

C6587587

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

\* Includes 1 in chamber.

*Remington*

## Arms Services Repair &amp; Estimate System

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

## Repair Inquiry

Repair Number: RE00147465

Serial: C6587587 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Status:

Closed 7/10/2008 5:28:09 AM

Verify Repair

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PUEBLO CHEMICAL DEPOT

PUEBLO CHEMICAL DEPOT

Address 1: 45825 HWY 96 EAST BLDG 78

45825 HWY 96 EAST BLDG 78

Address 2: PD Box:

PD Box:

City: PUEBLO

PUEBLO

State: CO Zip Code: 81006

Country: US

State: CO Zip Code: 81006

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone: NN

Fax:

Email:

Comments:

## Received Condition

Fair

Condition

Notes:

CSR

Notes:

## Accessories Received:

| Code | Desc       | Qty |
|------|------------|-----|
| A009 | Soft Case  | 1   |
| A026 | Scope      | 1   |
| A045 | Bi Pod     | 1   |
| D000 | SCOPE CASE | 1   |

## Repair Search

Refresh

Close

nagletj

7/10/2008

7:55 AM

NUM

SCPL

Number: C6587587

Model: M24 SWS



RE00147465

M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER

SERIAL NUMBER

C6587587

LOG-IN DATE

| OPERATION # | OPERATION NAME       | DATE                          | INITIAL    |
|-------------|----------------------|-------------------------------|------------|
| 500         | DIS-ASSEMBLE GUN     | 7-18-08                       | RTZ        |
| 505         | RE-BARREL            | 7-19-08                       | RTZ        |
| 560         | ASSEMBLE             | 7-19-08                       | RTZ        |
| 600         | PROOF                | 7-21-08                       | TRW        |
| 605         | CHECK HEADSPACE      | 7-21-08                       | TRW        |
| 610         | DIS-ASSEMBLE GUN     | 7-21-08                       | RTZ        |
| 612         | MAGNAFLUX            | 7/25/08                       | RTZ        |
| 510         | DRILL AND TAP        | 7-25-08                       | SP         |
| 615         | ROLLMARK CALIBER     | 7/25/08                       | RTZ        |
| 618         | ROTO-BLAST           | 7-28-08                       | RTZ        |
| 620         | APPLY COATINGS       | 8-1-08                        | RTZ        |
| 625         | FINAL ASSEMBLY       | 8-4-08                        | RTZ        |
| 640         | FUNCTION TEST AND    | (PASS) FAIL                   | 8-6-08 TRW |
| 650         | TARGET               | (PASS) FAIL                   | 8-6-08 TRW |
|             | MALFUNCTION          | CORRECTION                    |            |
|             | MALFUNCTION          | CORRECTION                    |            |
|             | MALFUNCTION          | CORRECTION                    |            |
|             | MALFUNCTION          | CORRECTION                    | 8-6-08 TRW |
| 670         | FINAL INSPECTION     |                               |            |
|             | A) HEADSPACE         | (PASS) FAIL                   | 8-7-08 RTZ |
|             | B) TRIGGER PULL      | 28.9 27.3 25.9 24.7 20.8-7-08 | RTZ        |
| 680         | F) SAFETY ON FORCE   | 6.0 6.0 6.0                   | 8-7-08 RTZ |
|             | G) SAFETY OFF FORCE  | 5.0 5.0 5.0                   | 8-7-08 RTZ |
|             | I) FIRING PIN INDENT | .023 .023 .023                | 8-7-08 RTZ |
| 690         | PACK                 |                               | 8/7/08 RTZ |

MAGNA-FLUX  
JUL 25 2008  
OPERATOR BA

N/A

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)  
3.00 LBS (plus or minus 0.75 LBS)  
4.00 LBS (plus or minus 1.00 LBS)

DATE 7-18-08

TESTER S. Day

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER 50<br>CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.69                | 2.20                        |                                   | 2.48  |          |
| PULL #2 | 2.61                | 2.45                        |                                   | 2.52  |          |
| PULL #3 | 2.67                | 2.54                        |                                   | 2.59  |          |
| PULL #4 | 2.54                | 2.43                        |                                   | 2.54  |          |
| PULL #5 | 2.71                | 2.46                        |                                   | 2.54  |          |
| TOTAL   | 13.22               | 12.08                       |                                   | 12.67 |          |
| AVERAGE | 2.64                | 2.41                        |                                   | 2.53  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER 20<br>CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.11                | 3.30                        |  |          |
| PULL #2 | 3.26                | 3.31                        |  |          |
| PULL #3 | 3.24                | 3.35                        |  |          |
| PULL #4 | 3.23                | 3.27                        |  |          |
| PULL #5 | 3.16                | 3.28                        |  |          |
| TOTAL   | 16.00               | 16.66                       |  |          |
| AVERAGE | 3.20                | 3.33                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER 20<br>CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.05                | 4.17                        |                                   | 4.02                                    |
| PULL #2 | 3.93                | 4.18                        |                                   | 4.00                                    |
| PULL #3 | 4.17                | 4.16                        |                                   | 4.09                                    |
| PULL #4 | 4.00                | 4.16                        |                                   | 4.06                                    |
| PULL #5 | 4.15                | 4.17                        |                                   | 4.08                                    |
| TOTAL   | 20.30               | 20.84                       |                                   | 20.25                                   |
| AVERAGE | 4.06                | 4.16                        |                                   | 4.05                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587587.\_\_\_0

