

C6587614

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVED M24 0023702 BARBER AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18111

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

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

Scope S/N 90 0553

DATE RECEIVED DATE OPENED DATE CODE
06/09/94 06/09/94

SERIAL NUMBER
C6587614

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 CJO.D

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
✓ Stock
✓ Trigger Assy
✓ Firing Pin Assy
✓ Mag Box
✓ Mag Spring
✓ Mag Follower
✓ Front & Rear Sight Assy

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0023702 23831

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587614

DATE 5-7-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.42	2.28		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.63	2.41		
PULL #3	2.60	2.47	2.31		
PULL #4	2.60	2.60	2.46		
PULL #5	2.51	2.46	2.32		
TOTAL	12.68	12.58	11.78		
AVG.	2.53	2.51	2.35		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.03		
PULL #2	3.06	3.13		
PULL #3	3.10	3.22		
PULL #4	3.05	3.23		
PULL #5	3.02	3.24		
TOTAL	15.35	15.85		
AVG.	3.07	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.22		4.14
PULL #2	4.10	4.17		4.05
PULL #3	4.16	4.18		4.05
PULL #4	4.16	4.10		4.09
PULL #5	4.14	4.10		4.00
TOTAL	20.84	20.77		20.33
AVG.	4.16	4.15		4.06

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587614
27 Mar 1988

CENTROIDAL DISTANCES

0 TO	1	.538881
1 TO	2	.369935
1 TO	3	.123016
1 TO	4	.117171
1 TO	5	.164158

+ 1000

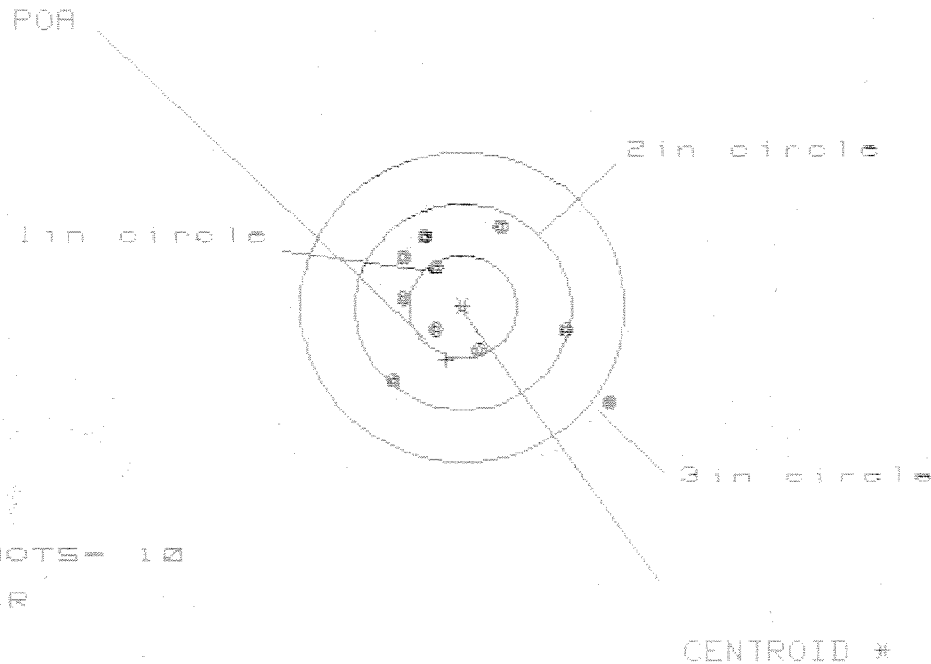
(----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1814
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5464
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .575725
THE AMR FOR THIS RIFLE IS: .7712

27 Mar 1988

FILE: \PATTERNING\CENTERFIRE_PATT\08587614

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in - 9

HS - 2.097

VS - 1.708

GS - 2.458

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.397	1.075	1.067
MINIMUM X	-.700	-.544	-.512
MAXIMUM Y	.776	.673	.567
MINIMUM Y	-.932	-.844	-.595
CENTROID X	.152	-.004	.064
CENTROID Y	.517	.620	.726
POA TO CENTROID in.	.539	.620	.729
MIN RADIUS	.388	.342	.286
MEAN RADIUS	.795	.656	.609
MAX RADIUS	1.680	1.112	1.081
HORIZONTAL SPREAD	2.097	1.619	1.519
VERTICAL SPREAD	1.708	1.517	1.162
EXTREME SPREAD	2.458	1.824	1.666
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587614

