

C6611398

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Number: RE00111978	Serial: C6611398 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman: _____	Status: Closed 5/9/2006 8:12:41 AM
Verify Repair: ☐			

Address Information			
Customer: _____	☒ Received From	Return To: _____	☐ Received From
Name: JUSTIN OLDHAM	Name: JUSTIN OLDHAM		
Address 1: 41ST BCT HHC 1/180	Address 1: 41ST BCT HHC 1/180		
Address 2: _____ PO Box: _____	Address 2: _____ PO Box: _____		
City: CAMP SHELBY	City: CAMP SHELBY		
State: MS Zip Code: 39407 Country: US	State: MS Zip Code: 39407 Country: US		

☐ PFI ☐ PFI ☐ PFI ☐ PFI ☐ PFI ☐ PFI			
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Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
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Contact Information Phone: NA Fax: _____ Email: _____ Comments: _____	Received Condition Fair Condition Notes: _____ CSR Notes: _____	Accessories Received <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A057	Fit and Rear Sgt Base	1
Code	Desc	Qty															
A007	With Stud	3															
A010	Hard Case	1															
A017	Scope Base	1															
A057	Fit and Rear Sgt Base	1															

Repair Search	Refresh	Close
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maglev	5/9/2006	9:09 AM	CAPS	NUM	INS	SCRL
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2 M...
Part...
2 S...
RAC...
Prin...
2 I...
Arm...

Number: C66 1 1 398

Model: M24 SWS



RE00111978

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611398.___0

FILE DATE AND TIME: 05/19/2006 16:57

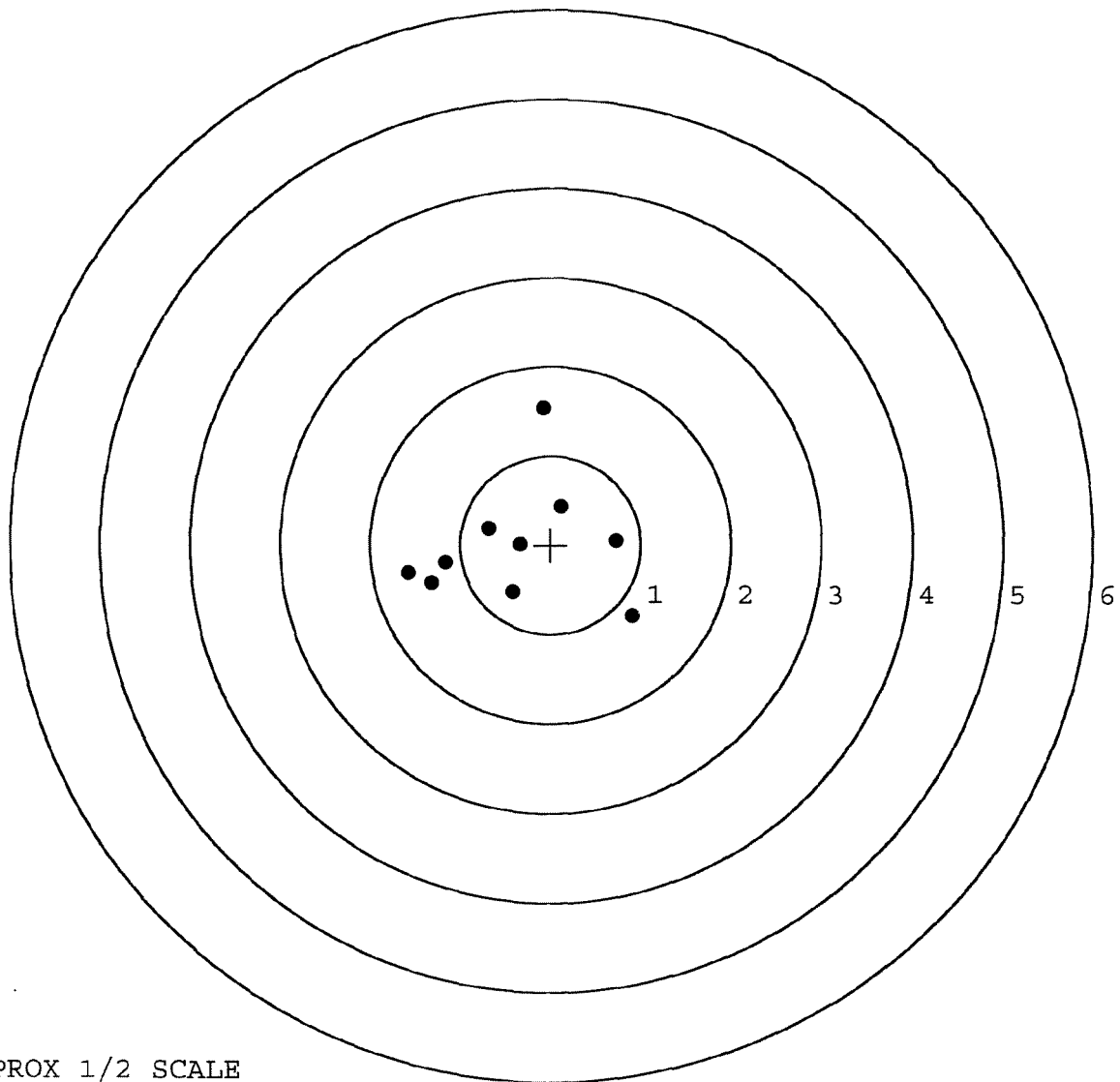
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.108
The Average Y Centroid of the Five Target Set:	0.140
The Average Point of Impact of the Five Target Set:	0.177
The Average Mean Radius of the Five Target Set:	0.820
The Distance from POA to Centroid Target #1:	0.383
The Distance from Centroid Target #2 to Centroid Target #1:	0.250
The Distance from Centroid Target #3 to Centroid Target #1:	0.542
The Distance from Centroid Target #4 to Centroid Target #1:	0.394
The Distance from Centroid Target #5 to Centroid Target #1:	0.432

SERIAL NUMBER: C6611398. __0
TARGET NUMBER: 1
FILE DATE: 05/19/2006
FILE TIME: 16:57

POINT#	X	Y
1:	0.909	-0.800
2:	0.732	0.047
3:	0.116	0.428
4:	-0.092	1.532
5:	-0.414	-0.540
6:	-0.336	0.013
7:	-0.692	0.184
8:	-1.161	-0.211
9:	-1.580	-0.323
10:	-1.314	-0.435

X CENTROID: -0.383
Y CENTROID: -0.010
POA TO CENTROID: 0.383
HORZ SPREAD: 2.489
VERT SPREAD: 2.332
GROUP SPREAD: 2.538
MIN RADIUS: 0.053
MAX RADIUS: 1.570
MEAN RADIUS: 0.888
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

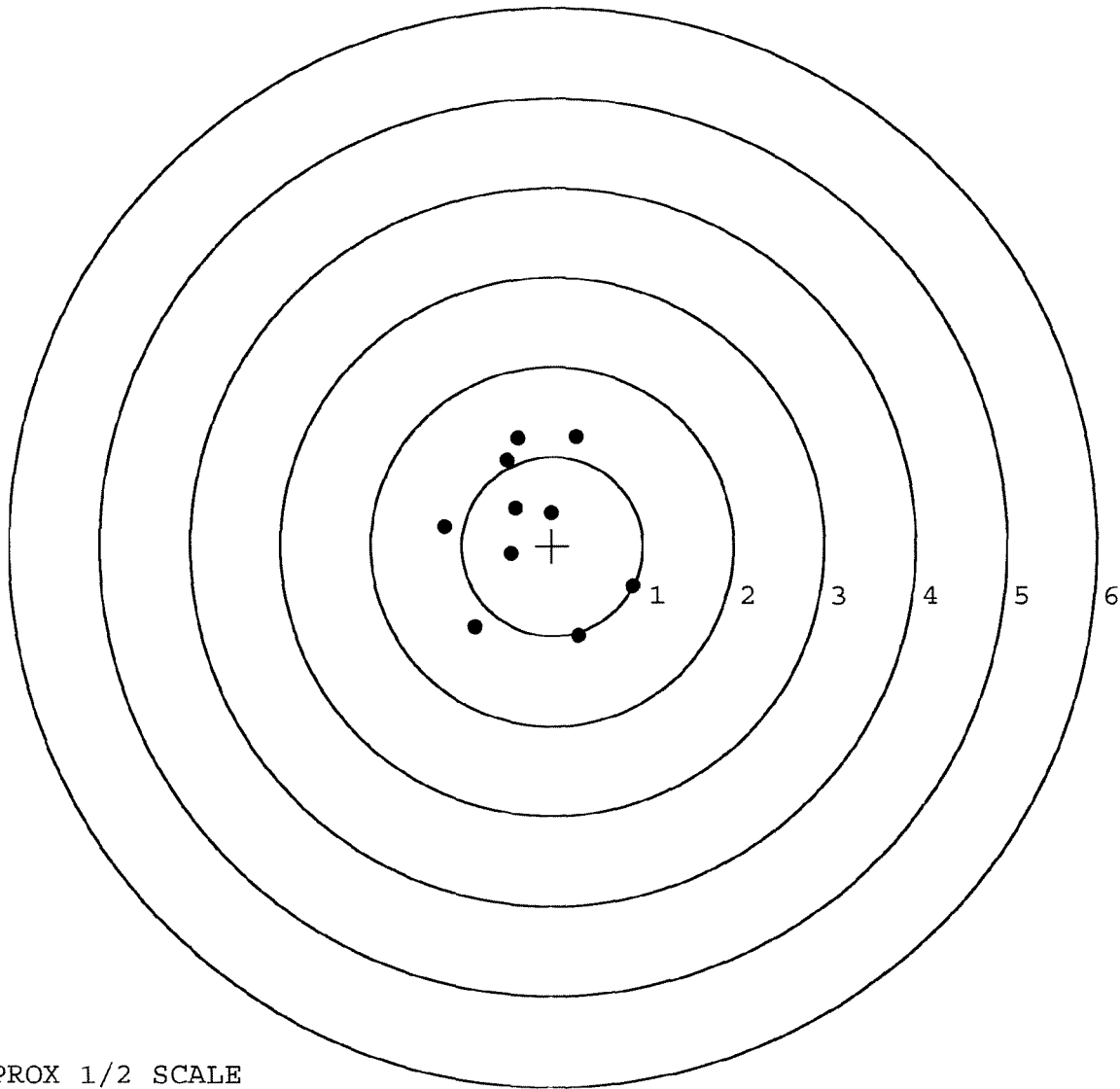


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611398. __0
TARGET NUMBER: 2
FILE DATE: 05/19/2006
FILE TIME: 16:57