FILE DATE AND TIME: 08/06/2008 14:27

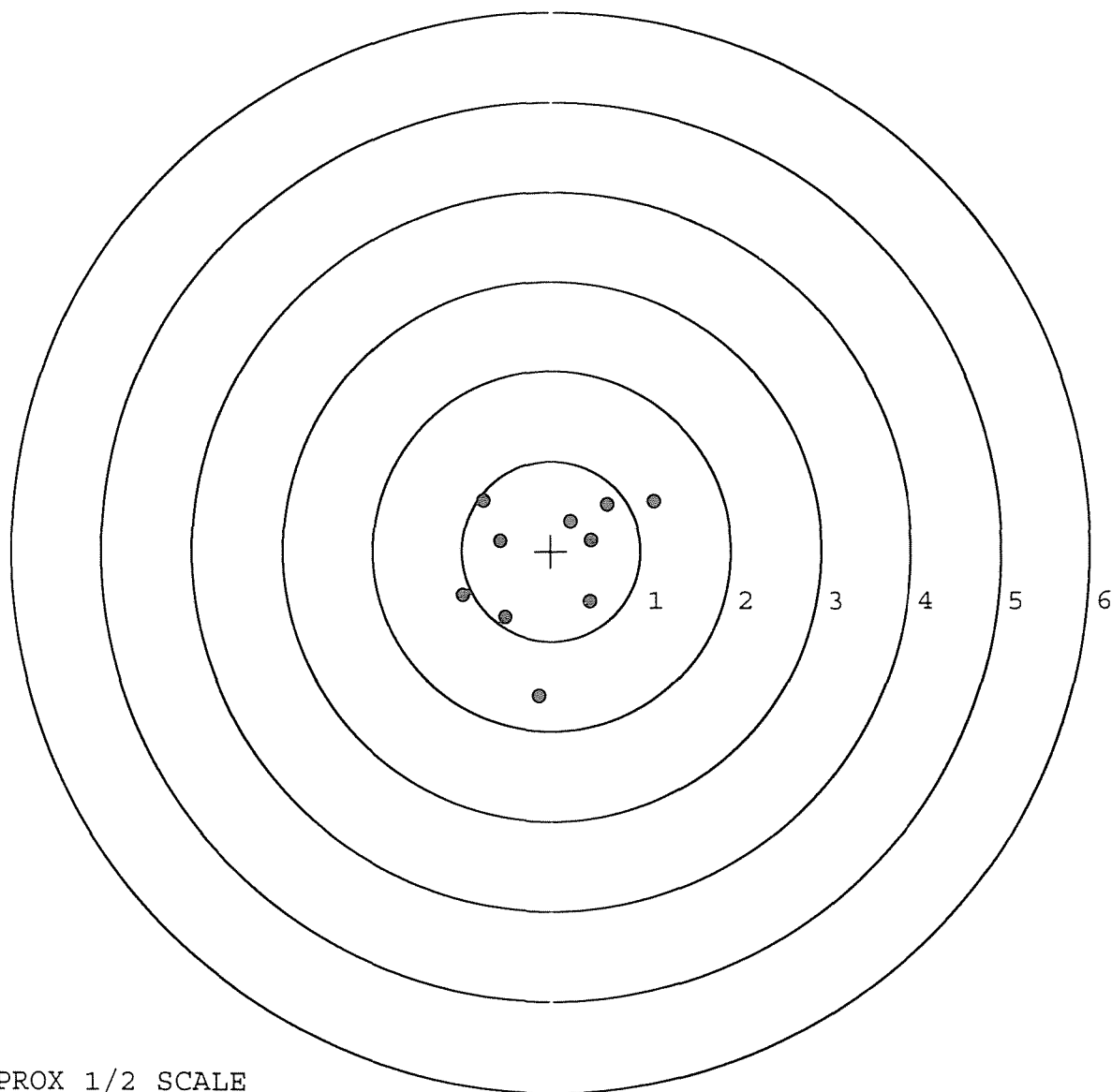
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.014 |
| The Average Y Centroid of the Five Target Set:              | -0.085 |
| The Average Point of Impact of the Five Target Set:         | 0.086  |
| The Average Mean Radius of the Five Target Set:             | 0.611  |
| The Distance from POA to Centroid Target #1:                | 0.124  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.092  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.051  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.126  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.101  |

SERIAL NUMBER: C6587587. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 08/06/2008  
 FILE TIME: 14:27

X CENTROID: -0.010  
 Y CENTROID: -0.123  
 POA TO CENTROID: 0.124  
 HORZ SPREAD: 2.134  
 VERT SPREAD: 2.172  
 GROUP SPREAD: 2.515  
 MIN RADIUS: 0.509  
 MAX RADIUS: 1.496  
 MEAN RADIUS: 0.886  
 # IN 1 IN DIAMETER: 0  
 # IN 2 IN DIAMETER: 6  
 # in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.146  | 0.548  |
| 2:     | 0.624  | 0.517  |
| 3:     | 0.450  | 0.125  |
| 4:     | 0.219  | 0.331  |
| 5:     | -0.573 | 0.109  |
| 6:     | -0.760 | 0.558  |
| 7:     | -0.988 | -0.500 |
| 8:     | -0.516 | -0.743 |
| 9:     | 0.440  | -0.563 |
| 10:    | -0.139 | -1.614 |

