

06348735

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00136588

Serial: C6348735 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 11/9/2007 8:17:26 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: 1/1 ADA

1/1 ADA

Address 1: LONGKNIFE

LONGKNIFE

Address 2: PO Box:

PO Box:

City: FORT BLISS

FORT BLISS

State: TX

Zip Code: 79916

Country: US

State: TX

Zip Code: 79916

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

11/9/2007

9:14 AM

CAPS

NUM

INS

SCRL

Serial Number: **C6348735**
Model: **M24 SWS**

RE00136588

BARBER - M24 0062663 M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

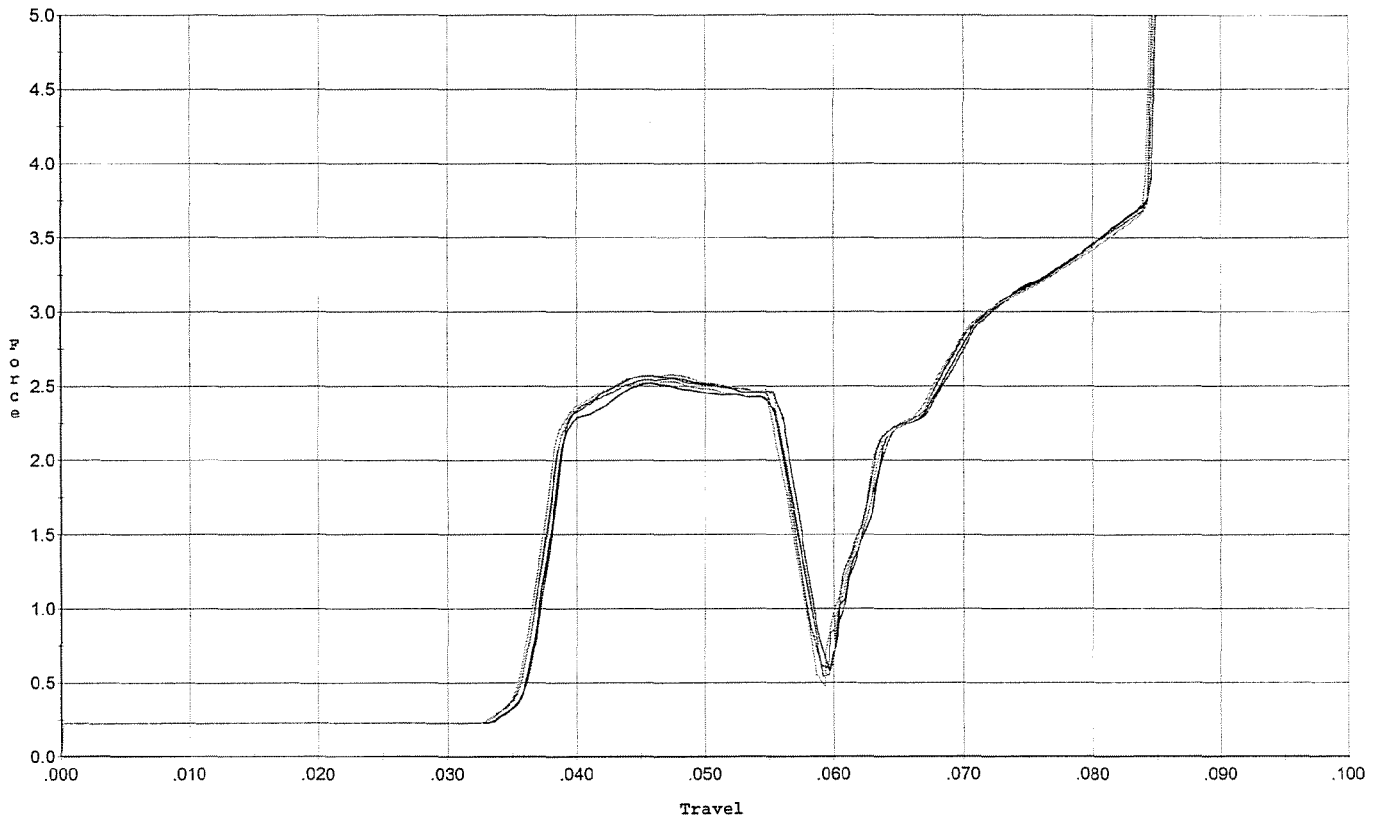
R & E NUMBER		00136588	
SERIAL NUMBER		C 6348735	
LOG-IN DATE		11-9-07	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-4-08	S.P.D.
505	RE-BARREL	2-5-08	S.P.D.
560	ASSEMBLE	2-5-08	S.P.D.
600	PROOF	2-6-08	TRW
605	CHECK HEADSPACE	2-6-08	TRW
610	DIS-ASSEMBLE GUN	2-6-08	S.P.D.
612	MAGNAFLUX	2/7/08	WMS
510	DRILL AND TAP	2-6-08	TRW
615	ROLLMARK CALIBER	2-6-08	CW
618	ROTO-BLAST	2-7-08	DA
620	APPLY COATINGS	2-11-08	LM
625	FINAL ASSEMBLY	2-13-08	S.P.D.
640	FUNCTION TEST AND	(PASS) FAIL	2-14-08 TRW
650	TARGET	(PASS) FAIL	2-14-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	2-14-08 RP
670	FINAL INSPECTION	2-21-08	DA
	A) HEADSPACE	(PASS) FAIL	2-20-08 TRW
	B) TRIGGER PULL	2.52 2.48 2.49 2.45 2.52 2-19-08	TRW
680	F) SAFETY ON FORCE	6.5 6.0 7.0 2-20-08	TRW
	G) SAFETY OFF FORCE	3.0 3.25 3.25 2-20-08	TRW
	I) FIRING PIN INDENT	.0205 .021 .0205 2-20-08	TRW
690	PACK	1/4/08	FM

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 1/17/08

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



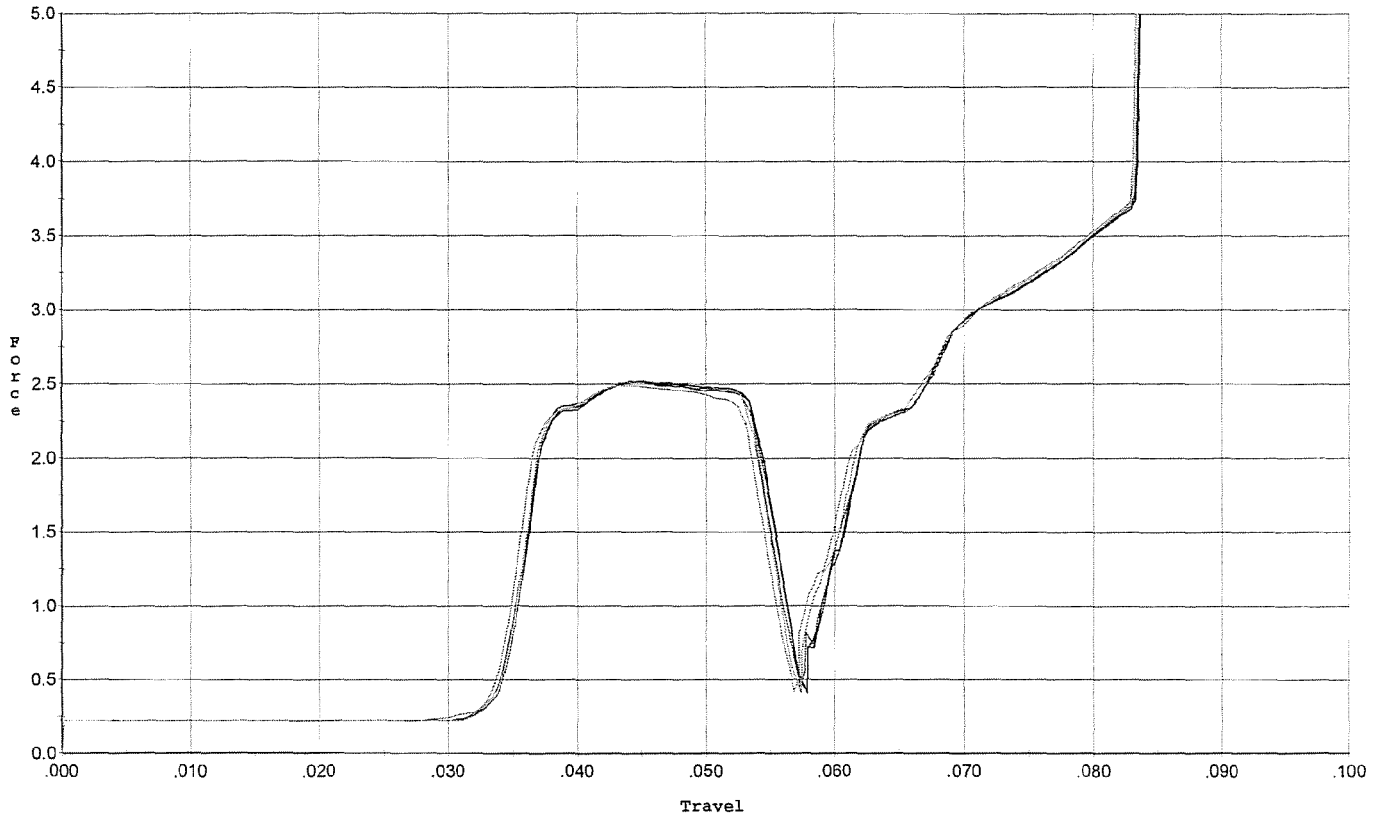
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.571	0.056	0.036	0.035	0.055		Set Trigger
2	2.519	0.057	0.036	0.035	0.055		Set Trigger
3	2.549	0.056	0.035	0.035	0.055		Set Trigger
4	2.578	0.057	0.035	0.035	0.057		Set Trigger
5	2.532	0.056	0.035	0.034	0.056		Set Trigger

