

C6348799

MODEL 760TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead^{III}
No. 2-152-51

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: RE00168586

Serial: C6348799 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 5/26/2009 1:13:33 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: COMMANDER 1ST BN 1ST SFG (AIRBORNE)

COMMANDER 1ST BN 1ST SFG (AIRBORNE)

Address 1: UNIT 35123 BLDG 100

UNIT 35123 BLDG 100

Address 2: TORRI STATION, ATTN:

PO Box:

TORRI STATION, ATTN:

PO Box:

City: APO AP

APO AP

State:

Zip Code: 96376

Country: IT

State:

Zip Code: 96376

Country: IT

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Refresh

Close

Repair Search

Refresh

Close

magleij

5/26/2009

1:41 PM

CAPS

NUM

INS

SCRL



Serial Number:

C6348799

Model: M24 SWS



RE00168586

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007.

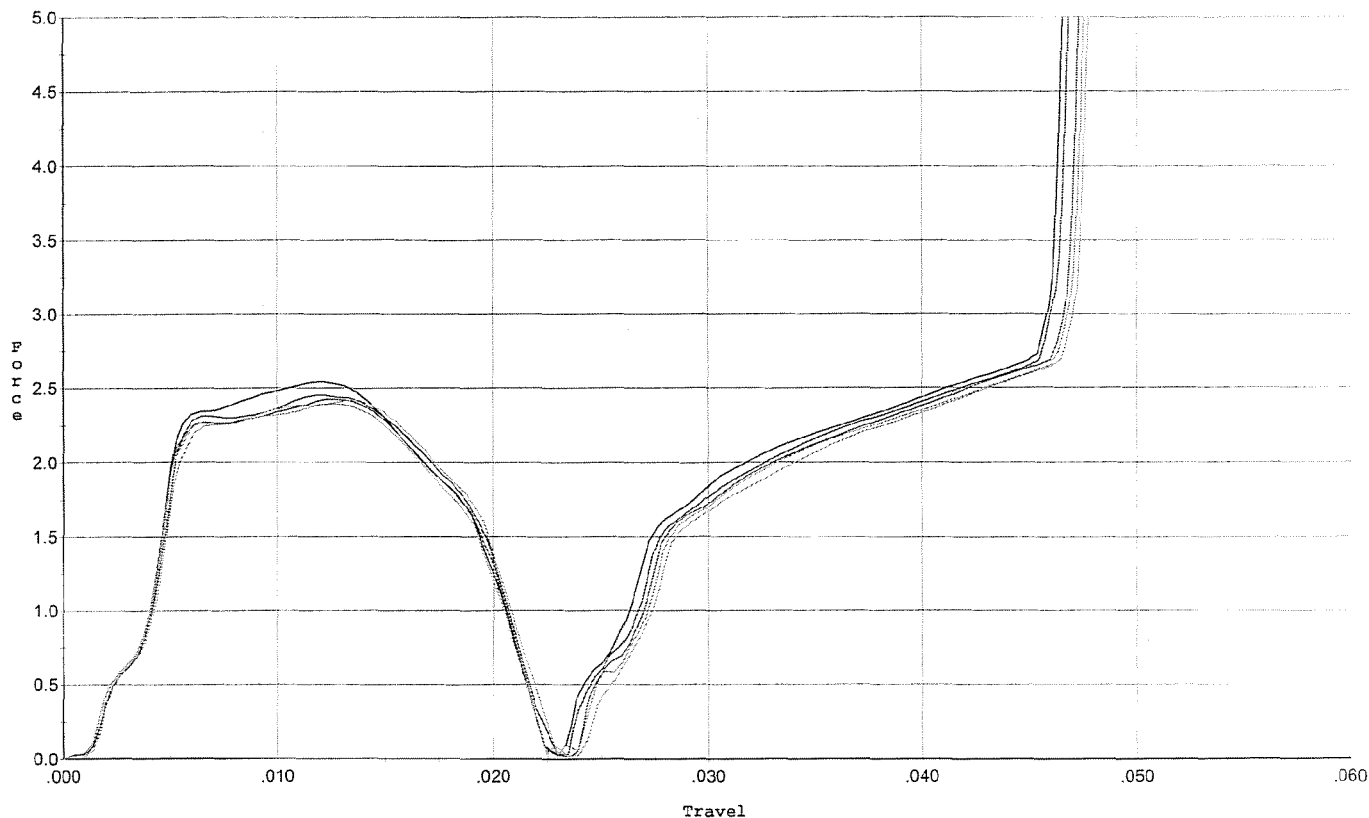
R & E NUMBER <u>1168586</u>			
SERIAL NUMBER <u>C6348799</u>			
LOG-IN DATE <u>5-26-09</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-27-09	RT
505	RE-BARREL	5-28-09	PR
420	ASSEMBLE	5-28-09	RT
440	PROOF	5-28-09	SPD
460	CHECK HEADSPACE	5-28-09	L.P.D.
470	DIS-ASSEMBLE GUN	5-28-09	L.P.D.
480	MAGNAFLUX	5/30/09	(D)
510	DRILL AND TAP	5-29-09	SP
500	ROLLMARK CALIBER	6/1/09	RT
520	GOFF BLAST BBL / REC	6-1-09	DWO
530 & 540	APPLY COATINGS	6-3	C
560	FINAL ASSEMBLY	6-3-09	L.P.D.
640	FUNCTION TEST AND	(PASS) FAIL	6/9/09 RB
650	TARGET	(PASS) FAIL	6/9/09 RB
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		6/9/09 TGR
	A) HEADSPACE	(PASS) FAIL	6-12-09 L.P.D.
	B) TRIGGER PULL	2.79 286 286 284 288	6-12-09 RT
680	F) SAFETY ON FORCE	4.0 4.0 4.0	6-12-09 L.H.
	G) SAFETY OFF FORCE	6.0 6.0 6.0	6-12-09 L.H.
	I) FIRING PIN INDENT	.021 .022 .021	6-12-09 L.H.
690	PACK		6-12-09 FM

F006 REV 1/2009

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



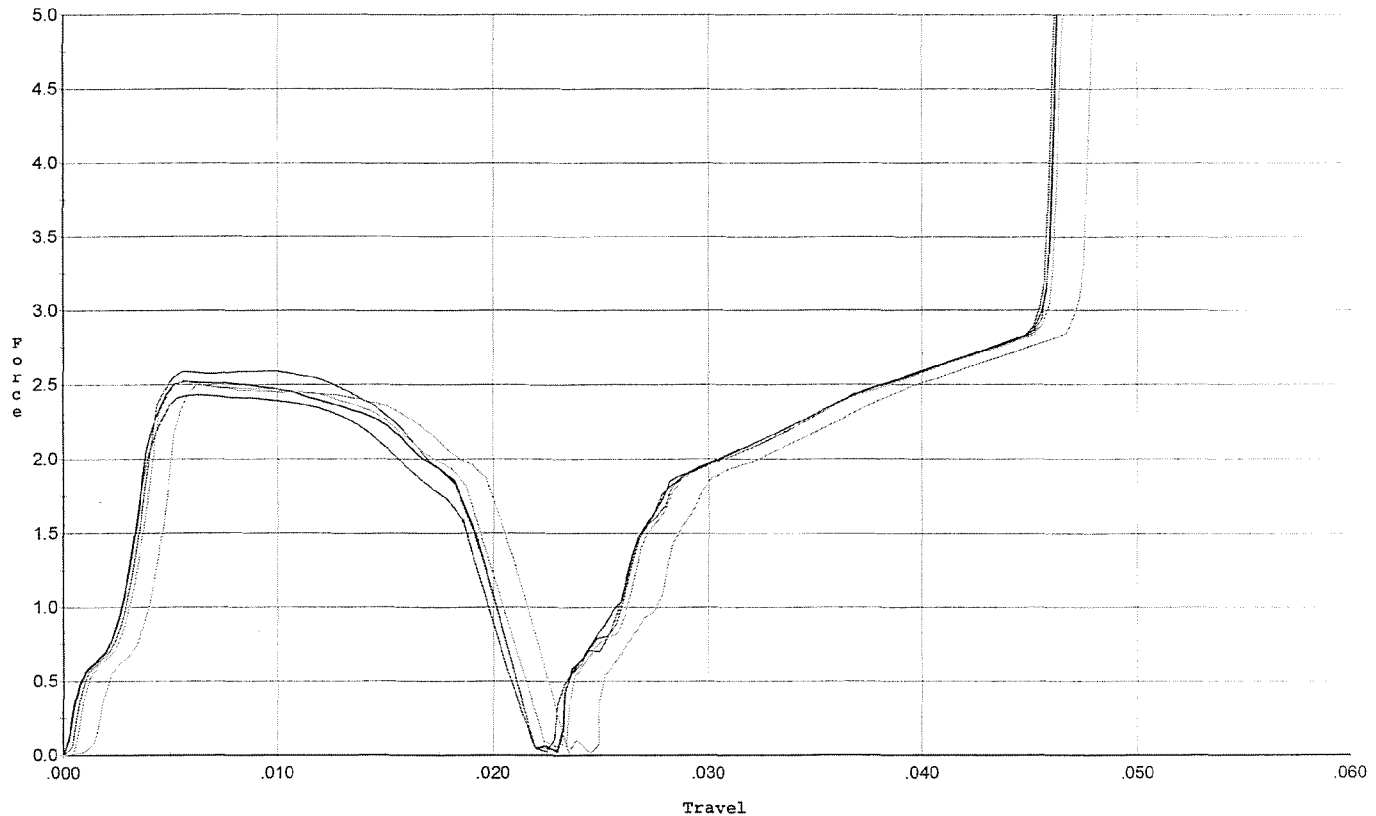
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.450	0.020	0.00	0.032	0.034		Set Trigger
2	2.541	0.020	0.00	0.031	0.035		Set Trigger
3	2.424	0.020	0.00	0.032	0.034		Set Trigger
4	2.393	0.020	0.00	0.033	0.034		Set Trigger
5	2.417	0.020	0.00	0.032	0.033		Set Trigger