POINT#	X	Y
1:	0.893	-0.452
2:	0.289	-1.005
3:	-0.849	-0.913
4:	-0.457	-0.093
5:	-1.191	0.208
6:	-0.412	0.425
7:	-0.019	0.370
8:	-0.381	1.201
9:	0.264	1.224
10:	-0.501	0.956

X CENTROID: -0.236
Y CENTROID: 0.192
POA TO CENTROID: 0.305
HORZ SPREAD: 2.084
VERT SPREAD: 2.229
GROUP SPREAD: 2.306
MIN RADIUS: 0.281
MAX RADIUS: 1.307
MEAN RADIUS: 0.873
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611398.___0

TARGET NUMBER: 3

FILE DATE: 05/19/2006

FILE TIME: 16:57

POINT#	X	Y
1:	0.471	-1.324
2:	0.091	-1.230
3:	-0.542	1.545
4:	0.026	1.317
5:	0.021	1.349
6:	0.142	0.986
7:	0.535	0.803
8:	-0.363	0.894
9:	-0.317	0.266
10:	0.100	0.209
11:	0.425	-1.406

X CENTROID: 0.054

Y CENTROID: 0.310

POA TO CENTROID: 0.315

HORZ SPREAD: 1.077

VERT SPREAD: 2.951

GROUP SPREAD: 3.105

MIN RADIUS: 0.111

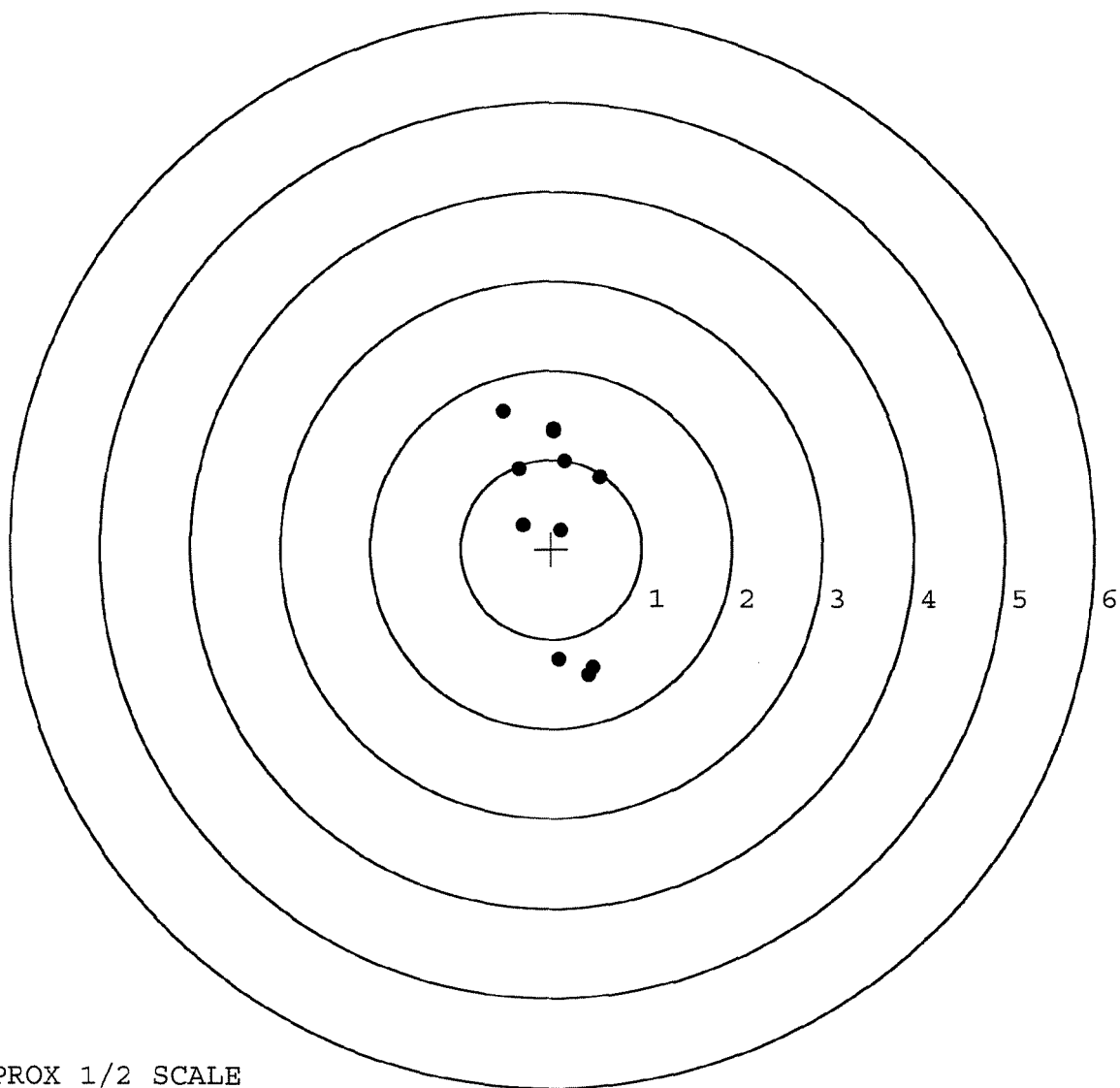
MAX RADIUS: 1.756

MEAN RADIUS: 0.998

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

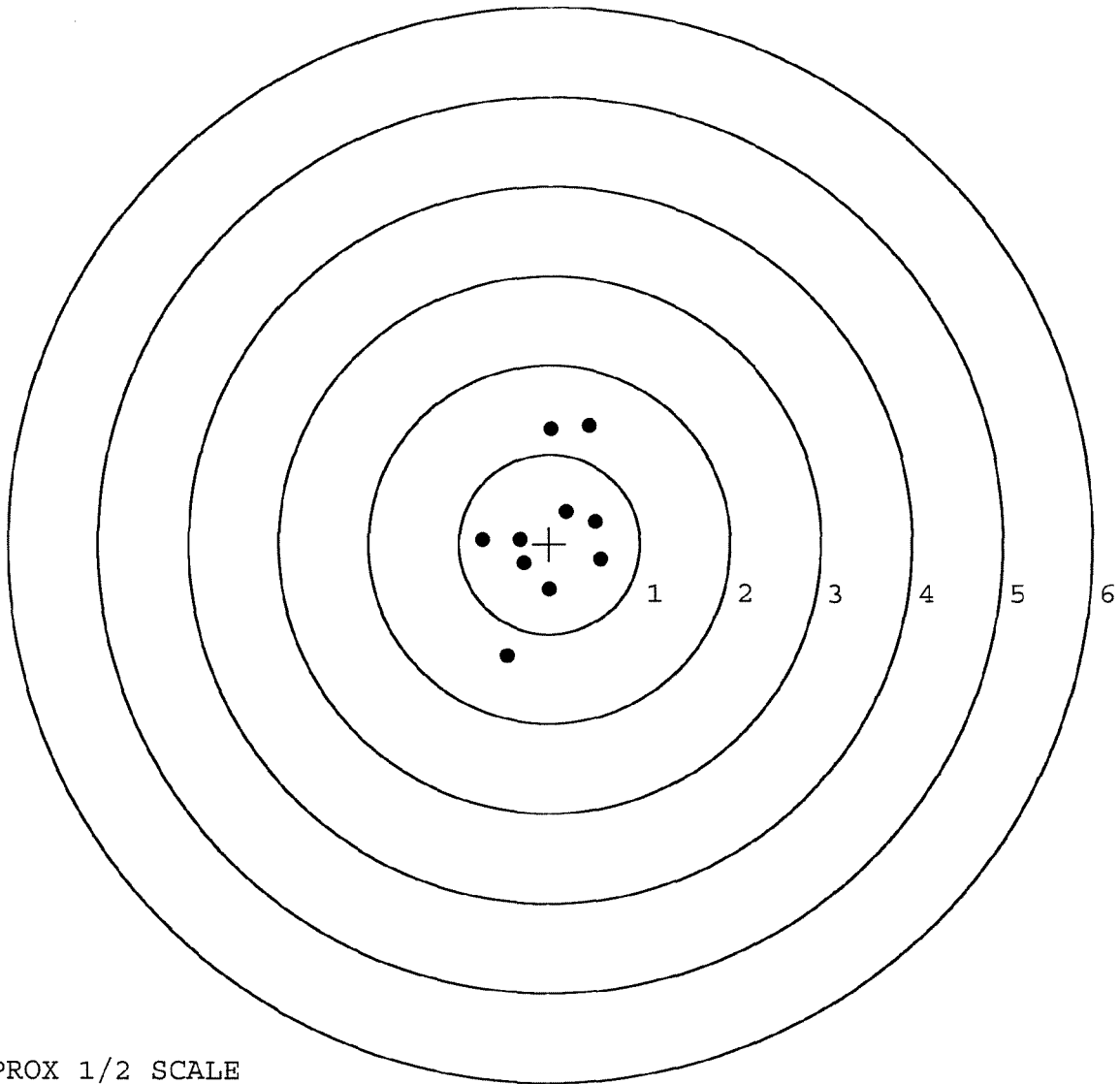


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611398.___0
TARGET NUMBER: 4
FILE DATE: 05/19/2006
FILE TIME: 16:57

X CENTROID: -0.009
Y CENTROID: 0.114
POA TO CENTROID: 0.114
HORZ SPREAD: 1.313
VERT SPREAD: 2.578
GROUP SPREAD: 2.729
MIN RADIUS: 0.309
MAX RADIUS: 1.446
MEAN RADIUS: 0.749
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.461	-1.260
2:	0.006	-0.511
3:	0.573	-0.167
4:	0.503	0.242
5:	0.180	0.358
6:	-0.285	-0.217
7:	-0.321	0.047
8:	-0.740	0.044
9:	0.435	1.318
10:	0.015	1.285