CENTERFIRE PATTERNS # 2

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= 2.265

VS= 2.654

GS= 3.415

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X	.915	.765	.846
MINIMUM X	-1.350	-.615	-.534
MAXIMUM Y	1.148	1.001	.829
MINIMUM Y	-1.506	-1.378	-.850
CENTROID X	.218	.368	.287
CENTROID Y	.881	.753	.925
POA TO CENTROID in.	.907	.838	.969
MIN RADIUS	.234	.402	.307
MEAN RADIUS	.916	.838	.721
MAX RADIUS	1.772	1.523	1.199
HORIZONTAL SPREAD	2.265	1.380	1.380
VERTICAL SPREAD	2.654	2.379	1.679
EXTREME SPREAD	3.415	2.508	1.910
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	8	

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587814

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

CENTROID #

HS = 2.017

VS = 2.457

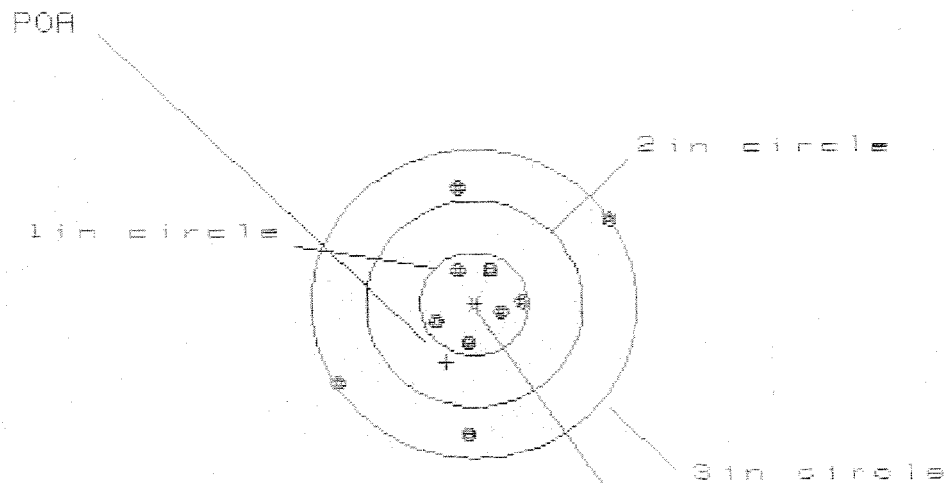
GS = 2.933

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.879	.753	.645
MINIMUM X	-1.138	-.863	-.781
MAXIMUM Y	.995	.832	.698
MINIMUM Y	-1.462	-1.072	-.822
CENTROID X	.190	.316	.424
CENTROID Y	.400	.563	.697
POA TO CENTROID in.	.443	.646	.816
MIN RADIUS	.078	.160	.326
MEAN RADIUS	.861	.733	.652
MAX RADIUS	1.853	1.376	.953
HORIZONTAL SPREAD	2.017	1.616	1.426
VERTICAL SPREAD	2.457	1.904	1.520
EXTREME SPREAD	2.933	2.257	1.641
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587814

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 6

2in = 6

3in = 10

HS= 2.445

VS= 2.383

GS= 2.923

CENTROID #

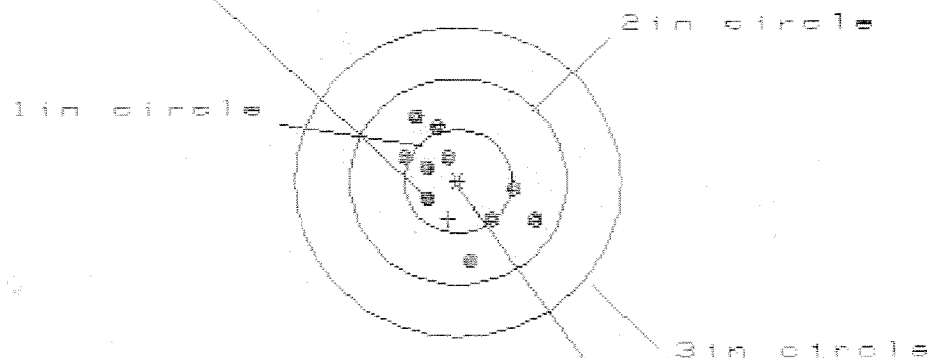
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.209	.581	.443
MINIMUM X	-1.236	-1.102	-.387
MAXIMUM Y	1.152	1.247	1.164
MINIMUM Y	-1.231	-1.136	-1.219
CENTROID X	.257	.122	.268
CENTROID Y	.569	.474	.557
POA TO CENTROID in.	.624	.490	.614
MIN RADIUS	.309	.267	.302
MEAN RADIUS	.764	.689	.590
MAX RADIUS	1.477	1.283	1.223
HORIZONTAL SPREAD	2.445	1.683	.830
VERTICAL SPREAD	2.383	2.383	2.383
EXTREME SPREAD	2.923	2.383	2.383
NUMBER IN ONE INCH CIRCLE =	6		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

