

C6225100

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5715

\*Includes 1 in chamber.

Remington

M2400048948

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

Call  
800-441-1111

# RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER  
R 94-18190

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 0385

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE SERIAL NUMBER C6225100 NEW SERIAL NUMBER MODEL AND GRADE 700 7-62 NATO  
ACCESSORIES 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.DL

|                                       |                    |                                |            |           |               |
|---------------------------------------|--------------------|--------------------------------|------------|-----------|---------------|
| ACCOUNT NUMBER                        | ACCOUNT NUMBER N/C | WRITE <input type="checkbox"/> | PROM. DATE | ESTIMATED | VIA           |
|                                       |                    |                                | FRT        |           |               |
| GUN CONDITION                         |                    |                                |            |           | REPAIR CHARGE |
| <input type="checkbox"/> NEW          |                    |                                |            |           | EXCISE        |
| <input type="checkbox"/> LIGHTLY WORN |                    |                                |            |           | TAX           |
| <input type="checkbox"/> WORN         |                    |                                |            |           | INSURANCE     |
| <input type="checkbox"/> VERY WORN    |                    |                                |            |           | UPS           |
| <input type="checkbox"/> UNREPAIRABLE |                    |                                |            |           | PARCEL POST   |
| <input type="checkbox"/> MARRED       |                    |                                |            |           | 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

|                           |                |       |       |         |         |         |
|---------------------------|----------------|-------|-------|---------|---------|---------|
| ARTS                      | COMMENTS       |       |       |         |         |         |
| ✓ Barrel                  |                |       |       |         |         |         |
| ✓ Stock                   |                |       |       |         |         |         |
| ✓ Trigger Assy            |                |       |       |         |         |         |
| ✓ Firing pin Assy         |                |       |       |         |         |         |
| ✓ Mag Spring              |                |       |       |         |         |         |
| ✓ Bolt Stop               |                |       |       |         |         |         |
| ✓ Front & Rear Sight Assy |                |       |       |         |         |         |
|                           |                |       |       |         |         |         |
|                           |                |       |       |         |         |         |
|                           |                |       |       |         |         |         |
|                           |                |       |       |         |         |         |
|                           | REPAIRMAN      | PROOF | CLEAN | TEST    | TARGET  | PATTERN |
|                           |                |       |       | ✓       | ✓       |         |
|                           | GALLERY TESTER | DATE  | DATE  | DATE    | DATE    | DATE    |
|                           |                |       |       | 4/12/96 | 4/12/96 |         |

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400048949

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225/100

DATE 3-25-96

TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |  | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|--|------------------------------------------------------------------------|
| PULL #1 | 2.44             | 2.41                     | 2.74                           |  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.24             | 2.54                     | 2.48                           |  |                                                                        |
| PULL #3 | 2.34             | 2.55                     | 2.49                           |  |                                                                        |
| PULL #4 | 2.67             | 2.69                     | 2.69                           |  |                                                                        |
| PULL #5 | 2.59             | 2.36                     | 2.67                           |  |                                                                        |
| TOTAL   | 12.28            | 12.55                    | 13.07                          |  |                                                                        |
| AVG.    | 2.45             | 2.51                     | 2.61                           |  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.06             | 2.95                     |  |          |
| PULL #2 | 3.24             | 3.02                     |  |          |
| PULL #3 | 2.93             | 2.94                     |  |          |
| PULL #4 | 2.93             | 3.15                     |  |          |
| PULL #5 | 3.06             | 2.95                     |  |          |
| TOTAL   | 15.22            | 15.01                    |  |          |
| AVG.    | 3.04             | 3.00                     |  |          |

|         | 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 | 4.15             | 4.24                     |                                | 4.26                                 |
| PULL #2 | 4.10             | 4.10                     |                                | 4.35                                 |
| PULL #3 | 4.22             | 4.22                     |                                | 4.00                                 |
| PULL #4 | 4.21             | 4.10                     |                                | 4.37                                 |
| PULL #5 | 4.34             | 4.00                     |                                | 4.25                                 |
| TOTAL   | 21.02            | 20.66                    |                                | 21.23                                |
| AVG.    | 4.20             | 4.13                     |                                | 4.24                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225100  
11 Feb 1900

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .740987 |
| 1 TO | 2 | .896755 |
| 1 TO | 3 | .299261 |
| 1 TO | 4 | 1.4499  |
| 1 TO | 5 | .307156 |

4      5  
      f<sub>3</sub>  
+ z    <-----POA

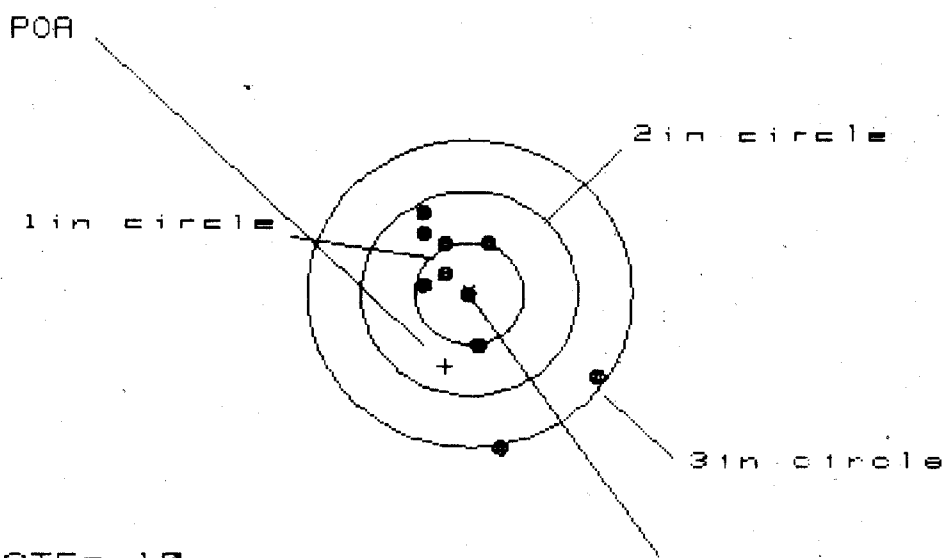
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0668  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5104  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .514753

THE AMR FOR THIS RIFLE IS: .9334

11 Feb 1900

FILE:/PATTERNING/CENTERFIRE\_PATT/06225100

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.594

VS = 2.278

GS = 2.395

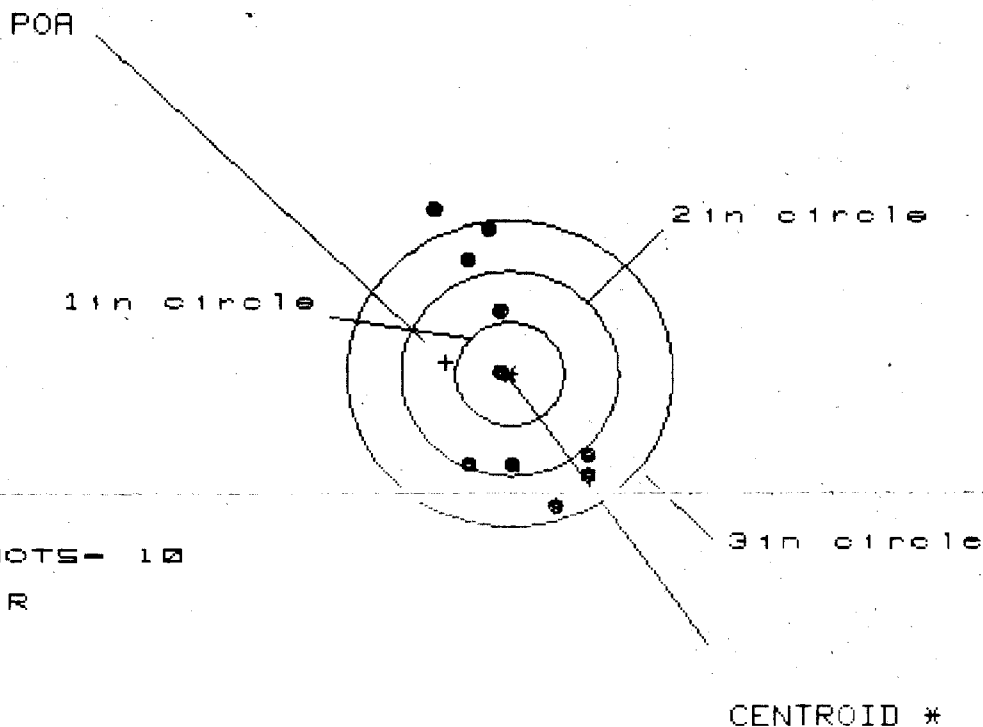
CENTROID \*

| PATTERN #                     | : | 1      | 9     | 8     |
|-------------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | 1.147  | 1.181 | .376  |
| MINIMUM X                     | : | -.447  | -.413 | -.266 |
| MAXIMUM Y                     | : | .820   | .658  | .539  |
| MINIMUM Y                     | : | -1.458 | -.947 | -.747 |
| CENTROID X                    | : | .225   | .191  | .044  |
| CENTROID Y                    | : | .706   | .868  | .987  |
| POA TO CENTROID in.           | : | .741   | .889  | .988  |
| MIN RADIUS                    | : | .032   | .143  | .085  |
| MEAN RADIUS                   | : | .686   | .560  | .399  |
| MAX RADIUS                    | : | 1.490  | 1.514 | .784  |
| HORIZONTAL SPREAD             | : | 1.594  | 1.594 | .642  |
| VERTICAL SPREAD               | : | 2.278  | 1.605 | 1.286 |
| EXTREME SPREAD                | : | 2.395  | 2.253 | 1.377 |
| NUMBER IN ONE INCH CIRCLE =   |   | 5      |       |       |
| NUMBER IN TWO INCH CIRCLE =   |   | 8      |       |       |
| NUMBER IN THREE INCH CIRCLE = |   | 10     |       |       |

11 Feb 1900

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225100

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 9

HS= 1.367

VS= 2.973

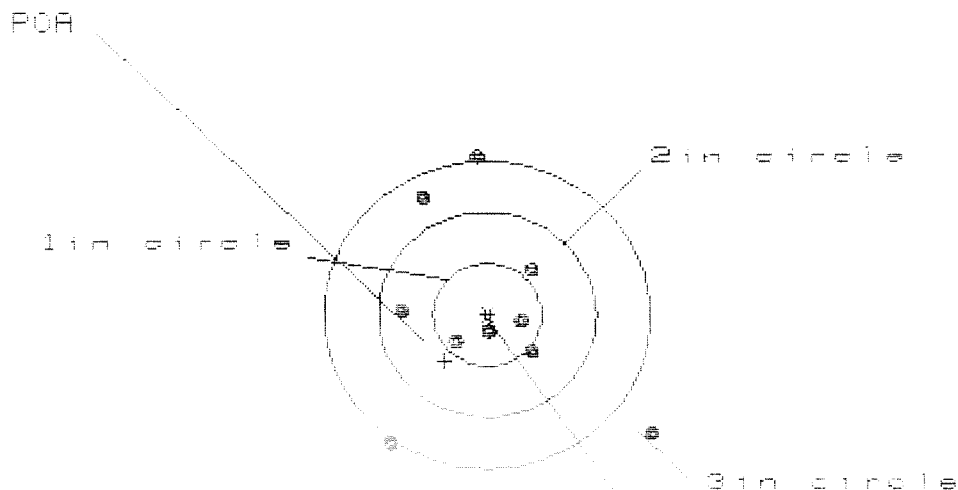
GS= 3.162

|                               |   |        |        |       |
|-------------------------------|---|--------|--------|-------|
| PATTERN #                     | : |        |        |       |
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | .694   | .619   | .592  |
| MINIMUM X                     | : | -.673  | -.494  | -.521 |
| MAXIMUM Y                     | : | 1.659  | 1.584  | 1.496 |
| MINIMUM Y                     | : | -1.314 | -1.129 | -.931 |
| CENTROID X                    | : | .588   | .663   | .690  |
| CENTROID Y                    | : | -.114  | -.299  | -.496 |
| POA TO CENTROID in.           | : | .599   | .727   | .850  |
| MIN RADIUS                    | : | .132   | .255   | .420  |
| MEAN RADIUS                   | : | 1.062  | .961   | .847  |
| MAX RADIUS                    | : | 1.791  | 1.599  | 1.585 |
| HORIZONTAL SPREAD             | : | 1.367  | 1.113  | 1.113 |
| VERTICAL SPREAD               | : | 2.973  | 2.713  | 2.428 |
| EXTREME SPREAD                | : | 3.162  | 2.768  | 2.564 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |       |

11 Feb 1900

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225100

# CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 2.356

VS= 2.806

GS= 3.130

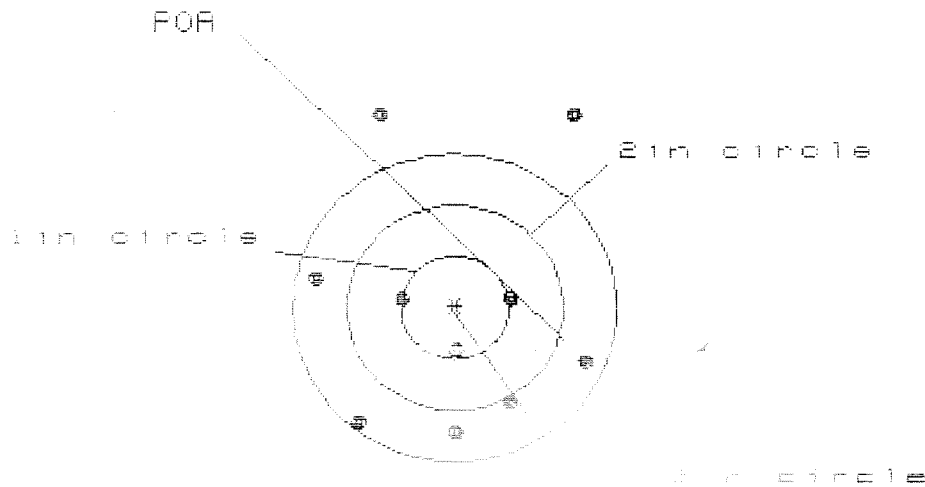
CENTROID +

| PATTERN #                   | : | 3      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.461  | .575   | .589   |
| MINIMUM X                   | : | -.895  | -.733  | -.719  |
| MAXIMUM Y                   | : | 1.587  | 1.459  | 1.196  |
| MINIMUM Y                   | : | -1.219 | -1.347 | -1.165 |
| CENTROID X                  | : | .391   | .229   | .215   |
| CENTROID Y                  | : | .457   | .585   | .403   |
| POA TO CENTROID in.         | : | .602   | .629   | .457   |
| MIN RADIUS                  | : | .160   | .318   | .183   |
| MEAN RADIUS                 | : | .903   | .819   | .699   |
| MAX RADIUS                  | : | 1.861  | 1.534  | 1.369  |
| HORIZONTAL SPREAD           | : | 2.356  | 1.308  | 1.308  |
| VERTICAL SPREAD             | : | 2.806  | 2.806  | 2.361  |
| EXTREME SPREAD              | : | 3.130  | 2.930  | 2.386  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225100

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 3

3 in = 8

IS= 2.502

VS= 3.026

GS= 3.541

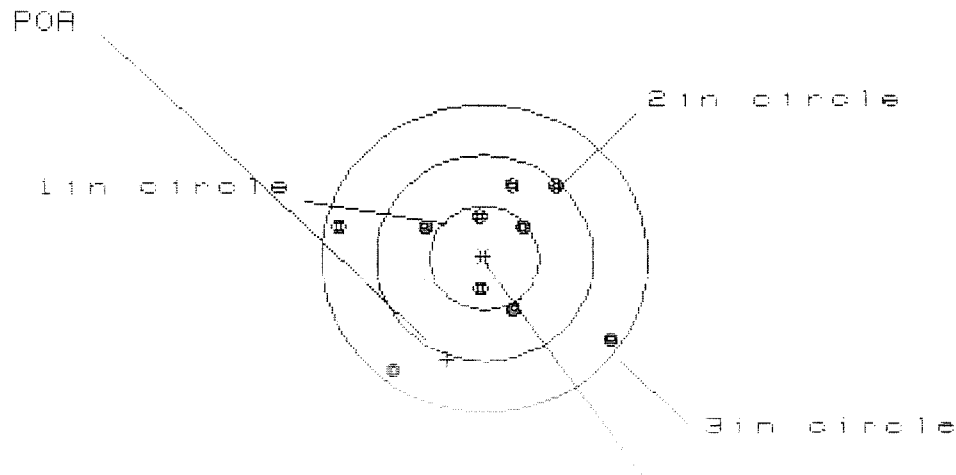
OID #

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 4      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.201  | 1.325  | 1.250  |
| MINIMUM X                     | : | -1.301 | -1.177 | -1.252 |
| MAXIMUM Y                     | : | 1.846  | 2.048  | .781   |
| MINIMUM Y                     | : | -1.180 | -.975  | -.719  |
| CENTROID X                    | : | -1.212 | -1.336 | -1.261 |
| CENTROID Y                    | : | .513   | .308   | .052   |
| POA TO CENTROID in.           | : | 1.316  | 1.371  | 1.262  |
| MIN RADIUS                    | : | .425   | .240   | .043   |
| MEAN RADIUS                   | : | 1.190  | 1.034  | .841   |
| MAX RADIUS                    | : | 2.159  | 2.135  | 1.476  |
| HORIZONTAL SPREAD             | : | 2.502  | 2.502  | 2.500  |
| VERTICAL SPREAD               | : | 3.026  | 3.023  | 1.500  |
| EXTREME SPREAD                | : | 3.541  | 3.117  | 2.648  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 8      |        |

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C8225100

# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.500

VS= 1.811

GS= 2.724

CENTROID #

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.195  | .833   | .745   |
| MINIMUM X                     | -1.305 | -1.172 | -1.260 |
| MAXIMUM Y                     | .699   | .615   | .466   |
| MINIMUM Y                     | -1.112 | -1.196 | -.755  |
| CENTROID X                    | .342   | .209   | .297   |
| CENTROID Y                    | .990   | 1.074  | 1.223  |
| POA TO CENTROID in.           | 1.047  | 1.094  | 1.259  |
| MIN RADIUS                    | .328   | .291   | .146   |
| MEAN RADIUS                   | .826   | .752   | .637   |
| MAX RADIUS                    | 1.416  | 1.388  | 1.263  |
| HORIZONTAL SPREAD             | 2.500  | 2.005  | 2.005  |
| VERTICAL SPREAD               | 1.811  | 1.811  | 1.221  |
| EXTREME SPREAD                | 2.724  | 2.361  | 2.037  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225100

| 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     |      |      | 5/4/96 | JW   |
|              | G) Safety Off Force                                         | 4        | 4     | 4     |      |      | 5/4/96 | JW   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      |        |      |
|              | I) Firing Pin Indent                                        | .024     | .0235 | .0235 |      |      | 5/4/96 | JW   |
|              | 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                                             | 2.16     | 2.28  | 2.16  | 2.16 | 2.39 | 5/4/96 | JW   |
|              | C) Function                                                 |          |       |       |      |      |        |      |
| 660          | Pack                                                        |          |       |       |      |      |        |      |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225/00

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INITIAL |
|--------------|----------------------------------------------------------------|----------|----------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 9 12     | 8 8      | FB      |
| 600          | Proof                                                          | 9 19     | 8 8      | RW      |
| 607          | Check Headspace                                                | 9 19     | 8 8      | RW      |
| 610          | Dis-assemble Gun                                               | 9 19     | 8 8      | RW      |
| 612          | Magnaflux Barrel<br>Action                                     |          | 9-22-88  | RK      |
|              | Magnaflux Bolt                                                 |          | 9-22-88  | RK      |
| 615          | Rollmark Caliber                                               |          |          |         |
| 617          | Drill and Tap Sight Holes                                      |          |          |         |
| 618          | Polish Barrel                                                  |          |          |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-31-88 | TJA     |
|              | Apply Coating (Bolt)                                           |          | 10-31-88 | TJA     |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/9/88  | RW      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/9/88  | RW      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/9/88  | RW      |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/9/88  | RW      |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 9/10/88  | GU      |

| op. #        | OP. NAME                                                    | READINGS |       |      |      |      | DATE      | INITIAL |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|-----------|---------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5     | 5    |      |      | 11/10/88  | JS      |
|              | G) Safety Off Force                                         | 3        | 3     | 3    |      |      | 11/10/88  | JS      |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 9/10/88   | JU      |
|              | I) Firing Pin Indent                                        | .022     | .022  | .022 |      |      | 11/10/88  | JS      |
|              | J) Assemble Stock                                           |          |       |      |      |      | 11/15/88  | RW      |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 30/10/88  | JS      |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 11/15/88  | RW      |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 11/15/88  | RW      |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 11/15/88  | RW      |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      | 11/15/88  | WCB     |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 11/15/88  | WCB     |
| 640          | Gallery Target & Test                                       | 50 R     | 103 L |      |      |      | 11/15/88  | P.C.    |
|              | A) Time                                                     |          |       |      |      |      |           |         |
|              | B) Malfunctions                                             |          |       |      |      |      |           |         |
|              | C) Pierced Primers                                          |          |       |      |      |      |           |         |
|              | D) Optical Clarity of Scope                                 |          |       |      |      |      | 11/15/88  | JU      |
| 645          | Inspect for Live Ammo                                       |          |       |      |      |      | 11/15/88  | JU      |
| 655          | Final Inspection                                            |          |       |      |      |      |           |         |
|              | A) Headspace                                                |          |       |      |      |      | 30/10/88  | JS      |
|              | B) Trigger Pull                                             | 2.59     | 2.55  | 2.56 | 2.52 | 2.52 | 30/10/88  | JS      |
|              | C) Function                                                 |          |       |      |      |      | 30/10/88  | JS      |
| 660          | Pack                                                        |          |       |      |      |      | 14/Dec 88 | JS      |

0.2  
SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. C6225100

DATE 11-9-88

TESTER J.21.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.48             | 2.25                     | 2.44                           | 2.59  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.40             | 2.34                     | 2.41                           | 2.55  |                                                                        |
| PULL #3 | 2.37             | 2.30                     | 2.41                           | 2.56  |                                                                        |
| PULL #4 | 2.52             | 2.33                     | 2.37                           | 2.57  |                                                                        |
| PULL #5 | 2.47             | 2.39                     | 2.42                           | 2.52  |                                                                        |
| TOTAL   | 12.24            | 11.61                    | 12.04                          | 12.74 |                                                                        |
| AVG.    | 2.448            | 2.322                    | 2.408                          | 2.548 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.27             | 3.36                     |  |          |
| PULL #2 | 3.35             | 3.54                     |  |          |
| PULL #3 | 3.39             | 3.40                     |  |          |
| PULL #4 | 3.33             | 3.38                     |  |          |
| PULL #5 | 3.34             | 3.40                     |  |          |
| TOTAL   | 16.68            | 17.58                    |  |          |
| AVG.    | 3.336            | 3.516                    |  |          |

|         | 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 | 4.14             | 4.11                     |                                | 4.07                                 |
| PULL #2 | 4.18             | 4.12                     |                                | 4.03                                 |
| PULL #3 | 4.16             | 4.13                     |                                | 4.03                                 |
| PULL #4 | 4.07             | 4.15                     |                                | 4.11                                 |
| PULL #5 | 4.18             | 4.17                     |                                | 4.03                                 |
| TOTAL   | 20.73            | 20.68                    |                                | 20.27                                |
| AVG.    | 4.146            | 4.136                    |                                | 4.054                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6225100

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .442295 |
| 1 TO | 2 | .223289 |
| 1 TO | 3 | .598206 |
| 1 TO | 4 | .585589 |
| 1 TO | 5 | .343431 |

4, <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0086  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1186  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118911  
THE AMR FOR THIS RIFLE IS: .8468

15 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225100

# CENTERFIRE PATTERNS

# 1

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.901

VS= 2.025

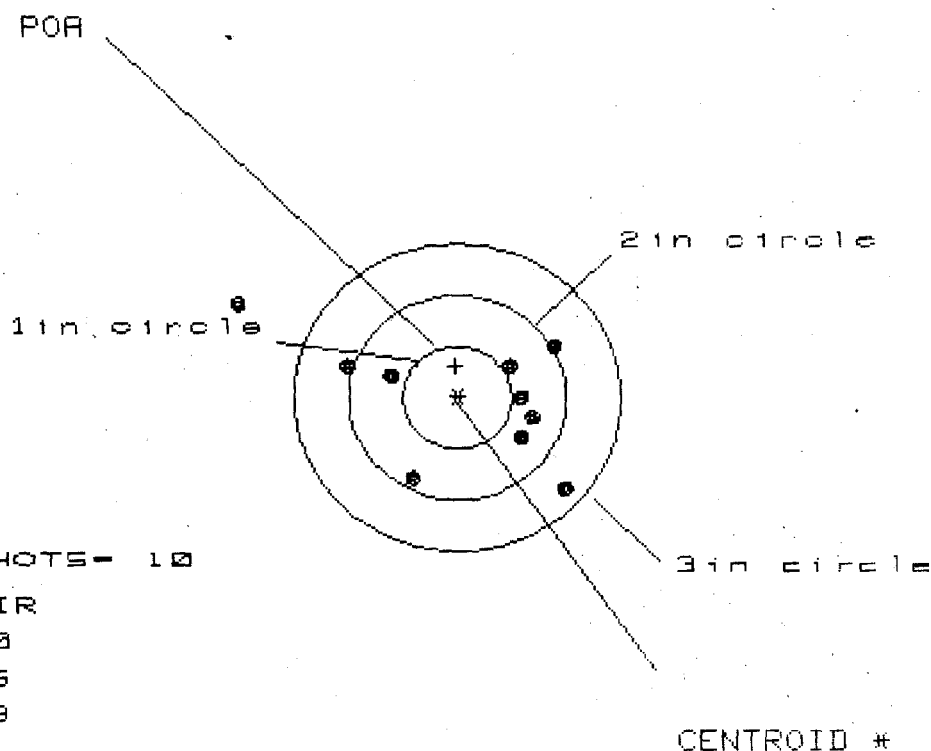
GS= 2.039

| PATTERN #                     | : | 1      | 9     | 8     |
|-------------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | .978   | .938  | .917  |
| MINIMUM X                     | : | -.923  | -.963 | -.984 |
| MAXIMUM Y                     | : | 1.023  | .912  | .584  |
| MINIMUM Y                     | : | -1.002 | -.665 | -.551 |
| CENTROID X                    | : | .228   | .268  | .289  |
| CENTROID Y                    | : | -.379  | -.268 | -.382 |
| POA TO CENTROID in.           | : | .443   | .379  | .479  |
| MIN RADIUS                    | : | .244   | .352  | .239  |
| MEAN RADIUS                   | : | .749   | .714  | .671  |
| MAX RADIUS                    | : | 1.065  | 1.050 | 1.030 |
| HORIZONTAL SPREAD             | : | 1.901  | 1.901 | 1.901 |
| VERTICAL SPREAD               | : | 2.025  | 1.577 | 1.135 |
| EXTREME SPREAD                | : | 2.039  | 1.908 | 1.908 |
| NUMBER IN ONE INCH CIRCLE =   | : | 2      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | : | 8      |       |       |
| NUMBER IN THREE INCH CIRCLE = | : | 10     |       |       |

15 Nov 1986

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225180

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 3.018

VS= 1.773

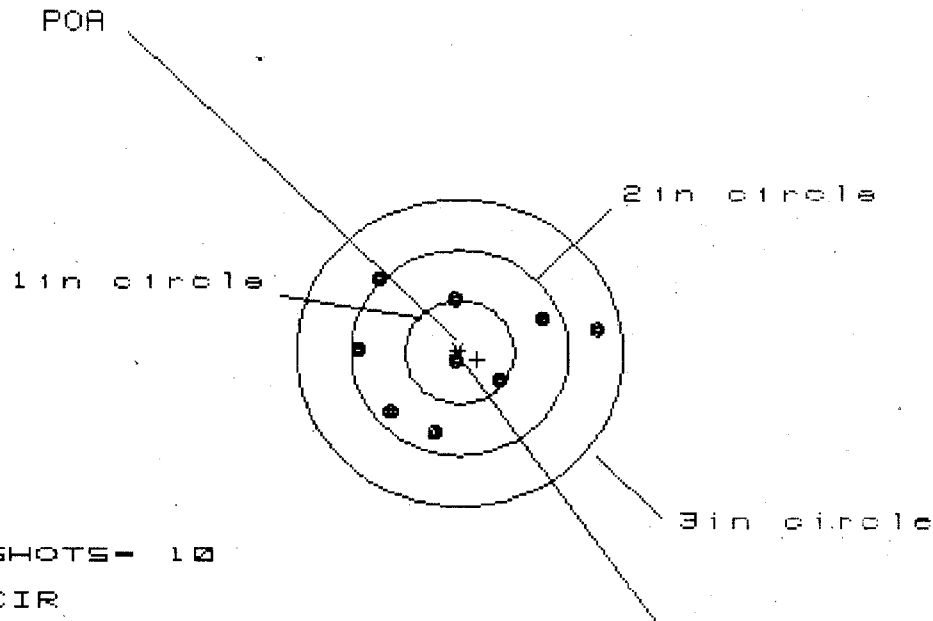
GS= 3.500

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .964   | .736   | .723   |
| MINIMUM X                   | : | -2.054 | -1.196 | -1.104 |
| MAXIMUM Y                   | : | .873   | .621   | .520   |
| MINIMUM Y                   | : | -.900  | -.803  | -.746  |
| CENTROID X                  | : | .015   | .243   | .151   |
| CENTROID Y                  | : | -.312  | -.409  | -.308  |
| POA TO CENTROID in.         | : | .312   | .476   | .344   |
| MIN RADIUS                  | : | .538   | .338   | .402   |
| MEAN RADIUS                 | : | .958   | .755   | .723   |
| MAX RADIUS                  | : | 2.232  | 1.255  | 1.139  |
| HORIZONTAL SPREAD           | : | 3.018  | 1.932  | 1.827  |
| VERTICAL SPREAD             | : | 1.773  | 1.424  | 1.267  |
| EXTREME SPREAD              | : | 3.500  | 2.264  | 1.843  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

15 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C62251B0

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.262

VS= 1.542

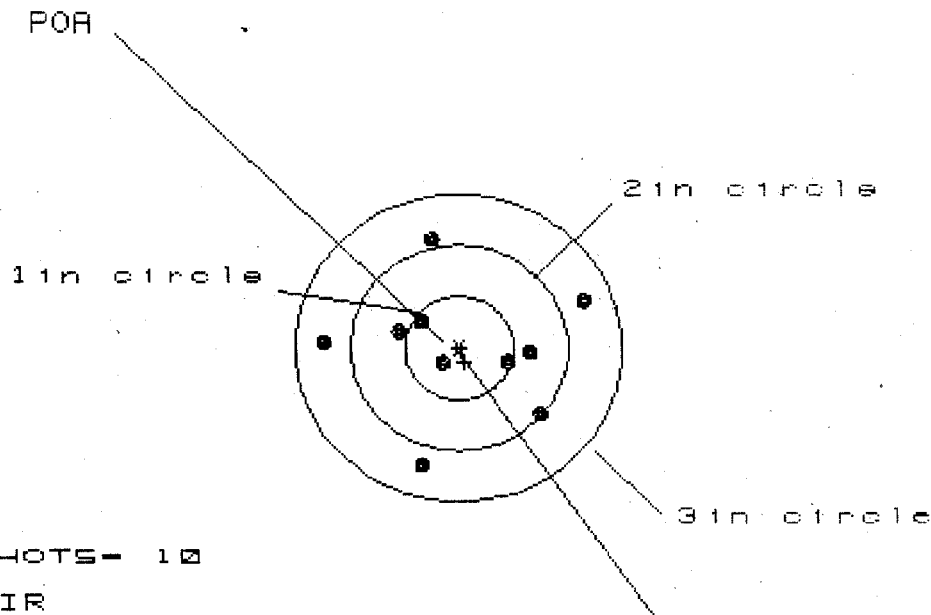
GS= 2.272

| PATTERN #                   | 3     | 9     | 8     |
|-----------------------------|-------|-------|-------|
| SHOTS (BEST OF)             | 10    | 9     | 8     |
| MAXIMUM X                   | 1.282 | .864  | .784  |
| MINIMUM X                   | -.980 | -.838 | -.918 |
| MAXIMUM Y                   | .727  | .757  | .699  |
| MINIMUM Y                   | -.815 | -.785 | -.690 |
| CENTROID X                  | -.165 | -.307 | -.227 |
| CENTROID Y                  | .072  | .042  | -.053 |
| POA TO CENTROID in.         | .180  | .310  | .233  |
| MIN RADIUS                  | .078  | .070  | .094  |
| MEAN RADIUS                 | .736  | .670  | .612  |
| MAX RADIUS                  | 1.310 | .992  | .935  |
| HORIZONTAL SPREAD           | 2.262 | 1.702 | 1.702 |
| VERTICAL SPREAD             | 1.542 | 1.542 | 1.389 |
| EXTREME SPREAD              | 2.272 | 1.728 | 1.728 |
| NUMBER IN ONE INCH CIRCLE   | = 3   |       |       |
| NUMBER IN TWO INCH CIRCLE   | = 8   |       |       |
| NUMBER IN THREE INCH CIRCLE | = 10  |       |       |

15 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225100

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.389

VS= 2.108

GS= 2.427

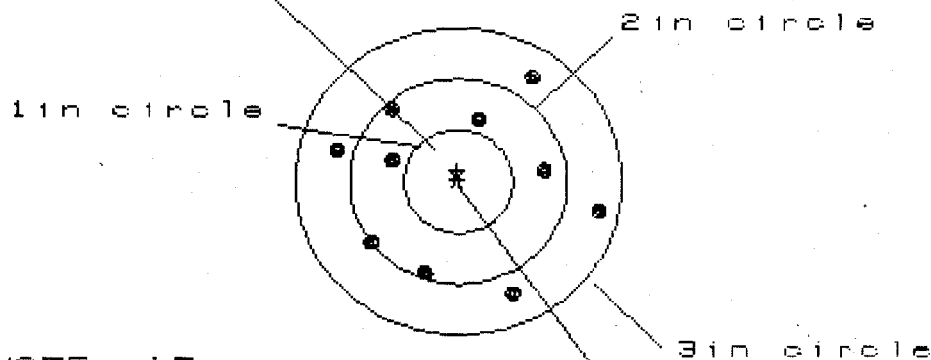
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.161  | .838   | .701   |
| MINIMUM X                   | : | -1.228 | -1.099 | -.603  |
| MAXIMUM Y                   | : | 1.017  | 1.071  | 1.085  |
| MINIMUM Y                   | : | -1.091 | -1.037 | -1.024 |
| CENTROID X                  | : | -.047  | -.176  | -.038  |
| CENTROID Y                  | : | .138   | .084   | .071   |
| POA TO CENTROID in.         | : | .146   | .195   | .080   |
| MIN RADIUS                  | : | .199   | .063   | .183   |
| MEAN RADIUS                 | : | .801   | .733   | .689   |
| MAX RADIUS                  | : | 1.257  | 1.105  | 1.112  |
| HORIZONTAL SPREAD           | : | 2.389  | 1.937  | 1.303  |
| VERTICAL SPREAD             | : | 2.108  | 2.108  | 2.108  |
| EXTREME SPREAD              | : | 2.427  | 2.114  | 2.114  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

15 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06225100

# CENTERFIRE PATTERNS # 5

POA



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.405

VS= 2.116

GS= 2.489

CENTROID \*

| PATTERN #                     | 1      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.277  | .882   | .991   |
| MINIMUM X                     | -1.128 | -.986  | -.877  |
| MAXIMUM Y                     | 1.020  | .982   | .764   |
| MINIMUM Y                     | -1.096 | -1.134 | -1.011 |
| CENTROID X                    | .012   | -.130  | -.239  |
| CENTROID Y                    | -.112  | -.074  | -.197  |
| POA TO CENTROID in.           | .112   | .150   | .310   |
| MIN RADIUS                    | .610   | .465   | .447   |
| MEAN RADIUS                   | .990   | .933   | .874   |
| MAX RADIUS                    | 1.320  | 1.313  | 1.270  |
| HORIZONTAL SPREAD             | 2.405  | 1.868  | 1.868  |
| VERTICAL SPREAD               | 2.116  | 2.116  | 1.775  |
| EXTREME SPREAD                | 2.489  | 2.221  | 2.163  |
| NUMBER IN ONE INCH CIRCLE =   |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |        |