AVG 2.55

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/17/08

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



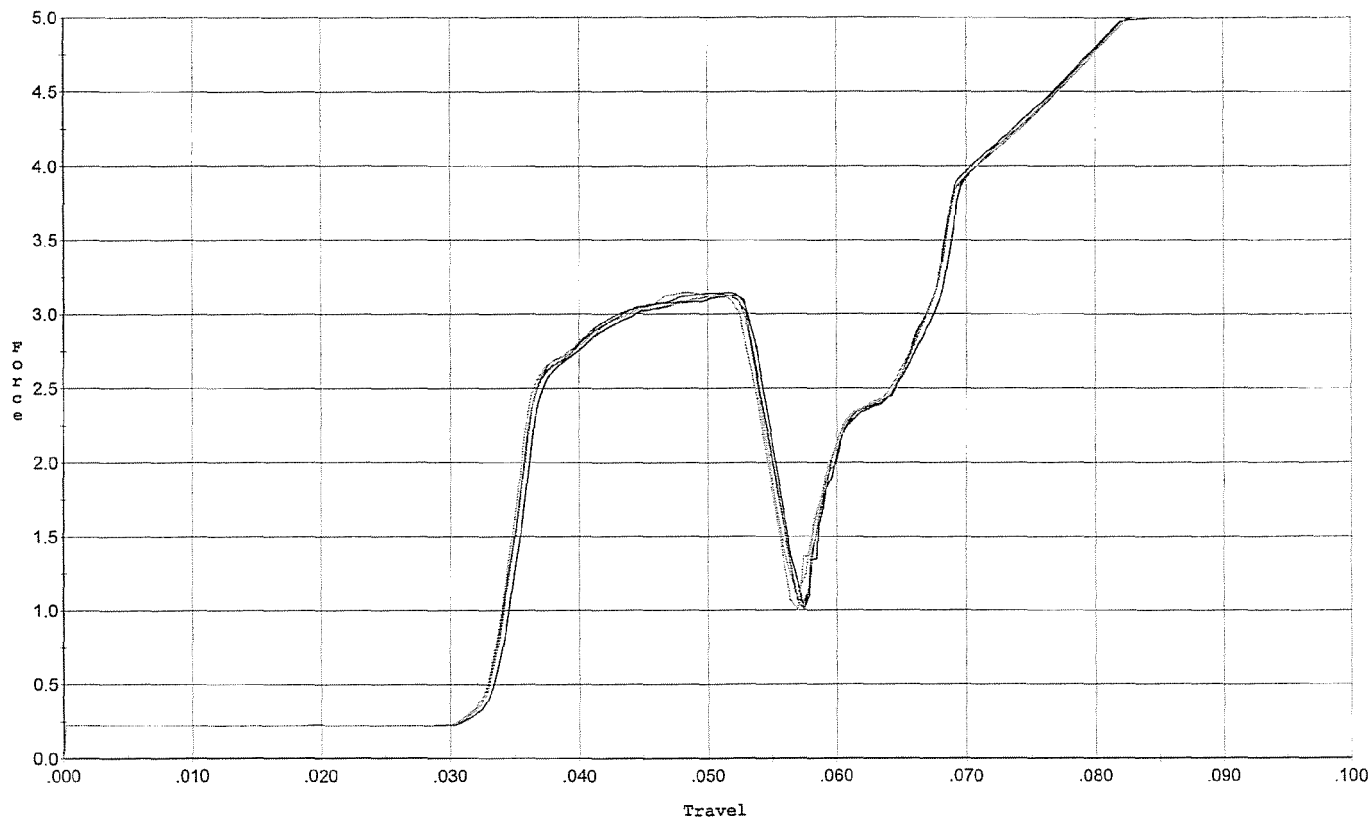
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.514	0.055	0.034	0.035	0.054		Set Trigger
2	2.519	0.054	0.034	0.035	0.054		Set Trigger
3	2.512	0.054	0.034	0.035	0.052		Set Trigger
4	2.522	0.054	0.034	0.035	0.053		Set Trigger
5	2.491	0.053	0.033	0.035	0.052		Set Trigger

AVG 2.51

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/17/08

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



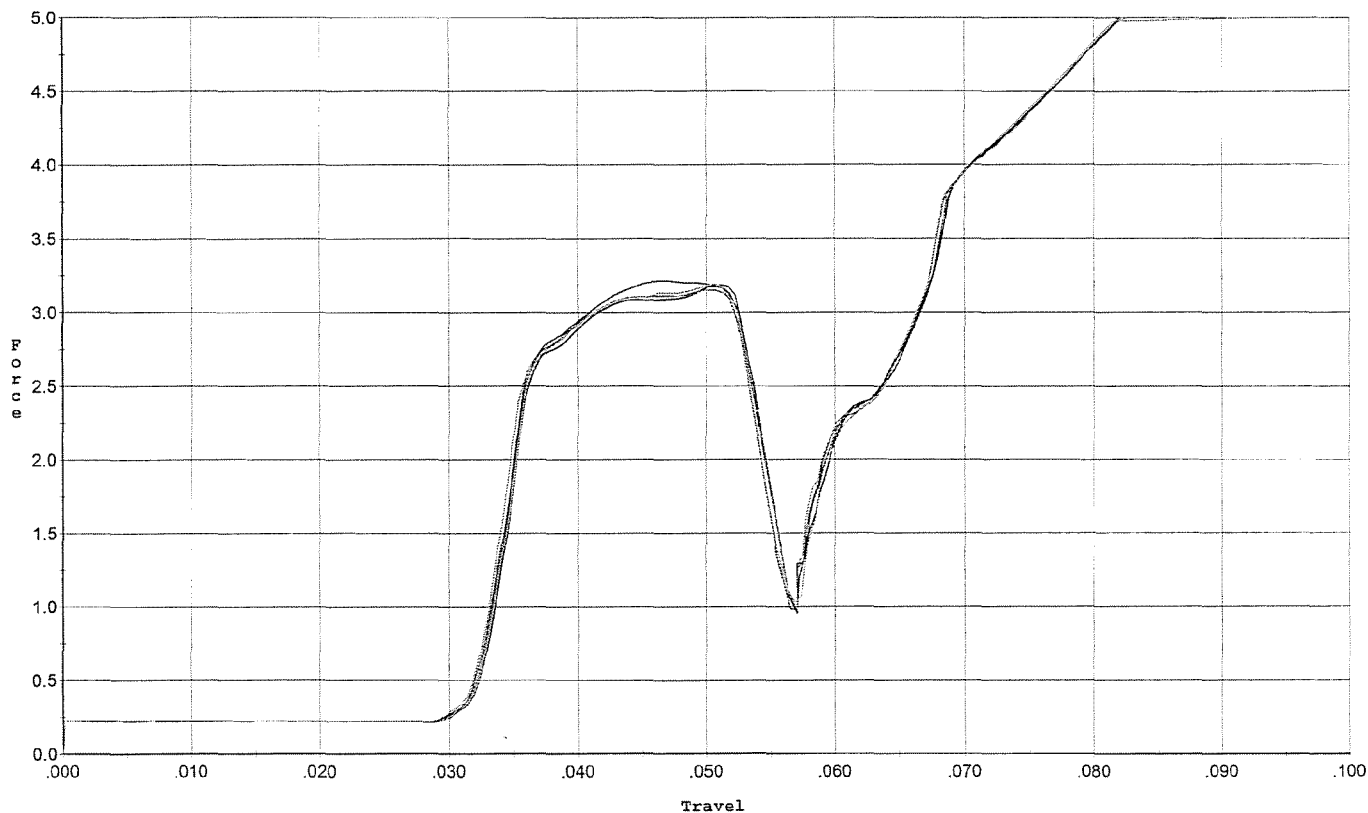
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.146	0.055	0.033	0.033	0.066		Set Trigger
2	3.128	0.054	0.033	0.034	0.064		Set Trigger
3	3.131	0.055	0.033	0.033	0.066		Set Trigger
4	3.130	0.054	0.032	0.034	0.064		Set Trigger
5	3.145	0.053	0.033	0.034	0.063		Set Trigger

