

C6225324

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington®**



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

**MODEL 700™ M24**

MADE IN ELIZON, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marks Registered Marque Deposited.

**20**

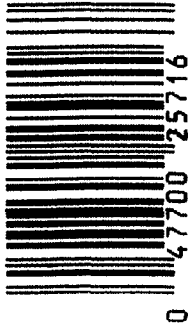
**SERIAL NO.**

**C6225324**

**ORDER NO.**

**5716**

**UPC**



5716 C6225324

## Repair Inquiry

Repair Number: RE00112703

Serial: C6225324 Model: M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair:

Status:

Closed: 5/23/2006 11:36:55 AM

## Address Information

Customer:

Received From:

Return To:

Received From:

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: A COMPANY 2ND BATTALION

A COMPANY 2ND BATTALION

Address 2: 7TH SPECIAL FORCES GROUP

7TH SPECIAL FORCES GROUP

PO Box:

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

EFL

## Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

## Contact Information

Phone: NA

Fax:

Email:

Comments:

## Received Condition

Fair

Condition Notes:

GSR Notes:

## Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

Repair Search

Refresh

Close

naglel

5/23/2006

11:24 PM

CAPS

ALUM

INS

SCRL

start

3 Micros...

2 Micros...

3 Intern...

Part Search...

Arms Servi...

1:24 PM

Serial Number:

C6225324

Model: M24 SWS



RE00112703

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 4-28-06

TESTER R.P.

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.47                | 2.50                        |                                   | 2.51  |          |
| PULL #2 | 2.40                | 2.47                        |                                   | 2.45  |          |
| PULL #3 | 2.45                | 2.40                        |                                   | 2.40  |          |
| PULL #4 | 2.41                | 2.51                        |                                   | 2.53  |          |
| PULL #5 | 2.50                | 2.41                        |                                   | 2.46  |          |
| TOTAL   | 12.23               | 12.29                       |                                   | 12.35 |          |
| AVERAGE | 2.44                | 2.45                        |                                   | 2.47  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.03                | 3.26                        |  |          |
| PULL #2 | 3.18                | 3.18                        |  |          |
| PULL #3 | 3.11                | 3.10                        |  |          |
| PULL #4 | 3.03                | 3.06                        |  |          |
| PULL #5 | 3.07                | 3.00                        |  |          |
| TOTAL   | 15.42               | 15.60                       |  |          |
| AVERAGE | 3.08                | 3.12                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.08                | 4.13                        |                                   | 4.05                                    |
| PULL #2 | 4.05                | 4.08                        |                                   | 4.04                                    |
| PULL #3 | 4.00                | 4.01                        |                                   | 4.10                                    |
| PULL #4 | 4.06                | 4.02                        |                                   | 4.08                                    |
| PULL #5 | 4.03                | 4.11                        |                                   | 4.04                                    |
| TOTAL   | 20.22               | 20.35                       |                                   | 20.31                                   |
| AVERAGE | 4.04                | 4.07                        |                                   | 4.06                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225324.\_\_\_0  
FILE DATE AND TIME: 06/07/2006 18:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.131 |
| The Average Y Centroid of the Five Target Set:              | -0.041 |
| The Average Point of Impact of the Five Target Set:         | 0.137  |
| The Average Mean Radius of the Five Target Set:             | 0.618  |
| The Distance from POA to Centroid Target #1:                | 0.408  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.274  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.677  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.280  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.198  |

SERIAL NUMBER: C6225324. 0

TARGET NUMBER: 1

FILE DATE: 06/07/2006

FILE TIME: 18:01

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |        |       |
|----|--------|-------|
| 1: | -0.672 | 0.537 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 2: | -0.913 | 0.506 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 3: | -0.937 | 0.255 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 4: | -0.586 | 0.164 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 5: | -0.443 | 0.084 |
|----|--------|-------|

|    |        |        |
|----|--------|--------|
| 6: | -0.180 | -0.194 |
|----|--------|--------|

|    |       |        |
|----|-------|--------|
| 7: | 0.240 | -0.178 |
|----|-------|--------|

|    |       |        |
|----|-------|--------|
| 8: | 0.796 | -0.805 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 9: | -0.476 | -0.421 |
|----|--------|--------|

|     |        |       |
|-----|--------|-------|
| 10: | -0.895 | 0.356 |
|-----|--------|-------|

X CENTROID: -0.407

Y CENTROID: 0.030

POA TO CENTROID: 0.408

HORZ SPREAD: 1.733

VERT SPREAD: 1.342

GROUP SPREAD: 2.154

MIN RADIUS: 0.065

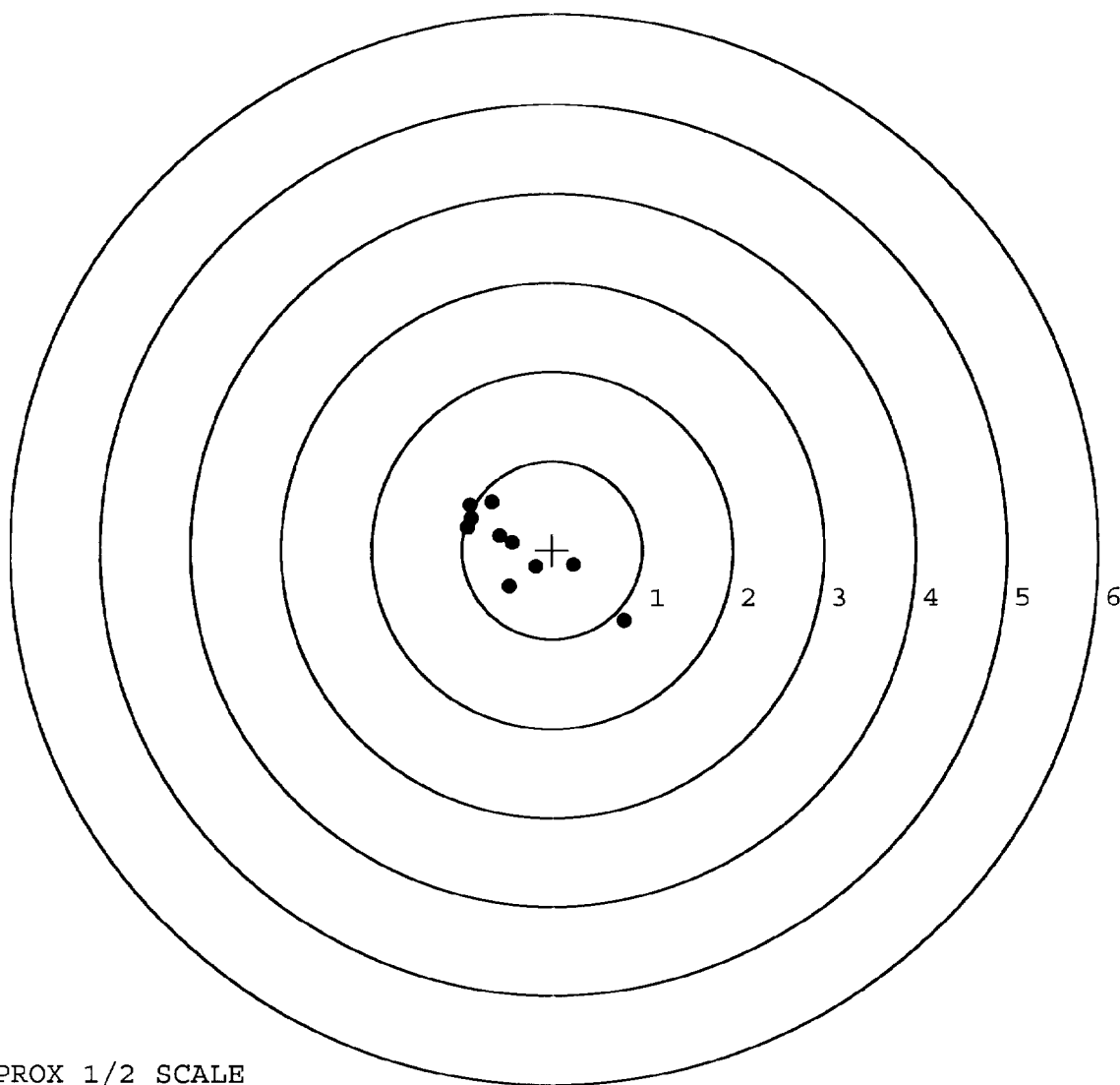
MAX RADIUS: 1.464

MEAN RADIUS: 0.564

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225324. 0

TARGET NUMBER: 2

FILE DATE: 06/07/2006

FILE TIME: 18:01

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.211 | 0.974  |
| 2:     | -0.974 | 0.307  |
| 3:     | -0.724 | 0.269  |
| 4:     | -0.724 | -0.039 |
| 5:     | -0.314 | -0.077 |
| 6:     | 0.415  | -0.227 |
| 7:     | 0.808  | -0.005 |
| 8:     | 1.045  | -0.295 |
| 9:     | -0.413 | -0.701 |
| 10:    | -0.365 | -0.726 |

