

C6348766

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00085646** Serial: C6348766 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:37:03 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **C CO SPT BN 1ST SWTG A** **C CO SPT BN 1ST SWTG A**

Address 1: **AHN ARMAMENT FACILITY** **AHN ARMAMENT FACILITY**

Address 2: PO Box: PO Box:

City: **FT BRAGG** **FT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** 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 Studs	3
A010	Hard Case	1
A017	Scope Bases	3

naglet 9/28/2004 2:52 PM CAPS NUM INS SCPL

start 2 3 4

Serial Number: **C6348766**

Model: **M24 SWS**



RE00085646

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348766.___0
FILE DATE AND TIME: 10/29/2004 07:07

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.084
The Average Y Centroid of the Five Target Set:	-0.027
The Average Point of Impact of the Five Target Set:	0.088
The Average Mean Radius of the Five Target Set:	0.871
The Distance from POA to Centroid Target #1:	0.315
The Distance from Centroid Target #2 to Centroid Target #1:	0.575
The Distance from Centroid Target #3 to Centroid Target #1:	0.492
The Distance from Centroid Target #4 to Centroid Target #1:	0.288
The Distance from Centroid Target #5 to Centroid Target #1:	0.157

SERIAL NUMBER: C6348766. __0

TARGET NUMBER: 1

FILE DATE: 10/29/2004

FILE TIME: 07:07

POINT#	X	Y
1:	0.160	-1.433
2:	-0.963	-1.130
3:	0.403	0.459
4:	-0.192	0.328
5:	-0.094	-0.576
6:	-0.238	-0.119
7:	0.060	-0.390
8:	0.199	-0.047
9:	-0.012	0.089
10:	-0.017	-0.249

X CENTROID: -0.069

Y CENTROID: -0.307

POA TO CENTROID: 0.315

HORZ SPREAD: 1.366

VERT SPREAD: 1.892

GROUP SPREAD: 2.095

MIN RADIUS: 0.078

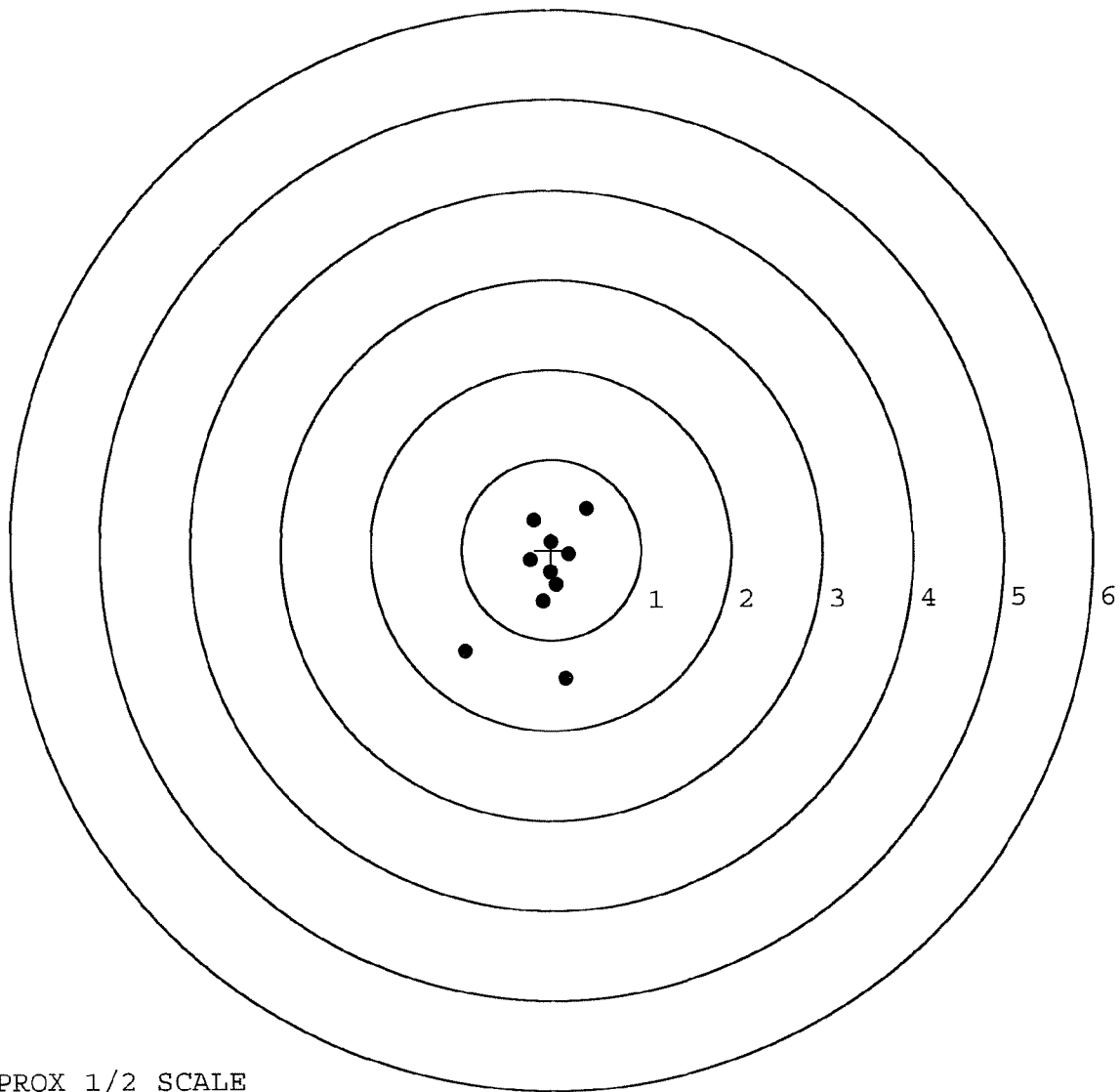
MAX RADIUS: 1.215

MEAN RADIUS: 0.544

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

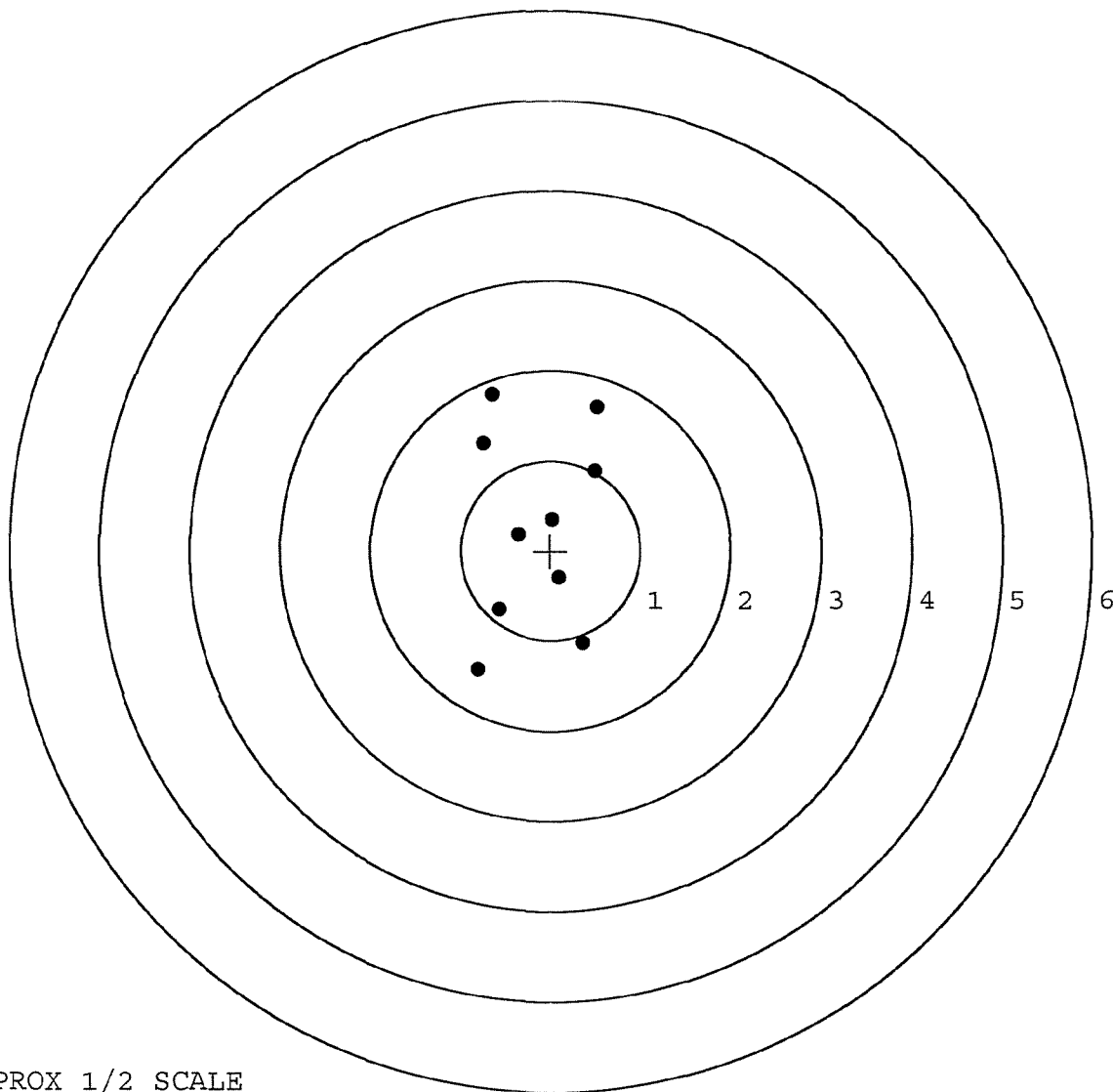


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348766. __0
TARGET NUMBER: 2
FILE DATE: 10/29/2004
FILE TIME: 07:07

POINT#	X	Y
1:	0.365	-1.028
2:	-0.570	-0.661
3:	-0.813	-1.332
4:	0.100	-0.301
5:	0.018	0.349
6:	0.499	0.888
7:	0.522	1.597
8:	-0.651	1.730
9:	-0.750	1.187
10:	-0.364	0.174

X CENTROID: -0.164
Y CENTROID: 0.260
POA TO CENTROID: 0.308
HORZ SPREAD: 1.335
VERT SPREAD: 3.062
GROUP SPREAD: 3.219
MIN RADIUS: 0.203
MAX RADIUS: 1.719
MEAN RADIUS: 1.022
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

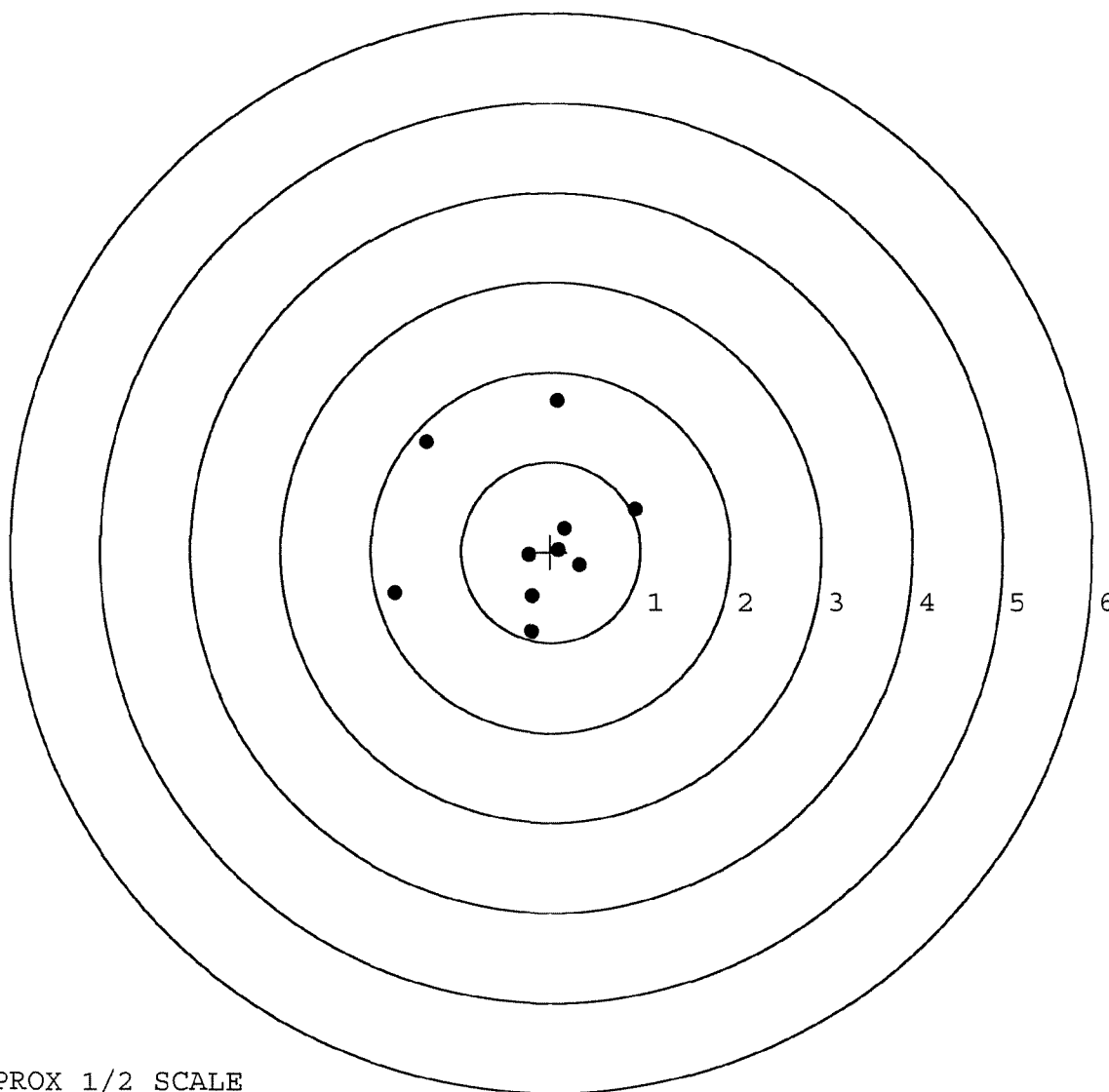


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348766.___0
TARGET NUMBER: 3
FILE DATE: 10/29/2004
FILE TIME: 07:07

POINT#	X	Y
1:	-0.215	-0.881
2:	-0.212	-0.491
3:	-0.246	-0.037
4:	0.325	-0.149
5:	0.153	0.255
6:	0.089	0.020
7:	0.938	0.468
8:	-1.730	-0.466
9:	-1.380	1.216
10:	0.075	1.680

X CENTROID: -0.220
Y CENTROID: 0.162
POA TO CENTROID: 0.273
HORZ SPREAD: 2.668
VERT SPREAD: 2.561
GROUP SPREAD: 2.827
MIN RADIUS: 0.200
MAX RADIUS: 1.635
MEAN RADIUS: 0.920
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

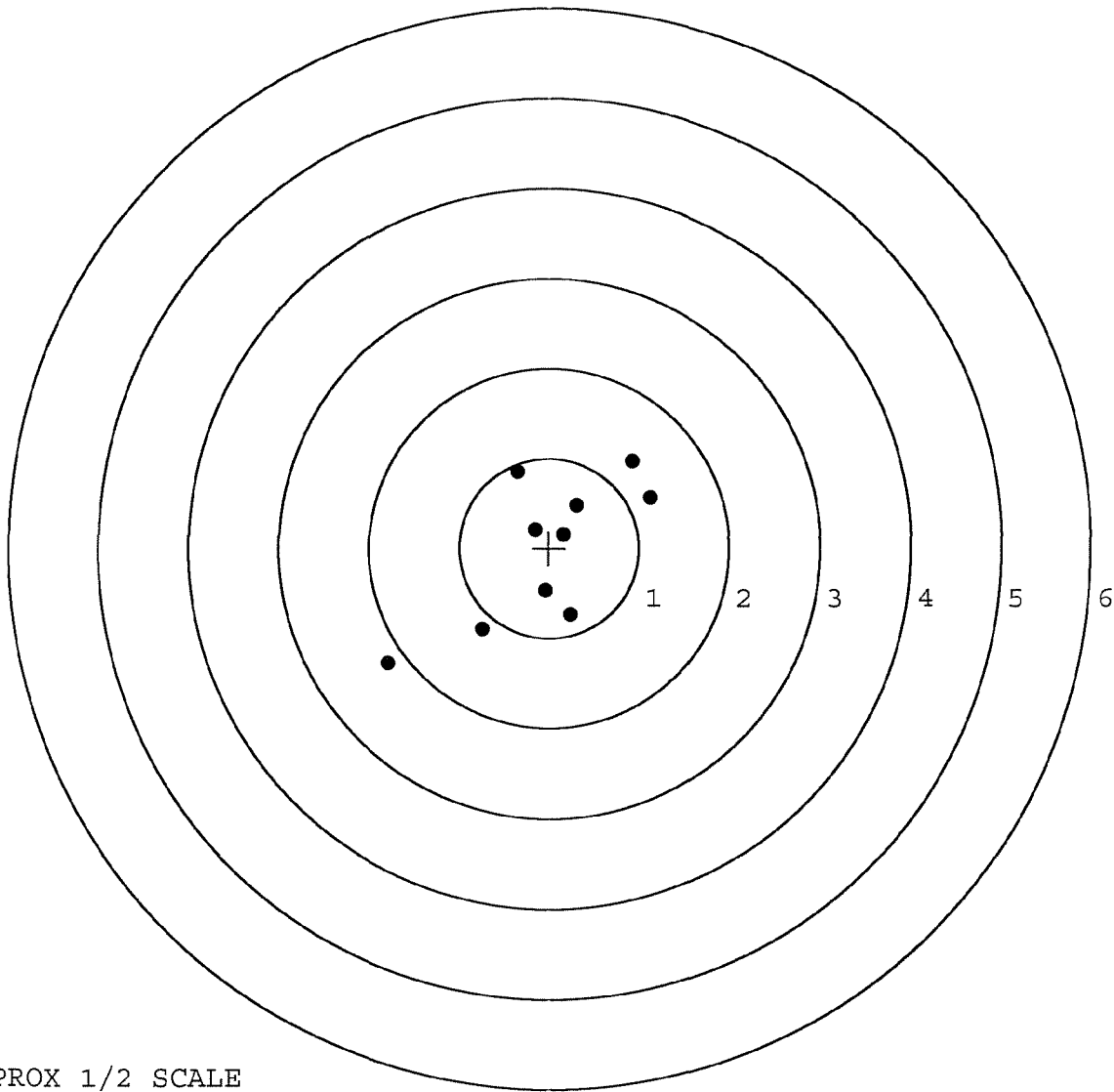


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348766.___0
TARGET NUMBER: 4
FILE DATE: 10/29/2004
FILE TIME: 07:07

POINT#	X	Y
1:	0.243	-0.743
2:	-0.040	-0.475
3:	-0.741	-0.913
4:	-1.792	-1.290
5:	1.124	0.565
6:	0.924	0.969
7:	-0.348	0.848
8:	0.301	0.475
9:	0.159	0.151
10:	-0.164	0.205

X CENTROID: -0.033
Y CENTROID: -0.021
POA TO CENTROID: 0.039
HORZ SPREAD: 2.916
VERT SPREAD: 2.259
GROUP SPREAD: 3.533
MIN RADIUS: 0.258
MAX RADIUS: 2.169
MEAN RADIUS: 0.925
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

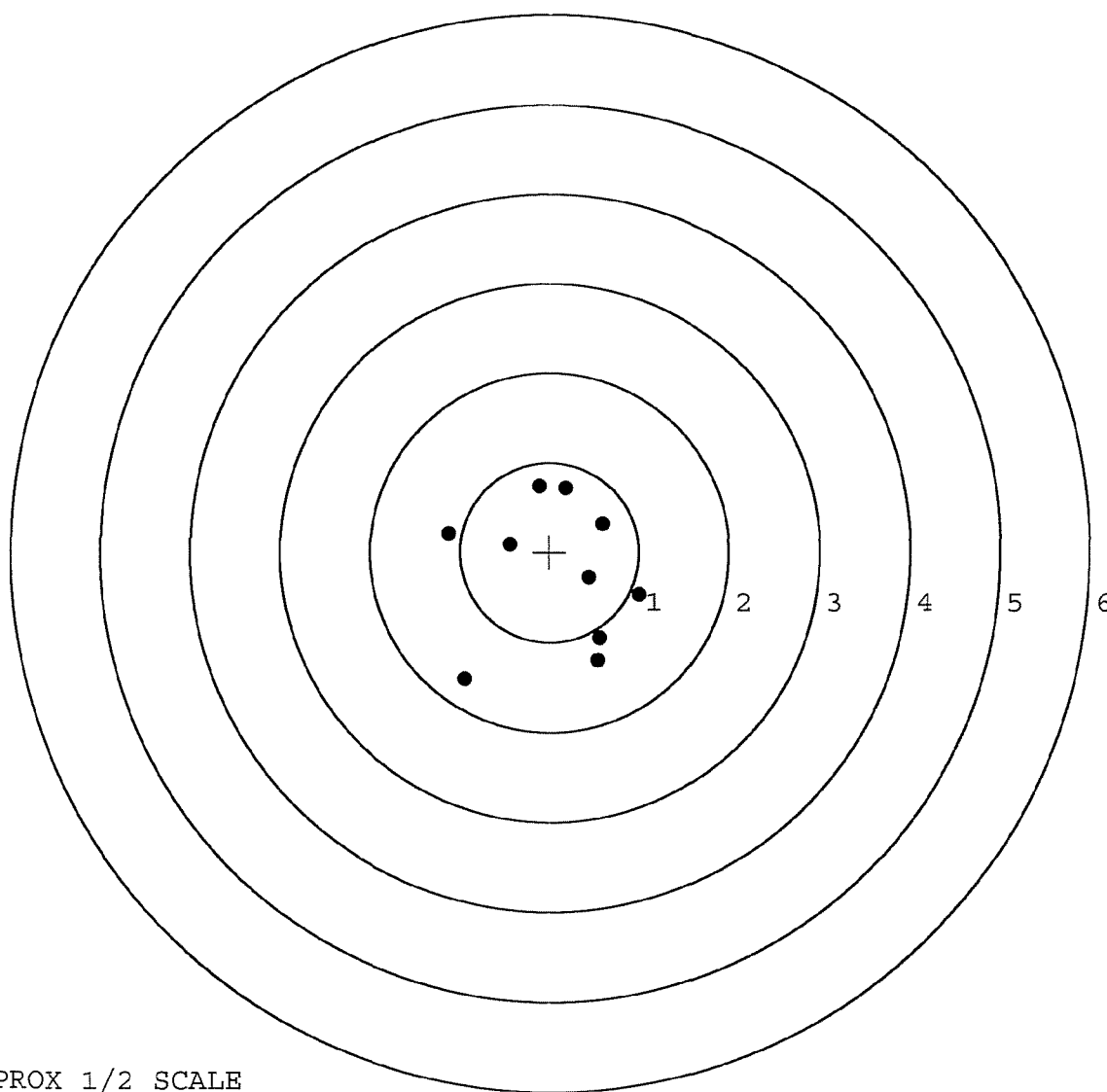


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348766.___0
TARGET NUMBER: 5
FILE DATE: 10/29/2004
FILE TIME: 07:07

POINT#	X	Y
1:	0.544	-1.204
2:	1.002	-0.476
3:	0.441	-0.286
4:	0.587	0.315
5:	0.177	0.719
6:	-0.123	0.736
7:	-0.443	0.084
8:	-1.128	0.201
9:	-0.948	-1.418
10:	0.562	-0.956

X CENTROID: 0.067
Y CENTROID: -0.228
POA TO CENTROID: 0.238
HORZ SPREAD: 2.130
VERT SPREAD: 2.154
GROUP SPREAD: 2.415
MIN RADIUS: 0.378
MAX RADIUS: 1.564
MEAN RADIUS: 0.943
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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 10-13-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.58	2.85		2.17	
PULL #2	2.74	2.93		2.27	
PULL #3	2.82	2.83		2.30	
PULL #4	2.82	2.63		2.27	
PULL #5	2.78	2.85		2.26	
TOTAL	13.74	14.09		11.27	
AVERAGE	2.74	2.81		2.25	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.11		
PULL #2	3.24	2.99		
PULL #3	3.29	3.07		
PULL #4	3.29	3.08		
PULL #5	3.33	3.07		
TOTAL	16.48	15.32		
AVERAGE	3.29	3.06		

	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	4.25	4.01		4.38
PULL #2	4.17	4.25		4.39
PULL #3	4.14	4.26		4.34
PULL #4	4.11	4.58		4.37
PULL #5	4.02	4.39		4.33
TOTAL	20.69	21.49		21.81
AVERAGE	4.13	4.29		4.36

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

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

R & E NUMBER	85646		
SERIAL NUMBER	C 6348766		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-7-04	AC
560 A	RE-BARREL	10-8-04	AC
B	DRILL AND TAP	10-12-04	TRW
575	ASSEMBLE	10-8-04	RTL
600	PROOF	10-11-04	AC
605	CHECK HEADSPACE	10-12-04	RTL
610	DIS-ASSEMBLE GUN	10-12-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10/13/04	CW
618	ROTO-BLAST	10/14/04	LB
620	APPLY COATINGS	10/25/04	#
625 A	FINAL ASSEMBLY	10-28-04	RTL
B	TRIGGER PULL TEST	11-2-04	DA
C	SAFETY "ON" FORCE	11-2-04	DA
D	SAFETY "OFF" FORCE	11-2-04	DA
E	FIRING PIN INDENT	11-2-04	DA
640	TARGET	10-29-04	TRW
655	FINAL INSPECT	11-3-04	AC
660	PACK	11-4-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6348766

ORDER NO.
5716

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

01



5716 C6348766

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348766

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	7/25/89	RW
600	Proof		7/25/89	RW
607	Check Headspace		7/25/89	RW
610	Dis-assemble Gun		7/25/89	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes		7/27/89	WC
618	Polish Barrel RB		7/31/89	WB
620	Apply Coatings (Barrel Action)		8-2-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/7/89	RW
	C) Inspect Ejector Hole for Chamfer		8/7/89	RW
	D) Oil Firing Pin Ass'y		8/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8 Aug 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			8 Aug 89	JS
	G) Safety Off Force	4	4	4			8 Aug 89	JS
	H) Trigger Pull Test & Retainability						8 Aug 89	JS
	I) Firing Pin Indent	.022	.022	.022			8 Aug 89	JS
	J) Assemble Stock						8/9/89	RW
	K) Assemble Swivel Studs						16 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/9/89	RW
	M) Iron Sight Alignment						8/9/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/9/89	RW
	O) Attach Scope to Rifle						10 Aug 89	JS
	P) Detach & Attach Scope 20 Times						10 Aug 89	JS
640	Gallery Target & Test	86 R	65 L				8-15-89	DH
	A) Time						8-15-89	DH
	B) Malfunctions						8-15-89	DH
	C) Pierced Primers						8-15-89	DH
	D) Optical Clarity of Scope						8-15-89	DH
645	Inspect for Live Ammo						8-15-89	DH
655	Final Inspection						16 Aug 89	JS
	A) Headspace						16 Aug 89	JS
	B) Trigger Pull	2.13	2.08	2.07	2.14	2.08	16 Aug 89	JS
	C) Function						16 Aug 89	JS
660	Pack						19 Sep 89	JS

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348766
16 Aug 1989

CENTROIDAL DISTANCES

0 TO	1	.410962
1 TO	2	.606469
1 TO	3	.0824621
1 TO	4	.63324
1 TO	5	.373551

4
100

-----POB

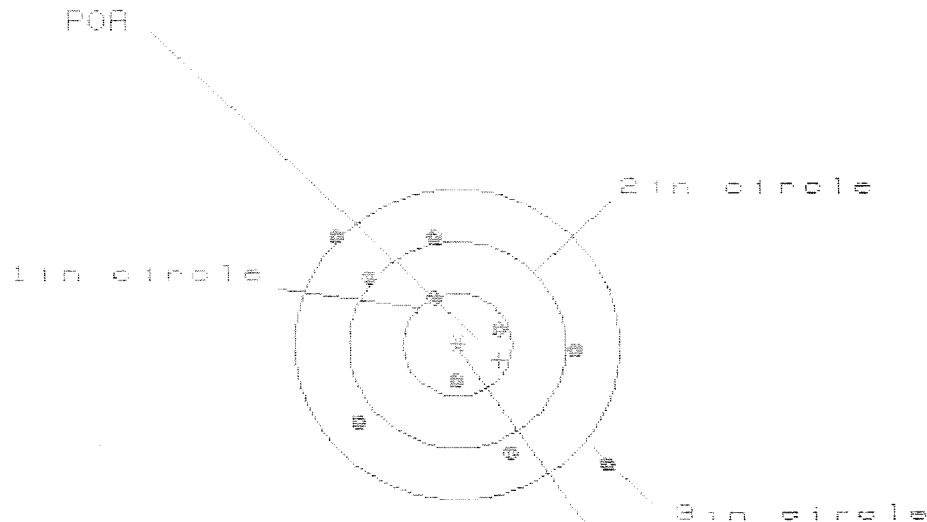
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1892
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0792
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .205108
THE AMP FOR THIS RIFLE IS: 1.05

15 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348786

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 3

2in = 3

3in = 8

HS= 2.497

VS= 2.259

GS= 3.357

CENTROID #

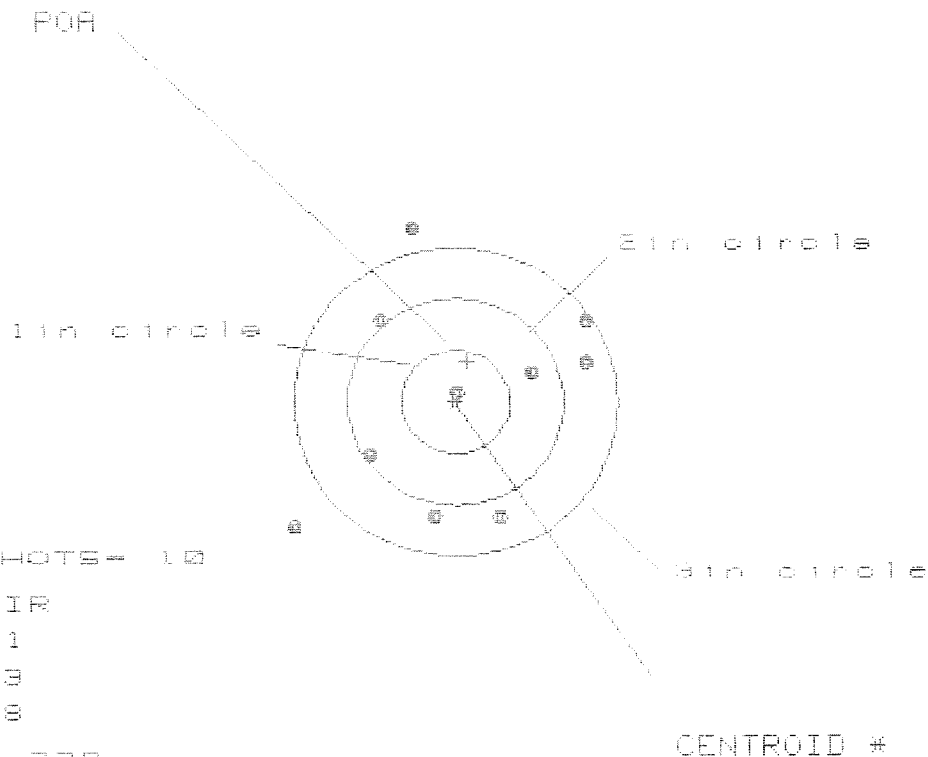
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.357	1.262	1.139
MINIMUM X	-1.148	-0.990	-0.985
MAXIMUM Y	1.096	0.967	1.086
MINIMUM Y	-1.163	-1.211	-1.092
CENTROID X	-0.383	-0.533	-0.409
CENTROID Y	0.149	0.278	0.159
POR TO CENTROID in.	0.410	0.601	0.439
MIN RADIUS	0.340	0.318	0.352
MEAN RADIUS	1.031	0.933	0.870
MAX RADIUS	1.787	1.373	1.288
HORIZONTAL SPREAD	2.497	2.252	2.044
VERTICAL SPREAD	2.259	2.178	2.176
EXTREME SPREAD	3.357	2.708	2.301
NUMBER IN ONE INCH CIRCLE =	3	3	3
NUMBER IN TWO INCH CIRCLE =	3	3	3
NUMBER IN THREE INCH CIRCLE =	8	8	8

16 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348788

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.738

VS= 2.855

GS= 3.305

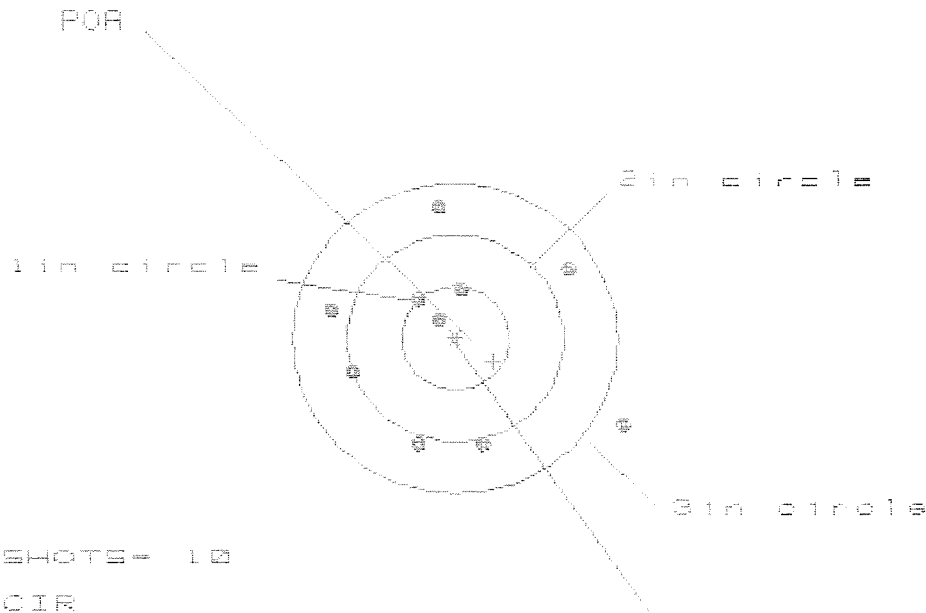
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.201	1.030	.961
MINIMUM X	-1.537	-.933	-1.002
MAXIMUM Y	1.692	1.562	.817
MINIMUM Y	-1.163	-1.278	-1.082
CENTROID X	-.105	.066	.135
CENTROID Y	-.390	-.260	-.456
POA TO CENTROID in.	.404	.268	.475
MIN RADIUS	.063	.169	.257
MEAN RADIUS	1.145	1.048	.965
MAX RADIUS	1.928	1.657	1.248
HORIZONTAL SPREAD	2.738	1.963	1.963
VERTICAL SPREAD	2.855	2.840	1.899
EXTREME SPREAD	3.305	2.919	2.317
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

16 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06948766

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

1st = 2.707

2nd = 2.876

3rd = 2.900

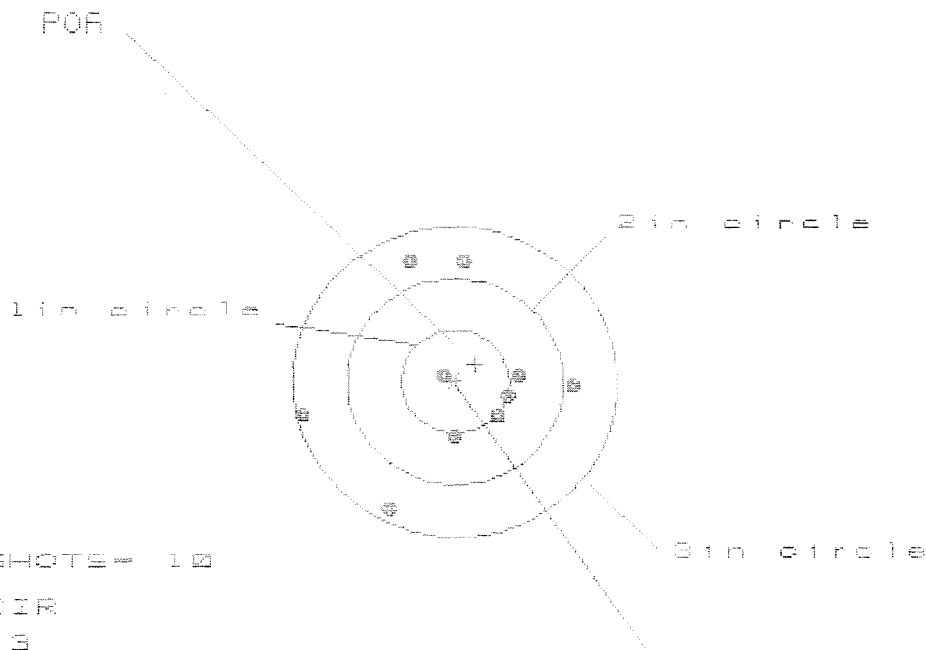
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.584	1.271	1.278
MINIMUM X	-1.123	-.947	-.948
MAXIMUM Y	1.302	1.216	.704
MINIMUM Y	-1.074	-1.160	-1.008
CENTROID X	-.351	-.527	-.534
CENTROID Y	.225	.311	.159
POR TO CENTROID in.	.417	.613	.557
MIN RADIUS	.253	.105	.257
MEAN RADIUS	.981	.844	.817
MAX RADIUS	1.766	1.386	1.459
HORIZONTAL SPREAD	2.707	2.218	2.218
VERTICAL SPREAD	2.376	2.376	1.712
EXTREME SPREAD	2.900	2.404	2.250
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

16 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C834B766

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.535

VS = 2.475

GS = 2.547

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.128	.971	.875
MINIMUM X	:	-1.407	-1.767	-1.659
MAXIMUM Y	:	1.310	1.177	1.015
MINIMUM Y	:	-1.265	-1.298	-1.716
CENTROID X	:	-.187	-.030	.066
CENTROID Y	:	-.169	-.136	.026
POA TO CENTROID in.	:	.251	.140	.070
MIN RADIUS	:	.182	.314	.350
MEAN RADIUS	:	.864	.774	.690
MAX RADIUS	:	1.437	1.507	1.210
HORIZONTAL SPREAD	:	2.535	1.738	1.535
VERTICAL SPREAD	:	2.475	2.475	1.731
EXTREME SPREAD	:	2.547	2.518	1.981
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

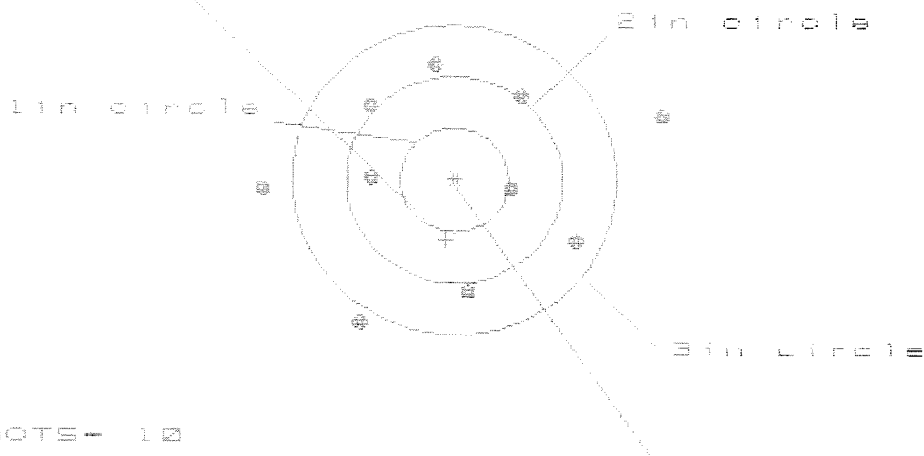
16 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B786

CENTERFIRE PATTERNS

4

POB



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS = 0.670

VS = 0.488

CS = 0.747

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.880	1.377	1.179
MINIMUM X	:	-1.799	-1.591	-1.862
MAXIMUM Y	:	1.148	1.213	1.206
MINIMUM Y	:	-1.340	-1.275	-1.282
CENTROID X	:	.088	-.128	.070
CENTROID Y	:	.581	.516	.523
POB TO CENTROID in.	:	.507	.532	.528
MIN RADIUS	:	.517	.580	.519
MEAN RADIUS	:	1.230	1.140	1.067
MAX RADIUS	:	1.869	1.592	1.545
HORIZONTAL SPREAD	:	3.679	2.968	2.041
VERTICAL SPREAD	:	2.488	2.488	2.488
EXTREME SPREAD	:	3.747	2.999	2.632
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348766

DATE 4-5-90

TESTER JJI

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.30	2.12	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	3.38	2.39	2.21	2.50	
PULL #3	2.27	2.36	2.18	2.34	
PULL #4	2.29	2.41	2.18	2.48	
PULL #5	2.34	2.30	2.15	2.47	
TOTAL	11.52	11.76	10.84	11.93	
AVG.	2.304	2.352	2.168	2.386	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.36		
PULL #2	3.33	3.33		
PULL #3	3.35	3.36		
PULL #4	3.33	3.37		
PULL #5	3.44	3.41		
TOTAL	16.74	16.83		
AVG.	3.348	3.366		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.35		
PULL #2	4.18	4.33		
PULL #3	4.17	4.30		
PULL #4	4.27	4.38		
PULL #5	4.21	4.18		
TOTAL	21.06	21.54		
AVG.	4.212	4.308		

RECEIVING AND ESTIMATING REPORT

COMMENTS

M-24 SNIPER

INITIAL CUSTOMER ORDER NO.

JJM

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

MODEL AND GRADE

ORDER

05/29/90

05/31/90

C6348766

9999

7.62

NATO

R

90-15652

ACCESSORIES

W/STUDS

W/SWIVELS

SOFT CASE

SCOPE BASE

FROM:

TRAFFIC MANAGEMENT OFFICE
BLDG 1702 - BAY 3
MCGUIRE AFB NJ 08641

SHIP TO:

TRAFFIC MANAGEMENT OFFICE
BLDG 1702 - BAY 3
MCGUIRE AFB NJ
08641

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

REPAIR CHARGE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

GUN CONDITION:

☒ NEW

☐ SLIGHTLY WORN

☐ VERY WORN

☐ MISUSED

☐ MARRED

CUSTOMER'S REQUEST

REPLACE TRIGGER ASSY

MAIN FAULT

PARTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RD6925 REV. 6/88

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