-27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587614

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 4

2in = 10

3in = 10

HS= 1.178

VS= 1.402

GS= 1.497

CENTROID *

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.721	.554	.581
MINIMUM X	-.457	-.377	-.350
MAXIMUM Y	.636	.601	.500
MINIMUM Y	-.766	-.801	-.513
CENTROID X	.090	.010	-.017
CENTROID Y	.365	.400	.501
POA TO CENTROID in.	.375	.401	.501
MIN RADIUS	.200	.151	.060
MEAN RADIUS	.520	.471	.402
MAX RADIUS	.790	.830	.670
HORIZONTAL SPREAD	1.178	.931	.931
VERTICAL SPREAD	1.402	1.402	1.013
EXTREME SPREAD	1.497	1.497	1.246
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	10	
NUMBER IN THREE INCH CIRCLE	=	10	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587614

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 0023801 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/96	AC
	G) Safety Off Force	3	3	3			5/30/96	AC
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.024	.023	.023			5/30/96	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	2.60	2.62	2.64	2.65	2.56	5/30/96	WLB
	C) Function							
660	Pack							

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6587614	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	


5716 C6587614

UPC


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL #

C 6587614

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		11/30/90	YB
617	Drill and Tap Sight Holes		11/6/90	KB
618	Polish Barrel		11/7/90	KB
620	Apply Coatings (Barrel Action)		11-20-90	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/5/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/5/90	KS
	C) Inspect Ejector Hole for Chamfer		12/5/90	KS
	D) Oil Firing Pin Ass'y		12/5/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/6/90	KA

Op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2	12/4/90	WB		
	G) Safety Off Force	2 3/4	2 3/4	2 3/4	12/6/90	WB		
	H) Trigger Pull Test & Retainability				12/6/90	JK		
	I) Firing Pin Indent	.023	.023	.023	12/6/90	WB		
	J) Assemble Stock				12/6/90	KS		
	K) Assemble Swivel Studs				12-8-90	JD		
	L) Attach Front and Rear Sight Assemblies				12/6/90	KS		
	M) Iron Sight Alignment				12/6/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				12/6/90	KS		
	O) Attach Scope to Rifle				12/6/90	KS		
	P) Detach & Attach Scope 20 Times				12/6/90	KS		
640	Gallery Target & Test				12-7-90	DH		
	A) Time				12-7-90	DH		
	B) Malfunctions				12-7-90	DH		
	C) Pierced Primers				12-7-90	DH		
	D) Optical Clarity of Scope				12-7-90	DH		
645	Inspect for Live Ammo				12-7-90	DH		
655	Final Inspection							
	A) Headspace				12-8-90	JD		
	B) Trigger Pull	264	262	260	268	263	12-8-90	JD
	C) Function						12-8-90	JD
660	Pack						12-8-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587614DATE 12/6/90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.30	2.12	264	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.27	2.16	263	
PULL #3	2.41	2.30	2.16	269	
PULL #4	2.37	2.45	2.28	268	
PULL #5	2.35	2.46	2.24	263	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.23		
PULL #2	3.20	3.27		
PULL #3	3.23	3.25		
PULL #4	3.25	3.28		
PULL #5	3.23	3.22		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.15		4.21
PULL #2	4.29	4.16		4.25
PULL #3	4.27	4.26		4.26
PULL #4	4.32	4.32		4.31
PULL #5	4.33	4.24		4.45
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587614
7 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.337028
1 TO	2	.276877
1 TO	3	.132306
1 TO	4	.318818
1 TO	5	.181995

←----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.205
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .242317

THE AMR FOR THIS RIFLE IS: .9168

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587614

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.304

VS= 1.575

GS= 2.383

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.104	.971	.974
MINIMUM X	-1.200	-.866	-.745
MAXIMUM Y	.999	.961	.885
MINIMUM Y	-.576	-.614	-.690
CENTROID X	-.262	-.129	-.250
CENTROID Y	-.212	-.174	-.098
POA TO CENTROID in.	.337	.217	.269
MIN RADIUS	.230	.245	.284
MEAN RADIUS	.833	.781	.729
MAX RADIUS	1.248	1.148	1.091
HORIZONTAL SPREAD	2.304	1.837	1.719
VERTICAL SPREAD	1.575	1.575	1.575
EXTREME SPREAD	2.383	2.159	2.086
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587614

