

C6523393

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: RE00143910

Serial: C6523393 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 4/1/2008 1:32:04 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPT OF THE ARMY

DEPT OF THE ARMY

Address 1: 1401 ARTILLERY CIRCLE BLDG 978

1401 ARTILLERY CIRCLE BLDG 978

Address 2: PO Box:

PO Box:

City: FT. LEONARD WOOD

FT. LEONARD WOOD

State: MO

Zip Code: 65473

Country: US

State: MO

Zip Code: 65473

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qt
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

4/2/2008

9:33 AM

NUM



Serial Number: C6523393

Model: M24 SWS



RE00143910

Remington®

Factory Repair Instructions

(NOTE: Please print and complete this form, and then include it with your firearm.)

Model Number: <i>M24A1</i>		Serial Number: <i>C6523393</i>	
Are you the original owner?: ☒ YES ☐ NO <i>Contract # DAA620-02-C-0149</i>			
Name: <i>US Army MPS - 577D</i>		Date of Purchase: <i>UNKNOWN</i>	
Address (no PO Boxes): <i>1401 Artillery Circle</i> <i>BLDG 978</i> <i>ATTN: Ramon Velazquez</i>			
City: <i>FT. Leonard Wood</i>		State: <i>MO</i>	Zip: <i>65473</i>
Phone (Daytime): <i>(573) 596-0131 x6-3420</i>		Fax: <i>(573) 596-0747</i>	
E-mail Address: ☐ I would like to receive future e-mail updates from Remington.			
Please describe your problem and date of occurrence: <i>cracked bolt</i>			
Ammunition Information:			
Manufacturer: <i>Military (Lake City)</i>		Type: <i>M118 Match Ball</i>	
Other (i.e. bullet weight/type, shot size, powder):			
Handload Information:			
Powder Used:		Powder Weight:	
Case/Hull Used:		Primer Used:	
Bullet Type/Shot Size:		Reloader Used:	
Firearms Care (Cleaning and Lubrication):			
Brand of cleaning solution used:			
How often do you clean the bore? (Months or Number of rounds)			
How often do you clean the action? (Months or Number of rounds)			
How often do you clean the trigger assembly? (Months or Number of rounds)			
Brand of lubricant used:			
How often do you lubricate the bore? (Months or Number of rounds)			
How often do you lubricate the action? (Months or Number of rounds)			
How often do you lubricate the trigger assembly? (Months or Number of rounds)			
Have you reviewed the cleaning and maintenance recommendations on our web site or in our owners manual? ☐ YES ☐ NO			



DEPARTMENT OF THE ARMY
U.S. ARMY MILITARY POLICE SCHOOL
SPECIAL TACTICS TRAINING DIVISION
FORT LEONARD WOOD, MISSOURI 65473

REPLY TO
ATTENTION OF:

ATSJ-TSS

24 March 2008

MEMORANDUM FOR Remington Arms CO INC

SUBJECT: Repairs M24 Sniper Rifle

1. Request repairs on following M24 Sniper Rifle (SN: C6523369, C6611673, C6523393), the following deficiency's were found by one of are service maintenance personnel.
 - a- CC6523369 – Stock Cracked bolt behind trigger guard.
 - b- C6611673 – Stock Cracked behind trigger guard and in front of comb.
 - c- C6523393 – Cracked bolt.
2. Any question regarding the weapon may be directed to
Email:ramon.velazquez1@conus.army.mil or Phone 573-596-0131 x6-3420 fax :(573)596-0747.
3. POC this action is the undersigned at (573)596-3420.

A handwritten signature in black ink, appearing to read "RAMON VELAZQUEZ", is written over a horizontal line.

RAMON VELAZQUEZ
STTD, GS-07
Supply Technician

Velazquez, Ramon Mr CIV USA TRADOC

From: Thomas, Paul Mr CIV USA IMCOM
Sent: Monday, March 24, 2008 2:19 PM
To: Velazquez, Ramon Mr CIV USA TRADOC
Subject: FW: Request Repair of M24 sniper Rifle (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Shipment approved. See below. Paul

-----Original Message-----

From: West, Kimberly A CIV USA AMC
Sent: Monday, March 24, 2008 2:02 PM
To: Thomas, Paul Mr CIV USA IMCOM; ROCK-TACOM-SNIPER-REPAIR
Cc: Velazquez, Ramon Mr CIV USA TRADOC; Wells, Richard L Mr CIV USA AMC
Subject: RE: Request Repair of M24 sniper Rifle (UNCLASSIFIED)

Thanks, Paul-
Please go ahead and ship your M24s to Remington.
Kim

Kimberly West
TACOM-RI
Rifle & Carbine Team
(309) 782-0926
DSN: 793-0926
kimberly.a.west1@us.army.mil

-----Original Message-----

From: Thomas, Paul Mr CIV USA IMCOM
Sent: Monday, March 24, 2008 12:55 PM
To: ROCK-TACOM-SNIPER-REPAIR
Cc: West, Kimberly A CIV USA AMC; westk@ria.army.mil; Velazquez, Ramon Mr CIV USA TRADOC
Subject: Request Repair of M24 sniper Rifle (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Have three M24's in need of repairs. Request authorization to ship to remington Arms Co Inc., ATTN: Service Dept., 14 Hoefer Avenue, Ilion, NY 13357-1816. Serial numbers are C6523369, C6611673, C6523393.

FTE document number is W80H2G80840003.
AOE document number is W80H2G80840004

POC at unit is Mr. Ramon Velaaque, Comm: 573-596-0131 ext 63420.
POC at property book is the undersigned.

Paul Thomas
Consolidated Property Book Office
ATTN: IMNW-LNW-PB
Director of Logistics, Bldg. 2325
Fort Leonard Wood, MO 65473-8873
Phone: Comm 573-596-0131, ext 6-7678
Fax: 573-596-0867
DSN 581-7678
Email: paul.t.thomas@conus.army.mil

Classification: UNCLASSIFIED
Caveats: NONE
Classification: UNCLASSIFIED
Caveats: NONE

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523393.___0
FILE DATE AND TIME: 04/16/2008 13:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	-0.041
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.758
The Distance from POA to Centroid Target #1:	0.258
The Distance from Centroid Target #2 to Centroid Target #1:	0.222
The Distance from Centroid Target #3 to Centroid Target #1:	0.342
The Distance from Centroid Target #4 to Centroid Target #1:	0.319
The Distance from Centroid Target #5 to Centroid Target #1:	0.258

SERIAL NUMBER: C6523393.___0

TARGET NUMBER: 1

FILE DATE: 04/16/2008

FILE TIME: 13:47

POINT#	X	Y
1:	0.437	0.776
2:	-0.062	0.545
3:	1.242	-0.123
4:	-0.360	0.013
5:	-0.824	-0.248
6:	-1.132	-0.861
7:	0.236	-0.467
8:	0.501	-0.183
9:	0.225	-0.144
10:	-0.132	-1.881

X CENTROID: 0.013

Y CENTROID: -0.257

POA TO CENTROID: 0.258

HORZ SPREAD: 2.374

VERT SPREAD: 2.657

GROUP SPREAD: 2.717

MIN RADIUS: 0.240

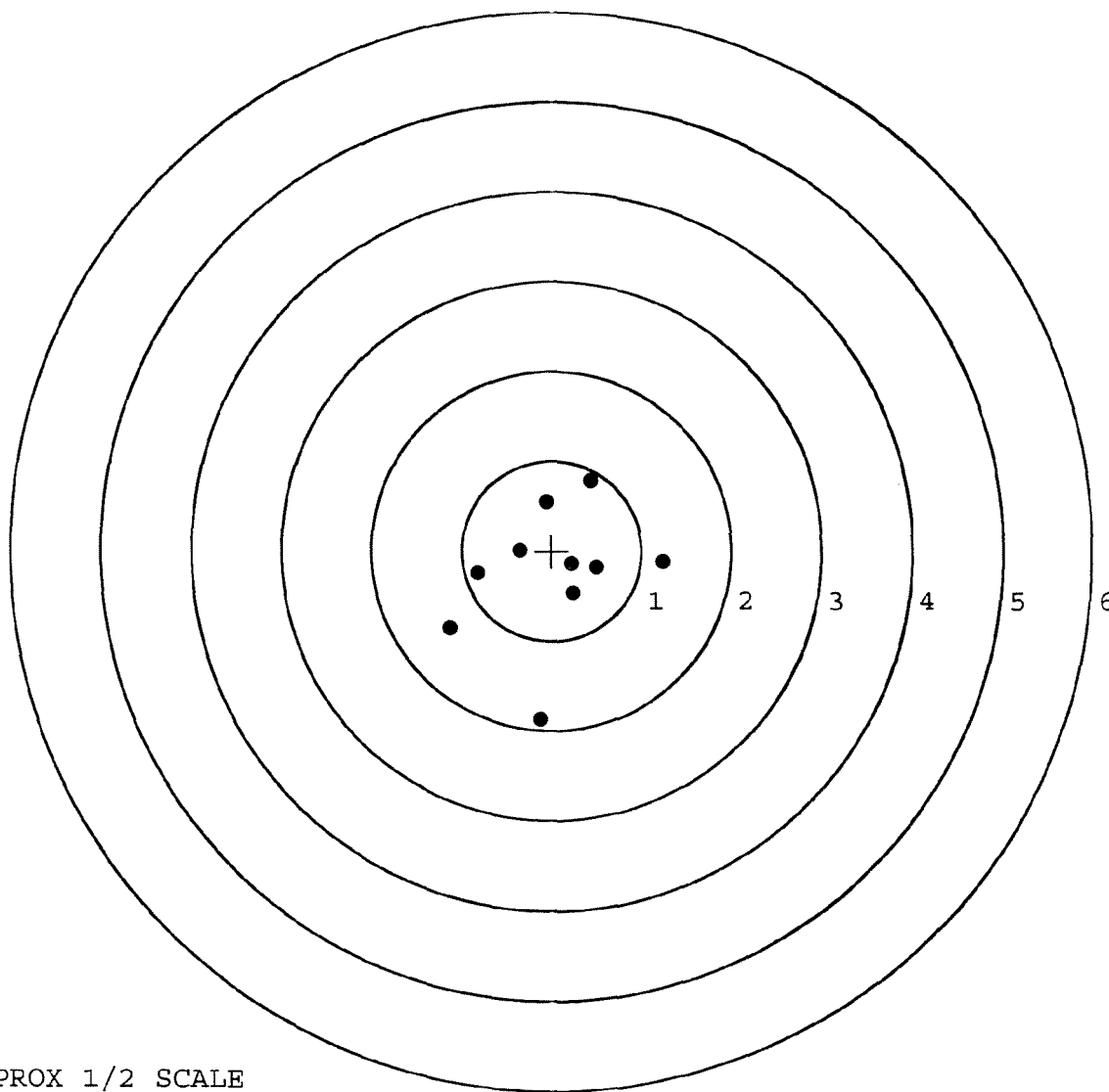
MAX RADIUS: 1.630

MEAN RADIUS: 0.842

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

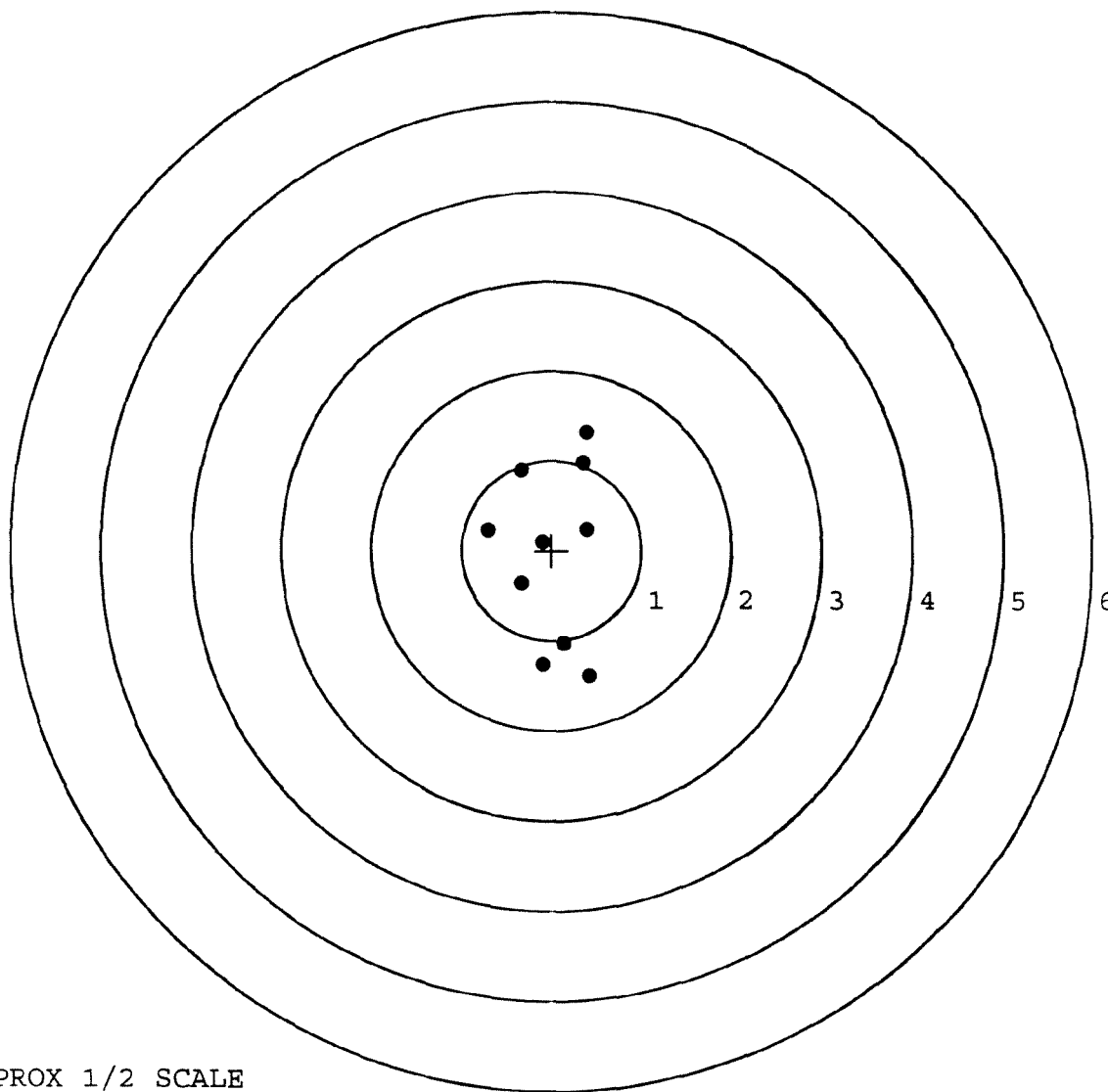


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523393.___0
TARGET NUMBER: 2
FILE DATE: 04/16/2008
FILE TIME: 13:47

X CENTROID: 0.010
Y CENTROID: -0.036
POA TO CENTROID: 0.037
HORZ SPREAD: 1.134
VERT SPREAD: 2.712
GROUP SPREAD: 2.712
MIN RADIUS: 0.178
MAX RADIUS: 1.427
MEAN RADIUS: 0.904
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.393	1.311
2:	0.353	0.975
3:	-0.341	0.891
4:	0.389	0.235
5:	-0.106	0.099
6:	-0.711	0.220
7:	-0.346	-0.373
8:	0.423	-1.401
9:	0.136	-1.038
10:	-0.094	-1.276

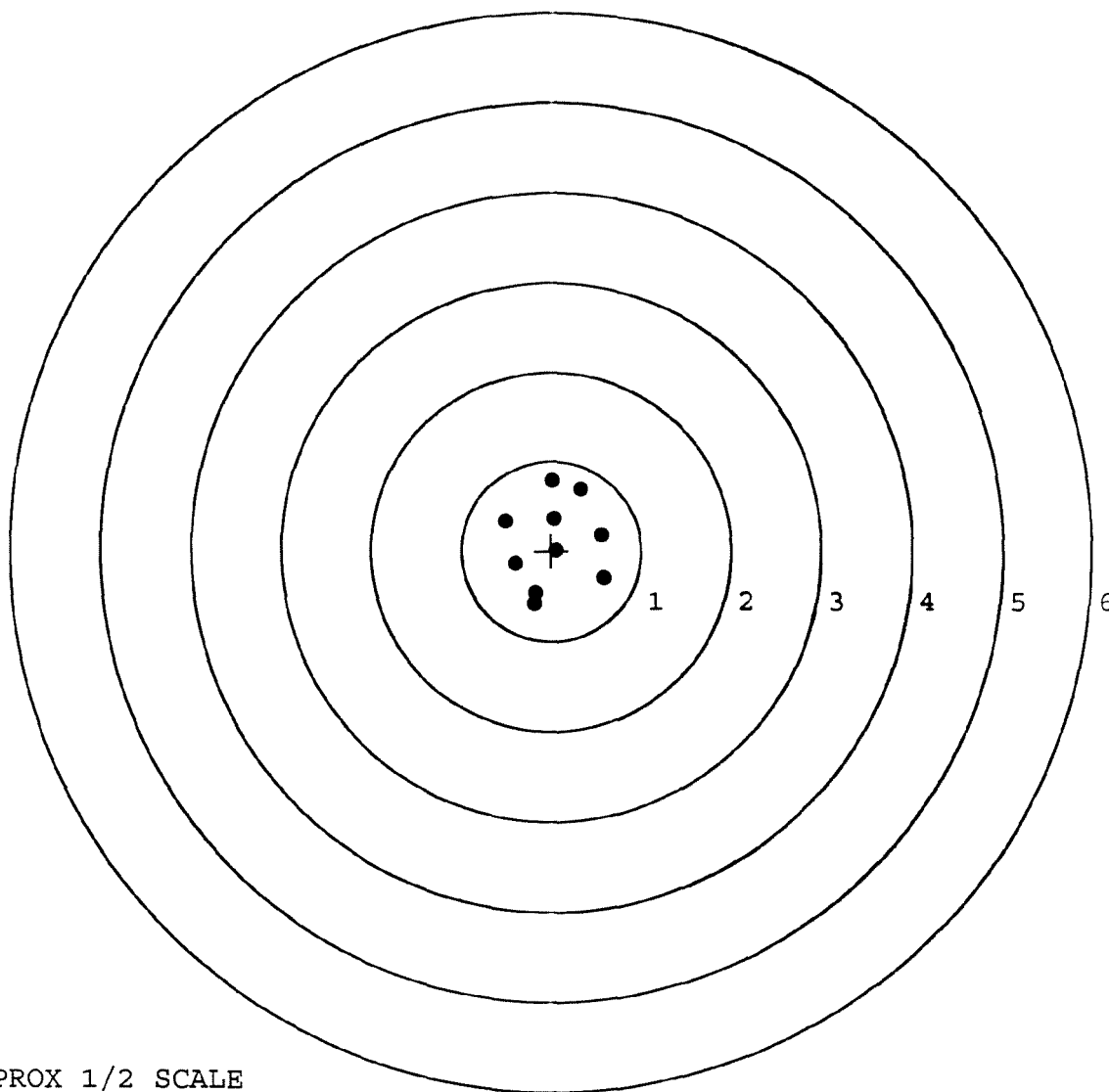


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523393. __ 0
TARGET NUMBER: 3
FILE DATE: 04/16/2008
FILE TIME: 13:47

POINT#	X	Y
1:	0.059	0.002
2:	0.027	0.358
3:	0.010	0.785
4:	0.332	0.693
5:	-0.516	0.333
6:	-0.401	-0.140
7:	-0.181	-0.473
8:	0.585	-0.300
9:	0.559	0.177
10:	-0.195	-0.588

X CENTROID: 0.028
Y CENTROID: 0.085
POA TO CENTROID: 0.089
HORZ SPREAD: 1.101
VERT SPREAD: 1.373
GROUP SPREAD: 1.388
MIN RADIUS: 0.088
MAX RADIUS: 0.709
MEAN RADIUS: 0.534
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

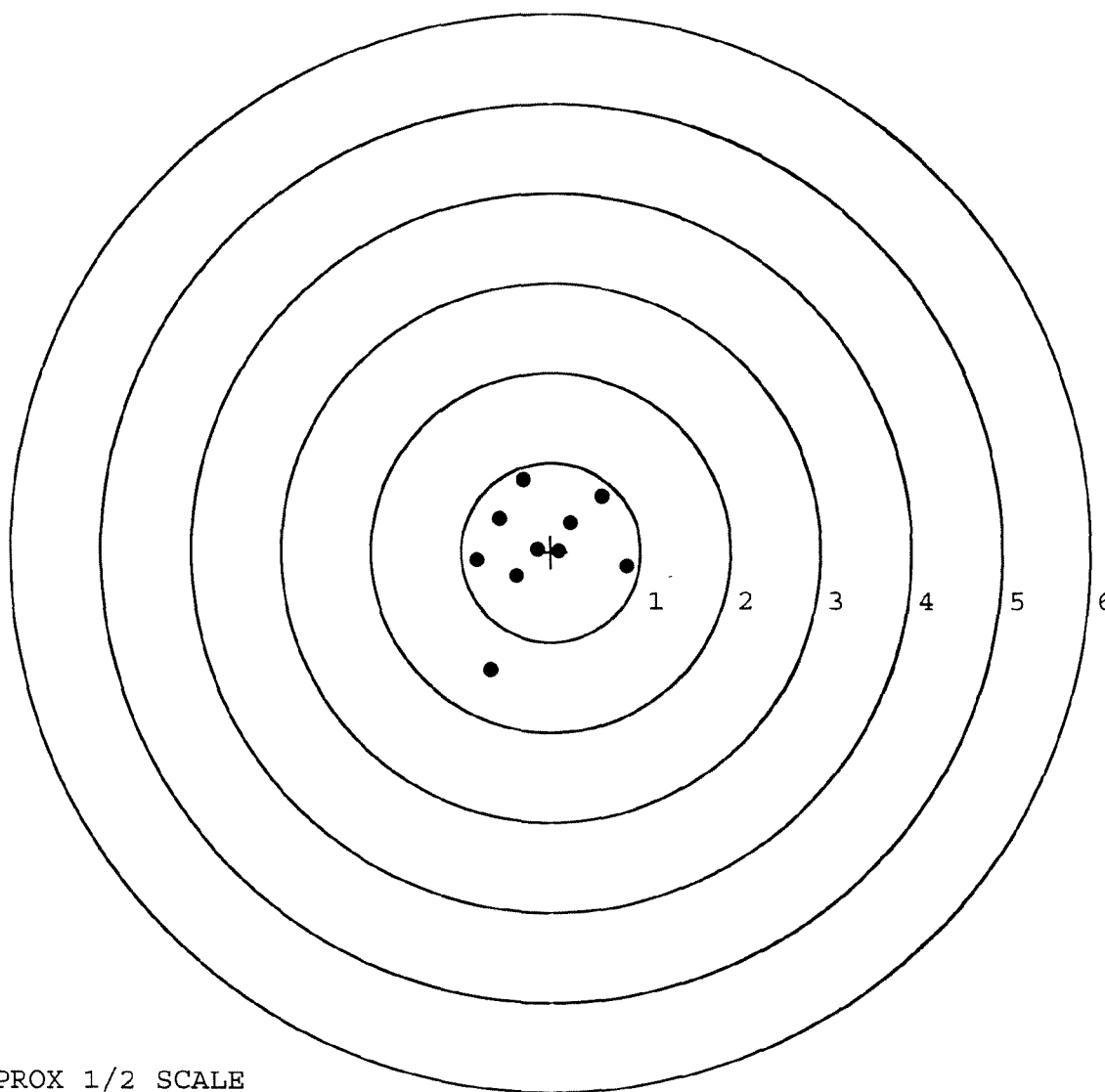


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523393. __0
TARGET NUMBER: 4
FILE DATE: 04/16/2008
FILE TIME: 13:47

X CENTROID: -0.120
Y CENTROID: 0.032
POA TO CENTROID: 0.125
HORZ SPREAD: 1.662
VERT SPREAD: 2.127
GROUP SPREAD: 2.306
MIN RADIUS: 0.033
MAX RADIUS: 1.456
MEAN RADIUS: 0.653
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.309	0.813
2:	-0.575	0.368
3:	-0.821	-0.094
4:	0.572	0.626
5:	0.218	0.324
6:	0.841	-0.164
7:	-0.675	-1.314
8:	0.088	0.010
9:	-0.389	-0.277
10:	-0.153	0.030

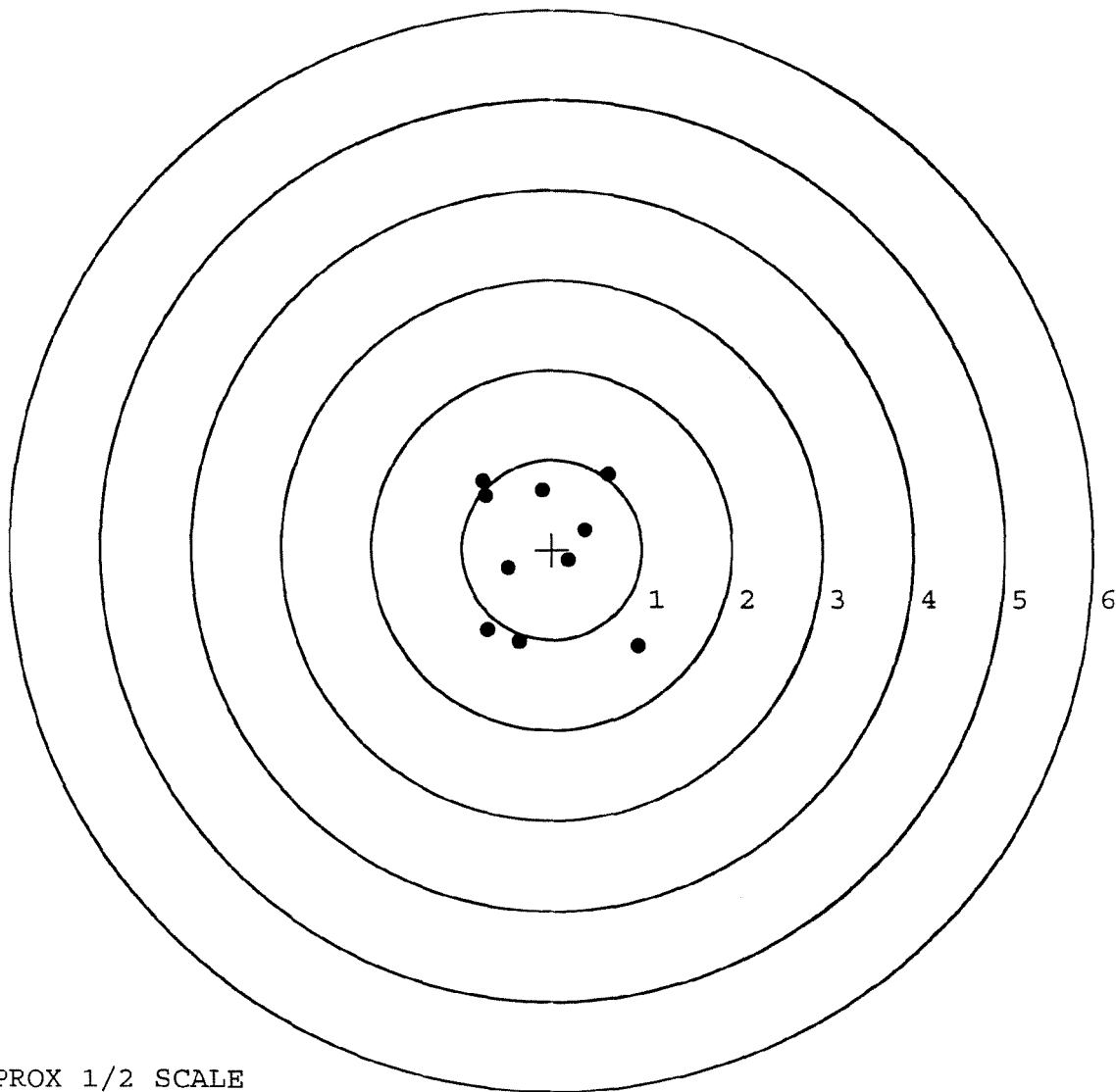


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523393.___0
TARGET NUMBER: 5
FILE DATE: 04/16/2008
FILE TIME: 13:47

X CENTROID: -0.106
Y CENTROID: -0.028
POA TO CENTROID: 0.110
HORZ SPREAD: 1.723
VERT SPREAD: 1.914
GROUP SPREAD: 2.518
MIN RADIUS: 0.304
MAX RADIUS: 1.496
MEAN RADIUS: 0.859
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.627	0.834
2:	-0.112	0.659
3:	-0.736	0.599
4:	0.364	0.215
5:	0.182	-0.125
6:	-0.490	-0.209
7:	-0.715	-0.897
8:	-0.373	-1.033
9:	0.958	-1.080
10:	-0.765	0.756



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT # DAAG-20-02-C-0149

BAR NUMBER 00143910
SERIAL NUMBER C6523393
LOG-IN DATE 4-1-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-3-08	SPD
505	RE-BARREL	4-3-08	SPD
560	ASSEMBLE	4-3-08	RTZ
600	PROOF	4-7-08	TRW
605	CHECK HEADSPACE	4-7-08	TRW
610	DIS-ASSEMBLE GUN	4-8-08	SPD
612	MAGNAFLUX	4-19-08	WMB
510	DRILL AND TAP	4-9-08	FM
615	ROLLMARK CALIBER	4-9-08	CW
618	ROTO-BLAST	4-9-08	DG
620	APPLY COATINGS	4-11-08	CM
625	FINAL ASSEMBLY	4-14-08	RTZ
640	FUNCTION TEST AND	4-15-08	TRW
650	TARGET	4-15-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	4-15-08	RP
	A) HEADSPACE	4-17-08	TRW
	B) TRIGGER PULL	2.41 2.43 2.34 2.30 2.30 4-17-08	TRW
	C) SAFETY ON FORCE	4.5 4.5 4.75 4-17-08	TRW
	D) SAFETY OFF FORCE	2.5 2.25 2.5 4-17-08	TRW
	E) FIRING PIN INDENT	.022 .0215 .022 4-17-08	TRW
690	PACK	4-21-08	FM

MAGNA - FLUX
APR 09 2008
OPERATOR *WMB*

N/A

Remington®



MODEL 700™ M24

01

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



5716 06523393

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

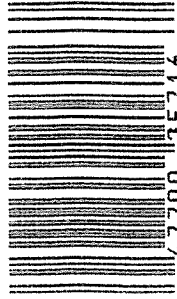
SERIAL NO.

06523393

ORDER NO.

5716

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523393

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 24	90	RW
600	Proof	9 24	90	RW
607	Check Headspace	9 24	90	RW
610	Dis-assemble Gun	9 24	90	RW
612	Magnaflux Barrel Action		9-25-90	KR
	Magnaflux Bolt		9-25-90	RR
615	Rollmark Caliber		9-25-90	GG
617	Drill and Tap Sight Holes		9-25-90	FB
618	Polish Barrel <i>AB</i>		9/28/90	WB
620	Apply Coatings (Barrel Action)		10-2-90	PA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/8/90	RW
	C) Inspect Ejector Hole for Chamfer		10/8/90	RW
	D) Oil Firing Pin Ass'y		10/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/12/90	GU

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	4 1/2	4 1/2	4 1/2			10/12/90	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			10/12/90	WB
	H) Trigger Pull Test & Retainability						10/12/90	WB
	I) Firing Pin Indent	10205	.021	.021			10/12/90	WB
	J) Assemble Stock						10/12/90	RW
	K) Assemble Swivel Studs						2/18/91	WB
	L) Attach Front and Rear Sight Assemblies						10/12/90	RW
	M) Iron Sight Alignment						10/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/12/90	RW
	O) Attach Scope to Rifle						10/15/90	RW
	P) Detach & Attach Scope 20 Times						10/15/90	RW
640	Gallery Target & Test						10/16/90	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						10/16/90	AF
655	Final Inspection							
	A) Headspace						2/18/91	WB
	B) Trigger Pull	231	227	234	227	219	2/18/91	WB
	C) Function						2/18/91	WB
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06523393

DATE 10/12/90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.44	2.50	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.38	2.43	2.27	
PULL #3	2.35	2.32	2.45	2.34	
PULL #4	2.34	2.47	2.32	2.27	
PULL #5	2.25	2.54	2.50	2.19	
TOTAL	11.77	12.15	12.20		
AVG.	2.354	2.43	2.44		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.35		
PULL #2	3.32	3.41		
PULL #3	3.40	3.44		
PULL #4	3.37	3.42		
PULL #5	3.39	3.37		
TOTAL	16.83	16.99		
AVG.	3.366	3.398		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.31		4.19
PULL #2	4.11	4.31		4.24
PULL #3	4.30	4.12		4.24
PULL #4	4.36	4.12		4.17
PULL #5	4.32	4.17		4.19
TOTAL	21.33	21.03		21.03
AVG.	4.266	4.206		4.206

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523393
17 Oct 1990

CENTROIDAL DISTANCES

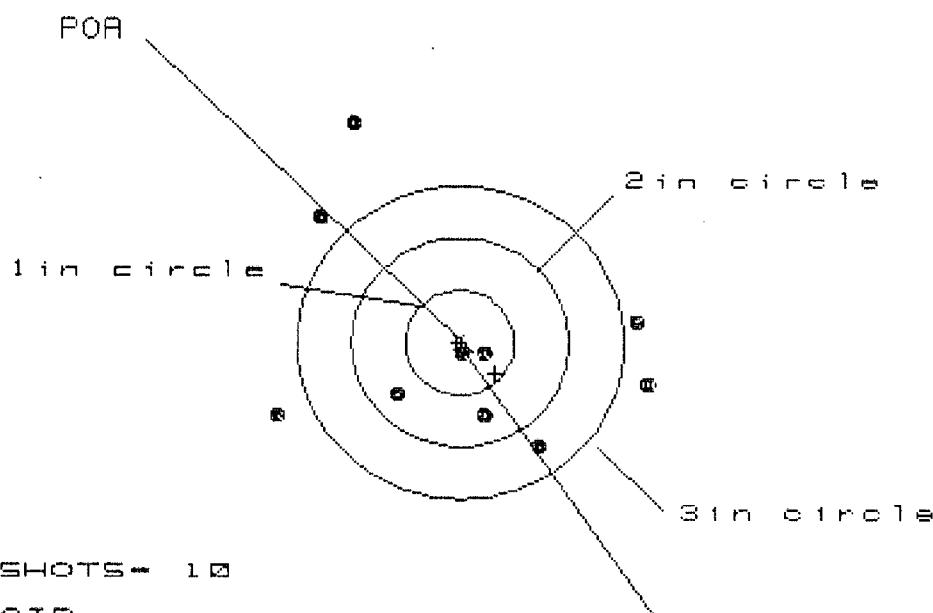
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1 TO	3	.385964
1 TO	4	.625901
1 TO	5	.356742

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18 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523393

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 5

HS= 3.381

VS= 3.132

GS= 3.696

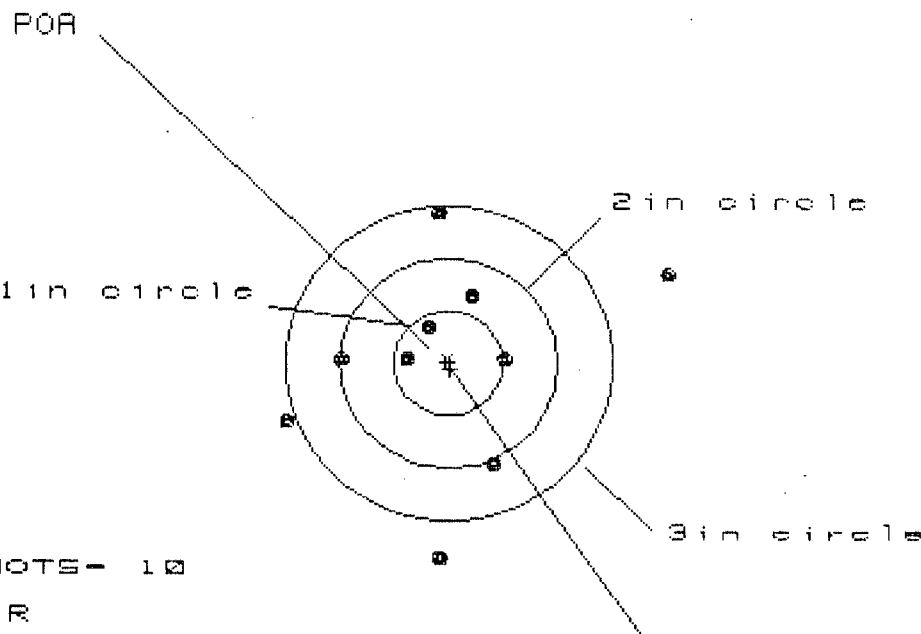
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.704	1.593	1.369
MINIMUM X	-1.677	-1.788	-1.577
MAXIMUM Y	2.123	1.411	1.350
MINIMUM Y	-1.009	-.773	-.834
CENTROID X	-.322	-.212	.012
CENTROID Y	.296	.060	.121
POA TO CENTROID in.	.437	.220	.122
MIN RADIUS	.056	.206	.159
MEAN RADIUS	1.231	1.067	.964
MAX RADIUS	2.346	1.955	2.076
HORIZONTAL SPREAD	3.381	3.381	2.946
VERTICAL SPREAD	3.132	2.184	2.184
EXTREME SPREAD	3.696	3.397	3.340
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

16 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523393

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.486

VS= 3.260

GS= 3.731

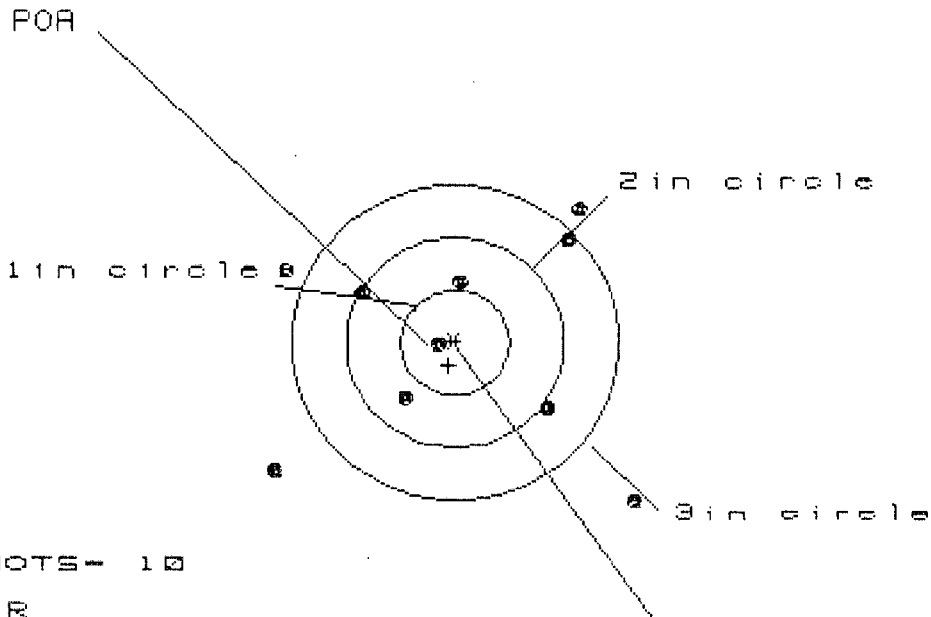
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.975	.763	.780
MINIMUM X	:	-1.511	-1.292	-1.275
MAXIMUM Y	:	1.423	1.513	1.295
MINIMUM Y	:	-1.837	-1.747	-1.120
CENTROID X	:	-.014	-.233	-.250
CENTROID Y	:	.058	-.032	.186
POA TO CENTROID in.	:	.059	.236	.312
MIN RADIUS	:	.347	.205	.114
MEAN RADIUS	:	1.099	.974	.824
MAX RADIUS	:	2.134	1.752	1.432
HORIZONTAL SPREAD	:	3.486	2.055	2.055
VERTICAL SPREAD	:	3.260	3.260	2.415
EXTREME SPREAD	:	3.731	3.260	2.451
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

16 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523393

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS = 3.245

VS = 2.798

GS = 3.905

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.625	1.322	1.142
MINIMUM X	:	-1.620	-1.439	-1.602
MAXIMUM Y	:	1.252	1.080	.911
MINIMUM Y	:	-1.546	-1.348	-.947
CENTROID X	:	.056	-.125	.055
CENTROID Y	:	.210	.390	.559
POA TO CENTROID in.	:	.225	.410	.561
MIN RADIUS	:	.164	.169	.250
MEAN RADIUS	:	1.257	1.121	1.009
MAX RADIUS	:	2.243	1.972	1.632
HORIZONTAL SPREAD	:	3.245	2.761	2.744
VERTICAL SPREAD	:	2.798	2.428	1.858
EXTREME SPREAD	:	3.905	3.677	2.809
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	5		

16 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523393

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 3.903

VS= 2.841

GS= 3.912

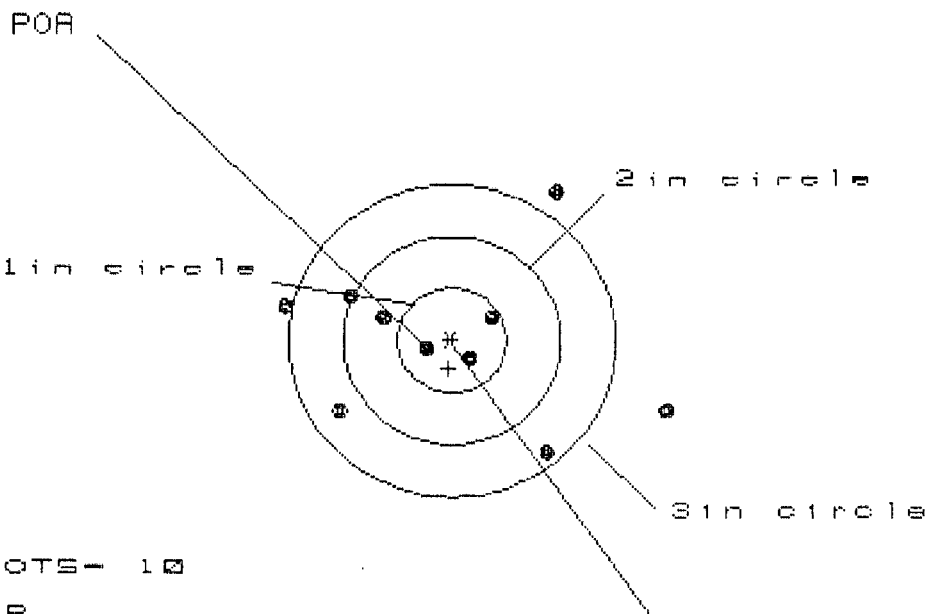
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.214	1.566	1.516
MINIMUM X	:	-1.689	-1.443	-1.493
MAXIMUM Y	:	1.049	1.036	.811
MINIMUM Y	:	-1.792	-1.805	-.872
CENTROID X	:	-.016	-.262	-.212
CENTROID Y	:	-.250	-.237	-.012
POA TO CENTROID in.	:	.251	.354	.213
MIN RADIUS	:	.523	.276	.348
MEAN RADIUS	:	1.207	1.044	.916
MAX RADIUS	:	2.217	1.848	1.559
HORIZONTAL SPREAD	:	3.903	3.009	3.009
VERTICAL SPREAD	:	2.841	2.841	1.683
EXTREME SPREAD	:	3.912	3.022	3.022
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

16 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523393

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 7

HS= 3.484

VS= 2.511

GS= 3.602

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.965	1.226	1.211
MINIMUM X	-1.519	-1.300	-1.147
MAXIMUM Y	1.445	1.374	.505
MINIMUM Y	-1.066	-1.137	-.965
CENTROID X	.034	-.185	-.338
CENTROID Y	.273	.344	.172
POA TO CENTROID in.	.275	.390	.379
MIN RADIUS	.255	.147	.106
MEAN RADIUS	1.067	.925	.791
MAX RADIUS	2.067	1.842	1.548
HORIZONTAL SPREAD	3.484	2.526	2.358
VERTICAL SPREAD	2.511	2.511	1.470
EXTREME SPREAD	3.602	2.911	2.714
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		