Aug 244

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



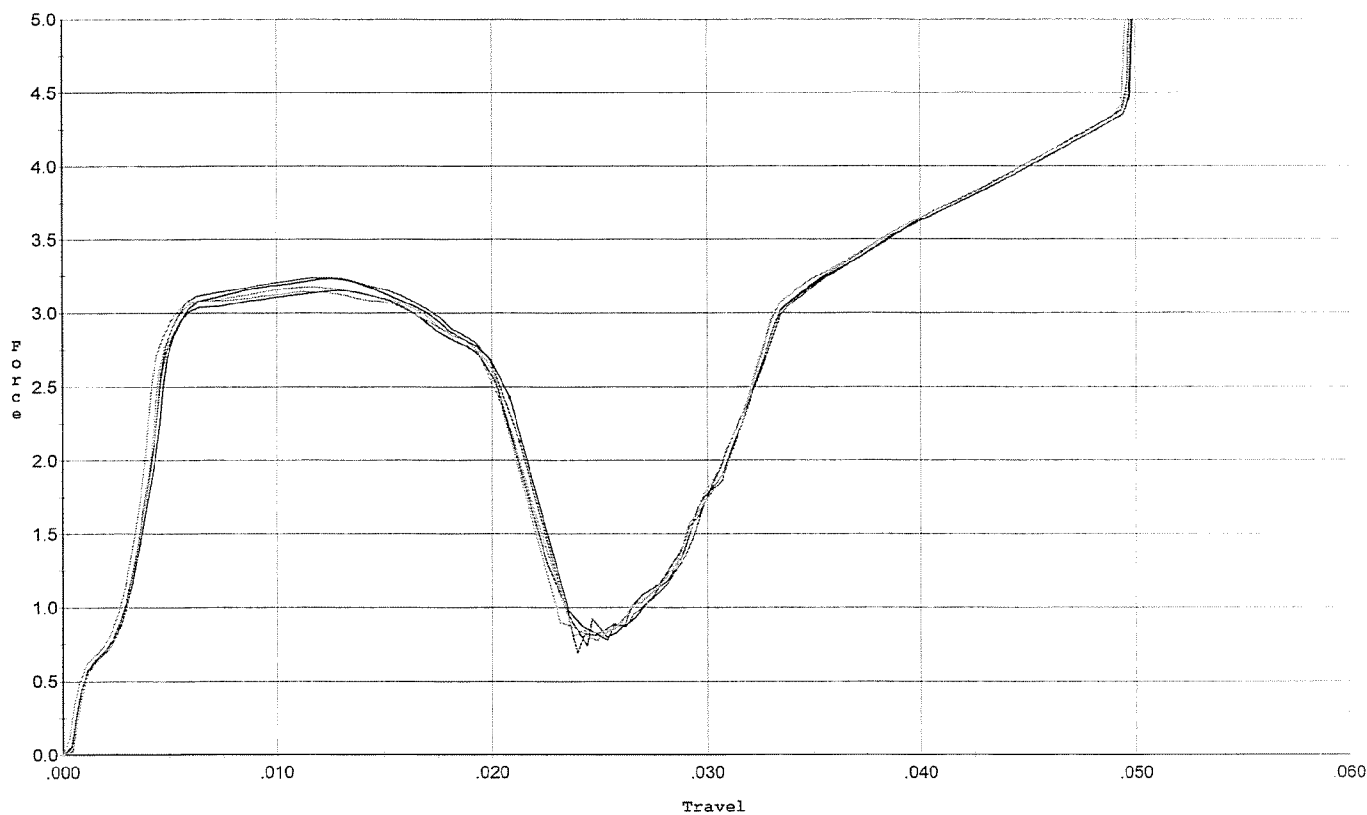
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.431	0.019	0.00	0.031	0.034		Set Trigger
2	2.523	0.019	0.00	0.031	0.036		Set Trigger
3	2.590	0.019	0.00	0.031	0.037		Set Trigger
4	2.529	0.021	0.00	0.031	0.038		Set Trigger
5	2.498	0.021	0.00	0.032	0.038		Set Trigger

Avg 2.51

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



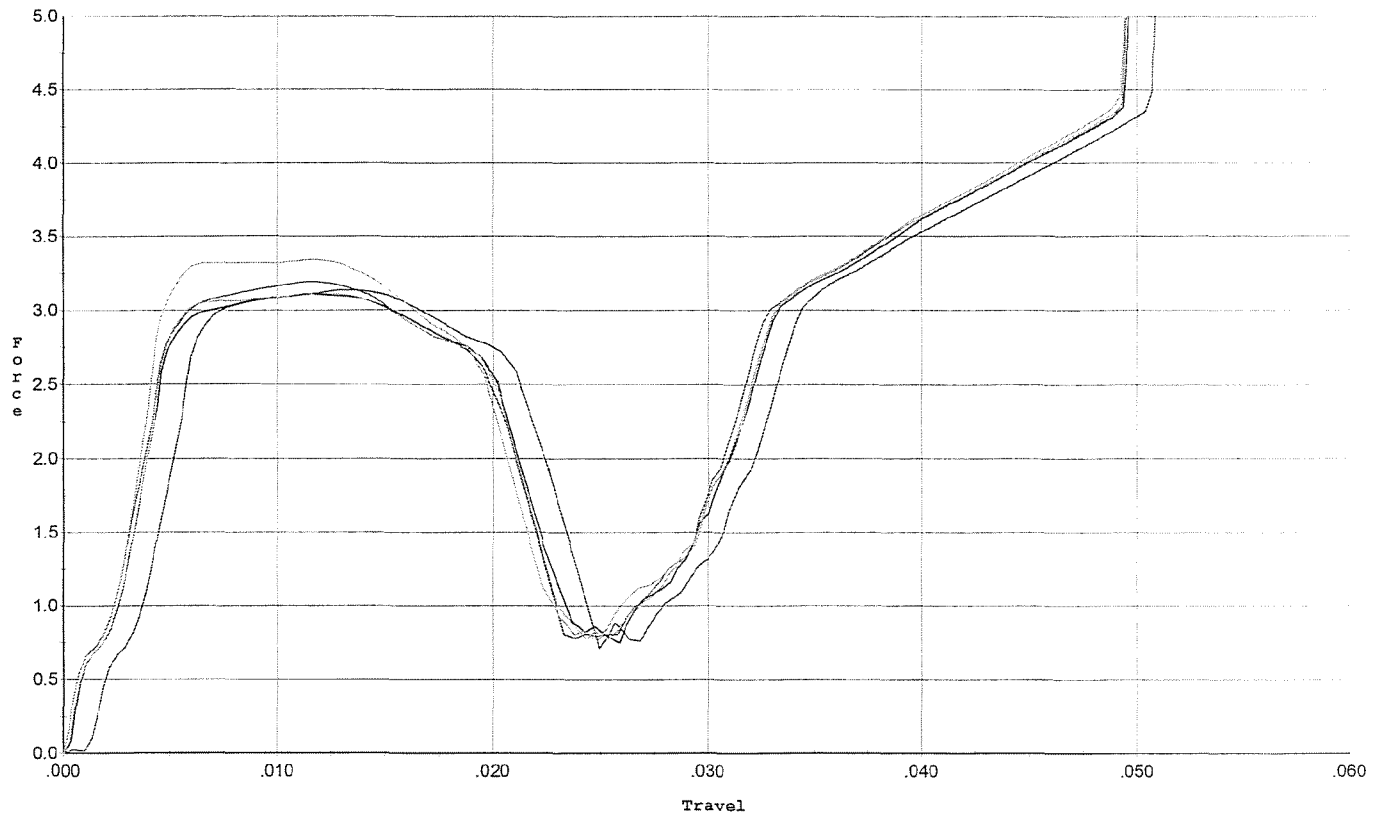
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.150	0.020	0.00	0.032	0.048		Set Trigger
2	3.231	0.021	0.00	0.032	0.050		Set Trigger
3	3.236	0.021	0.00	0.032	0.051		Set Trigger
4	3.175	0.020	0.00	0.032	0.048		Set Trigger
5	3.144	0.020	0.00	0.032	0.049		Set Trigger

Avg 3.18

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



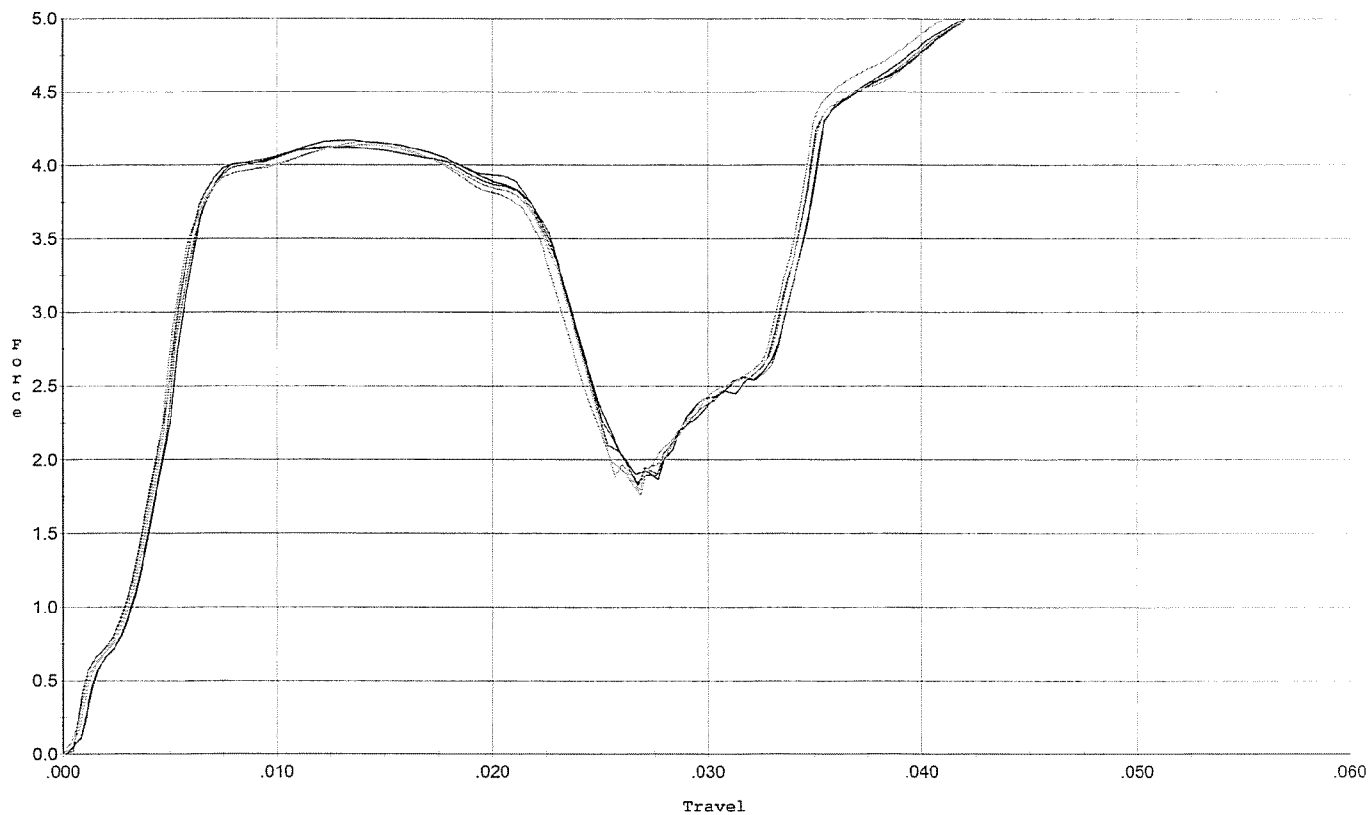
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.137	0.023	0.00	0.032	0.051		Set Trigger
2	3.110	0.020	0.00	0.032	0.048		Set Trigger
3	3.193	0.021	0.00	0.031	0.049		Set Trigger
4	3.342	0.020	0.00	0.032	0.049		Set Trigger
5	3.113	0.020	0.00	0.032	0.048		Set Trigger

Aug 3.17

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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



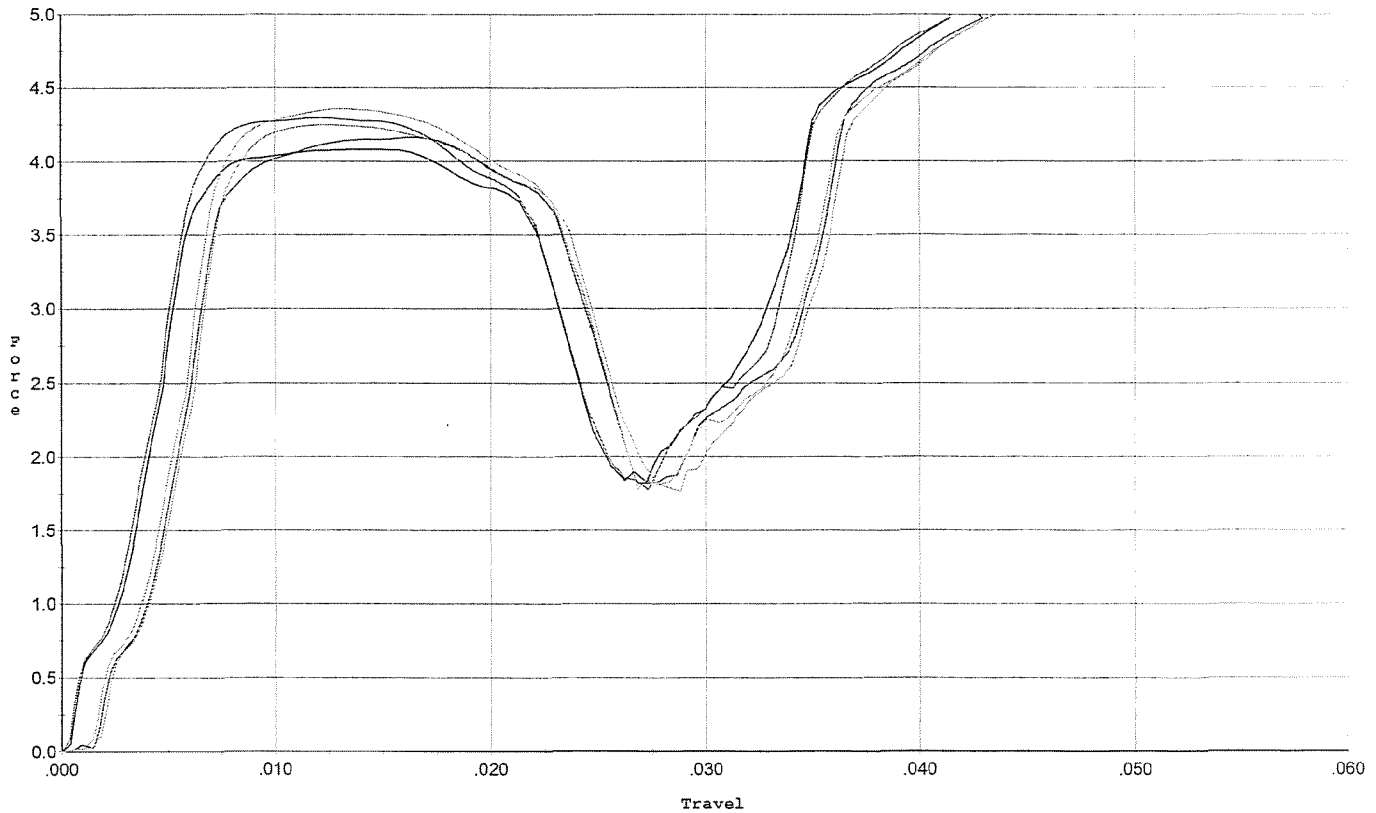
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.121	0.023	0.00	0.028	0.069		Set Trigger
2	4.168	0.023	0.00	0.029	0.068		Set Trigger
3	4.127	0.023	0.00	0.029	0.068		Set Trigger
4	4.136	0.023	0.00	0.029	0.069		Set Trigger
5	4.160	0.022	0.00	0.029	0.067		Set Trigger

Aug 4.14

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



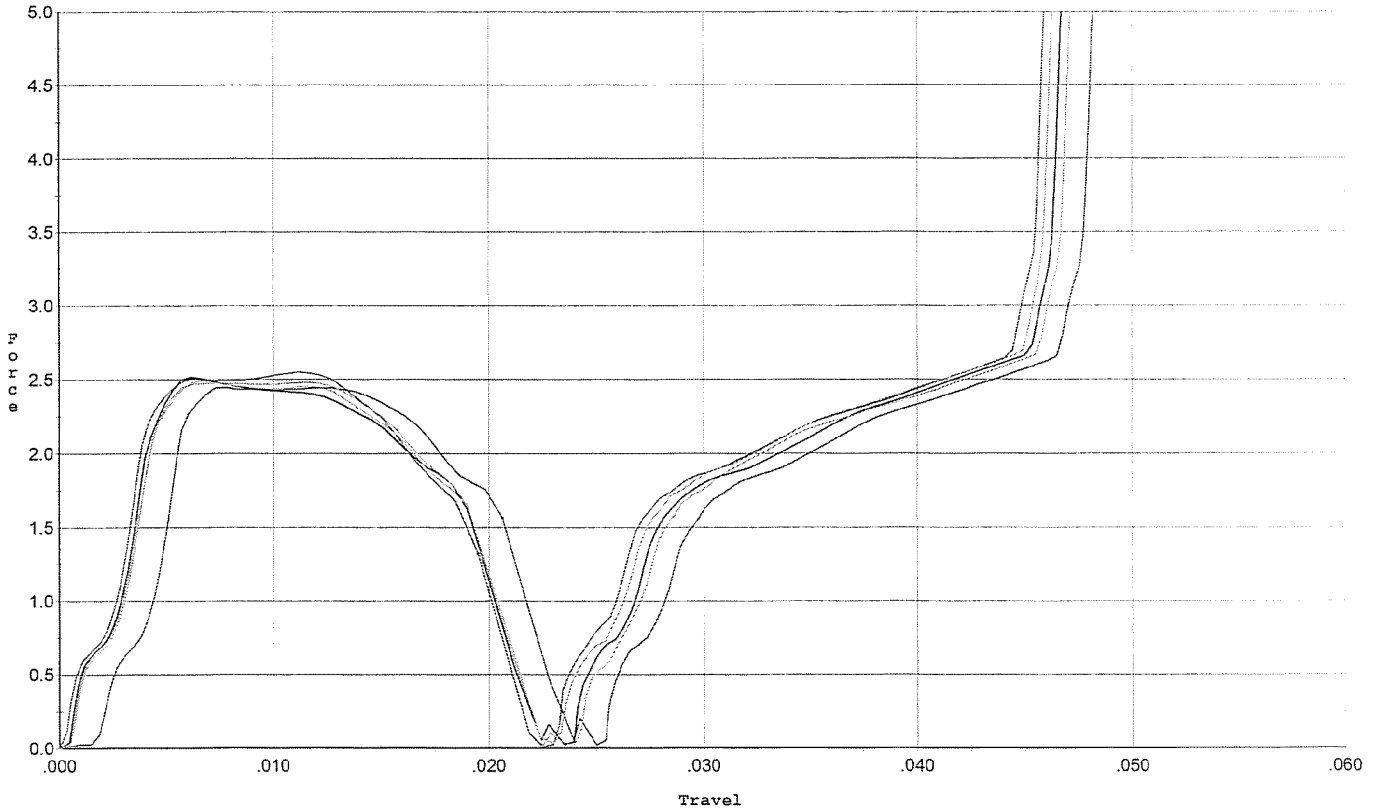
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.164	0.025	0.00	0.029	0.072		Set Trigger
2	4.082	0.022	0.00	0.029	0.067		Set Trigger
3	4.294	0.022	0.00	0.029	0.069		Set Trigger
4	4.356	0.024	0.00	0.029	0.074		Set Trigger
5	4.248	0.024	0.00	0.030	0.069		Set Trigger

Avg 4.22

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R.P. 5/18/09

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



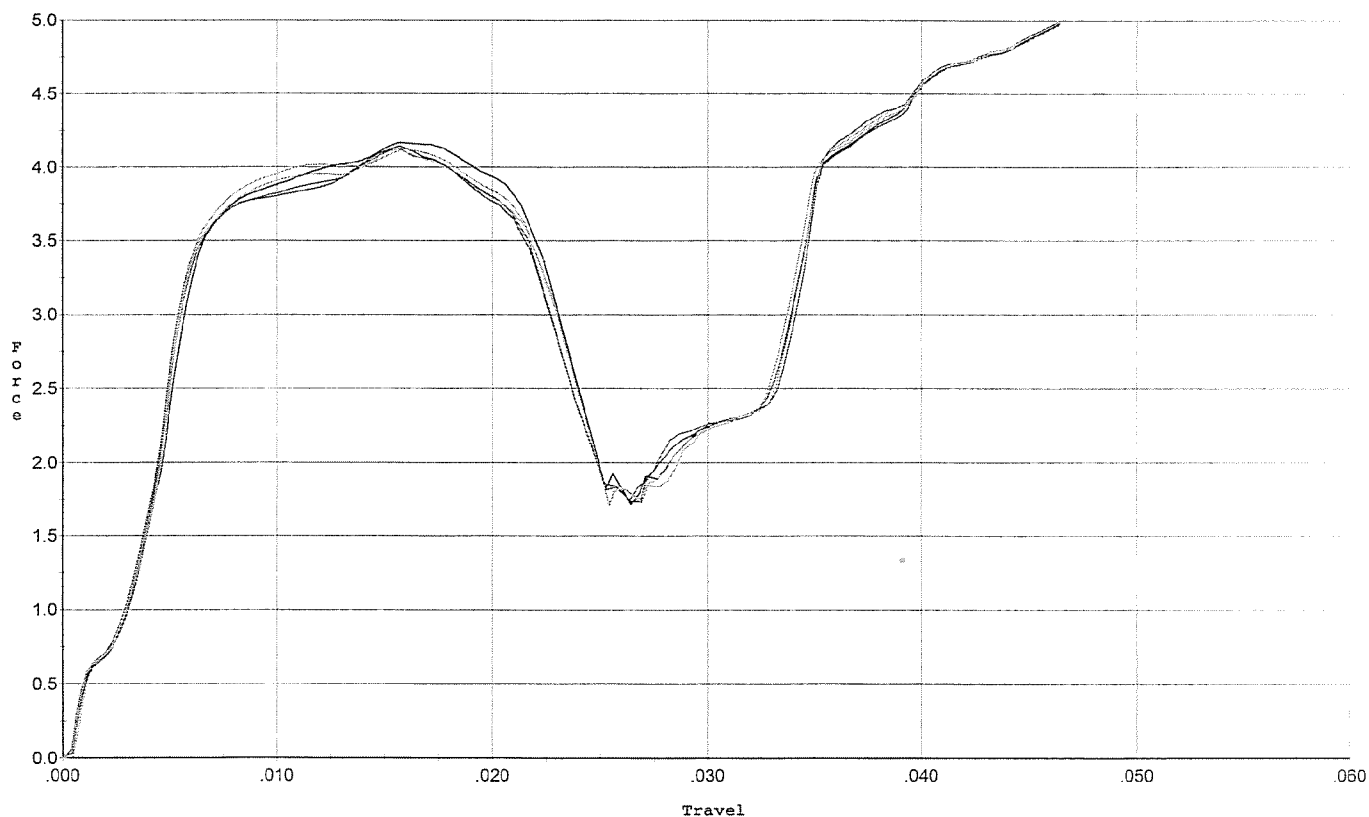
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.446	0.021	0.00	0.032	0.035		Set Trigger
2	2.517	0.019	0.00	0.032	0.035		Set Trigger
3	2.550	0.019	0.00	0.031	0.037		Set Trigger
4	2.490	0.021	0.00	0.032	0.037		Set Trigger
5	2.478	0.019	0.00	0.032	0.035		Set Trigger

Avg 2.49

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R.P. 5/18/09

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	4.142	0.022	0.00	0.029	0.063		Set Trigger
2	4.167	0.022	0.00	0.029	0.066		Set Trigger
3	4.123	0.022	0.00	0.029	0.064		Set Trigger
4	4.114	0.023	0.00	0.029	0.066		Set Trigger
5	4.124	0.023	0.00	0.029	0.068		Set Trigger

Avg 4.13

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348799.___0

FILE DATE AND TIME: 06/09/2009 14:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

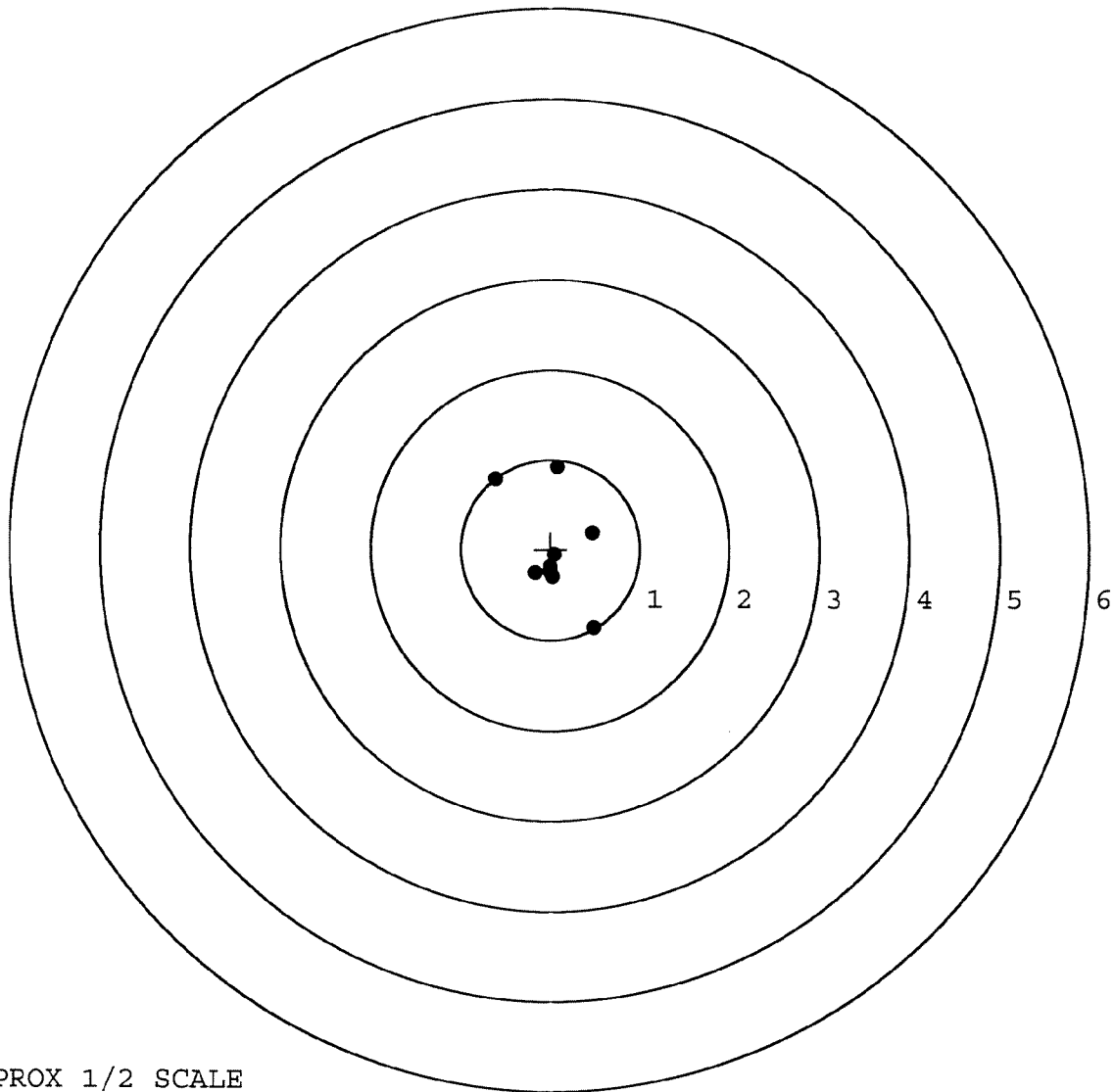
The Average X Centroid of the Five Target Set:	0.024
The Average Y Centroid of the Five Target Set:	0.048
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.518
The Distance from POA to Centroid Target #1:	0.040
The Distance from Centroid Target #2 to Centroid Target #1:	0.077
The Distance from Centroid Target #3 to Centroid Target #1:	0.233
The Distance from Centroid Target #4 to Centroid Target #1:	0.043
The Distance from Centroid Target #5 to Centroid Target #1:	0.106