Avg 3.13

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 1/17/08

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



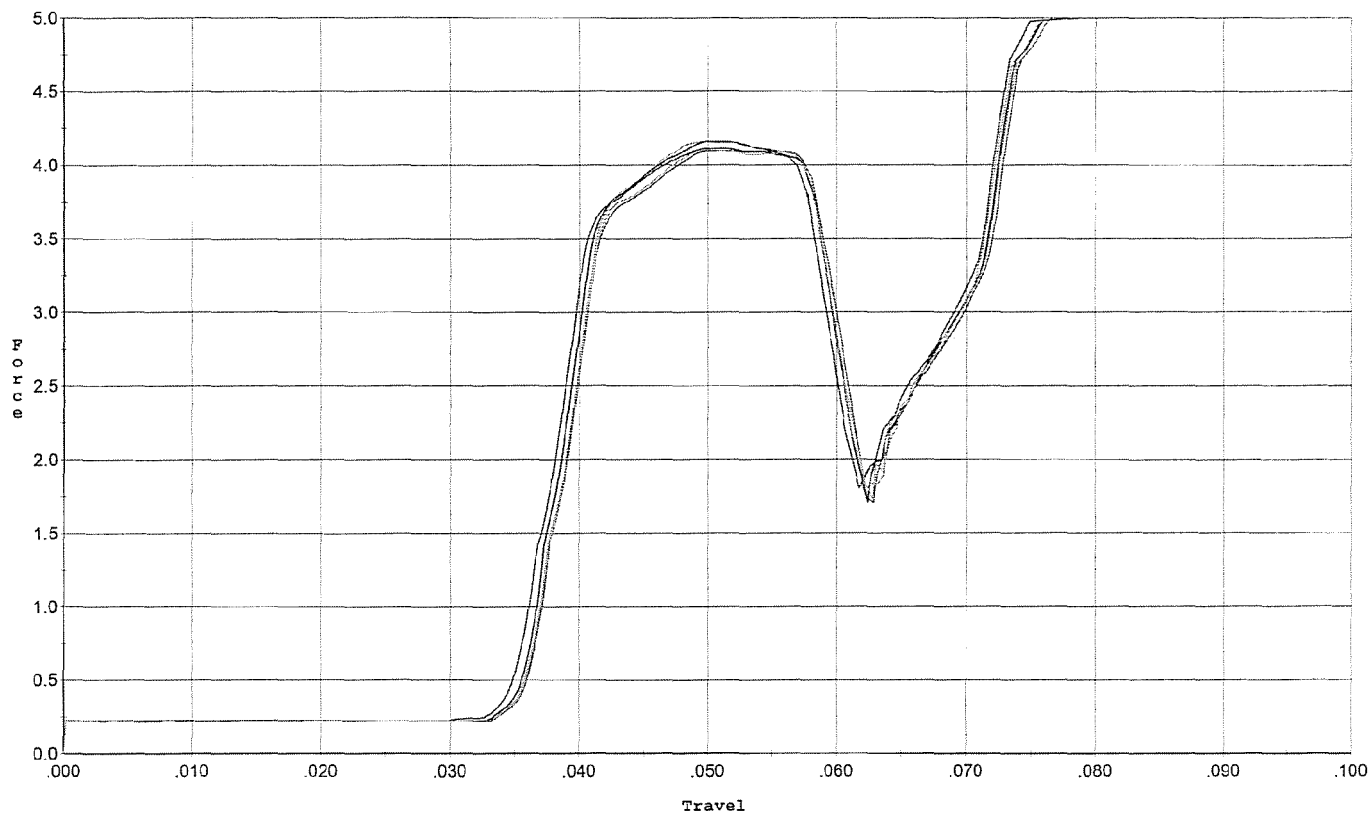
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.215	0.054	0.032	0.033	0.068		Set Trigger
2	3.174	0.054	0.032	0.033	0.066		Set Trigger
3	3.149	0.053	0.032	0.033	0.065		Set Trigger
4	3.150	0.054	0.032	0.033	0.066		Set Trigger
5	3.194	0.053	0.031	0.033	0.065		Set Trigger

Avg 3.17

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 1/17/08

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



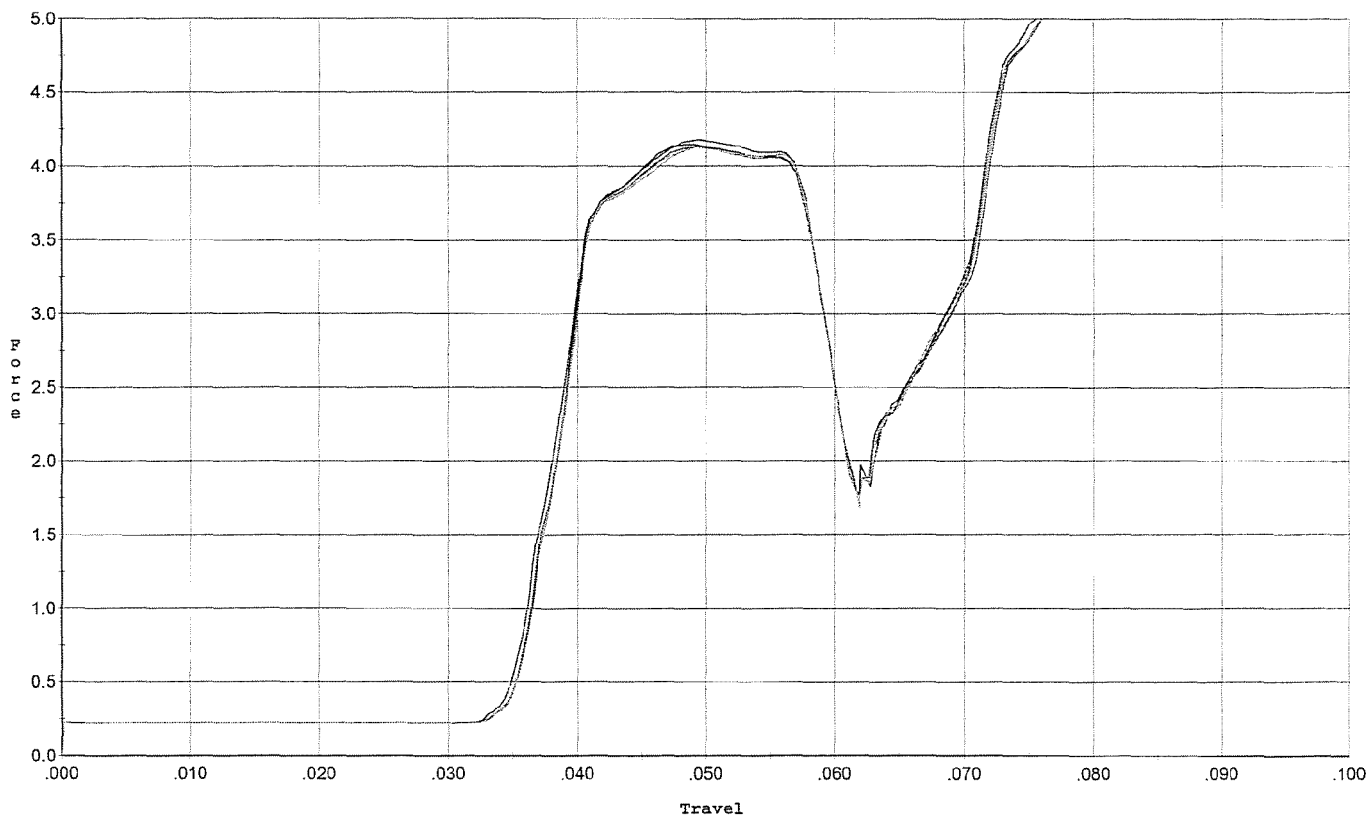
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.113	0.058	0.035	0.032	0.090		Set Trigger
2	4.158	0.058	0.035	0.032	0.090		Set Trigger
3	4.096	0.060	0.036	0.032	0.091		Set Trigger
4	4.164	0.058	0.035	0.032	0.090		Set Trigger
5	4.105	0.058	0.036	0.033	0.088		Set Trigger