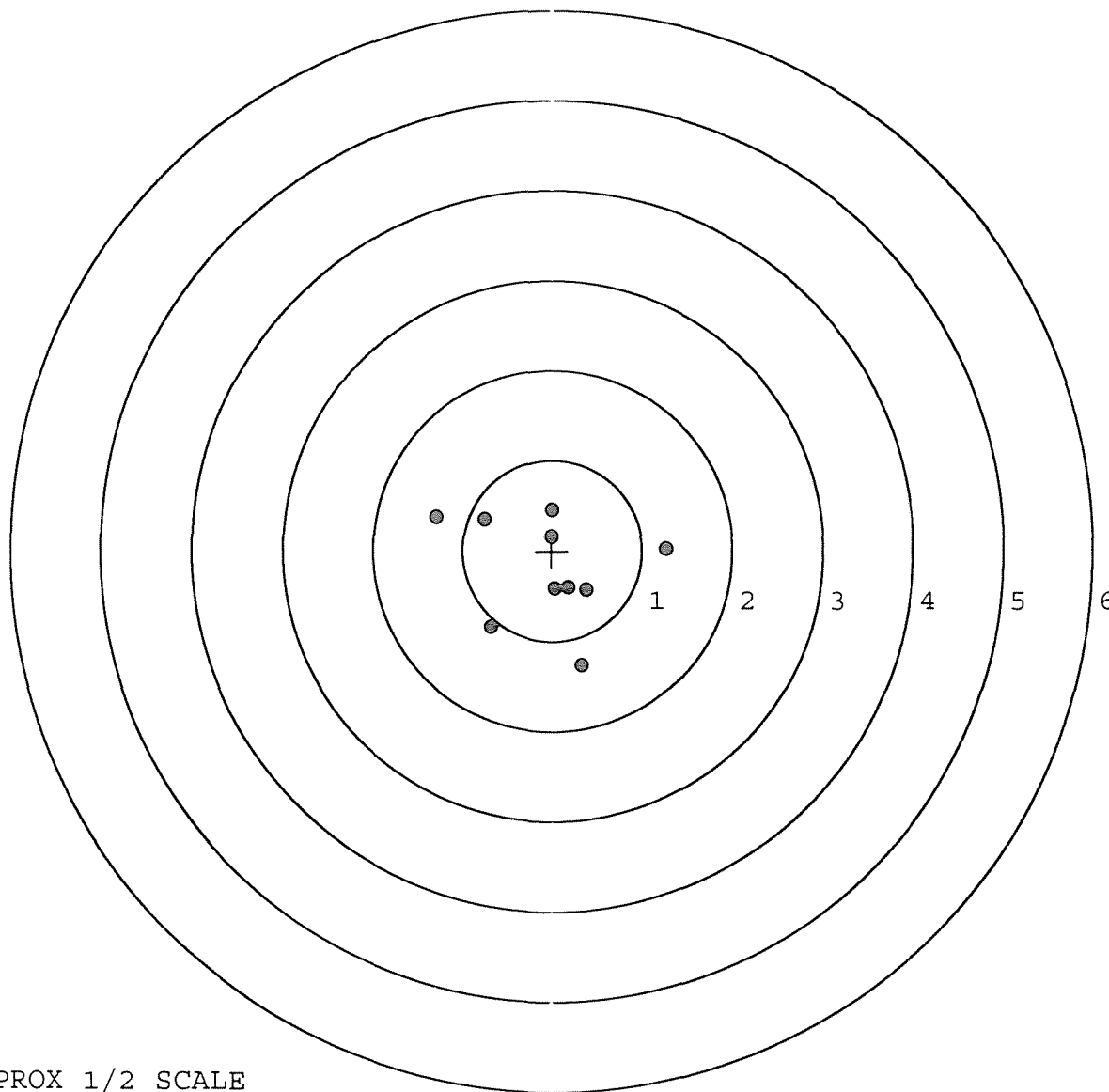


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587587.\_\_\_\_0  
TARGET NUMBER: 2  
FILE DATE: 08/06/2008  
FILE TIME: 14:27

X CENTROID: -0.053  
Y CENTROID: -0.204  
POA TO CENTROID: 0.211  
HORZ SPREAD: 2.565  
VERT SPREAD: 1.719  
GROUP SPREAD: 2.588  
MIN RADIUS: 0.239  
MAX RADIUS: 1.368  
MEAN RADIUS: 0.771  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.328  | -1.271 |
| 2:     | 1.271  | 0.025  |
| 3:     | 0.383  | -0.435 |
| 4:     | 0.036  | -0.426 |
| 5:     | 0.184  | -0.410 |
| 6:     | -0.684 | -0.850 |
| 7:     | -0.004 | 0.448  |
| 8:     | -0.755 | 0.346  |
| 9:     | -1.294 | 0.371  |
| 10:    | 0.006  | 0.158  |

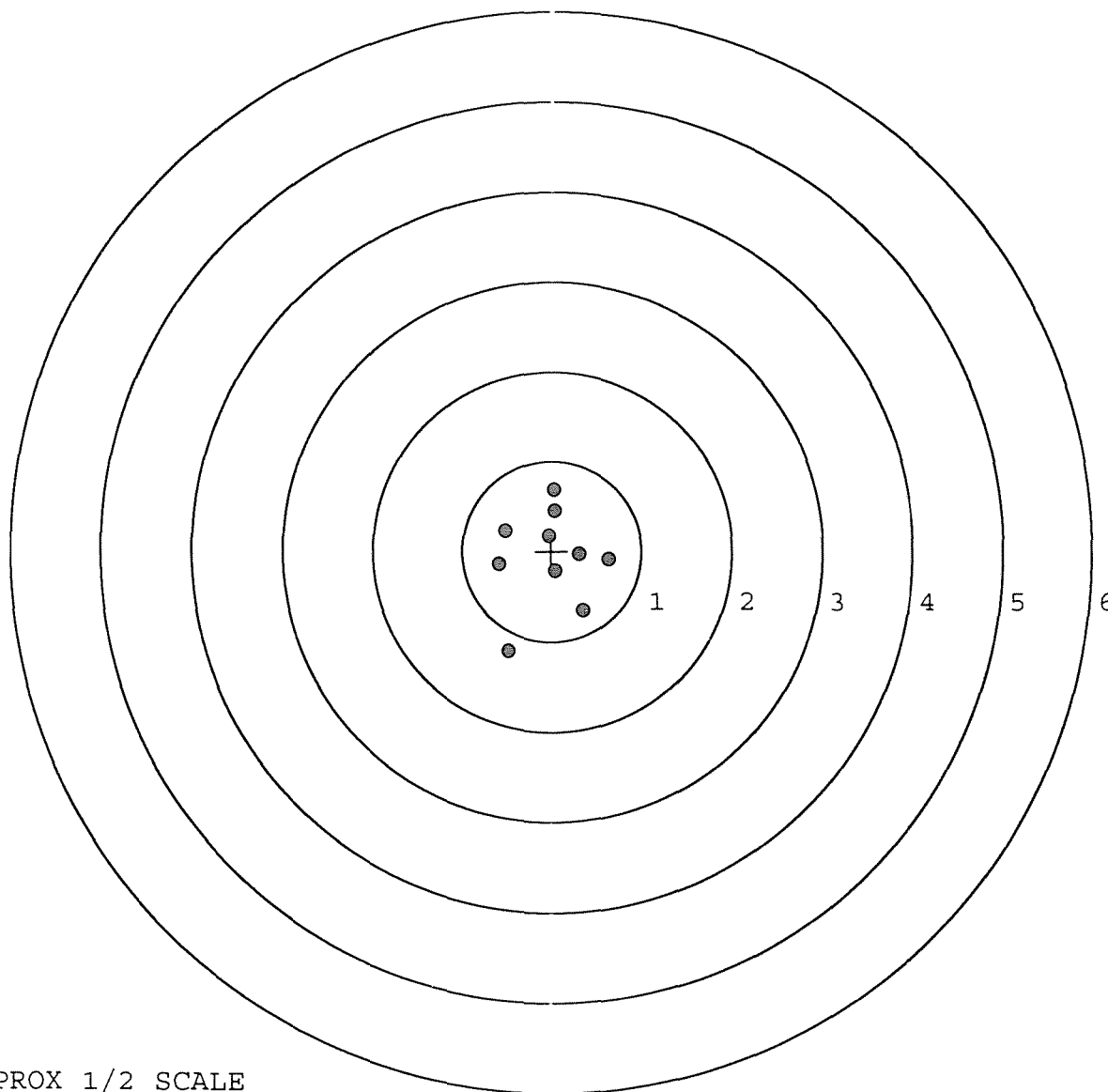


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587587.\_\_\_\_0  
TARGET NUMBER: 3  
FILE DATE: 08/06/2008  
FILE TIME: 14:27

