

C6611726

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00048926** Serial: C6611726 Model 700 Center Fire Caliber: 7.62 NATO SWS M24 Produced: 06/19/1991 Repairman: Status: Closed 7/9/02 8:06:33 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **US ARMY TRANSPORTATION CTR** **US ARMY TRANSPORTATION CTR**

Address 1: **ATTN ATZFN** **ATTN ATZFN**

Address 2: **PO Box:** **PO Box:**

City: **FORT EUSTIS** **FORT EUSTIS**

State: **VA** Zip Code: **23604** Country: **US** State: **VA** Zip Code: **23604** Country: **US**

FPL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A016	Scope Mounts	2
A045	Bi Pod	1

Repair Search **Refresh** **Close**

maglet 7/9/02 4:23 PM CAPS NUM INS SCFL

Start Inbox Mi... Calendar... Exploring... Arms Se... Parts-Orde... RAC194-2... 4:23 PM

C-6611726

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER

48924

SERIAL NUMBER

C661724

LOG-IN DATE

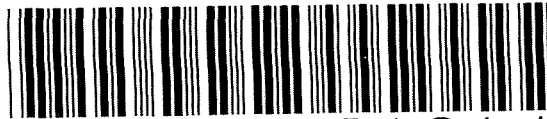
7/8/02

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE New Bolt	7/8/02	RL
600	PROOF	7-10-02	AC
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET Test	7-10-02	AC
655	FINAL INSPECT	7-10-02	RL
660	PACK	7-10-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Serial Number:

C6611726

Model: 700



RE00031014

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00031014** Serial: C6611726 Model 700 M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: New 8/20/01 10:50:20 AM

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **US ARMY TRANS CENTER** **US ARMY TRANS CENTER**

Address 1: **ATTN ATZF NS 27** **ATTN ATZF NS 27**

Address 2: PO Box: PO Box:

City: **FORT EUSTIS** **FORT EUSTIS**

State: **VA** Zip Code: **23604** Country: **US** State: **VA** Zip Code: **23604** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1
A042	Adjustable Butt Pad	1
A045	Bi Pod	1

Repair Search **Refresh** **Close**

Start | nagle | 8/20/01 | 12:00 PM | CAPS | NUM | KS | S:FL | 12:00 PM

Inbox - Microsoft Ex... | Nagle, Thomas J. | Microsoft Excel - S... | Arms Services ...

Serial Number:

C6611726

Model: 700



RE00031014

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6611726
28 Aug 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1176
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1882
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .221921

