

C6348975

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



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: **RE00032493** Serial: C6348975 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 11 of 25 Repairman: Status: New 9/14/01 3:09:14 PM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: DEFENCE DIST DEPOT ANNISTON DEFENCE DIST DEPOT ANNISTON

Address 1: 7 FRANKFORD AVE 7 FRANKFORD AVE

Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

**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 |
|------|----------------|-----|
| A006 | Sling Strap    | 1   |
| A007 | With Stud      | 3   |
| A008 | With Swivel    | 2   |
| A010 | Hard Case      | 1   |
| A026 | Scope          | 1   |
| X001 | Scope Case     | 1   |
| X002 | Deployment Kit | 1   |

Repair Search Refresh Close

nagletj 9/17/01 7:48 AM CAPS NUM INS SCRL

Start Arms Services Repair & Es... 7:48 AM

Serial Number: **C6348975**

Model: **700**



**RE00032493**

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348975  
5 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1212  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0382  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .127077

THE AMR FOR THIS RIFLE IS: 1.14

#### CENTROIDAL DISTANCES

|   |    |   |         |
|---|----|---|---------|
| 0 | TO | 1 | .295488 |
| 1 | TO | 2 | .075    |
| 1 | TO | 3 | .395774 |
| 1 | TO | 4 | .109713 |
| 1 | TO | 5 | .496932 |

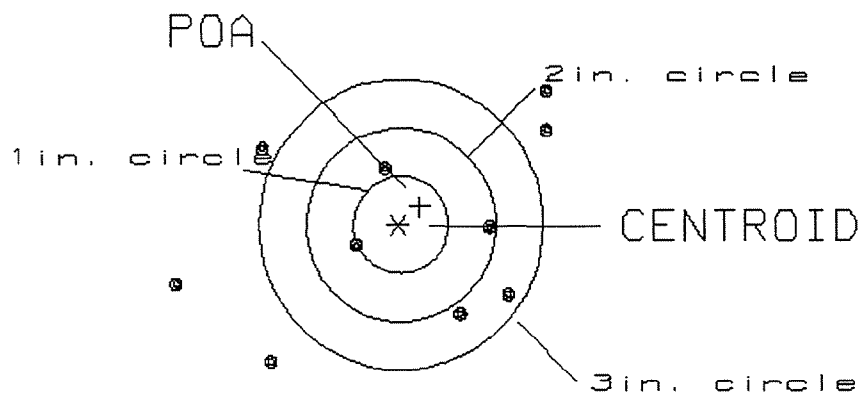
5  
+<sup>3</sup>  
r<sub>4</sub> <----POA

PATTERN #: ☐ 1 ☐  
 POA TO CENTROID: .295  
 MIN RADIUS : .488  
 MEAN RADIUS : 1.443  
 MAX RADIUS : 2.475  
 CENTROID X : -.232  
 CENTROID Y : -.183

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348975

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 3.97  
 VS= 2.84  
 GS= 4.45

1  
 3  
 5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

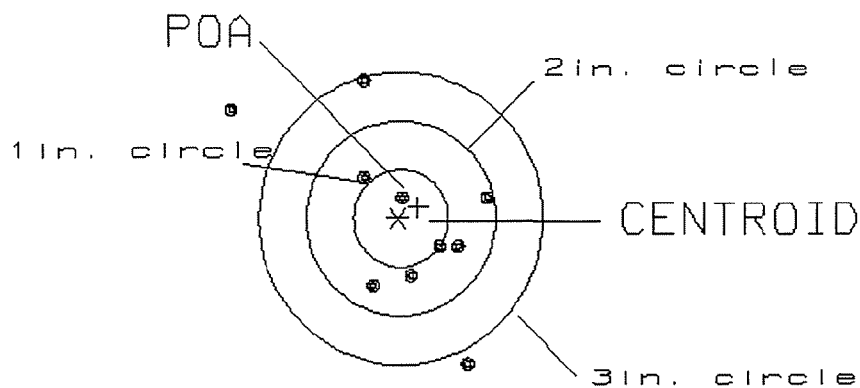
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .238  
 MIN RADIUS : .210  
 MEAN RADIUS : .951  
 MAX RADIUS : 2.083  
 CENTROID X : -.211  
 CENTROID Y : -.111