AVG 4.12

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/17/08

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



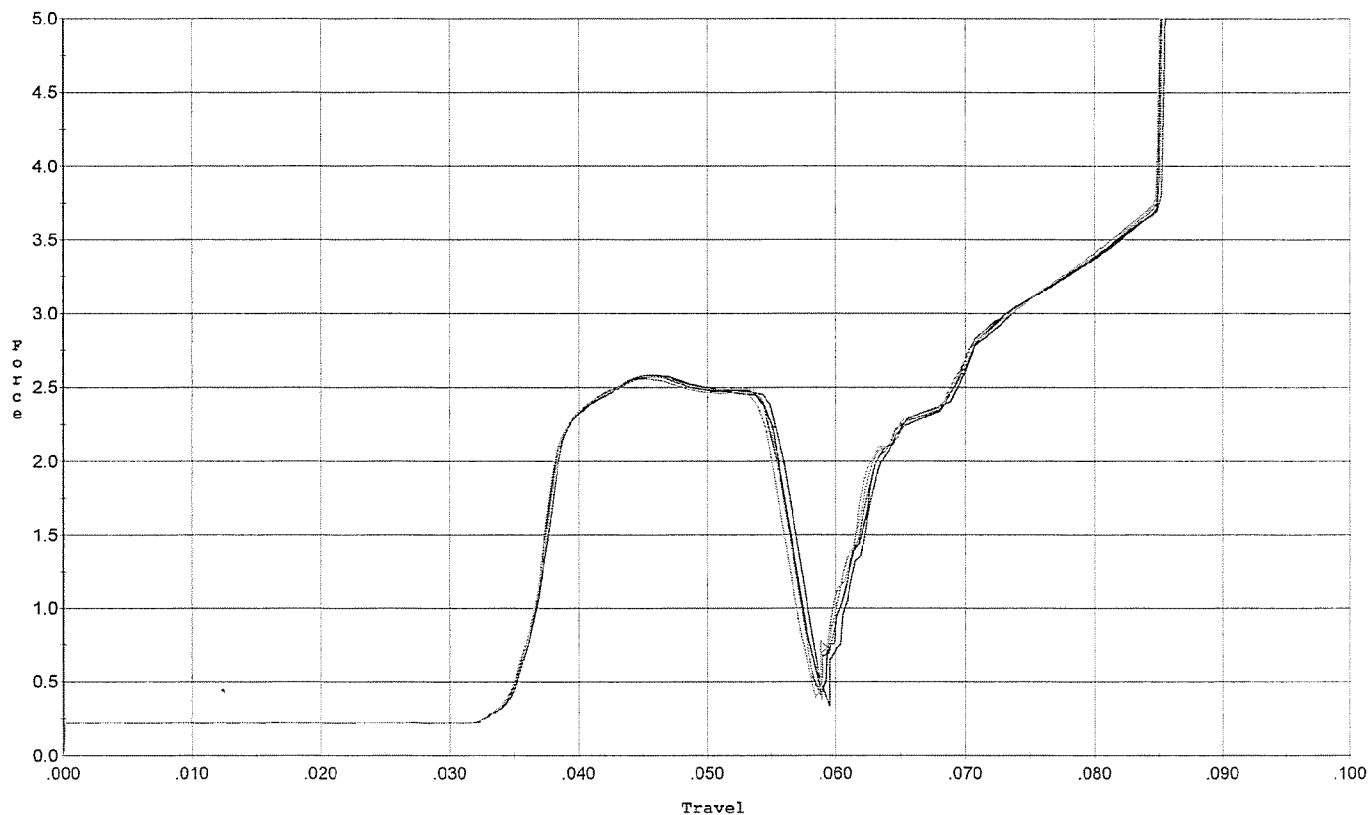
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.175	0.058	0.035	0.032	0.091		Set Trigger
2	4.145	0.058	0.035	0.032	0.090		Set Trigger
3	4.135	0.058	0.035	0.033	0.089		Set Trigger
4	4.128	0.058	0.035	0.032	0.089		Set Trigger
5	4.129	0.058	0.035	0.032	0.089		Set Trigger

Avg 4.14

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/17/08

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



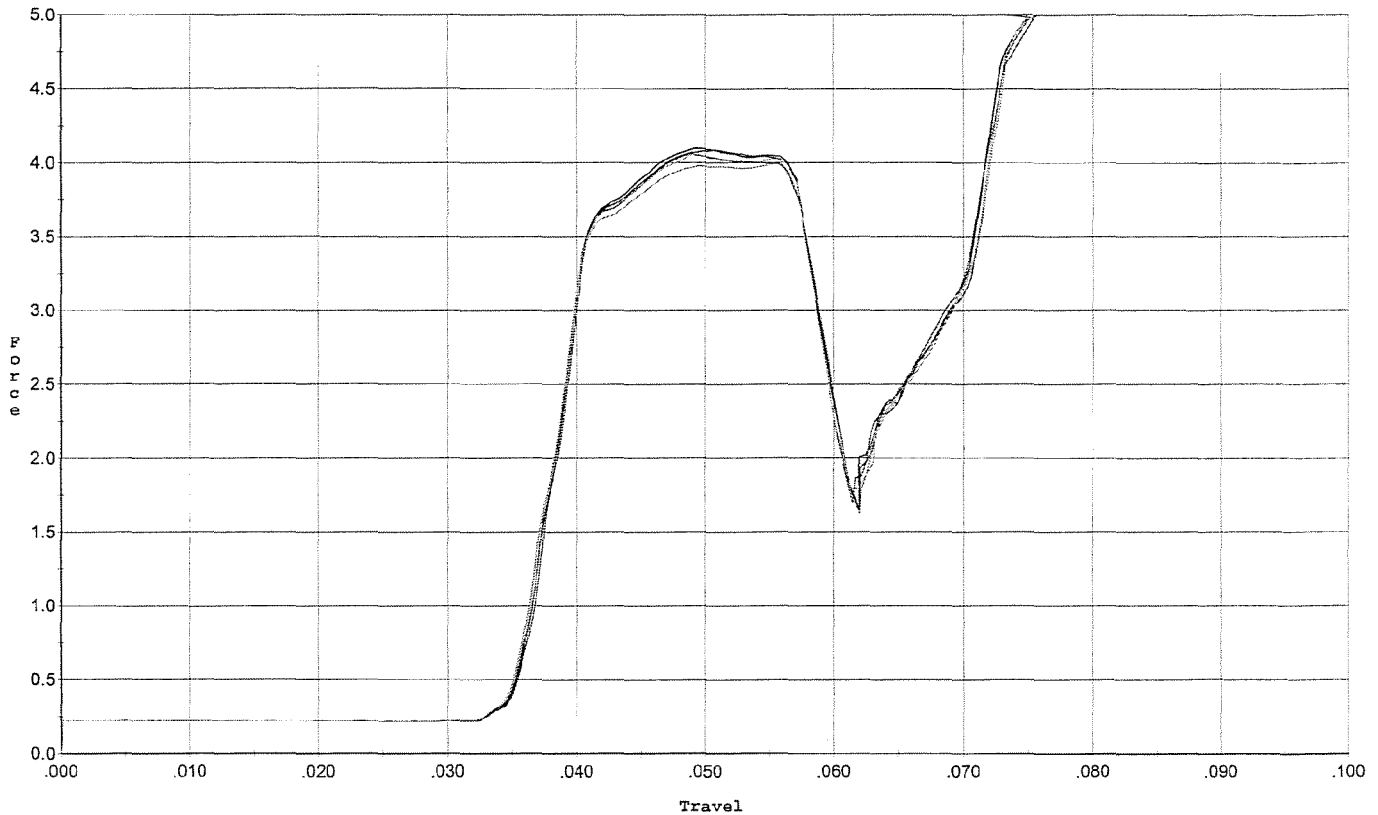
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.585	0.056	0.035	0.035	0.055		Set Trigger
2	2.577	0.055	0.035	0.036	0.054		Set Trigger
3	2.566	0.056	0.035	0.036	0.054		Set Trigger
4	2.554	0.055	0.035	0.036	0.053		Set Trigger
5	2.574	0.055	0.035	0.036	0.054		Set Trigger