BARBER - M24 0064361

SERIAL NUMBER: C6348799. __0
TARGET NUMBER: 1
FILE DATE: 06/09/2009
FILE TIME: 14:17

POINT#	X	Y
1:	-0.620	0.785
2:	0.079	0.915
3:	0.468	0.186
4:	0.484	-0.868
5:	0.026	-0.313
6:	-0.176	-0.264
7:	0.043	-0.064
8:	-0.008	-0.194
9:	-0.013	-0.258
10:	-0.013	-0.214

X CENTROID: 0.027
Y CENTROID: -0.029
POA TO CENTROID: 0.040
HORZ SPREAD: 1.104
VERT SPREAD: 1.783
GROUP SPREAD: 1.988
MIN RADIUS: 0.039
MAX RADIUS: 1.040
MEAN RADIUS: 0.466
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

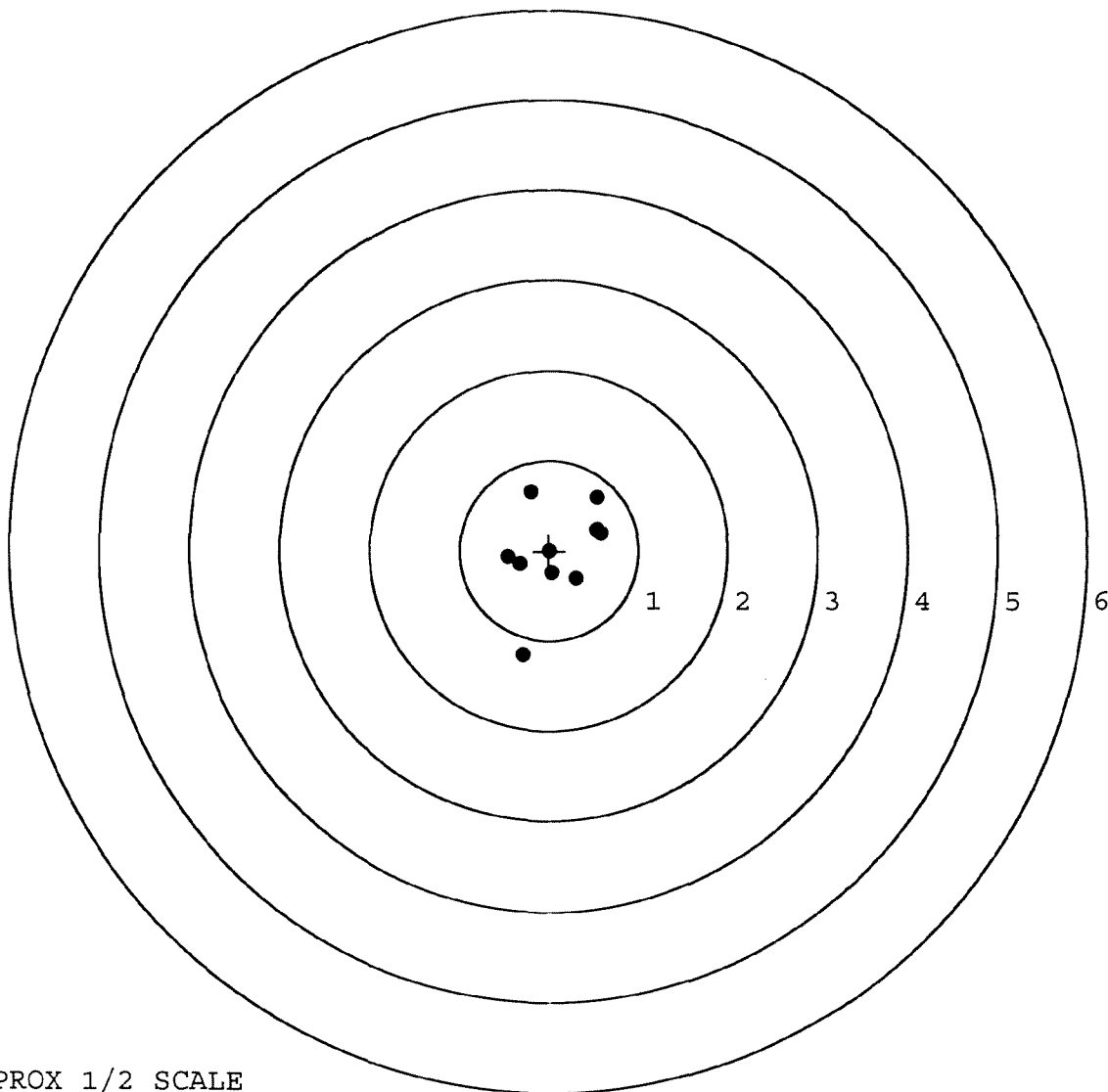


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348799. __0
 TARGET NUMBER: 2
 FILE DATE: 06/09/2009
 FILE TIME: 14:17

POINT#	X	Y
1:	-0.003	-0.004
2:	-0.003	-0.007
3:	-0.210	0.654
4:	0.536	0.593
5:	0.574	0.196
6:	0.301	-0.309
7:	0.028	-0.242
8:	-0.304	-1.166
9:	-0.463	-0.068
10:	-0.329	-0.151
11:	0.534	0.240
12:	0.529	0.233

X CENTROID: 0.099
 Y CENTROID: -0.003
 POA TO CENTROID: 0.099
 HORZ SPREAD: 1.037
 VERT SPREAD: 1.820
 GROUP SPREAD: 1.949
 MIN RADIUS: 0.102
 MAX RADIUS: 1.231
 MEAN RADIUS: 0.503
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 11
 # in 3 IN DIAMETER: 12

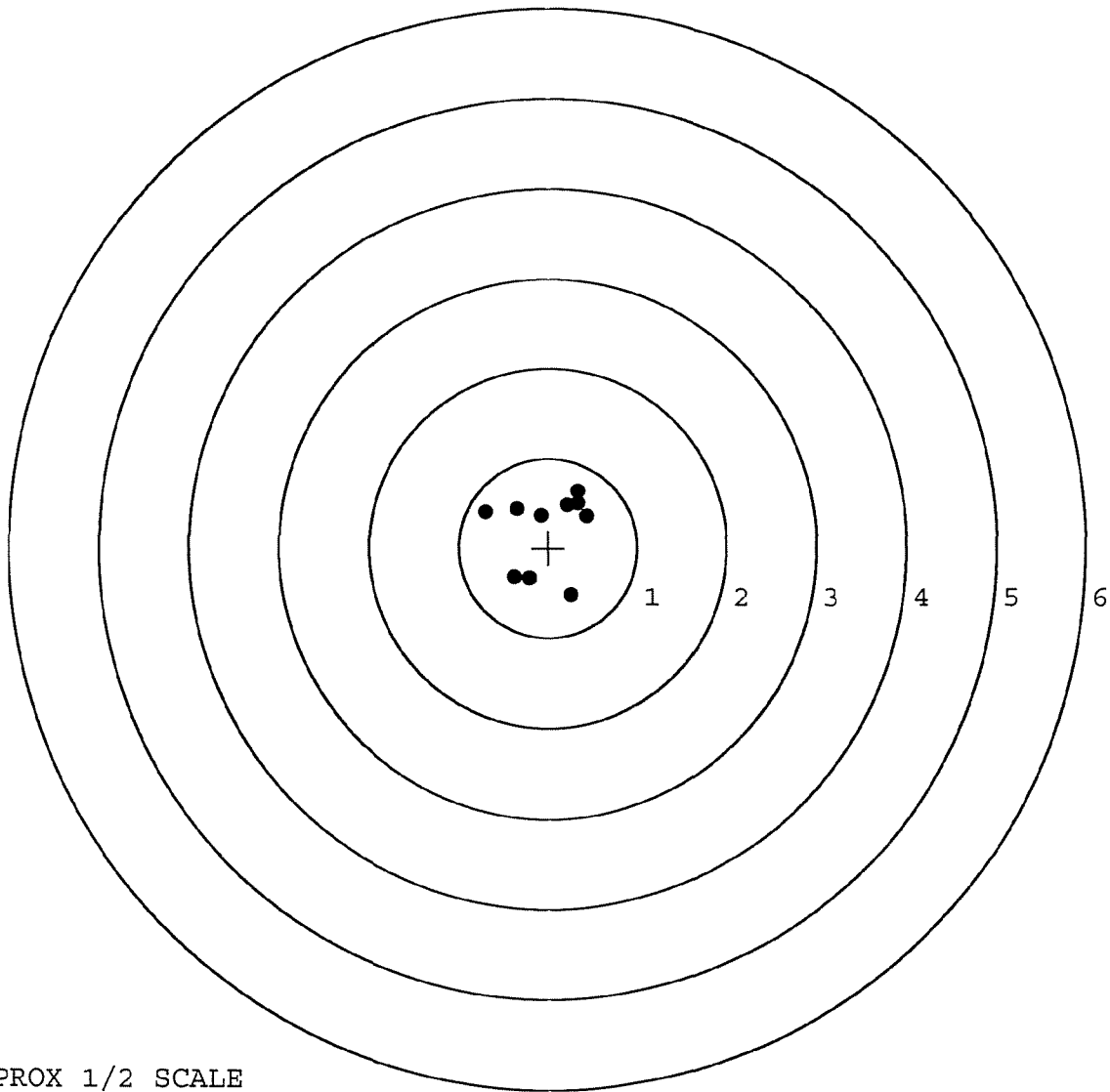


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348799. __0
 TARGET NUMBER: 3
 FILE DATE: 06/09/2009
 FILE TIME: 14:17

POINT#	X	Y
1:	0.259	-0.529
2:	-0.217	-0.341
3:	-0.386	-0.328
4:	-0.710	0.401
5:	-0.354	0.437
6:	-0.092	0.365
7:	0.433	0.360
8:	0.332	0.636
9:	0.210	0.483
10:	0.328	0.505

X CENTROID: -0.020
 Y CENTROID: 0.199
 POA TO CENTROID: 0.200
 HORZ SPREAD: 1.143
 VERT SPREAD: 1.165
 GROUP SPREAD: 1.343
 MIN RADIUS: 0.181
 MAX RADIUS: 0.779
 MEAN RADIUS: 0.518
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



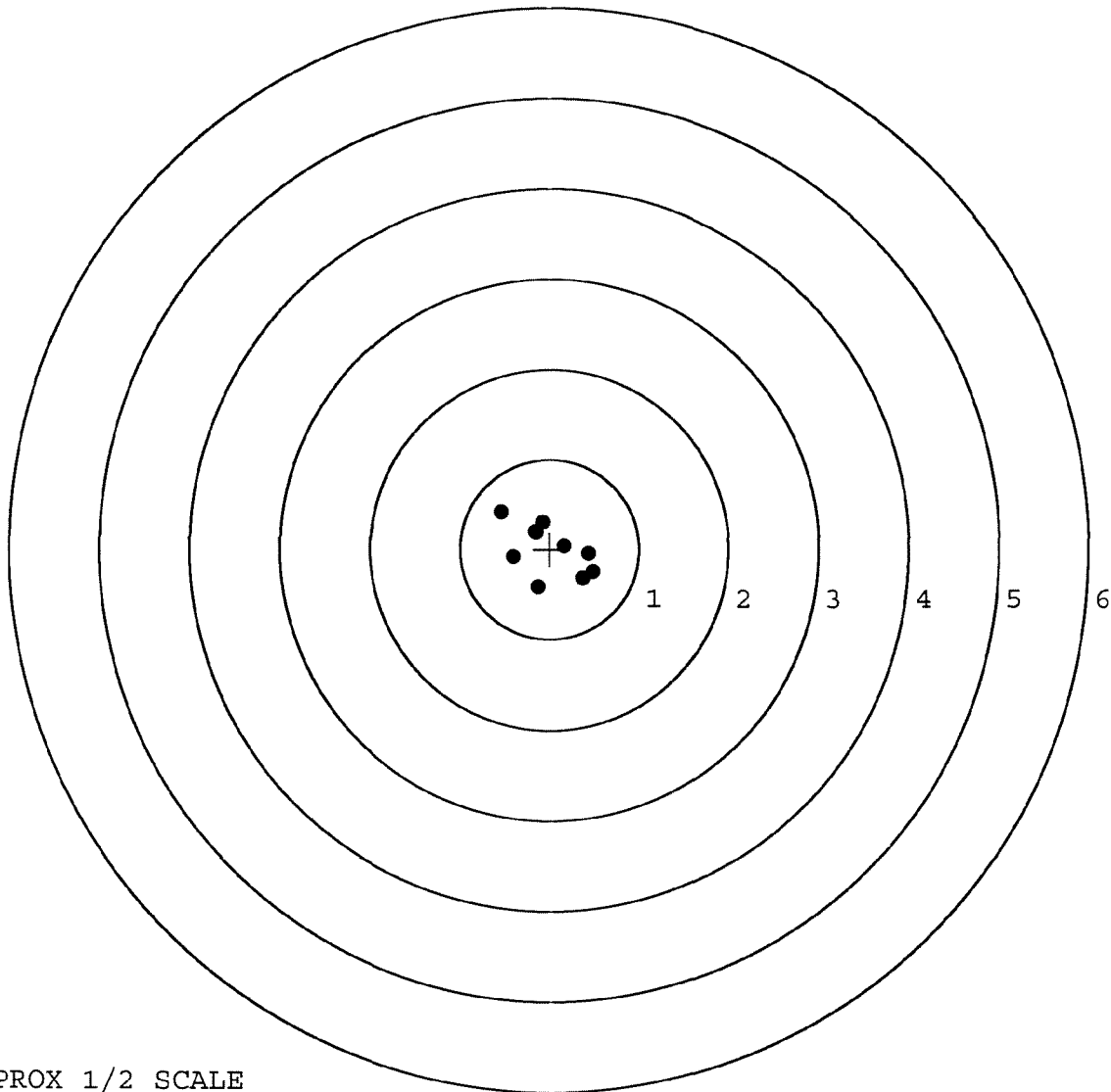
TARGET APPROX 1/2 SCALE

BARBER - M24 0064364

SERIAL NUMBER: C6348799. __0
 TARGET NUMBER: 4
 FILE DATE: 06/09/2009
 FILE TIME: 14:17

POINT#	X	Y
1:	-0.551	0.414
2:	-0.407	-0.093
3:	-0.136	-0.426
4:	0.369	-0.330
5:	0.481	-0.255
6:	0.435	-0.060
7:	0.163	0.036
8:	-0.092	0.303
9:	-0.167	0.195
10:	-0.163	0.193

X CENTROID: -0.007
 Y CENTROID: -0.002
 POA TO CENTROID: 0.007
 HORZ SPREAD: 1.032
 VERT SPREAD: 0.840
 GROUP SPREAD: 1.230
 MIN RADIUS: 0.174
 MAX RADIUS: 0.685
 MEAN RADIUS: 0.403
 # IN 1 IN DIAMETER: 8
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

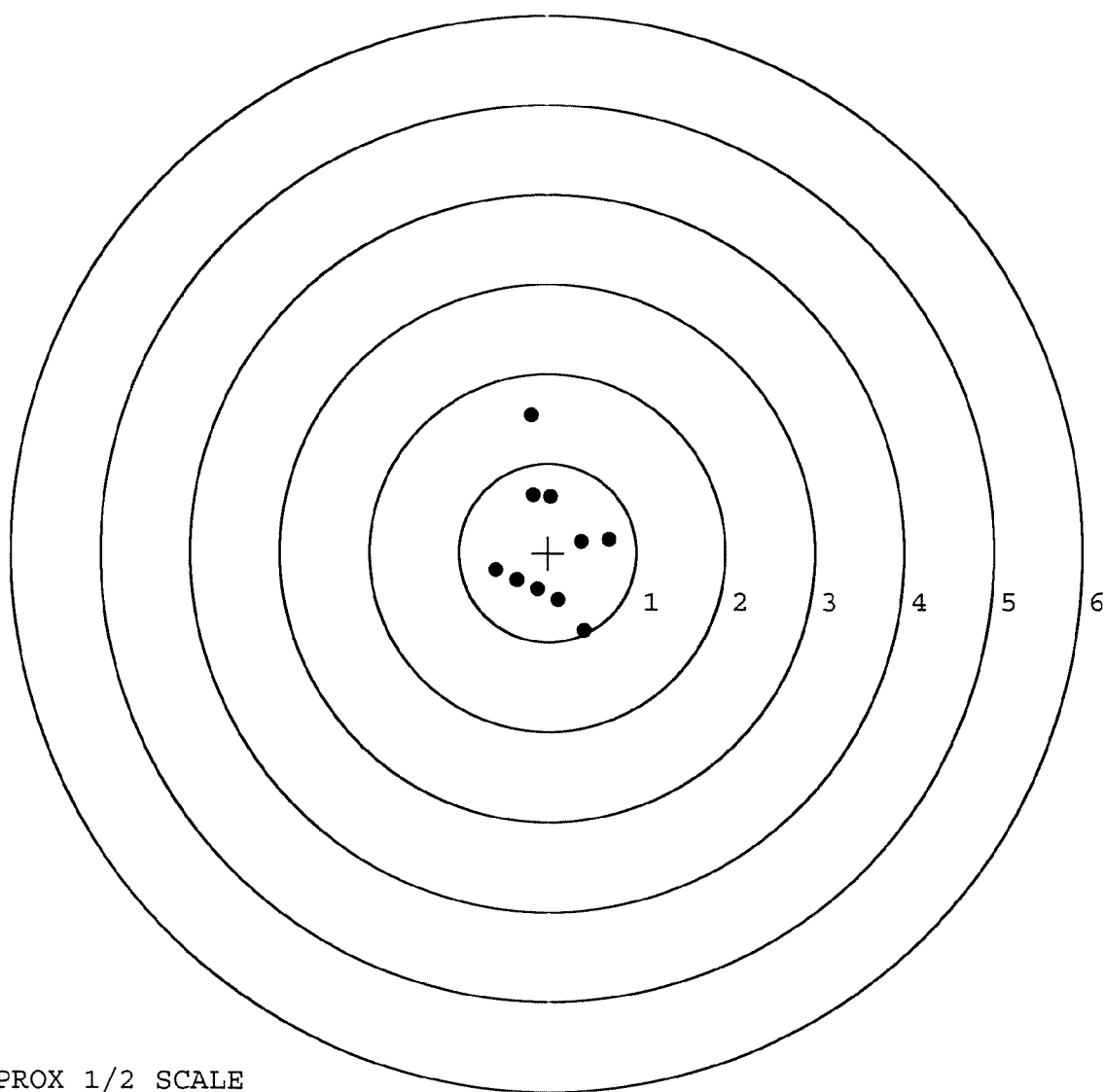


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348799. __0
 TARGET NUMBER: 5
 FILE DATE: 06/09/2009
 FILE TIME: 14:17

POINT#	X	Y
1:	-0.188	1.540
2:	-0.171	0.650
3:	0.031	0.633
4:	0.374	0.121
5:	0.693	0.145
6:	-0.587	-0.197
7:	-0.348	-0.307
8:	-0.126	-0.412
9:	0.114	-0.528
10:	0.407	-0.879

X CENTROID: 0.020
 Y CENTROID: 0.077
 POA TO CENTROID: 0.079
 HORZ SPREAD: 1.280
 VERT SPREAD: 2.419
 GROUP SPREAD: 2.491
 MIN RADIUS: 0.357
 MAX RADIUS: 1.478
 MEAN RADIUS: 0.702
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0064366

Remington



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

MODEL 700TM H24

SERIAL NO.
C6348799

ORDER NO.
5716

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

Ø1



5716 C6348799

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0064366 **M2400064405**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348799

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	7 11 89	RW
600	Proof		7 11 89	RW
607	Check Headspace		7 11 89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		7/13	KCR
	Magnaflux Bolt		7/13	KCR
615	Rollmark Caliber		7/13	Y.S.
617	Drill and Tap Sight Holes	7 13	89	7B
618	Polish Barrel <i>RB</i>	7 13	89	BT
620	Apply Coatings (Barrel Action)		7/21/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/25/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/89	RW
	C) Inspect Ejector Hole for Chamfer		7/25/89	RW
	D) Oil Firing Pin Ass'y		7/25/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1 Aug 89	JS

op. #	BARBER - M24 0064368 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1 Aug 89	JS
	G) Safety Off Force	4	4	4			1 Aug 89	JS
	H) Trigger Pull Test & Retainability						1 Aug 89	JS
	I) Firing Pin Indent	.020	.020	.020			1 Aug 89	JS
	J) Assemble Stock						8/2/89	RW
	K) Assemble Swivel Studs						7 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/2/89	RW
	M) Iron Sight Alignment						8/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/2/89	RW
	O) Attach Scope to Rifle						2 Aug 89	JS
	P) Detach & Attach Scope 20 Times						2 Aug 89	JS
640	Gallery Target & Test	71 R	79 L				8-3-89	A
	A) Time						8-3-89	A
	B) Malfunctions						8-3-89	A
	C) Pierced Primers						8-3-89	A
	D) Optical Clarity of Scope						8-3-89	A
645	Inspect for Live Ammo						8-3-89	A
655	Final Inspection A) Headspace						7 Aug 89	JS
	B) Trigger Pull	2.17	2.16	2.26	2.18	2.15	7 Aug 89	JS
	C) Function						7 Aug 89	JS
660	Pack						19 Sep 89	JS

TRAJECTORY DISTANCE CALCULATIONS

RIFLE # C6348799

Aug 1989

EMIPOIDAL DISTANCES

0 TO	1	.650404
1 TO	2	.654663
1 TO	3	.731057
1 TO	4	.192167
1 TO	5	.640207

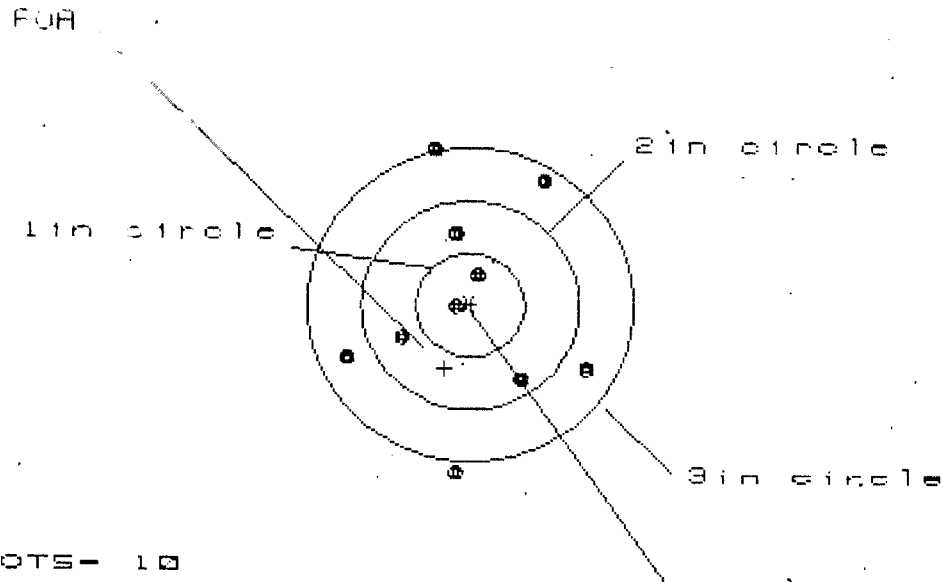
$5 + 2^{\frac{41}{3}}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2888
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3922
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .487059
 THE AMR FOR THIS RIFLE IS: 1.026

Aug 1935

FILE: PATTERNING/CENTERFIRE_PATT/C6348799

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.185

VS= 3.066

GS= 3.071

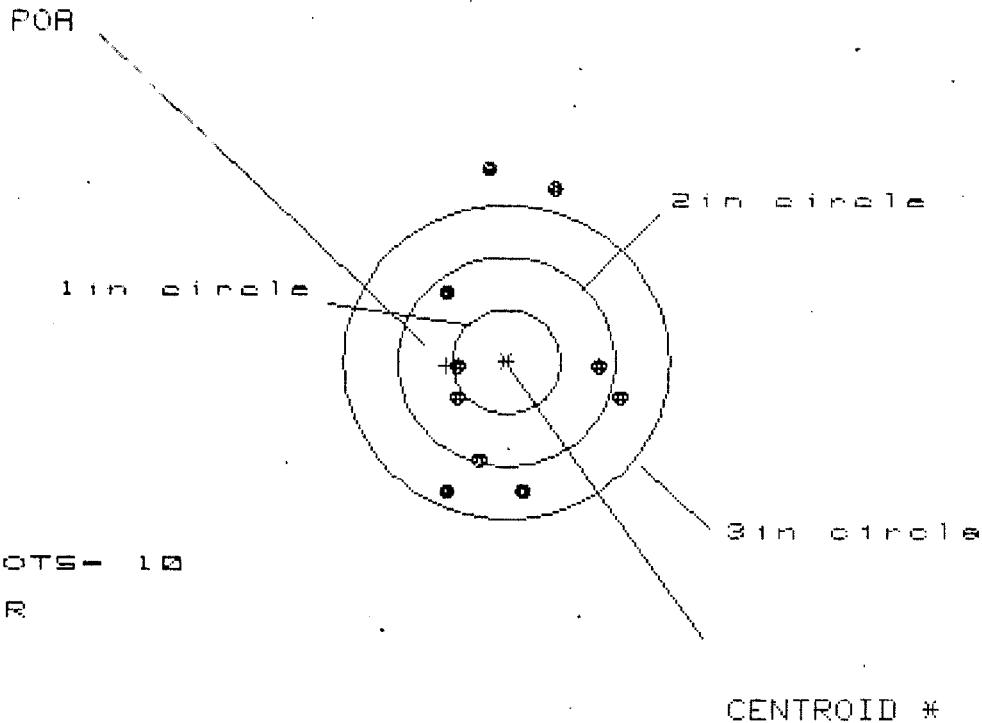
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.097	1.081	1.039
MINIMUM X	-1.088	-1.104	-1.146
MAXIMUM Y	1.502	1.328	1.160
MINIMUM Y	-1.565	-.897	-.731
CENTROID X	.231	.247	.289
CENTROID Y	.608	.781	.615
FOA TO CENTROID in.	.650	.819	.680
MIN RADIUS	.097	.142	.154
MEAN RADIUS	.957	.873	.815
MAX RADIUS	1.571	1.369	1.331
HORIZONTAL SPREAD	2.185	2.185	2.185
VERTICAL SPREAD	3.066	2.225	1.891
EXTREME SPREAD	3.071	2.502	2.464
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

3 Aug 1989

FILE: PATTERNING/CENTERFIRE_PATT/06346799

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.603

VS= 3.162

GS= 3.174

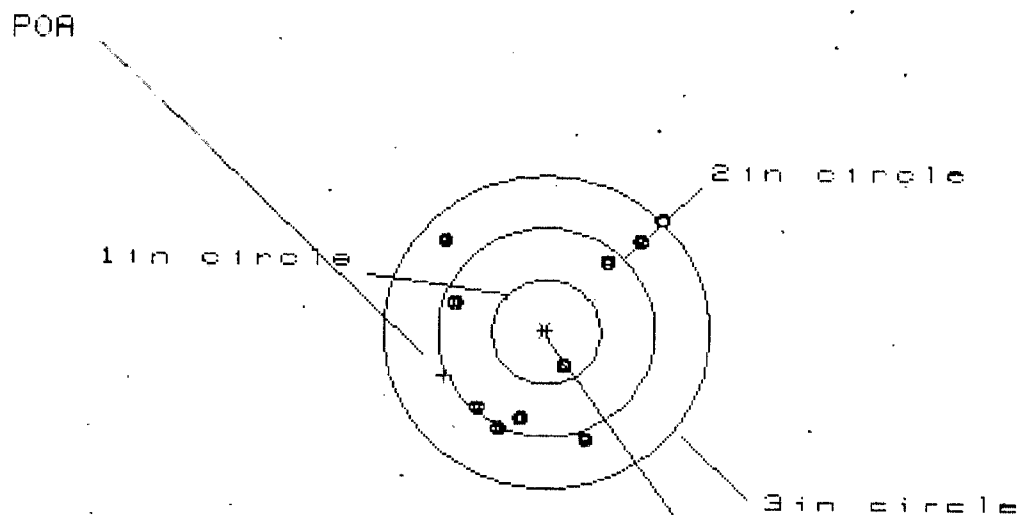
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.026	1.006	1.058
MINIMUM X	-.577	-.597	-.545
MAXIMUM Y	1.893	1.839	1.084
MINIMUM Y	-1.269	-1.059	-.829
CENTROID X	.553	.574	.522
CENTROID Y	.038	-.172	-.402
PDR TO CENTROID in.	.555	.599	.659
MIN RADIUS	.454	.479	.421
MEAN RADIUS	1.094	.971	.818
MAX RADIUS	1.902	1.885	1.188
HORIZONTAL SPREAD	1.603	1.603	1.603
VERTICAL SPREAD	3.162	2.898	1.913
EXTREME SPREAD	3.174	3.042	2.009
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

5 Aug 1969

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.028

VS= 2.084

GS= 2.524

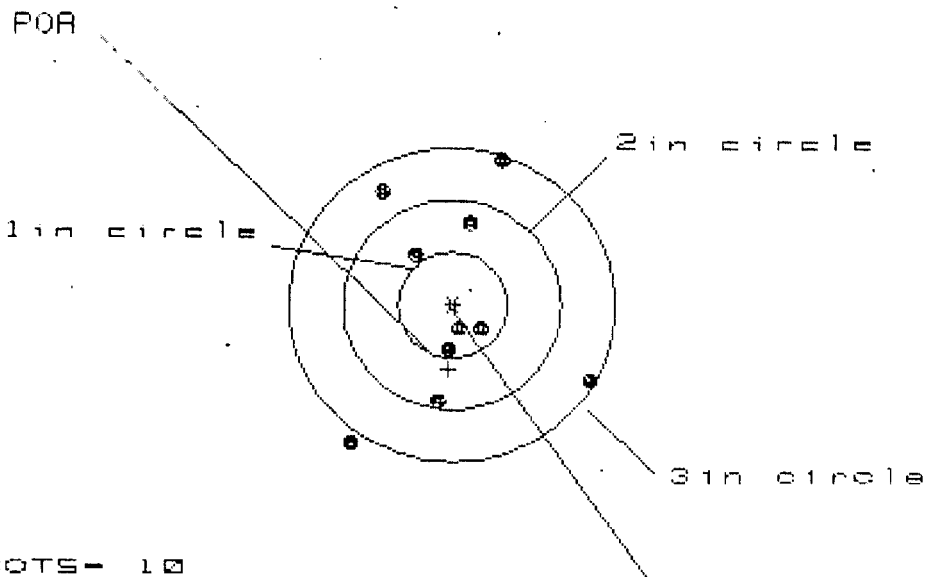
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.077
MINIMUM X	-.951
MAXIMUM Y	1.098
MINIMUM Y	-.986
CENTROID X	.938
CENTROID Y	.422
POA TO CENTROID in.	1.028
MIN RADIUS	.369
MEAN RADIUS	1.000
MAX RADIUS	1.538
HORIZONTAL SPREAD	2.028
VERTICAL SPREAD	2.084
EXTREME SPREAD	2.524
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

5 Aug 1989

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.140

VS= 2.688

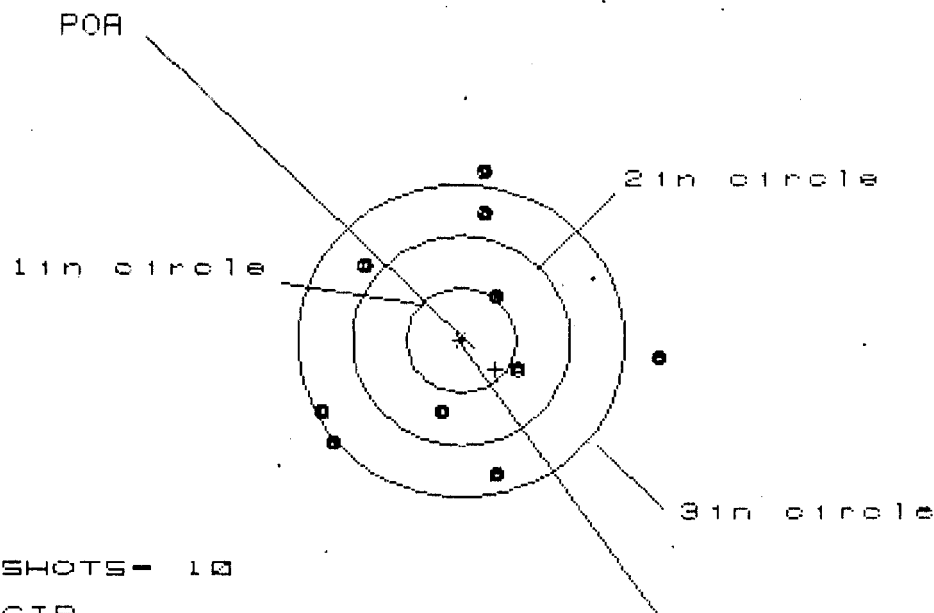
GS= 3.011

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.224	1.122	1.164
MINIMUM X	-.916	-.755	-.713
MAXIMUM Y	1.405	1.263	1.127
MINIMUM Y	-1.283	-1.026	-.869
CENTROID X	.039	.141	.099
CENTROID Y	.616	.758	.601
POA TO CENTROID in.	.617	.771	.609
MIN RADIUS	.183	.335	.172
MEAN RADIUS	.897	.835	.736
MAX RADIUS	1.576	1.436	1.379
HORIZONTAL SPREAD	2.140	1.877	1.877
VERTICAL SPREAD	2.688	2.289	1.996
EXTREME SPREAD	3.011	2.647	2.647
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

3 Aug 1989

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 3.139

VS= 2.862

GS= 3.182

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.860	.696	.750
MINIMUM X	-1.279	-1.072	-1.018
MAXIMUM Y	1.606	1.587	1.395
MINIMUM Y	-1.256	-1.275	-1.077
CENTROID X	-.317	-.524	-.579
CENTROID Y	.277	.296	.098
POA TO CENTROID in.	.421	.602	.587
MIN RADIUS	.517	.654	.483
MEAN RADIUS	1.182	1.107	1.020
MAX RADIUS	1.868	1.646	1.488
HORIZONTAL SPREAD	3.139	1.768	1.768
VERTICAL SPREAD	2.862	2.862	2.472
EXTREME SPREAD	3.182	2.898	2.577
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348799

DATE 4-6-90

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.33	2.65	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.45	2.70	2.44	
PULL #3	2.37	2.42	2.65	2.43	
PULL #4	2.40	2.44	2.60	2.42	
PULL #5	2.41	2.45	2.70	2.40	
TOTAL	12.13	12.09	13.30	12.13	
AVG.	2.426	2.418	2.66	2.426	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.44		
PULL #2	3.30	3.43		
PULL #3	3.34	3.41		
PULL #4	3.42	3.31		
PULL #5	3.31	3.33		
TOTAL	16.72	16.92		
AVG.	3.344	3.384		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.45		
PULL #2	4.29	4.38		
PULL #3	4.21	4.20		
PULL #4	4.34	4.36		
PULL #5	4.38	4.40		
TOTAL	21.49	21.79		
AVG.	4.298	4.358		