

G6410287
Replaced
E 6413570

Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: RE00096737

Serial: E8413570 Model: M24-SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 5/9/2005 7:28:06 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICE

Name: TRANSPORTATION OFFICE

Address 1: COOK DR AND KNOX ST

Address 1: COOK DR AND KNOX ST

Address 2: HHC-1-505TH PIR

Address 2: HHC-1-505TH PIR

City: FORT BRAGG

City: FORT BRAGG

State: NC

State: NC

Zip Code: 28310

Zip Code: 28310

Country: US

Country: US

FFL

Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing

Contact Information

Received Condition

Accessories Received

Phone: N/A

Good

Condition Notes:

CSR Notes:

Code Desc Qty

A007 With Stud 3

A010 Hard Case 1

A016 Scope Rings 2

A017 Scope Base 1

A026 Scope 1

A057 Frt and Rear Sgt Base 1

Repair Search

Refresh

Close

Insglet 5/9/2005 3:58 AM CAPS NUM INS SCRL

start 2 3 Arms Services 2

Serial Number: **E6413570**



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)

SERIAL NO.

DATE

TESTER

5-20-05

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.35	2.83		2.63	
PULL #2	2.75	2.84		2.61	
PULL #3	2.99	2.96		2.59	
PULL #4	2.51	2.97		2.75	
PULL #5	2.35	2.99		2.56	
TOTAL	12.95	14.59		13.14	
AVERAGE	2.59	2.91		2.62	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.08		
PULL #2	3.19	3.00		
PULL #3	3.08	3.17		
PULL #4	3.25	3.15		
PULL #5	3.29	3.12		
TOTAL	16.09	15.52		
AVERAGE	3.21	3.10		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.24	4.26		4.30
PULL #2	4.41	4.34		4.35
PULL #3	4.24	4.41		4.28
PULL #4	4.34	4.35		4.34
PULL #5	4.27	4.39		4.37
TOTAL	21.50	21.75		21.64
AVERAGE	4.30	4.35		4.32

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6410287.___0
FILE DATE AND TIME: 05/24/2005 07:13

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.055
The Average Y Centroid of the Five Target Set:	-0.034
The Average Point of Impact of the Five Target Set:	0.064
The Average Mean Radius of the Five Target Set:	0.751
The Distance from POA to Centroid Target #1:	0.103
The Distance from Centroid Target #2 to Centroid Target #1:	0.196
The Distance from Centroid Target #3 to Centroid Target #1:	0.230
The Distance from Centroid Target #4 to Centroid Target #1:	0.108
The Distance from Centroid Target #5 to Centroid Target #1:	0.034

SERIAL NUMBER: G6410287. 0

TARGET NUMBER: 1

FILE DATE: 05/24/2005

FILE TIME: 07:13

X CENTROID: 0.014

Y CENTROID: -0.102

POA TO CENTROID: 0.103

HORZ SPREAD: 1.783

VERT SPREAD: 2.416

GROUP SPREAD: 2.592

MIN RADIUS: 0.056

MAX RADIUS: 1.538

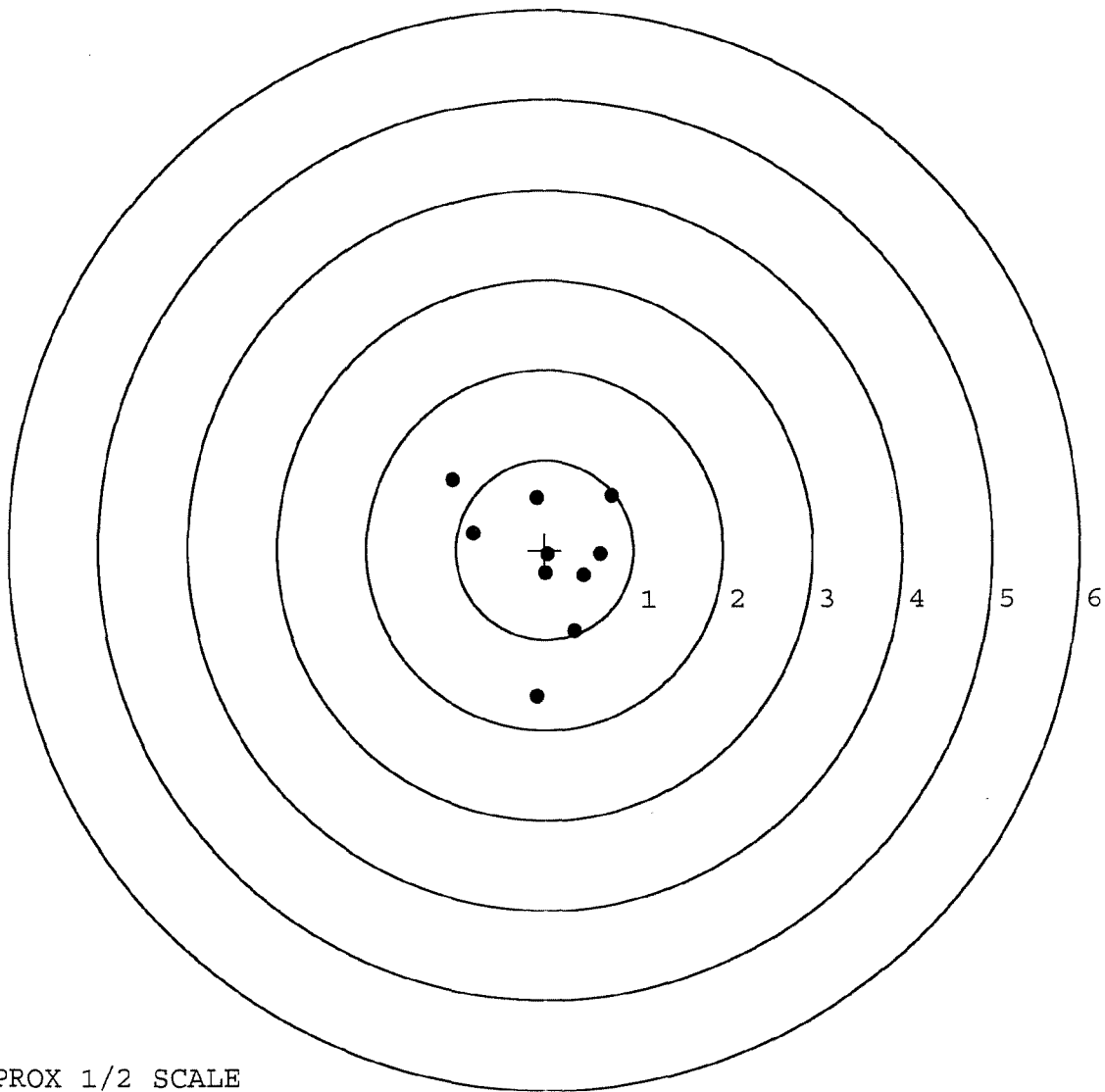
MEAN RADIUS: 0.765

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.097	-1.636
2:	0.331	-0.910
3:	0.623	-0.044
4:	0.748	0.610
5:	0.004	-0.264
6:	0.027	-0.048
7:	-0.096	0.586
8:	-0.803	0.189
9:	-1.035	0.780
10:	0.436	-0.284



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410287. 0

TARGET NUMBER: 2

FILE DATE: 05/24/2005

FILE TIME: 07:13

X CENTROID: -0.020

Y CENTROID: 0.091

POA TO CENTROID: 0.093

HORZ SPREAD: 2.651

VERT SPREAD: 2.232

GROUP SPREAD: 2.686

MIN RADIUS: 0.280

MAX RADIUS: 1.549

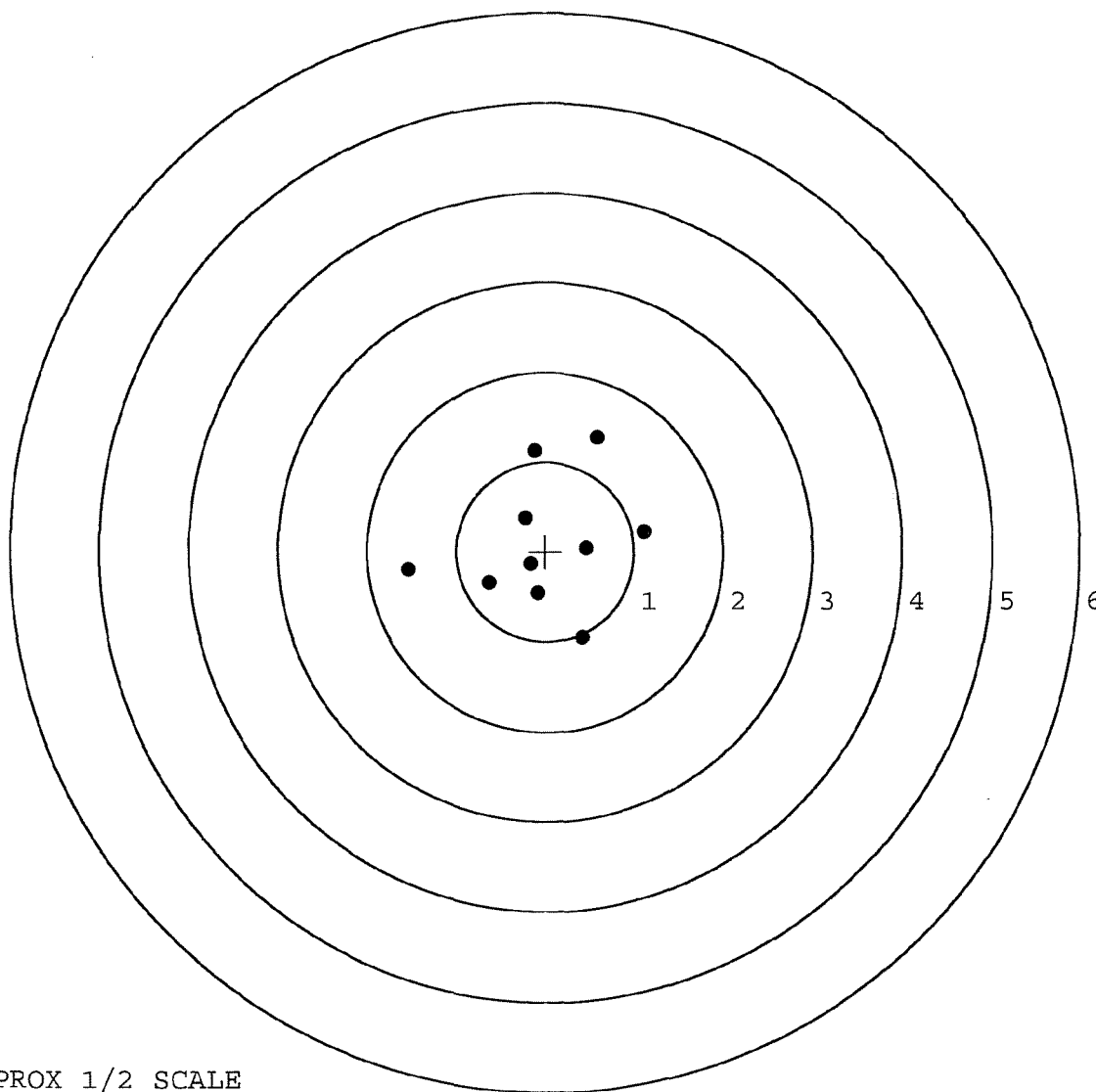
MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.591	1.274
2:	-0.122	1.123
3:	-0.230	0.376
4:	0.461	0.045
5:	1.112	0.224
6:	0.420	-0.958
7:	-0.089	-0.468
8:	-0.169	-0.146
9:	-0.636	-0.353
10:	-1.539	-0.211



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410287. 0

TARGET NUMBER: 3

FILE DATE: 05/24/2005

FILE TIME: 07:13

X CENTROID: 0.144

Y CENTROID: 0.088

POA TO CENTROID: 0.169

HORZ SPREAD: 1.981

VERT SPREAD: 2.612

GROUP SPREAD: 2.907

MIN RADIUS: 0.334

MAX RADIUS: 1.630

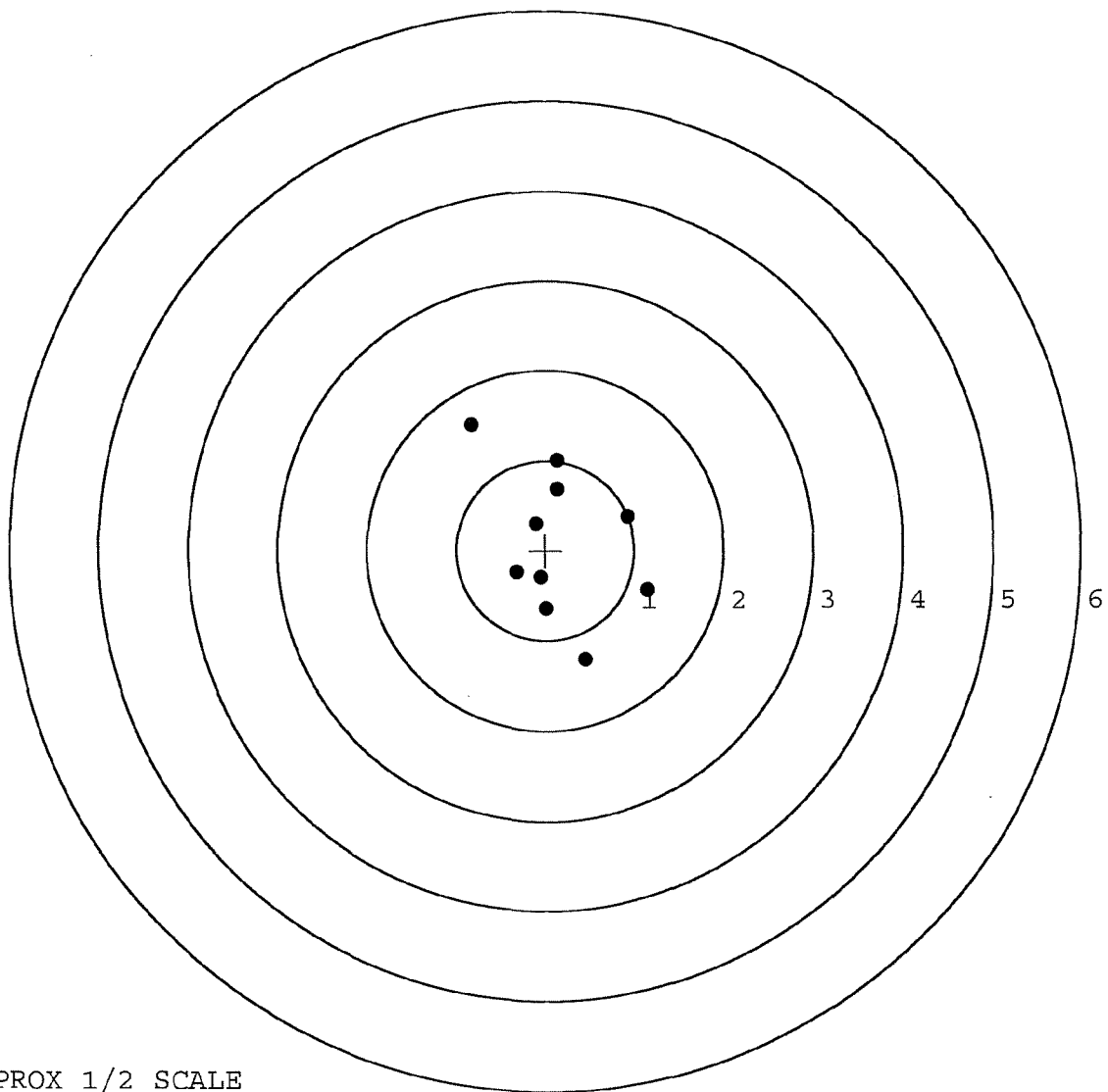
MEAN RADIUS: 0.856

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.148	-0.444
2:	0.925	0.374
3:	0.443	-1.219
4:	0.128	1.005
5:	0.133	0.682
6:	-0.119	0.295
7:	-0.833	1.393
8:	-0.330	-0.245
9:	-0.059	-0.306
10:	0.001	-0.652



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410287. __0

TARGET NUMBER: 4

FILE DATE: 05/24/2005

FILE TIME: 07:13

X CENTROID: 0.098

Y CENTROID: -0.170

POA TO CENTROID: 0.196

HORZ SPREAD: 2.322

VERT SPREAD: 2.326

GROUP SPREAD: 2.867

MIN RADIUS: 0.127

MAX RADIUS: 1.897

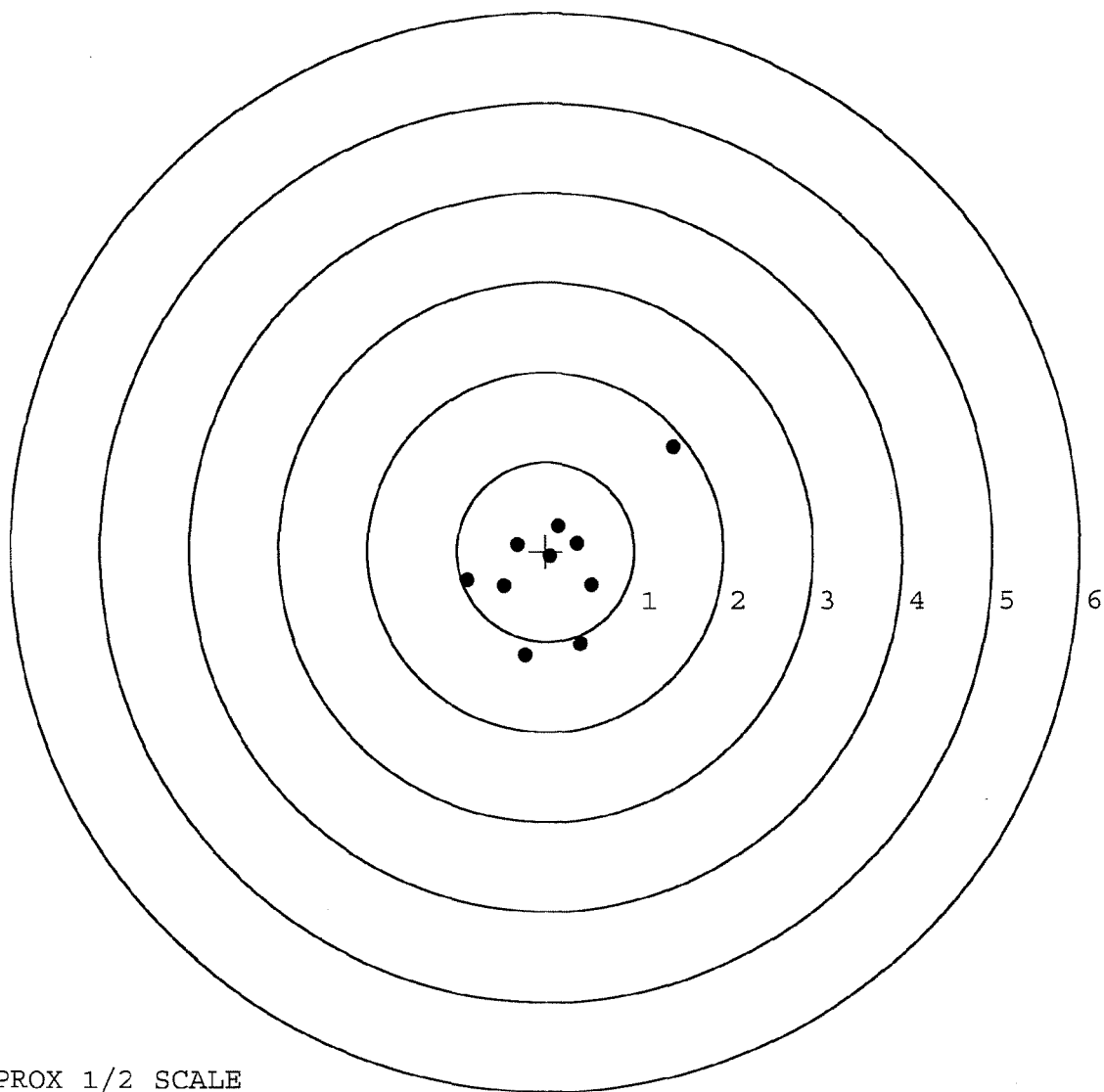
MEAN RADIUS: 0.735

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.393	-1.028
2:	0.514	-0.377
3:	-0.235	-1.157
4:	-0.474	-0.388
5:	-0.321	0.077
6:	-0.881	-0.325
7:	0.355	0.097
8:	0.047	-0.054
9:	0.138	0.284
10:	1.441	1.169



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410287. __0

TARGET NUMBER: 5

FILE DATE: 05/24/2005

FILE TIME: 07:13

X CENTROID: 0.038

Y CENTROID: -0.077

POA TO CENTROID: 0.086

HORZ SPREAD: 1.241

VERT SPREAD: 0.987

GROUP SPREAD: 1.551

MIN RADIUS: 0.325

MAX RADIUS: 0.779

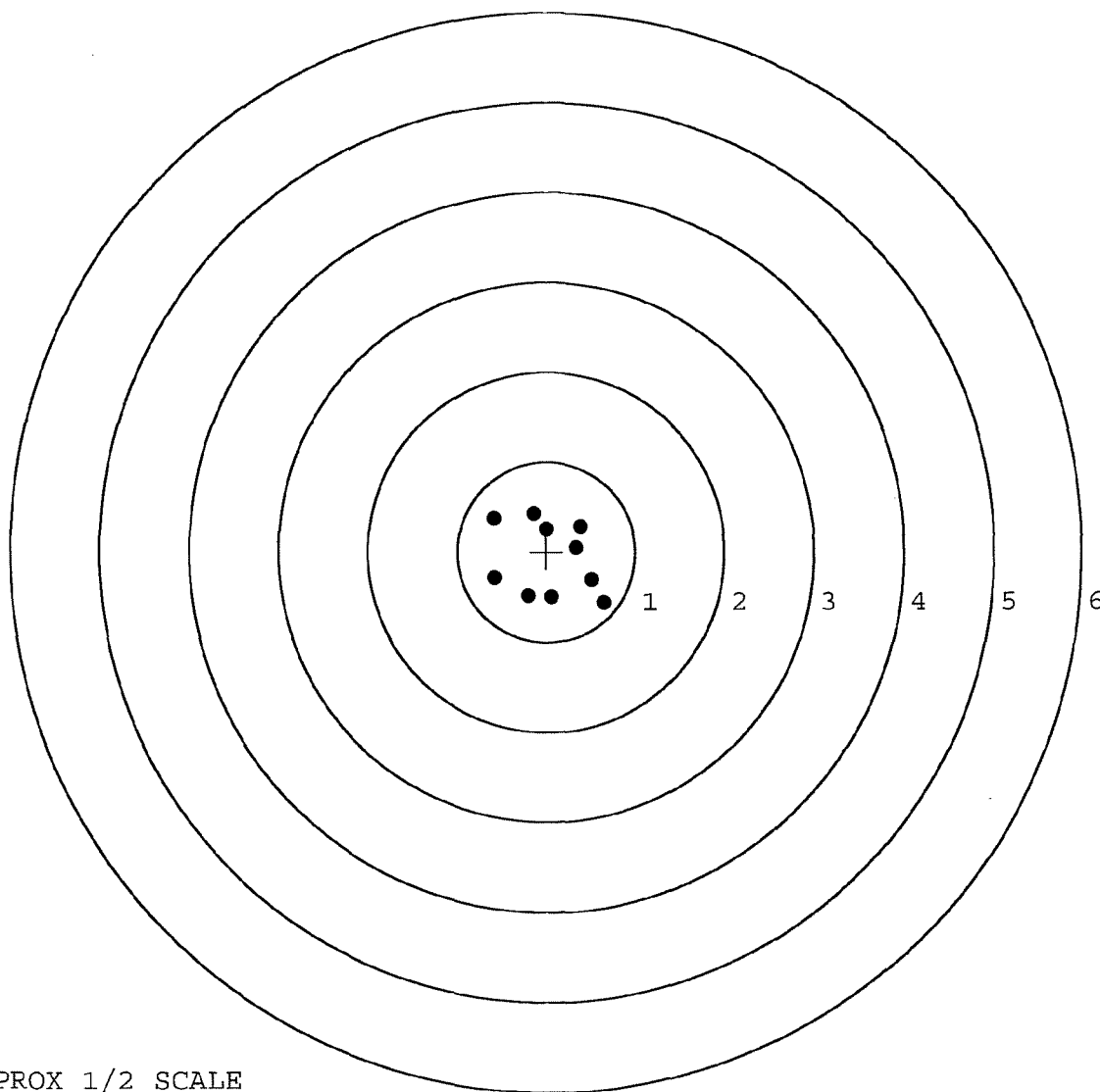
MEAN RADIUS: 0.534

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.641	-0.561
2:	0.513	-0.311
3:	0.336	0.051
4:	0.380	0.282
5:	0.002	0.251
6:	-0.148	0.426
7:	0.054	-0.502
8:	-0.211	-0.493
9:	-0.589	-0.287
10:	-0.600	0.370



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	96237		
SERIAL NUMBER	E6413570		G6410287 (New)
LOG-IN DATE	5-9-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-9-05	RTL
560 A	RE-BARREL	5-17-05	RTL
B	DRILL AND TAP	5-18-05	TRW
575	ASSEMBLE	5-18-05	RTL
600	PROOF	5-18-05	AC
605	CHECK HEADSPACE	5-18-05	AC
610	DIS-ASSEMBLE GUN	5-18-05	AC
612	MAGNAFLUX OPERATOR	5-19-05	WMB
615	ROLLMARK CALIBER	5-19-05	CW
618	ROTO-BLAST	5-20-05	LB
620	APPLY COATINGS	5-22-05	W
625 A	FINAL ASSEMBLY	5-23-05	RTL
B	TRIGGER PULL TEST	5-24-05	RTL
C	SAFETY "ON" FORCE	5-24-05	RTL
D	SAFETY "OFF" FORCE	5-24-05	RTL
E	FIRING PIN INDENT	5-24-05	RTL
640	TARGET	5-24-05	TRW
655	FINAL INSPECT	5-24-05	RTL
660	PACK	5-24-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413570
28 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1024
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.06
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118683

THE AMR FOR THIS RIFLE IS: 1.035

CENTROIDAL DISTANCES

0 TO 1	.080604
1 TO 2	.228359
1 TO 3	.0721803
1 TO 4	.375506
1 TO 5	.126625

5
4
3
2
1
0
←----POA

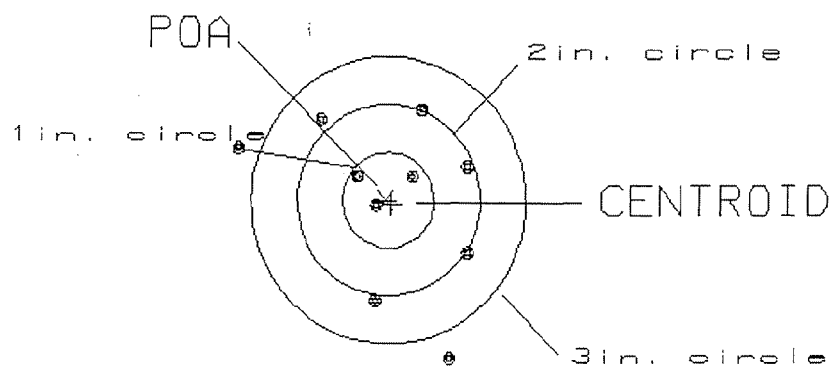
PATTERN #: 1

POA TO CENTROID: .081
 MIN RADIUS : .184
 MEAN RADIUS : .969
 MAX RADIUS : 1.726
 CENTROID X : -.064
 CENTROID Y : .049

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413570

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.54

3

VS= 2.51

5

GS= 3.11

8

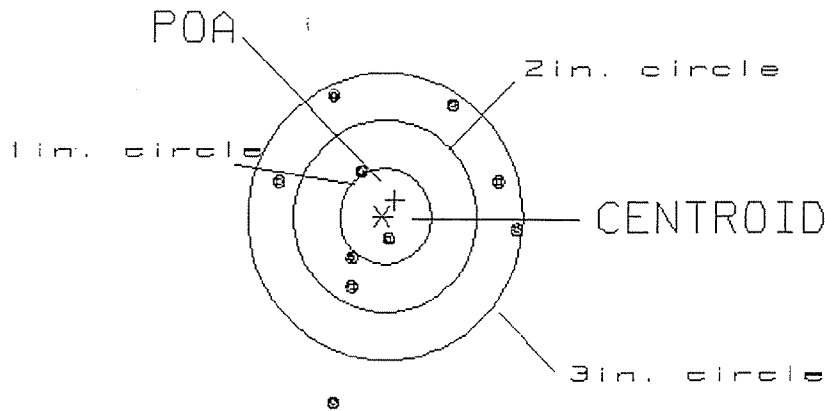
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .214
 MIN RADIUS : .245
 MEAN RADIUS : 1.086
 MAX RADIUS : 2.063
 CENTROID X : -.132
 CENTROID Y : -.169

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413570

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.58
 VS= 3.26
 GS= 3.39

1
 4
 9

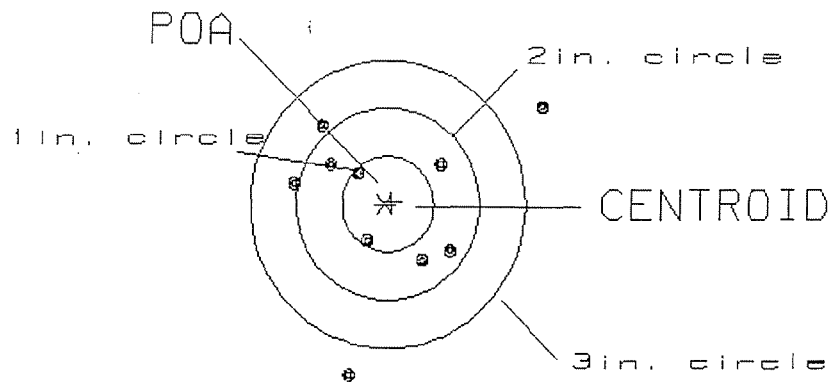
PATTERN #: L 3

POA TO CENTROID: .080
 MIN RADIUS : .460
 MEAN RADIUS : .985
 MAX RADIUS : 1.972
 CENTROID X : -.077
 CENTROID Y : -.022

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413570

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.76

2

VS= 2.72

6

GS= 3.44

8

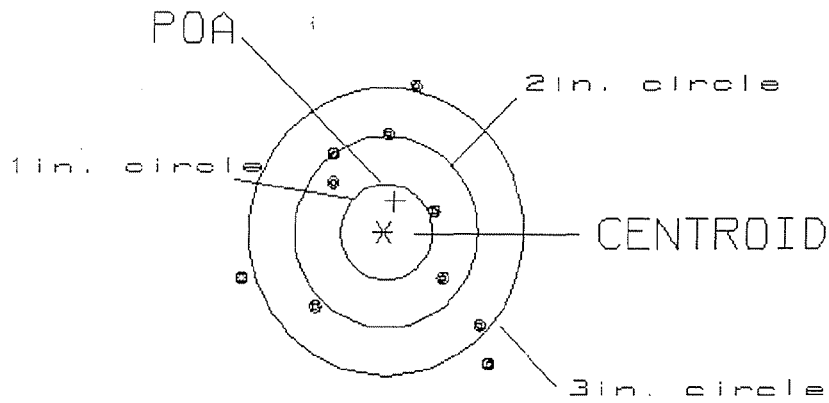
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .345
 MIN RADIUS : .560
 MEAN RADIUS : 1.166
 MAX RADIUS : 1.781
 CENTROID X : -.122
 CENTROID Y : -.322

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413570

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.72
 VS= 2.92
 GS= 3.02

0
 3
 7

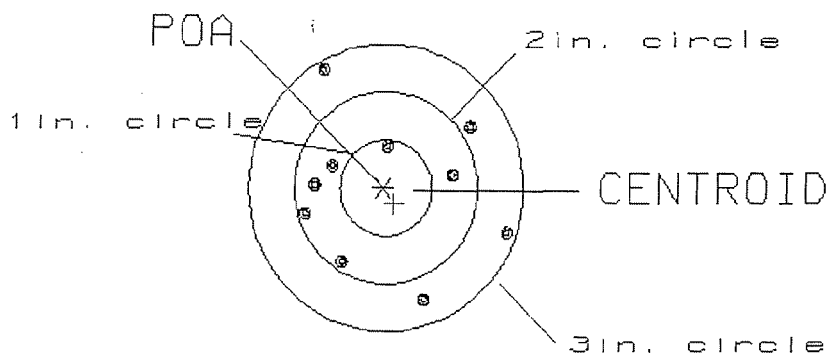
PATTERN #: 5

POA TO CENTROID: .201
 MIN RADIUS : .485
 MEAN RADIUS : .968
 MAX RADIUS : 1.423
 CENTROID X : -.117
 CENTROID Y : .164

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413570

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.19
 VS= 2.44
 GS= 2.65

1
 6
 10