

G669 5375
Replaces
E6703516

Repair Inquiry

Repair Number: RE00161966

Serial: E6703516 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 2/13/2009 8:07:27 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: FB4830 TMO 23RD LRS LGRDDC

FB4830 TMO 23RD LRS LGRDDC

Address 1: 4380D ALABAMA ROAD

4380D ALABAMA ROAD

Address 2: PD Box:

PD Box:

City: MOODY AFB

MOODY AFB

State: GA Zip Code: 31699

Country: US

State: GA Zip Code: 31699

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

2/13/2009

1:30 PM

CAPS

NUM

INS

SCRL



1:30 PM

Serial Number

~~E6703516~~

Model: M24 SWS



RE00161966

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER _____
SERIAL NUMBER 26703516 C6695375
LOG-IN DATE 2-13-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-24-09	RTZ
505	RE-BARREL	4-28-09	RTZ
420	ASSEMBLE	4-28-09	RTZ
440	PROOF	4-28-09	TAR
460	CHECK HEADSPACE	4-28-09	TAR
470	DIS-ASSEMBLE GUN	4-28-09	RTZ
480	MAGNAFLUX	5/6/09	RTZ
510	DRILL AND TAP	4-28-09	ST
500	ROLLMARK CALIBER	5/7/09	RT
520	GOFF BLAST BBL / REC	5/7/09	REM
530 & 540	APPLY COATINGS	5/8	C
560	FINAL ASSEMBLY	5-11-09	RTZ
640	FUNCTION TEST AND	5/13/09	RB
650	TARGET	5/13/09	RB
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION N/A	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5-12-09	N/A
	A) HEADSPACE	5-13-09	RTZ
	B) TRIGGER PULL	5-13-09	RTZ
680	F) SAFETY ON FORCE	5-13-09	RTZ
	G) SAFETY OFF FORCE	5-13-09	RTZ
	I) FIRING PIN INDENT	5-13-09	RTZ
690	PACK	5/15/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695375.__0

FILE DATE AND TIME: 05/12/2009 12:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.316
The Average Y Centroid of the Five Target Set:	0.076
The Average Point of Impact of the Five Target Set:	0.325
The Average Mean Radius of the Five Target Set:	0.563
The Distance from POA to Centroid Target #1:	0.545
The Distance from Centroid Target #2 to Centroid Target #1:	0.385
The Distance from Centroid Target #3 to Centroid Target #1:	0.342
The Distance from Centroid Target #4 to Centroid Target #1:	0.387
The Distance from Centroid Target #5 to Centroid Target #1:	0.438

SERIAL NUMBER: G6695375. __0

TARGET NUMBER: 1

FILE DATE: 05/12/2009

FILE TIME: 12:49

POINT#	X	Y
1:	-0.509	0.851
2:	-0.282	0.752
3:	-0.546	0.531
4:	0.142	0.503
5:	-0.098	0.233
6:	-0.613	0.227
7:	-1.323	0.503
8:	-0.599	-0.354
9:	0.078	-0.499
10:	-0.430	0.745

