

16349162

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

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: **RE00087056** Serial: D6349162 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 6:28:32 AM

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From:

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
C000	RAND R SGT BASES	2

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

negletj 10/27/2004 10:19 AM CAPS NUM INS SCBL

start 3 3 2 M

Serial Number: **C6349162**

Model: **M24 SWS**



RE00087056

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349162.___0
FILE DATE AND TIME: 11/15/2004 10:44

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.061
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.063
The Average Mean Radius of the Five Target Set:	0.631
The Distance from POA to Centroid Target #1:	0.352
The Distance from Centroid Target #2 to Centroid Target #1:	0.427
The Distance from Centroid Target #3 to Centroid Target #1:	0.498
The Distance from Centroid Target #4 to Centroid Target #1:	0.696
The Distance from Centroid Target #5 to Centroid Target #1:	0.537

SERIAL NUMBER: C6349162. __0

TARGET NUMBER: 1

FILE DATE: 11/15/2004

FILE TIME: 10:44

POINT#	X	Y
1:	-0.304	1.226
2:	-0.323	0.776
3:	0.122	0.475
4:	-0.233	0.124
5:	0.029	-0.402
6:	-0.226	-0.529
7:	0.767	-0.944
8:	0.809	-1.246
9:	1.266	-0.832
10:	0.624	-1.091

X CENTROID: 0.253

Y CENTROID: -0.244

POA TO CENTROID: 0.352

HORZ SPREAD: 1.589

VERT SPREAD: 2.472

GROUP SPREAD: 2.711

MIN RADIUS: 0.274

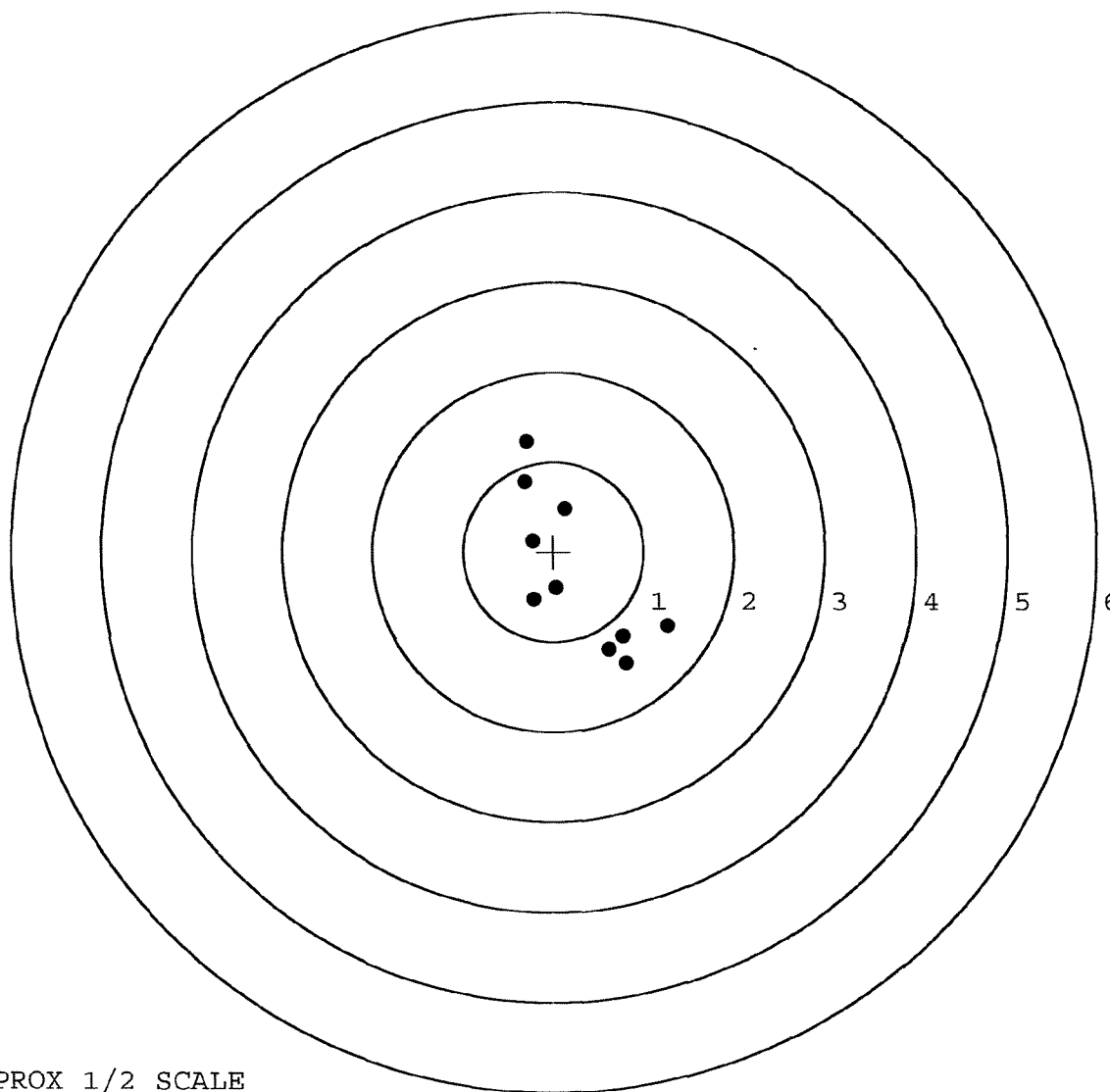
MAX RADIUS: 1.572

MEAN RADIUS: 0.903

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349162. __0

TARGET NUMBER: 2

FILE DATE: 11/15/2004

FILE TIME: 10:44

POINT#	X	Y
1:	0.507	0.539
2:	0.618	0.078
3:	0.348	-0.044
4:	0.104	-0.183
5:	-0.253	-0.562
6:	-0.880	-0.361
7:	-0.780	-0.048
8:	-0.256	0.495
9:	-0.314	0.192
10:	0.015	0.009

X CENTROID: -0.089

Y CENTROID: 0.012

POA TO CENTROID: 0.090

HORZ SPREAD: 1.498

VERT SPREAD: 1.101

GROUP SPREAD: 1.653

MIN RADIUS: 0.104

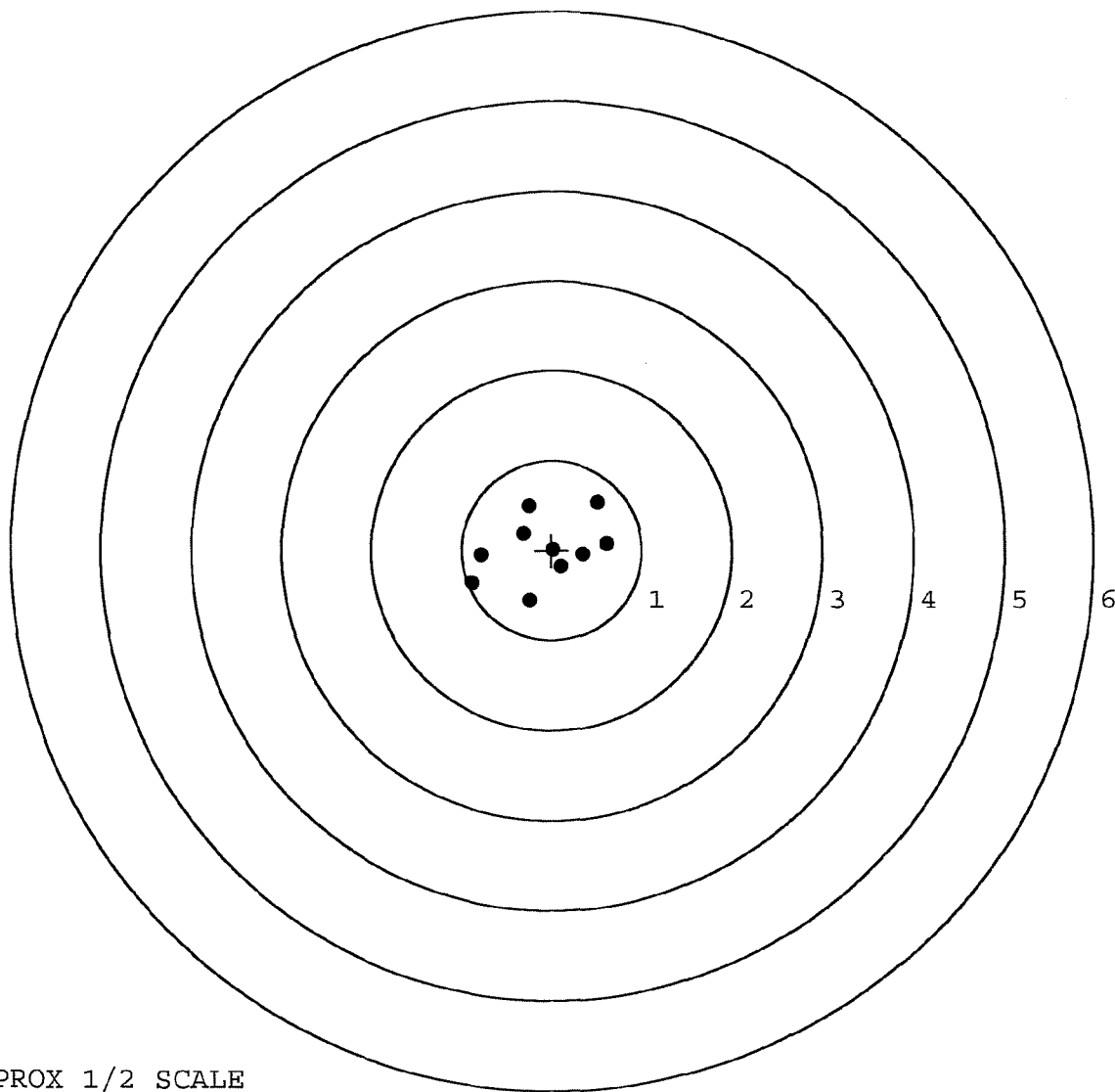
MAX RADIUS: 0.874

MEAN RADIUS: 0.529

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349162. __0

TARGET NUMBER: 3

FILE DATE: 11/15/2004

FILE TIME: 10:44

POINT#	X	Y
1:	-0.205	0.501
2:	-0.876	0.449
3:	-0.677	-0.696
4:	-0.267	-0.217
5:	0.080	-0.187
6:	0.263	0.095
7:	-0.025	0.156
8:	-0.103	-0.090
9:	0.065	-0.005
10:	-0.003	0.100

X CENTROID: -0.175

Y CENTROID: 0.011

POA TO CENTROID: 0.175

HORZ SPREAD: 1.139

VERT SPREAD: 1.197

GROUP SPREAD: 1.287

MIN RADIUS: 0.124

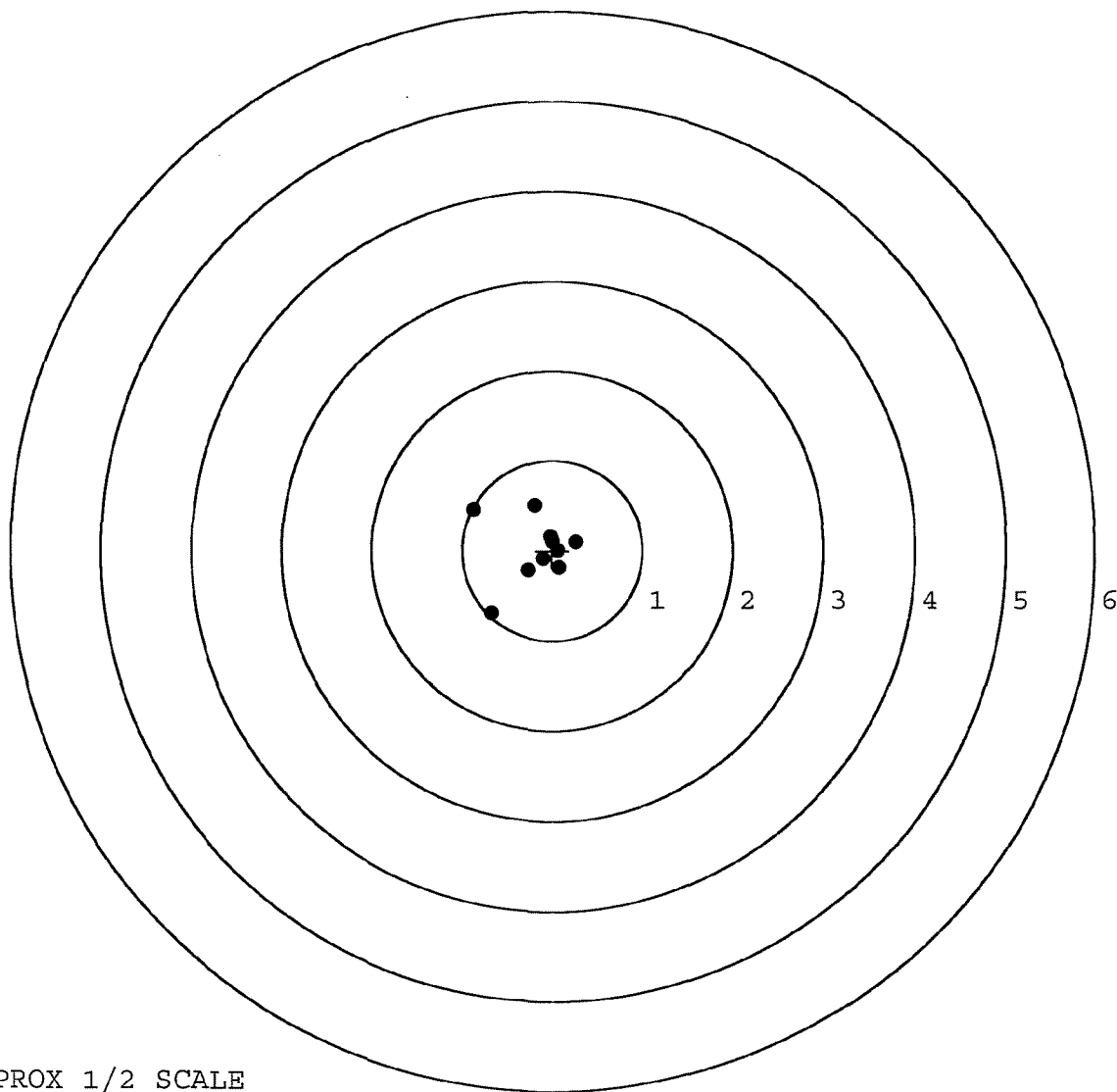
MAX RADIUS: 0.867

MEAN RADIUS: 0.397

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349162. __0

TARGET NUMBER: 4

FILE DATE: 11/15/2004

FILE TIME: 10:44

X CENTROID: -0.392

Y CENTROID: 0.017

POA TO CENTROID: 0.392

HORZ SPREAD: 2.177

VERT SPREAD: 1.396

GROUP SPREAD: 2.225

MIN RADIUS: 0.184

MAX RADIUS: 1.356

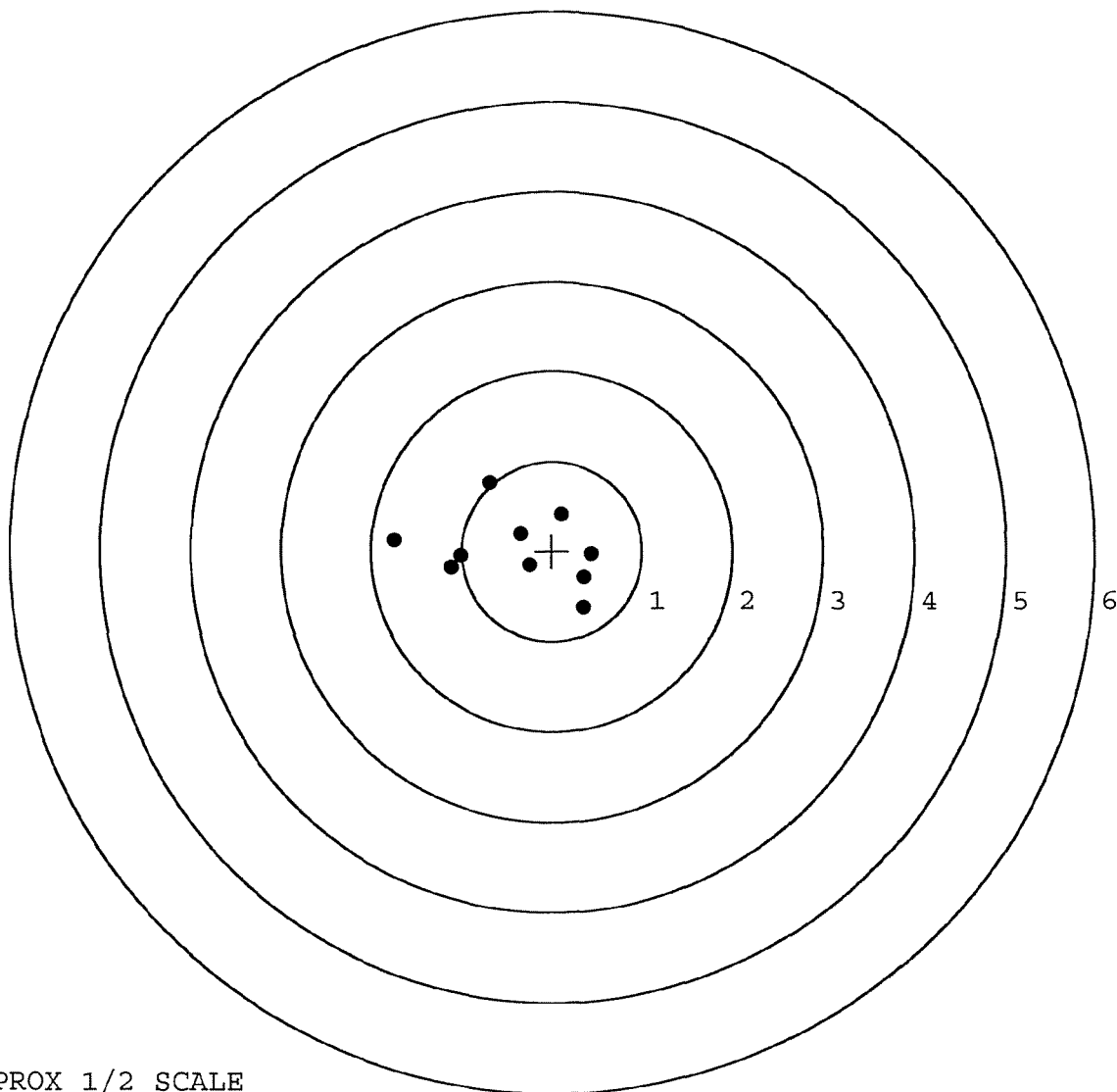
MEAN RADIUS: 0.720

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.103	0.411
2:	0.434	-0.030
3:	0.354	-0.287
4:	0.349	-0.625
5:	-0.251	-0.158
6:	-0.350	0.196
7:	-1.120	-0.183
8:	-1.743	0.133
9:	-0.688	0.771
10:	-1.008	-0.058



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349162. 0

TARGET NUMBER: 5

FILE DATE: 11/15/2004

FILE TIME: 10:44

POINT#	X	Y
1:	0.122	0.557
2:	0.128	0.407
3:	0.099	0.070
4:	-0.289	-0.331
5:	0.917	0.104
6:	0.699	-0.039
7:	0.652	-0.438
8:	-0.282	0.873
9:	-0.610	0.813
10:	-0.477	0.673

X CENTROID: 0.096

Y CENTROID: 0.269

POA TO CENTROID: 0.285

HORZ SPREAD: 1.527

VERT SPREAD: 1.311

GROUP SPREAD: 1.777

MIN RADIUS: 0.142

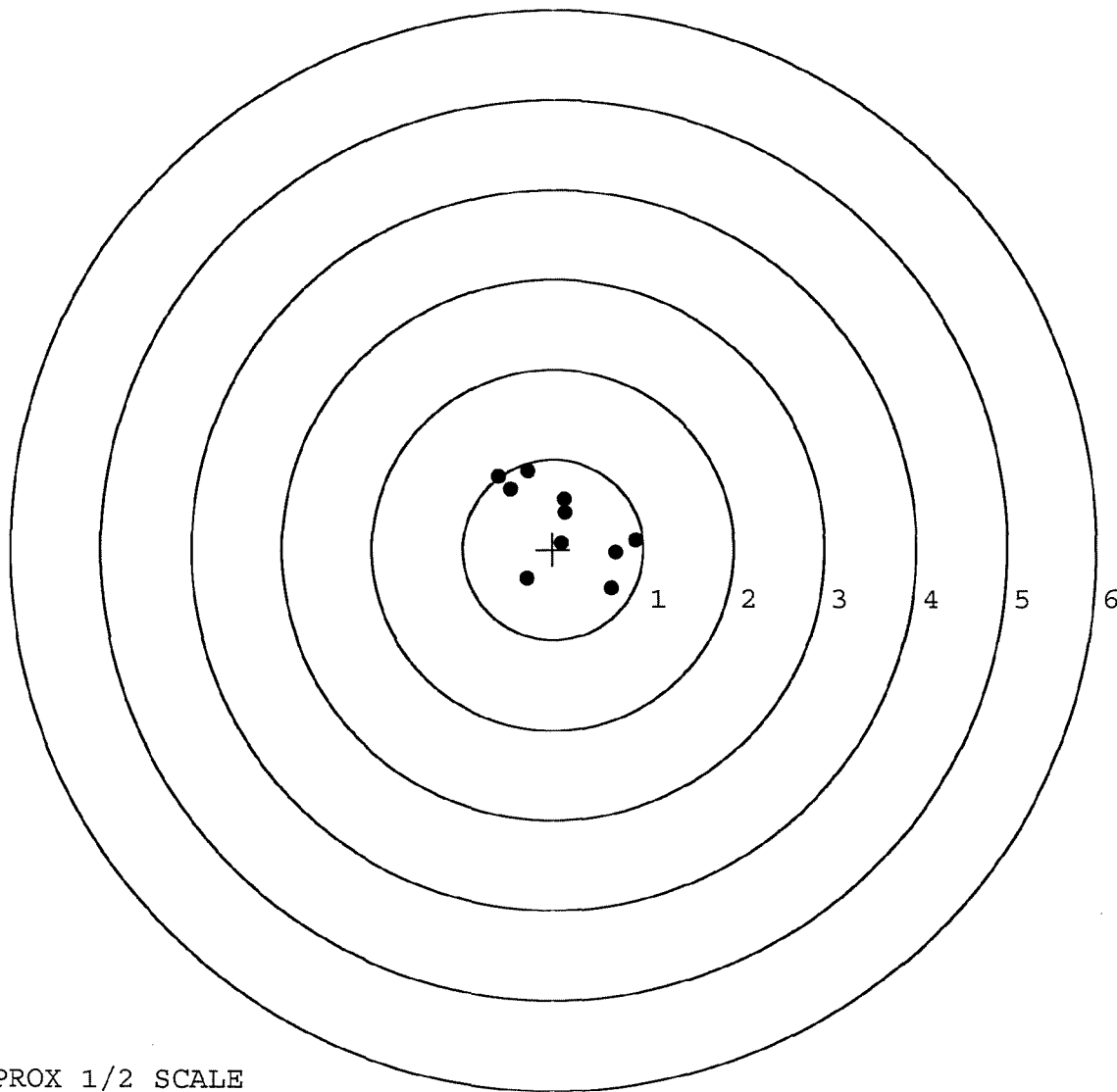
MAX RADIUS: 0.899

MEAN RADIUS: 0.606

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	87050		
SERIAL NUMBER	C-6349162		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10/29/04	DA
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11/5/04	DA
618	ROTO-BLAST	11-1-04	CB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-12-04	RTL
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-15-04	AC
655	FINAL INSPECT	11-17-04	AC
660	PACK	11/18/04	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349162

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	AC
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		10/13/89	K.C.R
	Magnaflux Bolt		10/13/89	K.C.R
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		LB
618	Polish Barrel <i>RLB</i>	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-3-89	AL

BARBER - M24 0109121					DATE	INIT		
op. #	OP. NAME	READINGS						
625 cont.	F) Safety On Force	5	5	5	11/6/89	gll		
	G) Safety Off Force	4	4	4	11/6/89	gll		
	H) Trigger Pull Test & Retainability				11-3-89	gll		
	I) Firing Pin Indent	.022	.0215	.0215	11/6/89	gll		
	J) Assemble Stock				11/6/89	RW		
	K) Assemble Swivel Studs				11/6/89	JD		
	L) Attach Front and Rear Sight Assemblies				11/6/89	RW		
	M) Iron Sight Alignment				11/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/6/89	RW		
	O) Attach Scope to Rifle				11-8-89	gll		
	P) Detach & Attach Scope 20 Times				11-8-89	gll		
640	Gallery Target & Test				11-13-89	DH		
	A) Time				11-13-89	DH		
	B) Malfunctions				11-13-89	DH		
	C) Pierced Primers				11-13-89	DH		
	D) Optical Clarity of Scope				11-13-89	DH		
645	Inspect for Live Ammo				11-13-89	DH		
655	Final Inspection							
	A) Headspace				14/10/89	JD		
	B) Trigger Pull	267	281	278	280	271	14/10/89	JD
	C) Function						14/10/89	JD
660	Pack						14/10/89	JD

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 9162

DATE 23 March 90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	232	237		241	MIN. SETTING,
PULL #2	238	236		234	NO AVG. OF 5
PULL #3	230	236		232	READINGS ACCEPT-
PULL #4	233	236		235	ABLE LESS THAN 2#
PULL #5	238	236		231	
TOTAL	1171	1181			
AVG.	234.2	236.2			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	299	295		
PULL #2	298	294		
PULL #3	284	296		
PULL #4	293	296		
PULL #5	297	288		
TOTAL	1471	1469		
AVG.	294.2	293.8		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	406	403		
PULL #2	402	382		
PULL #3	407	401		
PULL #4	400	402		
PULL #5	403	402		
TOTAL	2018	1990		
AVG.	403.6	398		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349162
13 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.4986
1 TO	2	.273542
1 TO	3	.582568
1 TO	4	.892121
1 TO	5	.92466

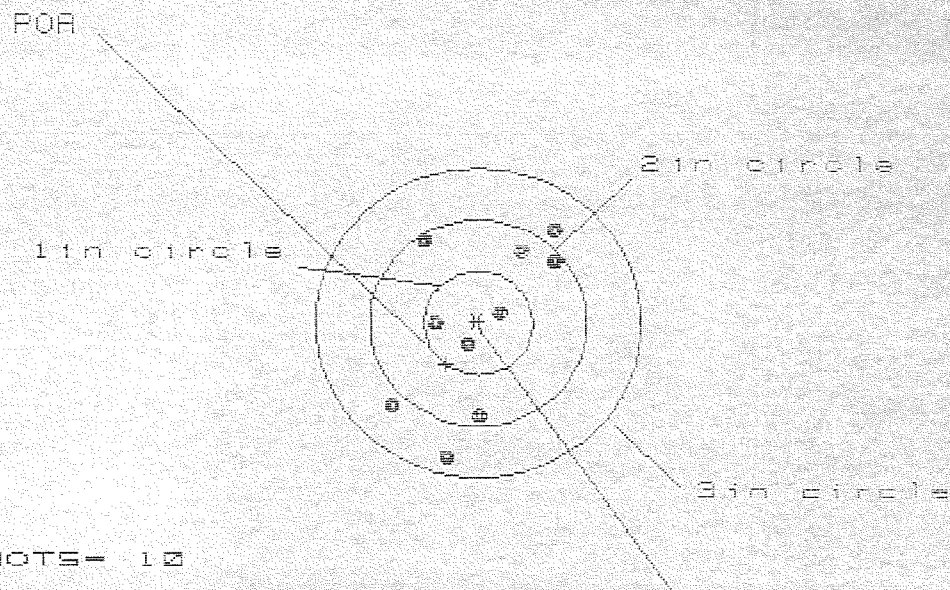
$\frac{1}{n} \sum_{i=1}^n x_i$
 $\frac{1}{n} \sum_{i=1}^n y_i$
 $\frac{1}{n} \sum_{i=1}^n r_i$
 $\frac{1}{n} \sum_{i=1}^n r_i^2$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2362
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.126
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .267796
 THE AMR FOR THIS RIFLE IS: .9476

13 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349162

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.585

VS= 2.258

GS= 2.494

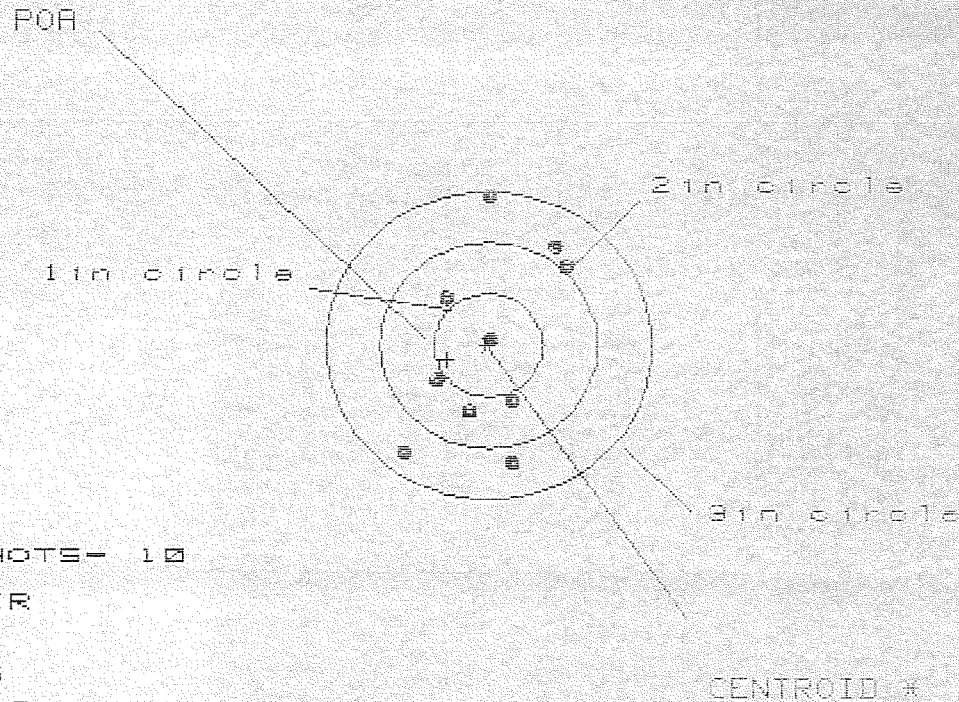
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.748	.713	.802
MINIMUM X	-.837	-.872	-.783
MAXIMUM Y	.942	.795	.705
MINIMUM Y	-1.317	-1.040	-.940
CENTROID X	.299	.334	.245
CENTROID Y	.399	.545	.445
POA TO CENTROID in.	.498	.639	.508
MIN RADIUS	.199	.171	.222
MEAN RADIUS	.807	.740	.687
MAX RADIUS	1.353	1.281	1.147
HORIZONTAL SPREAD	1.585	1.585	1.585
VERTICAL SPREAD	2.258	1.835	1.645
EXTREME SPREAD	2.494	2.345	2.113
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

13 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349182

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.436

VS= 2.641

GS= 2.653

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.674	.672	.577
MINIMUM X	:	-.762	-.764	-.573
MAXIMUM Y	:	1.464	1.168	1.056
MINIMUM Y	:	-1.177	-1.014	-1.126
CENTROID X	:	.384	.386	.481
CENTROID Y	:	.139	-.024	.088
POA TO CENTROID in.	:	.409	.386	.409
MIN RADIUS	:	.112	.262	.147
MEAN RADIUS	:	.869	.789	.741
MAX RADIUS	:	1.464	1.334	1.190
HORIZONTAL SPREAD	:	1.436	1.436	1.150
VERTICAL SPREAD	:	2.641	2.182	2.182
EXTREME SPREAD	:	2.653	2.499	2.220
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349162

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 10

HS= 1.819

VS= 2.691

GS= 2.746

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.864	.830	.917
MINIMUM X	:	-.955	-.989	-.982
MAXIMUM Y	:	1.237	1.075	.907
MINIMUM Y	:	-1.454	-1.459	-1.627
CENTROID X	:	.174	.208	.121
CENTROID Y	:	-.170	-.008	.159
POA TO CENTROID in.	:	.243	.208	.200
MIN RADIUS	:	.550	.491	.593
MEAN RADIUS	:	1.155	1.097	1.016
MAX RADIUS	:	1.485	1.510	1.663
HORIZONTAL SPREAD	:	1.819	1.819	1.819
VERTICAL SPREAD	:	2.691	2.534	2.534
EXTREME SPREAD	:	2.746	2.746	2.648
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349162

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.413

VS = 2.569

GS = 2.683

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.905	.738	.634
MINIMUM X	:	-1.508	-.830	-.778
MAXIMUM Y	:	1.206	1.211	1.150
MINIMUM Y	:	-1.363	-1.358	-1.207
CENTROID X	:	.165	.332	.436
CENTROID Y	:	-.483	-.488	-.639
POA TO CENTROID in.	:	.510	.590	.774
MIN RADIUS	:	.377	.246	.158
MEAN RADIUS	:	1.015	.939	.854
MAX RADIUS	:	1.508	1.468	1.321
HORIZONTAL SPREAD	:	2.413	1.568	1.412
VERTICAL SPREAD	:	2.569	2.569	2.367
EXTREME SPREAD	:	2.683	2.683	2.496
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349162

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.504

VS= 2.861

GS= 2.980

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.599	.502	.376
MINIMUM X	-.905	-1.002	-.427
MAXIMUM Y	1.328	1.158	1.007
MINIMUM Y	-1.533	-1.201	-.904
CENTROID X	.159	.256	.382
CENTROID Y	-.515	-.345	-.194
POA TO CENTROID in.	.539	.430	.428
MIN RADIUS	.204	.337	.200
MEAN RADIUS	.892	.785	.672
MAX RADIUS	1.765	1.565	1.044
HORIZONTAL SPREAD	1.504	1.504	.803
VERTICAL SPREAD	2.861	2.359	1.911
EXTREME SPREAD	2.980	2.574	1.911
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

Remington®

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

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

DUPONT

MODEL 700™ H24

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

SERIAL NO.
C6349162

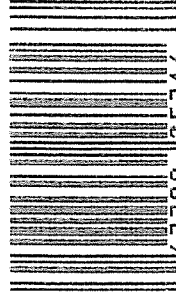
ORDER NO.
5716

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5716 C6349162

UPC



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