THE AMR FOR THIS RIFLE IS: 1.127

CENTROIDAL DISTANCES

0	TO	1	.150443
1	TO	2	.491864
1	TO	3	.518256
1	TO	4	.399271
1	TO	5	.482597

3 4
03 +1 <----POA

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .151

MIN RADIUS : .373

MEAN RADIUS : 1.224

MAX RADIUS : 1.786

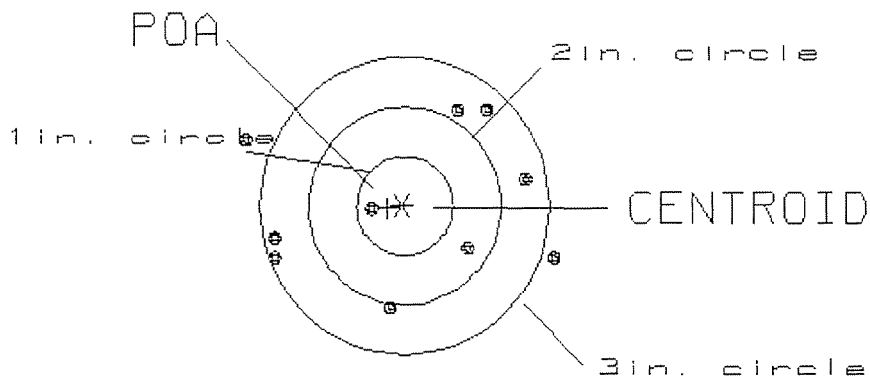
CENTROID X : .148

CENTROID Y : .027

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611726

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.25

1

VS= 2.02

2

GS= 3.45

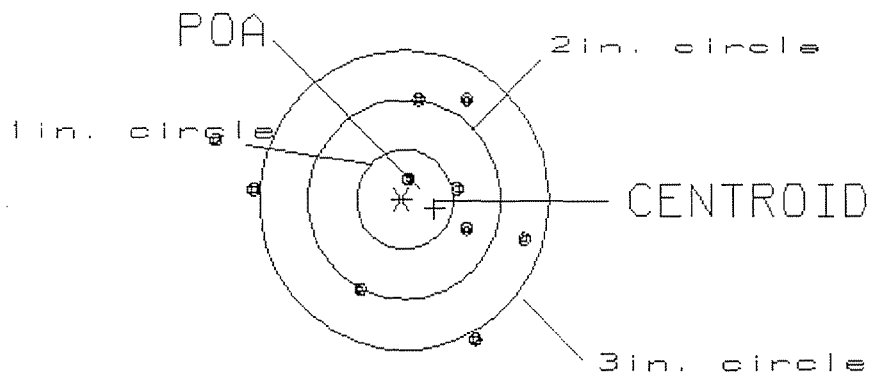
8

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .352
 MIN RADIUS : .171
 MEAN RADIUS : 1.120
 MAX RADIUS : 2.078
 CENTROID X : -.339
 CENTROID Y : .096

28 Aug 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/C6611726

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.23
 VS= 2.38
 GS= 3.41

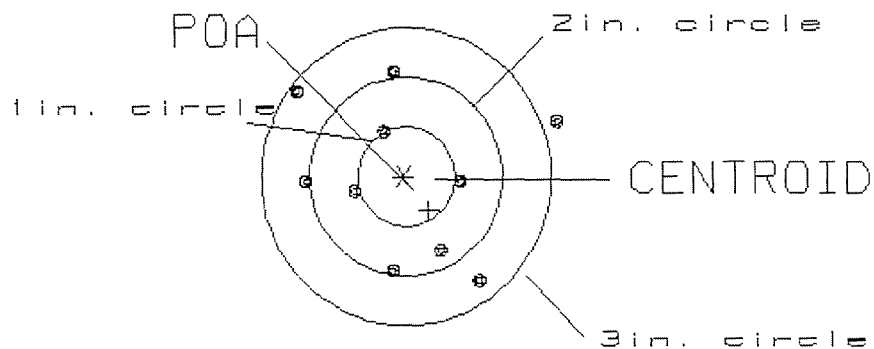
1
 4
 7

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .432
 MIN RADIUS : .483
 MEAN RADIUS : .983
 MAX RADIUS : 1.606
 CENTROID X : -.262
 CENTROID Y : .344

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611726

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.62

1

VS= 2.02

5

GS= 2.65

9

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .468

MIN RADIUS : .473

MEAN RADIUS : 1.161

MAX RADIUS : 2.613

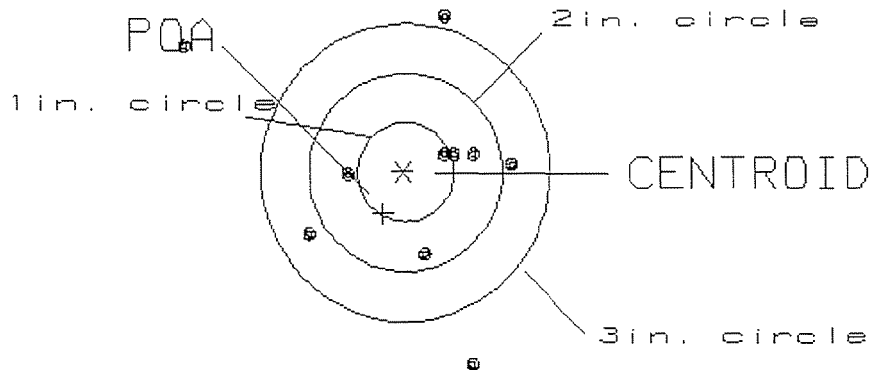
CENTROID X : .199

CENTROID Y : .423

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611726

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.40

1

VS= 3.48

5

GS= 4.30

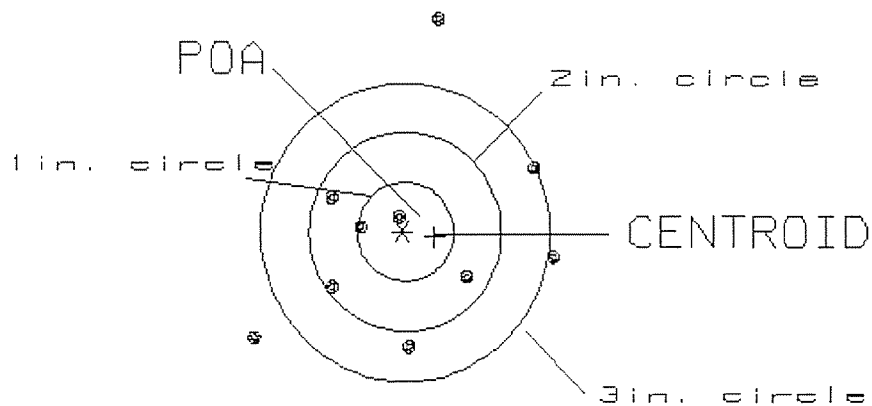
7

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .338
 MIN RADIUS : .202
 MEAN RADIUS : 1.149
 MAX RADIUS : 2.143
 CENTROID X : -.334
 CENTROID Y : .051

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6611726

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.08
 VS= 3.24
 GS= 3.73

1
 5
 7

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 31014

SERIAL NUMBER C661 1724

LOG-IN DATE 8/20/01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8/21/01	PTH
560 A	RE-BARREL AT CUSTOM SHOP	8/21/01	BWT
B	DRILL AND TAP	8/21/01	BWT
C	POLISH	8-22-01	GD
575	ASSEMBLE	8-22-01	PTH
600	PROOF	8-22-01	RW
605	CHECK HEADSPACE	8-22-01	RW
610	DIS-ASSEMBLE GUN	8-22-01	RW
612	MAGNAFLUX	8-23-01	DRD
615	ROLLMARK CALIBER	8-22-01	RW
618	ROTO-BLAST	8/23	
620	APPLY COATINGS	8-24-01	TH
625 A	FINAL ASSEMBLY	8-27-01	PTH
B	TRIGGER PULL TEST	8-27-01	N/A
C	SAFETY "ON" FORCE	8-27-01	N/A
D	SAFETY "OFF" FORCE	8-27-01	N/A
E	FIRING PIN INDENT	8-27-01	N/A
640	TARGET	8/28/01	AC
655	FINAL INSPECT	8-28-01	PTH
660	PACK	8-30-01	DA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: C 661 1726

DATE REC'D: 8-20-01

DATE RET'D: 9-6-01

EDITOR: RTH

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☒ SCOPE CASE☒ IRON SIGHTS☒ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4 3/4	5			3-22-91	KS
	G) Safety Off Force	23/4	2 1/2	23/4			3-22-91	KS
	H) Trigger Pull Test & Retainability						3-22-91	RW
	I) Firing Pin Indent	.0215	.021	.0215			3-22-91	K.S.
	J) Assemble Stock						3/25/91	KS
	K) Assemble Swivel Studs						4/5/91	JH
	L) Attach Front and Rear Sight Assemblies						3/25/91	KS.
	M) Iron Sight Alignment						3/25/91	KS.
	N) Detach Front & Rear Sights & place in numbered container						3/25/91	KS.
	O) Attach Scope to Rifle						3/25/91	KS.
	P) Detach & Attach Scope 20 Times						3/25/91	KS.
640	Gallery Target & Test						4/4/91	KS
	A) Time							K
	B) Malfunctions							K
	C) Pierced Primers							K
	D) Optical Clarity of Scope							KS
645	Inspect for Live Ammo						4/4/91	KS
655	Final Inspection							
	A) Headspace						4/5/91	JH
	B) Trigger Pull	2.45	2.36	2.27	2.43	2.29	4/5/91	JH
	C) Function						4/5/91	JH
660	Pack						6-18-91	N

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C 661172C**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/15/91	KS
600	Proof		1/15/91	KS
607	Check Headspace		1/15/91	KS
610	Dis-assemble Gun		1/15/91	KS
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt			KR
615	Rollmark Caliber	1 18 1 18	91	GS
617	Drill and Tap Sight Holes	1 24	91	FB
618	Polish Barrel	1 24	91	WB
620	Apply Coatings (Barrel Action)		2-15-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/8/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/8/91	KL
	C) Inspect Ejector Hole for Chamfer		3/8/91	KL
	D) Oil Firing Pin Ass'y		3/8/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		3-22-91	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611726

DATE 3/22/91

TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.35	2.15	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.24	2.09	2.36	
PULL #3	2.33	2.19	2.17	2.27	
PULL #4	2.18	2.15	2.17	2.43	
PULL #5	2.39	2.17	2.05	2.29	
TOTAL	11.48	11.10	10.63		
AVG.	2.29	2.22	2.13		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.13		
PULL #2	3.21	3.04		
PULL #3	3.12	3.03		
PULL #4	3.24	3.06		
PULL #5	3.38	3.09		
TOTAL	16.05	15.35		
AVG.	3.21	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.07		4.17
PULL #2	4.00	4.01		4.22
PULL #3	4.00	4.12		4.25
PULL #4	4.13	4.03		4.14
PULL #5	4.11	4.15		4.20
TOTAL	20.38	20.38		20.98
AVG.	4.08	4.08		4.20

Remington[®]


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

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

MODEL 700TM H24

SERIAL NO.
C6611726

ORDER NO.
5716

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

20



CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6611726
 5 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.431504
1 TO	2	.64047
1 TO	3	.813932
1 TO	4	.419411
1 TO	5	.527326

1.43

<----FOR

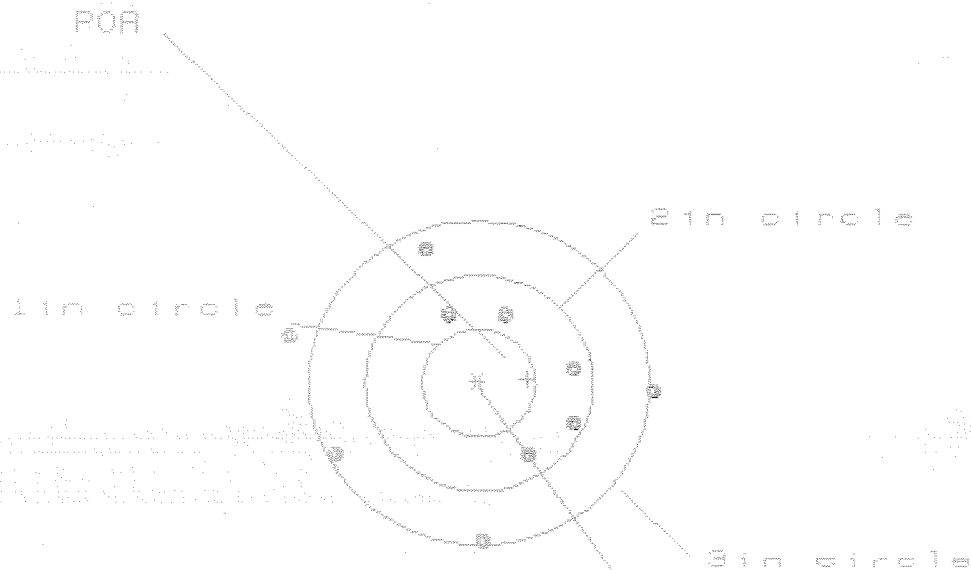
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0062
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1354
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135542
 THE AMP FOR THIS RIFLE IS: .9666

