

C6587748

MODEL 700<sup>TM</sup> M24

Model **SMS**<sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

# RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER  
R 94-18120

INITIAL  
FDC

CUSTOMER ORDER NO.  
DAAA09-92-C-0834

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

Scope S/N 90 1032

|                            |                         |           |                           |                   |                             |            |
|----------------------------|-------------------------|-----------|---------------------------|-------------------|-----------------------------|------------|
| DATE RECEIVED<br>06/09/94  | DATE OPENED<br>06/09/94 | DATE CODE | SERIAL NUMBER<br>C6587748 | NEW SERIAL NUMBER | MODEL AND GRADE<br>700 7-62 | NATO       |
| ACCESSORIES<br>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 <input type="checkbox"/> | PROM. DATE | ESTIMATED | VIA<br>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

New Barrel, Stock  
Trigger Assy.  
Mag Follower, Mag Spring  
Front & Rear Sight Assy

|           |       |       |      |        |         |
|-----------|-------|-------|------|--------|---------|
| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|-----------|-------|-------|------|--------|---------|

|                |      |      |      |      |      |
|----------------|------|------|------|------|------|
| GALLERY TESTER | DATE | DATE | DATE | DATE | DATE |
|----------------|------|------|------|------|------|

5/18/96 5/18/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400026370

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587748

DATE 5-17-96

TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |  | COMMENTS                                                                           |
|---------|------------------|--------------------------|--------------------------------|--|------------------------------------------------------------------------------------|
| PULL #1 | 2.72             | 2.79                     | 2.55                           |  | MIN. SETTING,<br><br>NO AVG. OF 5<br><br>READINGS ACCEPT-<br><br>ABLE LESS THAN 2# |
| PULL #2 | 2.75             | 2.84                     | 2.44                           |  |                                                                                    |
| PULL #3 | 2.89             | 2.79                     | 2.57                           |  |                                                                                    |
| PULL #4 | 2.57             | 2.84                     | 2.70                           |  |                                                                                    |
| PULL #5 | 2.92             | 2.71                     | 2.65                           |  |                                                                                    |
| TOTAL   | 13.85            | 13.97                    | 12.91                          |  |                                                                                    |
| AVG.    | 2.77             | 2.79                     | 2.58                           |  |                                                                                    |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 2.93             | 3.14                     |  |          |
| PULL #2 | 3.03             | 3.16                     |  |          |
| PULL #3 | 2.90             | 3.08                     |  |          |
| PULL #4 | 2.96             | 2.93                     |  |          |
| PULL #5 | 2.90             | 2.90                     |  |          |
| TOTAL   | 14.72            | 15.21                    |  |          |
| AVG.    | 2.94             | 3.04                     |  |          |

|         | 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 | 4.06             | 4.20                     |                                | 4.06                                 |
| PULL #2 | 4.16             | 4.29                     |                                | 4.17                                 |
| PULL #3 | 4.24             | 4.22                     |                                | 4.24                                 |
| PULL #4 | 4.23             | 4.24                     |                                | 4.13                                 |
| PULL #5 | 4.00             | 4.35                     |                                | 4.21                                 |
| TOTAL   | 20.69            | 21.30                    |                                | 20.81                                |
| AVG.    | 4.13             | 4.26                     |                                | 4.16                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587748  
27 Mar 1988

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .704114 |
| 1 TO | 2 | .733003 |
| 1 TO | 3 | .688222 |
| 1 TO | 4 | .604669 |
| 1 TO | 5 | .725536 |

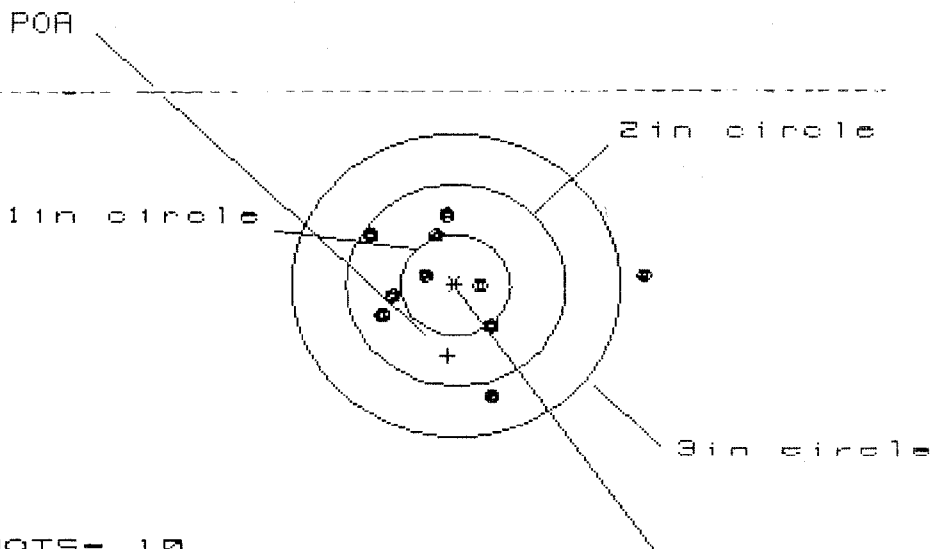
1  
2-0 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0774  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1706  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .187337  
THE AMR FOR THIS RIFLE IS: .8172