X CENTROID: -0.022  
Y CENTROID: -0.073  
POA TO CENTROID: 0.077  
HORZ SPREAD: 1.226  
VERT SPREAD: 1.794  
GROUP SPREAD: 1.866  
MIN RADIUS: 0.162  
MAX RADIUS: 1.132  
MEAN RADIUS: 0.567  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.350  | -0.658 |
| 2:     | -0.482 | -1.108 |
| 3:     | 0.638  | -0.091 |
| 4:     | -0.588 | -0.152 |
| 5:     | -0.523 | 0.225  |
| 6:     | 0.044  | -0.222 |
| 7:     | 0.307  | -0.036 |
| 8:     | -0.030 | 0.172  |
| 9:     | 0.035  | 0.449  |
| 10:    | 0.031  | 0.686  |



TARGET APPROX 1/2 SCALE



SERIAL NUMBER: C6587587. \_\_0

TARGET NUMBER: 4

FILE DATE: 08/06/2008

FILE TIME: 14:27

X CENTROID: 0.005

Y CENTROID: 0.002

POA TO CENTROID: 0.005

HORZ SPREAD: 1.065

VERT SPREAD: 1.685

GROUP SPREAD: 1.758

MIN RADIUS: 0.130

MAX RADIUS: 1.053

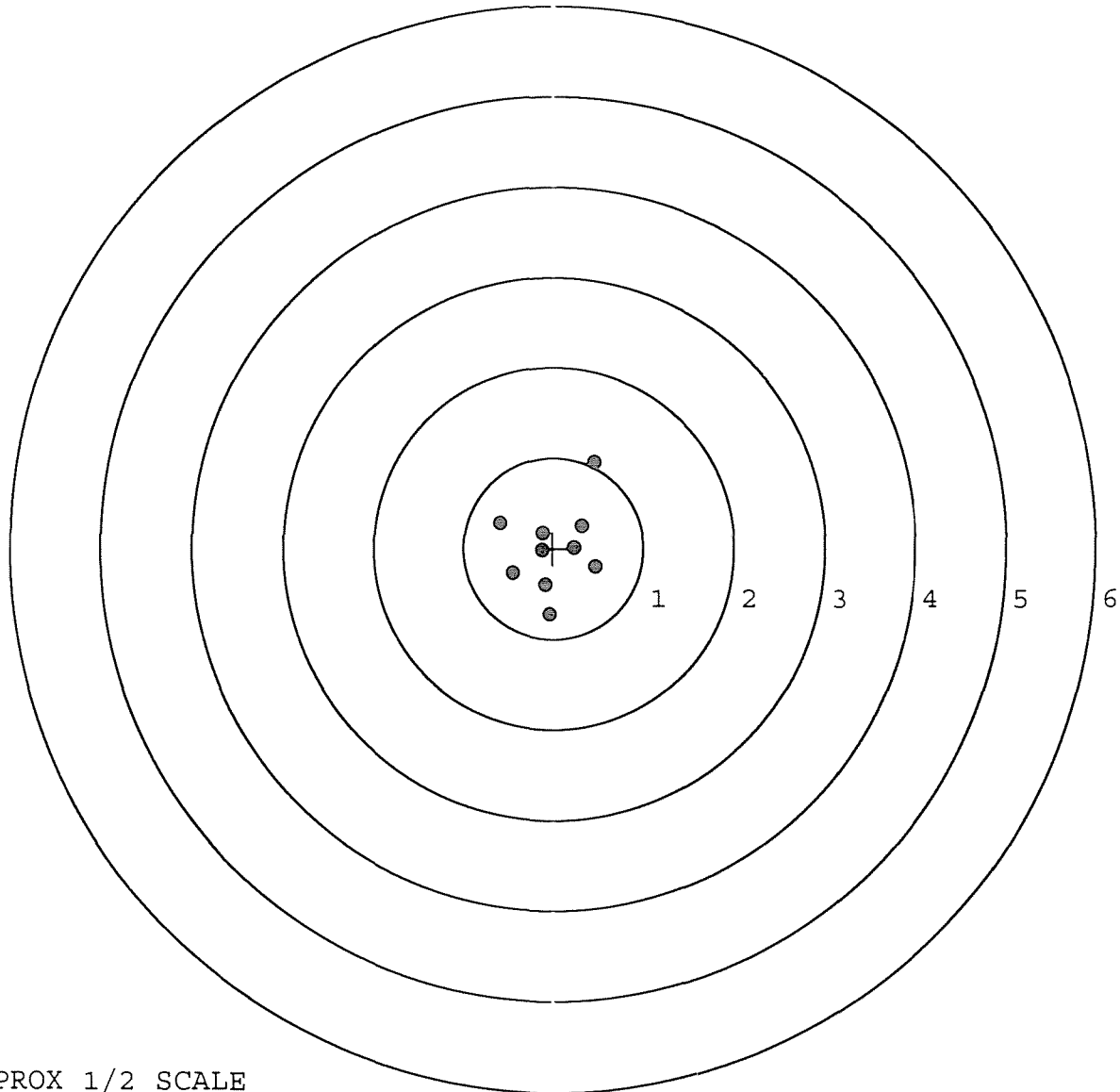
MEAN RADIUS: 0.487

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.457  | 0.953  |
| 2:     | 0.470  | -0.202 |
| 3:     | 0.314  | 0.250  |
| 4:     | -0.119 | 0.170  |
| 5:     | -0.595 | 0.275  |
| 6:     | -0.451 | -0.279 |
| 7:     | -0.093 | -0.404 |
| 8:     | -0.046 | -0.732 |
| 9:     | -0.123 | -0.022 |
| 10:    | 0.235  | 0.012  |