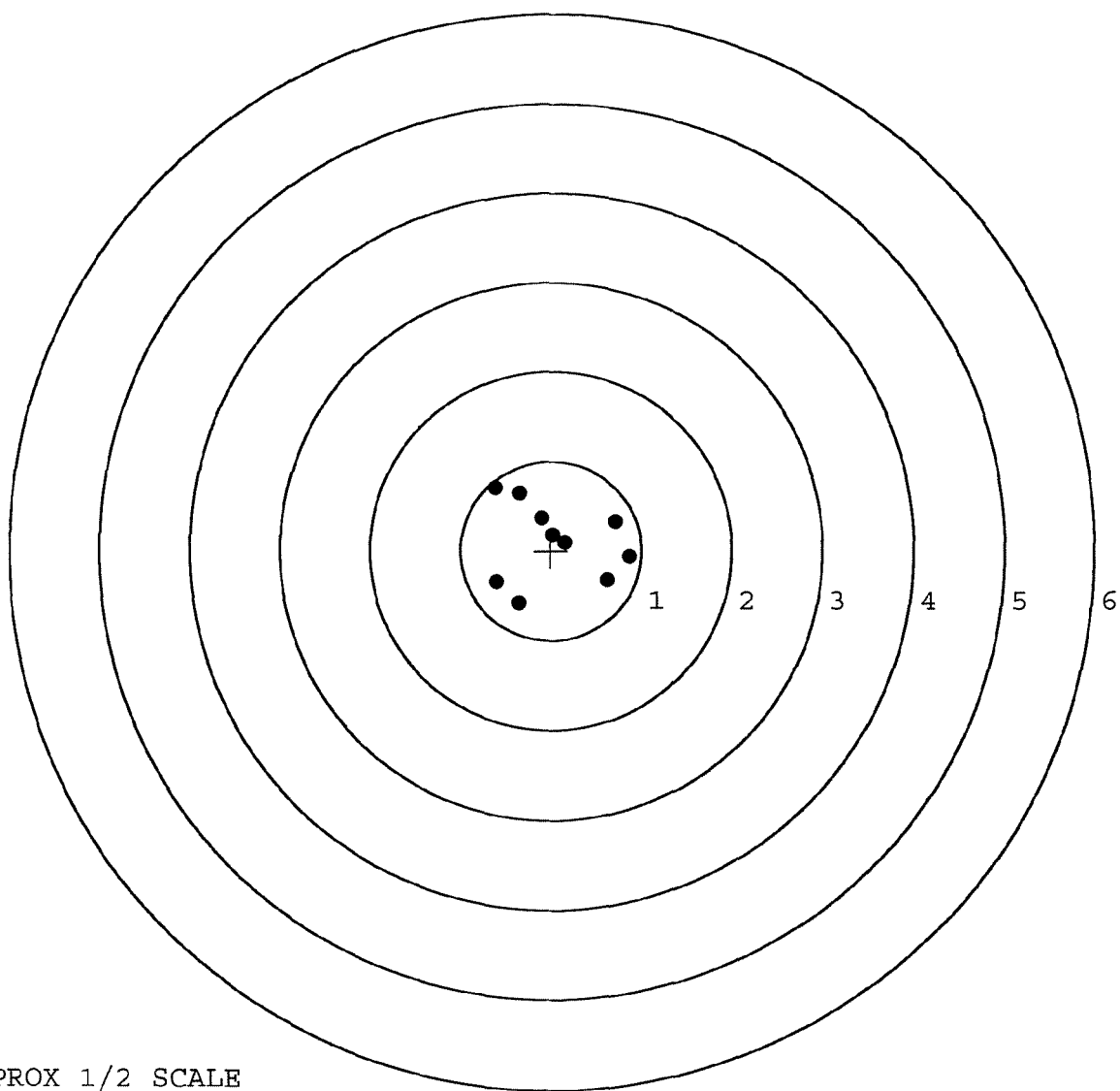


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611398. __0
TARGET NUMBER: 5
FILE DATE: 05/19/2006
FILE TIME: 16:57

POINT#	X	Y
1:	0.713	0.328
2:	0.868	-0.073
3:	0.622	-0.339
4:	-0.348	-0.587
5:	-0.603	-0.354
6:	0.157	0.089
7:	-0.109	0.363
8:	-0.350	0.643
9:	-0.614	0.700
10:	0.023	0.175

X CENTROID: 0.036
Y CENTROID: 0.095
POA TO CENTROID: 0.101
HORZ SPREAD: 1.482
VERT SPREAD: 1.287
GROUP SPREAD: 1.671
MIN RADIUS: 0.082
MAX RADIUS: 0.888
MEAN RADIUS: 0.592
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	111978			
SERIAL NUMBER	C6611398			
LOG-IN DATE	5-9-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-9-06	RTZ
505	RE-BARREL		5-12-06	RTZ
560	ASSEMBLE		5-12-06	RTZ
600	PROOF	MAGNA - FLUX	5-12-06	TRW
605	CHECK HEADSPACE	INSPECTED	5-12-06	TRW
610	DIS-ASSEMBLE GUN	MAY 12 2006	5-12-06	RTZ
612	MAGNAFLUX	OPERATOR <u>unus</u>	5/12/06	unus
510	DRILL AND TAP		5-12-06	TRW
615	ROLLMARK CALIBER		5-12-06	CW
618	ROTO-BLAST		5-12-06	LB
620	APPLY COATINGS		5/15/06	RB
625	FINAL ASSEMBLY		5-18-06	RTZ
640	FUNCTION TEST AND	PASS	FAIL	5-19-06 MTM
650	TARGET	PASS	FAIL	5-19-06 MTM
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		5-23-06	MTM
	A) HEADSPACE	PASS	FAIL	5-23-06 MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6 lbs 6 lbs 6 lbs	MTM
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	MTM
	I) FIRING PIN INDENT	.020	.021 .021 .021	MTM
690	PACK		5-26-06	RTZ




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

REG. U.S. PAT. & TM. OFF.

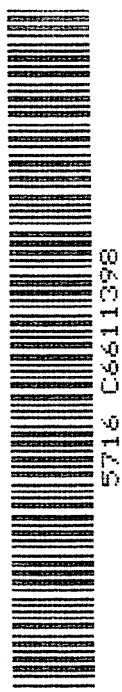
MODEL 700™ H24

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

SERIAL NO.
C6611398

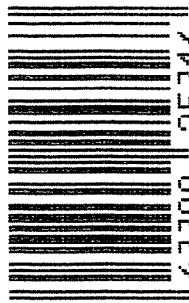
ORDER NO.
5716

20



5716 C6611398

UPC



0 47700 25716 7

GEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611398

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	91	RW
600	Proof	1 25	91	RW
607	Check Headspace		91	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	1 25		KR
	Magnaflux Bolt	1 25	91	KR
615	Rollmark Caliber	1 25	91	LG
617	Drill and Tap Sight Holes	1 30	91	LB
618	Polish Barrel <i>LB</i>	1 30	91	LB
620	Apply Coatings (Barrel Action)		2-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/13/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/13/91	WLB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			2/13/91	WLB
	H) Trigger Pull Test & Retainability						2/13/91	WLB
	I) Firing Pin Indent	.0225	.0222	.0225			2/13/91	WLB
	J) Assemble Stock						2/13/91	RW
	K) Assemble Swivel Studs						3-11-91	DH
	L) Attach Front and Rear Sight Assemblies						2/13/91	RW
	M) Iron Sight Alignment						2/13/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/13/91	RW
	O) Attach Scope to Rifle						2/13/91	RW
	P) Detach & Attach Scope 20 Times						2/13/91	RW
640	Gallery Target & Test						2-13-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-13-91	AF
655	Final Inspection							
	A) Headspace						3-11-91	DH
	B) Trigger Pull	2.45	2.40	2.43	2.44	2.41	3/11/91	WLB
	C) Function						3-11-91	DH
660	Pack						3-20-91	DH

MOD.		GA. CAL.	GUN #	ASSEM. #
#	DATE	MALFUNCTION/DEFECT		
TEST	1st			
22291		ejector sticks slack bars		RW
	2nd			
3/6/91		New Ejector Needs 100 Rd Test		RW
	3rd			
		100 Rd. AC March 11, 1991		
	4th			
		FUNCTION		RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____		GA. CAL. _____	GUN # <u>1398</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
N	1st	Ejector Sticks	RW
	2/13		
	2nd	Ream Ejector Hole & Polish Ejector Needs <u>100</u> Rd test	RW
	2/19		
	2/91		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611398

DATE 2/13/91

TESTER QU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.14	2.35	2.33	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.49	2.28	2.40	
PULL #3	2.41	2.21	2.39	2.43	
PULL #4	2.29	2.26	2.40	2.44	
PULL #5	2.36	2.34	2.40	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.40		
PULL #2	3.25	3.23		
PULL #3	3.13	3.43		
PULL #4	3.28	3.23		
PULL #5	3.36	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.16		4.36
PULL #2	4.14	4.21		4.26
PULL #3	4.51	4.18		4.33
PULL #4	4.43	4.48		4.33
PULL #5	4.30	4.40		4.24
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611398
14 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.136693
1 TO	2	.105948
1 TO	3	.266678
1 TO	4	.0733894
1 TO	5	.206119