27 Mar 1908

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.573

VS= 1.835

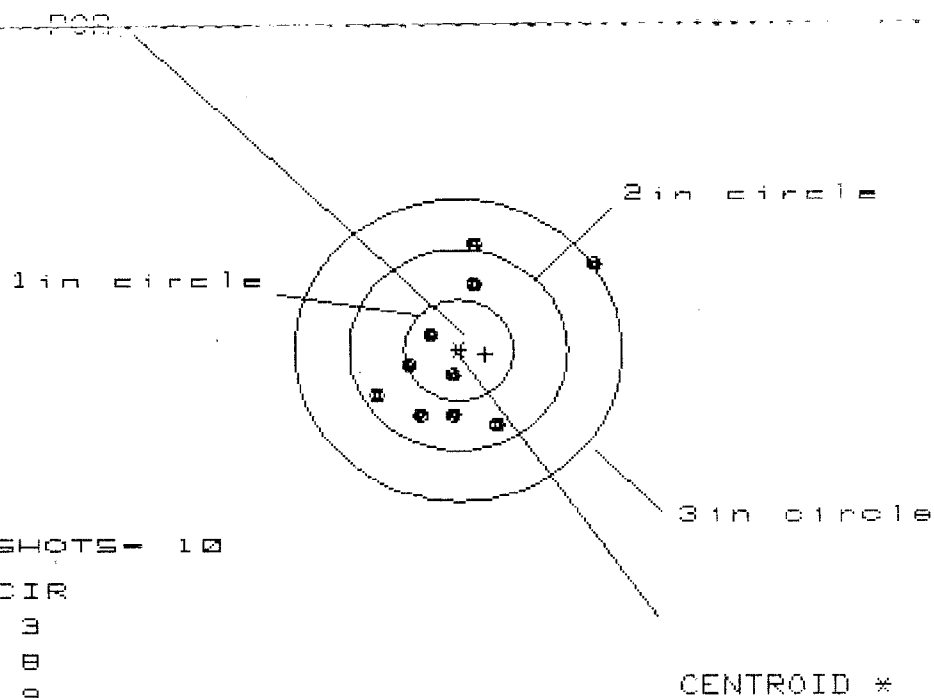
GS= 2.618

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.758  | .551   | .617  |
| MINIMUM X                     | -.815  | -.620  | -.554 |
| MAXIMUM Y                     | .725   | .732   | .594  |
| MINIMUM Y                     | -1.110 | -1.103 | -.555 |
| CENTROID X                    | .076   | -.119  | -.185 |
| CENTROID Y                    | .700   | .693   | .831  |
| POA TO CENTROID in.           | .704   | .704   | .852  |
| MIN RADIUS                    | .213   | .197   | .062  |
| MEAN RADIUS                   | .762   | .617   | .511  |
| MAX RADIUS                    | 1.759  | 1.223  | .830  |
| HORIZONTAL SPREAD             | 2.573  | 1.171  | 1.171 |
| VERTICAL SPREAD               | 1.835  | 1.835  | 1.149 |
| EXTREME SPREAD                | 2.618  | 2.015  | 1.521 |
| 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/C6587748

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.968

VS= 1.774

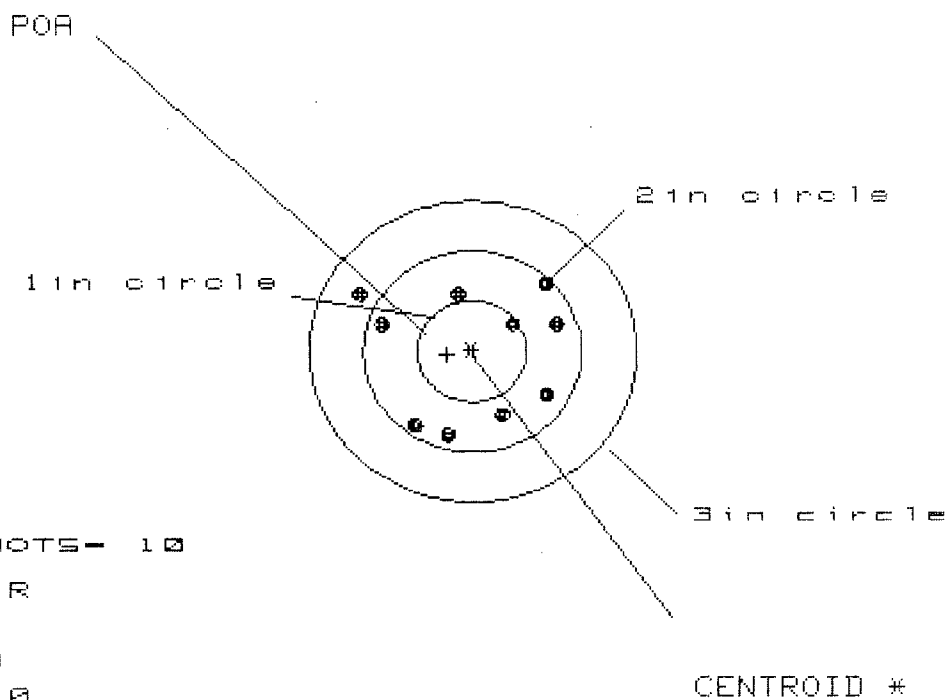
GS= 2.395

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 2     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.222 | .476  | .507  |
| MINIMUM X                   | : | -.746 | -.610 | -.579 |
| MAXIMUM Y                   | : | 1.061 | 1.161 | .919  |
| MINIMUM Y                   | : | -.713 | -.613 | -.468 |
| CENTROID X                  | : | -.247 | -.383 | -.414 |
| CENTROID Y                  | : | .042  | -.058 | -.203 |
| POB TO CENTROID in.         | : | .250  | .387  | .461  |
| MIN RADIUS                  | : | .205  | .148  | .144  |
| MEAN RADIUS                 | : | .718  | .585  | .486  |
| MAX RADIUS                  | : | 1.515 | 1.187 | .963  |
| HORIZONTAL SPREAD           | : | 1.968 | 1.086 | 1.086 |
| VERTICAL SPREAD             | : | 1.774 | 1.774 | 1.387 |
| EXTREME SPREAD              | : | 2.395 | 1.788 | 1.435 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9     |       |

