

C6523420

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-21349

INITIAL
JJM
CUSTOMER ORDER NO.
DATE RECEIVED
07/15/94
DATE OPENED
07/18/94
DATE CODE
SCOPE MNTS
SCOPE BASE

W/LEUOPLD 10X SCOPE, DEPLOYMENT KIT
L/STOCK

Scope S/N 90-0569

SERIAL NUMBER
C6523420
NEW SERIAL NUMBER
MODEL AND GRADE
700 7.62 NATO

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.D.D.L

ACCOUNT NUMBER
ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

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

New Barrel, Stock
Trigger Assy, Firing Pin Assy,
Mag Box, Mag Spring
Front & Rear Sight Assy

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 062499927792

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

SERIAL NO. C6523420
DATE 5-11-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.60	2.77	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.80	2.35	
PULL #3	2.90	2.94	2.27	
PULL #4	2.89	2.96	2.36	
PULL #5	2.98	2.91	2.18	
TOTAL	1409	1438	1140	
AVG.	2.81	2.87	2.28	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.23	
PULL #2	3.25	3.21	
PULL #3	3.25	2.95	
PULL #4	3.20	3.32	
PULL #5	3.15	3.24	
TOTAL	1616	1595	
AVG.	3.23	3.19	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.22		4.06
PULL #2	4.25	4.01		4.05
PULL #3	4.34	4.13		4.04
PULL #4	4.20	4.09		4.00
PULL #5	4.39	4.15		4.06
TOTAL	2139	2060		20.21
AVG.	4.27	4.12		4.04

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523420
27 Mar 1900

CENTROIDAL DISTANCES

0 TO 1	.270476
1 TO 2	.248485
1 TO 3	.153405
1 TO 4	.19774
1 TO / 5	.35842

45 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1528
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .249
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .292145
THE AMR FOR THIS RIFLE IS: 1.036

27 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6523420

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 = 7

HS= 3.628

VS= 1.729

GS= 3.843

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.681	1.465	1.431
MINIMUM X	:	-1.947	-1.442	-1.259
MAXIMUM Y	:	.837	.789	.670
MINIMUM Y	:	-.892	-.940	-.841
CENTROID X	:	.049	.265	.082
CENTROID Y	:	.266	.314	.215
POA TO CENTROID in.	:	.270	.411	.230
MIN RADIUS	:	.186	.227	.234
MEAN RADIUS	:	1.184	1.073	.998
MAX RADIUS	:	1.994	1.664	1.580
HORIZONTAL SPREAD	:	3.628	2.907	2.690
VERTICAL SPREAD	:	1.729	1.729	1.511
EXTREME SPREAD	:	3.843	3.167	2.883
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523420

CENTERFIRE PATTERNS # 2

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 = 2.053

VS = 2.160

GS = 2.919

PATTERN #

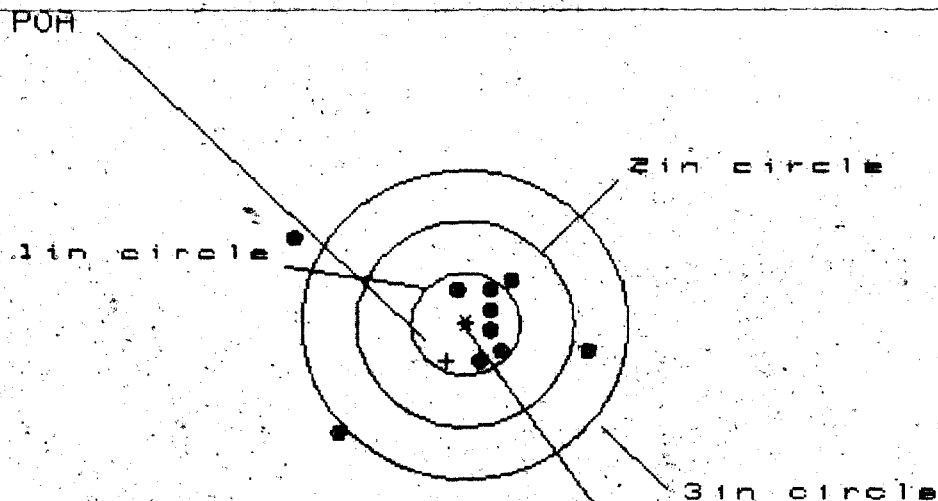
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.121	1.017	1.139
MINIMUM X	-.932	-.712	-.590
MAXIMUM Y	1.382	1.119	1.046
MINIMUM Y	-.778	-.624	-.697
CENTROID X	.002	.106	-.016
CENTROID Y	.022	-.132	-.059
POA TO CENTROID in.	.022	.169	.061
MIN RADIUS	.309	.162	.235
MEAN RADIUS	.902	.800	.741
MAX RADIUS	1.667	1.235	1.228
HORIZONTAL SPREAD	2.053	1.729	1.729
VERTICAL SPREAD	2.160	1.743	1.743
EXTREME SPREAD	2.919	2.023	2.023
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