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.658

VS= 3.525

GS= 3.753

CENTROID *

PATTERN #

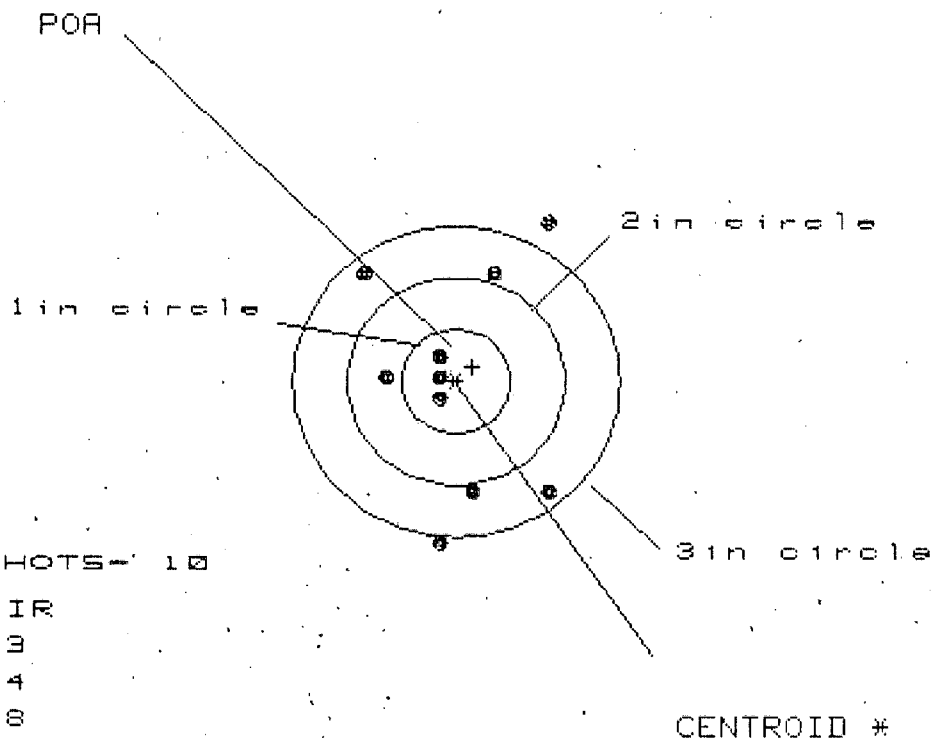
2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.694	.754
MINIMUM X	:	-.884	-.964	-.904
MAXIMUM Y	:	1.555	1.336	1.151
MINIMUM Y	:	-1.970	-1.352	-1.185
CENTROID X	:	-.143	-.063	-.123
CENTROID Y	:	-.462	-.243	-.410
POR TO CENTROID in.	:	.484	.251	.428
MIN RADIUS	:	.150	.268	.156
MEAN RADIUS	:	.981	.849	.755
MAX RADIUS	:	2.099	1.421	1.237
HORIZONTAL SPREAD	:	1.658	1.658	1.658
VERTICAL SPREAD	:	3.525	2.688	2.336
EXTREME SPREAD	:	3.753	2.694	2.419
NUMBER IN ONE INCH CIRCLE =		2		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		8		

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587614

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 1.758

VS= 3.015

GS= 3.176

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.880
MINIMUM X	-.878
MAXIMUM Y	1.498
MINIMUM Y	-1.517
CENTROID X	-.151
CENTROID Y	-.140
POA TO CENTROID in.	.206
MIN RADIUS	.169
MEAN RADIUS	.956
MAX RADIUS	1.712
HORIZONTAL SPREAD	1.758
VERTICAL SPREAD	3.015
EXTREME SPREAD	3.176
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587614

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.440

VS= 2.895

GS= 3.028

CENTROID *

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.462	1.423	1.006
MINIMUM X	-.978	-1.017	-.839
MAXIMUM Y	1.172	.981	.915
MINIMUM Y	-1.723	-.632	-.698
CENTROID X	-.009	.030	-.148
CENTROID Y	-.018	.173	.239
POA TO CENTROID in.	.020	.176	.281
MIN RADIUS	.287	.116	.138
MEAN RADIUS	.957	.841	.725
MAX RADIUS	1.758	1.518	1.167
HORIZONTAL SPREAD	2.440	2.440	1.845
VERTICAL SPREAD	2.895	1.613	1.613
EXTREME SPREAD	3.028	2.442	2.065
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587614

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.244

VS= 2.256

GS= 2.563

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.051	.919	.889
MINIMUM X	-1.193	-1.192	-1.222
MAXIMUM Y	1.210	1.093	.532
MINIMUM Y	-1.046	-.527	-.390
CENTROID X	-.081	.051	.081
CENTROID Y	-.193	-.077	-.214
POA TO CENTROID in.	.210	.093	.229
MIN RADIUS	.235	.366	.272
MEAN RADIUS	.857	.757	.699
MAX RADIUS	1.587	1.289	1.271
HORIZONTAL SPREAD	2.244	2.111	2.111
VERTICAL SPREAD	2.256	1.620	.922
EXTREME SPREAD	2.563	2.181	2.181
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	