27 Mar 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

----- CENTERFIRE PATTERNS ----#--3-----



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 9

3in = 10

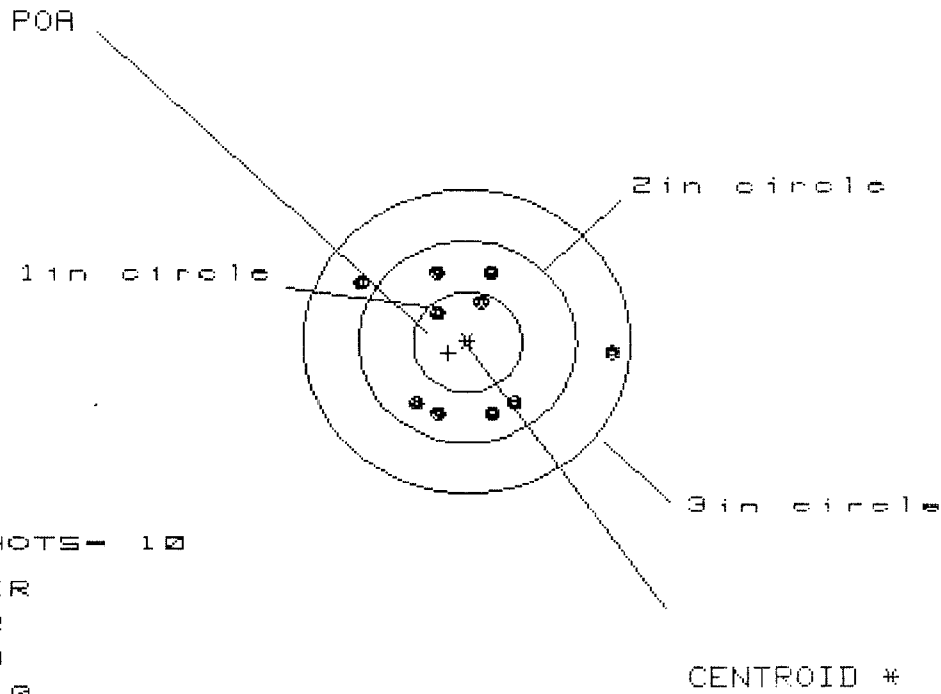
HS- 1.815

VS= 1.495

GS= 1.917

| PATTERN #                     | 3      |       |       |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .796   | .683  | .751  |
| MINIMUM X                     | -1.019 | -.906 | -.838 |
| MAXIMUM Y                     | .675   | .736  | .756  |
| MINIMUM Y                     | -.820  | -.759 | -.667 |
| CENTROID X                    | .229   | .342  | .274  |
| CENTROID Y                    | .029   | -.032 | -.124 |
| POA TO CENTROID in.           | .231   | .344  | .301  |
| MIN RADIUS                    | .489   | .445  | .522  |
| MEAN RADIUS                   | .808   | .752  | .729  |
| MAX RADIUS                    | 1.159  | .966  | .941  |
| HORIZONTAL SPREAD             | 1.815  | 1.589 | 1.589 |
| VERTICAL SPREAD               | 1.495  | 1.495 | 1.423 |
| EXTREME SPREAD                | 1.917  | 1.842 | 1.648 |
| NUMBER IN ONE INCH CIRCLE =   |        | 1     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 9     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 10    |       |

## CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in - 2

2 in - 8

3 in - 10

HS - 2.284

VS - 1.450

GS - 2.384

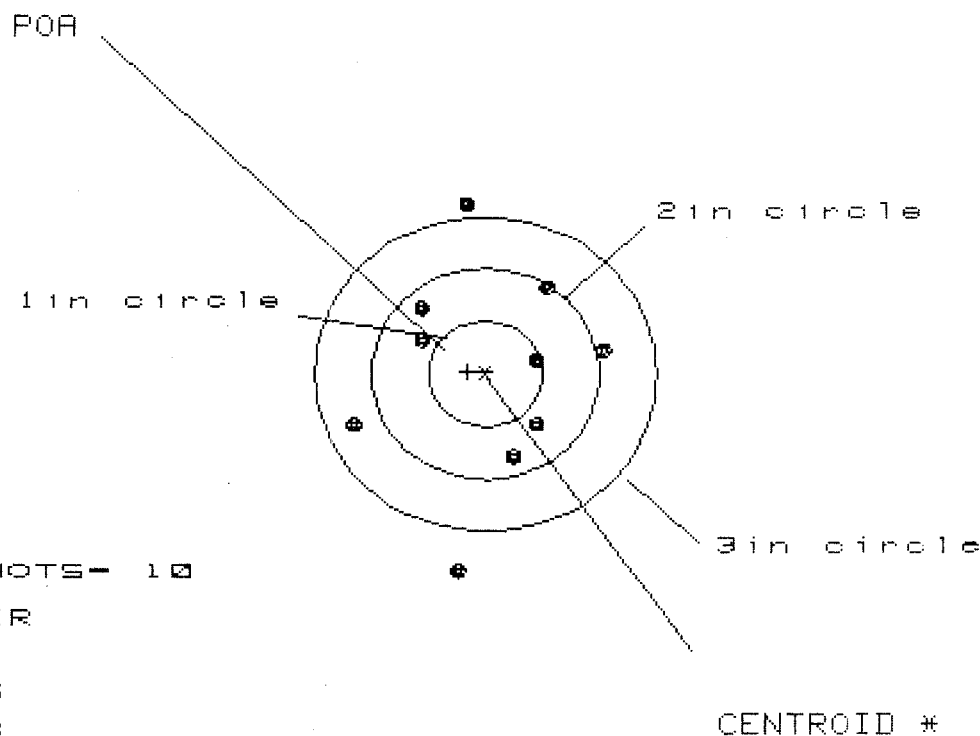
| PATTERN #                     | 4      | 9     | 8     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.283  | .535  | .428  |
| MINIMUM X                     | -1.001 | -.859 | -.388 |
| MAXIMUM Y                     | .726   | .711  | .777  |
| MINIMUM Y                     | -.724  | -.739 | -.673 |
| CENTROID X                    | .172   | .030  | .137  |
| CENTROID Y                    | .103   | .118  | .052  |
| POA TO CENTROID in.           | .201   | .122  | .147  |
| MIN RADIUS                    | .446   | .368  | .482  |
| MEAN RADIUS                   | .773   | .704  | .661  |
| MAX RADIUS                    | 1.290  | 1.010 | .822  |
| HORIZONTAL SPREAD             | 2.284  | 1.394 | .816  |
| VERTICAL SPREAD               | 1.450  | 1.450 | 1.450 |
| EXTREME SPREAD                | 2.384  | 1.793 | 1.538 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 8      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |       |       |



27 Mar 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.251

VS= 3.482

GS= 3.484

| PATTERN #                   | : | 5      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.092  | 1.064  | 1.042  |
| MINIMUM X                   | : | -1.159 | -1.187 | -1.209 |
| MAXIMUM Y                   | : | 1.586  | 1.375  | .781   |
| MINIMUM Y                   | : | -1.896 | -.986  | -.814  |
| CENTROID X                  | : | .157   | .185   | .207   |
| CENTROID Y                  | : | -.021  | .190   | .018   |
| POA TO CENTROID in.         | : | .159   | .265   | .207   |
| MIN RADIUS                  | : | .474   | .448   | .418   |
| MEAN RADIUS                 | : | 1.025  | .909   | .836   |
| MAX RADIUS                  | : | 1.913  | 1.395  | 1.332  |
| HORIZONTAL SPREAD           | : | 2.251  | 2.251  | 2.251  |
| VERTICAL SPREAD             | : | 3.482  | 2.361  | 1.595  |
| EXTREME SPREAD              | : | 3.484  | 2.391  | 2.358  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587748

| OP. #        | OP. NAME                                                       | READINGS | DATE | INITIAL |
|--------------|----------------------------------------------------------------|----------|------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          |      |         |
| 600          | Proof                                                          |          |      |         |
| 607          | Check Headspace                                                |          |      |         |
| 610          | Dis-assemble Gun                                               |          |      |         |
| 612          | Magnaflux Barrel<br>Action                                     |          |      |         |
|              | Magnaflux Bolt                                                 |          |      |         |
| 615          | Rollmark Caliber                                               |          |      |         |
| 617          | Drill and Tap Sight Holes                                      |          |      |         |
| 618          | Polish Barrel                                                  |          |      |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |      |         |
|              | Apply Coating (Bolt)                                           |          |      |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |      |         |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |      |         |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |      |         |
|              | D) Oil Firing Pin Ass'y                                        |          |      |         |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |      |         |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT         |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|--------------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 5/29/96 | <del>A</del> |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5/29/96 | <del>A</del> |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      |         |              |
|              | I) Firing Pin Indent                                        |          |      |      |      |      |         |              |
|              | 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                                             | 2.53     | 2.53 | 2.48 | 2.43 | 2.57 | 5/29/96 | W3           |
|              | C) Function                                                 |          |      |      |      |      |         |              |
| 660          | Pack                                                        |          |      |      |      |      |         |              |

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

**MODEL 700™ H24**

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

**SERIAL NO.**  
**C6587748**

**ORDER NO.**  
**5716**

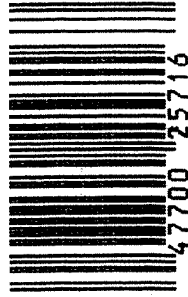
**Ø1**

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



5716 C6587748

UPC



0 47700 25716 7

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 658774P

| OP. #     | OP. NAME                                                 | READINGS | DATE     | INIT |
|-----------|----------------------------------------------------------|----------|----------|------|
| 575 & 580 | Assemble Action and Stock                                |          | 10/18/90 | KA   |
| 600       | Proof                                                    |          | 10/18/90 | KA   |
| 607       | Check Headspace                                          |          | 10/18/90 | KA   |
| 610       | Dis-assemble Gun                                         |          | 10/18/90 | KA   |
| 612       | Magnaflux Barrel Action                                  |          | 10/22/90 | KR   |
|           | Magnaflux Bolt                                           |          | 10/22    | KR   |
| 615       | Rollmark Caliber                                         |          | 10/27    | GL   |
| 617       | Drill and Tap Sight Holes                                |          | 10/27/90 | KB   |
| 618       | Polish Barrel <i>KB</i>                                  |          | 10/24/90 | KB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 11/6/90  | TA   |
|           | Apply Coating (Bolt)                                     |          |          |      |
| 625       | Final Assembly                                           |          | 11-6-90  | KS   |
|           | A) Clean inside of Bolt Assembly                         |          |          |      |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 11-6-90  | KS   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 11-6-90  | KS   |
|           | D) Oil Firing Pin Ass'y                                  |          | 11-6-90  | KS   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 11-8-90  | KA   |

| op. #        | OP. NAME                                                    | READINGS |       |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4.3/4    | 5.0   | 5.0  | 11/7/90  | KS   |
|              | G) Safety Off Force                                         | 3.0      | 2.3/4 | 3.0  | 11/7/90  | KS   |
|              | H) Trigger Pull Test & Retainability                        |          |       |      | 11-8-90  | JH   |
|              | I) Firing Pin Indent                                        | .021     | .021  | .022 | 11/7/90  | KS   |
|              | J) Assemble Stock                                           |          |       |      | 11/8/90  | KS   |
|              | K) Assemble Swivel Studs                                    |          |       |      | 11-20-90 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      | 11/8/90  | KS   |
|              | M) Iron Sight Alignment                                     |          |       |      | 11/8/90  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      | 11/8/90  | KS   |
|              | O) Attach Scope to Rifle                                    |          |       |      | 11/8/90  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      | 11/8/90  | KS   |
| 640          | Gallery Target & Test                                       |          |       |      | 11-9-90  | KL   |
|              | A) Time                                                     |          |       |      | 11-9-90  | KL   |
|              | B) Malfunctions                                             |          |       |      | 11-9-90  | KL   |
|              | C) Pierced Primers                                          |          |       |      | 11-9-90  | KL   |
|              | D) Optical Clarity of Scope                                 |          |       |      | 11-9-90  | KL   |
| 645          | Inspect for Live Ammo                                       |          |       |      | 11-9-90  | KL   |
| 655          | Final Inspection                                            |          |       |      |          |      |
|              | A) Headspace                                                |          |       |      | 11-20-90 | DH   |
|              | B) Trigger Pull                                             | 232      | 234   | 232  | 11-20-90 | DH   |
|              | C) Function                                                 |          |       |      | 11-20-90 | DH   |
| 660          | Pack                                                        |          |       |      | 12-19-90 | DH   |

SWS TRIGGER PULL TEST

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

SERIAL NO. 06587748  
DATE 11-8-90  
TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.12             | 2.15                     | 2.33                           | 2.32 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.14             | 2.35                     | 2.14                           | 2.34 |                                                                        |
| PULL #3 | 2.17             | 2.30                     | 2.46                           | 2.32 |                                                                        |
| PULL #4 | 2.24             | 2.12                     | 2.47                           | 2.35 |                                                                        |
| PULL #5 | 2.25             | 2.38                     | 2.49                           | 2.35 |                                                                        |
| TOTAL   | 10.92            | 11.30                    | 11.89                          |      |                                                                        |
| AVG.    | 2.184            | 2.26                     | 2.378                          |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.42             | 3.33                     |  |          |
| PULL #2 | 3.28             | 3.33                     |  |          |
| PULL #3 | 3.33             | 3.35                     |  |          |
| PULL #4 | 3.49             | 3.47                     |  |          |
| PULL #5 | 3.33             | 3.34                     |  |          |
| TOTAL   | 16.85            | 16.79                    |  |          |
| AVG.    | 3.37             | 3.354                    |  |          |

|         | 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 | 4.31             | 4.25                     |                                | 4.26                                 |
| PULL #2 | 4.30             | 4.27                     |                                | 4.32                                 |
| PULL #3 | 4.36             | 4.30                     |                                | 4.32                                 |
| PULL #4 | 4.30             | 4.33                     |                                | 4.29                                 |
| PULL #5 | 4.13             | 4.37                     |                                | 4.36                                 |
| TOTAL   | 21.40            | 21.52                    |                                | 21.55                                |
| AVG.    | 4.28             | 4.304                    |                                | 4.31                                 |

# INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587748  
12 Dec 1990

## CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .509836 |
| 1 TO | 2 | .406591 |
| 1 TO | 3 | .50698  |
| 1 TO | 4 | .736523 |
| 1 TO | 5 | .662861 |

<sup>1</sup>  
54 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1774  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.054  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .185437  
THE AMR FOR THIS RIFLE IS: .8842



12 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587748

# CENTERFIRE PATTERNS

# 1

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in - 1

2 in - 5

3 in - 9

HS- 2.398

VS- 2.031

GS- 2.669

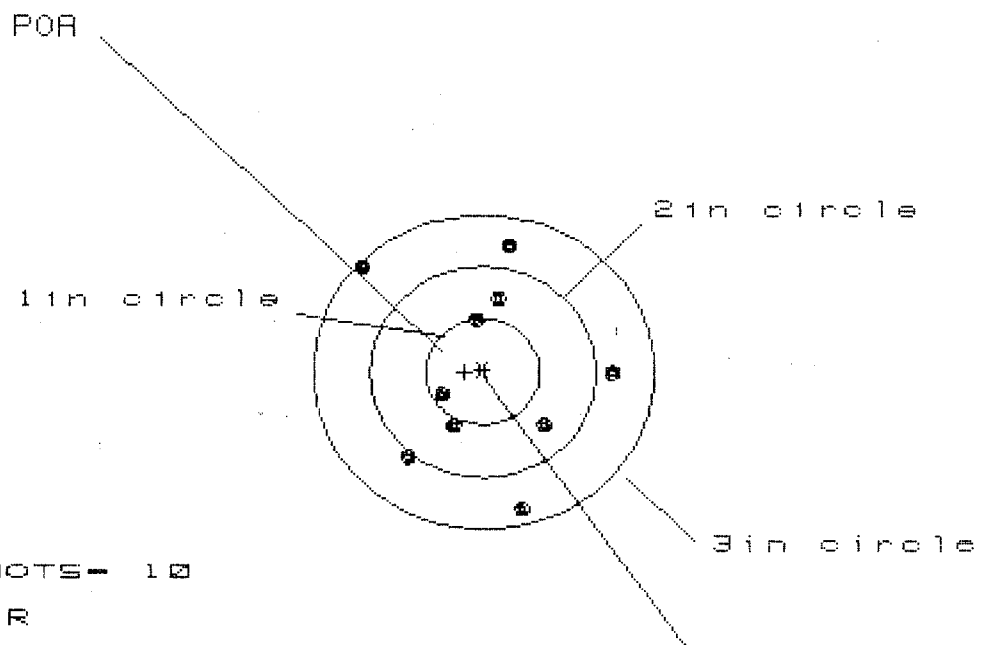
CENTROID \*

| PATTERN #                   | : | 1      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.224  | 1.324  | 1.395 |
| MINIMUM X                   | : | -1.175 | -1.074 | -.908 |
| MAXIMUM Y                   | : | 1.269  | .607   | .571  |
| MINIMUM Y                   | : | -.762  | -.621  | -.545 |
| CENTROID X                  | : | .363   | .263   | .097  |
| CENTROID Y                  | : | .358   | .217   | .141  |
| POA TO CENTROID in.         | : | .510   | .341   | .171  |
| MIN RADIUS                  | : | .106   | .111   | .293  |
| MEAN RADIUS                 | : | .978   | .886   | .801  |
| MAX RADIUS                  | : | 1.560  | 1.457  | 1.399 |
| HORIZONTAL SPREAD           | : | 2.398  | 2.398  | 2.303 |
| VERTICAL SPREAD             | : | 2.031  | 1.228  | 1.116 |
| EXTREME SPREAD              | : | 2.669  | 2.529  | 2.402 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.233

VS= 2.529

GS= 2.763

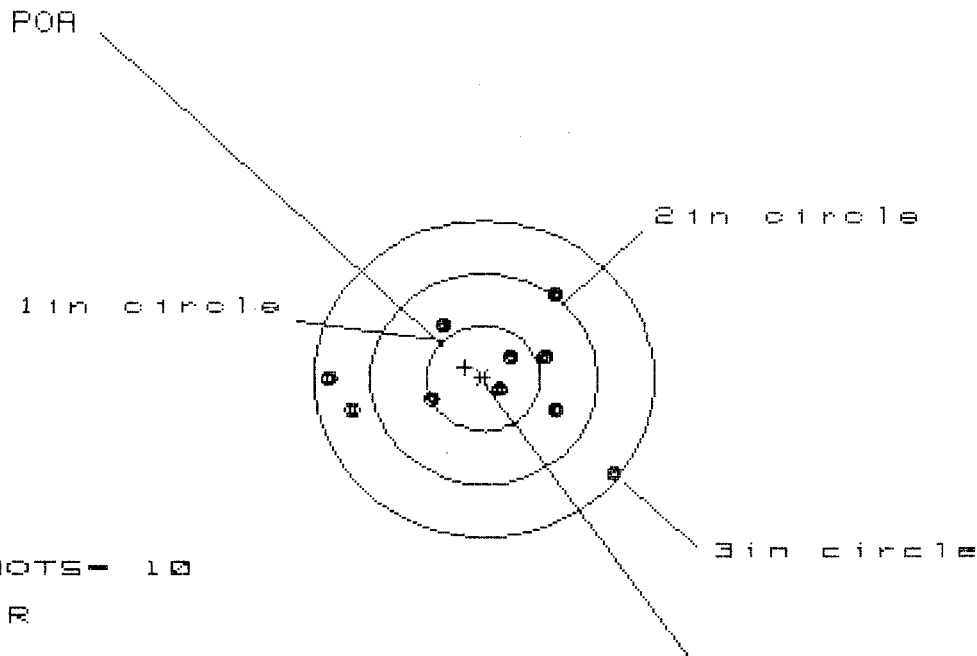
CENTROID #

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.140  | 1.019  | 1.044 |
| MINIMUM X                   | : | -1.093 | -.741  | -.716 |
| MAXIMUM Y                   | : | 1.188  | 1.303  | 1.150 |
| MINIMUM Y                   | : | -1.341 | -1.226 | -.876 |
| CENTROID X                  | : | .163   | .284   | .259  |
| CENTROID Y                  | : | .084   | -.111  | .042  |
| POA TO CENTROID in.         | : | .163   | .305   | .262  |
| MIN RADIUS                  | : | .367   | .444   | .469  |
| MEAN RADIUS                 | : | .922   | .853   | .795  |
| MAX RADIUS                  | : | 1.502  | 1.308  | 1.158 |
| HORIZONTAL SPREAD           | : | 2.233  | 1.760  | 1.760 |
| VERTICAL SPREAD             | : | 2.529  | 2.529  | 2.026 |
| EXTREME SPREAD              | : | 2.763  | 2.531  | 2.200 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587748

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.517

VS= 1.763

GS= 2.692

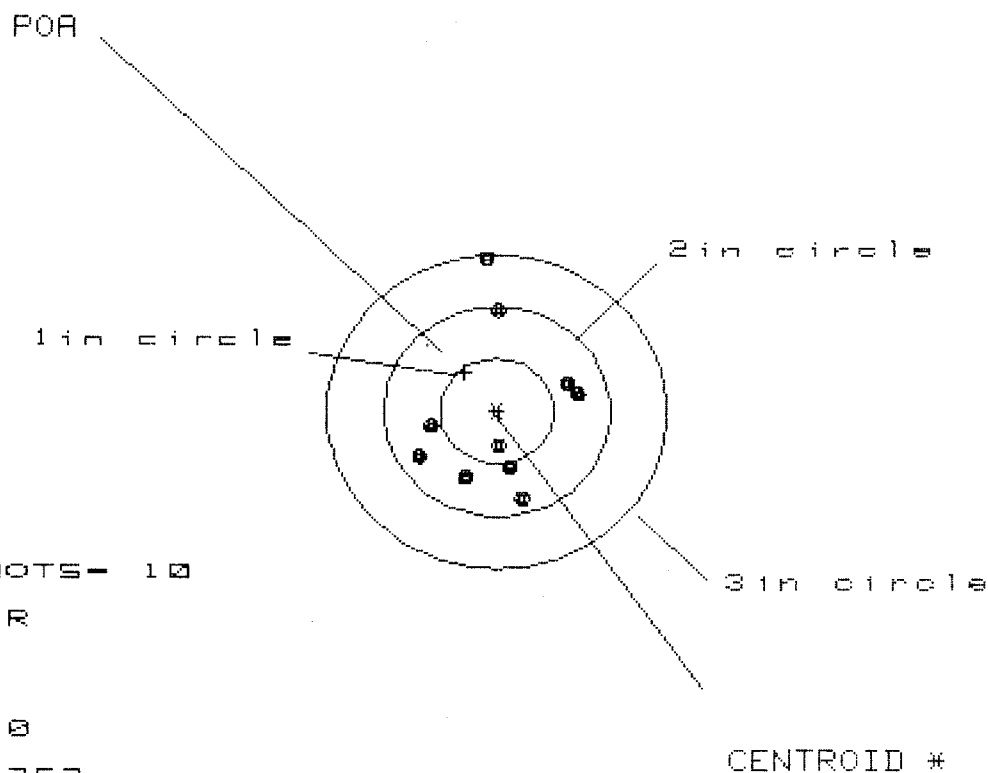
CENTROID #

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.185  | .755   | .605   |
| MINIMUM X                   | : | -1.332 | -1.200 | -1.155 |
| MAXIMUM Y                   | : | .844   | .742   | .734   |
| MINIMUM Y                   | : | -.919  | -.427  | -.435  |
| CENTROID X                  | : | .161   | .029   | .179   |
| CENTROID Y                  | : | -.107  | -.005  | .004   |
| POA TO CENTROID in.         | : | .193   | .029   | .179   |
| MIN RADIUS                  | : | .144   | .310   | .212   |
| MEAN RADIUS                 | : | .808   | .739   | .648   |
| MAX RADIUS                  | : | 1.500  | 1.202  | 1.234  |
| HORIZONTAL SPREAD           | : | 2.517  | 1.955  | 1.760  |
| VERTICAL SPREAD             | : | 1.763  | 1.169  | 1.169  |
| EXTREME SPREAD              | : | 2.692  | 2.115  | 2.113  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 9

3in = 10

HS- 1.357

VS= 2.310

GS= 2.336

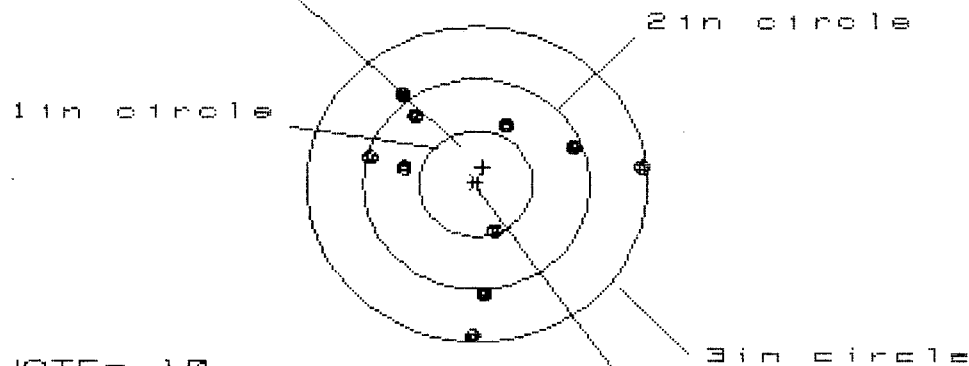
| PATTERN #                   | : | 4     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .673  | .663  | .661  |
| MINIMUM X                   | : | -.684 | -.694 | -.696 |
| MAXIMUM Y                   | : | 1.448 | 1.142 | .566  |
| MINIMUM Y                   | : | -.862 | -.701 | -.559 |
| CENTROID X                  | : | .285  | .295  | .297  |
| CENTROID Y                  | : | -.371 | -.532 | -.674 |
| POA TO CENTROID in.         | : | .467  | .608  | .737  |
| MIN RADIUS                  | : | .321  | .160  | .030  |
| MEAN RADIUS                 | : | .766  | .646  | .539  |
| MAX RADIUS                  | : | 1.451 | 1.142 | .832  |
| HORIZONTAL SPREAD           | : | 1.357 | 1.357 | 1.357 |
| VERTICAL SPREAD             | : | 2.310 | 1.843 | 1.125 |
| EXTREME SPREAD              | : | 2.336 | 1.861 | 1.490 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 5

POA



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.397

VS= 2.257

GS= 2.401

CENTROID #

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 5      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.462  | 1.018  | 1.031  |
| MINIMUM X                     | : | -.935  | -.773  | -.760  |
| MAXIMUM Y                     | : | .820   | .840   | .662   |
| MINIMUM Y                     | : | -1.437 | -1.417 | -1.223 |
| CENTROID X                    | : | -.058  | -.220  | -.233  |
| CENTROID Y                    | : | -.154  | -.174  | .004   |
| POA TO CENTROID in.           | : | .165   | .280   | .233   |
| MIN RADIUS                    | : | .483   | .499   | .465   |
| MEAN RADIUS                   | : | .947   | .873   | .774   |
| MAX RADIUS                    | : | 1.472  | 1.421  | 1.254  |
| HORIZONTAL SPREAD             | : | 2.397  | 1.791  | 1.791  |
| VERTICAL SPREAD               | : | 2.257  | 2.257  | 1.885  |
| EXTREME SPREAD                | : | 2.401  | 2.339  | 2.039  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10     |        |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587748  
18 Nov 1990

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .144031  |
| 1 TO | 2 | .0832406 |
| 1 TO | 3 | .267434  |
| 1 TO | 4 | .08228   |
| 1 TO | 5 | .235919  |



<----POR

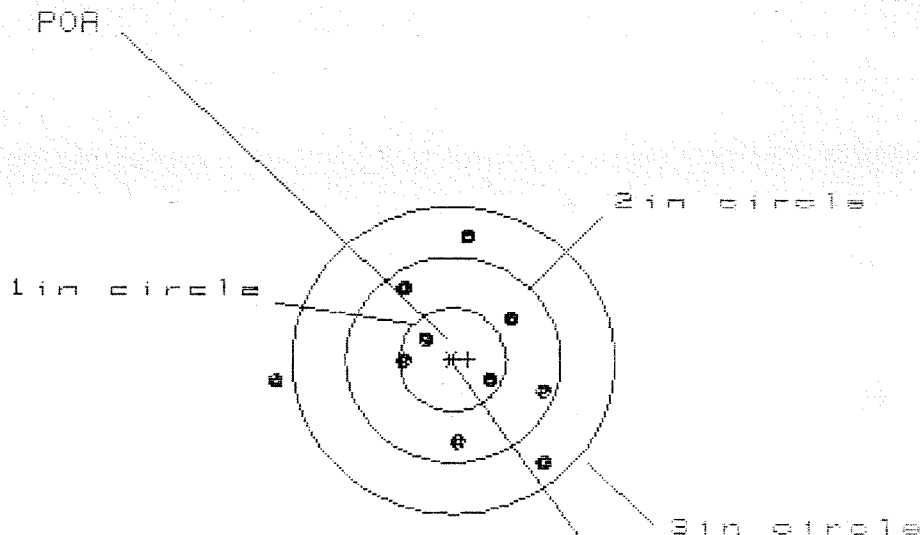
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0774  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0128  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0784513

THE AMR FOR THIS RIFLE IS: 1.091

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in - 3

2in - 7

3in - 9

HS- 2.492

VS= 2.219

GS= 2.630

CENTROID #

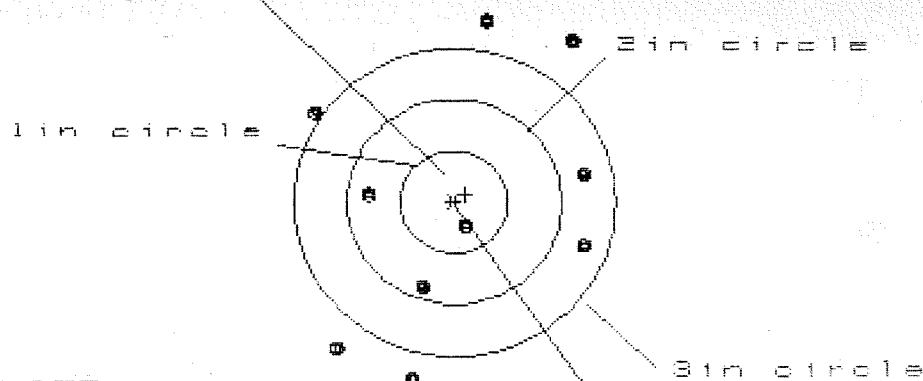
| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .835   | .651   | .703  |
| MINIMUM X                     | -1.657 | -.674  | -.593 |
| MAXIMUM Y                     | 1.174  | 1.151  | 1.018 |
| MINIMUM Y                     | -1.045 | -1.068 | -.939 |
| CENTROID X                    | -.144  | .040   | -.041 |
| CENTROID Y                    | -.003  | .020   | .153  |
| POA TO CENTROID in.           | .144   | .045   | .159  |
| MIN RADIUS                    | .376   | .237   | .391  |
| MEAN RADIUS                   | .860   | .756   | .689  |
| MAX RADIUS                    | 1.670  | 1.251  | 1.022 |
| HORIZONTAL SPREAD             | 2.492  | 1.325  | 1.296 |
| VERTICAL SPREAD               | 2.219  | 2.219  | 1.957 |
| EXTREME SPREAD                | 2.630  | 2.310  | 1.960 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

9 Nov 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/C0587748

# CENTERFIRE PATTERNS # 2

POR



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 3

3in = 5

HS= 2.561

VS= 3.435

GS= 3.690

CENTROID #

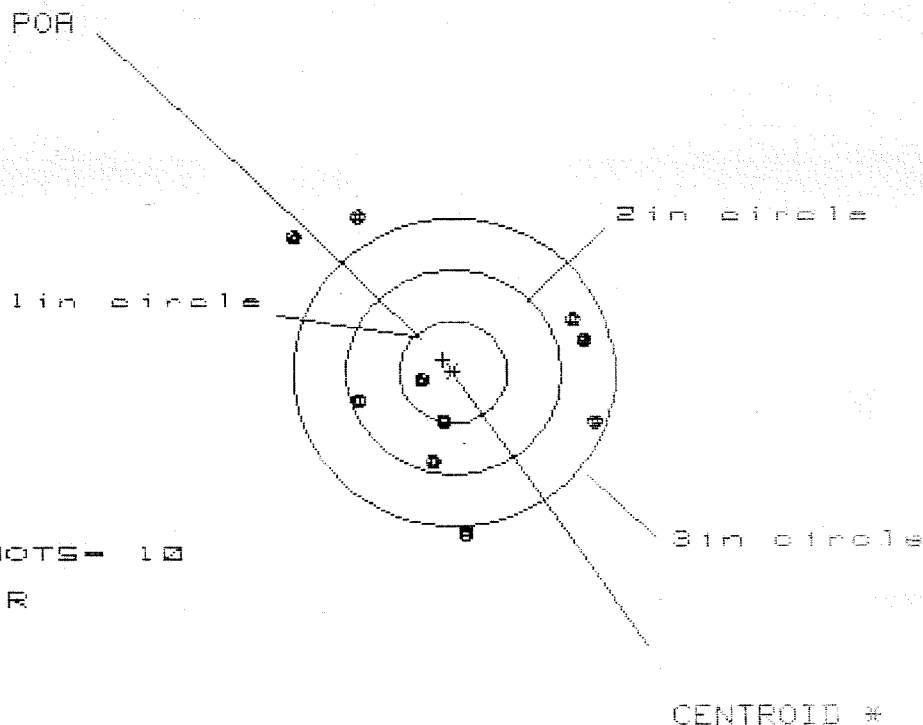
| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.249  | 1.374  | 1.247  |
| MINIMUM X                   | : | -1.312 | -1.187 | -1.314 |
| MAXIMUM Y                   | : | 1.741  | 1.911  | 1.760  |
| MINIMUM Y                   | : | -1.694 | -1.524 | -1.675 |
| CENTROID X                  | : | -.104  | -.229  | -.102  |
| CENTROID Y                  | : | -.076  | -.246  | -.095  |
| POR TO CENTROID in.         | : | .129   | .336   | .139   |
| MIN RADIUS                  | : | .290   | .253   | .272   |
| MEAN RADIUS                 | : | 1.321  | 1.226  | 1.187  |
| MAX RADIUS                  | : | 1.900  | 1.949  | 1.778  |
| HORIZONTAL SPREAD           | : | 2.561  | 2.561  | 2.561  |
| VERTICAL SPREAD             | : | 3.435  | 3.435  | 3.435  |
| EXTREME SPREAD              | : | 3.690  | 3.493  | 3.493  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |



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FILE:/PATTERNING/CENTERFIRE\_PATT/C6587748

# CENTERFIRE PATTERNS # 3

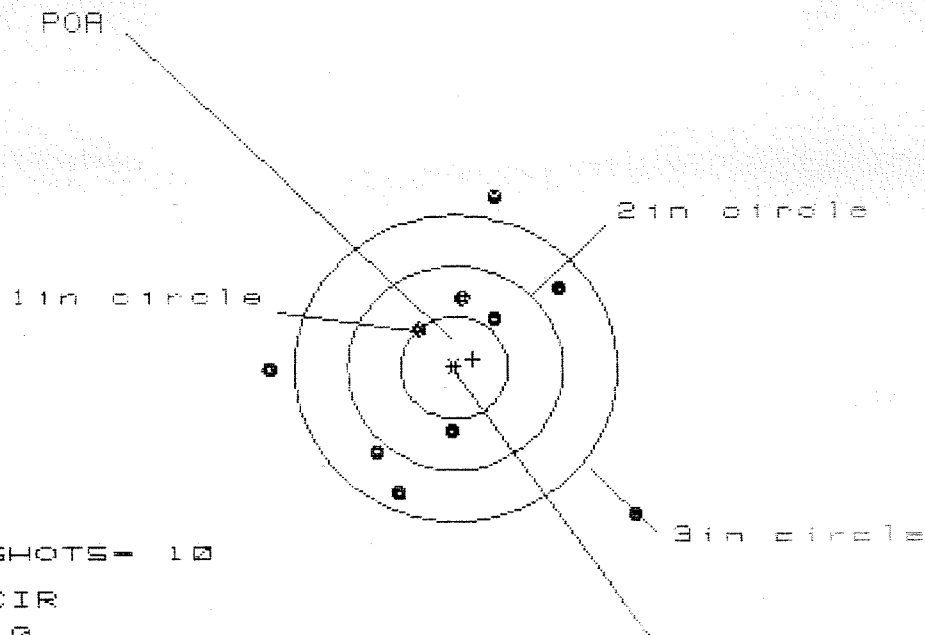


|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 3      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.276  | 1.116  | .988   |
| MINIMUM X                     | : | -1.448 | -1.064 | -1.192 |
| MAXIMUM Y                     | : | 1.501  | 1.653  | .869   |
| MINIMUM Y                     | : | -1.548 | -1.396 | -1.189 |
| CENTROID X                    | : | .095   | .255   | .383   |
| CENTROID Y                    | : | -.123  | -.275  | -.482  |
| POA TO CENTROID in.           | : | .155   | .376   | .616   |
| MIN RADIUS                    | : | .308   | .402   | .375   |
| MEAN RADIUS                   | : | 1.172  | 1.057  | .927   |
| MAX RADIUS                    | : | 1.992  | 1.945  | 1.198  |
| HORIZONTAL SPREAD             | : | 2.724  | 2.180  | 2.180  |
| VERTICAL SPREAD               | : | 3.049  | 3.049  | 2.058  |
| EXTREME SPREAD                | : | 3.322  | 3.211  | 2.261  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 7      |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/06587748

# CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in - 0

2 in - 4

3 in - 7

HS - 3.362

VS - 3.140

GS - 3.662

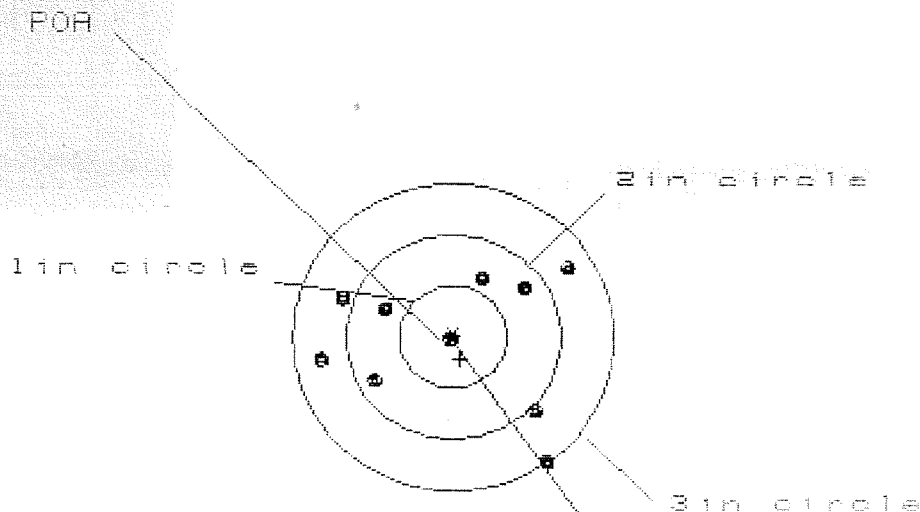
CENTROID \*

| PATTERN #                     | 4      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.622  | 1.149  | .954   |
| MINIMUM X                     | -1.740 | -1.559 | -.742  |
| MAXIMUM Y                     | 1.685  | 1.523  | 1.503  |
| MINIMUM Y                     | -1.455 | -1.367 | -1.387 |
| CENTROID X                    | -.167  | -.348  | -.153  |
| CENTROID Y                    | -.082  | .080   | .100   |
| POA TO CENTROID in.           | .186   | .357   | .183   |
| MIN RADIUS                    | .535   | .297   | .427   |
| MEAN RADIUS                   | 1.176  | 1.036  | .951   |
| MAX RADIUS                    | 2.179  | 1.622  | 1.546  |
| HORIZONTAL SPREAD             | 3.362  | 2.708  | 1.696  |
| VERTICAL SPREAD               | 3.140  | 2.890  | 2.890  |
| EXTREME SPREAD                | 3.662  | 3.020  | 3.020  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/06587748

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.279

VS= 1.954

GS= 2.561

CENTROID \*

| PATTERN #                   | : | 5      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.046  | 1.146  | .988  |
| MINIMUM X                   | : | -1.233 | -1.133 | -.990 |
| MAXIMUM Y                   | : | .695   | .555   | .554  |
| MINIMUM Y                   | : | -1.259 | -.837  | -.767 |
| CENTROID X                  | : | -.067  | -.167  | -.310 |
| CENTROID Y                  | : | .220   | .360   | .290  |
| POA TO CENTROID in.         | : | .230   | .397   | .425  |
| MIN RADIUS                  | : | .018   | .166   | .259  |
| MEAN RADIUS                 | : | .927   | .850   | .788  |
| MAX RADIUS                  | : | 1.548  | 1.273  | 1.251 |
| HORIZONTAL SPREAD           | : | 2.279  | 2.279  | 1.978 |
| VERTICAL SPREAD             | : | 1.954  | 1.392  | 1.321 |
| EXTREME SPREAD              | : | 2.561  | 2.439  | 2.110 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |