

06594623

MODEL 700TH M24

Model SMSTH

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00127464

Serial: C6594623 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: New 3/30/2007 10:29:15 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C1ST / 20TH S.F.G.

CO C1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD

MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE PO Box:

1505 ROOSEVELT AVENUE PO Box:

City: SPRINGFIELD

SPRINGFIELD

State: MA

Zip Code: 01109-2438

Country: US

State: MA

Zip Code: 01109-2438

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	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL

Serial
Number:

C6594623

Model: M24 SWS



RE00127464

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594623.___0
FILE DATE AND TIME: 05/08/2007 12:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.003
The Average Y Centroid of the Five Target Set:	-0.017
The Average Point of Impact of the Five Target Set:	0.018
The Average Mean Radius of the Five Target Set:	0.767
The Distance from POA to Centroid Target #1:	0.200
The Distance from Centroid Target #2 to Centroid Target #1:	0.284
The Distance from Centroid Target #3 to Centroid Target #1:	0.229
The Distance from Centroid Target #4 to Centroid Target #1:	0.295
The Distance from Centroid Target #5 to Centroid Target #1:	0.281

SERIAL NUMBER: C6594623. 0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:55

POINT#	X	Y
1:	1.429	0.007
2:	0.995	-0.254
3:	0.583	-0.629
4:	0.439	-0.267
5:	0.876	0.468
6:	-0.261	-0.916
7:	-0.490	0.049
8:	-0.493	0.267
9:	-0.015	0.761
10:	-1.093	0.831

X CENTROID: 0.197

Y CENTROID: 0.032

POA TO CENTROID: 0.200

HORZ SPREAD: 2.522

VERT SPREAD: 1.747

GROUP SPREAD: 2.653

MIN RADIUS: 0.384

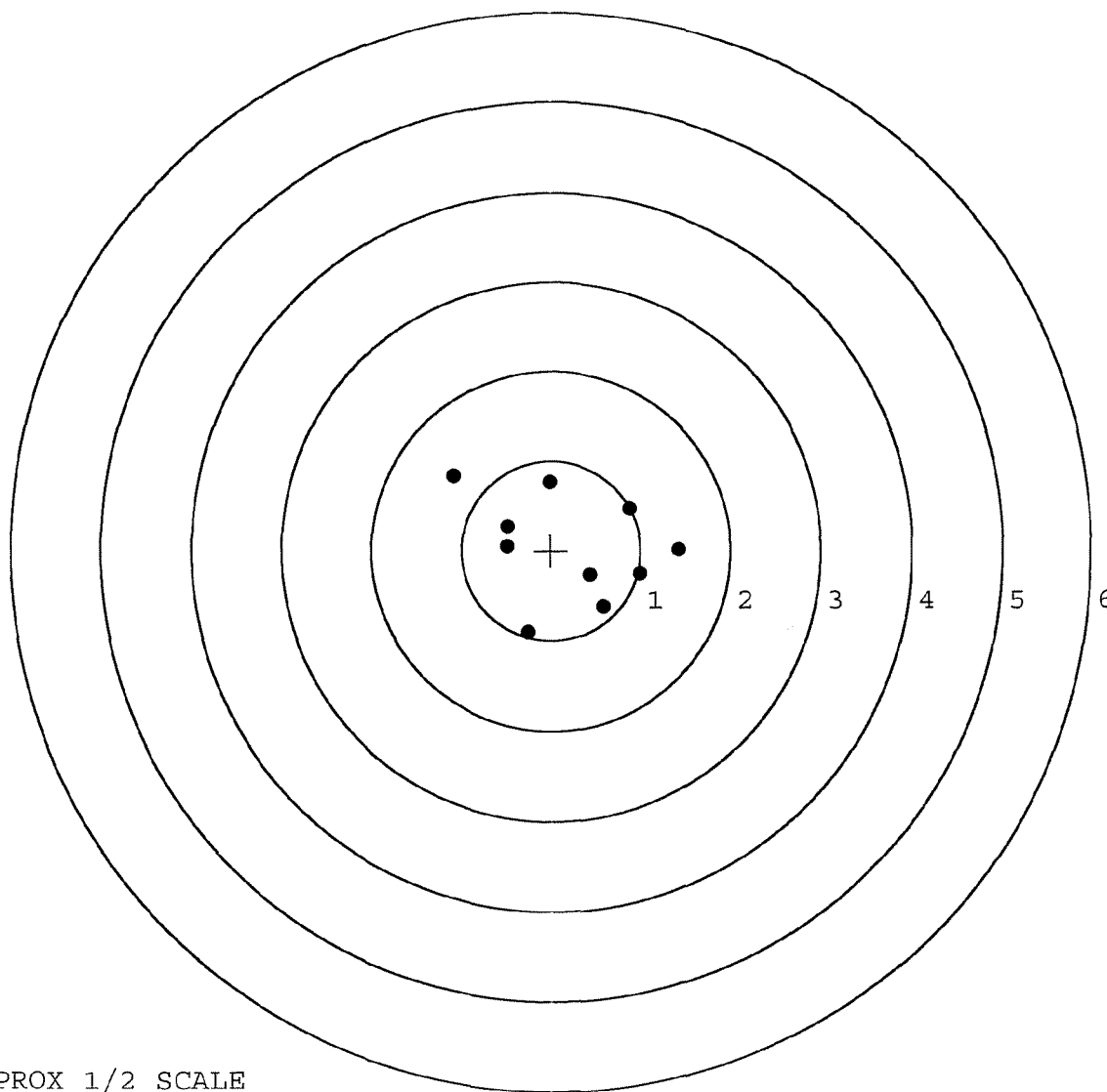
MAX RADIUS: 1.518

MEAN RADIUS: 0.878

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594623. __0

TARGET NUMBER: 2

FILE DATE: 05/08/2007

FILE TIME: 12:55

X CENTROID: -0.040

Y CENTROID: -0.124

POA TO CENTROID: 0.130

HORZ SPREAD: 2.066

VERT SPREAD: 2.241

GROUP SPREAD: 2.801

MIN RADIUS: 0.281

MAX RADIUS: 1.489

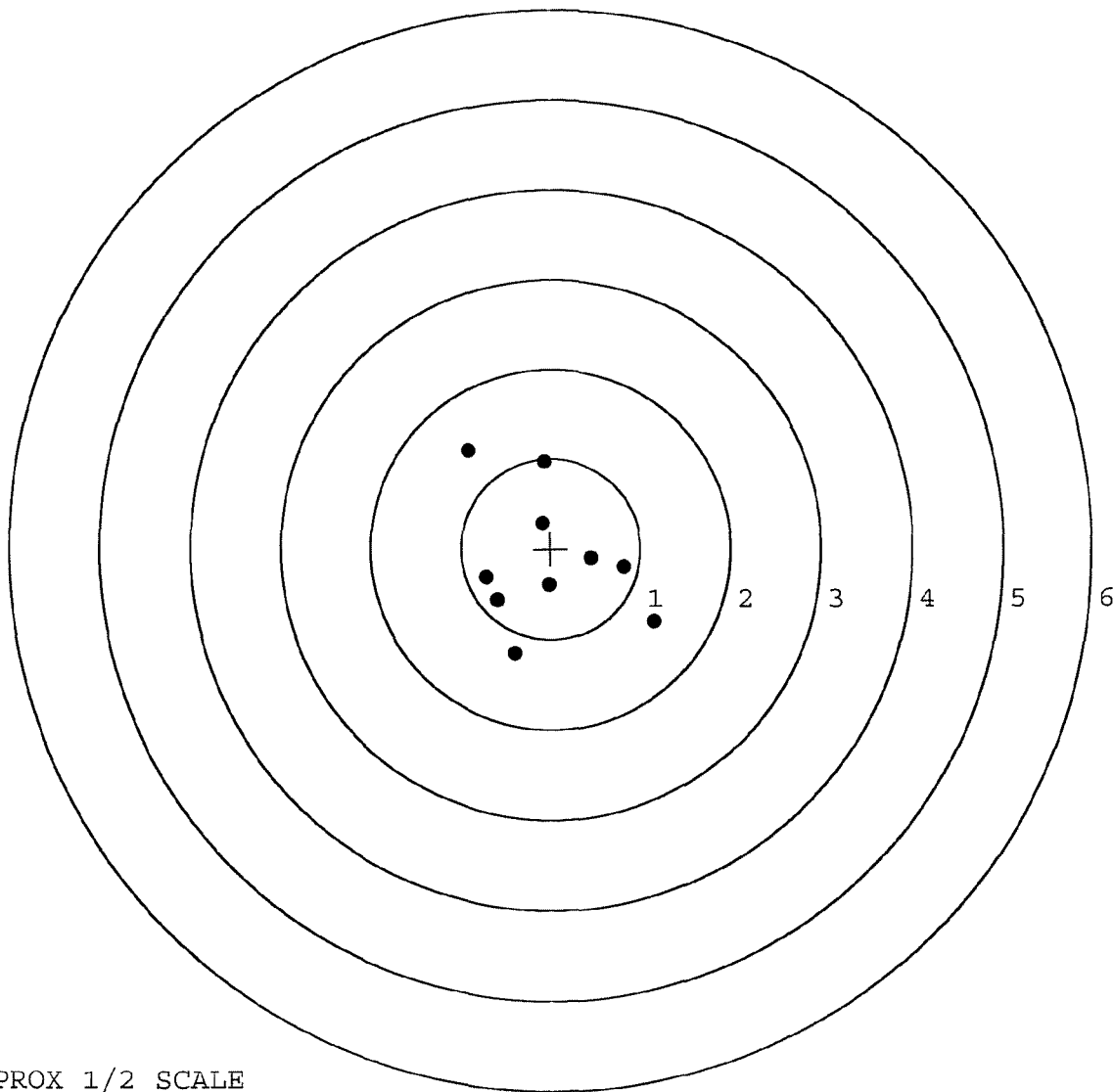
MEAN RADIUS: 0.850

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.152	-0.809
2:	0.817	-0.202
3:	0.448	-0.106
4:	-0.404	-1.159
5:	-0.026	-0.405
6:	-0.595	-0.568
7:	-0.714	-0.317
8:	-0.095	0.278
9:	-0.071	0.966
10:	-0.914	1.082



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594623. __0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:55

POINT#	X	Y
1:	1.160	-0.276
2:	0.578	-0.668
3:	0.279	-0.801
4:	-0.368	-0.613
5:	-0.169	-0.344
6:	0.122	-0.009
7:	-0.234	0.500
8:	-0.518	0.287
9:	-0.898	0.122
10:	-0.176	1.453

X CENTROID: -0.022

Y CENTROID: -0.035

POA TO CENTROID: 0.041

HORZ SPREAD: 2.058

VERT SPREAD: 2.254

GROUP SPREAD: 2.299

MIN RADIUS: 0.147

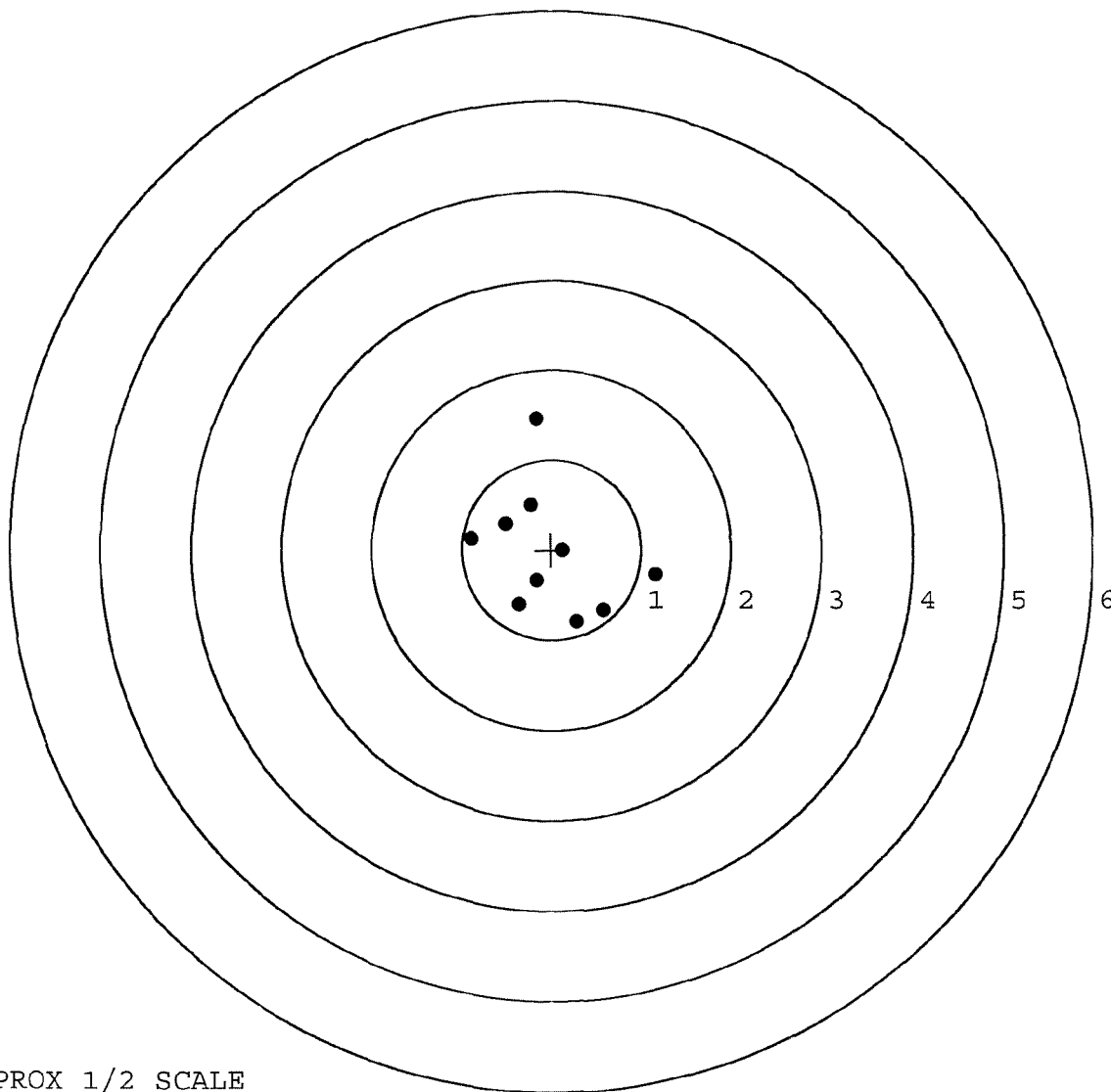
MAX RADIUS: 1.496

MEAN RADIUS: 0.762

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594623. 0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:55

POINT#	X	Y
1:	0.639	-1.102
2:	0.348	-0.649
3:	0.299	-0.316
4:	0.448	0.097
5:	-0.345	-0.724
6:	-0.725	0.101
7:	-0.114	0.150
8:	-0.237	0.530
9:	-0.520	0.622
10:	-0.415	0.209

X CENTROID: -0.062

Y CENTROID: -0.108

POA TO CENTROID: 0.125

HORZ SPREAD: 1.364

VERT SPREAD: 1.724

GROUP SPREAD: 2.077

MIN RADIUS: 0.263

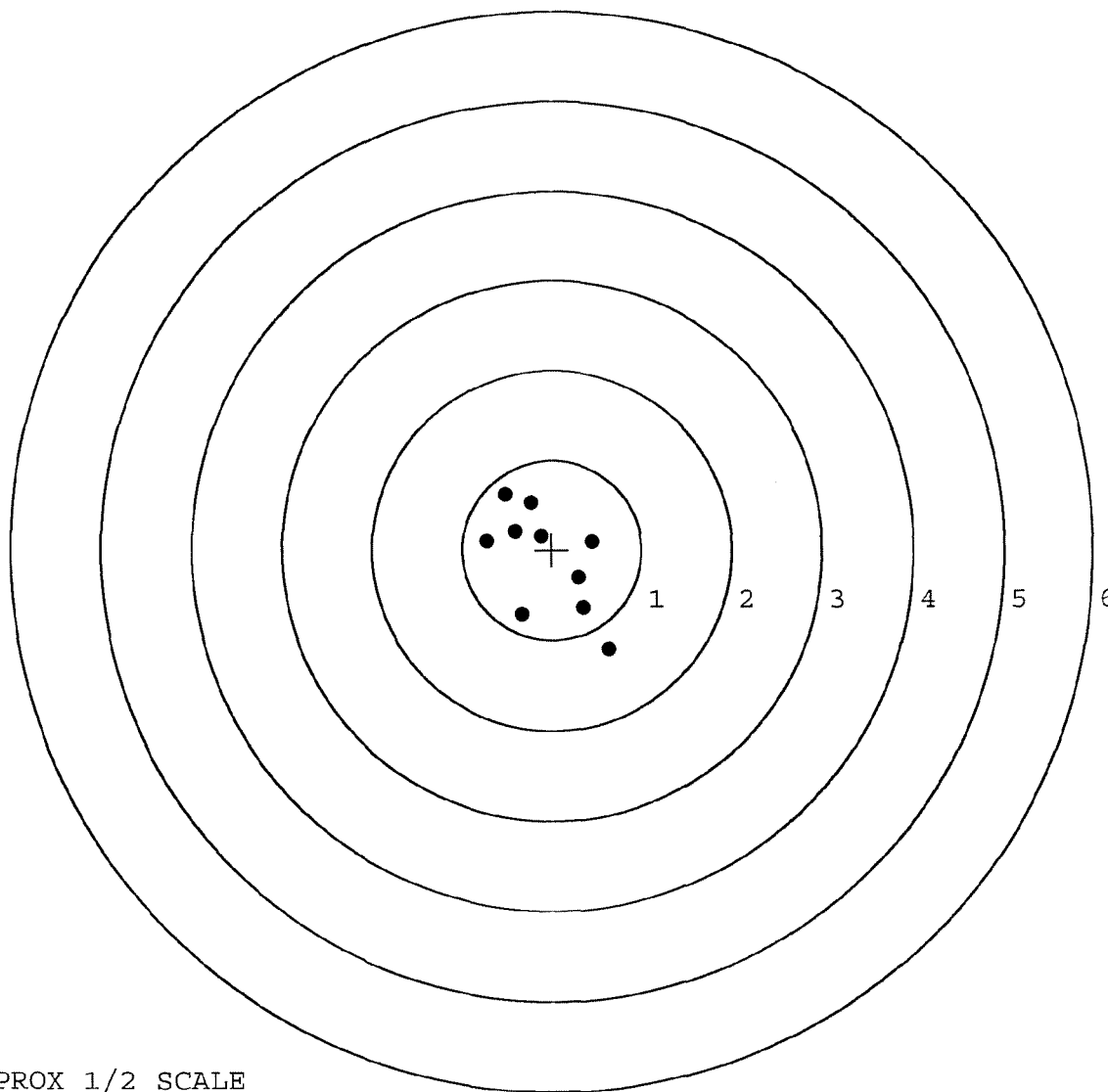
MAX RADIUS: 1.216

MEAN RADIUS: 0.650

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594623. __0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:55

POINT#	X	Y
1:	0.300	-0.932
2:	-0.348	-0.570
3:	0.014	-0.456
4:	0.428	-0.019
5:	-1.159	0.154
6:	-0.183	0.265
7:	0.233	0.483
8:	0.229	0.789
9:	0.089	0.724
10:	-0.192	1.041

X CENTROID: -0.059

Y CENTROID: 0.148

POA TO CENTROID: 0.159

HORZ SPREAD: 1.587

VERT SPREAD: 1.973

GROUP SPREAD: 2.033

MIN RADIUS: 0.171

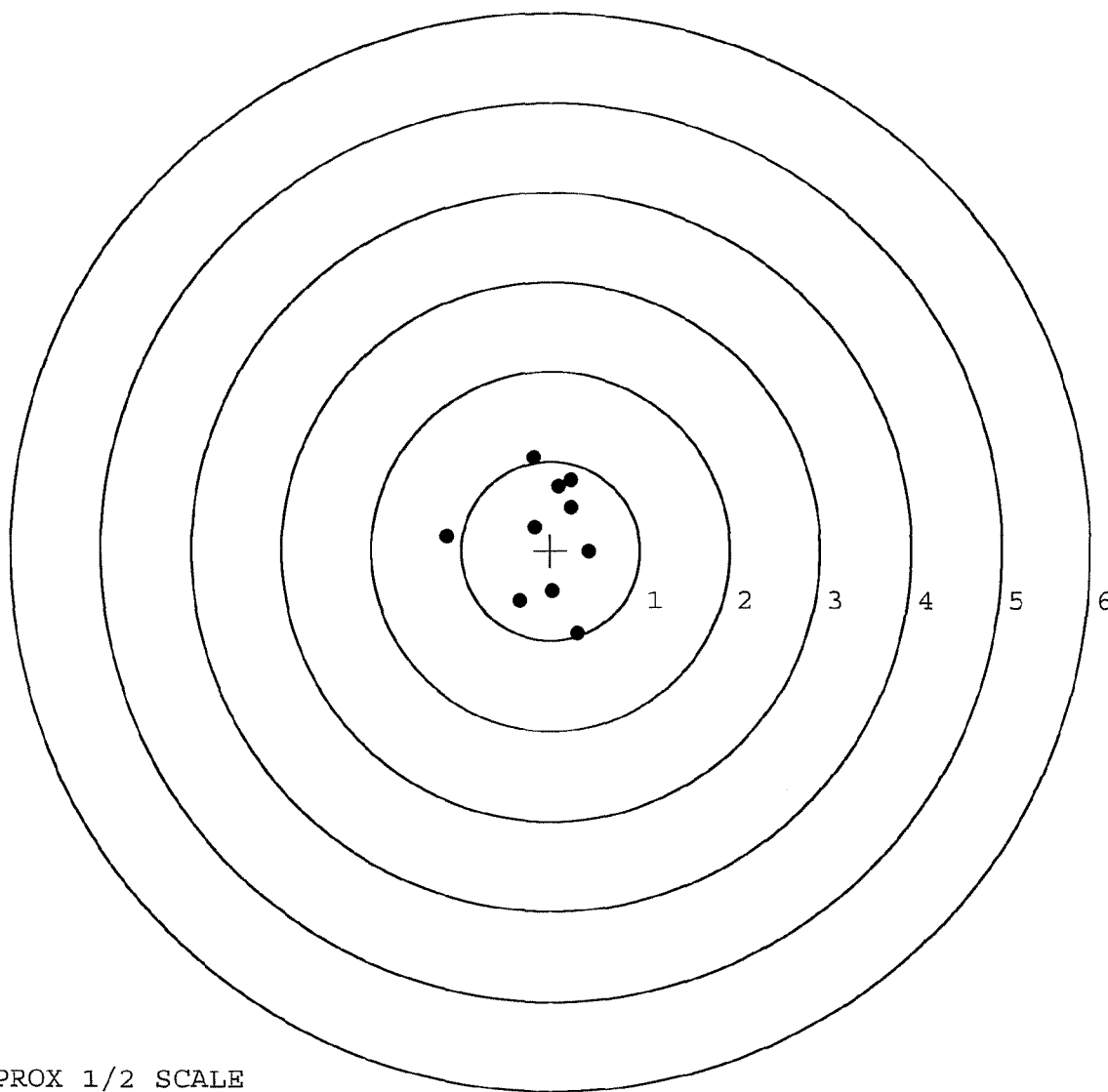
MAX RADIUS: 1.138

MEAN RADIUS: 0.695

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

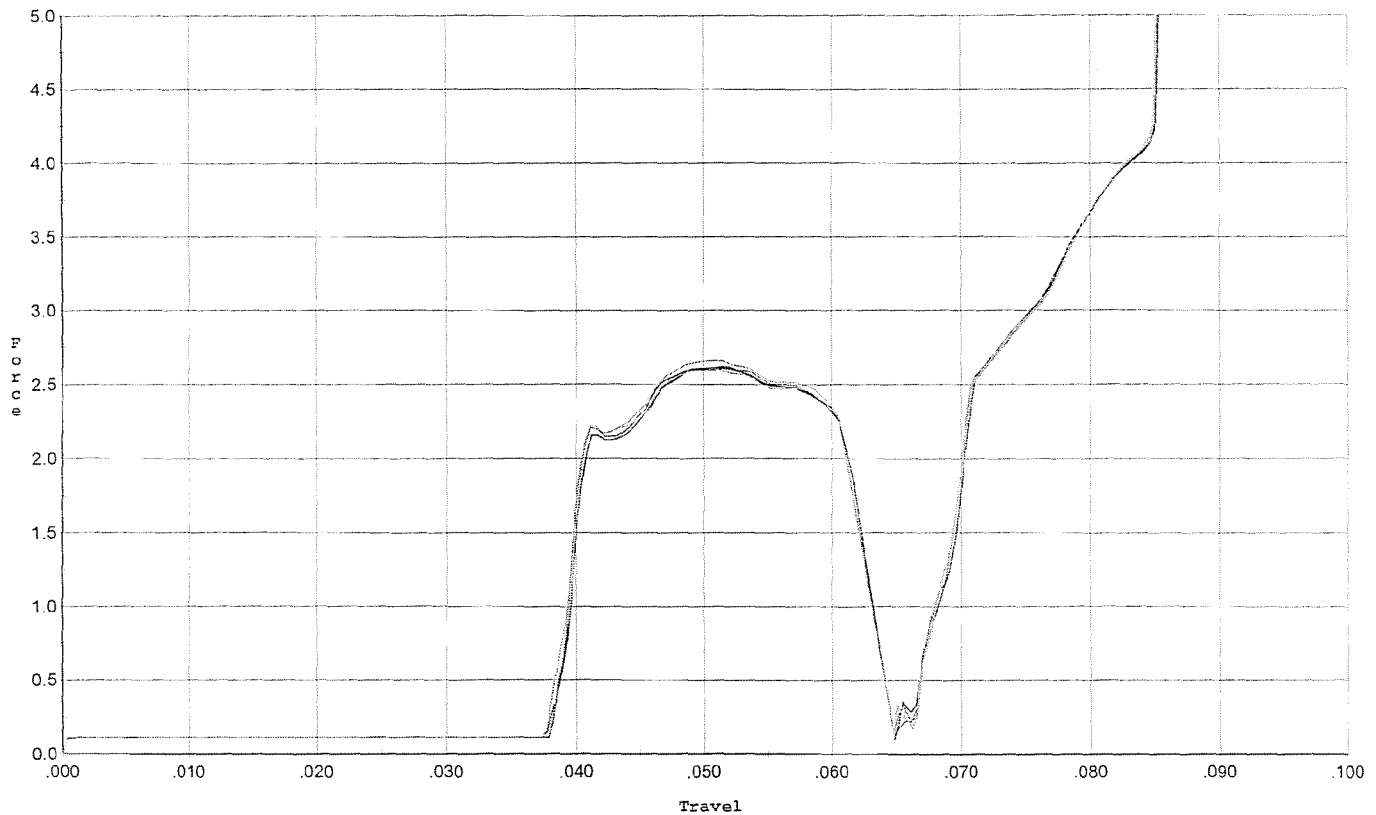


TARGET APPROX 1/2 SCALE

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 4/16/07

Model: M/24
 Serial No: Form #F005
 Trigger: 2.5 lbs. ini. +/- .50 lbs.



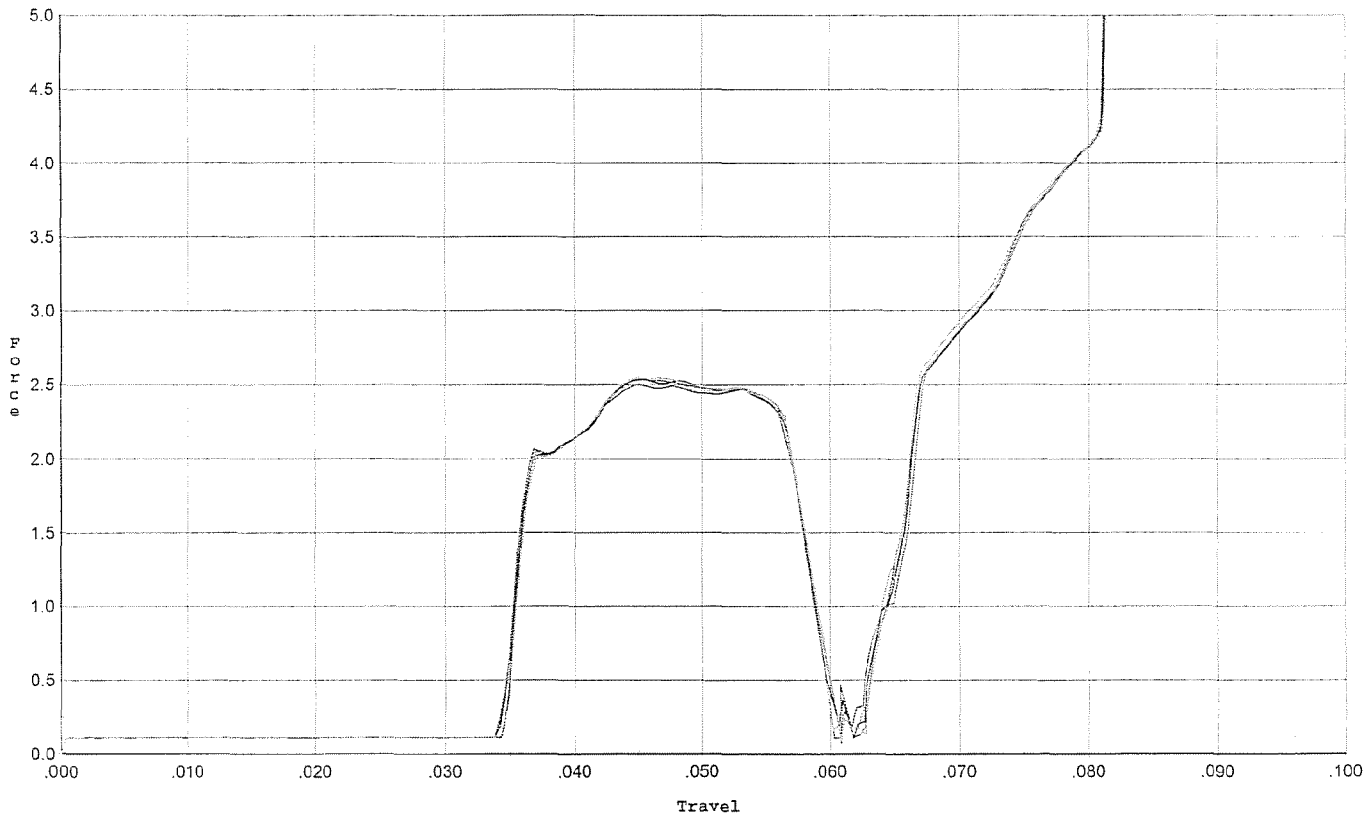
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.622	0.062	0.038	0.030	0.059		Set Trigger
2	2.607	0.062	0.038	0.030	0.058		Set Trigger
3	2.612	0.062	0.038	0.030	0.058		Set Trigger
4	2.662	0.063	0.038	0.030	0.060		Set Trigger
5	2.604	0.063	0.038	0.030	0.059		Set Trigger

AVG 2.62

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 4/16/07

Model: M/24
Serial No: Form #F005
Trigger: 2.5 lbs. after 50 cycles +/- .50 lbs.



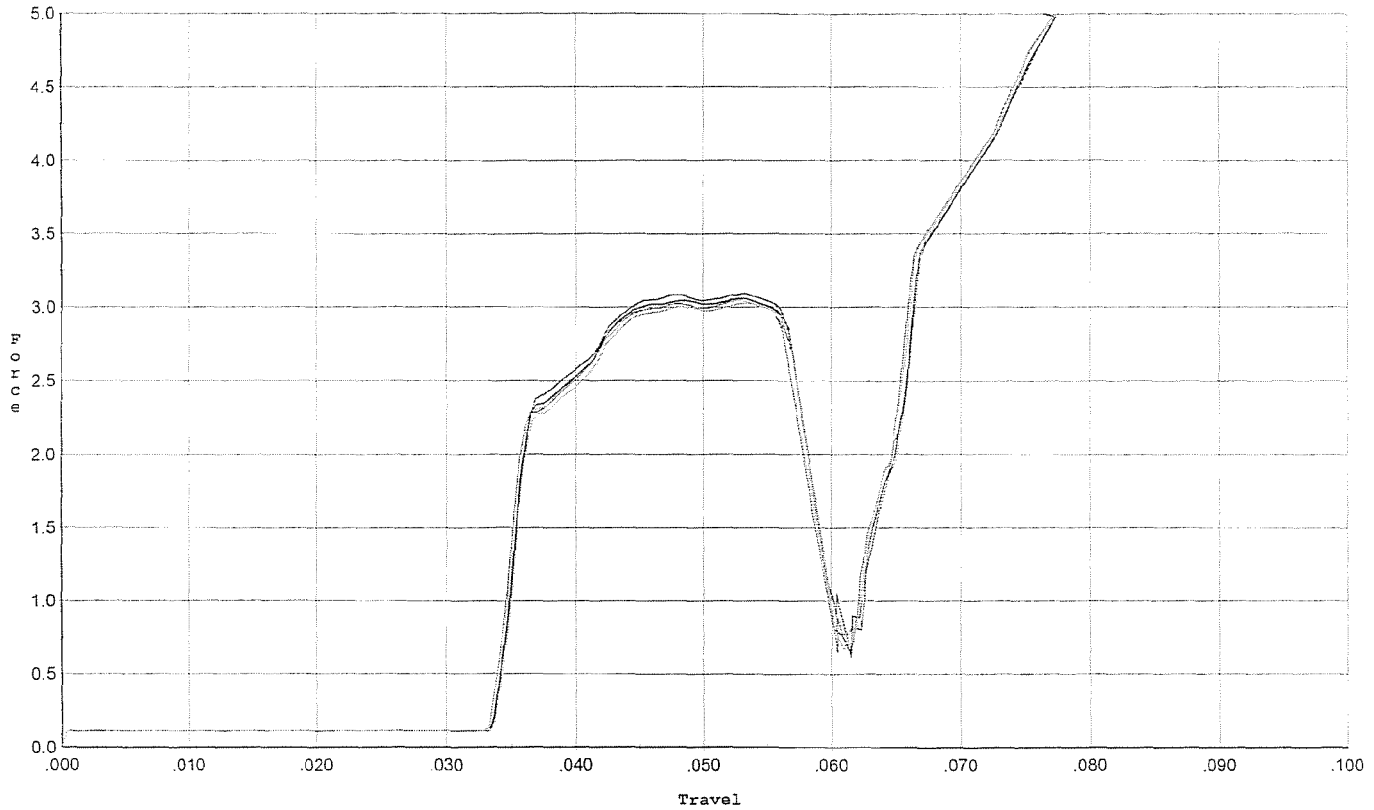
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.500	0.057	0.034	0.031	0.055		Set Trigger
2	2.536	0.057	0.035	0.031	0.055		Set Trigger
3	2.532	0.057	0.034	0.031	0.055		Set Trigger
4	2.547	0.057	0.035	0.031	0.055		Set Trigger
5	2.502	0.057	0.034	0.031	0.055		Set Trigger

AVG 2.52

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 4/16/07

Model: M/24
Serial No: Form #F005
Trigger: 3.0 lbs. ini. +/- .75 lbs.



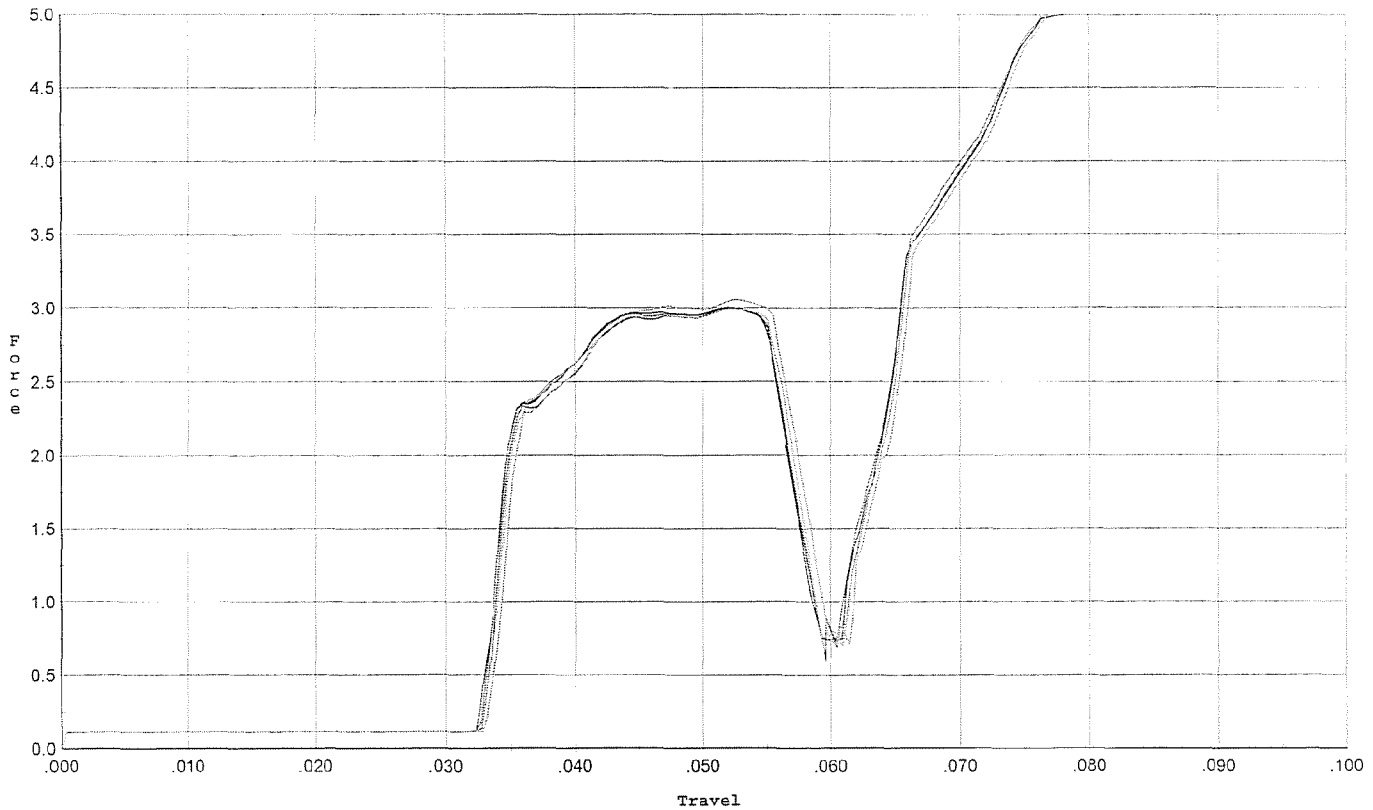
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.093	0.057	0.034	0.030	0.067		Set Trigger
2	3.060	0.057	0.034	0.030	0.067		Set Trigger
3	3.050	0.056	0.034	0.030	0.065		Set Trigger
4	3.027	0.057	0.034	0.030	0.066		Set Trigger
5	3.051	0.058	0.034	0.029	0.068		Set Trigger

AVG 3.05

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/16/07

Model: M/24
 Serial No: Form #F005
 Trigger: 3.0 lbs. after 20 cycles +/- .75 lbs.



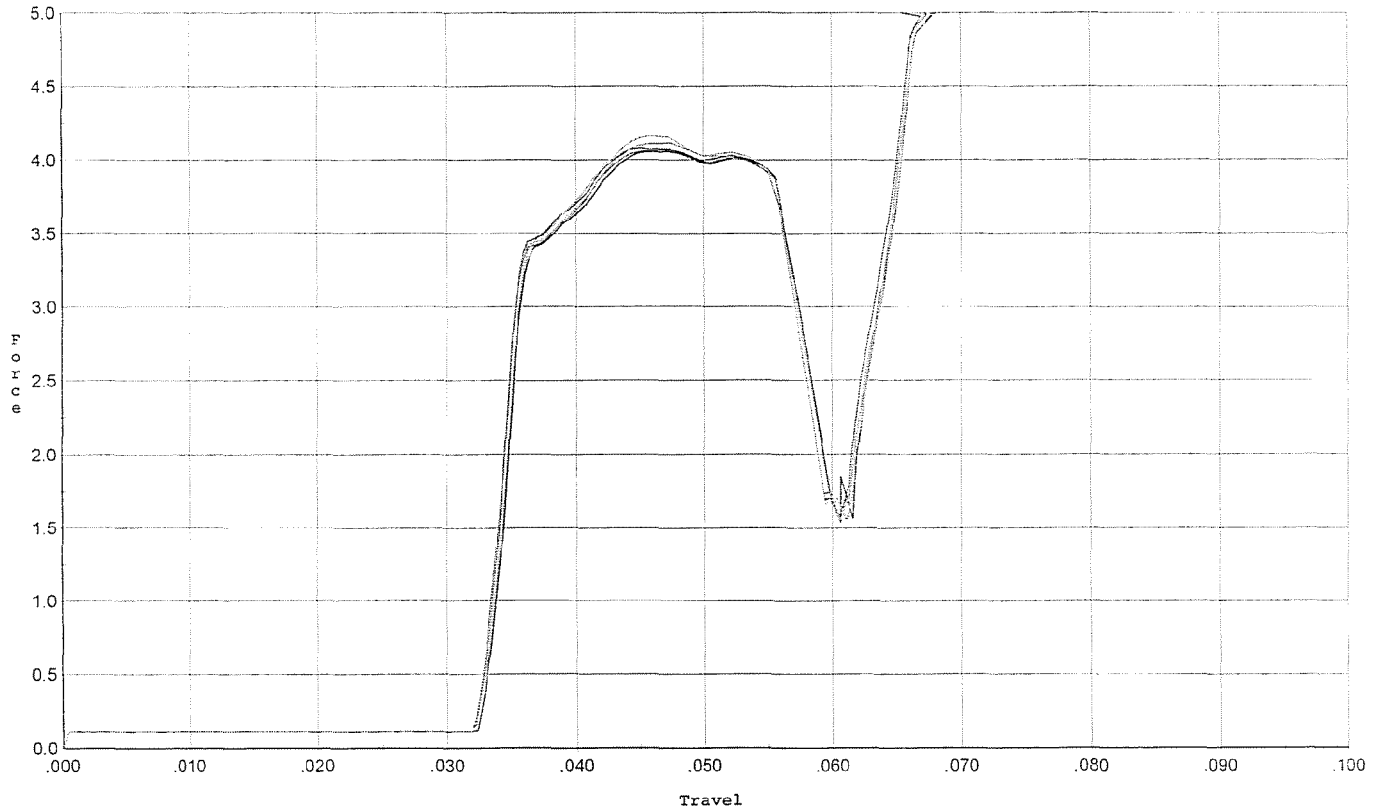
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.004	0.055	0.033	0.030	0.064		Set Trigger
2	2.996	0.055	0.033	0.030	0.065		Set Trigger
3	2.996	0.055	0.033	0.030	0.065		Set Trigger
4	2.994	0.056	0.033	0.030	0.065		Set Trigger
5	3.053	0.057	0.033	0.029	0.068		Set Trigger

AVG 3.00

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/16/07

Model: M/24
 Serial No: Form #F005
 Trigger: 4.0 lbs. ini. +/- 1.0 lbs.



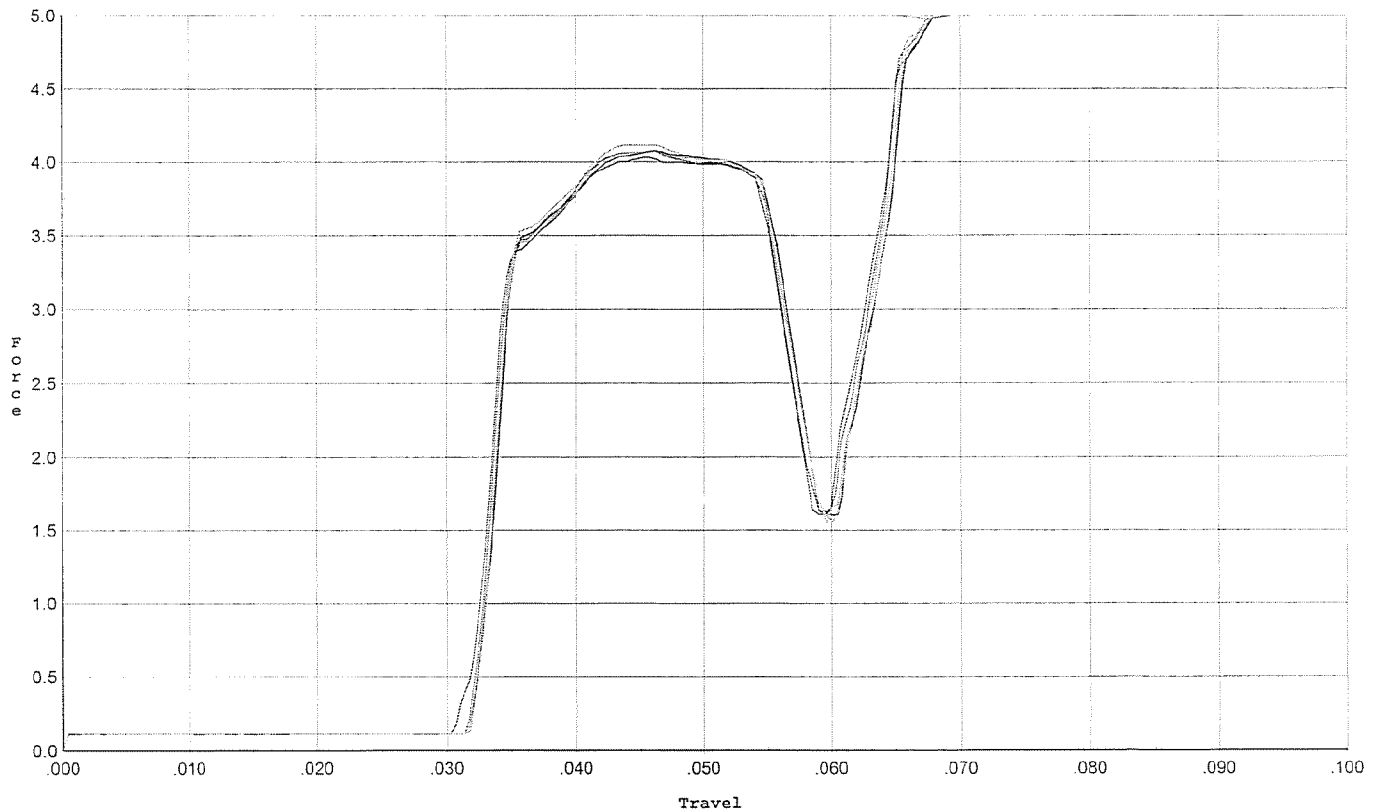
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.080	0.056	0.032	0.022	0.090		Set Trigger
2	4.058	0.057	0.033	0.022	0.091		Set Trigger
3	4.070	0.056	0.032	0.023	0.089		Set Trigger
4	4.161	0.056	0.032	0.023	0.091		Set Trigger
5	4.113	0.056	0.033	0.023	0.089		Set Trigger

AVG 4.09

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/16/07

Model: M/24
 Serial No: Form #F005
 Trigger: 4.0 lbs. after 20 cycles +/- 1.0 lbs.



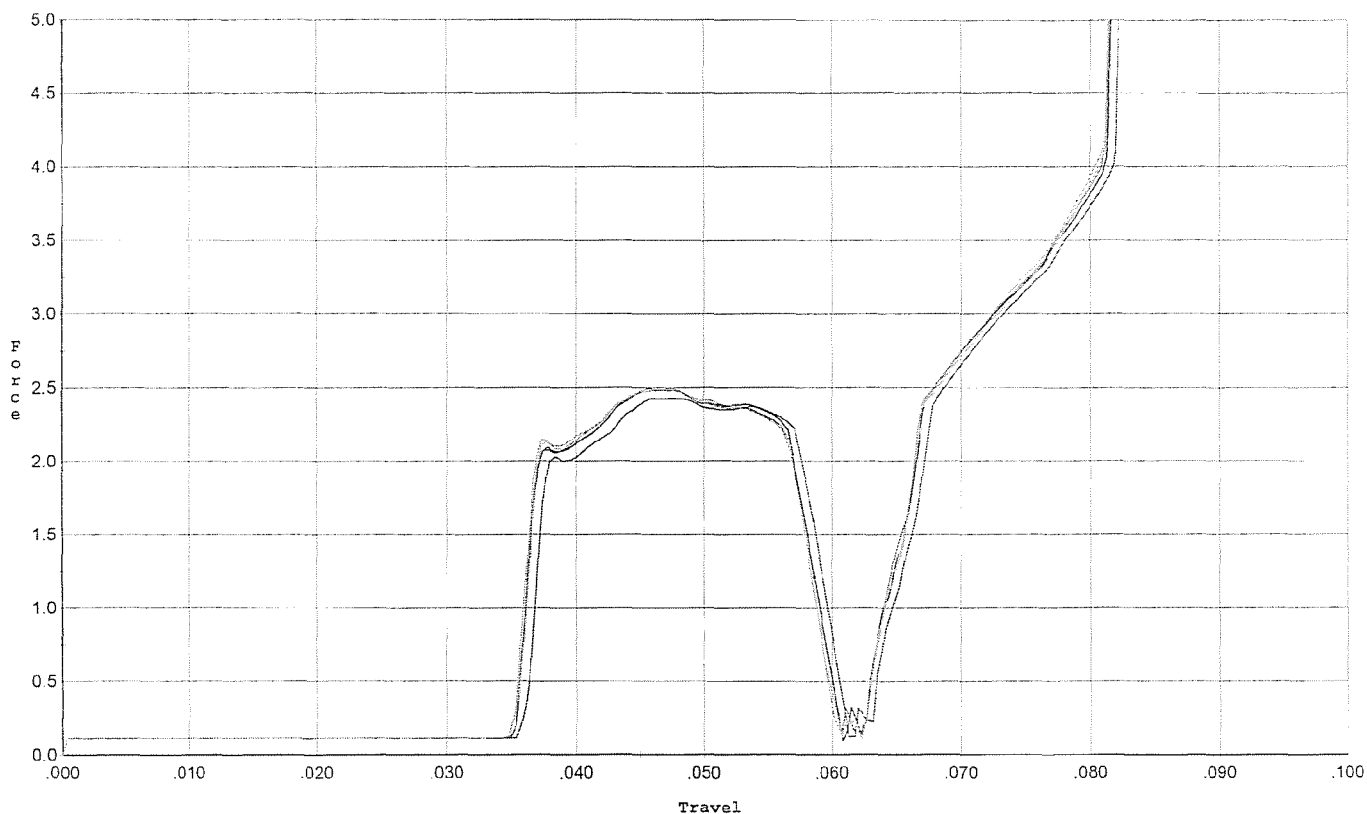
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.031	0.055	0.031	0.023	0.089		Set Trigger
2	4.076	0.056	0.032	0.023	0.090		Set Trigger
3	4.076	0.055	0.032	0.023	0.089		Set Trigger
4	4.118	0.057	0.032	0.023	0.092		Set Trigger
5	4.080	0.055	0.032	0.023	0.088		Set Trigger

Avg 4.07

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 4/16/07

Model: M/24
Serial No: Form #F005
Trigger: reset to 2.5 lbs. +/- .50 lbs. for final test



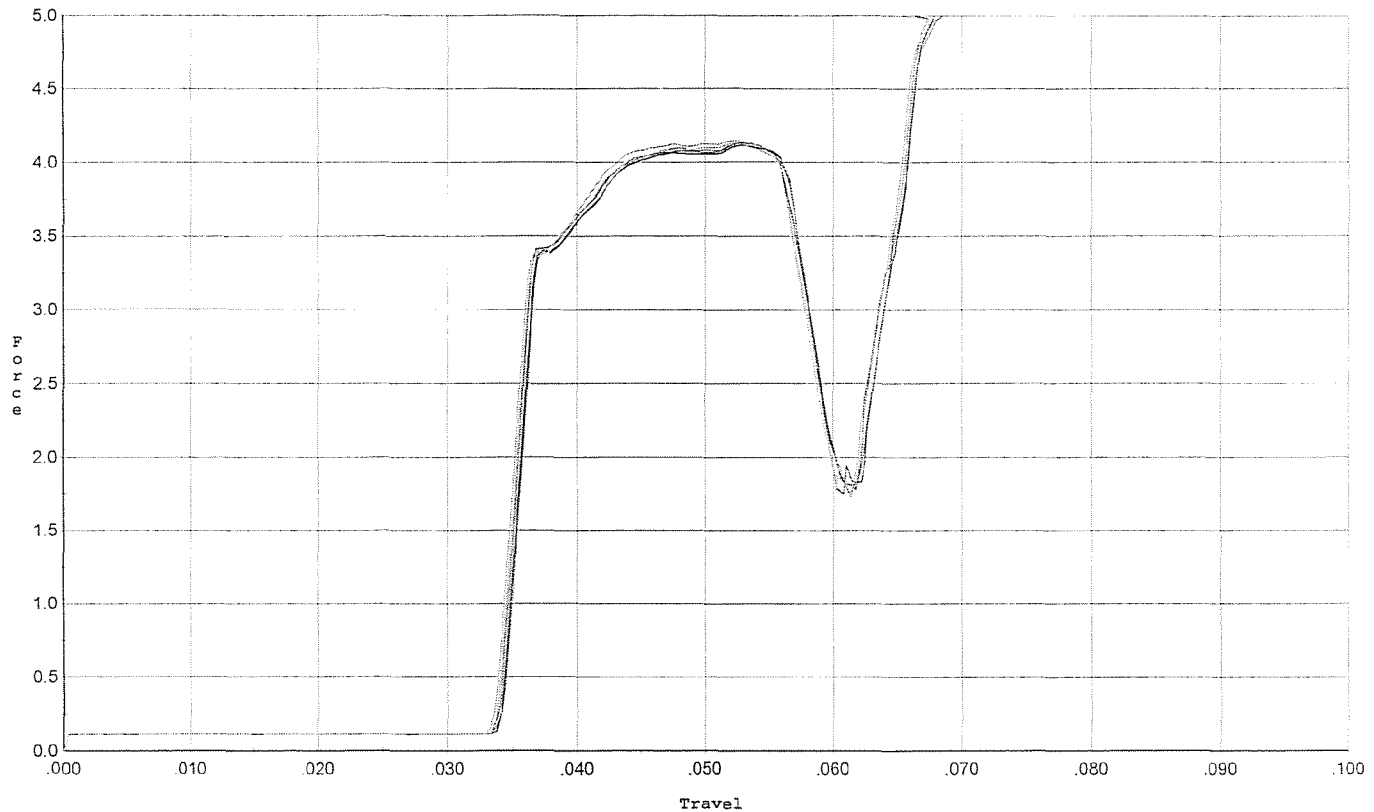
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.428	0.059	0.036	0.031	0.053		Set Trigger
2	2.493	0.059	0.035	0.031	0.055		Set Trigger
3	2.491	0.057	0.035	0.031	0.053		Set Trigger
4	2.490	0.057	0.035	0.031	0.053		Set Trigger
5	2.485	0.057	0.035	0.031	0.053		Set Trigger

AVG 2.47

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 4/16/07

Model: M/24
 Serial No: Form #F005
 Trigger: set to 4.0 lbs. +/- 1.0 lbs. for target & accuracy

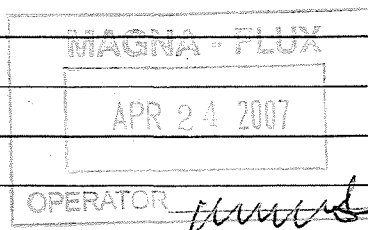


#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.134	0.057	0.034	0.024	0.091		Set Trigger
2	4.113	0.057	0.034	0.024	0.089		Set Trigger
3	4.131	0.057	0.034	0.024	0.089		Set Trigger
4	4.148	0.056	0.034	0.024	0.089		Set Trigger
5	4.131	0.056	0.034	0.024	0.088		Set Trigger

Avg 4.13

BARBER - M24 0020462 M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	127464		
SERIAL NUMBER	C6594623		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/24/07	TRW
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	LB
620	APPLY COATINGS	4-25-07	WJ
625	FINAL ASSEMBLY	5-7-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	5-8-07 TRW
650	TARGET	(PASS) FAIL	5-8-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	5-8-07 Fm
670	FINAL INSPECTION	5-11-07	RTZ
	A) HEADSPACE	PASS FAIL	5-11-07 RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.36 2.35 2.38 2.39 2.30 5-9-07 TRW	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 8.75 8.5 8.5 5-9-07 TRW	
	G) SAFETY OFF FORCE	2 LBS MIN 2.25 2.25 2.25 5-9-07 TRW	
690	I) FIRING PIN INDENT	.020 .024 .0245 .024 5-9-07 TRW	
	PACK	5-14-07 RTZ	



Remington
MODEL 700TH M24

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

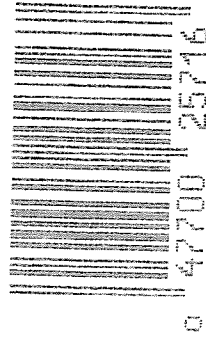
DUPONT
REGISTERED TRADE MARK

SERIAL NO.
C6594623

ORDER NO.
5716

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

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594623

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	Y.B.
617	Drill and Tap Sight Holes		1-10-91	FB
618	Polish Barrel		1-10-91	WB
620	Apply Coatings (Barrel Action)		1-26-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	KA
	C) Inspect Ejector Hole for Chamfer		2/6/91	KA
	D) Oil Firing Pin Ass'y		2/6/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/8/91	JA

op. #	BARBER - M24 0020465 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 3/4			2/11/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			2/11/91	WB
	H) Trigger Pull Test & Retainability						2/8/91	JH
	I) Firing Pin Indent	.0205	.020	.020			2/11/91	WB
	J) Assemble Stock						2/11/91	KH
	K) Assemble Swivel Studs						2-21-91	A
	L) Attach Front and Rear Sight Assemblies						2/11/91	KH
	M) Iron Sight Alignment						2/11/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/11/91	KH
	O) Attach Scope to Rifle						2/11/91	KH
	P) Detach & Attach Scope 20 Times						2/11/91	KH
640	Gallery Target & Test						2-11-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-11-91	AF
655	Final Inspection							
	A) Headspace						2-21-91	A
	B) Trigger Pull	2.59	2.58	2.58	2.58	2.57	2/18/91	WB
	C) Function						2-21-91	A
660	Pack						3-19-91	AF