AVG 2.57

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 1/17/08

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	4.085	0.057	0.035	0.033	0.086		Set Trigger
2	4.099	0.057	0.035	0.033	0.087		Set Trigger
3	4.060	0.057	0.035	0.033	0.086		Set Trigger
4	4.052	0.059	0.035	0.032	0.090		Set Trigger
5	3.995	0.057	0.035	0.033	0.086		Set Trigger

AVG 4.05

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348735.___0
FILE DATE AND TIME: 02/15/2008 11:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.083
The Average Y Centroid of the Five Target Set:	-0.180
The Average Point of Impact of the Five Target Set:	0.198
The Average Mean Radius of the Five Target Set:	0.923
The Distance from POA to Centroid Target #1:	0.283
The Distance from Centroid Target #2 to Centroid Target #1:	0.262
The Distance from Centroid Target #3 to Centroid Target #1:	0.312
The Distance from Centroid Target #4 to Centroid Target #1:	0.350
The Distance from Centroid Target #5 to Centroid Target #1:	0.228

BARBER - M24 0062673

SERIAL NUMBER: C6348735. __0

TARGET NUMBER: 1

FILE DATE: 02/15/2008

FILE TIME: 11:05

POINT#	X	Y
1:	1.437	-0.612
2:	1.454	-0.095
3:	0.594	-1.441
4:	0.476	-0.465
5:	0.074	-0.388
6:	-0.626	-0.122
7:	-0.310	0.296
8:	0.050	0.314
9:	0.120	0.540
10:	-0.709	0.777

X CENTROID: 0.256

Y CENTROID: -0.120

POA TO CENTROID: 0.283

HORZ SPREAD: 2.163

VERT SPREAD: 2.218

GROUP SPREAD: 2.572

MIN RADIUS: 0.324

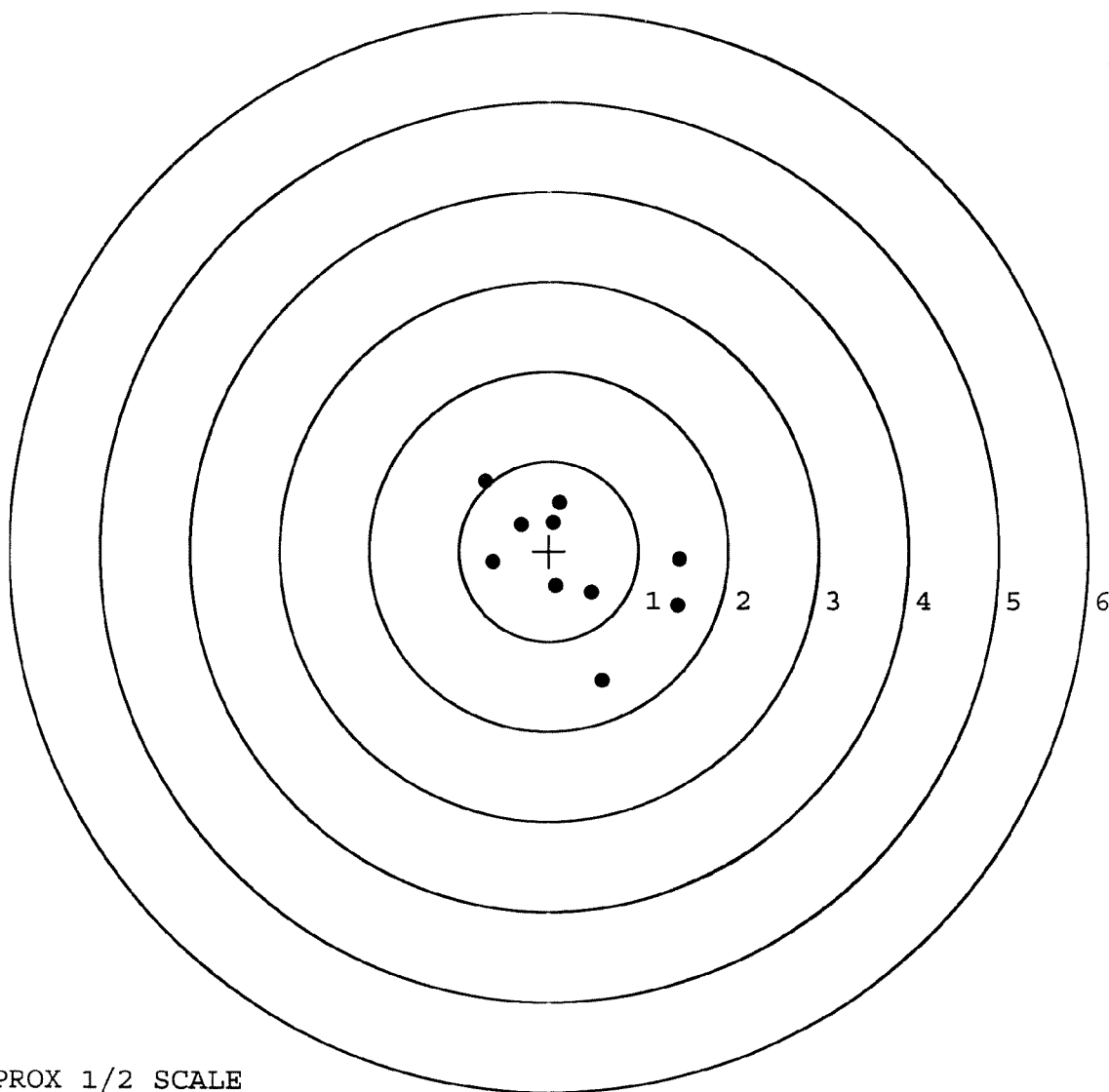
MAX RADIUS: 1.364

MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



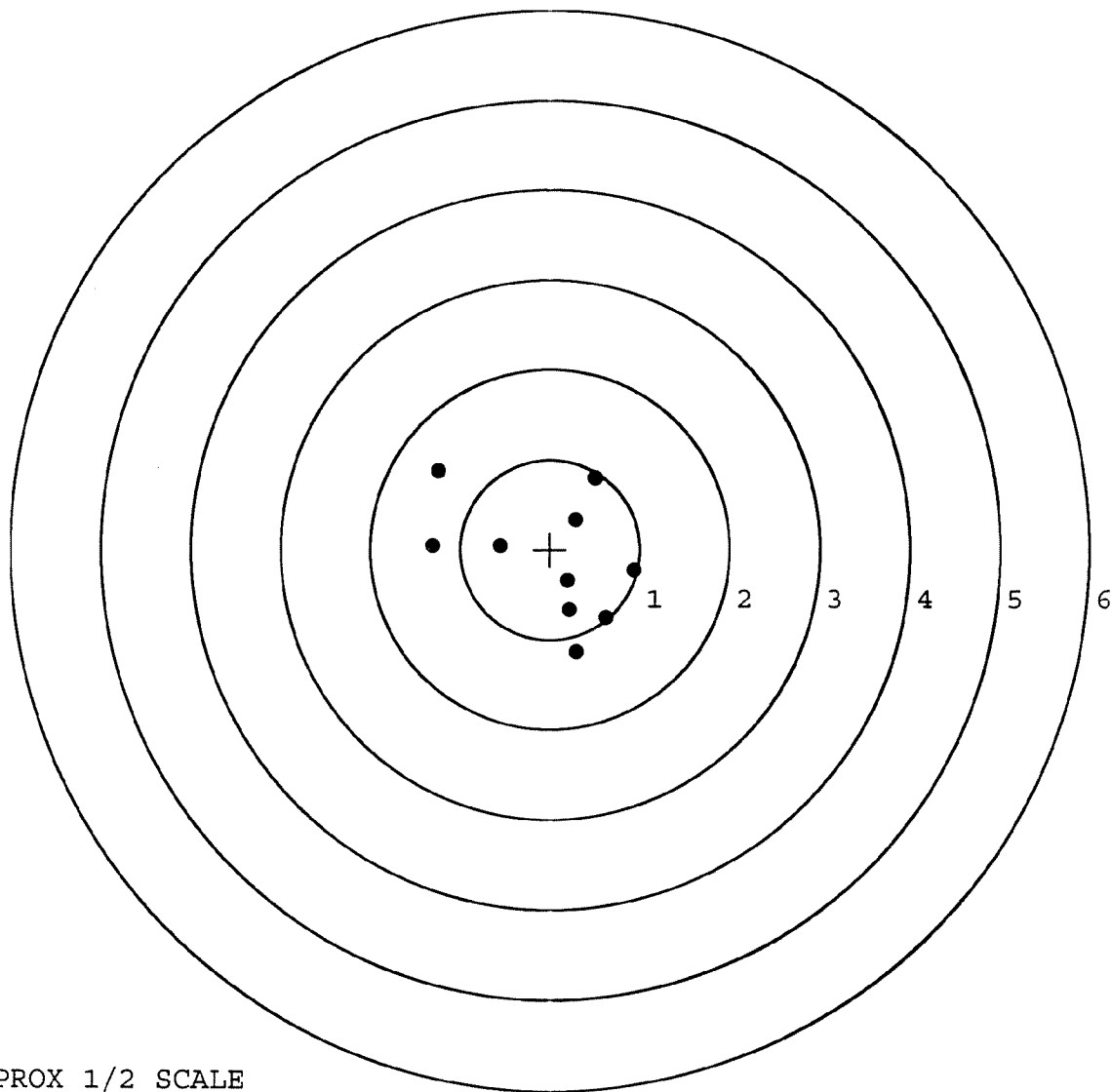
TARGET APPROX 1/2 SCALE

BARBER - M24 0062674

SERIAL NUMBER: C6348735. __0
 TARGET NUMBER: 2
 FILE DATE: 02/15/2008
 FILE TIME: 11:05

POINT#	X	Y
1:	0.934	-0.235
2:	0.621	-0.765
3:	0.297	-1.141
4:	0.218	-0.676
5:	0.195	-0.351
6:	0.290	0.327
7:	0.500	0.796
8:	-0.559	0.046
9:	-1.308	0.046
10:	-1.246	0.876

X CENTROID: -0.006
 Y CENTROID: -0.108
 POA TO CENTROID: 0.108
 HORZ SPREAD: 2.242
 VERT SPREAD: 2.017
 GROUP SPREAD: 2.540
 MIN RADIUS: 0.315
 MAX RADIUS: 1.583
 MEAN RADIUS: 0.889
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0062675

SERIAL NUMBER: C6348735. __0

TARGET NUMBER: 3

FILE DATE: 02/15/2008

FILE TIME: 11:05

POINT#	X	Y
1:	0.526	-2.103
2:	1.479	-1.497
3:	1.664	-0.890
4:	0.739	-0.383
5:	-0.233	0.685
6:	-0.433	0.361
7:	-0.244	0.233
8:	-0.170	-0.175
9:	-0.490	-0.149
10:	-0.689	-0.374

X CENTROID: 0.215

Y CENTROID: -0.429

POA TO CENTROID: 0.480

HORZ SPREAD: 2.353

VERT SPREAD: 2.788

GROUP SPREAD: 2.889

MIN RADIUS: 0.461

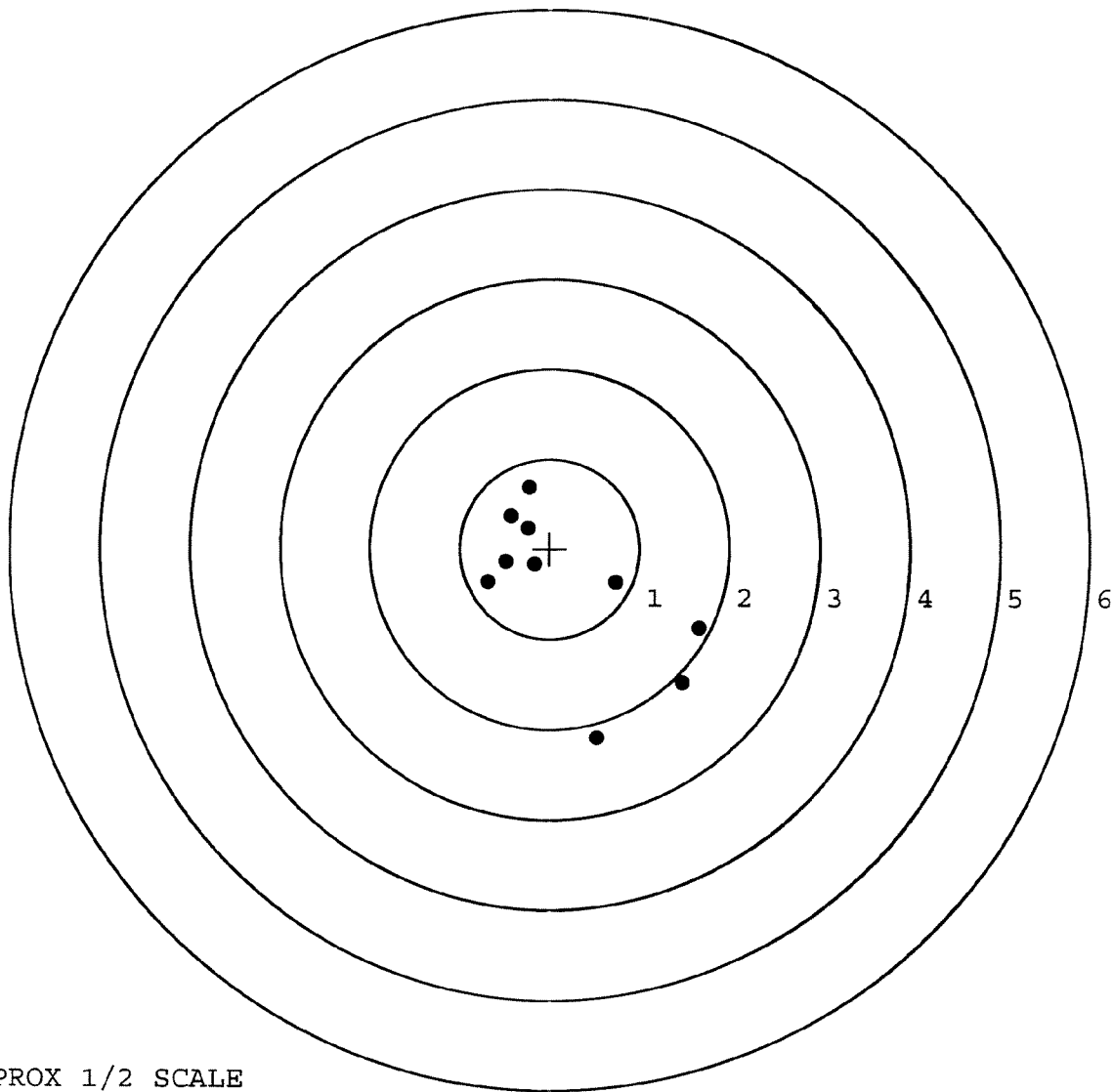
MAX RADIUS: 1.702

MEAN RADIUS: 1.056

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0062676

SERIAL NUMBER: C6348735. __0

TARGET NUMBER: 4

FILE DATE: 02/15/2008

FILE TIME: 11:05

POINT#	X	Y
1:	0.756	-1.250
2:	0.345	-0.594
3:	0.945	-0.234
4:	0.552	-0.136
5:	0.296	-0.231
6:	-0.120	0.322
7:	-0.214	0.504
8:	-0.893	0.733
9:	-0.854	0.164
10:	-1.691	0.176