54 <----FOR

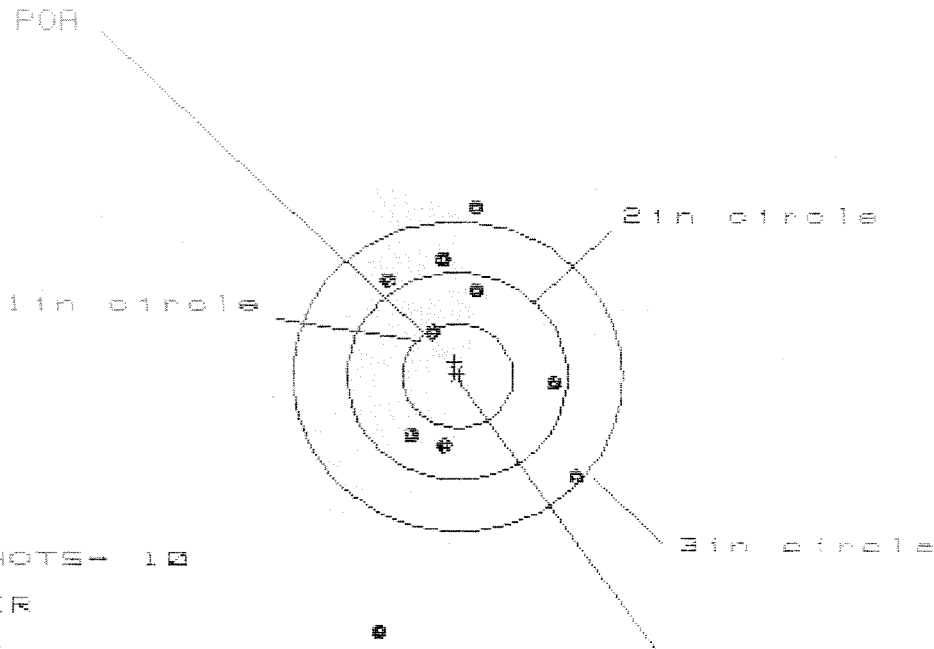
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0374
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1080
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .11406
THE AME FOR THIS RIFLE IS: 1.159

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511398

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 1.728

VS= 4.094

GS= 4.179

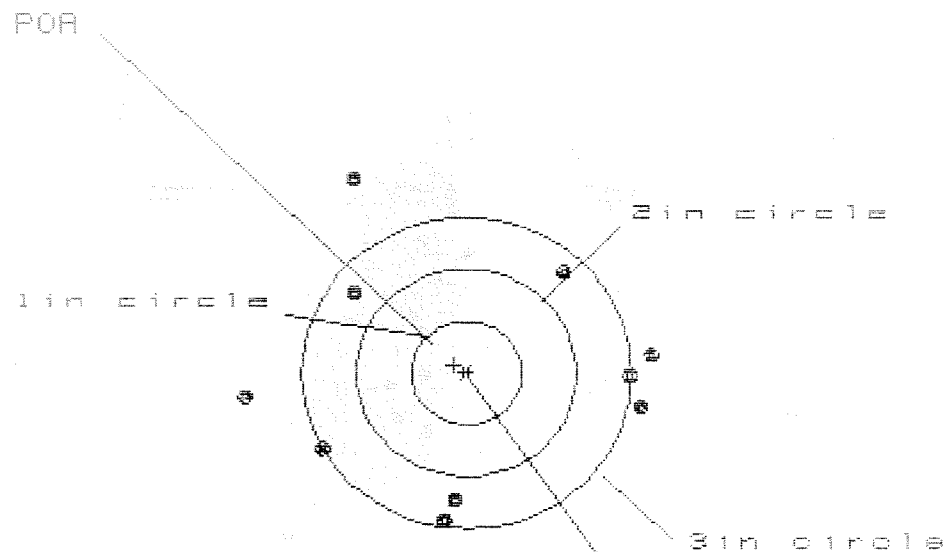
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.025	.947	.955
MINIMUM X	-.703	-.720	-.713
MAXIMUM Y	1.590	1.311	1.034
MINIMUM Y	-2.504	-1.283	-1.119
CENTROID X	.027	.105	.098
CENTROID Y	-.134	.145	-.019
POA TO CENTROID in.	.136	.178	.099
MIN RADIUS	.437	.303	.387
MEAN RADIUS	1.136	.929	.886
MAX RADIUS	2.601	1.594	1.471
HORIZONTAL SPREAD	1.728	1.667	1.667
VERTICAL SPREAD	4.094	2.594	2.153
EXTREME SPREAD	4.179	2.742	2.536
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611398