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594623DATE 2/8/91TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.47	2.50	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.46	2.36	2.58	
PULL #3	2.49	2.43	2.38	2.58	
PULL #4	2.45	2.46	2.44	2.58	
PULL #5	2.36	2.48	2.42	2.57	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.58	3.38		
PULL #2	3.37	3.43		
PULL #3	3.33	3.53		
PULL #4	3.33	3.54		
PULL #5	3.35	3.49		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.49		4.22
PULL #2	4.47	4.16		4.22
PULL #3	4.26	4.54		4.18
PULL #4	4.51	4.25		4.17
PULL #5	4.22	4.26		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594623
12 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0876812
1 TO	2	.173349
1 TO	3	.0433244
1 TO	4	.272259
1 TO	5	.284803

✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0508
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0862
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .100055
THE AMR FOR THIS RIFLE IS: .9458

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594623

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS = 2.345

VS = 3.123

GS = 3.254

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.023	1.015	.864
MINIMUM X	:	-1.322	-1.330	-1.481
MAXIMUM Y	:	1.021	.787	.659
MINIMUM Y	:	-2.102	-1.027	-.633
CENTROID X	:	.062	.070	.221
CENTROID Y	:	.062	.296	.424
POA TO CENTROID in.	:	.088	.304	.478
MIN RADIUS	:	.346	.268	.440
MEAN RADIUS	:	1.106	.954	.866
MAX RADIUS	:	2.104	1.581	1.521
HORIZONTAL SPREAD	:	2.345	2.345	2.345
VERTICAL SPREAD	:	3.123	1.814	1.292
EXTREME SPREAD	:	3.254	2.726	2.386
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.371

VS= 2.263

GS= 2.267

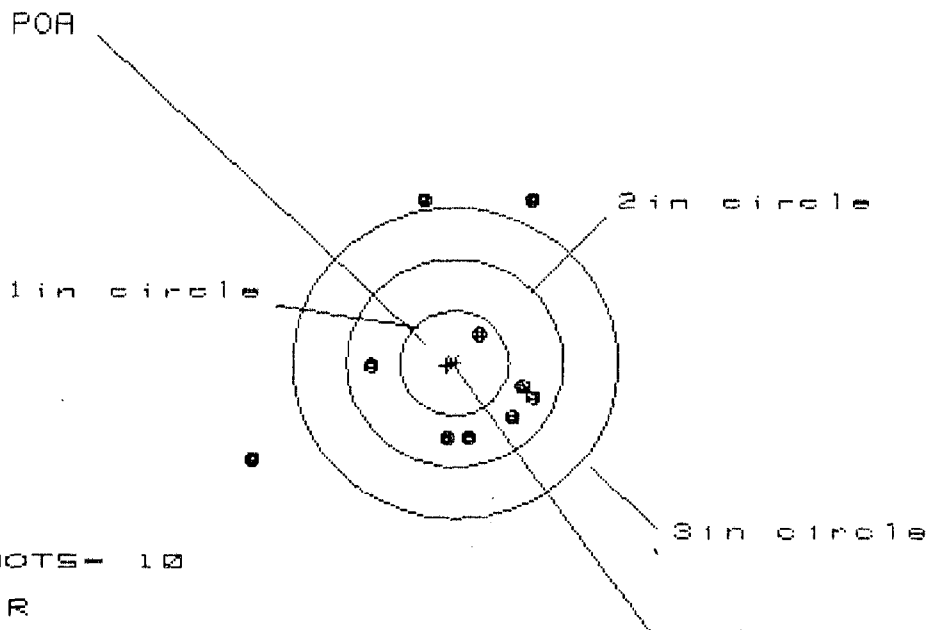
CENTROID *

PATTERN #	:	12	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.595	.553	.577
MINIMUM X	:	-.776	-.818	-.794
MAXIMUM Y	:	1.340	1.439	.869
MINIMUM Y	:	-.923	-.774	-.594
CENTROID X	:	.073	.115	.091
CENTROID Y	:	-.111	-.260	-.440
POA TO CENTROID in.	:	.133	.284	.449
MIN RADIUS	:	.370	.235	.072
MEAN RADIUS	:	.760	.640	.496
MAX RADIUS	:	1.393	1.452	.896
HORIZONTAL SPREAD	:	1.371	1.371	1.371
VERTICAL SPREAD	:	2.263	2.213	1.463
EXTREME SPREAD	:	2.267	2.266	1.542
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3

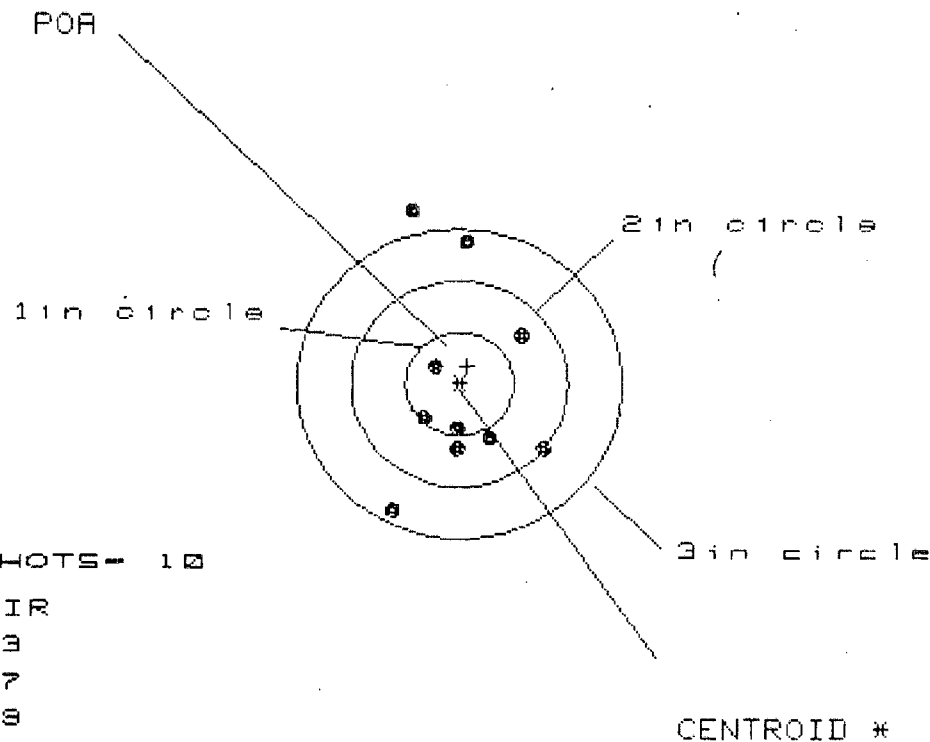


PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.769	.566	.592
MINIMUM X	-1.828	-1.022	-.951
MAXIMUM Y	1.598	1.501	1.656
MINIMUM Y	-.877	-.818	-.631
CENTROID X	.076	.279	.208
CENTROID Y	.021	.118	-.069
POA TO CENTROID in.	.078	.303	.219
MIN RADIUS	.317	.139	.336
MEAN RADIUS	1.025	.886	.762
MAX RADIUS	2.027	1.604	1.717
HORIZONTAL SPREAD	2.597	1.588	1.543
VERTICAL SPREAD	2.475	2.319	2.287
EXTREME SPREAD	3.587	2.444	2.336
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.348

VS= 2.870

GS= 2.876

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.756	.711	.709
MINIMUM X	:	-.592	-.637	-.639
MAXIMUM Y	:	1.677	1.539	.884
MINIMUM Y	:	-1.193	-1.007	-.814
CENTROID X	:	-.072	-.027	-.025
CENTROID Y	:	-.175	-.361	-.554
POA TO CENTROID in.	:	.189	.362	.554
MIN RADIUS	:	.341	.216	.086
MEAN RADIUS	:	.858	.712	.556
MAX RADIUS	:	1.725	1.539	1.035
HORIZONTAL SPREAD	:	1.348	1.348	1.348
VERTICAL SPREAD	:	2.870	2.546	1.698
EXTREME SPREAD	:	2.876	2.620	2.056
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 0

2in = 6

3in = 10

HS = 1.987

VS = 2.334

GS = 2.345

CENTROID *

PATTERN #	15	15	15
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.709	.567	.525
MINIMUM X	-1.278	-.851	-.893
MAXIMUM Y	1.431	1.517	1.163
MINIMUM Y	-.903	-.817	-.627
CENTROID X	.115	.257	.299
CENTROID Y	-.228	-.314	-.504
POA TO CENTROID in.	.256	.406	.586
MIN RADIUS	.519	.548	.385
MEAN RADIUS	.980	.892	.768
MAX RADIUS	1.494	1.553	1.276
HORIZONTAL SPREAD	1.987	1.418	1.418
VERTICAL SPREAD	2.334	2.334	1.790
EXTREME SPREAD	2.345	2.345	2.247
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		