27 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06523420

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 6

2 in = 7

3 in = 8

HS = 2.644

VS = 1.941

GS = 2.879

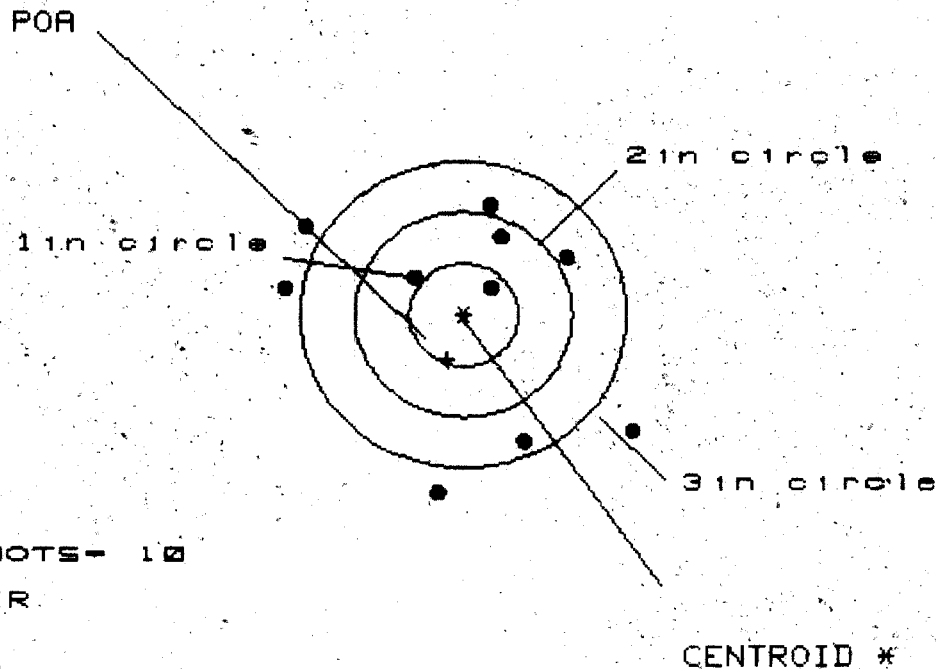
CENTROID *

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X	:	1.111	.941	.776
MINIMUM X	:	-1.532	-1.324	-.401
MAXIMUM Y	:	.865	.523	.400
MINIMUM Y	:	-1.076	-.980	-.433
CENTROID X	:	.171	.342	.507
CENTROID Y	:	.359	.263	.386
POA TO CENTROID in.	:	.398	.431	.637
MIN RADIUS	:	.258	.112	.094
MEAN RADIUS	:	.717	.551	.381
MAX RADIUS	:	1.760	1.647	.832
HORIZONTAL SPREAD	:	2.644	2.265	1.177
VERTICAL SPREAD	:	1.941	1.503	.833
EXTREME SPREAD	:	2.879	2.402	1.309
NUMBER IN ONE INCH CIRCLE	=	6		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

27 Mar 1900

FILE: PATTERNING/CENTERFIRE_PATT/C8523420

CENTERFIRE PATTERNS * 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.127

VS= 2.750

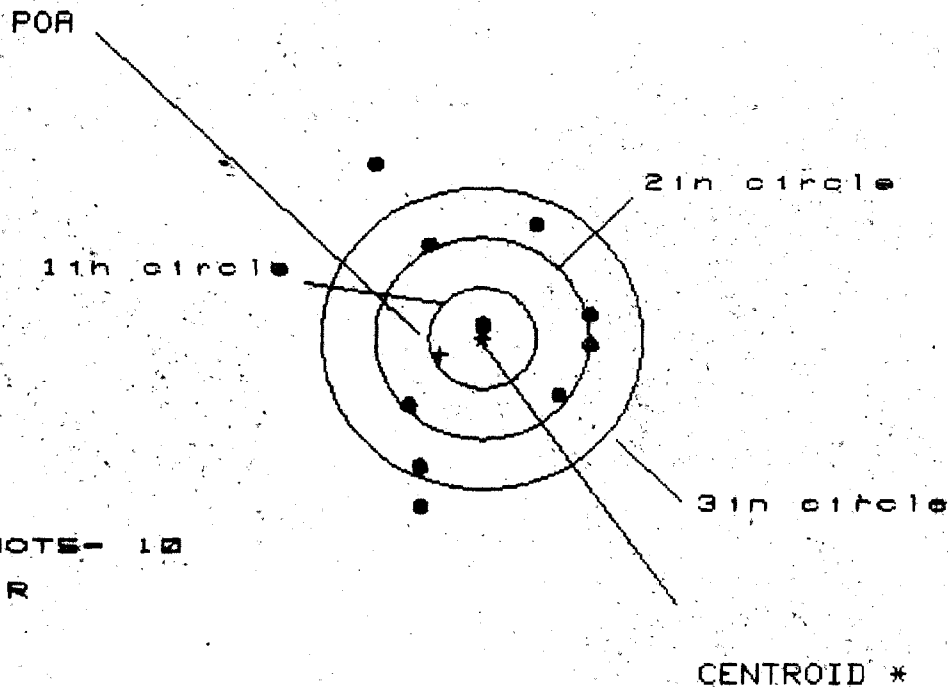
GS= 3.512

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.502	1.094	1.080
MINIMUM X	-1.625	-1.458	-1.472
MAXIMUM Y	1.047	.923	.695
MINIMUM Y	-1.703	-1.827	-1.631
CENTROID X	.150	-.017	-.003
CENTROID Y	.436	.560	.788
POA TO CENTROID in.	.461	.560	.788
MIN RADIUS	.308	.381	.289
MEAN RADIUS	1.212	1.116	.972
MAX RADIUS	1.868	1.830	1.757
HORIZONTAL SPREAD	3.127	2.552	2.552
VERTICAL SPREAD	2.750	2.750	2.326
EXTREME SPREAD	3.512	2.866	2.866
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

27 MAR 1968

FILE: PATTERNING/CENTERFIRE_PATT/08523420

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS = 1.897

VS = 3.379

GS = 3.406

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.024	.916	.835
MINIMUM X	-.973	-.751	-.832
MAXIMUM Y	1.720	1.358	1.174
MINIMUM Y	-1.659	-1.468	-1.297
CENTROID X	.392	.500	.581
CENTROID Y	.162	-.029	.155
POA TO CENTROID in.	.424	.501	.601
MIN RADIUS	.173	.363	.226
MEAN RADIUS	1.166	1.068	.968
MAX RADIUS	1.976	1.606	1.537
HORIZONTAL SPREAD	1.997	1.667	1.667
VERTICAL SPREAD	3.379	2.826	2.471
EXTREME SPREAD	3.406	3.022	2.731
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

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 0027762 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	9	9	9			5/29/96	LC
	G) Safety Off Force	3	3	3			5/29/96	AC
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.023	.022			5/29/96	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	2.74	2.76	2.84	2.82	2.86	5/30/96	WB
	C) Function							
660	Pack							