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 0

3in = 6

HS= 3.762

VS= 3.378

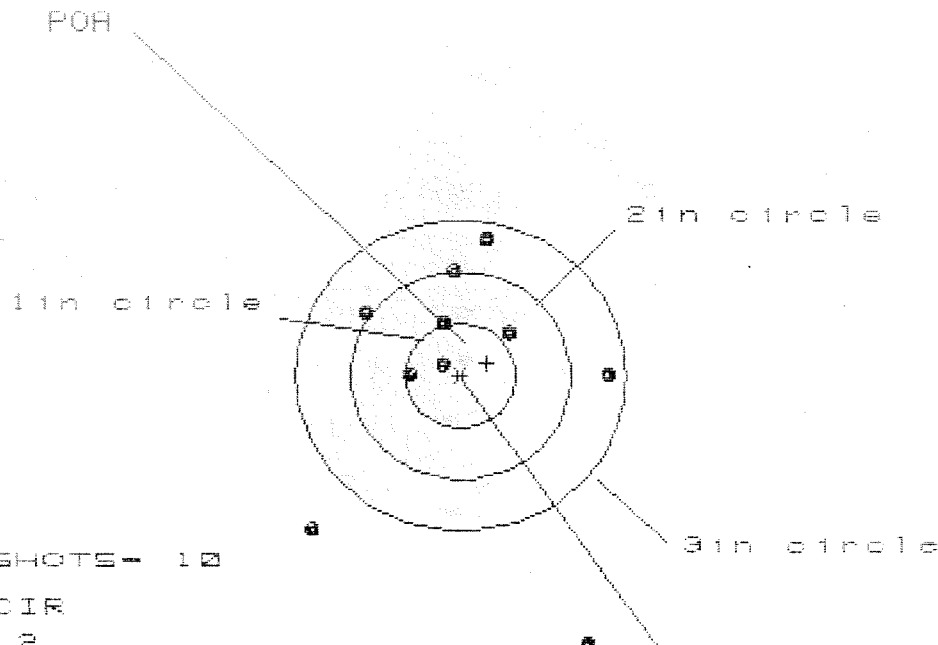
GS= 3.785

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.728	1.613	1.344
MINIMUM X	:	-2.034	-2.149	-1.712
MAXIMUM Y	:	1.916	1.230	1.231
MINIMUM Y	:	-1.462	-1.249	-1.248
CENTROID X	:	.115	.229	.498
CENTROID Y	:	-.075	-.288	-.289
POA TO CENTROID in.	:	.137	.368	.576
MIN RADIUS	:	1.244	1.053	1.120
MEAN RADIUS	:	1.595	1.503	1.389
MAX RADIUS	:	2.178	2.149	1.775
HORIZONTAL SPREAD	:	3.762	3.762	3.056
VERTICAL SPREAD	:	3.378	2.479	2.479
EXTREME SPREAD	:	3.785	3.785	3.104
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		0	
NUMBER IN THREE INCH CIRCLE	=		6	

14 Feb 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C8611398

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.665

VS = 3.881

GS = 3.984

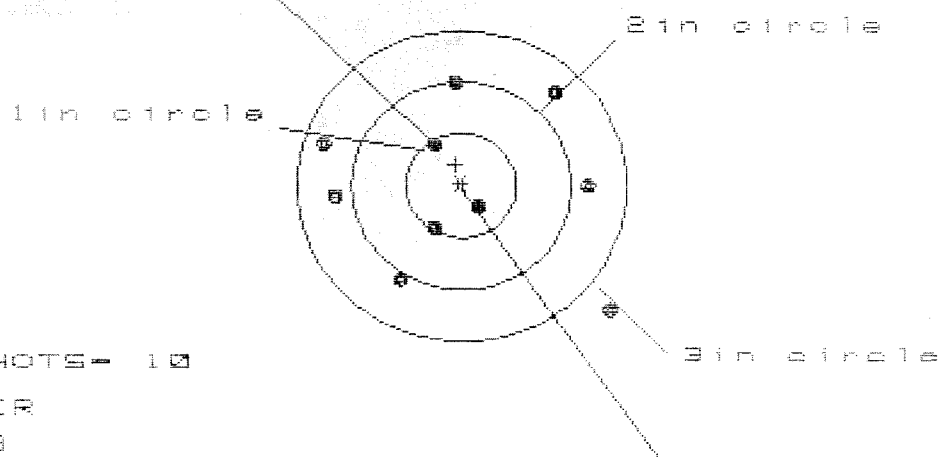
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.290	1.415	1.258
MINIMUM X	:	-1.375	-1.250	-.925
MAXIMUM Y	:	1.315	1.030	.810
MINIMUM Y	:	-2.566	-1.756	-.528
CENTROID X	:	-.239	-.364	-.207
CENTROID Y	:	-.115	.170	.390
POA TO CENTROID in.	:	.265	.401	.441
MIN RADIUS	:	.215	.182	.220
MEAN RADIUS	:	1.140	.858	.678
MAX RADIUS	:	2.800	2.156	1.364
HORIZONTAL SPREAD	:	2.665	2.665	2.183
VERTICAL SPREAD	:	3.881	2.786	1.338
EXTREME SPREAD	:	3.984	3.211	2.283
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611398

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1in = 3

2in = 3

3in = 4

HS = 2.615

VS = 2.201

GS = 3.031

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.346	1.208
MINIMUM X	:	-1.256	-1.105	-1.122
MAXIMUM Y	:	1.023	.892	.919
MINIMUM Y	:	-1.178	-.995	-.967
CENTROID X	:	.052	-.099	.039
CENTROID Y	:	-.203	-.072	-.100
POA TO CENTROID in.	:	.209	.122	.107
MIN RADIUS	:	.220	.272	.311
MEAN RADIUS	:	.982	.876	.841
MAX RADIUS	:	1.799	1.352	1.212
HORIZONTAL SPREAD	:	2.615	2.451	2.330
VERTICAL SPREAD	:	2.201	1.887	1.887
EXTREME SPREAD	:	3.031	2.476	2.332
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611398

CENTERFIRE PATTERNS

5

POB

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.423

VS= 1.958

GS= 3.020

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.229	.963	.831
MINIMUM X	-1.194	-1.057	-1.158
MAXIMUM Y	.769	.637	.697
MINIMUM Y	-1.189	-.885	-.825
CENTROID X	-.142	-.279	-.147
CENTROID Y	-.016	.116	.056
POB TO CENTROID in.	.143	.302	.157
MIN RADIUS	.393	.317	.323
MEAN RADIUS	.942	.829	.782
MAX RADIUS	1.710	1.308	1.230
HORIZONTAL SPREAD	2.423	2.020	1.989
VERTICAL SPREAD	1.958	1.522	1.522
EXTREME SPREAD	3.020	2.439	2.105
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	