X CENTROID: -0.146

Y CENTROID: -0.052

POA TO CENTROID: 0.155

HORZ SPREAD: 2.019

VERT SPREAD: 1.700

GROUP SPREAD: 2.107

MIN RADIUS: 0.170

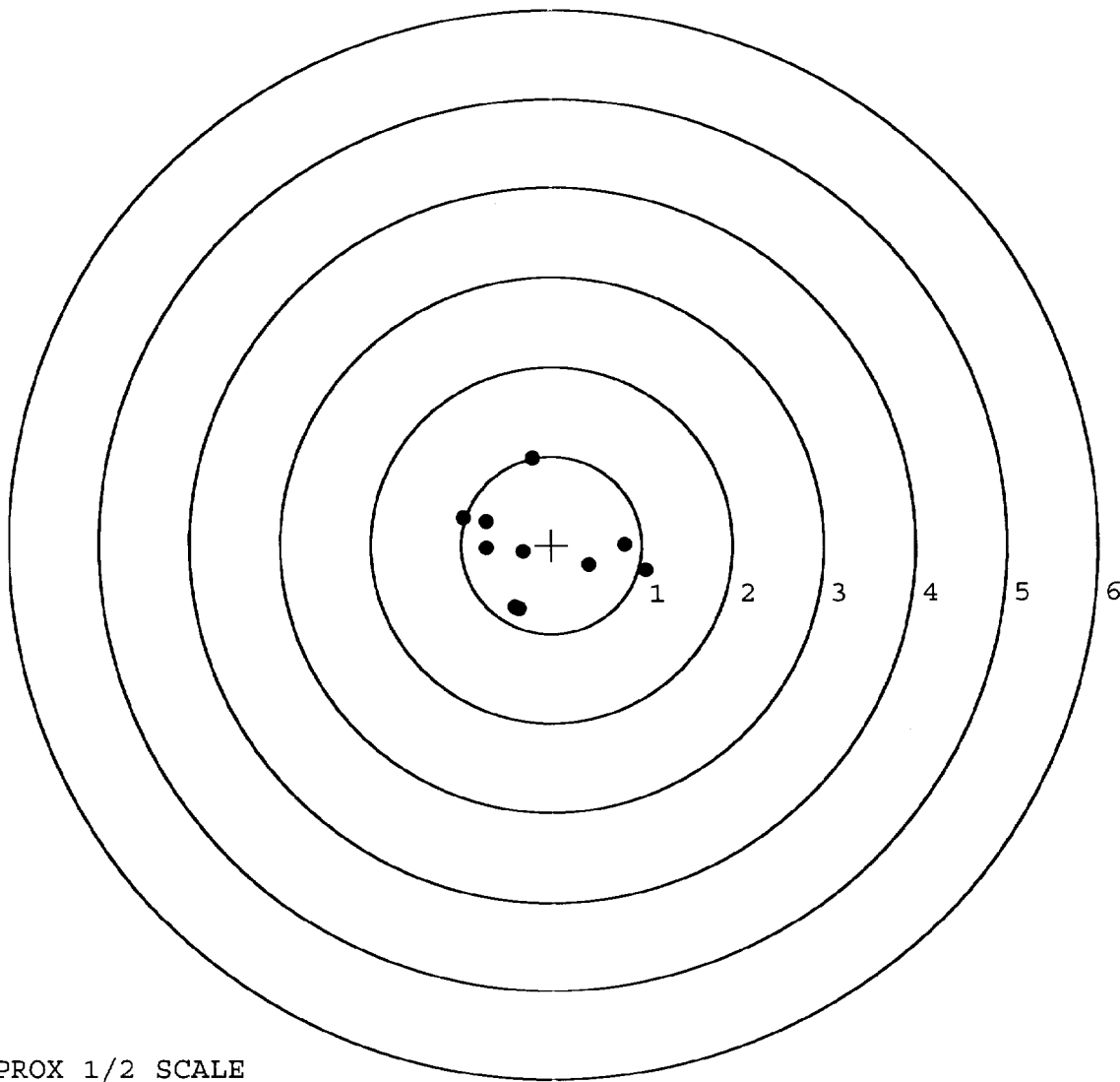
MAX RADIUS: 1.215

MEAN RADIUS: 0.751

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10

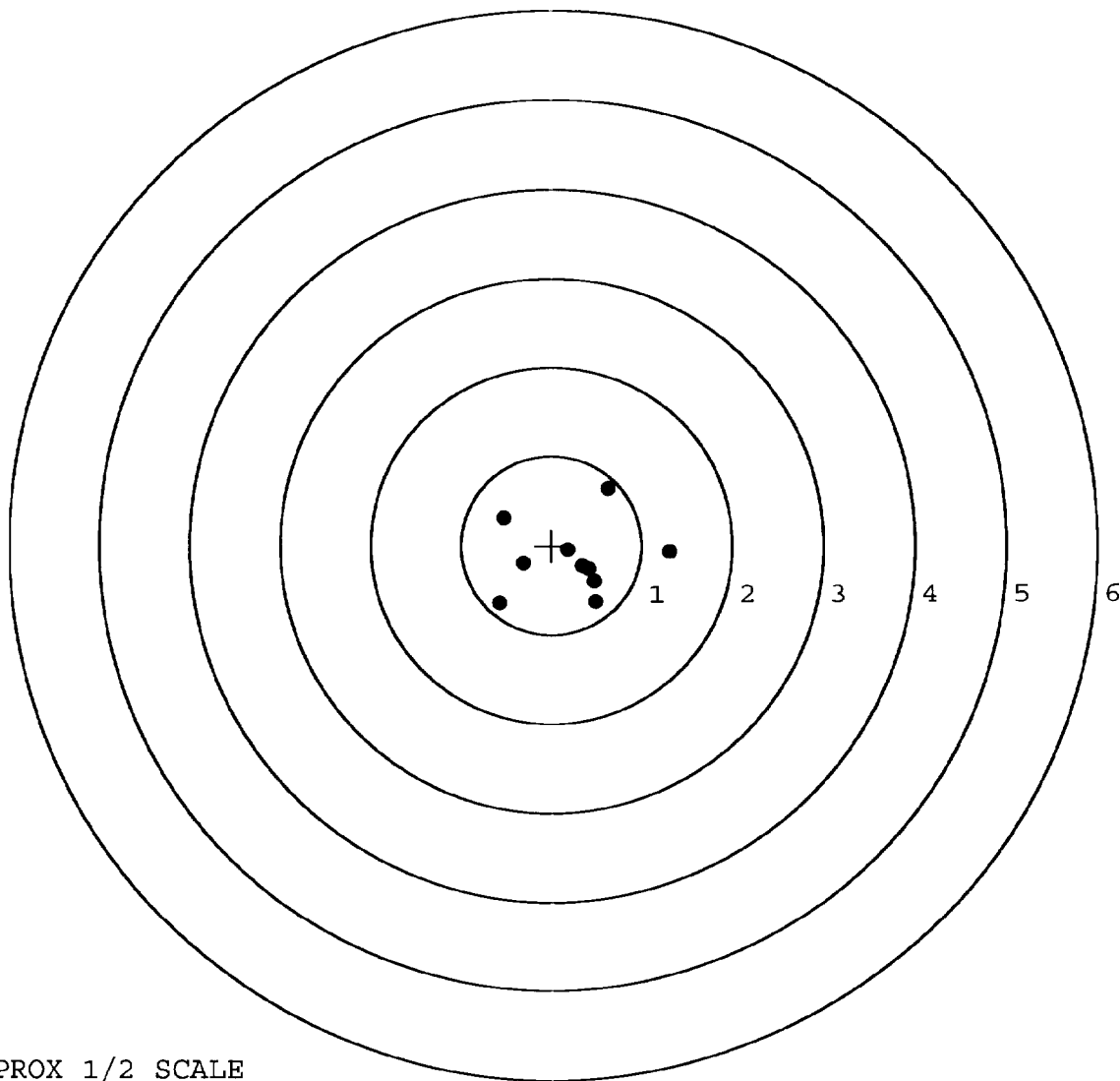


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225324. 0  
TARGET NUMBER: 3  
FILE DATE: 06/07/2006  
FILE TIME: 18:01

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.631  | 0.633  |
| 2:     | 1.310  | -0.080 |
| 3:     | 0.184  | -0.052 |
| 4:     | 0.416  | -0.267 |
| 5:     | 0.489  | -0.639 |
| 6:     | -0.578 | -0.647 |
| 7:     | -0.307 | -0.205 |
| 8:     | -0.527 | 0.309  |
| 9:     | 0.344  | -0.240 |
| 10:    | 0.474  | -0.408 |

X CENTROID: 0.244  
Y CENTROID: -0.160  
POA TO CENTROID: 0.291  
HORZ SPREAD: 1.888  
