

06587551

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

\* Includes 1 in chamber.

*Remington*

## Repair Inquiry

Repair Number: RE00061182

Serial: C6587551 Model 700 Center Fire Caliber:  
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 2/5/2003 5:17:37 PM

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C SUPPORT BATTALION

CO C SUPPORT BATTALION

Address 1: 1 ST SWTG (A)

1 ST SWTG (A)

Address 2: ATTN ARMAMENT FAC

PO Box:

ATTN ARMAMENT FAC

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

## Contact Information

Phone:

Fax:

Email:

Comments:

## Received Condition

Poor

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc              | Qty |
|------|-------------------|-----|
| A007 | With Stud         | 1   |
| A017 | Scope Base        | 1   |
| A026 | Scope             | 1   |
| X    | FRT & REAR SGT BA | 1   |

Repair Search

Refresh

Close

naglej

2/6/2003

8:07 AM

CAPS

NUM

INC

SCFL

start

JREX - MICROSOFT

Calendar - Micro...

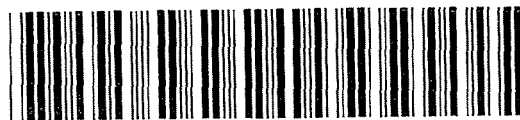
Email Show - M...

Arms Services R...

8:07 AM

Serial Number: C6587551

Model: 700



RE00061182

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587551.\_\_\_0  
FILE DATE AND TIME: 03/07/2003 15:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.010  |
| The Average Y Centroid of the Five Target Set:              | -0.012 |
| The Average Point of Impact of the Five Target Set:         | 0.016  |
| The Average Mean Radius of the Five Target Set:             | 0.508  |
| The Distance from POA to Centroid Target #1:                | 0.169  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.116  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.328  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.287  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.287  |

SERIAL NUMBER: C6587551. \_\_0

TARGET NUMBER: 1

FILE DATE: 03/07/2003

FILE TIME: 15:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.321  | -0.459 |
| 2:     | -0.024 | -0.604 |
| 3:     | -0.161 | -0.422 |
| 4:     | -0.573 | -0.549 |
| 5:     | -0.263 | 0.427  |
| 6:     | 0.145  | -0.029 |
| 7:     | 0.118  | 0.358  |
| 8:     | 0.232  | 0.514  |
| 9:     | 0.390  | 0.603  |
| 10:    | -0.848 | 1.716  |