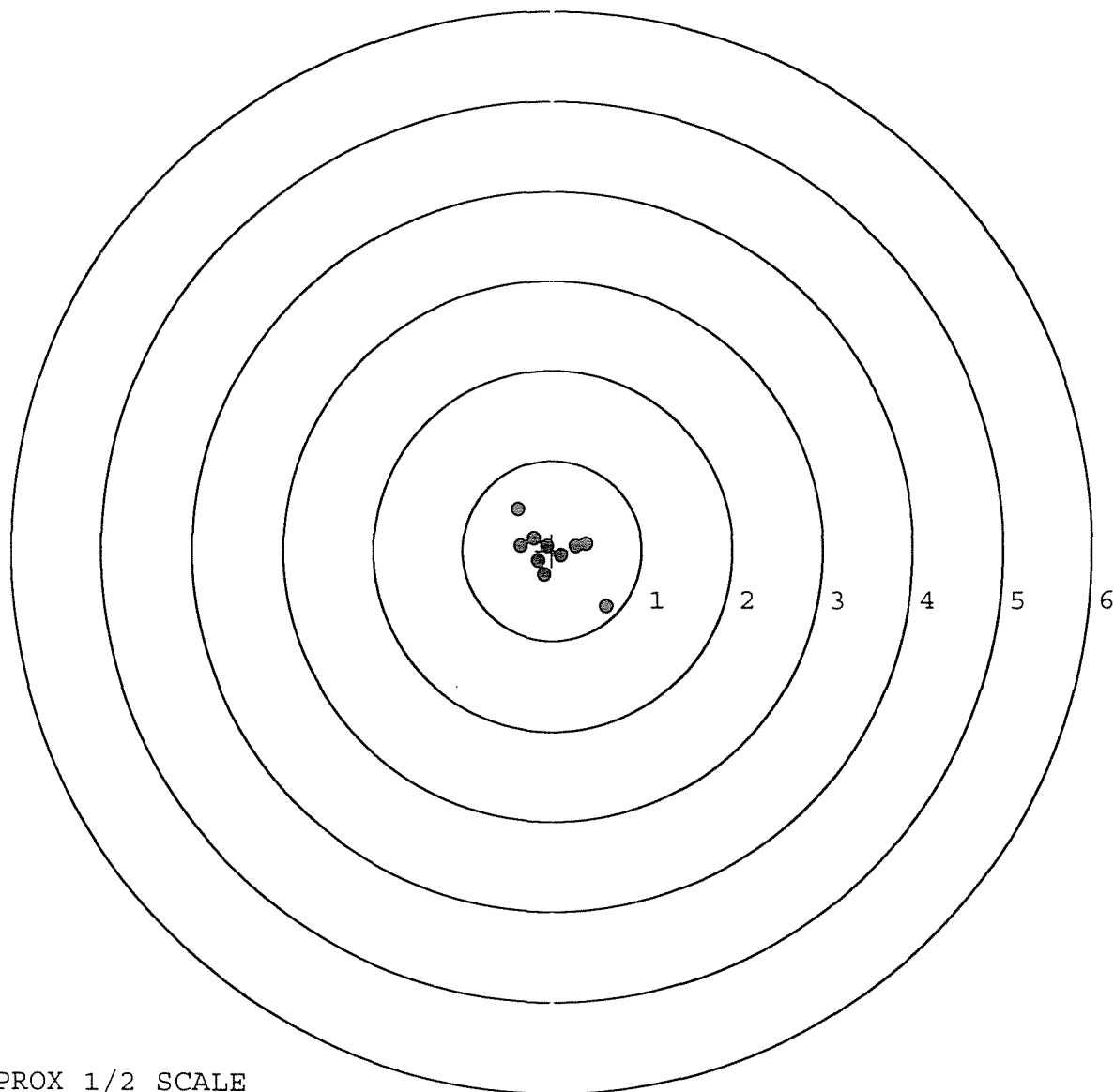


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587587.\_\_\_\_0  
TARGET NUMBER: 5  
FILE DATE: 08/06/2008  
FILE TIME: 14:27

X CENTROID: 0.011  
Y CENTROID: -0.024  
POA TO CENTROID: 0.026  
HORZ SPREAD: 0.985  
VERT SPREAD: 1.081  
GROUP SPREAD: 1.462  
MIN RADIUS: 0.095  
MAX RADIUS: 0.840  
MEAN RADIUS: 0.341  
# IN 1 IN DIAMETER: 8  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.600  | -0.623 |
| 2:     | 0.386  | 0.076  |
| 3:     | 0.268  | 0.048  |
| 4:     | 0.101  | -0.055 |
| 5:     | -0.054 | 0.052  |
| 6:     | -0.089 | -0.273 |
| 7:     | -0.157 | -0.116 |
| 8:     | -0.351 | 0.059  |
| 9:     | -0.385 | 0.458  |
| 10:    | -0.206 | 0.135  |



TARGET APPROX 1/2 SCALE

**Remington**  
MODEL 700™ H24

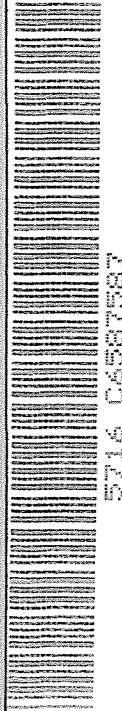
**DUPONT**  
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.  
06587587

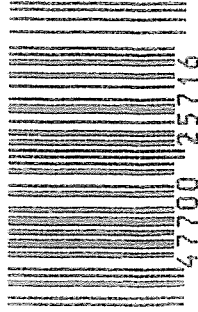
ORDER NO.  
5716

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



5716 06587587

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587587

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INI |
|--------------|----------------------------------------------------------------|----------|----------|-----|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 10/19/90 | K4  |
| 600          | Proof                                                          |          | 10/19/90 | K4  |
| 607          | Check Headspace                                                |          | 10/19/90 | K4  |
| 610          | Dis-assemble Gun                                               |          | 10/19/90 | K4  |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/22/90 | K4  |
|              | Magnaflux Bolt                                                 |          | 10/22/90 | K4  |
| 615          | Rollmark Caliber                                               |          | 10/22/90 | K4  |
| 617          | Drill and Tap Sight Holes                                      |          | 10/23/90 | K4  |
| 618          | Polish Barrel RB                                               |          | 10/24/90 | K4  |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-7-90  | K4  |
|              | Apply Coating (Bolt)                                           |          |          | K4  |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/7/90  | K4  |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/7/90  | K4  |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/7/90  | K4  |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/7/90  | K4  |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11/12/90 | K4  |

| Op. #        | OP. NAME                                                    | READINGS |      |      |          | DATE | INIT     |     |
|--------------|-------------------------------------------------------------|----------|------|------|----------|------|----------|-----|
| 625<br>cont. | F) Safety On Force                                          | 5.0      | 5.0  | 5.0  | 11-9-90  | KT   |          |     |
|              | G) Safety Off Force                                         | 3.0      | 2.75 | 2.75 | 11-9-90  | KT   |          |     |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |          |      |          |     |
|              | I) Firing Pin Indent                                        | .021     | .022 | .021 | 11-9-90  | KT   |          |     |
|              | J) Assemble Stock                                           |          |      |      | 11/12/90 | KS   |          |     |
|              | K) Assemble Swivel Studs                                    |          |      |      | 11/19/90 | 928  |          |     |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      | 11/12/90 | KS   |          |     |
|              | M) Iron Sight Alignment                                     |          |      |      | 11/12/90 | KS   |          |     |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      | 11/12/90 | KS   |          |     |
|              | O) Attach Scope to Rifle                                    |          |      |      | 11/12/90 | KS   |          |     |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      | 11/12/90 | KS   |          |     |
| 640          | Gallery Target & Test                                       |          |      |      | 11-13-90 | AC   |          |     |
|              | A) Time                                                     |          |      |      | 11-13-90 | AC   |          |     |
|              | B) Malfunctions                                             |          |      |      | 11-13-90 | AC   |          |     |
|              | C) Pierced Primers                                          |          |      |      | 11-13-90 | AC   |          |     |
|              | D) Optical Clarity of Scope                                 |          |      |      | 11-13-90 | AC   |          |     |
| 645          | Inspect for Live Ammo                                       |          |      |      | 11-13-90 | AC   |          |     |
| 655          | Final Inspection                                            |          |      |      |          |      |          |     |
|              | A) Headspace                                                |          |      |      | 11/19/90 | 928  |          |     |
|              | B) Trigger Pull                                             | 246      | 256  | 251  | 249      | 256  | 11/19/90 | 928 |
|              | C) Function                                                 |          |      |      |          |      | 11/19/90 | 928 |
| 660          | Pack                                                        |          |      |      |          |      | 12-17-90 | D/H |

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587587  
DATE 12/10/90  
TESTER Q28

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 250              | 232                      | 233                            | 246 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 238              | 238                      | 237                            | 256 |                                                                        |
| PULL #3 | 230              | 239                      | 249                            | 251 |                                                                        |
| PULL #4 | 236              | 237                      | 243                            | 249 |                                                                        |
| PULL #5 | 235              | 238                      | 242                            | 256 |                                                                        |
| TOTAL   |                  |                          |                                |     |                                                                        |
| AVG.    |                  |                          |                                |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 290              | 296                      |  |          |
| PULL #2 | 296              | 288                      |  |          |
| PULL #3 | 296              | 300                      |  |          |
| PULL #4 | 298              | 297                      |  |          |
| PULL #5 | 304              | 298                      |  |          |
| 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 | 397              | 404                      |                                | 4.20                                 |
| PULL #2 | 409              | 403                      |                                | 4.15                                 |
| PULL #3 | 407              | 401                      |                                | 4.19                                 |
| PULL #4 | 395              | 401                      |                                | 4.18                                 |
| PULL #5 | 402              | 401                      |                                | 4.21                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587587  
13 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .465102 |
| 1 TO | 2 | .256813 |
| 1 TO | 3 | .795327 |
| 1 TO | 4 | .396268 |
| 1 TO | 5 | .47009  |

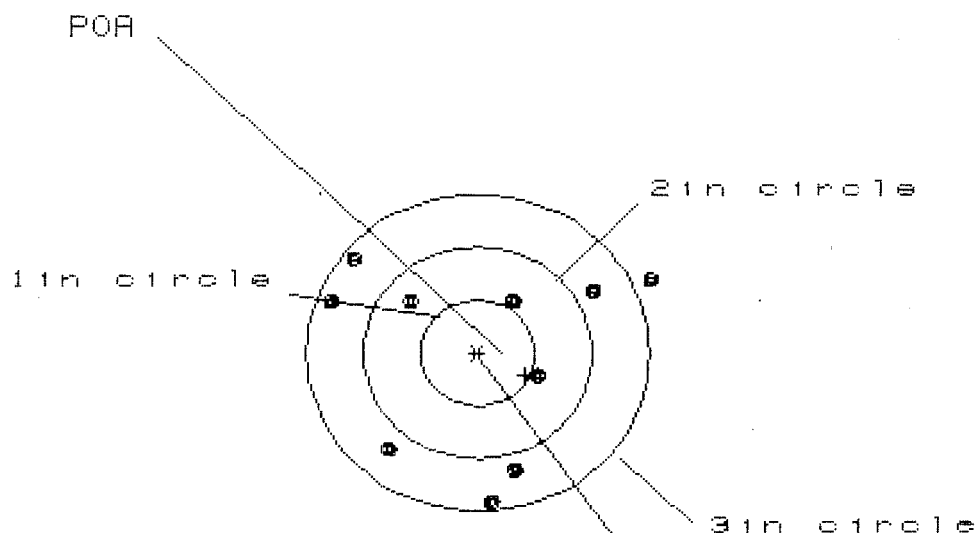
$L_2^4$   $\frac{4}{5}$  <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1512  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.017  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .152153  
THE AMR FOR THIS RIFLE IS: 1.091