VERT SPREAD: 1.280  
GROUP SPREAD: 1.971  
MIN RADIUS: 0.123  
MAX RADIUS: 1.069  
MEAN RADIUS: 0.569  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

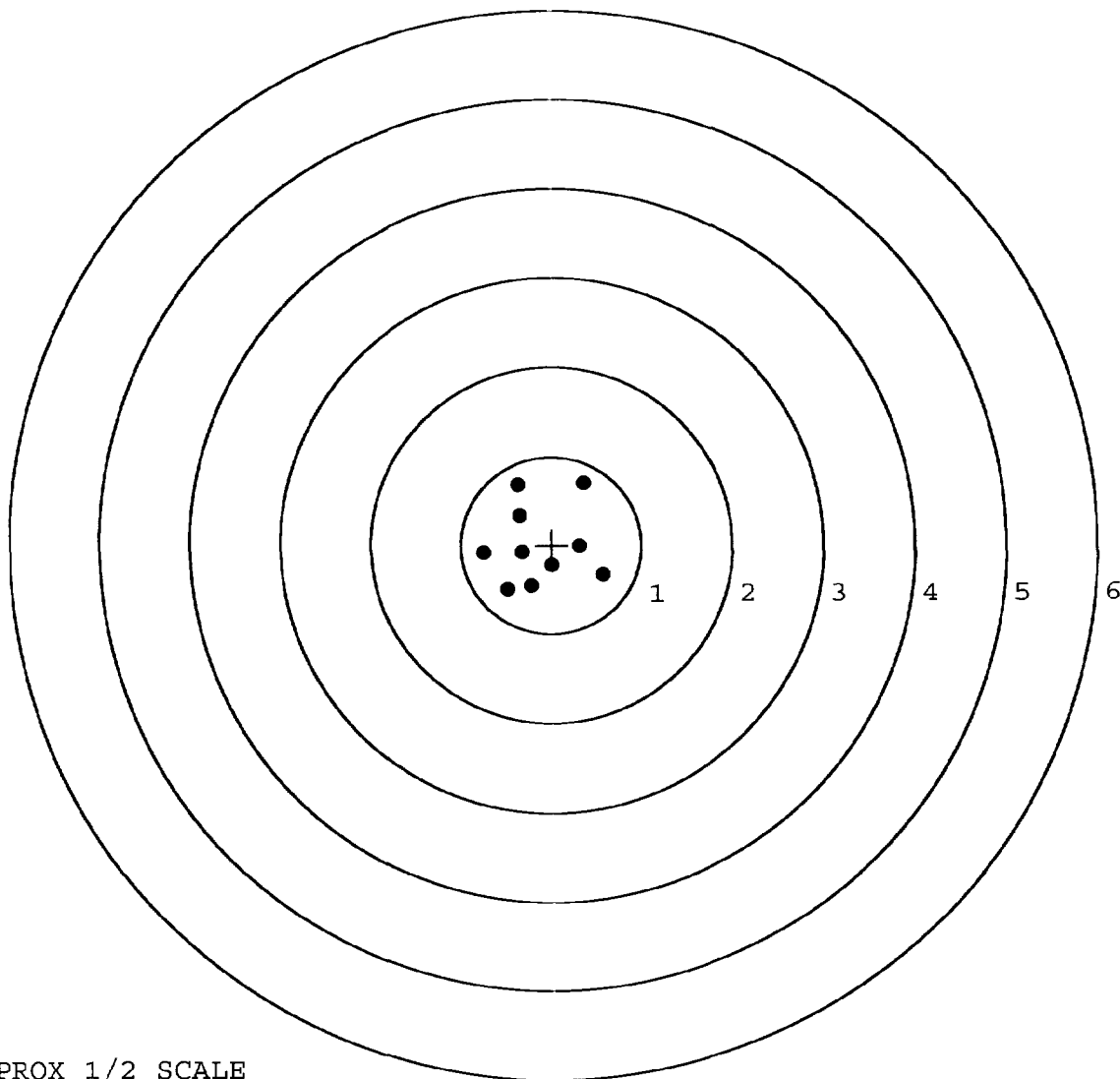


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225324.\_\_\_0  
TARGET NUMBER: 4  
FILE DATE: 06/07/2006  
FILE TIME: 18:01

X CENTROID: -0.128  
Y CENTROID: 0.000  
POA TO CENTROID: 0.128  
HORZ SPREAD: 1.332  
VERT SPREAD: 1.206  
GROUP SPREAD: 1.474  
MIN RADIUS: 0.220  
MAX RADIUS: 0.855  
MEAN RADIUS: 0.542  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.360  | 0.702  |
| 2:     | -0.371 | 0.681  |
| 3:     | -0.348 | 0.337  |
| 4:     | -0.760 | -0.091 |
| 5:     | -0.331 | -0.086 |
| 6:     | -0.488 | -0.504 |
| 7:     | -0.233 | -0.465 |
| 8:     | -0.003 | -0.228 |
| 9:     | 0.317  | -0.011 |
| 10:    | 0.572  | -0.337 |

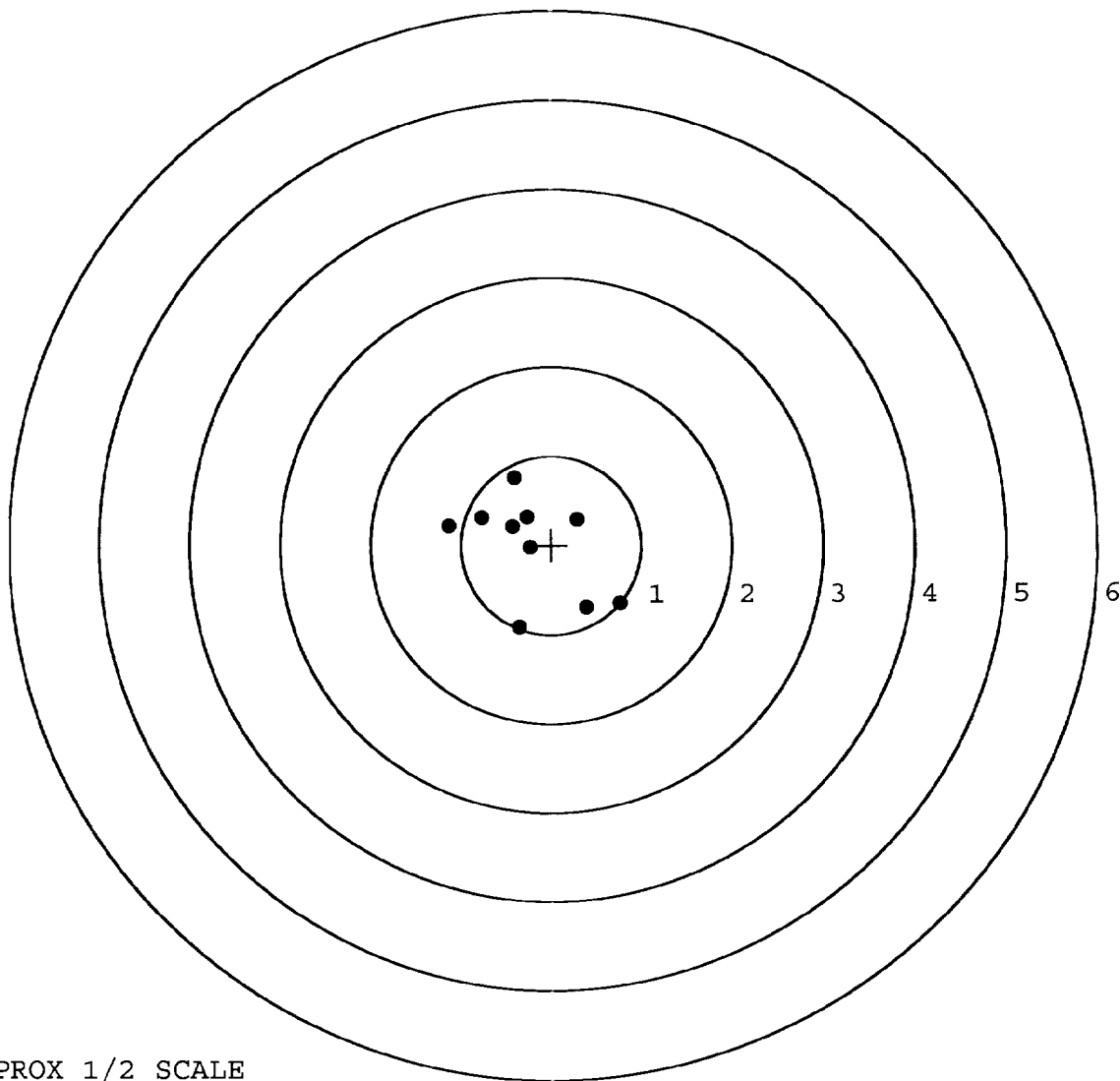


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225324.\_\_\_0  
TARGET NUMBER: 5  
FILE DATE: 06/07/2006  
FILE TIME: 18:01

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.413 | 0.755  |
| 2:     | -0.269 | 0.315  |
| 3:     | -0.235 | -0.031 |
| 4:     | -0.430 | 0.212  |
| 5:     | -0.768 | 0.307  |
| 6:     | -1.135 | 0.215  |
| 7:     | -0.355 | -0.922 |
| 8:     | 0.390  | -0.702 |
| 9:     | 0.766  | -0.655 |
| 10:    | 0.291  | 0.290  |

X CENTROID: -0.216  
Y CENTROID: -0.022  
POA TO CENTROID: 0.217  
HORZ SPREAD: 1.901  
VERT SPREAD: 1.677  
GROUP SPREAD: 2.091  
MIN RADIUS: 0.021  
MAX RADIUS: 1.168  
MEAN RADIUS: 0.666  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

|               |                      |                                                                                                                                                                        |                                    |
|---------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| R & E NUMBER  | 112703               |                                                                                                                                                                        |                                    |
| SERIAL NUMBER | 06225324             |                                                                                                                                                                        |                                    |
| LOG-IN DATE   | 5-23-06              |                                                                                                                                                                        |                                    |
| OPERATION #   | OPERATION NAME       | DATE                                                                                                                                                                   | INITIAL                            |
| 500           | DIS-ASSEMBLE GUN     | 5-25-06                                                                                                                                                                | RTZ                                |
| 505           | RE-BARREL            | 5-26-06                                                                                                                                                                | FTZ                                |
| 560           | ASSEMBLE             | 5-30-06                                                                                                                                                                | FTZ                                |
| 600           | PROOF                | MAGNA-FLUX<br>INSPECTED                                                                                                                                                | 5-30-06 TRW                        |
| 605           | CHECK HEADSPACE      | 5-30-06                                                                                                                                                                | TRW                                |
| 610           | DIS-ASSEMBLE GUN     | JUN 1 2006                                                                                                                                                             | 6-1-06 RTZ                         |
| 612           | MAGNAFLUX            | OPERATOR <u>APD</u>                                                                                                                                                    | 6-2-06 APD                         |
| 510           | DRILL AND TAP        | 6-1-06                                                                                                                                                                 | TRW                                |
| 615           | ROLLMARK CALIBER     | 6-2-06                                                                                                                                                                 | CW                                 |
| 618           | ROTO-BLAST           | 6-2-06                                                                                                                                                                 | LB                                 |
| 620           | APPLY COATINGS       | 6-5-06                                                                                                                                                                 | FB                                 |
| 625           | FINAL ASSEMBLY       | 6-7-06                                                                                                                                                                 | RTZ                                |
| 640           | FUNCTION TEST AND    | PASS FAIL                                                                                                                                                              | 6-7-06 L.P.H.                      |
| 650           | TARGET               | PASS FAIL                                                                                                                                                              | 6-7-06 L.P.H.                      |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                    |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                    |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                    |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                             |                                    |
| 670           | FINAL INSPECTION     |                                                                                                                                                                        | 6-8-06 K                           |
|               | A) HEADSPACE         | PASS FAIL                                                                                                                                                              | 6-8-06 K                           |
|               | B) TRIGGER PULL      | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           +/- .5 LBS<br/>           MIN 2.50 LBS<br/>           MAX 4.0 LBS         </div> | 2.77 2.72 2.78 2.58 2.81 6-8-06 DA |
| 680           | F) SAFETY ON FORCE   | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS MIN<br/>           10 LBS MAX         </div>                               | 6.5 5.5 5.5 6-8-06 DA              |
|               | G) SAFETY OFF FORCE  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS<br/>           MIN         </div>                                          | 3.0 3.0 3.0 6-8-06 DA              |
|               | I) FIRING PIN INDENT | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           .020         </div>                                                              | .0023 .0023 .0023 6-8-06 DA        |
| 690           | PACK                 |                                                                                                                                                                        | 6-9-06 DA                          |

SCOD 0486

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225324

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INITIAL |
|--------------|----------------------------------------------------------------|----------|----------|---------|
| 575 &<br>580 | Assemble Action<br>and stock                                   | 8        | 9/88     | FB      |
| 600          | Proof                                                          | 9        | 7/88     | RW      |
| 607          | Check Headspace                                                | 9        | 7/88     | RW      |
| 610          | Dis-assemble gun                                               | 9        | 7/88     | RW      |
| 612          | Magnaflux Barrel<br>Action                                     |          | 9-14-88  | pfe.    |
|              | Magnaflux Bolt                                                 |          | 9.14.88  | pfe.    |
| 615          | Rollmark Caliber                                               |          | 10-22    | G.S.    |
| 617          | Drill & Tap Sight Holes                                        |          | 10-23    | FB      |
| 618          | Polish Barrel                                                  |          | 10-24    | WST     |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-31-88 | TJA     |
|              | Apply Coatings (Bolt)                                          |          | 10-31-88 | TJA     |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 1/12/89  | RW      |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 1/10/89  | RW      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 1/10/89  | RW      |

OVER

| OP.#         |                                                             | READINGS            | DATE      | INITIALS |
|--------------|-------------------------------------------------------------|---------------------|-----------|----------|
| 625<br>cont. | D) Oil Firing Pin Ass'y                                     |                     | 1/12/89   | RW       |
|              | E) Adjust Trigger Pull to Min. Setting and Stake            |                     | 10 Jan 89 | JSB      |
|              | F) Safety on Force                                          | 5   5   5           | 11 Jan 89 | JSB      |
|              | G) Safety off Force                                         | 3   3   3           | 11 Jan 89 | JSB      |
|              | H) Trigger Pull Test & Retainability                        |                     | 10 Jan 89 | JSB      |
|              | I) Firing Pin Indent                                        | .023   .023   .0225 | 11 Jan 89 | JSB      |
|              | J) Assemble Stock                                           |                     | 1/12/89   | RW       |
|              | K) Assemble Swivel Studs                                    |                     |           |          |
|              | L) Attach Front & Rear Sight Assemblies                     |                     | 1/12/89   | RW       |
|              | M) Iron Sight Alignment                                     |                     | 1/12/89   | RW       |
|              | N) Detach Front & Rear Sights & place in numbered container |                     | 1/12/89   | RW       |
|              | O) Attach Scope to Rifle                                    |                     | 16 Jan 89 | JSB      |
|              | P) Detach & Attach Scope 20 times                           |                     | 16 Jan 89 | JSB      |
| 640          | Gallery Target & Test                                       | 56 R 97 L           | 1-20-89   | AL       |
|              | A) Optical Clarity of Scope                                 | OK                  | 1-20-89   | AL       |
| 645          | Inspect for Live Ammo                                       | NONE                | 1-20-89   | AL       |
| 655          | Final Inspection                                            |                     |           |          |
|              | A) Headspace                                                |                     | 27 Jan 89 | JSB      |
|              | B) Trigger Pull                                             |                     | 27 Jan 89 | JSB      |
|              | C) Function                                                 |                     | 27 Jan 89 | JSB      |
| 660          | Pack                                                        |                     | 23 Mar 89 | JSB      |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

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

SERIAL NO. 5324

DATE 4/4/90

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.43             | 2.31                     | 2.53                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.40             | 2.34                     | 2.53                           |                                                                        |
| PULL #3 | 2.36             | 2.33                     | 2.52                           |                                                                        |
| PULL #4 | 2.39             | 2.23                     | 2.42                           |                                                                        |
| PULL #5 | 2.40             | 2.34                     | 2.49                           |                                                                        |
| TOTAL   | 11.98            | 11.55                    | 12.49                          |                                                                        |
| AVG.    | 2.39             | 2.31                     | 2.49                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.22             | 3.22                     |          |
| PULL #2 | 3.20             | 3.22                     |          |
| PULL #3 | 3.22             | 3.06                     |          |
| PULL #4 | 3.21             | 3.25                     |          |
| PULL #5 | 3.20             | 3.26                     |          |
| TOTAL   | 16.05            | 16.01                    |          |
| AVG.    | 3.21             | 3.21                     |          |

|         | 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 | 4.11             | 4.05                     |                                |                                      |
| PULL #2 | 4.12             | 4.05                     |                                |                                      |
| PULL #3 | 4.08             | 4.07                     |                                |                                      |
| PULL #4 | 4.11             | 4.09                     |                                |                                      |
| PULL #5 | 4.11             | 4.11                     |                                |                                      |
| TOTAL   | 20.53            | 20.37                    |                                |                                      |
| AVG.    | 4.11             | 4.07                     |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225324  
26 Jan 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .858829 |
| 1 TO | 2 | 1.07478 |
| 1 TO | 3 | .805186 |
| 1 TO | 4 | .806588 |
| 1 TO | 5 | .793917 |

1 2 <----POA

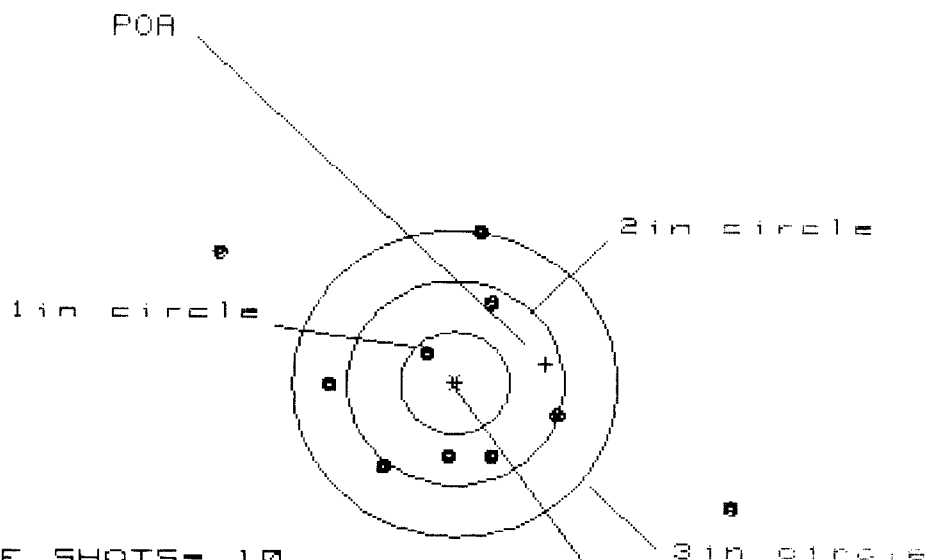
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1624  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1294  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207649

THE AMR FOR THIS RIFLE IS: 1.269

23 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225324

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS= 4.670

VS= 2.719

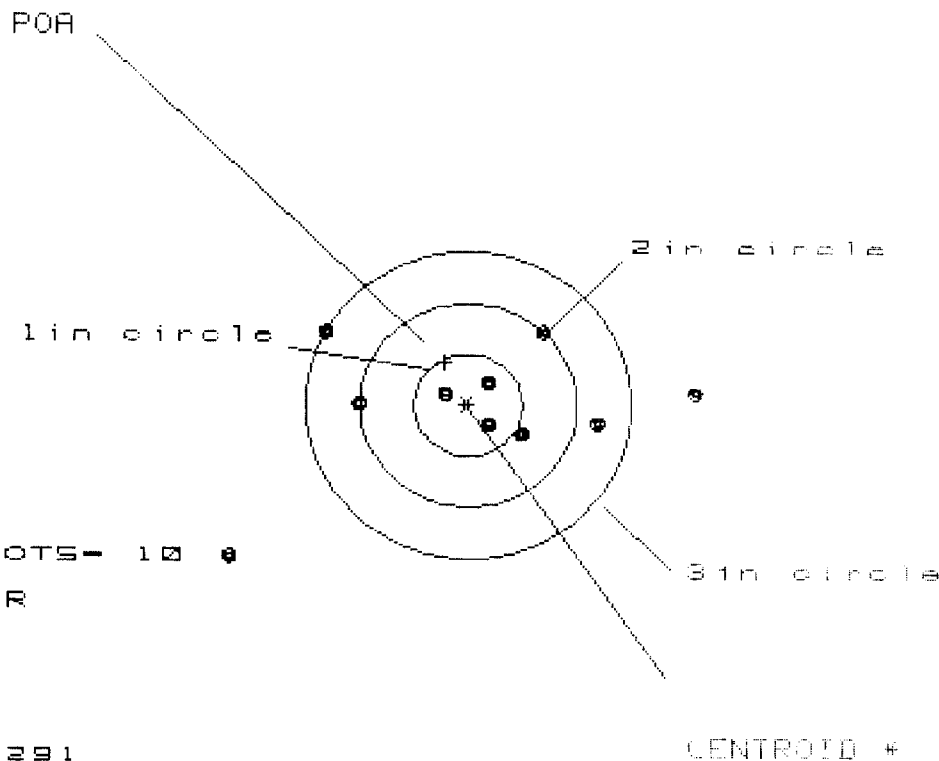
GS= 5.323

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 1      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 2.488  | 1.262  | 1.024  |
| MINIMUM X                     | : | -2.182 | -1.906 | -1.086 |
| MAXIMUM Y                     | : | 1.477  | 1.339  | 1.485  |
| MINIMUM Y                     | : | -1.242 | -.997  | -.851  |
| CENTROID X                    | : | -.838  | -1.114 | -.876  |
| CENTROID Y                    | : | -.188  | -.050  | -.196  |
| POA TO CENTROID in.           | : | .858   | 1.115  | .898   |
| MIN RADIUS                    | : | .355   | .108   | .335   |
| MEAN RADIUS                   | : | 1.278  | 1.094  | .930   |
| MAX RADIUS                    | : | 2.781  | 2.238  | 1.507  |
| HORIZONTAL SPREAD             | : | 4.670  | 3.168  | 2.110  |
| VERTICAL SPREAD               | : | 2.719  | 2.336  | 2.336  |
| EXTREME SPREAD                | : | 5.323  | 3.545  | 2.494  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 8      |        |

23 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225324

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 8

HS= 4.291

VS= 2.190

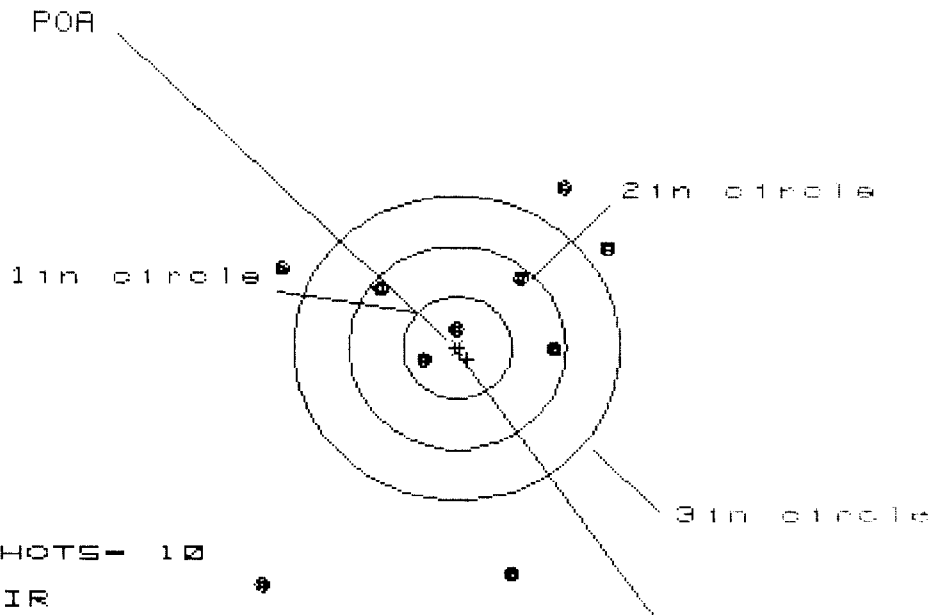
GS= 4.575

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.079  | 1.833  | 1.137  |
| MINIMUM X                   | : | -2.212 | -1.527 | -1.298 |
| MAXIMUM Y                   | : | .754   | .594   | .593   |
| MINIMUM Y                   | : | -1.436 | -.399  | -.400  |
| CENTROID X                  | : | .211   | .457   | .228   |
| CENTROID Y                  | : | -.422  | -.262  | -.261  |
| POA TO CENTROID in.         | : | .472   | .527   | .347   |
| MIN RADIUS                  | : | .206   | .087   | .218   |
| MEAN RADIUS                 | : | 1.065  | .855   | .734   |
| MAX RADIUS                  | : | 2.637  | 1.833  | 1.427  |
| HORIZONTAL SPREAD           | : | 4.291  | 3.360  | 2.435  |
| VERTICAL SPREAD             | : | 2.190  | .993   | .993   |
| EXTREME SPREAD              | : | 4.575  | 3.414  | 2.609  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

23 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225324

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 5

HS= 3.182

VS= 3.955

GS= 4.850

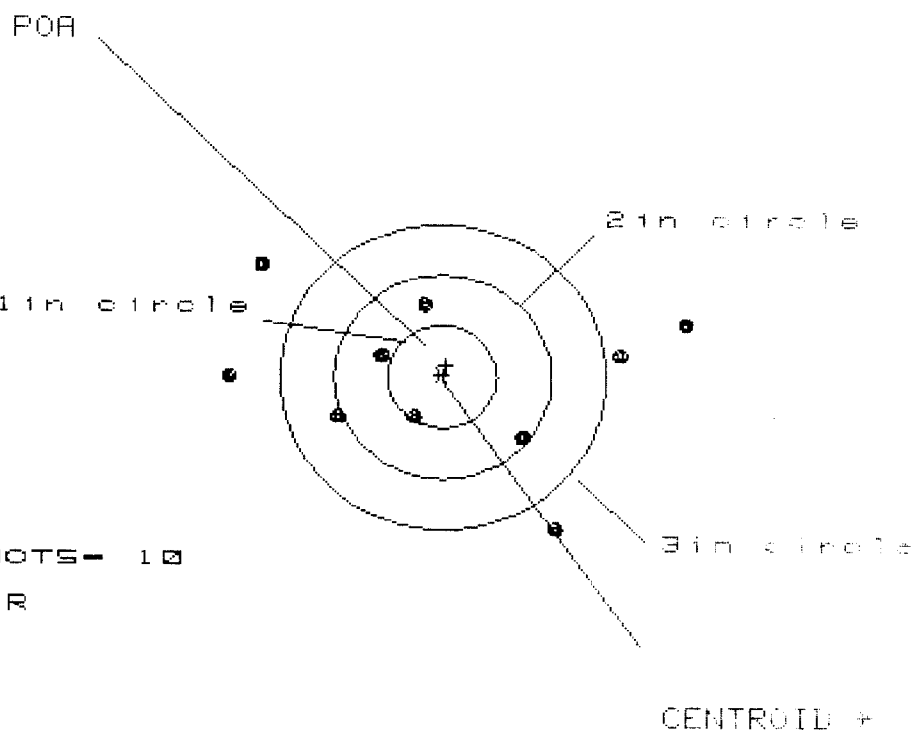
CENTROID #

| PATTERN #                   | 3      | 3      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.415  | 1.219  | 1.251  |
| MINIMUM X                   | -1.767 | -1.806 | -1.774 |
| MAXIMUM Y                   | 1.631  | 1.372  | 1.058  |
| MINIMUM Y                   | -2.325 | -2.512 | -1.681 |
| CENTROID X                  | -.092  | .104   | .072   |
| CENTROID Y                  | .115   | .373   | .687   |
| POA TO CENTROID in.         | .147   | .387   | .691   |
| MIN RADIUS                  | .152   | .240   | .459   |
| MEAN RADIUS                 | 1.389  | 1.184  | 1.014  |
| MAX RADIUS                  | 2.920  | 2.525  | 1.782  |
| HORIZONTAL SPREAD           | 3.182  | 3.025  | 3.025  |
| VERTICAL SPREAD             | 3.955  | 3.884  | 1.739  |
| EXTREME SPREAD              | 4.850  | 3.928  | 3.034  |
| NUMBER IN ONE INCH CIRCLE   | =      | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 5      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 5      |        |

23 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225324

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 5

HS= 4.229

VS= 2.580

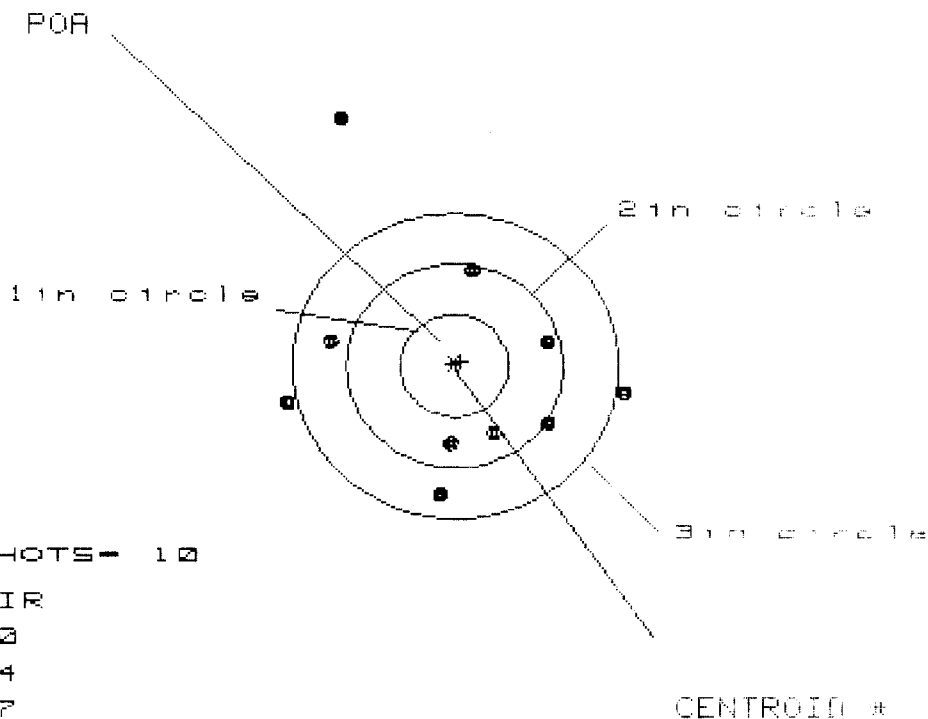
GS= 4.260

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.273  | 1.870  | 1.690  |
| MINIMUM X                   | : | -1.956 | -1.704 | -1.884 |
| MAXIMUM Y                   | : | 1.122  | 1.181  | .933   |
| MINIMUM Y                   | : | -1.458 | -1.399 | -1.251 |
| CENTROID X                  | : | -.035  | -.287  | -.107  |
| CENTROID Y                  | : | -.112  | -.171  | -.319  |
| POA TO CENTROID in.         | : | .117   | .335   | .336   |
| MIN RADIUS                  | : | .439   | .323   | .227   |
| MEAN RADIUS                 | : | 1.352  | 1.197  | 1.115  |
| MAX RADIUS                  | : | 2.335  | 1.907  | 1.898  |
| HORIZONTAL SPREAD           | : | 4.229  | 3.574  | 3.574  |
| VERTICAL SPREAD             | : | 2.580  | 2.580  | 2.184  |
| EXTREME SPREAD              | : | 4.260  | 3.762  | 3.581  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

23 Jan 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C6225324

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.154

VS= 3.662

GS= 3.772

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 5      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.589  | 1.477  | .952   |
| MINIMUM X                   | : | -1.565 | -1.677 | -1.493 |
| MAXIMUM Y                   | : | 2.411  | 1.198  | 1.199  |
| MINIMUM Y                   | : | -1.251 | -.983  | -.982  |
| CENTROID X                  | : | -.058  | .054   | -.130  |
| CENTROID Y                  | : | -.040  | -.308  | -.309  |
| POA TO CENTROID in.         | : | .070   | .312   | .336   |
| MIN RADIUS                  | : | .735   | .469   | .467   |
| MEAN RADIUS                 | : | 1.259  | 1.041  | .997   |
| MAX RADIUS                  | : | 2.613  | 1.679  | 1.495  |
| HORIZONTAL SPREAD           | : | 3.154  | 3.154  | 2.445  |
| VERTICAL SPREAD             | : | 3.662  | 2.181  | 2.181  |
| EXTREME SPREAD              | : | 3.772  | 3.155  | 2.459  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

Arms Services Repair & Estimate System

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

### Repair Inquiry

Repair Number: **RE00008597** Serial: **C6225324** Model: **700** Center Fire Caliber: **7.62 M/24** (SWS)

Repairman: Status: **Closed 4/27/00 9:17:01 AM**

#### Address Information

☐ System ☒ Received From ☐ Return To ☒ Received From  
 Name: **2/7TH SPECIAL FORCES GROUP (A)** **2/7TH SPECIAL FORCES GROUP (A)**  
 Address 1: **ATTN: S4, BLDG. E-3323** **ATTN: S4, BLDG. E-3323**  
 Address 2: **PO Box** **PO Box**  
 City: **FORT BRAGG** **FORT BRAGG**  
 State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFI: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

#### 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. & SWIVEL | 2   |
| A016 | Scope Mounts        | 2   |
| A017 | Scope Base          | 1   |
| A026 | Scope               | 1   |
| XXX  | W/ BI-POD           | 1   |

Inagle 4/27/00 12:50 PM CAPS NUM INS SCRL

Start Inb... Na... SA... Ex... ML... SA... Pa... ML... Pri... 12:50 PM

Serial Number: **C6225324** w/ Bi-pod  
Model: **700**



RE00008597

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-97-C-242**

|                            |                          |                  |                |
|----------------------------|--------------------------|------------------|----------------|
| <b>R &amp; E NUMBER</b>    |                          |                  |                |
| <b>SERIAL NUMBER</b>       | C6225324                 |                  |                |
| <b>LOG-IN DATE</b>         | 5-11-00                  |                  |                |
| <b>INSPECT AND VERIFY:</b> |                          |                  |                |
| <b>OPERATION #</b>         | <b>OPERATION NAME</b>    | <b>DATE</b>      | <b>INITIAL</b> |
| 550                        | DIS-ASSEMBLE GUN         | 5-18-00          | RW             |
| 560 A                      | RE-BARREL AT CUSTOM SHOP |                  |                |
| B                          | DRILL AND TAP            |                  |                |
| C                          | POLISH                   |                  |                |
| 575                        | ASSEMBLE                 | 5-22-00          |                |
| 600                        | PROOF                    | 5-22-00          | RW             |
| 605                        | CHECK HEADSPACE          | 5-22-00          | RW             |
| 610                        | DIS-ASSEMBLE GUN         |                  |                |
| 612                        | MAGNAFLUX                |                  |                |
| 615                        | ROLLMARK CALIBER         |                  |                |
| 618                        | ROTO-BLAST               |                  |                |
| 620                        | APPLY COATINGS           |                  |                |
| 625 A                      | FINAL ASSEMBLY           |                  |                |
| B                          | TRIGGER PULL TEST        |                  |                |
| C                          | SAFETY "ON" FORCE        |                  |                |
| D                          | SAFETY "OFF" FORCE       |                  |                |
| E                          | FIRING PIN INDENT        |                  |                |
| 640                        | TARGET                   | 7-21-00          | RW             |
| 655                        | FINAL INSPECT            | 7-25-00          | RW             |
| 660                        | PACK                     |                  |                |
|                            |                          | <b>SHIP DATE</b> |                |
| <b>QAR INSPECTION DATE</b> |                          |                  |                |

# Final Inspection

So: DATE REC'D: DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

— BARREL

— RECEIVER

— FRONT SIGHT BLOCK

— REAR SIGHT BLOCK

— SCREWS

— FINISH

SCOPE ASSY.

— SCOPE

— SCOPE RINGS

— MOUNTING SCREWS

— MOUNTING BASE

— SCREWS

— FINISH

— LOOSENESS

— CLARITY

MISC.

— DD-250

— BAR CODE

— PACKAGING

Item:

STOCK ASSY.

— STOCK

— SLING SWIVEL STUDS

— ADJUSTABLE BUTT PLATE

— LOCK NUTS

— BARREL CLEARANCE

— COLOR/FINISH

SYSTEMS CASE

— SCOPE CASE

— INON SIGHTS

— DEPLOYMENT KIT

TRIGGER

— SAFETY OPERATION

— SET

Comments:

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225324  
24 Jul 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1812  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1698  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .248325

THE AMR FOR THIS RIFLE IS: 1.212

# CENTROIDAL DISTANCES

|   |    |   |         |
|---|----|---|---------|
| 0 | TO | 1 | .172192 |
| 1 | TO | 2 | .261015 |
| 1 | TO | 3 | .441236 |
| 1 | TO | 4 | .445576 |
| 1 | TO | 5 | .287021 |

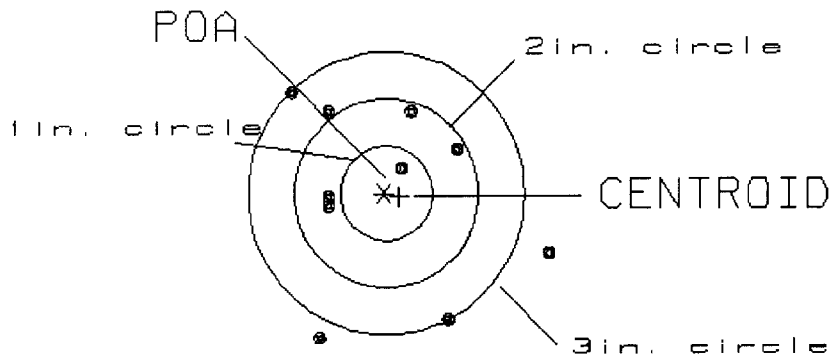
2  
1 + <----POA  
5  
31

PATTERN #: 1  
 POA TO CENTROID: .172  
 MIN RADIUS : .327  
 MEAN RADIUS : 1.100  
 MAX RADIUS : 1.833  
 CENTROID X : -.169  
 CENTROID Y : .033

24 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6225324

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 2.78  
 VS= 2.56  
 GS= 3.23

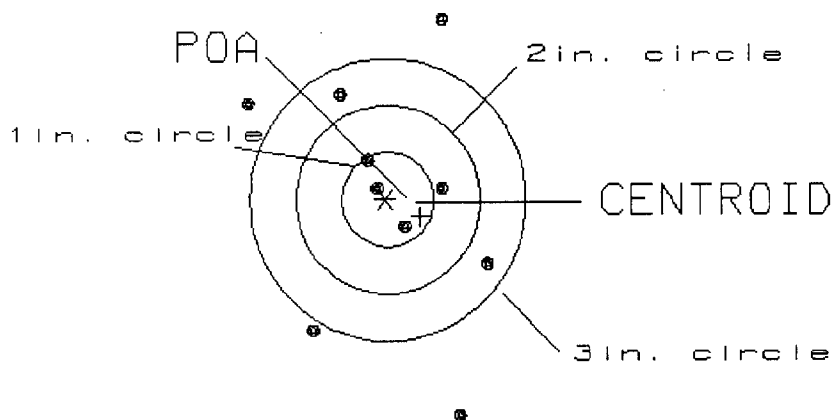
1  
 5  
 4

PATTERN #: 2  
 POA TO CENTROID: .425  
 MIN RADIUS : .112  
 MEAN RADIUS : 1.178  
 MAX RADIUS : 2.421  
 CENTROID X : -.384  
 CENTROID Y : .181

24 Jul 2000

FILE://Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6225324

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.65  
 VS= 4.19  
 GS= 4.19

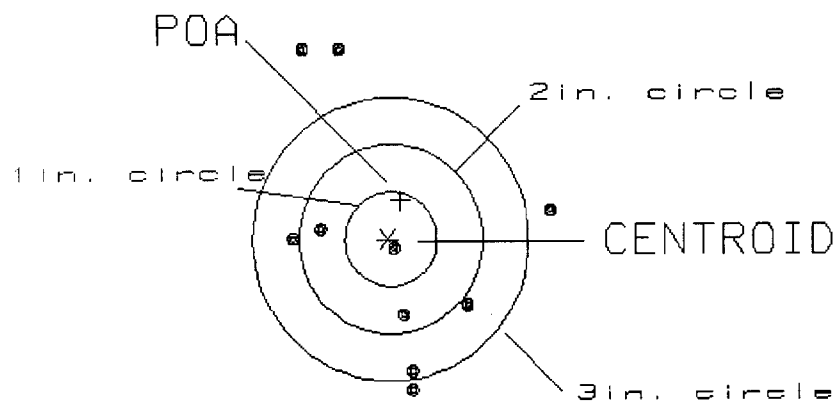
3  
 4  
 6

PATTERN #: 3  
 POA TO CENTROID: .429  
 MIN RADIUS : .075  
 MEAN RADIUS : 1.289  
 MAX RADIUS : 2.276  
 CENTROID X : -.136  
 CENTROID Y : -.407

24 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6225324

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.77  
 VS= 3.65  
 GS= 3.86

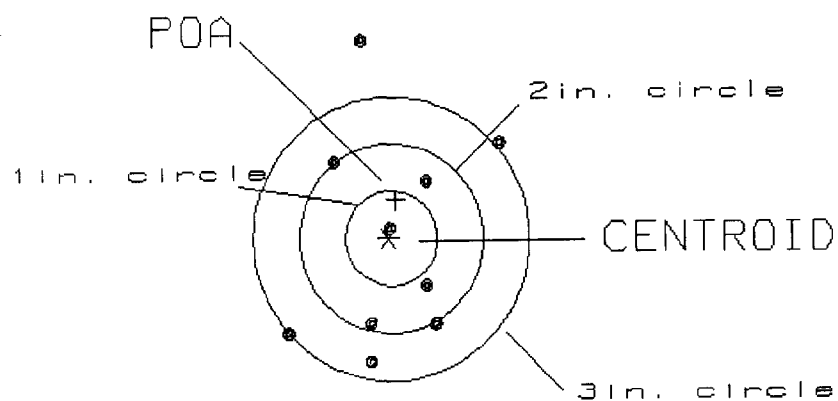
1  
 3  
 6

PATTERN #: 4  
 POA TO CENTROID: .412  
 MIN RADIUS : .059  
 MEAN RADIUS : 1.085  
 MAX RADIUS : 2.151  
 CENTROID X : -.082  
 CENTROID Y : -.404

24 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6225324

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.27  
 VS= 3.43  
 GS= 3.43

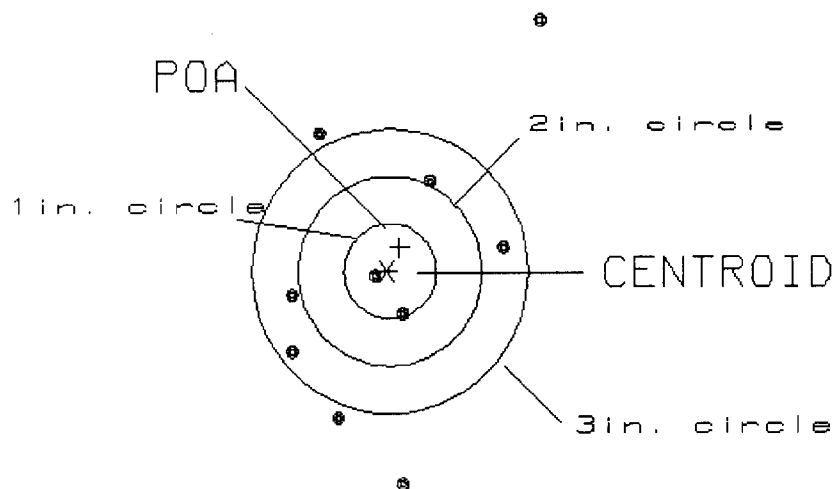
1  
 4  
 5

PATTERN #: 5  
 POA TO CENTROID: .286  
 MIN RADIUS : .195  
 MEAN RADIUS : 1.409  
 MAX RADIUS : 3.097  
 CENTROID X : -.135  
 CENTROID Y : -.252

24 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6225324

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 2.79  
 VS= 4.83  
 GS= 5.05

2  
 2  
 6