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348975

CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.63

1

VS= 2.95

7

GS= 3.64

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

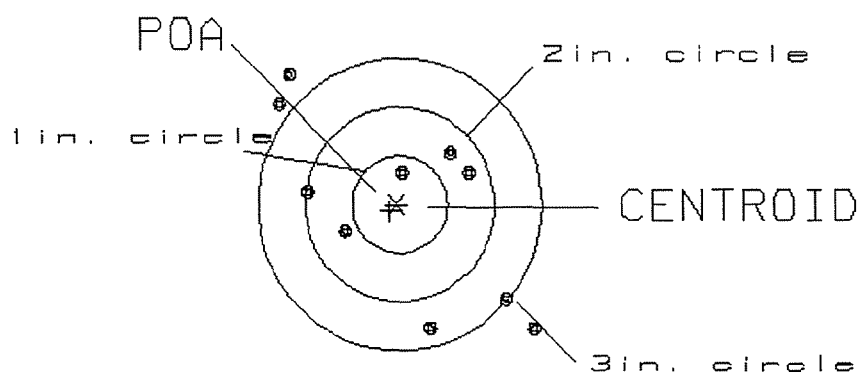
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .100  
 MIN RADIUS : .302  
 MEAN RADIUS : 1.142  
 MAX RADIUS : 1.860  
 CENTROID X : .074  
 CENTROID Y : .068

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348975

CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.62

1

VS= 2.57

4

GS= 3.61

7

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .298

MIN RADIUS : .067

MEAN RADIUS : .887

MAX RADIUS : 1.658

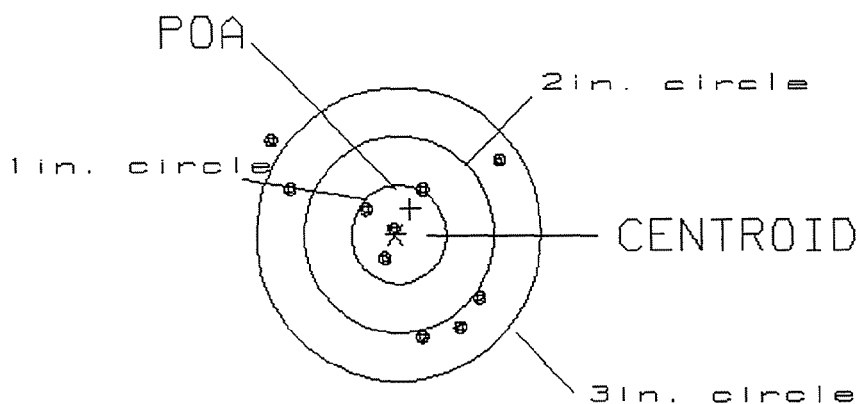
CENTROID X : -.151

CENTROID Y : -.257

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348975

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.43

3

VS= 2.03

4

GS= 2.78

9

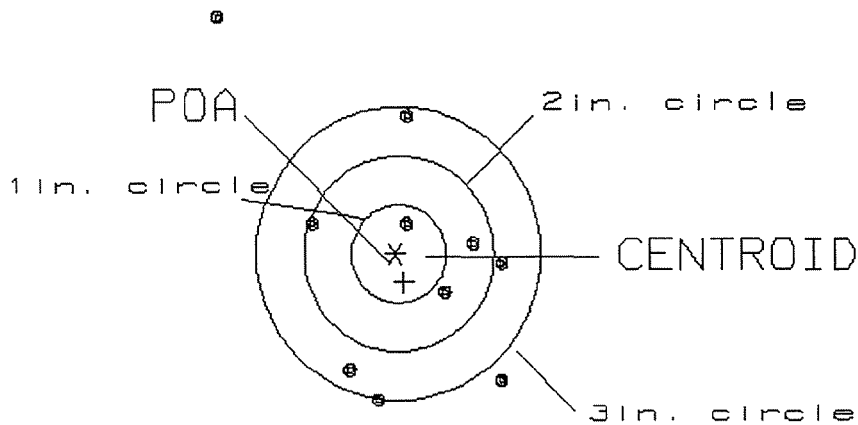
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .304  
 MIN RADIUS : .353  
 MEAN RADIUS : 1.275  
 MAX RADIUS : 3.023  
 CENTROID X : -.086  
 CENTROID Y : .292

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348975

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 2.98  
 VS= 3.90  
 GS= 4.72