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611726

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 3.184

VS= 2.700

GS= 3.224

CENTROID *

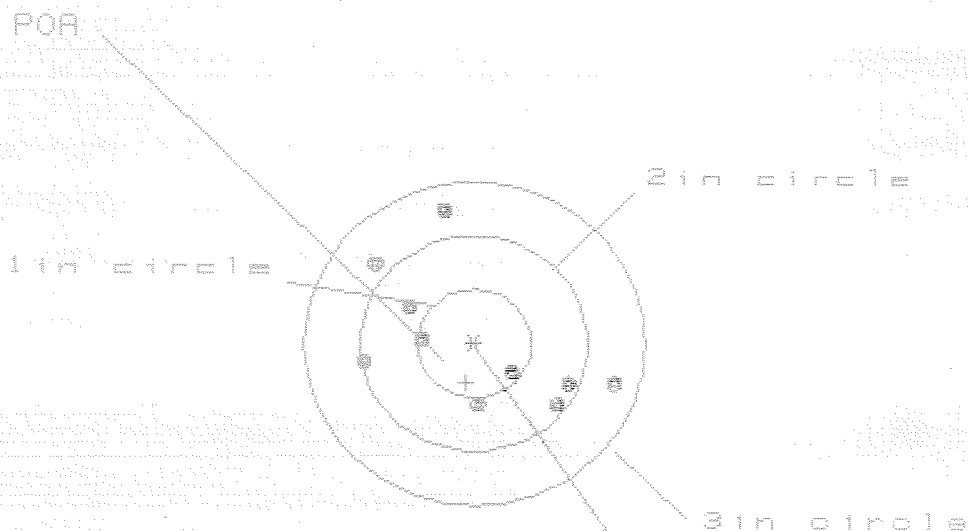
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.502	1.316	.805
MINIMUM X	-1.582	-1.502	-1.338
MAXIMUM Y	1.241	1.294	1.297
MINIMUM Y	-1.459	-1.406	-1.403
CENTROID X	-.430	-.244	-.408
CENTROID Y	-.036	-.089	-.092
POA TO CENTROID in.	.432	.259	.418
MIN RADIUS	.687	.666	.747
MEAN RADIUS	1.141	1.043	1.020
MAX RADIUS	1.748	1.604	1.450
HORIZONTAL SPREAD	3.184	2.818	2.143
VERTICAL SPREAD	2.700	2.700	2.700
EXTREME SPREAD	3.224	2.878	2.760
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611726

CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.206

VS= 1.843

GS= 2.442

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X	1.271	1.012	.994
MINIMUM X	-.935	-.793	-.811
MAXIMUM Y	1.232	1.189	.847
MINIMUM Y	-.611	-.654	-.505
CENTROID X	.071	-.071	-.053
CENTROID Y	.363	.406	.257
POA TO CENTROID in.	.370	.412	.263
MIN RADIUS	.406	.373	.422
MEAN RADIUS	.875	.811	.747
MAX RADIUS	1.328	1.197	1.146
HORIZONTAL SPREAD	2.206	1.805	1.805
VERTICAL SPREAD	1.843	1.843	1.352
EXTREME SPREAD	2.442	2.101	2.101
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611726

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 1.954

VS= 1.657

GS= 2.544

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.082	.746	.652
MINIMUM X	-.872	-.752	-.662
MAXIMUM Y	.605	.488	.545
MINIMUM Y	-1.052	-.968	-.911
CENTROID X	.377	.257	.351
CENTROID Y	.070	.187	.130
POA TO CENTROID in.	.384	.318	.374
MIN RADIUS	.437	.354	.463
MEAN RADIUS	.799	.692	.672
MAX RADIUS	1.509	1.001	.974
HORIZONTAL SPREAD	1.954	1.498	1.314
VERTICAL SPREAD	1.657	1.456	1.456
EXTREME SPREAD	2.544	1.802	1.705
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611726

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 2.738

VS= 3.192

GS= 3.578

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.772	.553	.553
MINIMUM X	-1.966	-.415	-.415
MAXIMUM Y	1.313	1.420	1.198
MINIMUM Y	-1.879	-1.772	-1.597
CENTROID X	-.025	.194	.194
CENTROID Y	.073	-.034	.188
POA TO CENTROID in.	.077	.196	.270
MIN RADIUS	.207	.132	.091
MEAN RADIUS	1.012	.870	.701
MAX RADIUS	2.187	1.772	1.614
HORIZONTAL SPREAD	2.738	.968	.968
VERTICAL SPREAD	3.192	3.192	2.795
EXTREME SPREAD	3.578	3.212	2.858
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611726

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.292

VS= 2.612

GS= 2.740

CENTROID #

PATTERN #

:

P-5

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.134

1.123

1.212

MINIMUM X

:

-1.150

-1.169

-1.080

MAXIMUM Y

:

1.151

.988

.690

MINIMUM Y

:

-1.461

-.667

-.543

CENTROID X

:

.038

.049

-.041

CENTROID Y

:

.207

.370

.246

POA TO CENTROID in.

:

.211

.373

.250

MIN RADIUS

:

.553

.648

.592

MEAN RADIUS

:

1.006

.952

.905

MAX RADIUS

:

1.465

1.346

1.395

HORIZONTAL SPREAD

:

2.292

2.292

2.292

VERTICAL SPREAD

:

2.612

1.655

1.233

EXTREME SPREAD

:

2.740

2.603

2.603

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

10