

C6225431

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Arms Services Repair & Estimate System**  
**BARBER - M24 0000687**

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

**Repair Inquiry**

Repair Number: **RE00062015** Serial: C6225431 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: \_\_\_\_\_  
 Verify Repair \_\_\_\_\_ Status: Closed 2/21/2003 8:04:21 AM

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: **COMMANDER** **COMMANDER**

Address 1: **1ST CAV DIVISION** **1ST CAV DIVISION**

Address 2: **BLDG 49015** PO Box: \_\_\_\_\_ **BLDG 49015** PO Box: \_\_\_\_\_

City: **FORT HOOD** **FORT HOOD**

State: **TX** Zip Code: **76544** Country: **US** State: **TX** Zip Code: **76544** 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   |
| A010 | Hard Case         | 1   |
| A017 | Scope Base        | 1   |
| A026 | Scope             | 1   |
| A045 | Bi Pod            | 1   |
| B000 | SCOPE CASE        | 1   |
| B100 | FRT & REAR SGT BA | 1   |

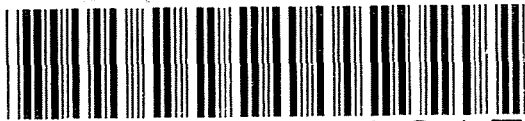
**Repair Search** **Refresh** **Close**

nagletj 2/21/2003 8:07 AM CAPS NUM INS SCPL

start 4 M Arms... 2 M Part ME SAP MVD. Acc 8:07 AM

Serial Number: **C6225431**

Model: **700**



**RE00062015**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225431.\_\_\_0  
FILE DATE AND TIME: 03/09/2003 01:45

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.081 |
| The Average Y Centroid of the Five Target Set:              | -0.081 |
| The Average Point of Impact of the Five Target Set:         | 0.114  |
| The Average Mean Radius of the Five Target Set:             | 0.715  |
| The Distance from POA to Centroid Target #1:                | 0.202  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.320  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.462  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.222  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.310  |

SERIAL NUMBER: C6225431. \_\_0

TARGET NUMBER: 1

FILE DATE: 03/09/2003

FILE TIME: 01:45

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.616  | -0.692 |
| 2:     | 0.211  | -0.559 |
| 3:     | -0.520 | -0.395 |
| 4:     | -0.806 | 0.635  |
| 5:     | -1.042 | 0.650  |
| 6:     | -1.578 | 0.792  |
| 7:     | 0.160  | 0.381  |
| 8:     | 0.496  | 0.618  |
| 9:     | 0.911  | 0.346  |
| 10:    | 0.551  | -0.020 |