1  
 4  
 7

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

|                         |  |                 |  |
|-------------------------|--|-----------------|--|
| <b>R &amp; E NUMBER</b> |  | <u>32493</u>    |  |
| <b>SERIAL NUMBER</b>    |  | <u>C6348975</u> |  |
| <b>LOG-IN DATE</b>      |  | <u>9-13-01</u>  |  |

| INSPECT AND VERIFY: |                          |                     |         |
|---------------------|--------------------------|---------------------|---------|
| OPERATION #         | OPERATION NAME           | DATE                | INITIAL |
| 550                 | DIS-ASSEMBLE GUN         | 9-17-01             | RH      |
| 560 A               | RE-BARREL AT CUSTOM SHOP | 9/20/01             | BWT     |
| B                   | DRILL AND TAP            | 9/20/01             | BWT     |
| C                   | POLISH                   | 9/20/01             | GP      |
| 575                 | ASSEMBLE                 | 9-20-01             | RH      |
| 600                 | PROOF                    | 9-21-01             | RW      |
| 605                 | CHECK HEADSPACE          | 9-24-01             | KH      |
| 610                 | DIS-ASSEMBLE GUN         | 9-24-01             | KH      |
| 612                 | MAGNAFLUX                | OPERATOR AL         |         |
| 615                 | ROLLMARK CALIBER         | 9-24-01             | RH      |
| 618                 | ROTO-BLAST               | 9/25                |         |
| 620                 | APPLY COATINGS           | 9/28                | HP      |
| 625 A               | FINAL ASSEMBLY           | 10-2-01             | RH      |
| B                   | TRIGGER PULL TEST        |                     |         |
| C                   | SAFETY "ON" FORCE        |                     |         |
| D                   | SAFETY "OFF" FORCE       |                     |         |
| E                   | FIRING PIN INDENT        |                     |         |
| 640                 | TARGET                   | 10/5/01             | RW      |
| 655                 | FINAL INSPECT            | 10-6-01             | KH      |
| 660                 | PACK                     | 10-6-01             | RH      |
|                     |                          | SHIP DATE           |         |
|                     |                          | QAR INSPECTION DATE |         |

## Final Inspection

In: C6348975  
 DATE REC'D: 9-13-01  
 DATE RET'D: 10-9-01  
 Auditor: [Signature]

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:




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

MODEL 700™ M24


5716 C6348975

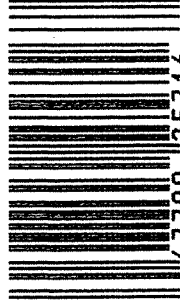
SERIAL NO.  
C6348975

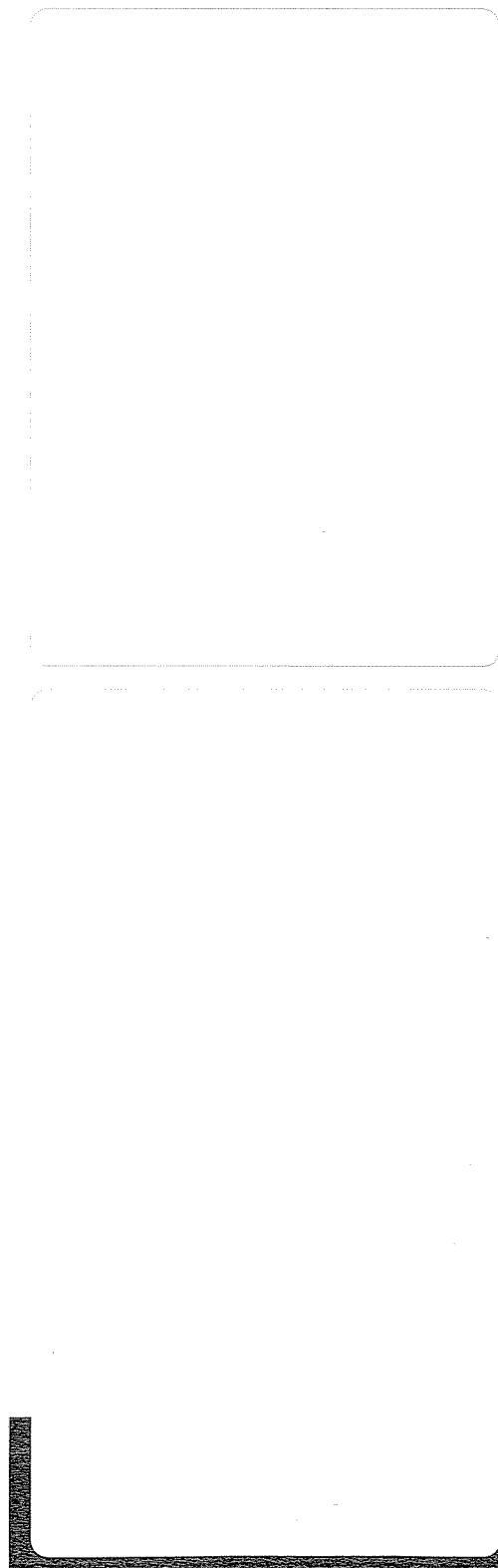
ORDER NO.  
5716

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

Ø1

UPC


0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348975

| OP. #     | OP. NAME                                                 | READINGS          | DATE     | INIT |
|-----------|----------------------------------------------------------|-------------------|----------|------|
| 575 & 580 | Assemble Action and Stock                                | 7 11              | 89       | RW   |
| 600       | Proof                                                    | 7 11              | 89       | RW   |
| 607       | Check Headspace                                          | 7 11              | 89       | RW   |
| 610       | Dis-assemble Gun                                         | 7 11              | 89       | RW   |
| 612       | Magnaflux Barrel Action                                  |                   | 7/13     | KCR  |
|           | Magnaflux Bolt                                           | <del>000000</del> | 7/13     | KCR  |
| 615       | Rollmark Caliber                                         |                   | 7/13     | MS   |
| 617       | Drill and Tap Sight Holes                                | 7 13              | 89       | FB   |
| 618       | Polish Barrel <i>RB</i>                                  | 7 13              | 89       | BT   |
| 620       | Apply Coatings (Barrel Action)                           |                   | 7-21-89  | TJA  |
|           | Apply Coating (Bolt)                                     |                   |          |      |
| 625       | Final Assembly                                           |                   |          |      |
|           | A) Clean inside of Bolt Assembly                         |                   | 7/25/89  | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                   | 7/25/89  | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |                   | 7/25/89  | RW   |
|           | D) Oil Firing Pin Ass'y                                  |                   | 7/25/89  | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                   | 1 Aug 89 | LS   |

| op. #        | OP. NAME                                                    | READINGS |       |        | DATE     | INIT |          |
|--------------|-------------------------------------------------------------|----------|-------|--------|----------|------|----------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4     | 4      | 1 aug 89 | JS   |          |
|              | G) Safety Off Force                                         | 3        | 3     | 3      | 1 aug 89 | JS   |          |
|              | H) Trigger Pull Test & Retainability                        |          |       |        | 1 aug 89 | JS   |          |
|              | I) Firing Pin Indent                                        | .021     | .0215 | .0215  | 1 aug 89 | JS   |          |
|              | J) Assemble Stock                                           |          |       |        | 8/4/89   | RW   |          |
|              | K) Assemble Swivel Studs                                    |          |       |        | 8/4/89   | JS   |          |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |        | 8/4/89   | RW   |          |
|              | M) Iron Sight Alignment                                     |          |       |        | 8/4/89   | RW   |          |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |        | 8/4/89   | RW   |          |
|              | O) Attach Scope to Rifle                                    |          |       |        | 8/4/89   | JS   |          |
|              | P) Detach & Attach Scope 20 Times                           |          |       |        | 8/4/89   | JS   |          |
| 640          | Gallery Target & Test                                       | 70 L     | 80 L  | 8-4-89 | DL       |      |          |
|              | A) Time                                                     |          |       | 8-4-89 | DL       |      |          |
|              | B) Malfunctions                                             |          |       | 8-4-89 | DL       |      |          |
|              | C) Pierced Primers                                          |          |       | 8-4-89 | DL       |      |          |
|              | D) Optical Clarity of Scope                                 |          |       | 8-4-89 | DL       |      |          |
| 645          | Inspect for Live Ammo                                       |          |       | 8-4-89 | DL       |      |          |
| 655          | Final Inspection                                            |          |       |        | 7 aug 89 | JS   |          |
|              | A) Headspace                                                |          |       |        | 7 aug 89 | JS   |          |
|              | B) Trigger Pull                                             | 2.53     | 2.67  | 2.51   | 2.48     | 2.65 | 7 aug 89 |
|              | C) Function                                                 |          |       |        | 7 aug 89 | JS   |          |
| 660          | Pack                                                        |          |       |        | 9/20/89  | K    |          |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. 8975  
06348870

DATE 16 Oct 89

TESTER 928

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 230              | 210                      | 216                            | 242   | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 236              | 218                      | 216                            | 254   |                                                                        |
| PULL #3 | 244              | 216                      | 236                            | 247   |                                                                        |
| PULL #4 | 239              | 218                      | 220                            | 246   |                                                                        |
| PULL #5 | 243              | 222                      | 219                            | 243   |                                                                        |
| TOTAL   | 1192             | 1084                     | 1107                           | 1232  |                                                                        |
| AVG.    | 2.384            | 2.168                    | 2.214                          | 2.464 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 350              | 290                      |  |          |
| PULL #2 | 326              | 302                      |  |          |
| PULL #3 | 322              | 304                      |  |          |
| PULL #4 | 317              | 305                      |  |          |
| PULL #5 | 314              | 303                      |  |          |
| TOTAL   | 1629             | 1504                     |  |          |
| AVG.    | 3.258            | 3.008                    |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 390              | 399                      |                                | 460                                  |
| PULL #2 | 443              | 383                      |                                | 433                                  |
| PULL #3 | 474              | 380                      |                                | 426                                  |
| PULL #4 | 425              | 390                      |                                | 441                                  |
| PULL #5 | 419              | 400                      |                                | 406                                  |
| TOTAL   | 2151             | 1952                     |                                | 2166                                 |
| AVG.    | 4.302            | 3.904                    |                                | 4.332                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06848975  
4 Aug 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .356237 |
| 1 TO | 2 | .064801 |
| 1 TO | 3 | .389976 |
| 1 TO | 4 | .333802 |
| 1 TO | 5 | .57171  |

$\bar{x} = .35$  (----POA)

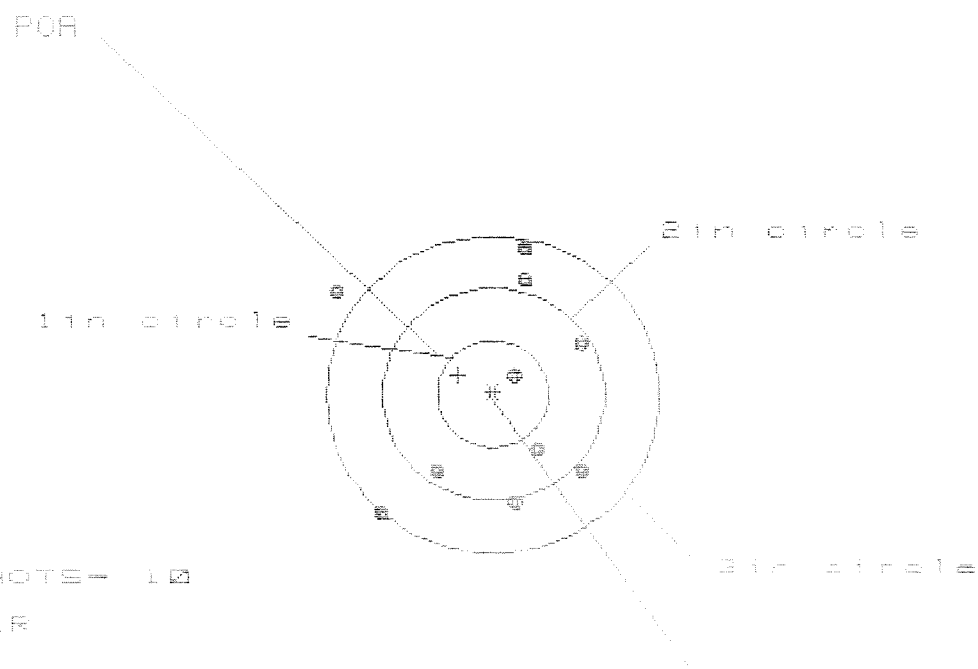
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3808  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0822  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .389571  
THE AMP FOR THIS RIFLE IS: 1.12

4 Aug 1985

FILE:/PATTERNING/CENTERFIRE\_PATT/0834B375

# CENTERFIRE PATTERNS

# 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.231

VS= 2.455

GS= 2.795

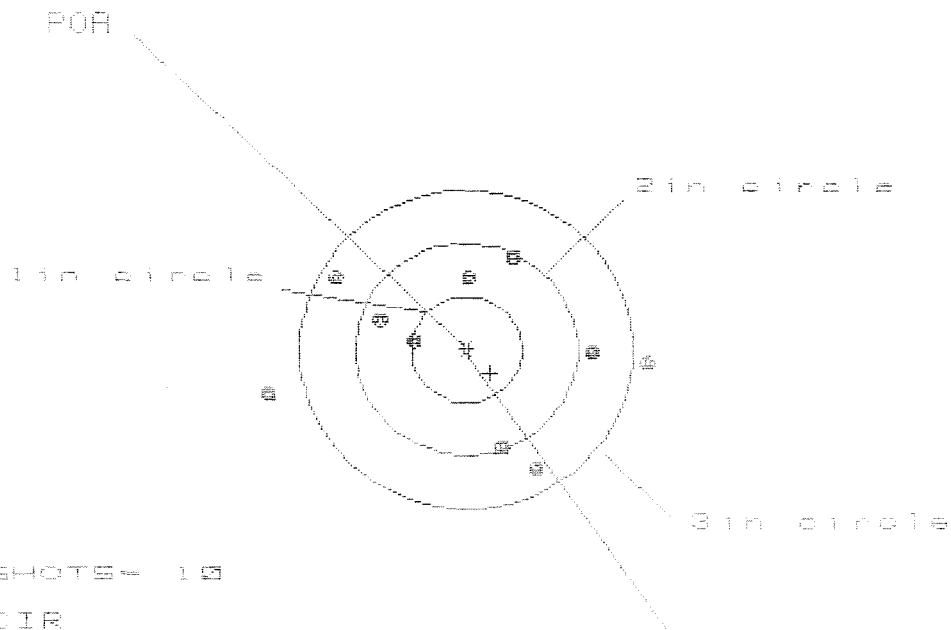
CENTROID \*

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .839   | .684   | .534   |
| MINIMUM X                   | : | -1.392 | -1.207 | -1.768 |
| MAXIMUM Y                   | : | 1.345  | 1.449  | 1.323  |
| MINIMUM Y                   | : | -1.111 | -1.066 | -1.025 |
| CENTROID X                  | : | .308   | .463   | .613   |
| CENTROID Y                  | : | -.179  | -.284  | -.158  |
| POA TO CENTROID in.         | : | .356   | .543   | .633   |
| MIN RADIUS                  | : | .277   | .329   | .249   |
| MEAN RADIUS                 | : | 1.041  | .938   | .841   |
| MAX RADIUS                  | : | 1.680  | 1.571  | 1.323  |
| HORIZONTAL SPREAD           | : | 2.231  | 1.891  | 1.302  |
| VERTICAL SPREAD             | : | 2.455  | 2.455  | 2.348  |
| EXTREME SPREAD              | : | 2.795  | 2.795  | 2.358  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |

4 Aug 1989

FILE: \PATTERNING\CENTERFIRE\_PATT\08348375

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.389

VS= 2.043

GS= 3.401

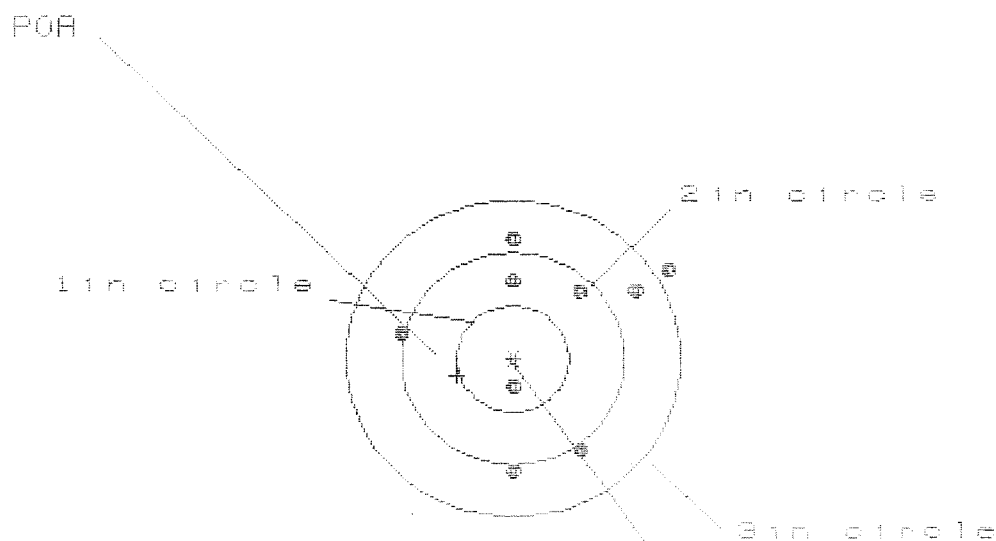
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.602  | 1.403  | 1.083  |
| MINIMUM X                   | : | -1.787 | -1.396 | -1.220 |
| MAXIMUM Y                   | : | .880   | .833   | .809   |
| MINIMUM Y                   | : | -1.163 | -1.210 | -1.234 |
| CENTROID X                  | : | -.223  | -.024  | -.199  |
| CENTROID Y                  | : | .221   | .268   | .292   |
| POA TO CENTROID in.         | : | .314   | .270   | .353   |
| MIN RADIUS                  | : | .487   | .676   | .500   |
| MEAN RADIUS                 | : | 1.124  | 1.038  | .968   |
| MAX RADIUS                  | : | 1.898  | 1.523  | 1.383  |
| HORIZONTAL SPREAD           | : | 3.389  | 2.799  | 2.303  |
| VERTICAL SPREAD             | : | 2.043  | 2.043  | 2.043  |
| EXTREME SPREAD              | : | 3.401  | 2.910  | 2.591  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08946975

# CENTERFIRE PATTERNS # 3



# OF SHOTS = 10 #

# IN CIR

1in = 1

2in = 3

3in = 8

HS = 4.135

VS = 3.209

GS = 5.059

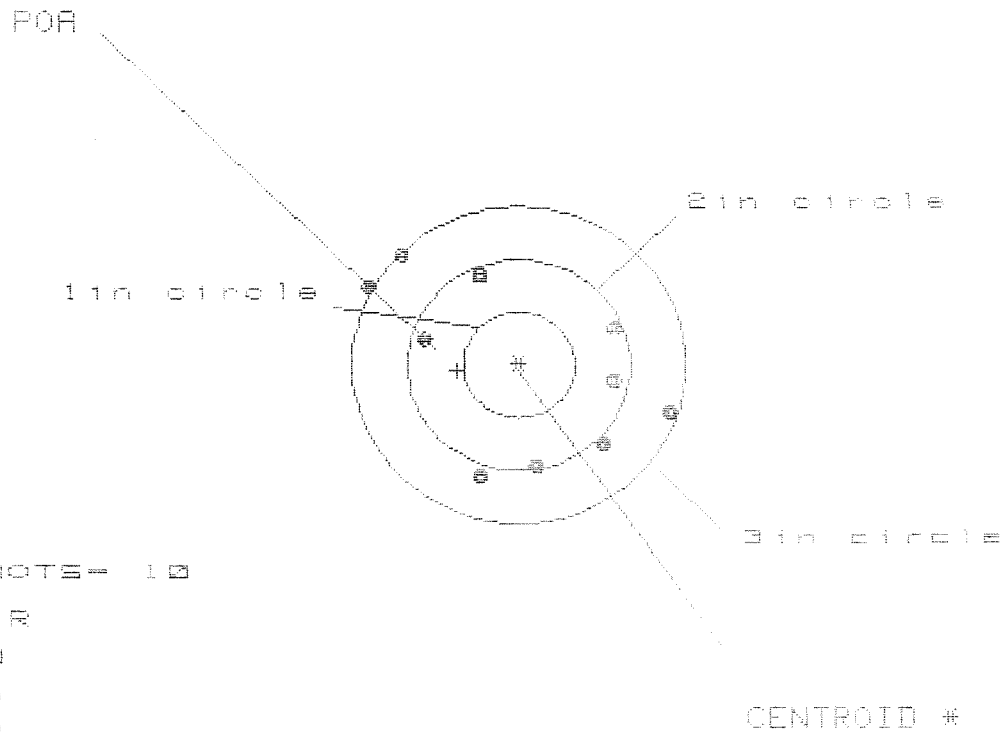
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.391  | 1.087  | .888   |
| MINIMUM X                   | : | -2.744 | -1.285 | -1.150 |
| MAXIMUM Y                   | : | 1.130  | .899   | .975   |
| MINIMUM Y                   | : | -2.079 | -1.333 | -1.257 |
| CENTROID X                  | : | .499   | .803   | .668   |
| CENTROID Y                  | : | .161   | .392   | .316   |
| POA TO CENTROID in.         | : | .524   | .894   | .739   |
| MIN RADIUS                  | : | .283   | .526   | .458   |
| MEAN RADIUS                 | : | 1.254  | .949   | .910   |
| MAX RADIUS                  | : | 3.442  | 1.372  | 1.271  |
| HORIZONTAL SPREAD           | : | 4.135  | 2.372  | 2.038  |
| VERTICAL SPREAD             | : | 3.209  | 2.232  | 2.232  |
| EXTREME SPREAD              | : | 5.059  | 2.450  | 2.232  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

4 Aug 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06348975

# CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.696

VS = 2.072

GS = 2.936

| PATTERN #                   | : | 3      | 4      | 5      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.307  | 1.152  | 1.006  |
| MINIMUM X                   | : | -1.389 | -1.174 | -1.100 |
| MAXIMUM Y                   | : | 1.047  | 1.128  | 1.080  |
| MINIMUM Y                   | : | -1.025 | -.944  | -.803  |
| CENTROID X                  | : | .548   | .703   | .849   |
| CENTROID Y                  | : | .053   | -.028  | -.169  |
| POA TO CENTROID in.         | : | .551   | .703   | .866   |
| MIN RADIUS                  | : | .816   | .653   | .511   |
| MEAN RADIUS                 | : | 1.097  | 1.017  | .897   |
| MAX RADIUS                  | : | 1.570  | 1.628  | 1.257  |
| HORIZONTAL SPREAD           | : | 2.696  | 2.326  | 2.106  |
| VERTICAL SPREAD             | : | 2.072  | 2.072  | 1.883  |
| EXTREME SPREAD              | : | 2.936  | 2.756  | 2.221  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      | 5      | 9      |
| NUMBER IN TWO INCH CIRCLE   | = |        |        |        |
| NUMBER IN THREE INCH CIRCLE | = |        |        |        |

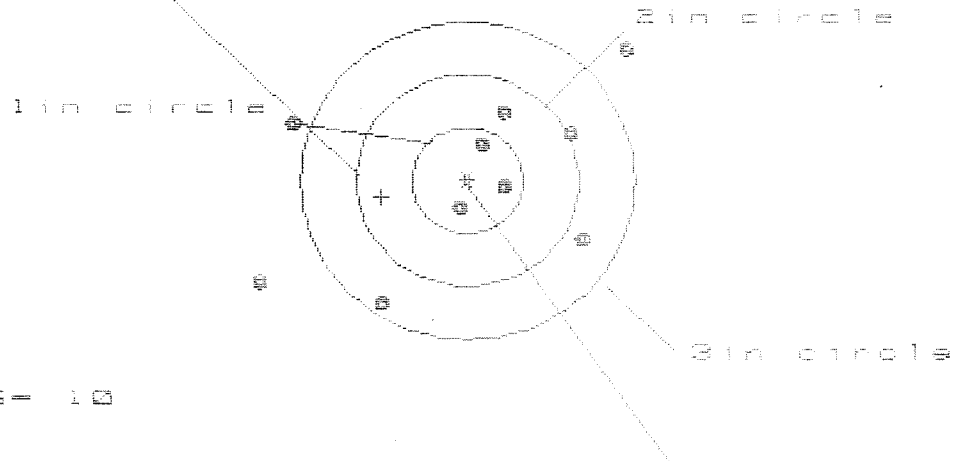
4 Aug 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06346973

# CENTERFIRE PATTERNS

# 5

POA



# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 5

3 in = 7

HS= 3.300

VS= 2.381

GS= 3.963

CENTROID \*

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.463  | 1.259  | .955   |
| MINIMUM X                     | -1.837 | -1.740 | -1.583 |
| MAXIMUM Y                     | 1.204  | 1.094  | .646   |
| MINIMUM Y                     | -1.177 | -1.287 | -1.150 |
| CENTROID X                    | .772   | .976   | .819   |
| CENTROID Y                    | .155   | .265   | .128   |
| POA TO CENTROID in.           | .787   | 1.011  | .829   |
| MIN RADIUS                    | .284   | .186   | .276   |
| MEAN RADIUS                   | 1.086  | .922   | .851   |
| MAX RADIUS                    | 2.087  | 1.782  | 1.667  |
| HORIZONTAL SPREAD             | 3.380  | 2.999  | 2.538  |
| VERTICAL SPREAD               | 2.381  | 2.381  | 1.796  |
| EXTREME SPREAD                | 3.963  | 3.267  | 2.764  |
| NUMBER IN ONE INCH CIRCLE =   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |