.058
CENTROID Y	:	.123	-.032	-.018
POA TO CENTROID in.	:	.175	.247	.051
MIN RADIUS	:	.349	.285	.245
MEAN RADIUS	:	.997	.874	.767
MAX RADIUS	:	1.756	1.568	1.229
HORIZONTAL SPREAD	:	2.751	2.423	1.592
VERTICAL SPREAD	:	2.578	2.241	2.241
EXTREME SPREAD	:	3.242	2.715	2.327
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18327

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

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

SCOPE 0486

DATE RECEIVED 06/11/94 DATE OPENED 06/11/94 DATE CODE SERIAL NUMBER C6523396 NEW SERIAL NUMBER MODEL AND GRADE 700 7.62 NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL
36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN AMMO FUNCTION FINISH ACCURACY FIT INSPECT

CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

✓ Barrel 643.42
✓ Stock 471.11
Trigger Assy 173.31
✓ Firing pin Assy 9.96
✓ Mag Spring 1.76
CTI 50.00
\$1349.50

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400027395

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523396

DATE 11-15-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.57	2.63	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.64	2.69	
PULL #3	2.53	2.69	2.69	
PULL #4	2.60	2.59	2.62	
PULL #5	2.60	2.64	2.65	
TOTAL	12.91	13.19	13.10	
AVG.	2.58	2.63	2.62	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.05	3.00	
PULL #2	3.10	3.04	
PULL #3	3.17	3.03	
PULL #4	3.07	3.03	
PULL #5	3.08	3.00	
TOTAL	15.47	15.10	
AVG.	3.09	3.02	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.08		4.04
PULL #2	4.05	4.09		4.10
PULL #3	4.13	4.05		4.18
PULL #4	4.13	4.12		4.24
PULL #5	4.10	4.06		4.17
TOTAL	20.51	20.46		20.73
AVG.	4.10	4.08		4.14

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 65 23396

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. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			3/7	AC
	G) Safety Off Force	3	3	3			3/7	AC
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.0205	.020			3/7	AC
	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	2.59	2.65	2.55	2.62	2.58	3/1/96	W3
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523396
2 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.03373
1 TO	2	.243666
1 TO	3	.25824
1 TO	4	.576453
1 TO	5	.493171

3
4
+ <----POA

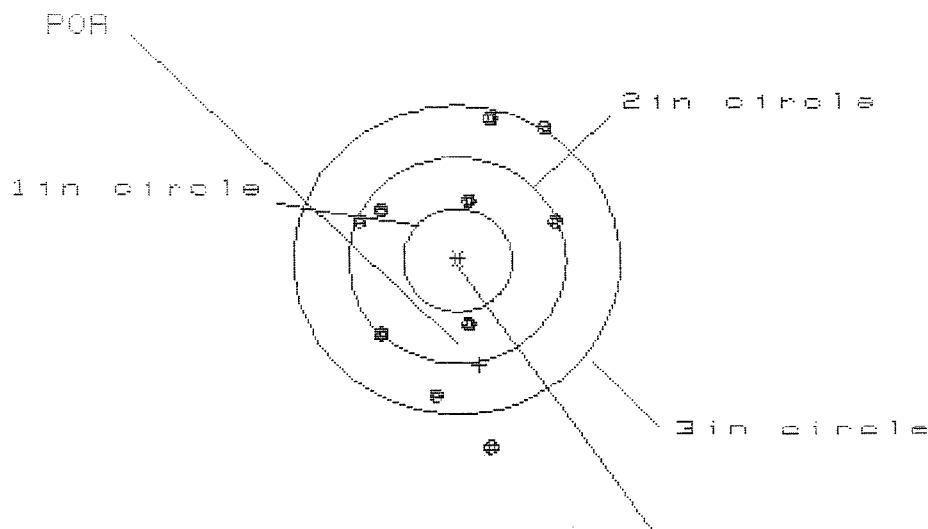
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2002
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .899
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .921022

THE AMR FOR THIS RIFLE IS: .9912

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523396

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 1.798

VS= 3.190

GS= 3.190

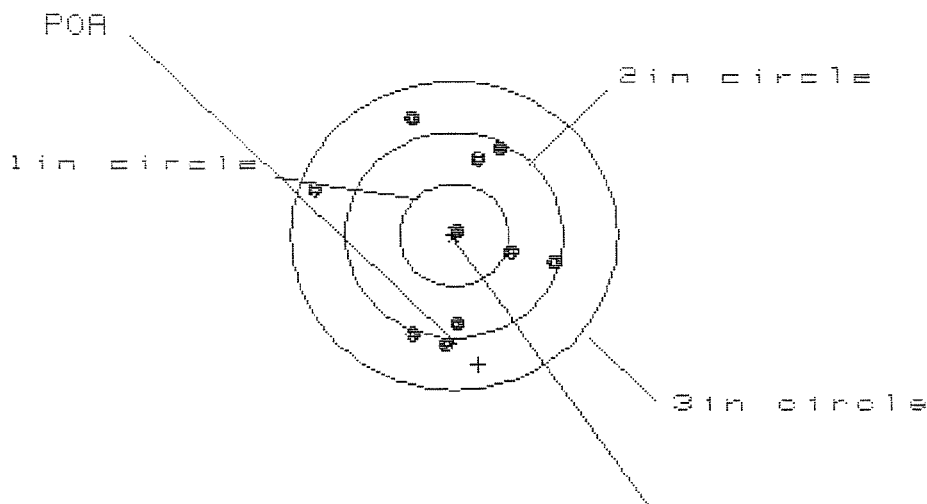
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.910	.943	1.045
MINIMUM X	:	-.888	-.855	-.753
MAXIMUM Y	:	1.382	1.181	1.311
MINIMUM Y	:	-1.808	-1.549	-1.419
CENTROID X	:	-.201	-.234	-.336
CENTROID Y	:	1.014	1.215	1.085
POA TO CENTROID in.	:	1.034	1.238	1.136
MIN RADIUS	:	.547	.357	.516
MEAN RADIUS	:	1.105	.997	.951
MAX RADIUS	:	1.832	1.556	1.420
HORIZONTAL SPREAD	:	1.798	1.798	1.798
VERTICAL SPREAD	:	3.190	2.730	2.730
EXTREME SPREAD	:	3.190	2.781	2.781
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523396

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.127

VS= 2.241

GS= 2.267

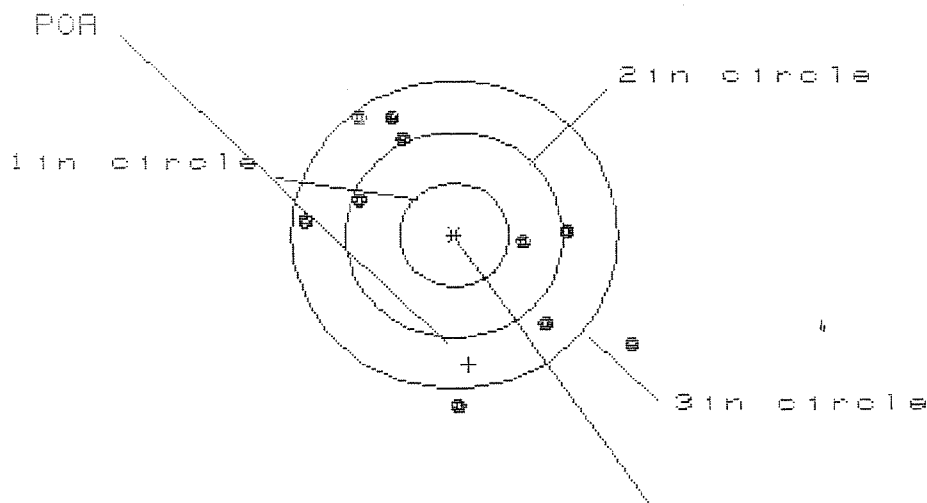
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.876	.737	.673
MINIMUM X	:	-1.251	-.552	-.616
MAXIMUM Y	:	1.177	1.227	1.017
MINIMUM Y	:	-1.064	-1.014	-.861
CENTROID X	:	-.219	-.080	-.016
CENTROID Y	:	1.257	1.207	1.054
POA TO CENTROID in.	:	1.276	1.210	1.054
MIN RADIUS	:	.069	.190	.283
MEAN RADIUS	:	.875	.810	.732
MAX RADIUS	:	1.328	1.329	1.050
HORIZONTAL SPREAD	:	2.127	1.289	1.289
VERTICAL SPREAD	:	2.241	2.241	1.878
EXTREME SPREAD	:	2.267	2.267	1.974
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523396

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 8

HS= 3.068

VS= 2.867

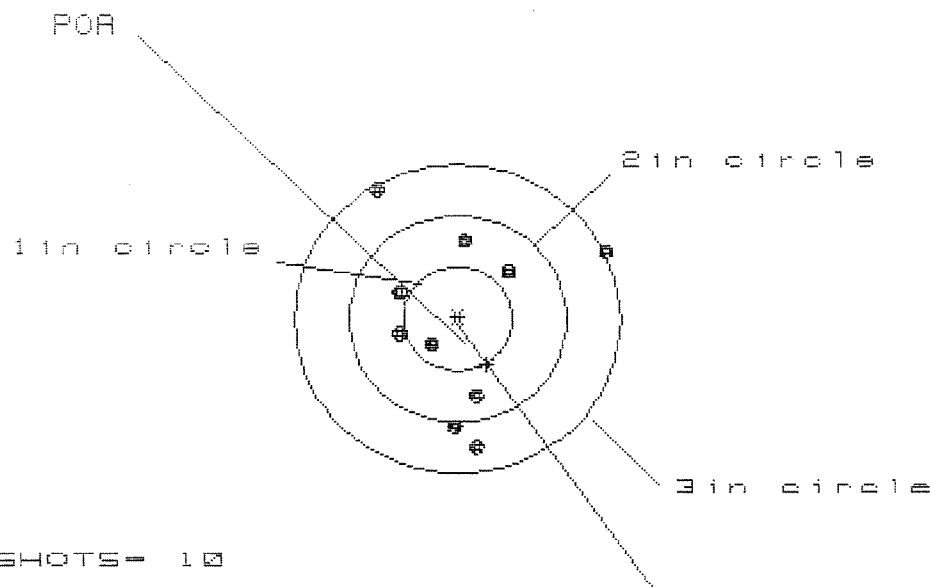
GS= 3.400

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.674	1.251	1.278
MINIMUM X	:	-1.394	-1.208	-1.181
MAXIMUM Y	:	1.166	1.048	.820
MINIMUM Y	:	-1.701	-1.819	-1.167
CENTROID X	:	-.129	-.315	-.342
CENTROID Y	:	1.262	1.380	1.608
POA TO CENTROID in.	:	1.268	1.416	1.644
MIN RADIUS	:	.676	.743	.594
MEAN RADIUS	:	1.266	1.158	1.029
MAX RADIUS	:	1.987	1.832	1.551
HORIZONTAL SPREAD	:	3.068	2.459	2.459
VERTICAL SPREAD	:	2.867	2.867	1.987
EXTREME SPREAD	:	3.400	3.009	2.612
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523396

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.100

VS= 2.500

GS= 2.662

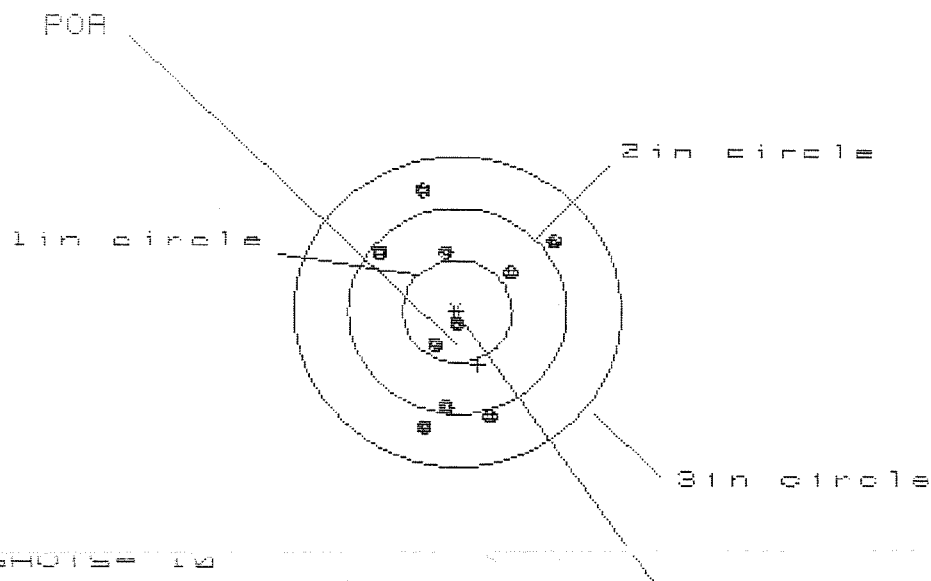
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.326	1.240	.536
MINIMUM X	:	-.774	-.663	-.508
MAXIMUM Y	:	1.240	.879	.973
MINIMUM Y	:	-1.268	-1.130	-1.036
CENTROID X	:	-.264	-.178	-.333
CENTROID Y	:	.441	.303	.209
POA TO CENTROID in.	:	.514	.351	.393
MIN RADIUS	:	.365	.360	.185
MEAN RADIUS	:	.882	.815	.696
MAX RADIUS	:	1.462	1.448	1.053
HORIZONTAL SPREAD	:	2.100	1.903	1.044
VERTICAL SPREAD	:	2.508	2.009	2.009
EXTREME SPREAD	:	2.662	2.234	2.009
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.619

VS= 2.281

GS= 2.281

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.876	.842	.881
MINIMUM X	-.743	-.777	-.818
MAXIMUM Y	1.138	1.011	.716
MINIMUM Y	-1.143	-1.130	-1.003
CENTROID X	-.188	-.154	-.113
CENTROID Y	.521	.648	.521
POA TO CENTROID in.	.554	.666	.533
MIN RADIUS	.096	.215	.096
MEAN RADIUS	.828	.789	.740
MAX RADIUS	1.182	1.160	1.074
HORIZONTAL SPREAD	1.619	1.619	1.619
VERTICAL SPREAD	2.281	2.141	1.719
EXTREME SPREAD	2.281	2.223	1.928
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		