X CENTROID: -0.088

Y CENTROID: -0.055

POA TO CENTROID: 0.103

HORZ SPREAD: 2.636

VERT SPREAD: 1.983

GROUP SPREAD: 2.832

MIN RADIUS: 0.378

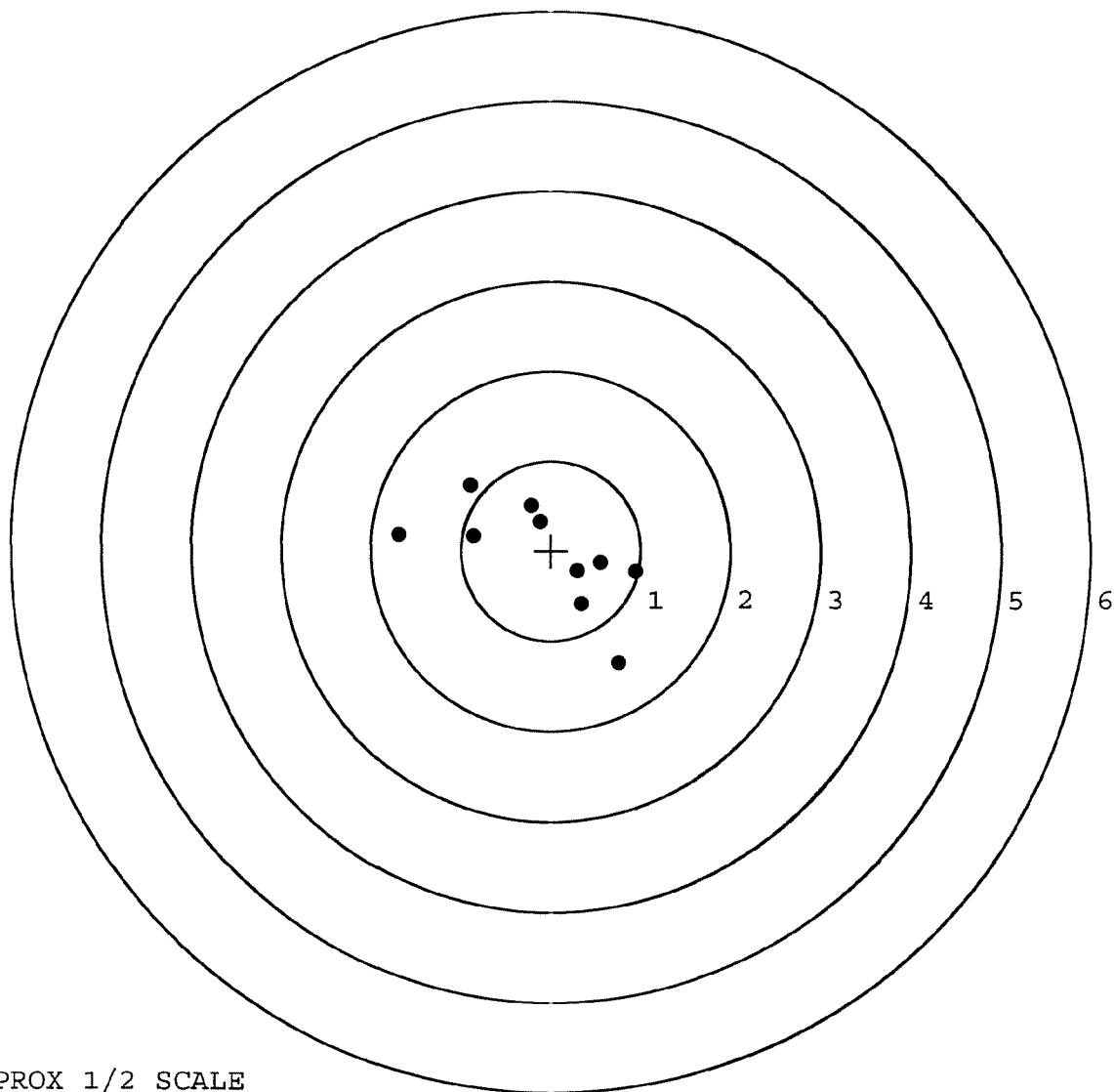
MAX RADIUS: 1.620

MEAN RADIUS: 0.876

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0062677

SERIAL NUMBER: C6348735. __0

TARGET NUMBER: 5

FILE DATE: 02/15/2008

FILE TIME: 11:05

POINT#	X	Y
1:	1.092	-0.874
2:	0.350	-1.603
3:	0.543	-0.485
4:	-0.641	-1.244
5:	-0.159	-0.431
6:	-0.283	-0.211
7:	-0.241	0.395
8:	-0.524	0.400
9:	0.456	0.766
10:	-0.207	1.419

X CENTROID: 0.039

Y CENTROID: -0.187

POA TO CENTROID: 0.191

HORZ SPREAD: 1.733

VERT SPREAD: 3.022

GROUP SPREAD: 3.073

MIN RADIUS: 0.314

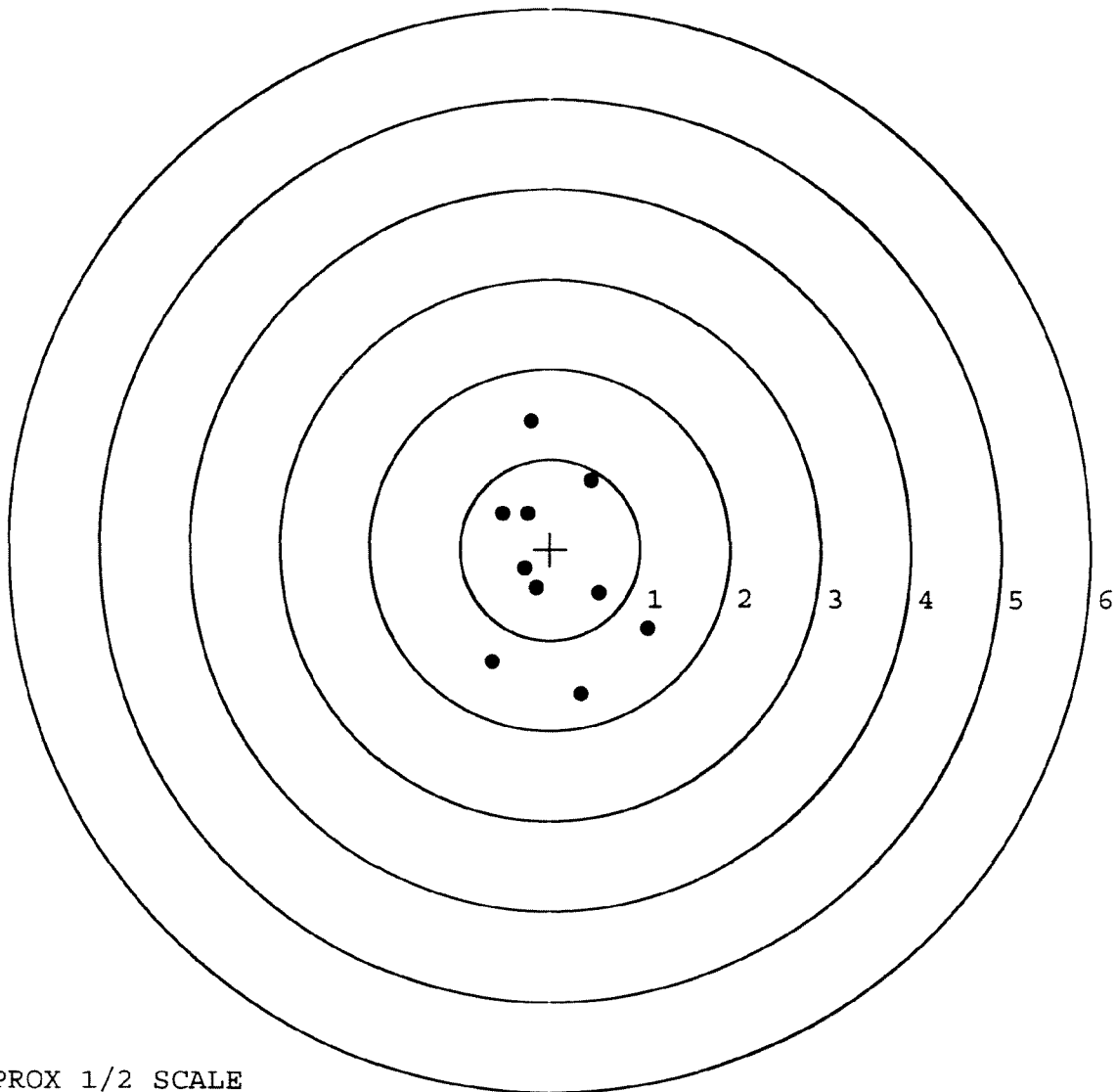
MAX RADIUS: 1.624

MEAN RADIUS: 0.931

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348735

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	KCR
	Magnaflux Bolt		10/13/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		LB
618	Polish Barrel RB	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		8/20/89	GS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	11-9-89	gpl
	G) Safety Off Force	3	3	3	11-9-89	gpl
	H) Trigger Pull Test & Retainability				8 Nov 89	gpl
	I) Firing Pin Indent	.021	.021	.0205	11-9-89	gpl
	J) Assemble Stock				11/9/89	RW
	K) Assemble Swivel Studs				15 Nov 89	gpl
	L) Attach Front and Rear Sight Assemblies				11/9/89	RW
	M) Iron Sight Alignment				11/9/89	RW
	N) Detach Front & Rear Sights & place in numbered container				11/9/89	RW
	O) Attach Scope to Rifle				11-9-89	gpl
	P) Detach & Attach Scope 20 Times				11-9-89	gpl
640	Gallery Target & Test				11-14-89	DH
	A) Time				11-14-89	DH
	B) Malfunctions				11-14-89	DH
	C) Pierced Primers				11-14-89	DH
	D) Optical Clarity of Scope				11-14-89	DH
645	Inspect for Live Ammo				11-14-89	DH
655	Final Inspection					
	A) Headspace				15 Nov 89	gpl
	B) Trigger Pull	262	275	280	15 Nov 89	gpl
	C) Function				15 Nov 89	gpl
660	Pack				15 Nov 89	gpl

BARBER - M24 0062680

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 6634 8735DATE 13 Mar 90TESTER DS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	223	209	262	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	221	253	253	
PULL #3	285	249	261	
PULL #4	202	252	266	
PULL #5	217	246	237	
TOTAL	1108	1209		
AVG.	221.6	241.8		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	340	349	
PULL #2	355	361	
PULL #3	361	331	
PULL #4	353	359	
PULL #5	339	359	
TOTAL	1748	1759	
AVG.	349.6	351.8	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	426	432		
PULL #2	431	426		
PULL #3	400	421		
PULL #4	419	433		
PULL #5	421	437		
TOTAL	2097	2142		
AVG.	419.4	428.4		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348735
14 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.141315
1 TO	2	.656617
1 TO	3	.352847
1 TO	4	.350053
1 TO	5	.861713

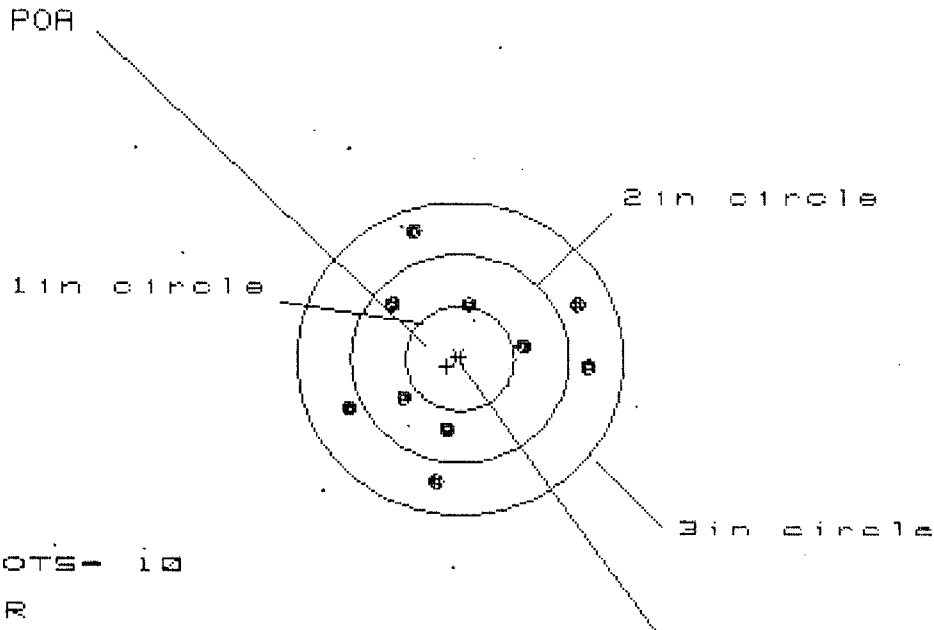
4.42 <----FOR
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3176
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2638
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .412868
THE AMR FOR THIS RIFLE IS: .994

14 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348735

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.195

VS= 2.433

GS= 2.442

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.155	1.111	1.082
MINIMUM X	-1.040	-1.084	-1.113
MAXIMUM Y	1.221	.677	.543
MINIMUM Y	-1.212	-1.077	-.691
CENTROID X	.121	.165	.194
CENTROID Y	.073	-.062	.072
POA TO CENTROID in.	.141	.176	.207
MIN RADIUS	.533	.582	.528
MEAN RADIUS	.934	.889	.852
MAX RADIUS	1.284	1.222	1.203
HORIZONTAL SPREAD	2.195	2.195	2.195
VERTICAL SPREAD	2.433	1.754	1.234
EXTREME SPREAD	2.442	2.332	2.332
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

14 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348735

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS = 2.784

VS = 2.000

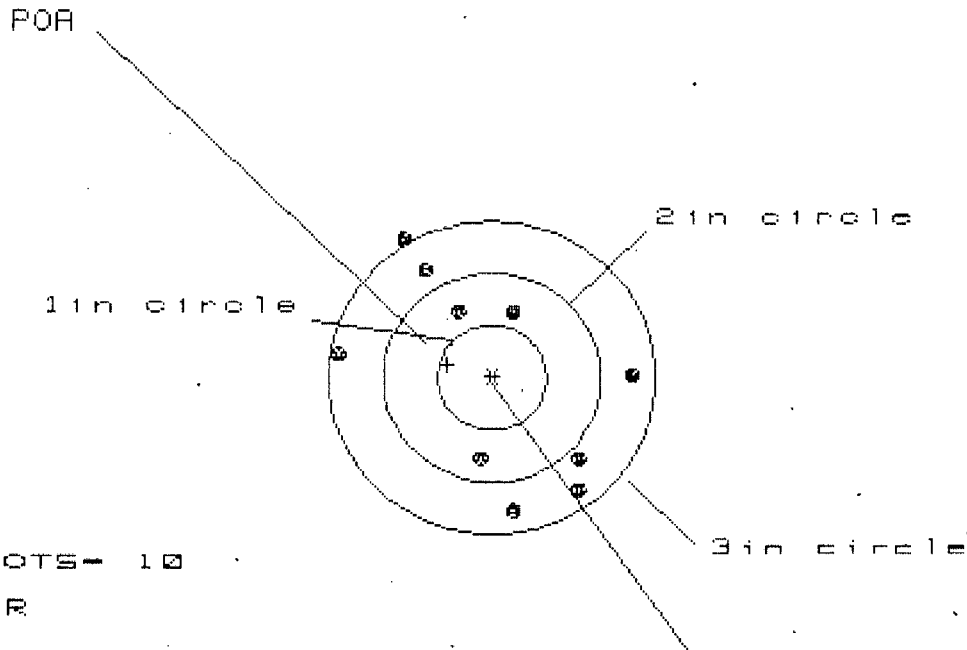
GS = 2.930

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.191	1.014	.921
MINIMUM X	:	-1.593	-1.056	-1.149
MAXIMUM Y	:	.828	.750	.593
MINIMUM Y	:	-1.180	-1.258	-.543
CENTROID X	:	.660	.837	.929
CENTROID Y	:	-.302	-.224	-.067
POA TO CENTROID in.	:	.726	.866	.932
MIN RADIUS	:	.135	.204	.249
MEAN RADIUS	:	.854	.728	.632
MAX RADIUS	:	1.741	1.461	1.270
HORIZONTAL SPREAD	:	2.784	2.070	2.070
VERTICAL SPREAD	:	2.000	2.000	1.136
EXTREME SPREAD	:	2.930	2.375	2.134
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 9

HS = 2.644

VS = 2.665

GS = 2.897

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.270	1.179	.995
MINIMUM X	:	-1.374	-1.465	-.930
MAXIMUM Y	:	1.374	1.186	1.236
MINIMUM Y	:	-1.291	-1.138	-1.087
CENTROID X	:	.411	.502	.686
CENTROID Y	:	-.128	-.281	-.332
POA TO CENTROID in.	:	.431	.576	.762
MIN RADIUS	:	.623	.633	.679
MEAN RADIUS	:	1.132	1.067	.989
MAX RADIUS	:	1.601	1.520	1.547
HORIZONTAL SPREAD	:	2.644	2.644	1.925
VERTICAL SPREAD	:	2.665	2.324	2.324
EXTREME SPREAD	:	2.897	2.657	2.521
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.669

VS = 2.383

GS = 3.034

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.139	.969	.859
MINIMUM X	:	-1.530	-1.634	-1.744
MAXIMUM Y	:	1.295	1.381	.781
MINIMUM Y	:	-1.088	-1.002	-.830
CENTROID X	:	.365	.535	.645
CENTROID Y	:	-.178	-.264	-.436
POA TO CENTROID in.	:	.406	.596	.779
MIN RADIUS	:	.392	.456	.405
MEAN RADIUS	:	1.062	.948	.825
MAX RADIUS	:	1.713	1.651	1.793
HORIZONTAL SPREAD	:	2.669	2.603	2.603
VERTICAL SPREAD	:	2.383	2.383	1.611
EXTREME SPREAD	:	3.034	2.732	2.732
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 3.109

VS = 2.875

GS = 4.116

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.000	.675	.564
MINIMUM X	-1.109	-.887	-.828
MAXIMUM Y	1.377	1.210	1.340
MINIMUM Y	-1.498	-.952	-.822
CENTROID X	.031	-.191	-.080
CENTROID Y	-.784	-.617	-.747
POA TO CENTROID in.	.785	.646	.751
MIN RADIUS	.220	.117	.155
MEAN RADIUS	.988	.793	.704
MAX RADIUS	2.499	1.362	1.340
HORIZONTAL SPREAD	3.109	1.562	1.392
VERTICAL SPREAD	2.875	2.162	2.162
EXTREME SPREAD	4.116	2.323	2.162
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

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