Remington
MODEL 700™ M24

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

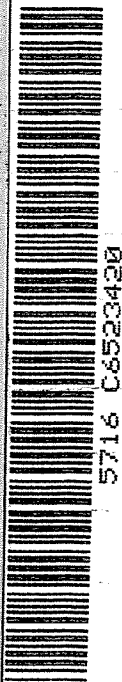
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO. 06523420

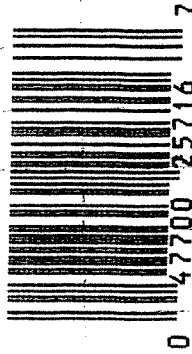
ORDER NO. 5716

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

01



UPC



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523420

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	RB
618	Polish Barrel RB		10/19/90	RB
620	Apply Coatings (Barrel Action)		10/19/90	RB
	Apply Coating (Bolt)		10/19/90	RB
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/7/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-14-90	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/15/90	WLB
	G) Safety Off Force	2	2	2			11/15/90	WLB
	H) Trigger Pull Test & Retainability						11-14-90	RM
	I) Firing Pin Indent	.023	.0225	.023			11/15/90	WLB
	J) Assemble Stock						11/15/90	RW
	K) Assemble Swivel Studs						11-26-90	RM
	L) Attach Front and Rear Sight Assemblies						11/15/90	RW
	M) Iron Sight Alignment						11/15/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/15/90	RW
	O) Attach Scope to Rifle						11/15/90	RW
	P) Detach & Attach Scope 20 Times						11/15/90	RW
640	Gallery Target & Test						11-21-90	DH
	A) Time						11-21-90	DH
	B) Malfunctions						11-21-90	DH
	C) Pierced Primers						11-21-90	DH
	D) Optical Clarity of Scope						11-21-90	DH
645	Inspect for Live Ammo						11-21-90	DH
655	Final Inspection							
	A) Headspace						11-26-90	RM
	B) Trigger Pull	2.81	2.80	2.92	2.93	2.80	11-26-90	RM
	C) Function						11-26-90	RM
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. C6523420

DATE 11-14-90

TESTER JPL.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.47	2.40	2.81	MIN. SETTING,
PULL #2	2.43	2.38	2.42	2.80	NO AVG. OF 5
PULL #3	2.36	2.36	2.45	2.92	READINGS ACCEPT-
PULL #4	2.41	2.25	2.45	2.93	ABLE LESS THAN 2#
PULL #5	2.36	2.37	2.47	2.80	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.19		
PULL #2	3.14	3.27		
PULL #3	3.43	3.40		
PULL #4	3.50	3.41		
PULL #5	3.42	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.15		4.34
PULL #2	4.34	4.36		4.32
PULL #3	4.28	4.28		4.14
PULL #4	4.28	4.32		4.42
PULL #5	4.42	4.36		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523420
26 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.178241
1 TO 2	.0782368
1 TO 3	.137753
1 TO 4	.4436
1 TO 5	.153101

492 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0182
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0524584
THE AMR FOR THIS RIFLE IS: .8478

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523420

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 2.026

VS = 1.834

GS = 2.240

CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.033	1.129	.876
MINIMUM X	-.993	-.897	-.755
MAXIMUM Y	1.050	.571	.509
MINIMUM Y	-.784	-.667	-.729
CENTROID X	.130	.034	-.108
CENTROID Y	.119	.002	.064
POA TO CENTROID in.	.176	.034	.125
MIN RADIUS	.238	.295	.352
MEAN RADIUS	.799	.721	.648
MAX RADIUS	1.362	1.233	1.013
HORIZONTAL SPREAD	2.026	2.026	1.631
VERTICAL SPREAD	1.834	1.238	1.238
EXTREME SPREAD	2.240	2.156	1.756
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523420

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 9

3in = 10

CENTROID *

HS = 2.022

VS = 1.392

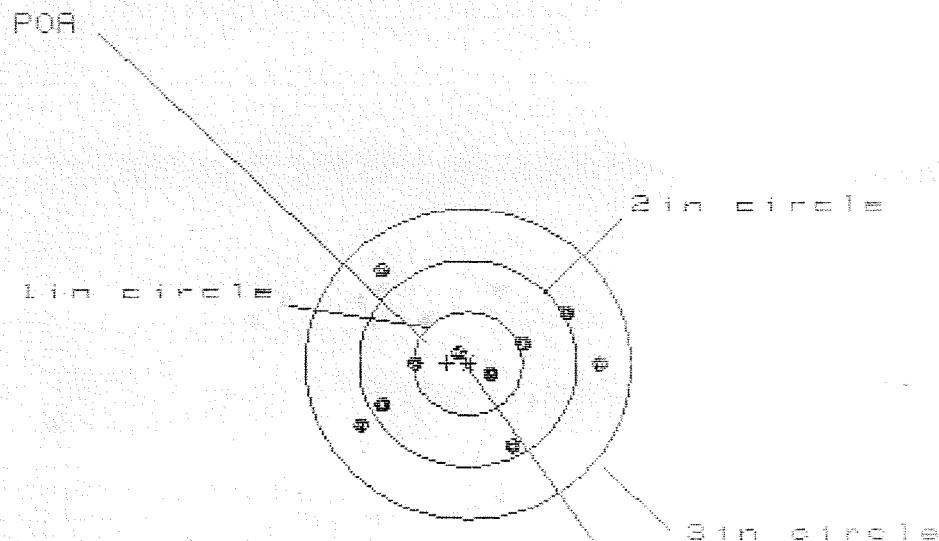
GS = 2.036

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.124	.943	.887
MINIMUM X	:	-.898	-.773	-.829
MAXIMUM Y	:	.627	.611	.514
MINIMUM Y	:	-.765	-.781	-.689
CENTROID X	:	.085	-.040	.016
CENTROID Y	:	.055	.071	.168
POA TO CENTROID in.	:	.101	.081	.169
MIN RADIUS	:	.255	.277	.165
MEAN RADIUS	:	.726	.679	.639
MAX RADIUS	:	1.133	.950	.887
HORIZONTAL SPREAD	:	2.022	1.716	1.716
VERTICAL SPREAD	:	1.392	1.392	1.203
EXTREME SPREAD	:	2.036	1.716	1.716
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

26 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C0523420

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.211

VS = 1.720

GS = 2.287

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.177	1.090	.950
MINIMUM X	-1.034	-1.121	-1.009
MAXIMUM Y	.938	.595	.538
MINIMUM Y	-.782	-.678	-.735
CENTROID X	.190	.277	.417
CENTROID Y	-.005	-.109	-.052
POA TO CENTROID in.	.190	.298	.420
MIN RADIUS	.156	.153	.067
MEAN RADIUS	.785	.732	.651
MAX RADIUS	1.220	1.211	1.070
HORIZONTAL SPREAD	2.211	2.211	1.959
VERTICAL SPREAD	1.720	1.273	1.273
EXTREME SPREAD	2.287	2.287	2.005
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523420

CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

CENTROID *

HS = 2.557

VS = 2.170

GS = 2.892

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.085
MINIMUM X	-1.472
MAXIMUM Y	.736
MINIMUM Y	-1.434
CENTROID X	-.300
CENTROID Y	.010
POR TO CENTROID in.	.300
MIN RADIUS	.359
MEAN RADIUS	1.074
MAX RADIUS	1.592
HORIZONTAL SPREAD	2.557
VERTICAL SPREAD	2.170
EXTREME SPREAD	2.892
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

28 Nov 1998

FILE: \PATTERNING\CENTERFIRE_PATT\08523420

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.945

VS= 2.531

GS= 2.544

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.910	.936	.936
MINIMUM X	-1.035	-1.009	-1.009
MAXIMUM Y	1.130	.975	.865
MINIMUM Y	-1.401	-.817	-.696
CENTROID X	-.014	-.040	-.040
CENTROID Y	.067	.222	.101
POA TO CENTROID in.	.068	.226	.108
MIN RADIUS	.181	.079	.138
MEAN RADIUS	.855	.784	.748
MAX RADIUS	1.420	1.080	1.085
HORIZONTAL SPREAD	1.945	1.945	1.945
VERTICAL SPREAD	2.531	1.792	1.561
EXTREME SPREAD	2.544	2.067	2.067
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	