X CENTROID: -0.066

Y CENTROID: 0.156

POA TO CENTROID: 0.169

HORZ SPREAD: 1.238

VERT SPREAD: 2.320

GROUP SPREAD: 2.469

MIN RADIUS: 0.274

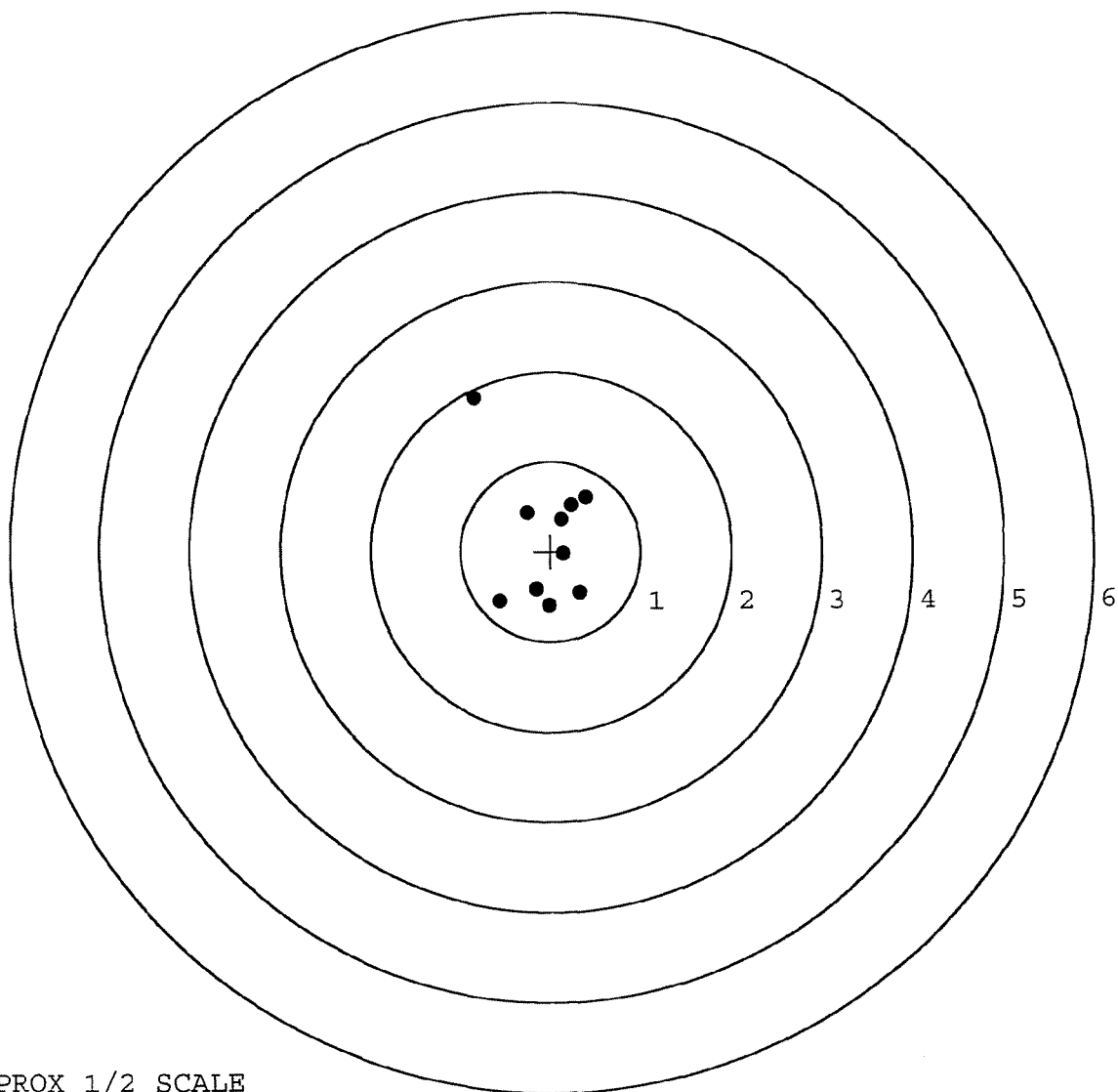
MAX RADIUS: 1.745

MEAN RADIUS: 0.668

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 9

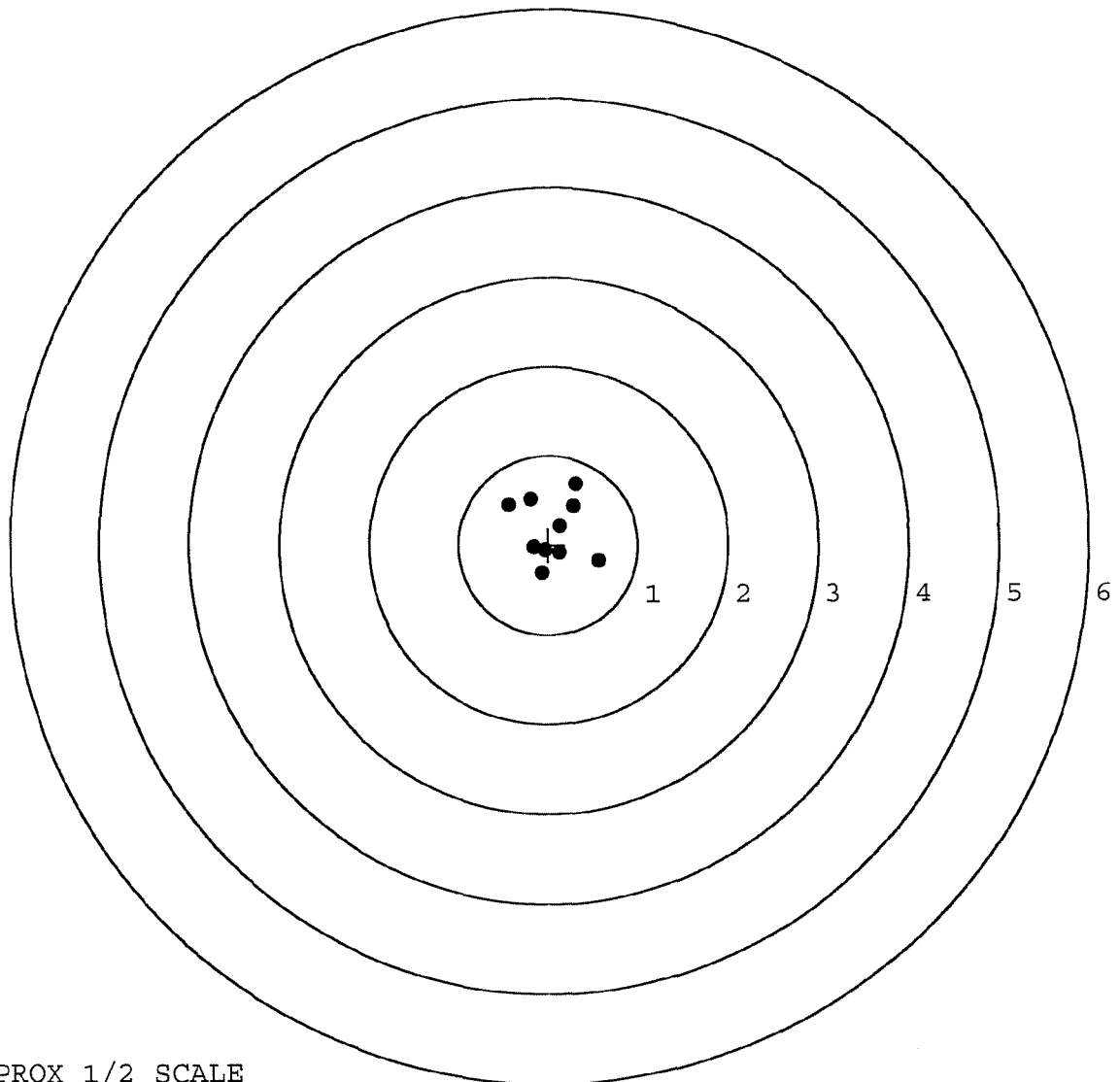


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587551. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 03/07/2003  
 FILE TIME: 15:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.562  | -0.175 |
| 2:     | 0.310  | 0.682  |
| 3:     | 0.281  | 0.434  |
| 4:     | -0.203 | 0.511  |
| 5:     | -0.442 | 0.447  |
| 6:     | 0.138  | 0.209  |
| 7:     | -0.166 | -0.028 |
| 8:     | 0.128  | -0.091 |
| 9:     | -0.077 | -0.319 |
| 10:    | -0.037 | -0.065 |

X CENTROID: 0.049  
 Y CENTROID: 0.161  
 POA TO CENTROID: 0.168  
 HORZ SPREAD: 1.004  
 VERT SPREAD: 1.001  
 GROUP SPREAD: 1.181  
 MIN RADIUS: 0.101  
 MAX RADIUS: 0.613  
 MEAN RADIUS: 0.394  
 # IN 1 IN DIAMETER: 7  
 # IN 2 IN DIAMETER: 10  
 # in 3 IN DIAMETER: 10