X CENTROID: -0.100

Y CENTROID: 0.176

POA TO CENTROID: 0.202

HORZ SPREAD: 2.489

VERT SPREAD: 1.484

GROUP SPREAD: 2.649

MIN RADIUS: 0.331

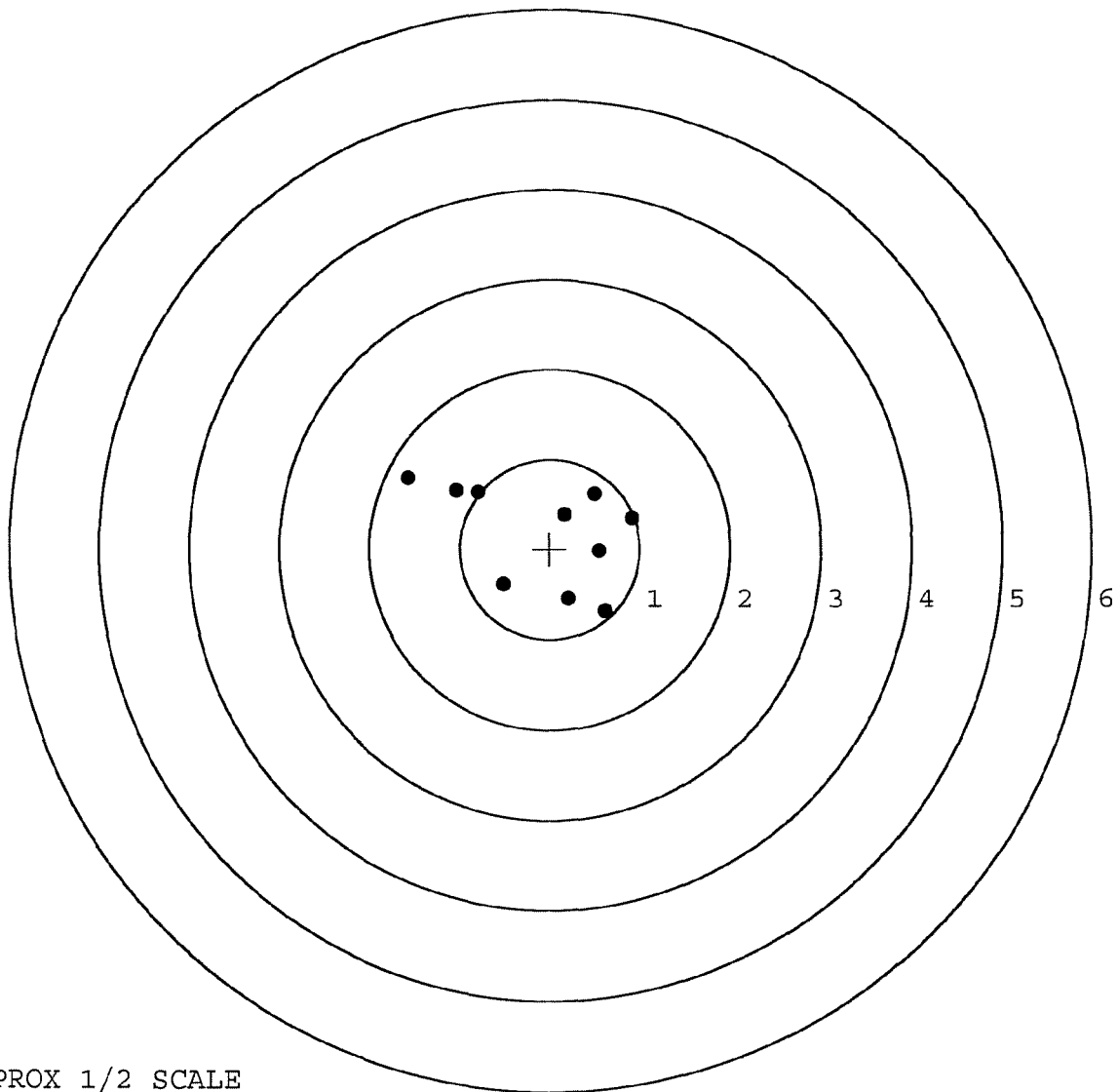
MAX RADIUS: 1.601

MEAN RADIUS: 0.891

# IN 1 IN DIAMETER: 1

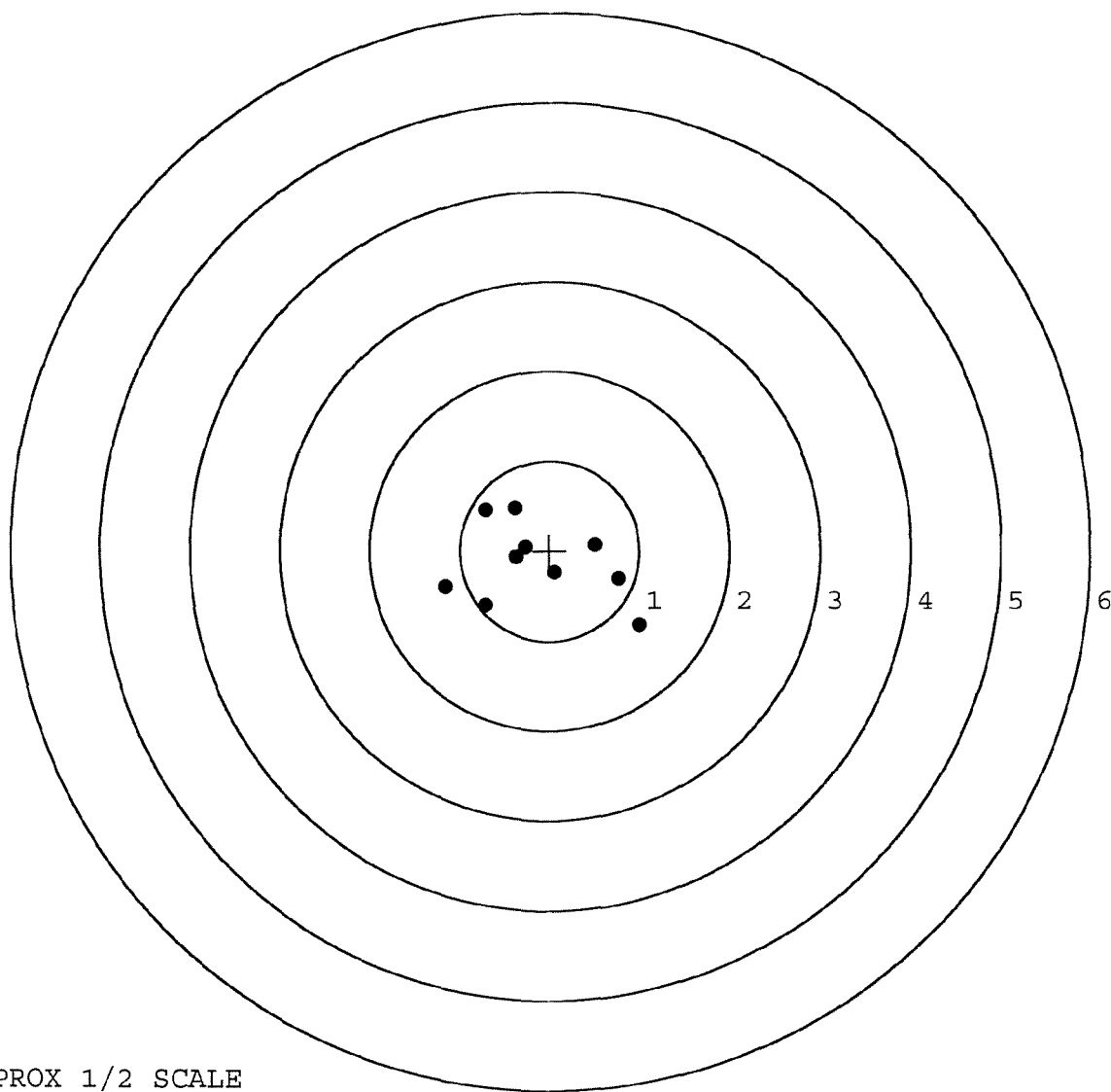
# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

|                               |        |        |        |
|-------------------------------|--------|--------|--------|
| SERIAL NUMBER: C6225431. __ 0 | POINT# | X      | Y      |
| TARGET NUMBER: 2              | 1:     | -0.717 | -0.609 |
| FILE DATE: 03/09/2003         | 2:     | -1.163 | -0.404 |
| FILE TIME: 01:45              | 3:     | 1.004  | -0.826 |
|                               | 4:     | 0.769  | -0.307 |
| X CENTROID: -0.129            | 5:     | 0.510  | 0.065  |
| Y CENTROID: -0.143            | 6:     | 0.059  | -0.242 |
| POA TO CENTROID: 0.192        | 7:     | -0.375 | -0.069 |
| HORZ SPREAD: 2.167            | 8:     | -0.267 | 0.042  |
| VERT SPREAD: 1.296            | 9:     | -0.390 | 0.470  |
| GROUP SPREAD: 2.208           | 10:    | -0.718 | 0.450  |
| MIN RADIUS: 0.212             |        |        |        |
| MAX RADIUS: 1.323             |        |        |        |
| MEAN RADIUS: 0.693            |        |        |        |
| # IN 1 IN DIAMETER: 3         |        |        |        |
| # IN 2 IN DIAMETER: 8         |        |        |        |
| # in 3 IN DIAMETER: 10        |        |        |        |

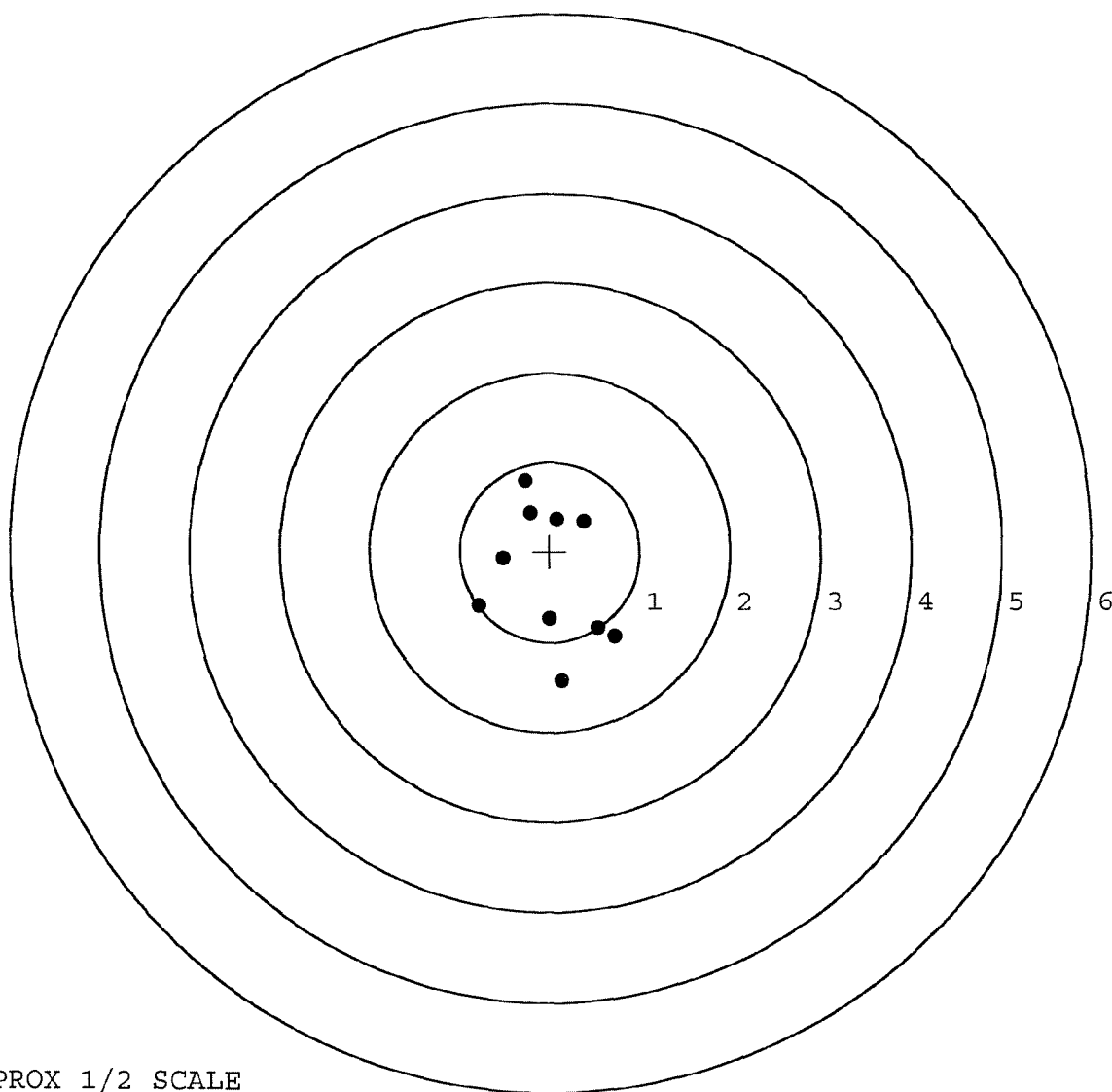


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225431. \_\_0  
 TARGET NUMBER: 3  
 FILE DATE: 03/09/2003  
 FILE TIME: 01:45

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.146  | -1.433 |
| 2:     | 0.721  | -0.935 |
| 3:     | 0.537  | -0.853 |
| 4:     | 0.006  | -0.753 |
| 5:     | -0.791 | -0.613 |
| 6:     | -0.522 | -0.075 |
| 7:     | 0.374  | 0.335  |
| 8:     | 0.079  | 0.364  |
| 9:     | -0.224 | 0.431  |
| 10:    | -0.279 | 0.790  |

X CENTROID: 0.005  
 Y CENTROID: -0.274  
 POA TO CENTROID: 0.274  
 HORZ SPREAD: 1.512  
 VERT SPREAD: 2.223  
 GROUP SPREAD: 2.263  
 MIN RADIUS: 0.479  
 MAX RADIUS: 1.167  
 MEAN RADIUS: 0.803  
 # IN 1 IN DIAMETER: 1  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



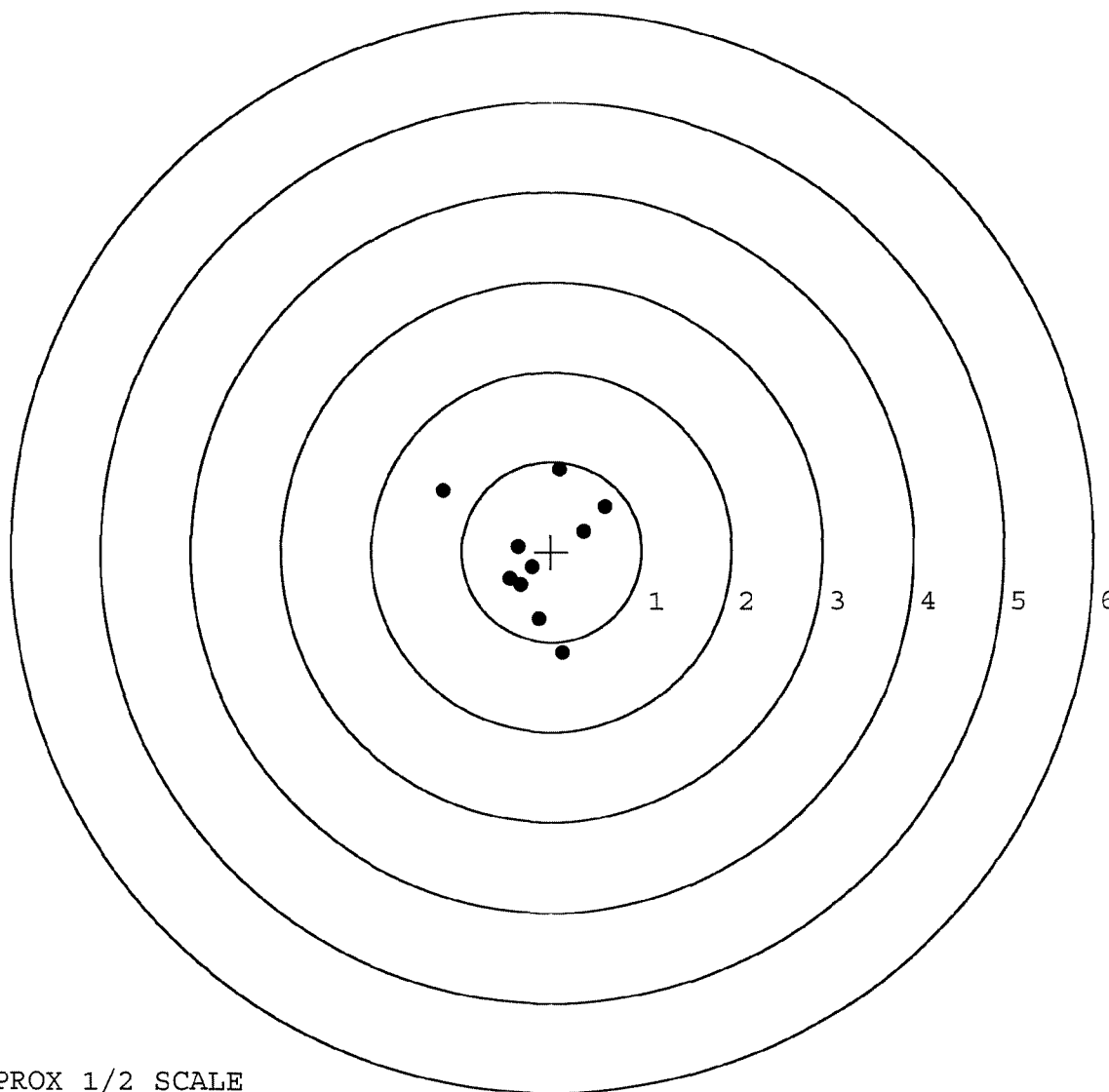
TARGET APPROX 1/2 SCALE

**BARBER - M24 0060653**

SERIAL NUMBER: C6225431. \_\_0  
 TARGET NUMBER: 4  
 FILE DATE: 03/09/2003  
 FILE TIME: 01:45

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.122  | -1.124 |
| 2:     | -0.141 | -0.753 |
| 3:     | -0.344 | -0.379 |
| 4:     | -0.465 | -0.312 |
| 5:     | -0.219 | -0.178 |
| 6:     | 0.357  | 0.220  |
| 7:     | 0.590  | 0.495  |
| 8:     | 0.091  | 0.916  |
| 9:     | -0.373 | 0.052  |
| 10:    | -1.208 | 0.674  |

X CENTROID: -0.159  
 Y CENTROID: -0.039  
 POA TO CENTROID: 0.164  
 HORZ SPREAD: 1.798  
 VERT SPREAD: 2.040  
 GROUP SPREAD: 2.236  
 MIN RADIUS: 0.151  
 MAX RADIUS: 1.268  
 MEAN RADIUS: 0.677  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



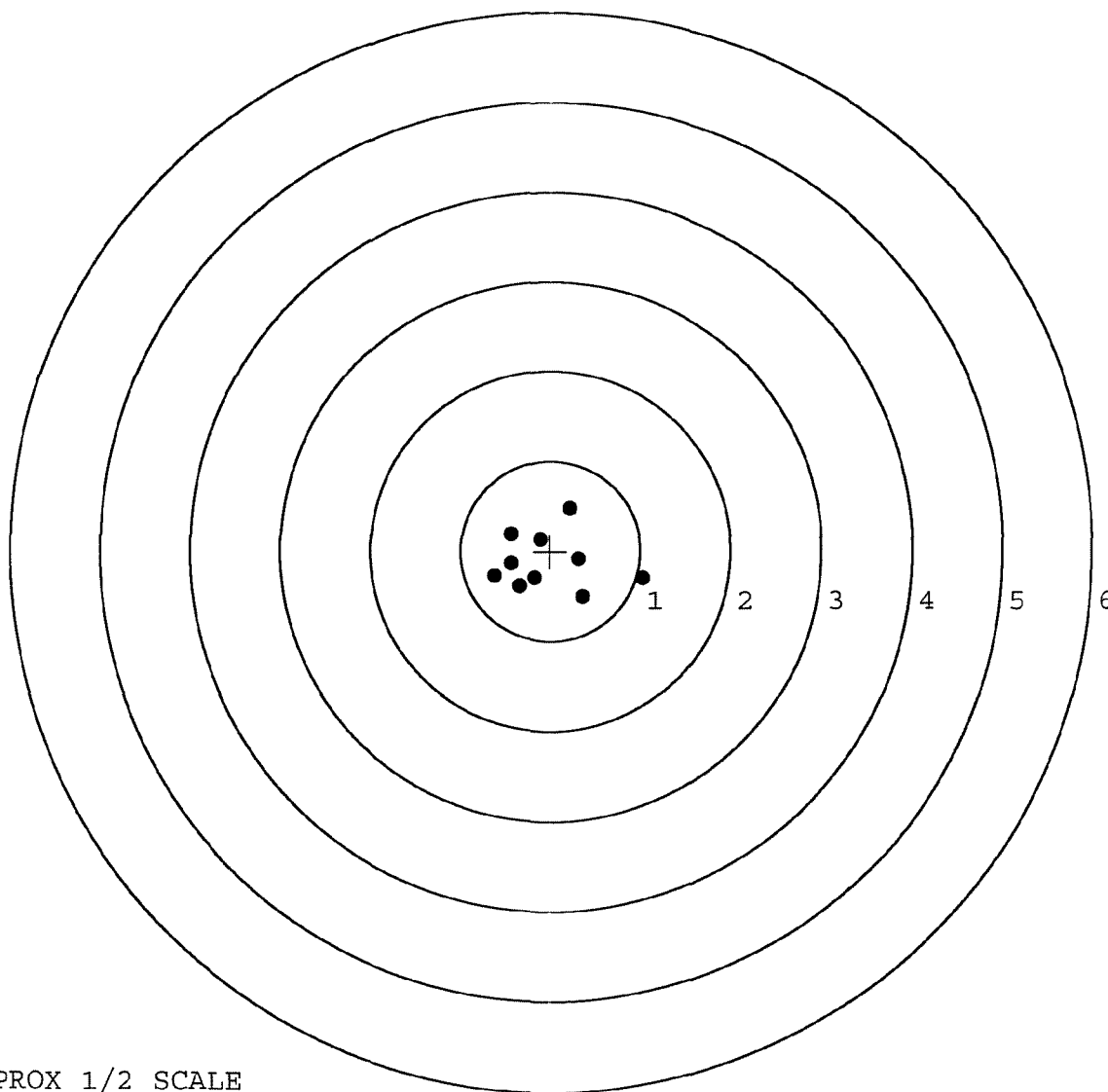
TARGET APPROX 1/2 SCALE

**BARBER - M24 0060654**

SERIAL NUMBER: C6225431. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 03/09/2003  
FILE TIME: 01:45

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.033  | -0.309 |
| 2:     | 0.362  | -0.510 |
| 3:     | 0.318  | -0.088 |
| 4:     | 0.217  | 0.478  |
| 5:     | -0.108 | 0.128  |
| 6:     | -0.440 | 0.187  |
| 7:     | -0.622 | -0.285 |
| 8:     | -0.435 | -0.143 |
| 9:     | -0.346 | -0.398 |
| 10:    | -0.179 | -0.303 |

X CENTROID: -0.020  
Y CENTROID: -0.124  
POA TO CENTROID: 0.126  
HORZ SPREAD: 1.655  
VERT SPREAD: 0.988  
GROUP SPREAD: 1.655  
MIN RADIUS: 0.239  
MAX RADIUS: 1.069  
MEAN RADIUS: 0.509  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL # C6225431 INSPECTED BY: KJL

DATE REC'D: 2-21-03 DATE RET'D: 3-12-03

## 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:

|                     |                    |           |         |
|---------------------|--------------------|-----------|---------|
| R & E NUMBER        | 102015             |           |         |
| SERIAL NUMBER       | C6225431           |           |         |
| LOG-IN DATE         | 2/24/03            |           |         |
| INSPECT AND VERIFY: |                    |           |         |
| OPERATION #         | OPERATION NAME     | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 2/24/03   | RTL     |
| 560 A               | RE-BARREL          | 2/24/03   | RTL     |
| B                   | DRILL AND TAP      | 2-24-03   | TRW     |
| 575                 | ASSEMBLE           | 2/24-03   | RTL     |
| 600                 | PROOF              | 2-24-03   | TRW     |
| 605                 | CHECK HEADSPACE    | 2-24-03   | RTL     |
| 610                 | DIS-ASSEMBLE GUN   | 2-24-03   | RTL     |
| 612                 | MAGNAFLUX          |           |         |
| 615                 | ROLLMARK CALIBER   | 2-24-03   | RTL     |
| 618                 | ROTO-BLAST         | 2-26-03   | TA      |
| 620                 | APPLY COATINGS     | 3-3       | TA      |
| 625 A               | FINAL ASSEMBLY     | 3-7-03    | RTL     |
| B                   | TRIGGER PULL TEST  |           |         |
| C                   | SAFETY "ON" FORCE  |           |         |
| D                   | SAFETY "OFF" FORCE |           |         |
| E                   | FIRING PIN INDENT  |           |         |
| 640                 | TARGET             | 3-7-03    | TRW     |
| 655                 | FINAL INSPECT      | 3-12-03   | RTL     |
| 660                 | PACK               | 3-12-03   | TA      |
|                     |                    | SHIP DATE |         |
| QAR INSPECTION DATE |                    |           |         |

**Remington®**

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

**DUPONT**

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

**MODEL 700™ H24**

**SERIAL NO.**  
C6225431

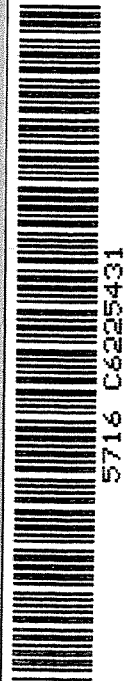
**ORDER NO.**  
5716

Ø1

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

**UPC**

0 47700 25716 7



| MOD. _____ |        | GA.<br>CAL. _____               | GUN<br># <u>6625431</u> |
|------------|--------|---------------------------------|-------------------------|
| #<br>TEST  | DATE   | MALFUNCTION/DEFECT              | ASSEM.<br>#             |
|            | 1st    | doesn't extract<br>empty casing | RW                      |
|            | 2nd    | New Extractor                   |                         |
|            | 5/1/89 | 5/1 OK<br>short                 |                         |
|            | 3rd    |                                 |                         |
|            |        | hole in stock                   |                         |
|            | 4th    | 6/19/89 done                    |                         |
|            |        | FUNCTION                        | RD 6654 Rev 1           |

| TEST INIT. ACTION TO CORRECT |          | ASSEM.<br># |
|------------------------------|----------|-------------|
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225431

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 4        | 4 89    | RW   |
| 600          | Proof                                                          | 4        | 4 89    | RW   |
| 607          | Check Headspace                                                | 4        | 4 89    | RW   |
| 610          | Dis-assemble Gun                                               | 4        | 4 89    | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 4-6      | 89      | KCR  |
|              | Magnaflux Bolt                                                 | 4-7      | 89      | KCR  |
| 615          | Rollmark Caliber                                               | 4-7      | 89      | G.S. |
| 617          | Drill and Tap Sight Holes                                      | 4 7      | 89      | FB   |
| 618          | Polish Barrel                                                  | 4 7      | 89      | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 4-14-89 | TSA  |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 4/24/89 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 4/24/89 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 4/24/89 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 4/24/89 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 4/26/89 | G.S. |

| op. #        | BARBER M24 0060661<br>OP. NAME                              | READINGS |      |      |      |      | DATE       | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|------------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 4/26/89    | gy   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 4/26/89    | gy   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 4/26/89    | 2.8. |
|              | I) Firing Pin Indent                                        | .020     | .020 | .020 |      |      | 4/26/89    | gy   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 4/28/89    | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 16 May 89  | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 4/28/89    | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 4/28/89    | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 4/28/89    | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 4/28/89    | WB   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 4/28/89    | WB   |
| 640          | Gallery Target & Test                                       | 56 R     | 97 L |      |      |      | 5/1/89     | A    |
|              | A) Time                                                     |          |      |      |      |      | 5/1/89     | A    |
|              | B) Malfunctions                                             |          |      |      |      |      | 5/1/89     | A    |
|              | C) Pierced Primers                                          |          |      |      |      |      | 5/1/89     | A    |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 5/1/89     | A    |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5/1/89     | A    |
| 655          | Final Inspection                                            |          |      |      |      |      |            |      |
|              | A) Headspace                                                |          |      |      |      |      | 16 May 89  | JS   |
|              | B) Trigger Pull                                             | 2.10     | 2.22 | 2.29 | 2.30 | 2.21 | 16 May 89  | JS   |
|              | C) Function                                                 |          |      |      |      |      | 16 May 89  | JS   |
| 660          | Pack                                                        |          |      |      |      |      | 26 June 89 | JS   |

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

SERIAL NO. C6225431  
DATE 25 April 89  
TESTER DS

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.45             | 2.50                     | 2.75                           | 2.10  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.45             | 2.34                     | 2.63                           | 2.22  |                                                                        |
| PULL #3 | 2.37             | 2.24                     | 2.67                           | 2.29  |                                                                        |
| PULL #4 | 2.44             | 2.37                     | 2.66                           | 2.30  |                                                                        |
| PULL #5 | 2.61             | 2.26                     | 2.74                           | 2.21  |                                                                        |
| TOTAL   | 12.32            | 11.71                    | 13.45                          | 11.12 |                                                                        |
| AVG.    | 2.464            | 2.342                    | 2.69                           | 2.224 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.36             | 3.42                     |  |          |
| PULL #2 | 3.41             | 3.21                     |  |          |
| PULL #3 | 3.38             | 3.06                     |  |          |
| PULL #4 | 3.43             | 3.07                     |  |          |
| PULL #5 | 3.42             | 3.17                     |  |          |
| TOTAL   | 17.00            | 15.93                    |  |          |
| AVG.    | 3.40             | 3.186                    |  |          |

|         | 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 | 4.26             | 4.32                     |                                | 4.34                                 |
| PULL #2 | 4.18             | 4.52                     |                                | 3.92                                 |
| PULL #3 | 4.22             | 4.23                     |                                | 3.90                                 |
| PULL #4 | 4.26             | 4.32                     |                                | 4.25                                 |
| PULL #5 | 4.17             | 4.33                     |                                | 4.64                                 |
| TOTAL   | 21.19            | 21.72                    |                                | 21.05                                |
| AVG.    | 4.238            | 4.344                    |                                | 4.21                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225431  
1 May 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .952548 |
| 1 TO | 2 | 1.07677 |
| 1 TO | 3 | 1.02034 |
| 1 TO | 4 | .649287 |
| 1 TO | 5 | .410104 |

+  $\frac{1}{5} \frac{4}{2^3}$  <----FOR

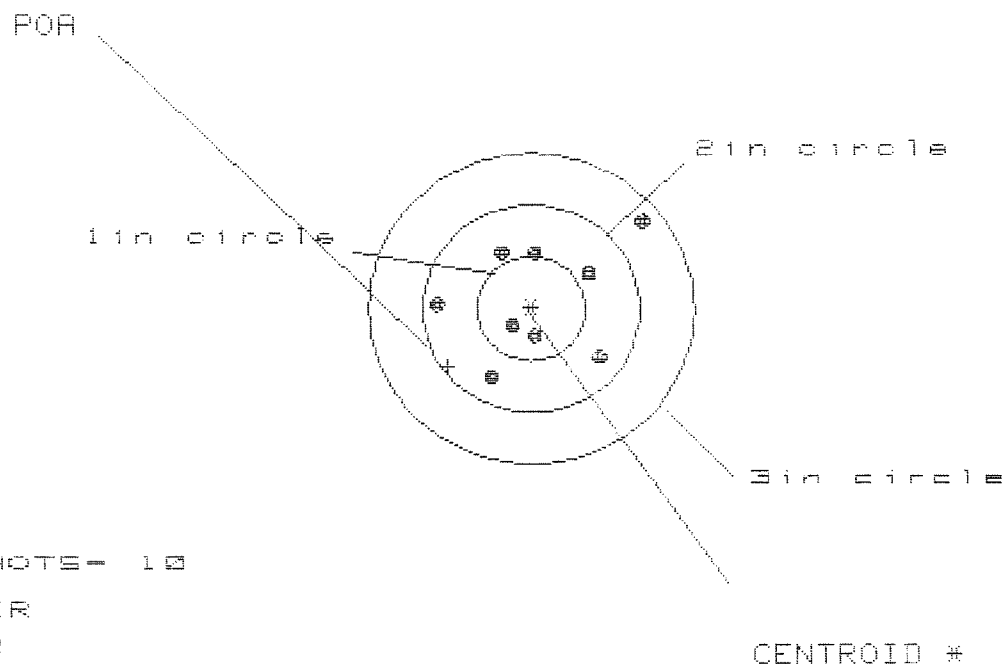
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .7806  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.058  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .782752  
THE AMR FOR THIS RIFLE IS: .6416

1 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08225431

## CENTERFIRE PATTERNS

# 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.892

VS= 1.540

GS= 2.091

| PATTERN #                     | 1     | 2     | 3     |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.007 | .746  | .649  |
| MINIMUM X                     | -.885 | -.773 | -.392 |
| MAXIMUM Y                     | .857  | .603  | .618  |
| MINIMUM Y                     | -.683 | -.588 | -.573 |
| CENTROID X                    | .772  | .660  | .757  |
| CENTROID Y                    | .558  | .463  | .448  |
| POA TO CENTROID in.           | .953  | .806  | .800  |
| MIN RADIUS                    | .267  | .120  | .189  |
| MEAN RADIUS                   | .683  | .584  | .559  |
| MAX RADIUS                    | 1.322 | .818  | .729  |
| HORIZONTAL SPREAD             | 1.892 | 1.519 | 1.041 |
| VERTICAL SPREAD               | 1.540 | 1.191 | 1.191 |
| EXTREME SPREAD                | 2.091 | 1.584 | 1.409 |
| NUMBER IN ONE INCH CIRCLE =   | 2     |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 9     |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10    |       |       |

1 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225431

## CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS = 10

# IN CIR

1 in = 5

2 in = 9

3 in = 10

HS = 1.985

VS = 1.203

GS = 1.985

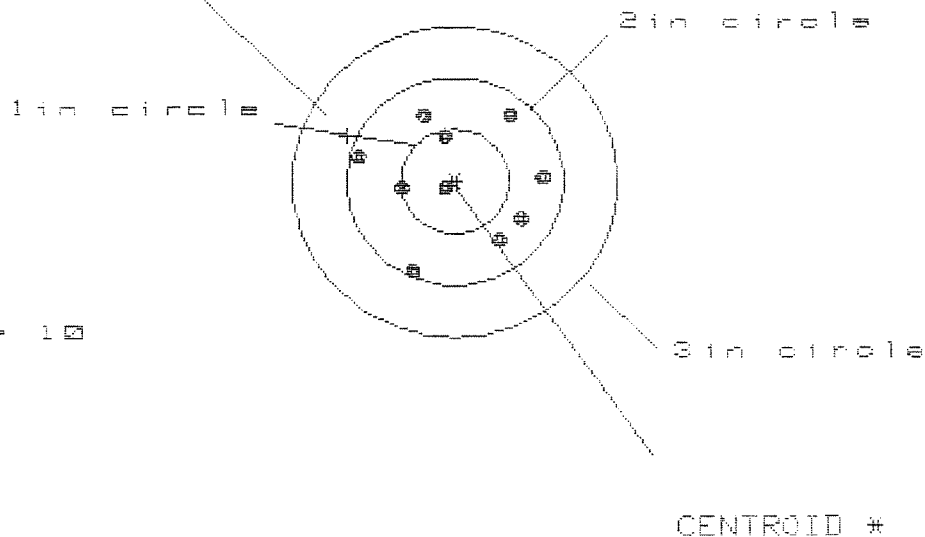
| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .849   | .723  | .423  |
| MINIMUM X                   | : | -1.136 | -.473 | -.333 |
| MAXIMUM Y                   | : | .595   | .593  | .595  |
| MINIMUM Y                   | : | -.608  | -.610 | -.618 |
| CENTROID X                  | : | .682   | .808  | .718  |
| CENTROID Y                  | : | -.515  | -.513 | -.505 |
| POA TO CENTROID in.         | : | .855   | .958  | .876  |
| MIN RADIUS                  | : | .220   | .150  | .202  |
| MEAN RADIUS                 | : | .574   | .488  | .463  |
| MAX RADIUS                  | : | 1.136  | .745  | .697  |
| HORIZONTAL SPREAD           | : | 1.985  | 1.196 | .806  |
| VERTICAL SPREAD             | : | 1.203  | 1.203 | 1.203 |
| EXTREME SPREAD              | : | 1.985  | 1.300 | 1.207 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 5     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

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## CENTERFIRE PATTERNS # 3

POA



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 10

3in = 10

HS= 1.674

VS= 1.507

GS= 1.738

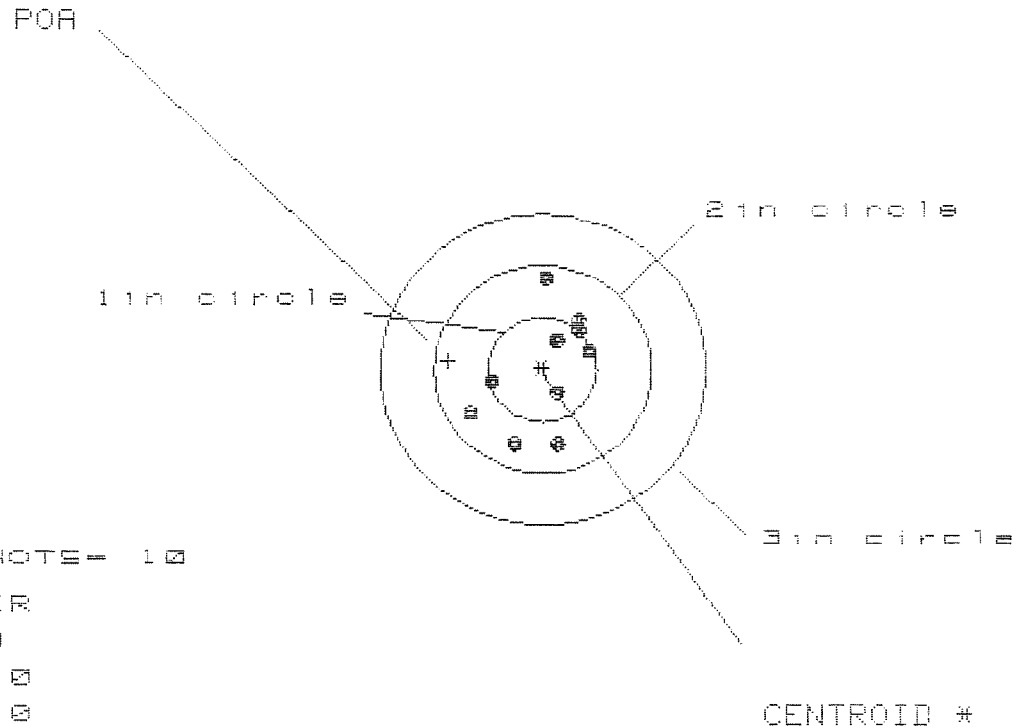
CENTROID #

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .809  | .767  | .653  |
| MINIMUM X                   | : | -.865 | -.907 | -.661 |
| MAXIMUM Y                   | : | .645  | .549  | .571  |
| MINIMUM Y                   | : | -.862 | -.706 | -.684 |
| CENTROID X                  | : | .989  | 1.031 | 1.145 |
| CENTROID Y                  | : | -.439 | -.343 | -.365 |
| POA TO CENTROID in.         | : | 1.082 | 1.087 | 1.202 |
| MIN RADIUS                  | : | .121  | .203  | .292  |
| MEAN RADIUS                 | : | .661  | .626  | .592  |
| MAX RADIUS                  | : | .942  | .924  | .723  |
| HORIZONTAL SPREAD           | : | 1.674 | 1.674 | 1.314 |
| VERTICAL SPREAD             | : | 1.507 | 1.255 | 1.255 |
| EXTREME SPREAD              | : | 1.738 | 1.691 | 1.406 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 10    |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 10

3 in = 10

HS = 1.144

VS = 1.603

GS = 1.611

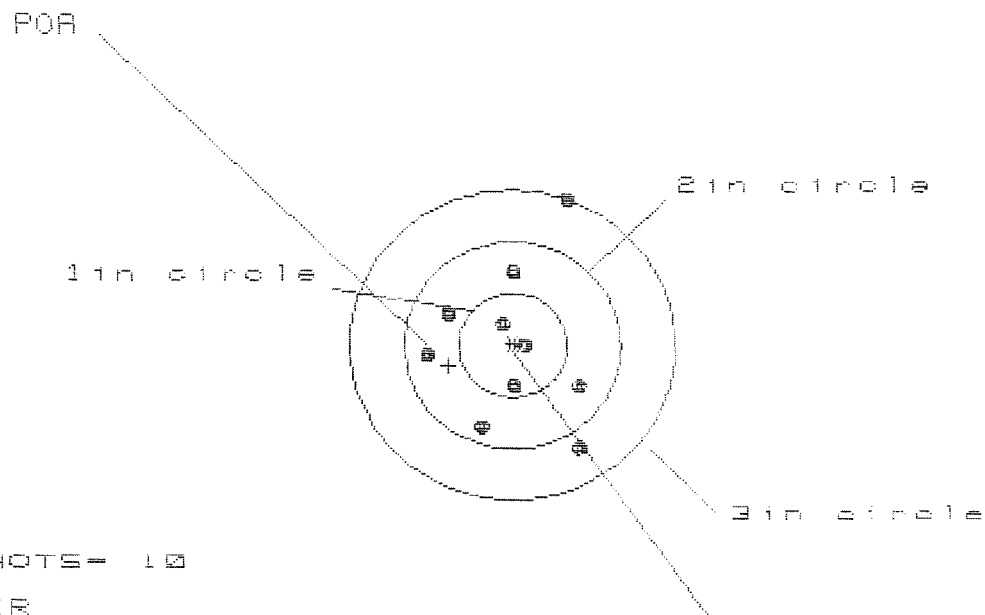
| PATTERN #                   | : | 4     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .454  | .453  | .367  |
| MINIMUM X                   | : | -.690 | -.691 | -.581 |
| MAXIMUM Y                   | : | .838  | .544  | .498  |
| MINIMUM Y                   | : | -.765 | -.672 | -.718 |
| CENTROID X                  | : | .869  | .870  | .956  |
| CENTROID Y                  | : | -.084 | -.177 | -.131 |
| POR TO CENTROID in.         | : | .873  | .888  | .965  |
| MIN RADIUS                  | : | .226  | .153  | .150  |
| MEAN RADIUS                 | : | .583  | .552  | .508  |
| MAX RADIUS                  | : | .838  | .782  | .748  |
| HORIZONTAL SPREAD           | : | 1.144 | 1.144 | .948  |
| VERTICAL SPREAD             | : | 1.603 | 1.216 | 1.216 |
| EXTREME SPREAD              | : | 1.611 | 1.358 | 1.292 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 10    |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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## CENTERFIRE PATTERNS

# 5



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.452

VS = 2.335

GS = 2.336

CENTROID #

| PATTERN #                     | 5     |
|-------------------------------|-------|
| SHOTS (BEST OF)               | 10    |
| MAXIMUM X                     | .628  |
| MINIMUM X                     | -.824 |
| MAXIMUM Y                     | 1.389 |
| MINIMUM Y                     | -.946 |
| CENTROID X                    | .591  |
| CENTROID Y                    | .190  |
| POA TO CENTROID in.           | .621  |
| MIN RADIUS                    | .070  |
| MEAN RADIUS                   | .707  |
| MAX RADIUS                    | 1.474 |
| HORIZONTAL SPREAD             | 1.452 |
| VERTICAL SPREAD               | 2.335 |
| EXTREME SPREAD                | 2.336 |
| NUMBER IN ONE INCH CIRCLE =   | 3     |
| NUMBER IN TWO INCH CIRCLE =   | 8     |
| NUMBER IN THREE INCH CIRCLE = | 10    |