X CENTROID: -0.418

Y CENTROID: 0.349

POA TO CENTROID: 0.545

HORZ SPREAD: 1.465

VERT SPREAD: 1.350

GROUP SPREAD: 1.722

MIN RADIUS: 0.222

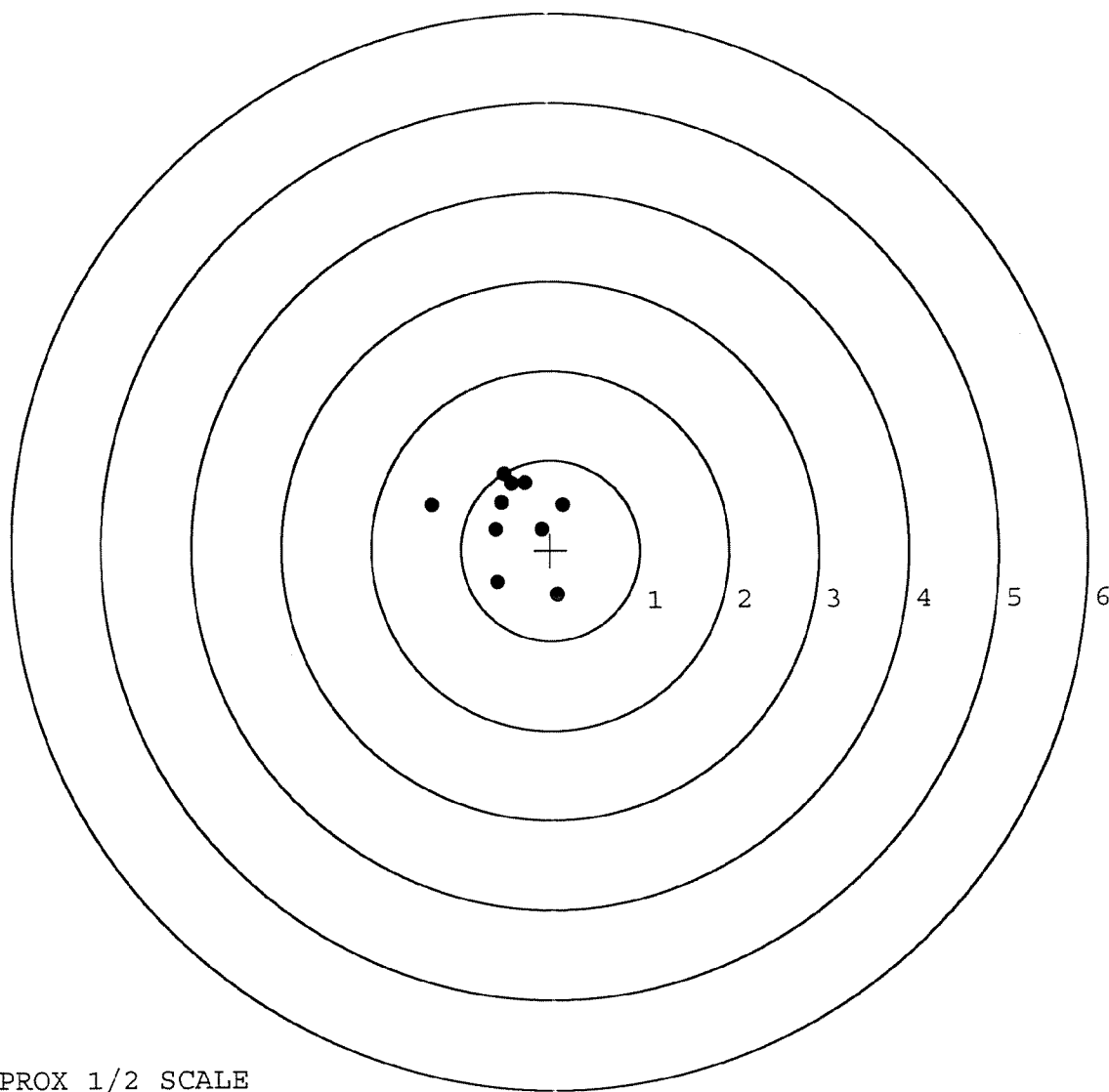
MAX RADIUS: 0.983

MEAN RADIUS: 0.533

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695375. __0

TARGET NUMBER: 2

FILE DATE: 05/12/2009

FILE TIME: 12:49

POINT#	X	Y
1:	-0.705	1.108
2:	-0.453	0.768
3:	-0.247	0.601
4:	-0.058	0.336
5:	-0.434	0.123
6:	0.462	-0.041
7:	-0.212	-0.547
8:	-0.810	-0.339
9:	-0.070	-1.116
10:	0.355	-0.684

X CENTROID: -0.217

Y CENTROID: 0.021

POA TO CENTROID: 0.218

HORZ SPREAD: 1.272

VERT SPREAD: 2.224

GROUP SPREAD: 2.313

MIN RADIUS: 0.240

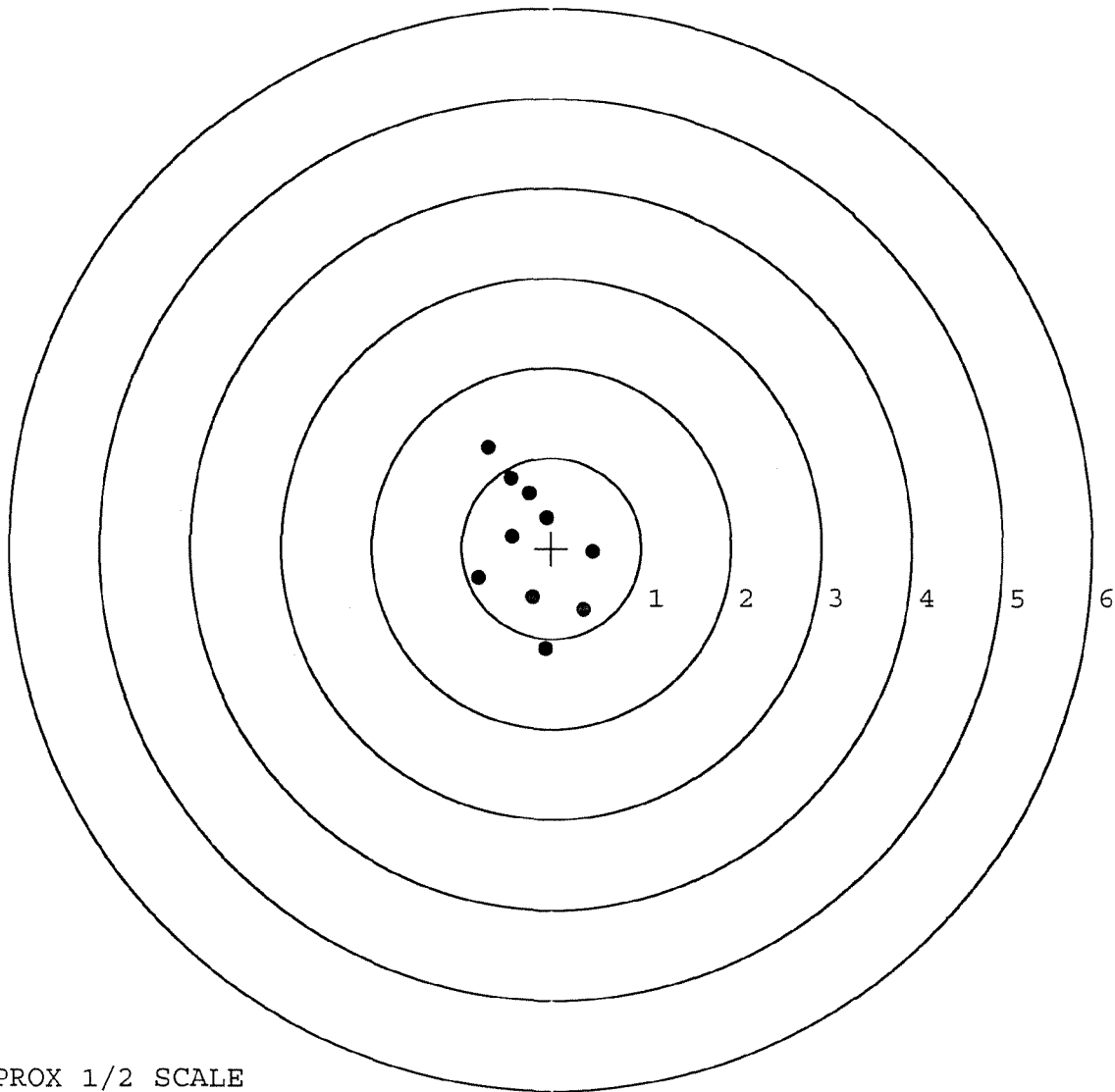
MAX RADIUS: 1.192

MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

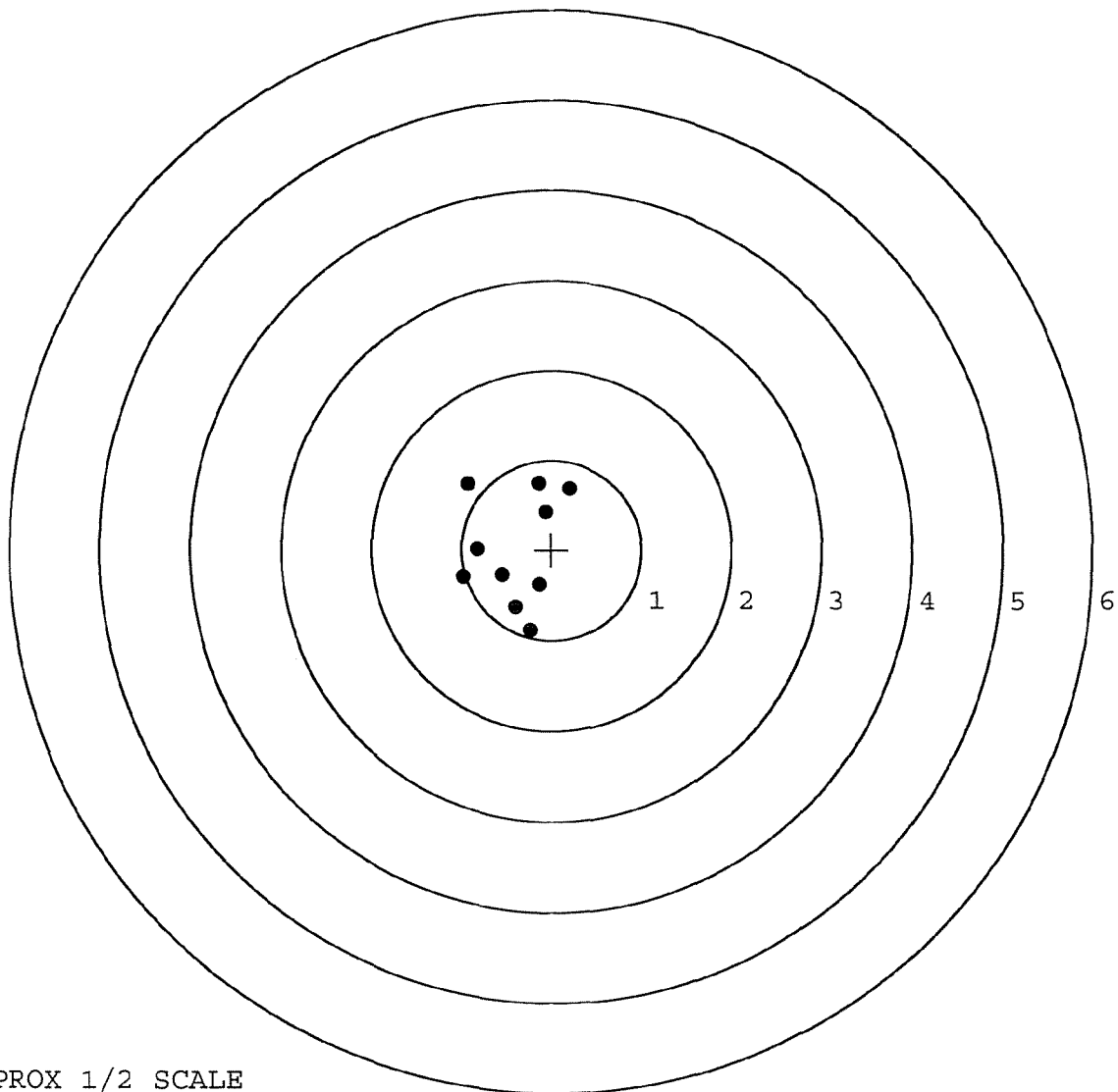


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695375. __0
TARGET NUMBER: 3
FILE DATE: 05/12/2009
FILE TIME: 12:49

POINT#	X	Y
1:	-0.933	0.733
2:	-0.143	0.746
3:	0.206	0.685
4:	-0.073	0.425
5:	-0.138	-0.393
6:	-0.403	-0.638
7:	-0.246	-0.899
8:	-0.550	-0.283
9:	-0.982	-0.307
10:	-0.821	0.001

X CENTROID: -0.408
Y CENTROID: 0.007
POA TO CENTROID: 0.408
HORZ SPREAD: 1.188
VERT SPREAD: 1.645
GROUP SPREAD: 1.771
MIN RADIUS: 0.323
MAX RADIUS: 0.920
MEAN RADIUS: 0.657
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

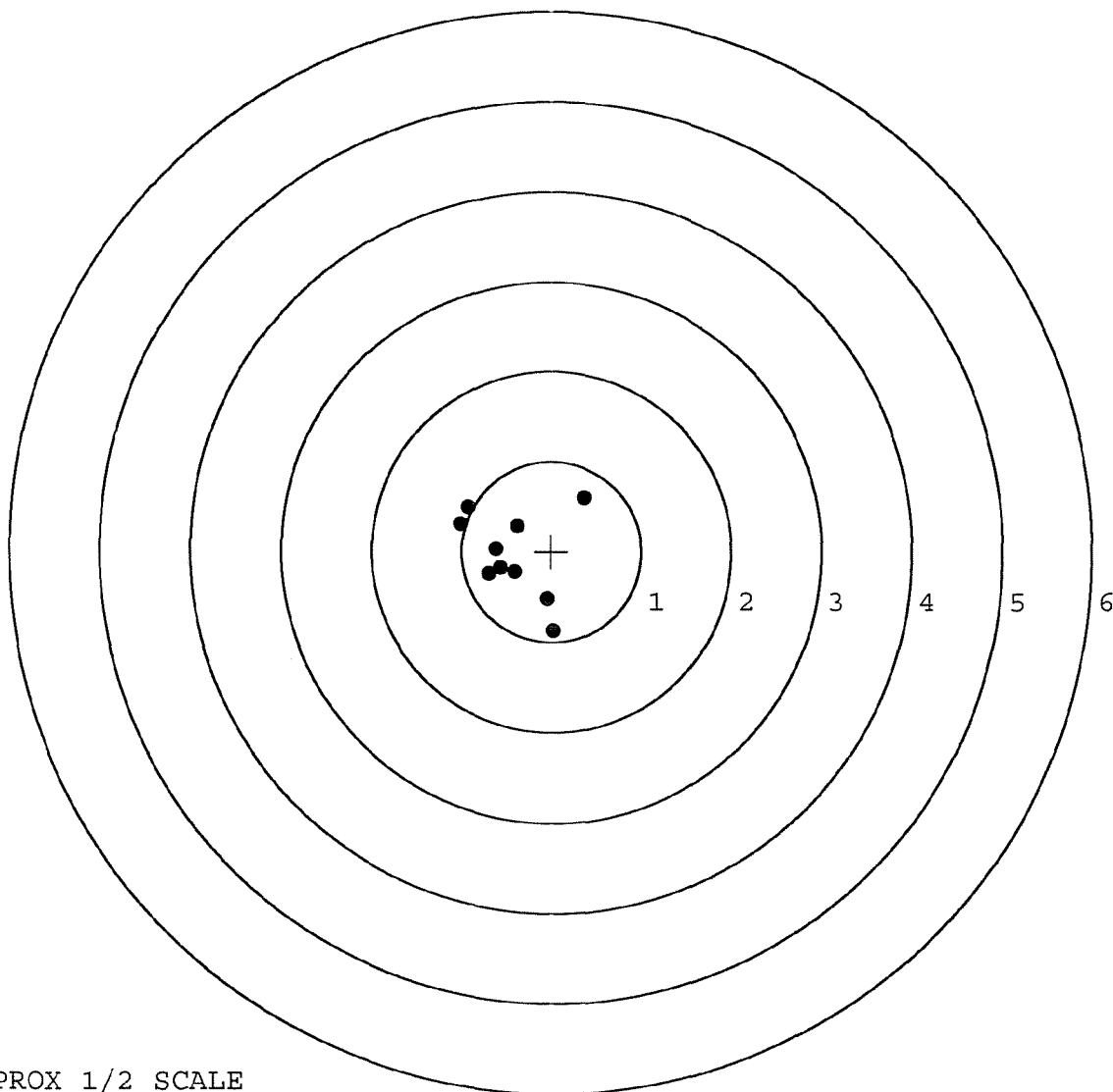


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695375. __0
TARGET NUMBER: 4
FILE DATE: 05/12/2009
FILE TIME: 12:49

POINT#	X	Y
1:	0.365	0.603
2:	-0.383	0.282
3:	-0.933	0.487
4:	-1.016	0.300
5:	-0.050	-0.530
6:	0.017	-0.883
7:	-0.697	-0.251
8:	-0.407	-0.227
9:	-0.617	0.027
10:	-0.571	-0.185

X CENTROID: -0.429
Y CENTROID: -0.038
POA TO CENTROID: 0.431
HORZ SPREAD: 1.381
VERT SPREAD: 1.486
GROUP SPREAD: 1.526
MIN RADIUS: 0.191
MAX RADIUS: 1.020
MEAN RADIUS: 0.526
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

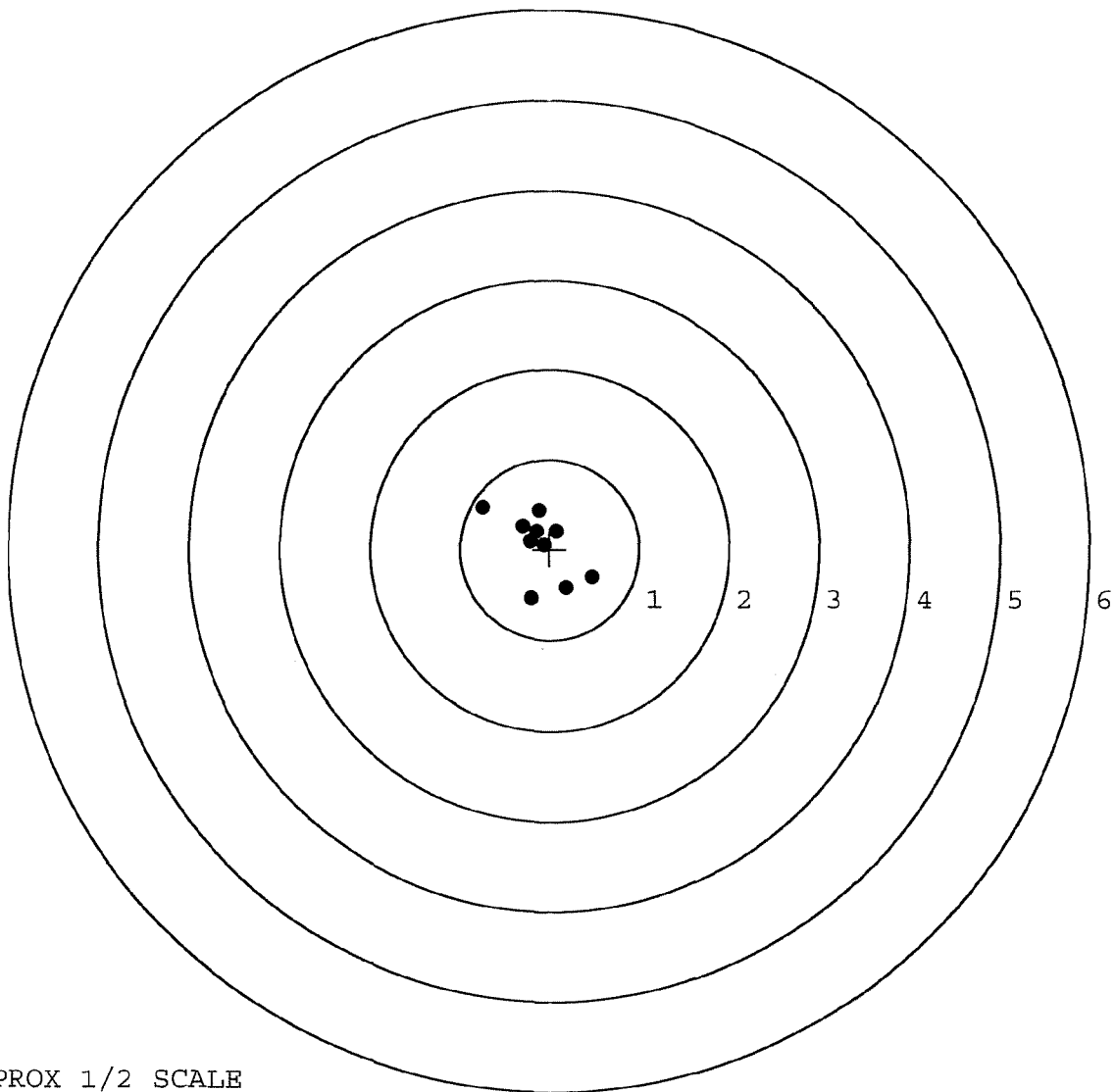


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695375. __0
TARGET NUMBER: 5
FILE DATE: 05/12/2009
FILE TIME: 12:49

POINT#	X	Y
1:	0.479	-0.311
2:	0.185	-0.433
3:	-0.209	-0.549
4:	-0.748	0.466
5:	-0.122	0.437
6:	-0.297	0.263
7:	-0.214	0.095
8:	-0.065	0.052
9:	0.078	0.200
10:	-0.142	0.203

X CENTROID: -0.105
Y CENTROID: 0.042
POA TO CENTROID: 0.114
HORZ SPREAD: 1.227
VERT SPREAD: 1.015
GROUP SPREAD: 1.452
MIN RADIUS: 0.042
MAX RADIUS: 0.770
MEAN RADIUS: 0.387
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



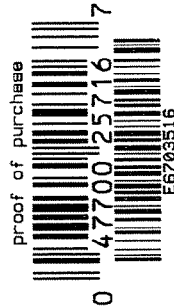
TARGET APPROX 1/2 SCALE

MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444



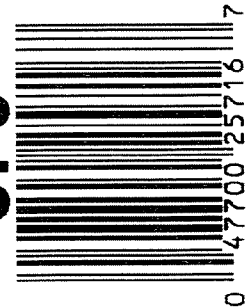
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703516

UPC



Remington®

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

MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

SERIAL NO. **J**
E6703516

ORDER NO.
25716

Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee.



5716 E6703516

11CV

ORDER 25716

MODEL 700TH M24

UPC

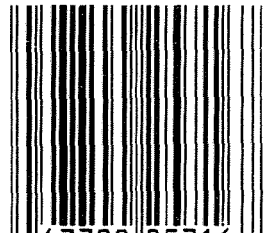


0 47700 25716 7

ORDER 25716

MODEL 700TH M24

UPC



0 47700 25716 7

SERIAL NO.



E6703516

GUN SERIAL # E6703516

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		3/22/07	C/K
600	PROOF		1	1
607	CHECK HEADSPACE		1	1
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT			
615	ROLLMARK CALIBER			
617	DRILL AND TAP SIGHT HOLES		3/22/07	JK
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		3/23/07	JK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		1	1
	C) INSPECT EJECTOR HOLE FOR CHAMFER		1	1
	D) OIL FIRING PIN ASSEMBLY		4/4/07	JK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		"	"

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>4.0</u> <u>5.0</u> <u>5.0</u>	3/29/01	DA
CONT.	G) SAFETY OFF FORCE	<u>3.0</u> <u>3.0</u> <u>3.5</u>	4	DA
	H) TRIGGER PULL TEST AND RETAINABILITY		3/29/01	DA
	I) FIRING PIN INDENT	<u>.022</u> <u>.023</u> <u>.023</u>	3/29/01	DA
	J) ASSEMBLE STOCK			CK
	K) ASSEMBLE SWIVEL STUDS			
	L) ATTACH FRONT AND REAR SIGHT ASSY'S			
	M) IRON SIGHT ALIGNMENT			
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER			
640	GALLERY TEST AND TARGET		3/27 ^{AC} 3-24-01	RW
	A) MALFUNCTIONS		3/27 ^{AC} 3-24-01	RW
	B) PIERCED PRIMERS		3/27 ^{AC} 3-24-01	RW
645	INSPECT FOR LIVE AMMO		3/27 ^{AC} 3-24-01	RW
655	FINAL INSPECTION A) HEADSPACE		3/30/01	RW
	B) TRIGGER PULL	<u>2.87</u> <u>2.87</u> <u>2.77</u> <u>2.82</u> <u>2.85</u>	3/31/01	DA
	C) FUNCTION			
660	PACK			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. E6703516

DATE 2-14-01

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.59		2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.54		2.65	
PULL #3	2.63	2.57		2.65	
PULL #4	2.67	2.62		2.65	
PULL #5	2.61	2.52		2.74	
TOTAL	12.83	12.84		13.37	
AVG.	2.56	2.56		2.67	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.13		
PULL #2	3.00	3.00		
PULL #3	3.14	3.00		
PULL #4	3.06	3.01		
PULL #5	3.13	2.99		
TOTAL	15.42	15.13		
AVG.	3.08	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.16		4.09
PULL #2	4.13	4.22		4.15
PULL #3	4.20	4.19		4.15
PULL #4	4.22	4.08		4.03
PULL #5	4.20	4.24		4.04
TOTAL	21.00	20.89		
AVG.	4.20	4.17		

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703516
28 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0036
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0604
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0605072

THE AMR FOR THIS RIFLE IS: 1.151

CENTROIDAL DISTANCES

0	TO	1	.432733
1	TO	2	.28406
1	TO	3	.472945
1	TO	4	.425
1	TO	5	.716041

1
4²
3 <----POA
5

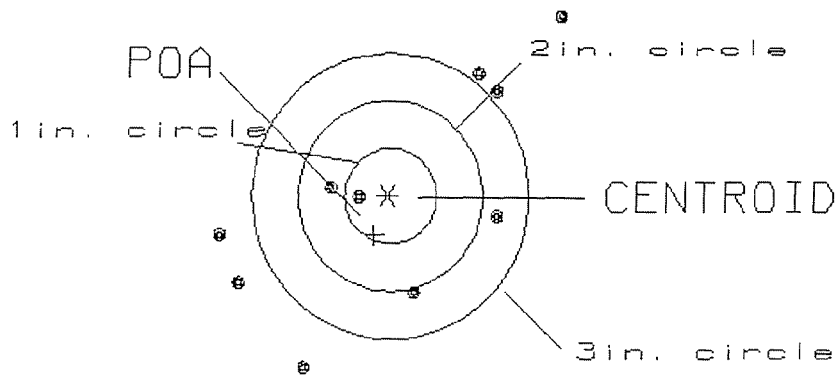
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .433
 MIN RADIUS : .323
 MEAN RADIUS : 1.479
 MAX RADIUS : 2.643
 CENTROID X : .147
 CENTROID Y : .407

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.68
 VS= 3.66
 GS= 4.61

1
 2
 4

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .157

MIN RADIUS : .323

MEAN RADIUS : .984

MAX RADIUS : 2.126

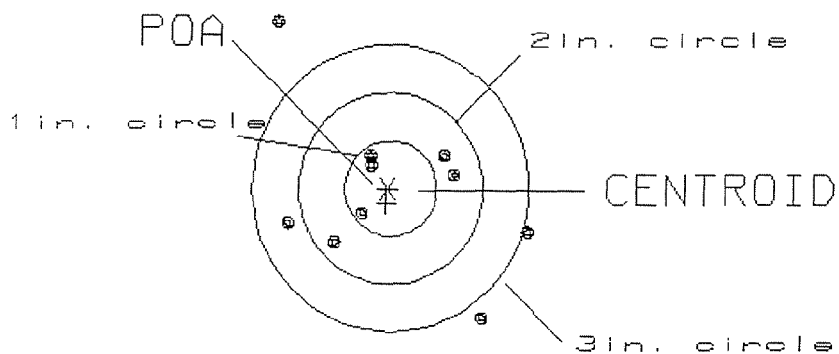
CENTROID X : .014

CENTROID Y : .156

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.71

3

VS= 3.05

6

GS= 3.77

7

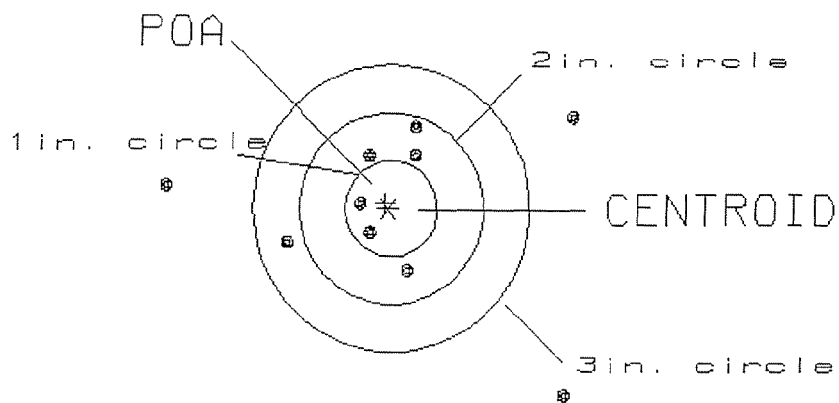
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .062
 MIN RADIUS : .326
 MEAN RADIUS : 1.195
 MAX RADIUS : 2.648
 CENTROID X : .033
 CENTROID Y : -.052

28 Mar 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6703516.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.41
 VS= 2.90
 GS= 4.79

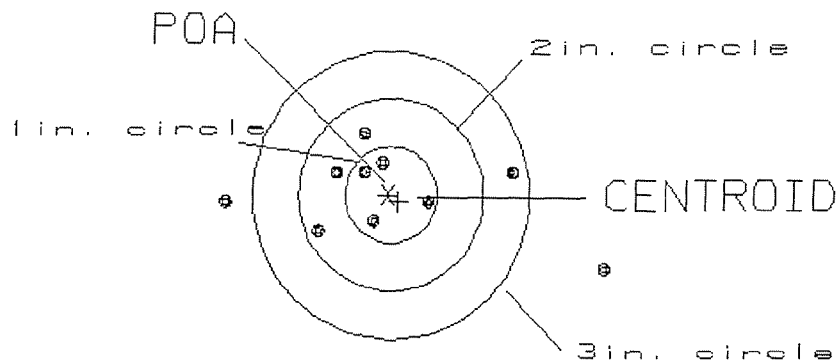
2
 6
 7

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .127
 MIN RADIUS : .317
 MEAN RADIUS : .925
 MAX RADIUS : 2.464
 CENTROID X : -.108
 CENTROID Y : .067

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.13

4

VS= 1.49

7

GS= 4.20

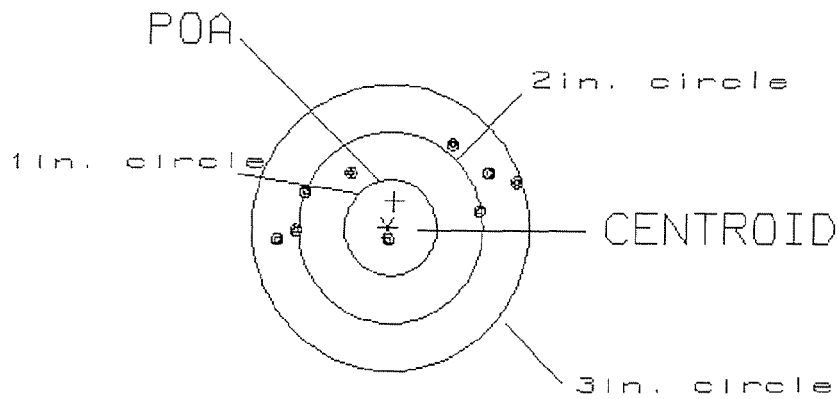
8

PATTERN #: 5
 POA TO CENTROID: .284
 MIN RADIUS : .159
 MEAN RADIUS : 1.174
 MAX RADIUS : 2.839
 CENTROID X : -.068
 CENTROID Y : -.276

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.65

1

VS= 3.68

4

GS= 3.86

9

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703516
26 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1506
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0334
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154259

THE AMR FOR THIS RIFLE IS: 1.327

CENTROIDAL DISTANCES

0 TO 1	.389005
1 TO 2	.2895
1 TO 3	.208521
1 TO 4	.490254
1 TO 5	.473241

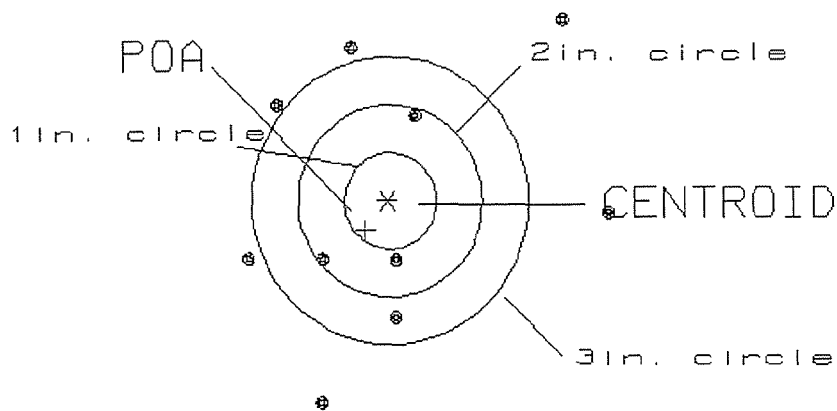
1
+23 <----POA
4 5

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .389
 MIN RADIUS : .615
 MEAN RADIUS : 1.571
 MAX RADIUS : 2.605
 CENTROID X : .235
 CENTROID Y : .310

25 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.87

0

VS= 3.96

3

GS= 4.73

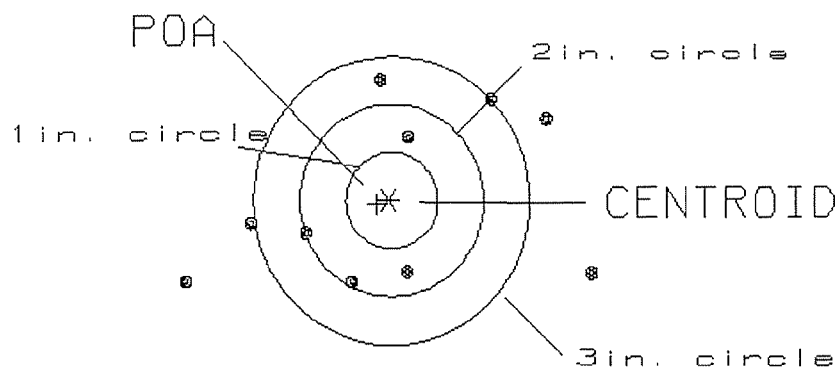
4

PATTERN #: 2
 POA TO CENTROID: .135
 MIN RADIUS : .658
 MEAN RADIUS : 1.428
 MAX RADIUS : 2.365
 CENTROID X : .128
 CENTROID Y : .041

25 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 4.44

0

VS= 2.10

4

GS= 4.44

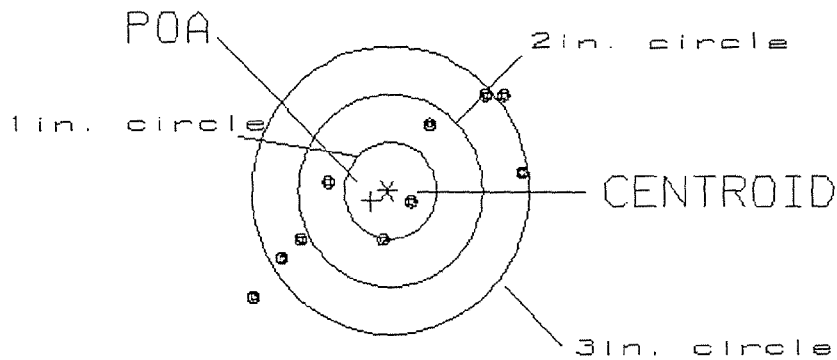
6

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .208
 MIN RADIUS : .257
 MEAN RADIUS : 1.109
 MAX RADIUS : 1.882
 CENTROID X : .176
 CENTROID Y : .110

25 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.94
 VS= 2.12
 GS= 3.46

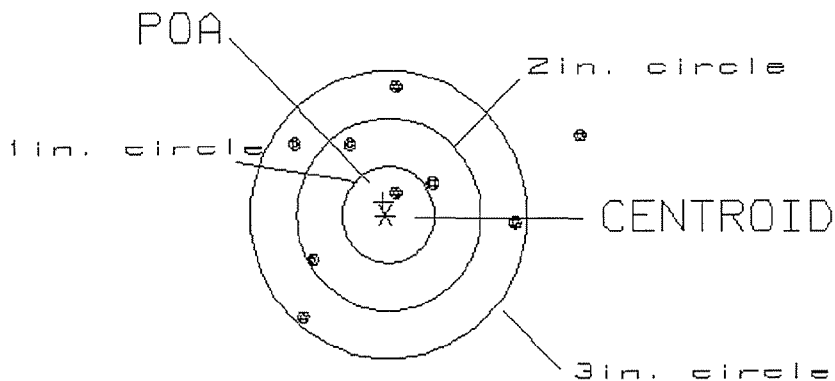
1
 4
 5

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .135
 MIN RADIUS : .232
 MEAN RADIUS : 1.273
 MAX RADIUS : 2.654
 CENTROID X : .025
 CENTROID Y : -.133

25 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.09
 VS= 3.77
 GS= 4.48

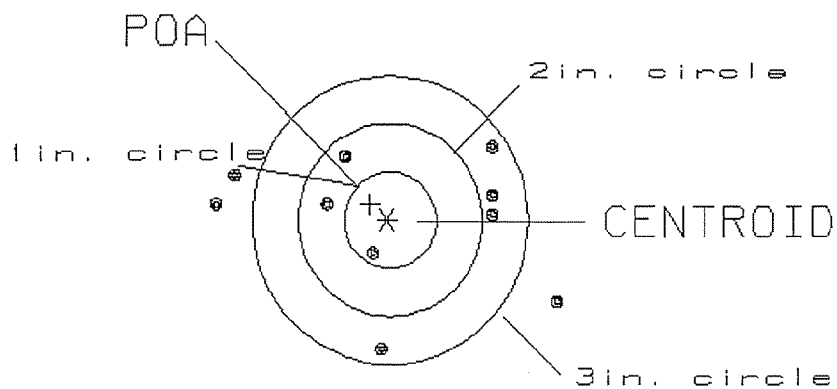
1
 4
 8

PATTERN #: 5
 POA TO CENTROID: .248
 MIN RADIUS : .412
 MEAN RADIUS : 1.252
 MAX RADIUS : 2.048
 CENTROID X : .189
 CENTROID Y : -.161

25 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703516

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.73
 US= 2.03
 GS= 3.87

1
 3
 7