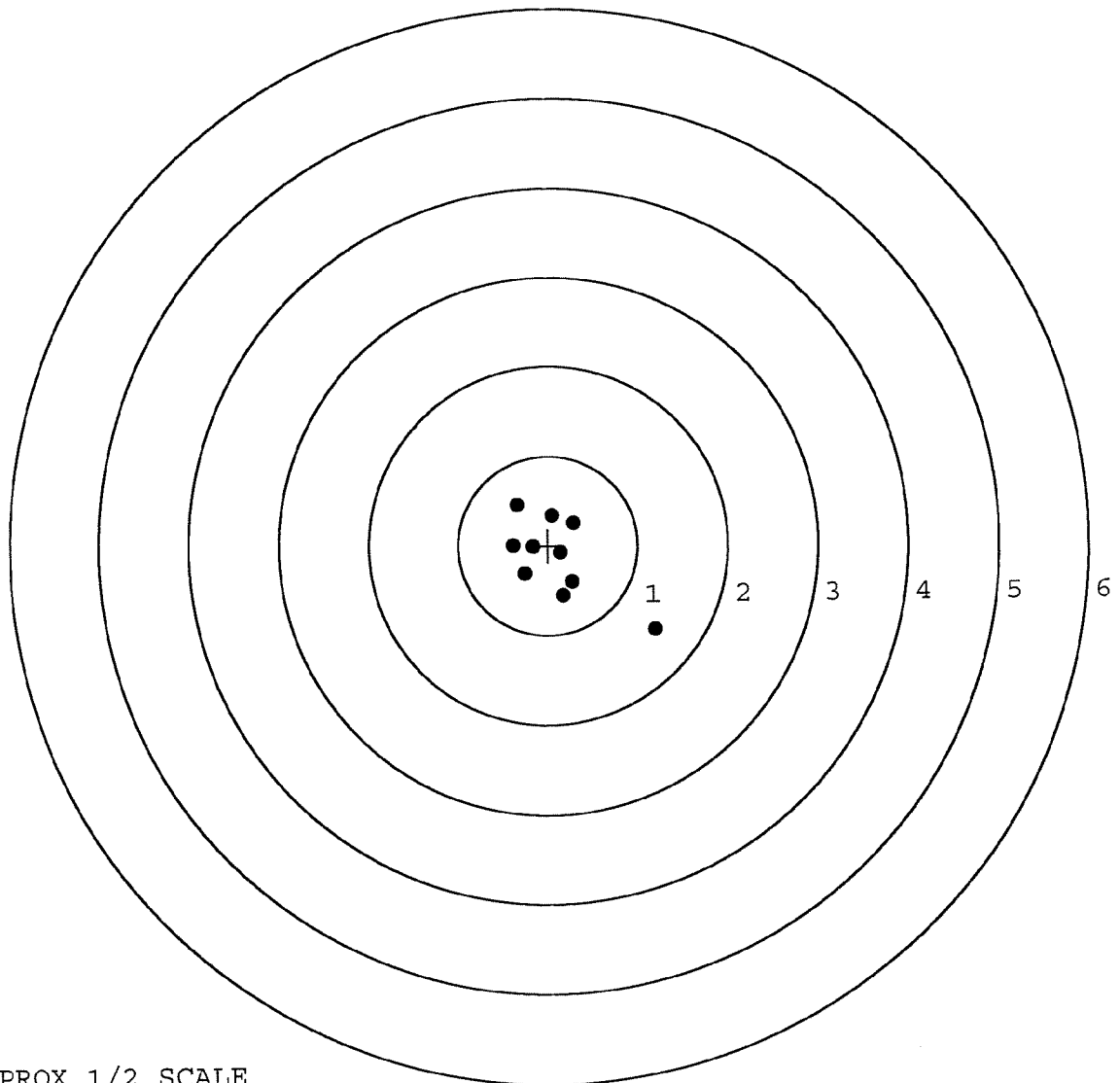


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587551. \_\_0  
 TARGET NUMBER: 3  
 FILE DATE: 03/07/2003  
 FILE TIME: 15:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.193  | -0.951 |
| 2:     | 0.172  | -0.561 |
| 3:     | 0.272  | -0.412 |
| 4:     | -0.261 | -0.315 |
| 5:     | -0.393 | 0.003  |
| 6:     | -0.342 | 0.454  |
| 7:     | 0.287  | 0.252  |
| 8:     | 0.051  | 0.334  |
| 9:     | 0.146  | -0.085 |
| 10:    | -0.168 | -0.019 |

X CENTROID: 0.096  
 Y CENTROID: -0.130  
 POA TO CENTROID: 0.161  
 HORZ SPREAD: 1.586  
 VERT SPREAD: 1.405  
 GROUP SPREAD: 2.081  
 MIN RADIUS: 0.067  
 MAX RADIUS: 1.370  
 MEAN RADIUS: 0.503  
 # IN 1 IN DIAMETER: 7  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587551. 0

TARGET NUMBER: 4

FILE DATE: 03/07/2003

FILE TIME: 15:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.249  | -0.604 |
| 2:     | 0.026  | -0.338 |
| 3:     | -0.131 | -0.604 |
| 4:     | -0.279 | -0.270 |
| 5:     | -0.541 | -0.475 |
| 6:     | -0.677 | -0.156 |
| 7:     | -0.357 | 0.397  |
| 8:     | 0.150  | 0.066  |
| 9:     | 0.531  | 0.189  |
| 10:    | 0.393  | 0.481  |

X CENTROID: -0.064

Y CENTROID: -0.131

POA TO CENTROID: 0.146

HORZ SPREAD: 1.208

VERT SPREAD: 1.085

GROUP SPREAD: 1.337

MIN RADIUS: 0.225

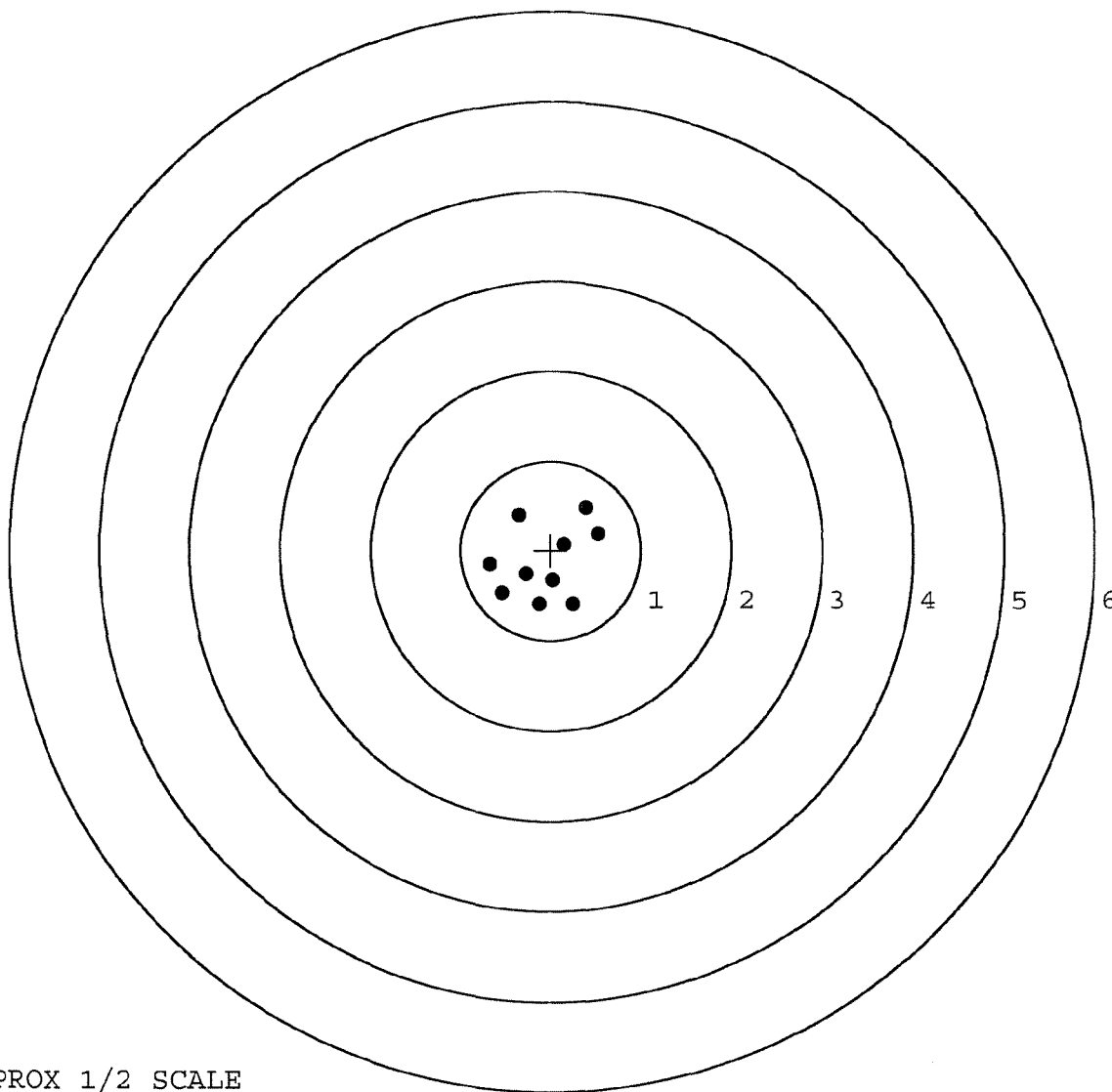
MAX RADIUS: 0.764

MEAN RADIUS: 0.506

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587551. \_\_0

TARGET NUMBER: 5

FILE DATE: 03/07/2003

FILE TIME: 15:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.006 | -0.024 |
| 2:     | 1.238  | -0.391 |
| 3:     | 0.378  | -0.250 |
| 4:     | 0.135  | -0.344 |
| 5:     | -0.118 | -0.407 |
| 6:     | 0.142  | -0.077 |
| 7:     | 0.129  | 0.438  |
| 8:     | -0.570 | 0.162  |
| 9:     | -0.393 | -0.033 |
| 10:    | -0.571 | -0.200 |

X CENTROID: 0.036

Y CENTROID: -0.113

POA TO CENTROID: 0.118

HORZ SPREAD: 1.809

VERT SPREAD: 0.845

GROUP SPREAD: 1.891

MIN RADIUS: 0.098

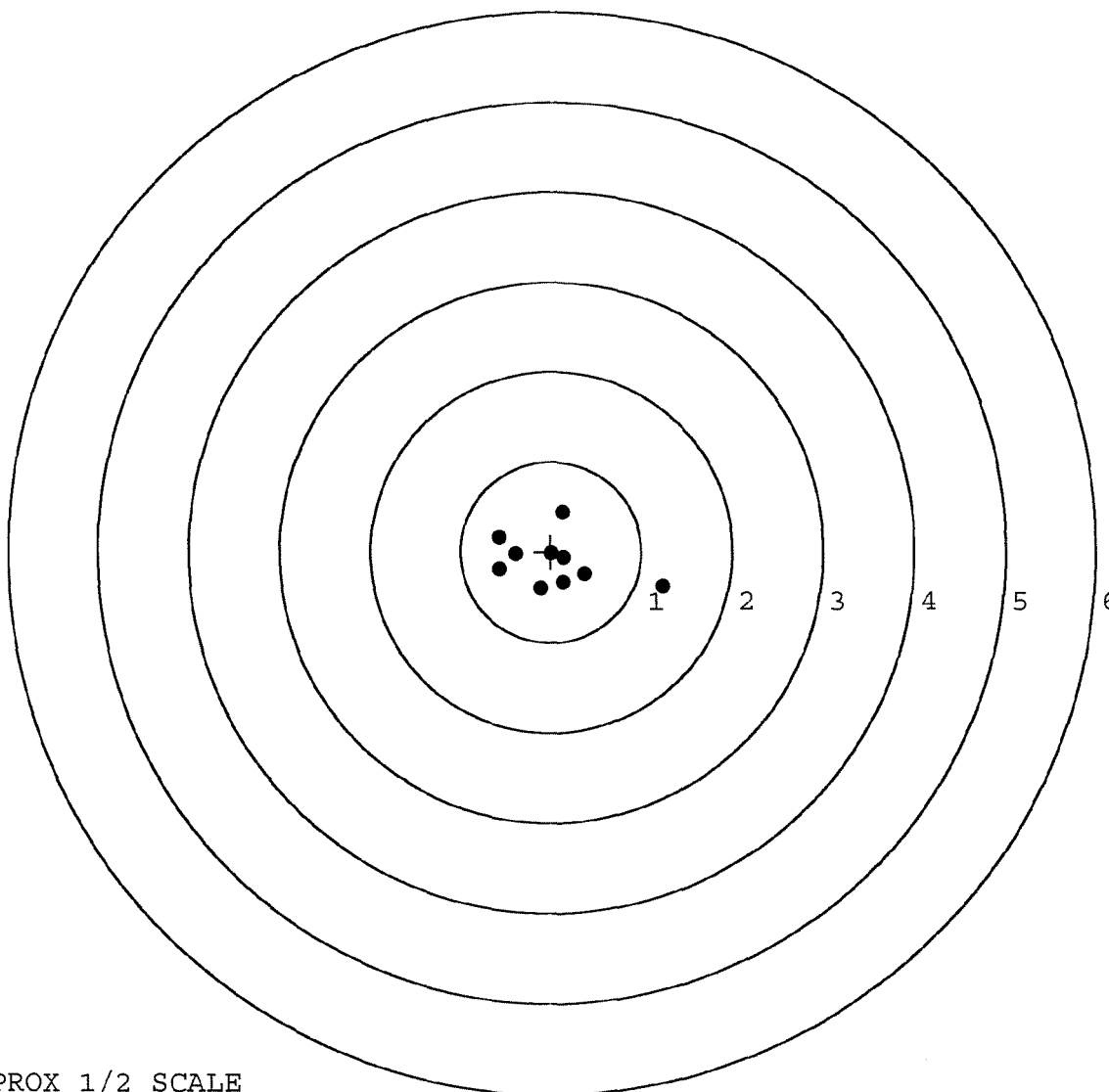
MAX RADIUS: 1.233

MEAN RADIUS: 0.467

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL # C6582551INSPECTED BY: RTLDATE REC'D: 2-5-03DATE RET'D: 3-10-03

## ITEM

## BARREL ASSEMBLY

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

## SCOPE ASSEMBLY

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

## ITEM

## STOCK ASSEMBLY

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

## SYSTEMS CASE

☒ SCOPE CASE  
☒ IRON SIGHTS  
☒ DEPLOYMENT KIT

## TRIGGER ASSEMBLY

☒ SAFETY OPERATION  
☒ RE-SET TO FACTORY SPECS

COMMENTS:

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-02-D-0127**

|                            |                     |           |         |
|----------------------------|---------------------|-----------|---------|
| R & E NUMBER               | 61182               |           |         |
| SERIAL NUMBER              | C6587551            |           |         |
| LOG-IN DATE                | 2/5/03              |           |         |
| <b>INSPECT AND VERIFY:</b> |                     |           |         |
| OPERATION #                | OPERATION NAME      | DATE      | INITIAL |
| 550                        | DIS-ASSEMBLE GUN    | 2-10-03   | RTL     |
| 560 A                      | RE-BARREL           | 2-11-03   | RTL     |
| B                          | DRILL AND TAP       | 2-20-03   | TRW     |
| 575                        | ASSEMBLE            | 2-13-03   | RTL     |
| 600                        | PROOF               | 2-13-03   | AC      |
| 605                        | CHECK HEADSPACE     | 2-13-03   | AC      |
| 610                        | DIS-ASSEMBLE GUN    | 2-14-03   | RTL     |
| 612                        | MAGNAFLUX OPERATOR  |           |         |
| 615                        | ROLLMARK CALIBER    | 2/14/03   | AB      |
| 618                        | ROTO-BLAST          | 2-26-03   |         |
| 620                        | APPLY COATINGS      | 3-3       | TA      |
| 625 A                      | FINAL ASSEMBLY      | 3-5-03    | RU      |
| B                          | TRIGGER PULL TEST   |           |         |
| C                          | SAFETY "ON" FORCE   |           |         |
| D                          | SAFETY "OFF" FORCE  |           |         |
| E                          | FIRING PIN INDENT   |           |         |
| 640                        | TARGET              | 3-6-03    | TRW     |
| 655                        | FINAL INSPECT       | 3-10-03   | RTL     |
| 660                        | PACK                | 3-11-03   | DA      |
|                            |                     |           |         |
|                            |                     |           |         |
|                            |                     |           |         |
|                            |                     |           |         |
|                            |                     |           |         |
|                            |                     | SHIP DATE |         |
|                            |                     |           |         |
|                            | QAR INSPECTION DATE |           |         |

**Remington**  
MODEL 700™ M24

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

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

SERIAL NO.  
06587551

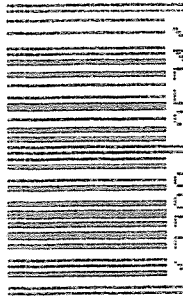
ORDER NO.  
5716

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



5716 06587551

UPC



0 47200 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587551

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 10/31/90 | Kd   |
| 600          | Proof                                                          |          | 10/31/90 | Kd   |
| 607          | Check Headspace                                                |          | 10/31/90 | Kd   |
| 610          | Dis-assemble Gun                                               |          | 10/31/90 | Kd   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 11/1/90  | KCB  |
|              | Magnaflux Bolt                                                 |          | 11/1/90  | KCB  |
| 615          | Rollmark Caliber                                               |          | 11/1/90  | GS   |
| 617          | Drill and Tap Sight Holes                                      |          | 11/5/90  | KLB  |
| 618          | Polish Barrel RB                                               |          | 11/6/90  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-26-90 | WB   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 12/28/90 | K.S. |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 12/28/90 | K.S. |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 12/28/90 | K.S. |
|              | D) Oil Firing Pin Ass'y                                        |          | 12/28/90 | K.S. |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 1-3-91   | JB   |

| op. #        | BARBER - M24 0022559<br>OP. NAME                            | READINGS |      |      |      |      | DATE               | INIT          |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|--------------------|---------------|
| 625<br>cont. | F) Safety On Force                                          | 4.25     | 4.25 | 4.0  |      |      | 1/2/91             | KJ            |
|              | G) Safety Off Force                                         | 2.5      | 2.5  | 2.5  |      |      | 1/2/91             | KJ            |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 1-3-91             | JH            |
|              | I) Firing Pin Indent                                        | .020     | .020 | .020 |      |      | 1/2/91             | KJ            |
|              | J) Assemble Stock                                           |          |      |      |      |      | 1/16-91            | KS            |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | <del>1/16-91</del> | <del>KS</del> |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 1/16-91            | KS            |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 1/16-91            | KS            |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 1/16/91            | KS            |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 1/16-91            | KS            |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 1/16-91            | KS            |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 1/17/91            | KJ            |
|              | A) Time                                                     |          |      |      |      |      | "                  | KJ            |
|              | B) Malfunctions                                             |          |      |      |      |      | "                  | KJ            |
|              | C) Pierced Primers                                          |          |      |      |      |      | "                  | KJ            |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "                  | KJ            |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 1/17/91            | KJ            |
| 655          | Final Inspection                                            |          |      |      |      |      |                    |               |
|              | A) Headspace                                                |          |      |      |      |      | 2-1-91             | A             |
|              | B) Trigger Pull                                             | 2.20     | 2.30 | 2.33 | 2.30 | 2.34 | 1-22-91            | JH            |
|              | C) Function                                                 |          |      |      |      |      | 2-1-91             | A             |
| 660          | Pack                                                        |          |      |      |      |      | 3-19-91            | N             |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6587551

DATE 1-3-91

TESTER JG

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.45             | 2.33                     | 2.30                           | 2.20 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.34             | 2.35                     | 2.36                           | 2.30 |                                                                        |
| PULL #3 | 2.35             | 2.35                     | 2.38                           | 2.33 |                                                                        |
| PULL #4 | 2.32             | 2.29                     | 2.38                           | 2.30 |                                                                        |
| PULL #5 | 2.31             | 2.35                     | 2.34                           | 2.34 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.36             | 3.25                     |  |          |
| PULL #2 | 3.47             | 3.44                     |  |          |
| PULL #3 | 3.47             | 3.31                     |  |          |
| PULL #4 | 3.44             | 3.40                     |  |          |
| PULL #5 | 3.40             | 3.44                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 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 | 4.28             | 4.40                     |                                | 4.33                                 |
| PULL #2 | 4.35             | 4.45                     |                                | 4.36                                 |
| PULL #3 | 4.34             | 4.35                     |                                | 4.34                                 |
| PULL #4 | 4.34             | 4.40                     |                                | 4.35                                 |
| PULL #5 | 4.32             | 4.20                     |                                | OK                                   |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587551  
18 Jan 1991

CENTROIDAL DISTANCES

|   |    |   |         |
|---|----|---|---------|
| 0 | TO | 1 | .434332 |
| 1 | TO | 2 | .134272 |
| 1 | TO | 3 | .588545 |
| 1 | TO | 4 | .877593 |
| 1 | TO | 5 | .393046 |

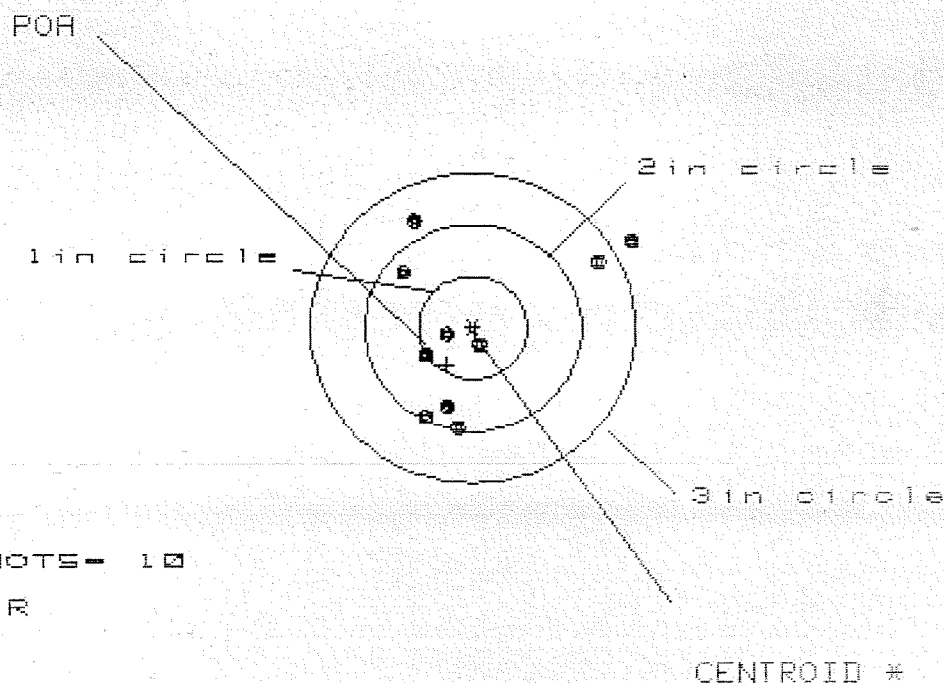
3<sup>b</sup> <----POA  
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0488  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0382  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0619732  
THE AMR FOR THIS RIFLE IS: .9466

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/08587551

## CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.014

VS= 1.985

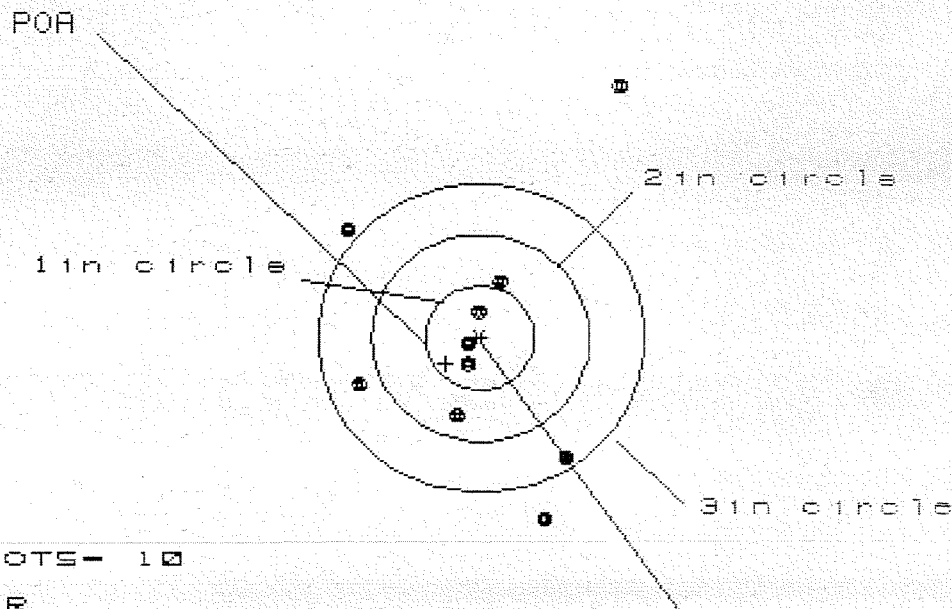
GS= 2.512

| PATTERN #                     | 1     | 2     | 3     |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.420 | 1.341 | .343  |
| MINIMUM X                     | -.594 | -.436 | -.268 |
| MAXIMUM Y                     | 1.012 | 1.099 | 1.191 |
| MINIMUM Y                     | -.973 | -.886 | -.794 |
| CENTROID X                    | .240  | .082  | -.086 |
| CENTROID Y                    | .362  | .275  | .183  |
| POA TO CENTROID in.           | .434  | .287  | .202  |
| MIN RADIUS                    | .147  | .105  | .100  |
| MEAN RADIUS                   | .859  | .722  | .598  |
| MAX RADIUS                    | 1.624 | 1.528 | 1.212 |
| HORIZONTAL SPREAD             | 2.014 | 1.777 | .611  |
| VERTICAL SPREAD               | 1.985 | 1.985 | 1.985 |
| EXTREME SPREAD                | 2.512 | 2.240 | 2.019 |
| NUMBER IN ONE INCH CIRCLE =   | 3     |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 7     |       |       |
| NUMBER IN THREE INCH CIRCLE = | 9     |       |       |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587551

## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 7

HS= 2.482

VS= 4.209

GS= 4.263

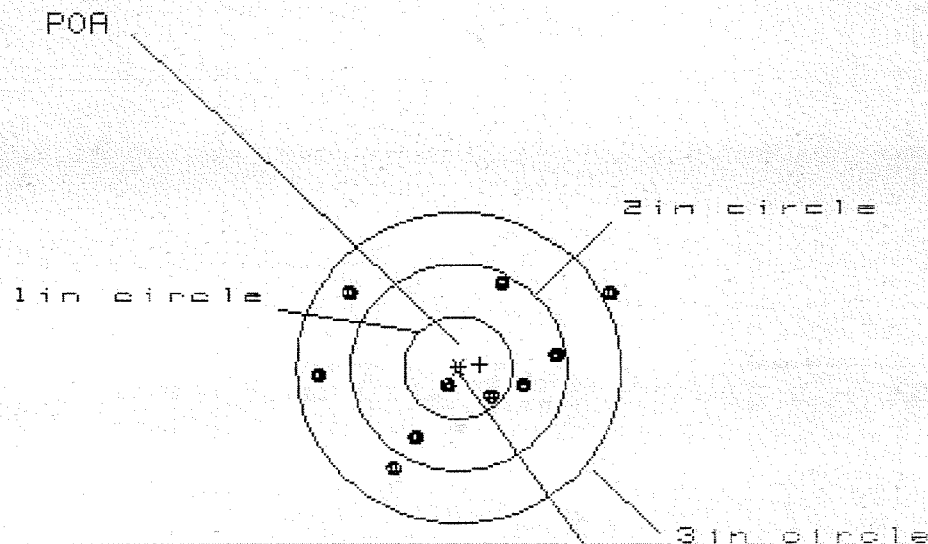
CENTROID #

| PATTERN #                   | 1      | 2      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.245  | .961   | 1.049  |
| MINIMUM X                   | -1.237 | -1.099 | -1.010 |
| MAXIMUM Y                   | 2.492  | 1.336  | 1.156  |
| MINIMUM Y                   | -1.717 | -1.440 | -1.080 |
| CENTROID X                  | .317   | .179   | .090   |
| CENTROID Y                  | .252   | -.025  | .155   |
| POA TO CENTROID in.         | .405   | .181   | .180   |
| MIN RADIUS                  | .155   | .059   | .093   |
| MEAN RADIUS                 | 1.087  | .863   | .759   |
| MAX RADIUS                  | 2.785  | 1.730  | 1.535  |
| HORIZONTAL SPREAD           | 2.482  | 2.060  | 2.060  |
| VERTICAL SPREAD             | 4.209  | 2.776  | 2.236  |
| EXTREME SPREAD              | 4.263  | 3.312  | 3.040  |
| NUMBER IN ONE INCH CIRCLE   | =      | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 5      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 7      |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587551

## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in - 2

2 in - 6

3 in - 9

HS= 2.669

VS= 1.802

GS= 2.800

CENTROID \*

| PATTERN #                   | : | 3      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.370  | 1.006  | .863  |
| MINIMUM X                   | : | -1.299 | -1.147 | -.974 |
| MAXIMUM Y                   | : | .822   | .904   | .902  |
| MINIMUM Y                   | : | -.980  | -.898  | -.900 |
| CENTROID X                  | : | -.199  | -.351  | -.208 |
| CENTROID Y                  | : | -.030  | -.113  | -.111 |
| POA TO CENTROID in.         | : | .201   | .369   | .236  |
| MIN RADIUS                  | : | .238   | .124   | .168  |
| MEAN RADIUS                 | : | .908   | .825   | .763  |
| MAX RADIUS                  | : | 1.559  | 1.147  | 1.236 |
| HORIZONTAL SPREAD           | : | 2.669  | 2.153  | 1.837 |
| VERTICAL SPREAD             | : | 1.802  | 1.802  | 1.802 |
| EXTREME SPREAD              | : | 2.800  | 2.167  | 2.058 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06587551

## CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1 in - 2

2 in - 6

3 in - 10

HS- 2.286

VS- 2.313

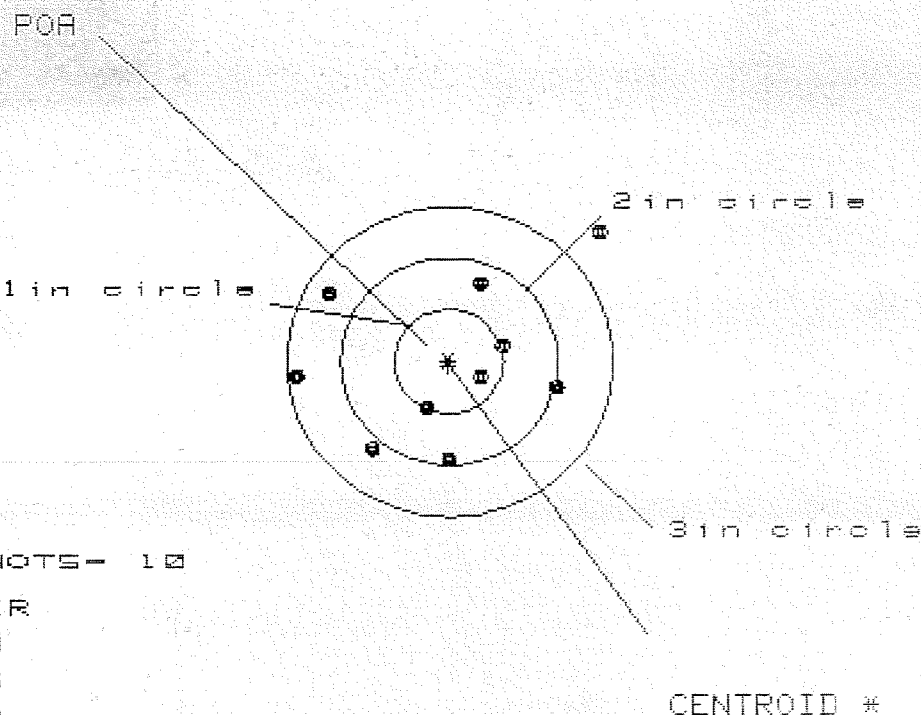
GS- 2.415

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .824   | .661   | .674   |
| MINIMUM X                   | : | -1.462 | -.806  | -.792  |
| MAXIMUM Y                   | : | .884   | .897   | .720   |
| MINIMUM Y                   | : | -1.429 | -1.416 | -1.546 |
| CENTROID X                  | : | -.123  | .040   | .026   |
| CENTROID Y                  | : | -.437  | -.450  | -.273  |
| POA TO CENTROID in.         | : | .454   | .452   | .275   |
| MIN RADIUS                  | : | .151   | .275   | .372   |
| MEAN RADIUS                 | : | .918   | .858   | .762   |
| MAX RADIUS                  | : | 1.467  | 1.420  | 1.554  |
| HORIZONTAL SPREAD           | : | 2.286  | 1.467  | 1.467  |
| VERTICAL SPREAD             | : | 2.313  | 2.313  | 2.266  |
| EXTREME SPREAD              | : | 2.415  | 2.415  | 2.415  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587551

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.734

VS= 2.169

GS= 3.033

| PATTERN #                     | : | 5      |        |        |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.358  | 1.109  | .956   |
| MINIMUM X                     | : | -1.376 | -1.225 | -1.067 |
| MAXIMUM Y                     | : | 1.207  | .842   | .845   |
| MINIMUM Y                     | : | -.962  | -.827  | -.824  |
| CENTROID X                    | : | .009   | -.142  | .012   |
| CENTROID Y                    | : | .044   | -.091  | -.094  |
| POA TO CENTROID in.           | : | .045   | .168   | .095   |
| MIN RADIUS                    | : | .340   | .297   | .283   |
| MEAN RADIUS                   | : | .961   | .857   | .780   |
| MAX RADIUS                    | : | 1.817  | 1.226  | 1.342  |
| HORIZONTAL SPREAD             | : | 2.734  | 2.334  | 2.022  |
| VERTICAL SPREAD               | : | 2.169  | 1.669  | 1.669  |
| EXTREME SPREAD                | : | 3.033  | 2.337  | 2.214  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |        |