13 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06587587

# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1in = 0

2in = 3

3in = 9

HS= 2.819

VS= 2.357

GS= 2.841

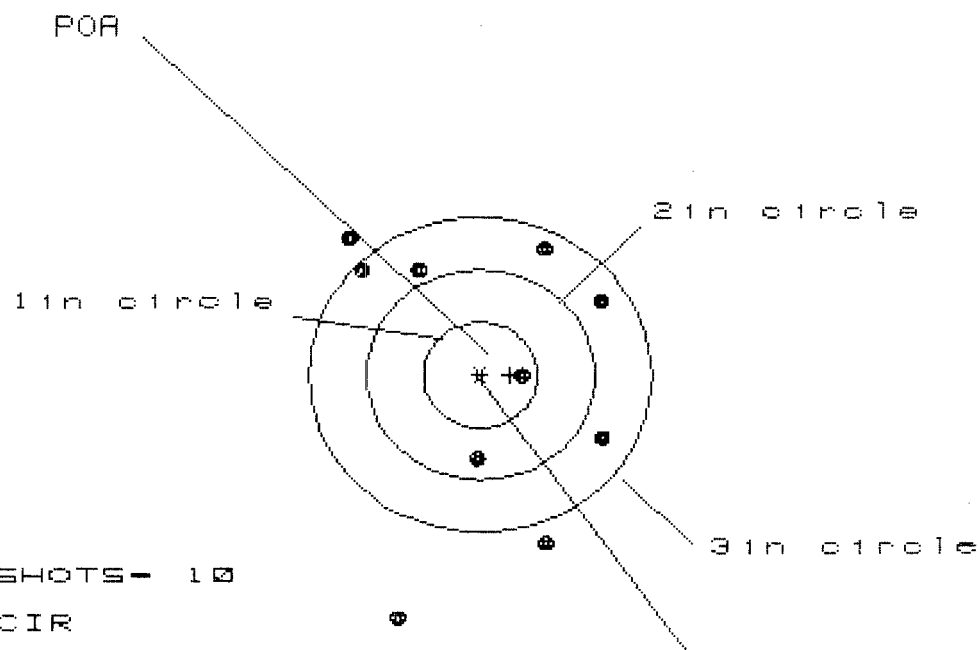
| PATTERN #                   | : | 1      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.558  | 1.210  | 1.241  |
| MINIMUM X                   | : | -1.261 | -1.088 | -1.057 |
| MAXIMUM Y                   | : | .906   | .981   | .809   |
| MINIMUM Y                   | : | -1.451 | -1.376 | -1.206 |
| CENTROID X                  | : | -.416  | -.589  | -.620  |
| CENTROID Y                  | : | .208   | .133   | .305   |
| POA TO CENTROID in.         | : | .465   | .604   | .691   |
| MIN RADIUS                  | : | .553   | .714   | .599   |
| MEAN RADIUS                 | : | 1.144  | 1.082  | 1.022  |
| MAX RADIUS                  | : | 1.696  | 1.398  | 1.334  |
| HORIZONTAL SPREAD           | : | 2.819  | 2.298  | 2.298  |
| VERTICAL SPREAD             | : | 2.357  | 2.357  | 2.015  |
| EXTREME SPREAD              | : | 2.841  | 2.633  | 2.454  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |



13 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587587

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.171

VS= 3.638

GS= 3.794

CENTROID #

| PATTERN #                     | : | 2      |        |        |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.067  | .980   | .831   |
| MINIMUM X                     | : | -1.104 | -1.191 | -1.258 |
| MAXIMUM Y                     | : | 1.316  | 1.058  | 1.101  |
| MINIMUM Y                     | : | -2.322 | -1.850 | -1.717 |
| CENTROID X                    | : | -.264  | -.177  | -.028  |
| CENTROID Y                    | : | .001   | .259   | .126   |
| POA TO CENTROID in.           | : | .264   | .313   | .129   |
| MIN RADIUS                    | : | .334   | .339   | .140   |
| MEAN RADIUS                   | : | 1.332  | 1.176  | 1.091  |
| MAX RADIUS                    | : | 2.450  | 1.902  | 1.742  |
| HORIZONTAL SPREAD             | : | 2.171  | 2.171  | 2.089  |
| VERTICAL SPREAD               | : | 3.638  | 2.908  | 2.818  |
| EXTREME SPREAD                | : | 3.794  | 3.335  | 3.038  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 7      |        |

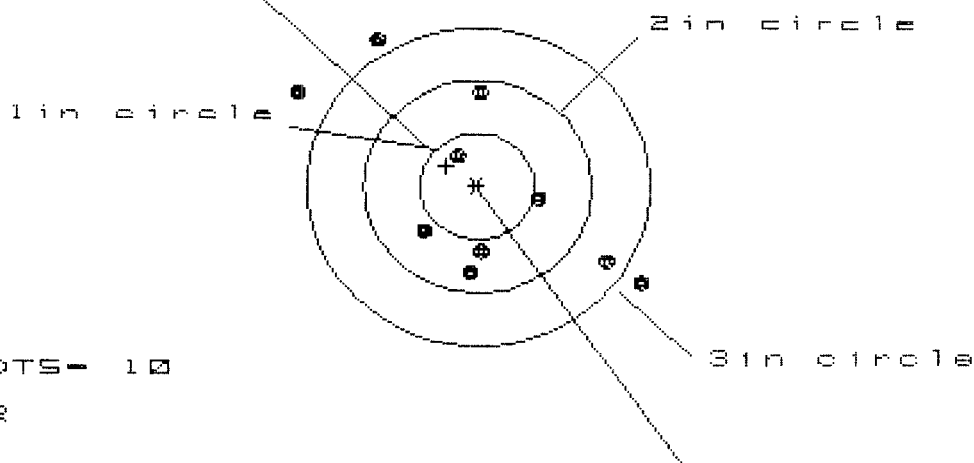
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# CENTERFIRE PATTERNS

# 3

POA



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 6

3in = 7

HS= 3.015

VS= 2.275

GS= 3.466

CENTROID \*

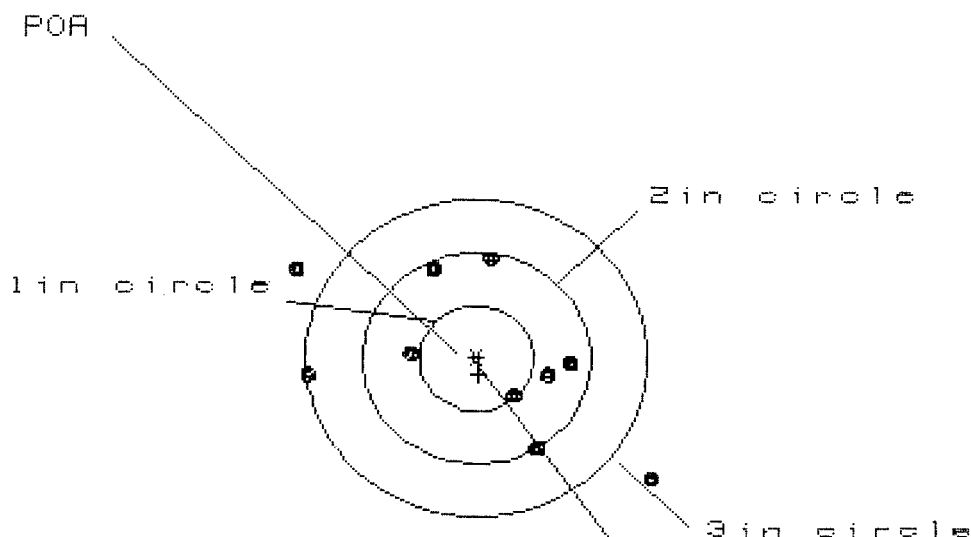
| PATTERN #                   | : | 3      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.405  | 1.226  | 1.095 |
| MINIMUM X                   | : | -1.610 | -1.046 | -.760 |
| MAXIMUM Y                   | : | 1.413  | 1.507  | 1.160 |
| MINIMUM Y                   | : | -.862  | -.768  | -.579 |
| CENTROID X                  | : | .272   | .451   | .582  |
| CENTROID Y                  | : | -.191  | -.285  | -.474 |
| POA TO CENTROID in.         | : | .332   | .533   | .750  |
| MIN RADIUS                  | : | .377   | .376   | .310  |
| MEAN RADIUS                 | : | 1.032  | .927   | .791  |
| MAX RADIUS                  | : | 1.819  | 1.835  | 1.239 |
| HORIZONTAL SPREAD           | : | 3.015  | 2.272  | 1.855 |
| VERTICAL SPREAD             | : | 2.275  | 2.275  | 1.739 |
| EXTREME SPREAD              | : | 3.466  | 3.215  | 2.217 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |       |

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# CENTERFIRE PATTERNS

# 4



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.035

VS= 2.024

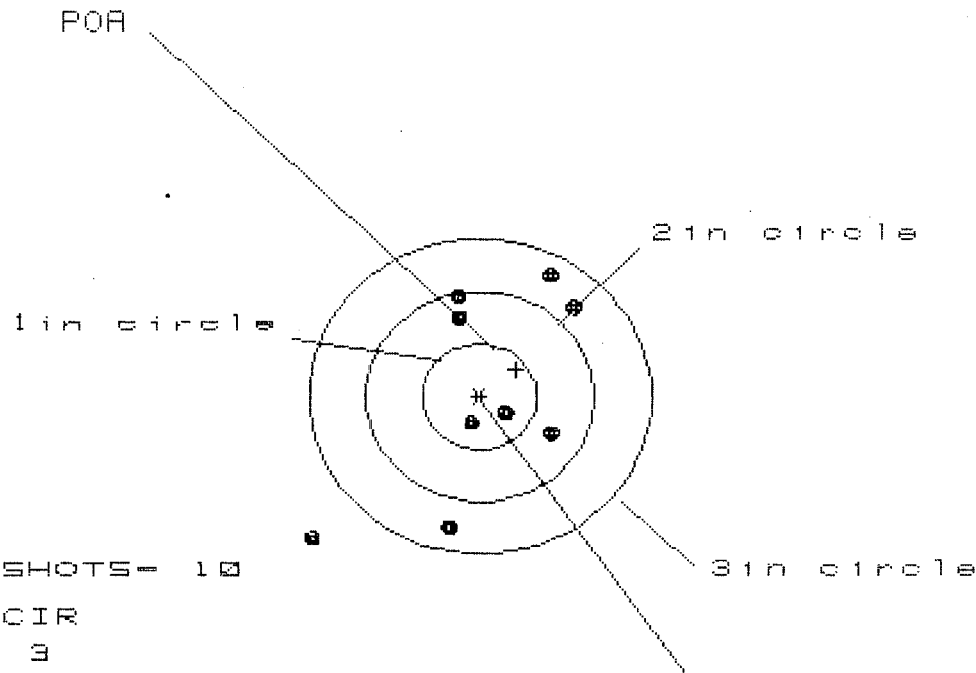
GS= 3.616

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.480  | .979   | .805   |
| MINIMUM X                   | : | -1.555 | -1.391 | -1.438 |
| MAXIMUM Y                   | : | .909   | .785   | .876   |
| MINIMUM Y                   | : | -1.115 | -.992  | -.901  |
| CENTROID X                  | : | -.024  | -.188  | -.014  |
| CENTROID Y                  | : | .150   | .274   | .183   |
| POA TO CENTROID in.         | : | .152   | .332   | .183   |
| MIN RADIUS                  | : | .479   | .423   | .497   |
| MEAN RADIUS                 | : | 1.045  | .957   | .852   |
| MAX RADIUS                  | : | 1.853  | 1.569  | 1.451  |
| HORIZONTAL SPREAD           | : | 3.035  | 2.370  | 2.243  |
| VERTICAL SPREAD             | : | 2.024  | 1.777  | 1.777  |
| EXTREME SPREAD              | : | 3.616  | 2.728  | 2.245  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.253

VS= 2.528

GS= 3.255

CENTROID #

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .829   | .669   | .726   |
| MINIMUM X                   | : | -1.434 | -.470  | -.413  |
| MAXIMUM Y                   | : | 1.161  | 1.009  | .917   |
| MINIMUM Y                   | : | -1.367 | -1.401 | -1.274 |
| CENTROID X                  | : | -.324  | -.164  | -.221  |
| CENTROID Y                  | : | -.253  | -.101  | -.228  |
| POA TO CENTROID in.         | : | .411   | .193   | .317   |
| MIN RADIUS                  | : | .261   | .344   | .233   |
| MEAN RADIUS                 | : | .903   | .788   | .718   |
| MAX RADIUS                  | : | 1.981  | 1.477  | 1.340  |
| HORIZONTAL SPREAD           | : | 2.263  | 1.139  | 1.139  |
| VERTICAL SPREAD             | : | 2.528  | 2.410  | 2.192  |
| EXTREME SPREAD              | : | 3.255  | 2.582  | 2.390  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |