

C6225060

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5715

* Includes 1 in chamber.

Remington

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: RE00147683

Serial: C6225060 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/17/2008 6:22:21 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PBO 1/75 RANGER REGIMENT

PBO 1/75 RANGER REGIMENT

Address 1: ATTN: WO1 CURTIS B MATHIS

ATTN: WO1 CURTIS B MATHIS

Address 2: 1036 LIBERATOR RD

PO Box:

1036 LIBERATOR RD

PO Box:

City: HUNTER AAF

HUNTER AAF

State: GA

Zip Code: 31409

Country: US

State: GA

Zip Code: 31409

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
A057	Fit and Rear Sgt Base	1
D000	MARS RAIL	1

Repair Search

Refresh

Close

naglelj

7/17/2008

8:10 AM

CAPS

NUM

INS

SCRL



8:10 AM

Reset

Number: C6225060

Model: M24 SWS

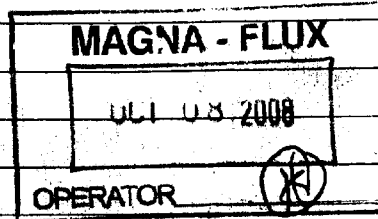


RE00147683

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

R & E NUMBER 147683
SERIAL NUMBER C6225068
LOG-IN DATE 7-77-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-29-06	RTZ
505	RE-BARREL	9-30-08	RTZ
560	ASSEMBLE	9-30-08	RTZ
600	PROOF	10-2-08	SP
605	CHECK HEADSPACE	10-2-08	SP
610	DIS-ASSEMBLE GUN	10-2-08	SP
612	MAGNAFLUX	10/8/08	HA
510	DRILL AND TAP	10-6-08	SP
615	ROLLMARK CALIBER	10/8/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10/11	✓
625	FINAL ASSEMBLY	10-14-08	RTZ
640	FUNCTION TEST AND	10-15-08	TL
650	TARGET	10-15-08	TL
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-15-08	RW
	A) HEADSPACE	10-22-08	RT
	B) TRIGGER PULL	10-22-08	RT
		10-17-08	TL
680	F) SAFETY ON FORCE	10-22-08	SP
	G) SAFETY OFF FORCE	10-22-08	RT
	I) FIRING PIN INDENT	10-22-08	RT
690	PACK	10/22/08	FM



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225060.__0

FILE DATE AND TIME: 10/16/2008 07:09

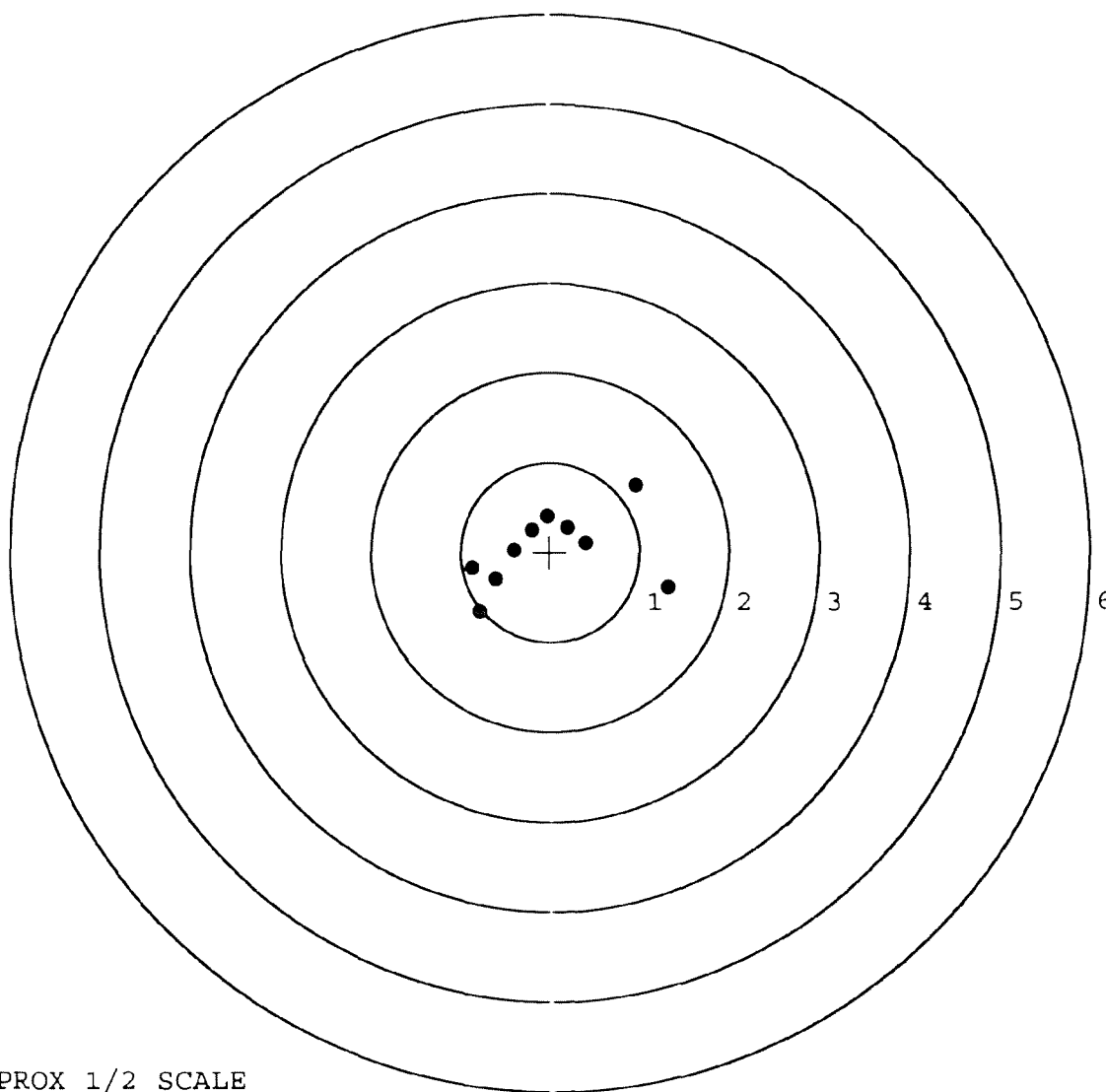
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.098
The Average Y Centroid of the Five Target Set:	-0.106
The Average Point of Impact of the Five Target Set:	0.145
The Average Mean Radius of the Five Target Set:	0.600
The Distance from POA to Centroid Target #1:	0.027
The Distance from Centroid Target #2 to Centroid Target #1:	0.520
The Distance from Centroid Target #3 to Centroid Target #1:	0.387
The Distance from Centroid Target #4 to Centroid Target #1:	0.246
The Distance from Centroid Target #5 to Centroid Target #1:	0.286

SERIAL NUMBER: C6225060. __0
TARGET NUMBER: 1
FILE DATE: 10/16/2008
FILE TIME: 07:09

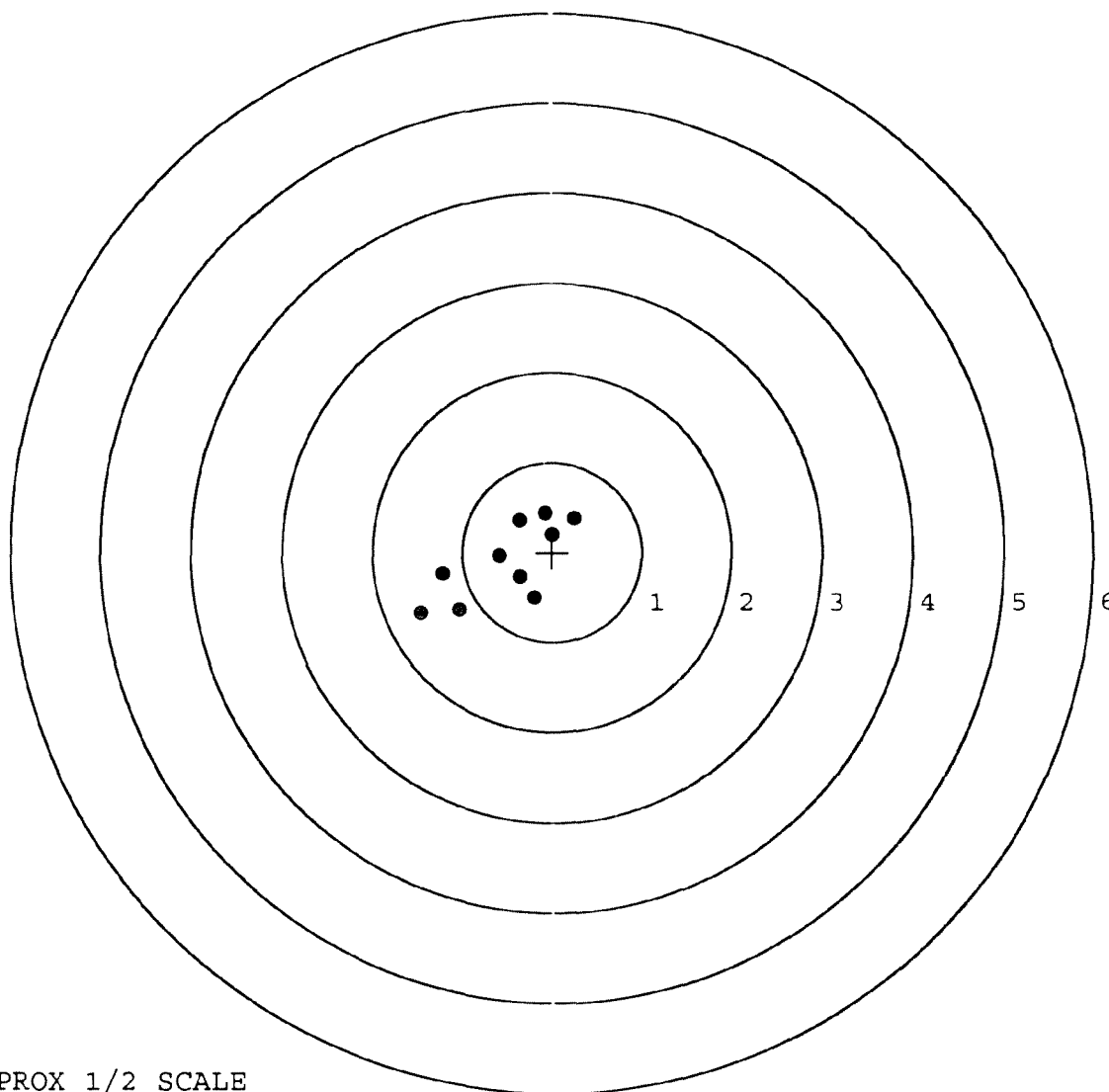
POINT#	X	Y
1:	1.317	-0.395
2:	0.963	0.748
3:	0.400	0.113
4:	0.198	0.277
5:	-0.027	0.406
6:	-0.200	0.247
7:	-0.402	0.026
8:	-0.867	-0.179
9:	-0.612	-0.306
10:	-0.792	-0.666

X CENTROID: -0.002
Y CENTROID: 0.027
POA TO CENTROID: 0.027
HORZ SPREAD: 2.184
VERT SPREAD: 1.414
GROUP SPREAD: 2.195
MIN RADIUS: 0.296
MAX RADIUS: 1.385
MEAN RADIUS: 0.703
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225060. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	-1.465	-0.685
FILE DATE: 10/16/2008	2:	-1.215	-0.245
FILE TIME: 07:09	3:	-1.037	-0.651
	4:	-0.197	-0.510
X CENTROID: -0.505	5:	-0.355	-0.274
Y CENTROID: -0.104	6:	-0.587	-0.045
POA TO CENTROID: 0.516	7:	-0.363	0.355
HORZ SPREAD: 1.712	8:	-0.078	0.438
VERT SPREAD: 1.123	9:	-0.004	0.198
GROUP SPREAD: 2.014	10:	0.247	0.375
MIN RADIUS: 0.101			
MAX RADIUS: 1.122			
MEAN RADIUS: 0.609			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225060. __0

TARGET NUMBER: 3

FILE DATE: 10/16/2008

FILE TIME: 07:09

POINT#	X	Y
1:	-0.053	0.507
2:	0.897	0.136
3:	1.238	-0.284
4:	0.130	-0.939
5:	0.030	-0.658
6:	-0.251	-0.356
7:	-0.017	-0.310
8:	0.146	-0.156
9:	0.325	-0.039
10:	0.351	-0.282

X CENTROID: 0.280

Y CENTROID: -0.238

POA TO CENTROID: 0.367

HORZ SPREAD: 1.489

VERT SPREAD: 1.446

GROUP SPREAD: 1.514

MIN RADIUS: 0.084

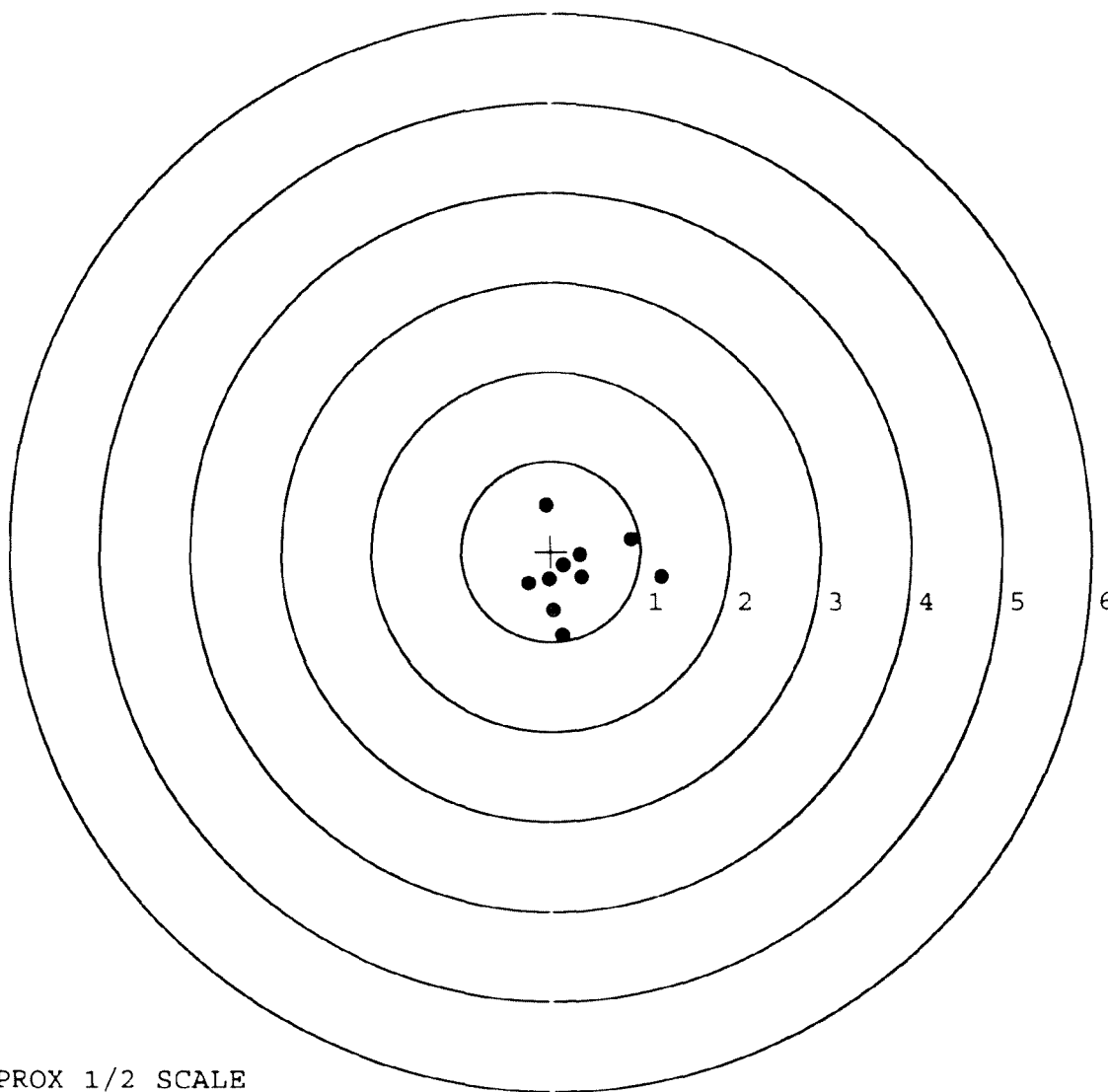
MAX RADIUS: 0.959

MEAN RADIUS: 0.500

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

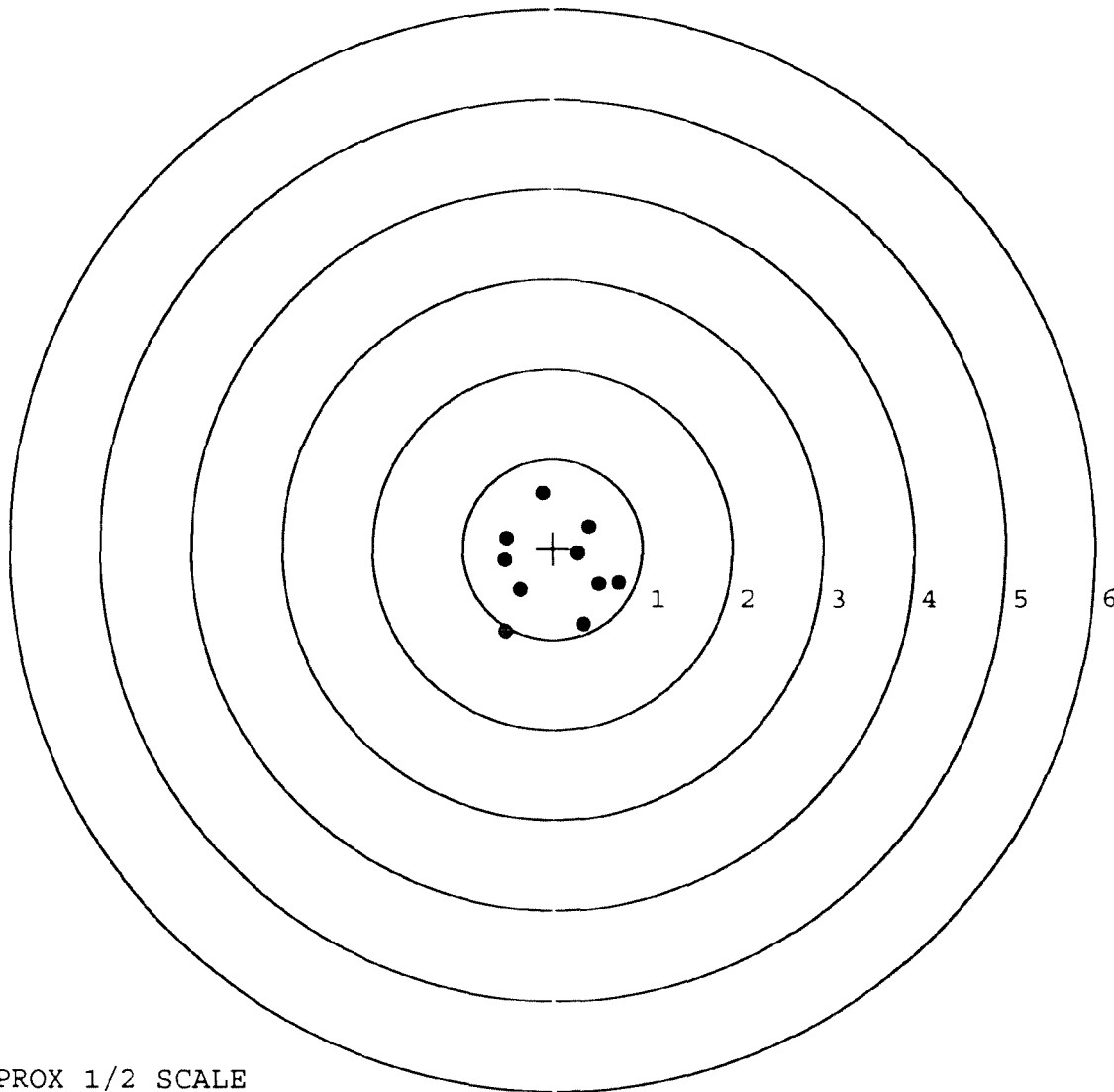


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225060. __0
TARGET NUMBER: 4
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID: 0.023
Y CENTROID: -0.218
POA TO CENTROID: 0.219
HORZ SPREAD: 1.268
VERT SPREAD: 1.532
GROUP SPREAD: 1.589
MIN RADIUS: 0.298
MAX RADIUS: 0.890
MEAN RADIUS: 0.624
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.531	-0.915
2:	0.345	-0.831
3:	-0.364	-0.457
4:	-0.531	-0.132
5:	-0.515	0.116
6:	-0.110	0.617
7:	0.404	0.251
8:	0.275	-0.059
9:	0.520	-0.391
10:	0.737	-0.378



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225060. __0

TARGET NUMBER: 5

FILE DATE: 10/16/2008

FILE TIME: 07:09

POINT#	X	Y
1:	-0.328	1.050
2:	-0.634	0.755
3:	-0.809	0.394
4:	-0.141	0.132
5:	-0.240	0.036
6:	-0.295	-0.129
7:	-0.550	-0.506
8:	-0.352	-0.548
9:	0.217	-0.688
10:	0.260	-0.480

X CENTROID: -0.287

Y CENTROID: 0.002

POA TO CENTROID: 0.287

HORZ SPREAD: 1.069

VERT SPREAD: 1.738

GROUP SPREAD: 1.821

MIN RADIUS: 0.058

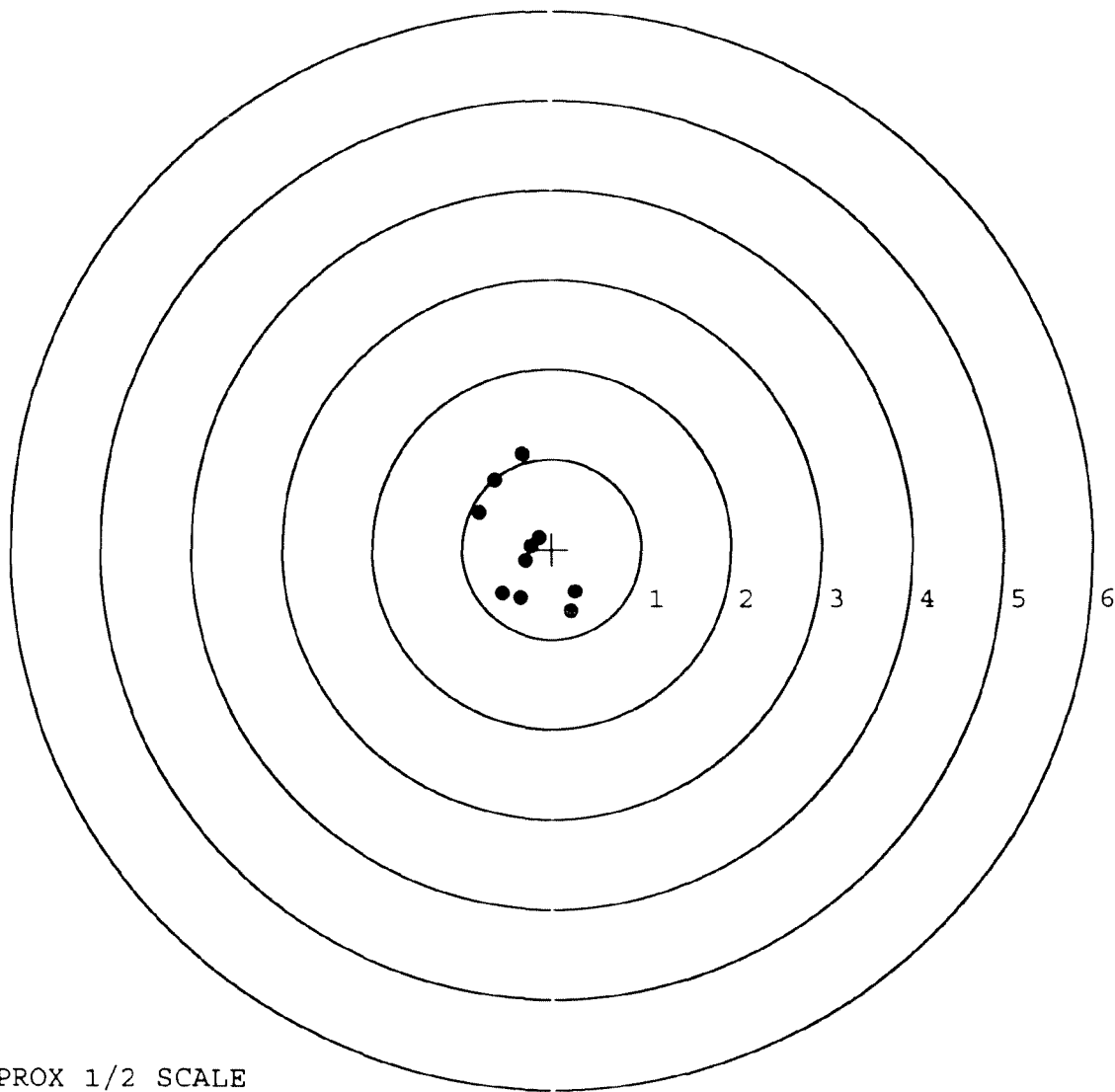
MAX RADIUS: 1.049

MEAN RADIUS: 0.562

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SCORE # 1066

M-24

ACT # DAAA21-87-C-0086

INTERCHANGABLE

SERIAL # C6225060

		READINGS	DATE	INITIAL
		9 12 88		FB
61		9 19 88		RW
607	space	9 19 88		RW
610	Dis-assemble gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	Pfe.
	Magnaflux Bolt		9 22 88	Pfe.
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/70	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/4/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/88	RW
	C) Inspect Ejector Hole for Chamfer		11/4/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/4/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		9 NOV 88	JU
	F) Safety on Force	4.5 4 4	9 NOV 88	JIS
	G) Safety off Force	3 3 3	9 NOV 88	JIS
	H) Trigger Pull Test & Retainability		9 NOV 88	JU
	I) Firing Pin Indent	.021 .021 .021	9 NOV 88	JIS
	J) Assemble Stock		11/10/88	RW
	K) Attach Front & Rear Sight Assemblies		11/10/88	RW
	L) Iron Sight Alignment		11/10/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/10/88	RW
	N) Attach Scope to Rifle		11/15/88	WB
	O) Detach & Attach Scope 20 times		11/15/88	WB
640	Gallery Target & Test	55 R 98L	11/16/88	DH
	A) Optical Clarity of Scope		11/16/88	DH
645	Inspect for Live Ammo		11/16/88	DH
655	Final Inspection			
	A) Headspace		30 NOV 88	JIS
	B) Trigger Pull	2.67 2.66 2.60	2.61 2.59	JIS
	C) Function		30 NOV 88	JIS
	D) Assemble Swivel Studs		30 NOV 88	JIS
660	Pack		12/3/88	RW

0.2
SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6225060
DATE 9/10/88
TESTER J. A.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.29	2.46	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.27	2.44	2.66	
PULL #3	2.35	2.24	2.42	2.60	
PULL #4	2.34	2.25	2.43	2.61	
PULL #5	2.35	2.27	2.43	2.59	
TOTAL	11.73	11.32	12.18	13.13	
AVG.	2.346	2.264	2.436	2.626	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.18		
PULL #2	3.02	3.14		
PULL #3	3.15	3.20		
PULL #4	3.16	3.18		
PULL #5	3.17	3.17		
TOTAL	15.66	15.87		
AVG.	3.132	3.174		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.30		4.05
PULL #2	4.25	4.30		4.02
PULL #3	4.29	4.31		4.05
PULL #4	4.25	4.33		4.04
PULL #5	4.21	4.37		4.05
TOTAL	21.22	21.61		20.81
AVG.	4.244	4.322		4.042

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060

CENTROIDAL DISTANCES

0 TO	1	.293402
1 TO	2	.317775
1 TO	3	.565984
1 TO	4	.465022
1 TO	5	.292898

 <----POA

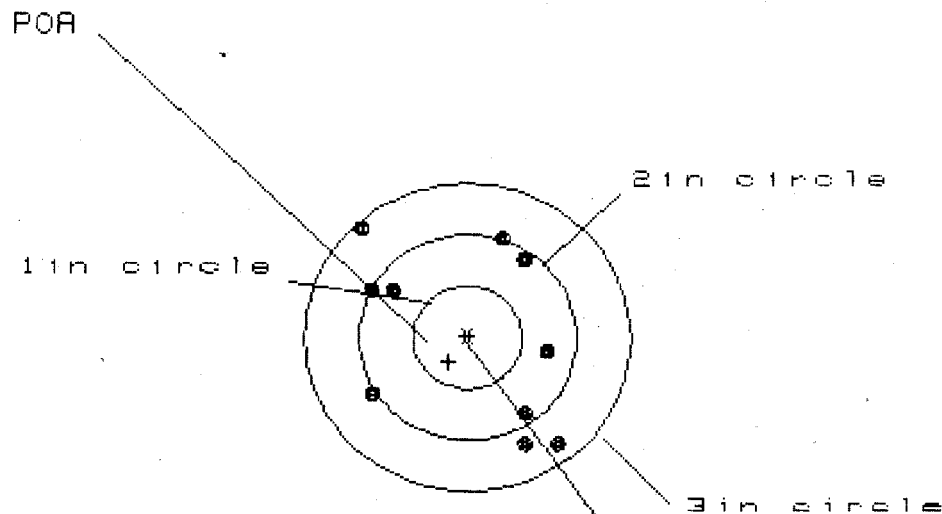
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0661157

THE AMR FOR THIS RIFLE IS: .9426

17 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.783

VS= 2.128

GS= 2.771

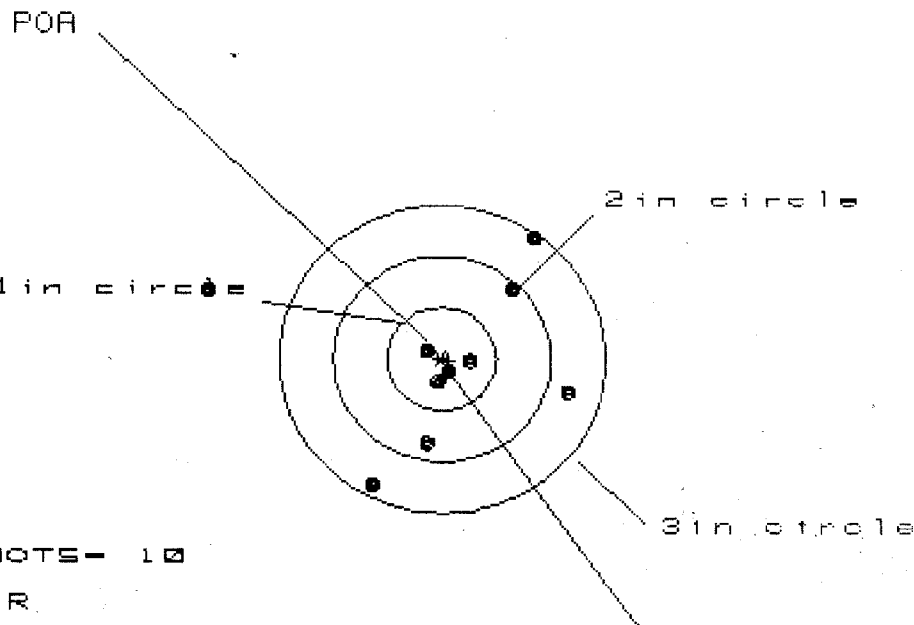
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.852	.748	.752
MINIMUM X	:	-.931	-1.019	-.925
MAXIMUM Y	:	1.046	1.049	.929
MINIMUM Y	:	-1.082	-.966	-1.086
CENTROID X	:	.177	.280	.186
CENTROID Y	:	.234	.118	.238
POA TO CENTROID in.	:	.293	.304	.302
MIN RADIUS	:	.772	.659	.763
MEAN RADIUS	:	1.043	.991	.957
MAX RADIUS	:	1.400	1.216	1.184
HORIZONTAL SPREAD	:	1.783	1.767	1.678
VERTICAL SPREAD	:	2.128	2.015	2.015
EXTREME SPREAD	:	2.771	2.307	2.047
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1988

FILE://PATTERNING/CENTERFIRE_PATT/08225060

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 3.368

VS= 2.493

GS= 3.516

CENTROID #

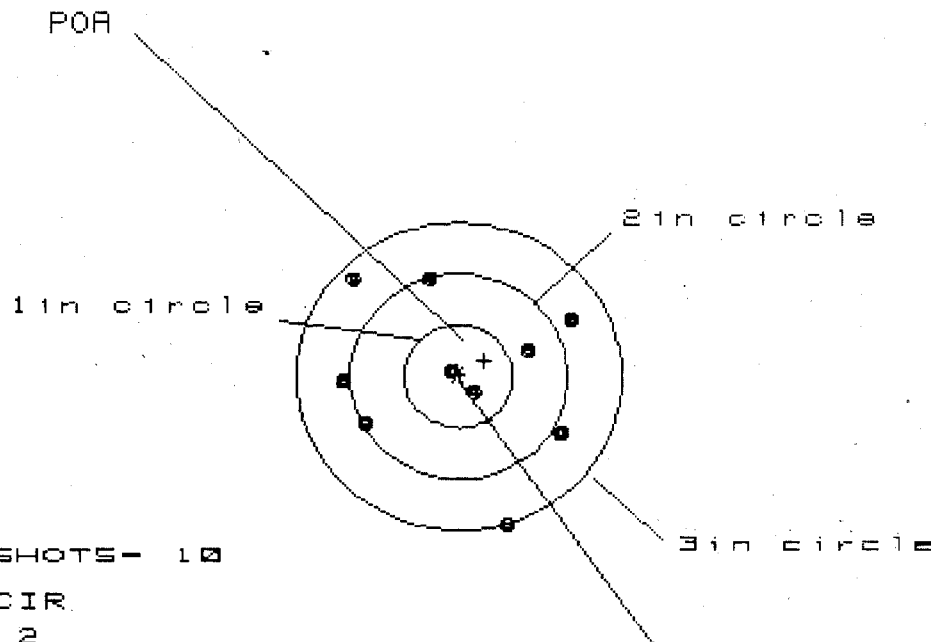
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	.963	1.039
MINIMUM X	:	-2.164	-.872	-.796
MAXIMUM Y	:	1.225	1.303	.956
MINIMUM Y	:	-1.268	-1.190	-1.027
CENTROID X	:	-.057	.184	.108
CENTROID Y	:	.019	-.059	-.222
POA TO CENTROID in.	:	.060	.193	.246
MIN RADIUS	:	.156	.052	.138
MEAN RADIUS	:	.903	.727	.637
MAX RADIUS	:	2.276	1.475	1.300
HORIZONTAL SPREAD	:	3.368	1.835	1.835
VERTICAL SPREAD	:	2.493	2.493	1.983
EXTREME SPREAD	:	3.516	2.898	2.383
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225060

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.140

VS= 2.471

GS= 2.776

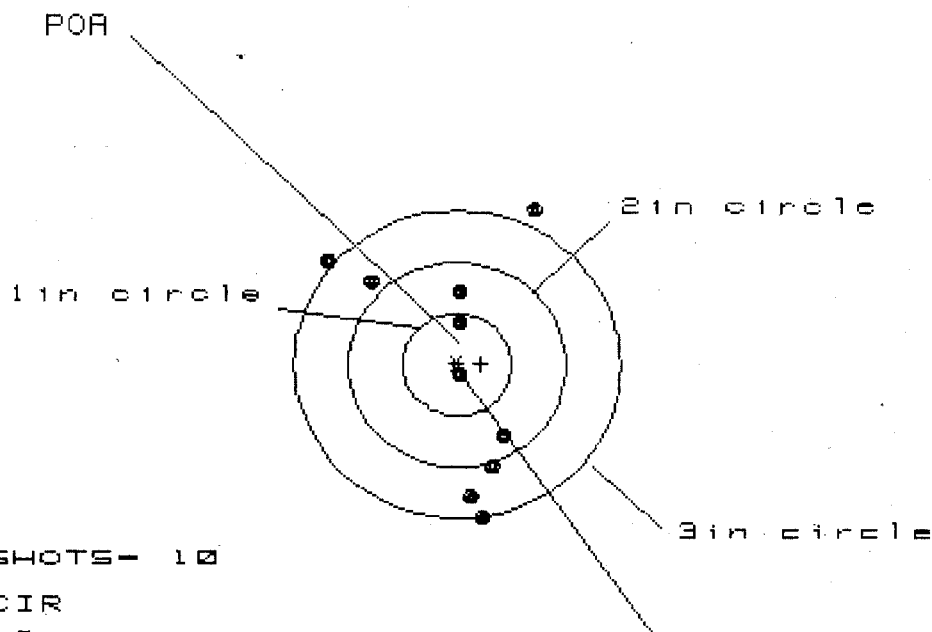
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.115	1.006
MINIMUM X	:	-1.078	-1.025	-1.134
MAXIMUM Y	:	.989	.824	.917
MINIMUM Y	:	-1.482	-.755	-.662
CENTROID X	:	-.236	-.289	-.180
CENTROID Y	:	-.153	.012	-.081
POA TO CENTROID in.	:	.281	.289	.198
MIN RADIUS	:	.053	.143	.115
MEAN RADIUS	:	.919	.856	.794
MAX RADIUS	:	1.558	1.281	1.139
HORIZONTAL SPREAD	:	2.140	2.140	2.140
VERTICAL SPREAD	:	2.471	1.579	1.579
EXTREME SPREAD	:	2.776	2.427	2.214
NUMBER IN ONE INCH CIRCLE =	:		2	
NUMBER IN TWO INCH CIRCLE =	:		3	
NUMBER IN THREE INCH CIRCLE =	:		9	

17 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 1.838

VS= 2.965

GS= 2.999

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.678	.524	.388
MINIMUM X	-1.160	-1.085	-.796
MAXIMUM Y	1.492	1.211	1.178
MINIMUM Y	-1.473	-1.307	-1.156
CENTROID X	-.217	-.292	-.156
CENTROID Y	-.013	-.179	-.330
POA TO CENTROID in.	.217	.342	.365
MIN RADIUS	.099	.089	.234
MEAN RADIUS	1.020	.950	.853
MAX RADIUS	1.639	1.626	1.422
HORIZONTAL SPREAD	1.838	1.609	1.184
VERTICAL SPREAD	2.965	2.518	2.334
EXTREME SPREAD	2.999	2.876	2.526
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

17 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225060

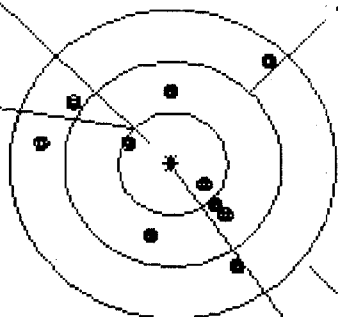
CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 10

HS- 2.124

VS- 2.017

GS- 2.259

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.904	.728	.588
MINIMUM X	-1.220	-1.120	-.998
MAXIMUM Y	.987	.772	.816
MINIMUM Y	-1.030	-.920	-.876
CENTROID X	.012	-.088	.052
CENTROID Y	-.008	-.118	-.162
POA TO CENTROID in.	.015	.147	.170
MIN RADIUS	.348	.406	.261
MEAN RADIUS	.828	.766	.685
MAX RADIUS	1.338	1.176	1.238
HORIZONTAL SPREAD	2.124	1.848	1.586
VERTICAL SPREAD	2.017	1.692	1.692
EXTREME SPREAD	2.259	2.259	2.259
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060

CENTROIDAL DISTANCES

0 TO	1	.123843
1 TO	2	.333035
1 TO	3	.144278
1 TO	4	.555685
1 TO	5	.438114

4 3 2 <----POA

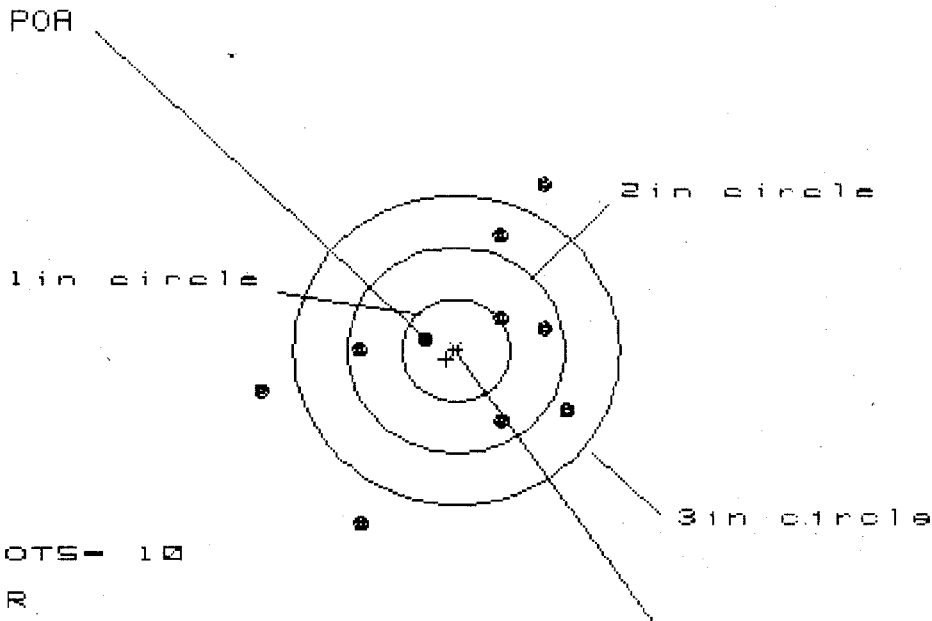
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1348
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0602
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147632
THE AMR FOR THIS RIFLE IS: .8504

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225060.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

ME = 2.783

VS = 3.239

GS = 3.648

CENTROID *

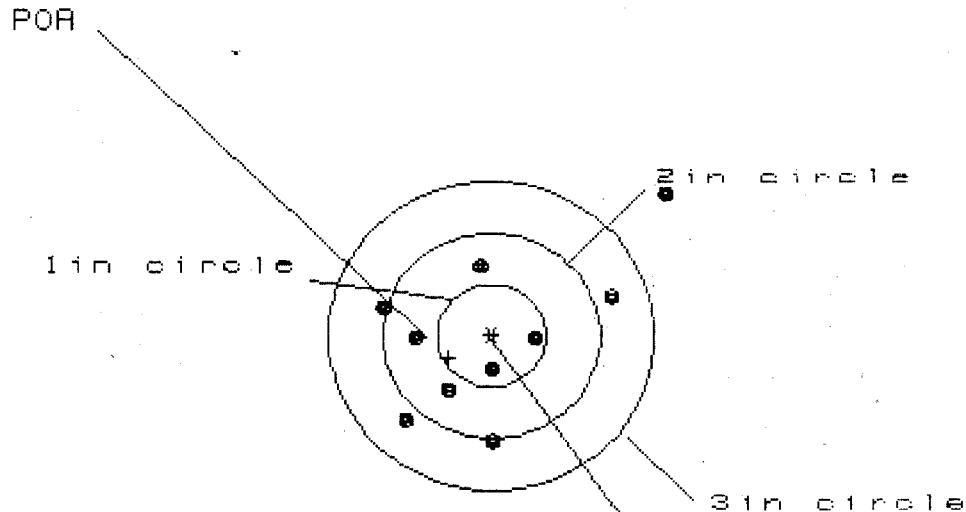
PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.917	.683
MINIMUM X	-1.773	-1.866	-1.256
MAXIMUM Y	1.577	1.392	1.322
MINIMUM Y	-1.662	-.903	-.973
CENTROID X	.091	.184	.418
CENTROID Y	.084	.269	.339
POA TO CENTROID in.	.123	.326	.538
MIN RADIUS	.297	.353	.129
MEAN RADIUS	1.117	1.010	.849
MAX RADIUS	1.864	1.950	1.416
HORIZONTAL SPREAD	2.783	2.783	1.939
VERTICAL SPREAD	3.239	2.295	2.295
EXTREME SPREAD	3.648	3.260	2.375
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225060.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.646

VS= 2.399

GS= 3.293

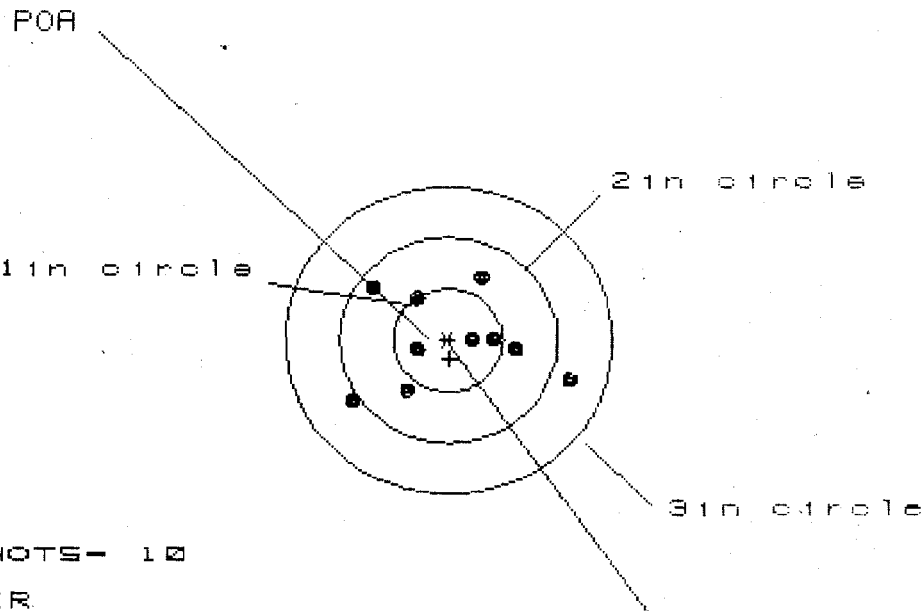
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.602	1.279	.718
MINIMUM X	-1.044	-.866	-.706
MAXIMUM Y	1.399	.880	.953
MINIMUM Y	-1.000	-.844	-.771
CENTROID X	.395	.217	.057
CENTROID Y	.220	.064	-.009
POA TO CENTROID in.	.452	.226	.058
MIN RADIUS	.350	.264	.337
MEAN RADIUS	.939	.762	.661
MAX RADIUS	2.127	1.405	.981
HORIZONTAL SPREAD	2.646	2.145	1.424
VERTICAL SPREAD	2.399	1.724	1.724
EXTREME SPREAD	3.293	2.291	1.725
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225060.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.963

VS= 1.170

GS= 2.053

CENTROID *

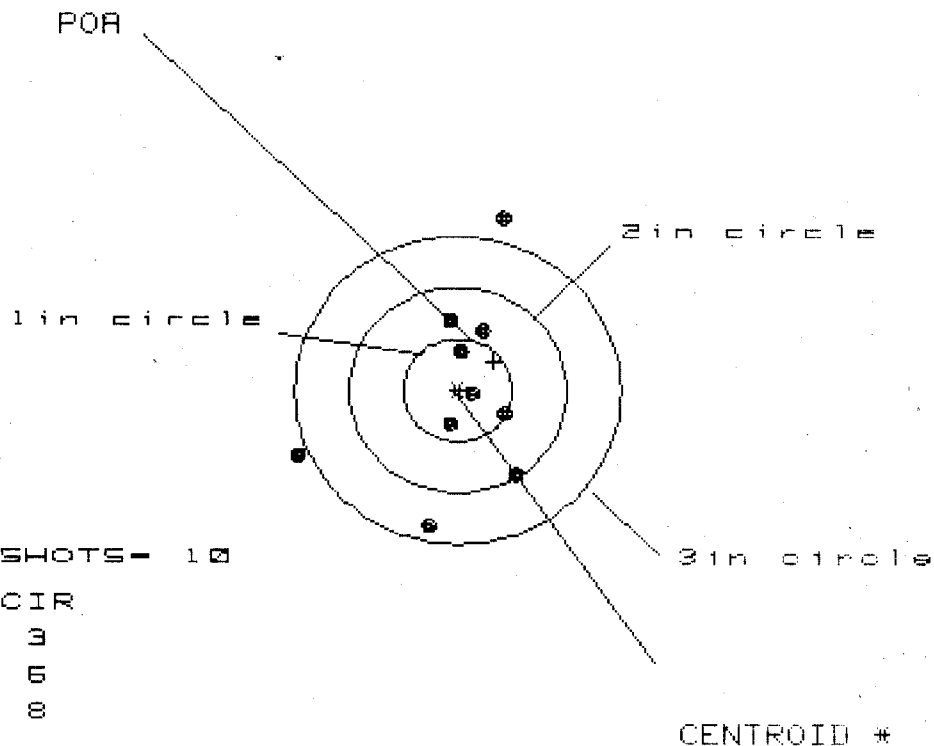
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.090	.744	.650
MINIMUM X	-.873	-.752	-.706
MAXIMUM Y	.601	.554	.477
MINIMUM Y	-.569	-.616	-.638
CENTROID X	-.013	-.134	-.040
CENTROID Y	.184	.231	.308
POA TO CENTROID in.	.185	.267	.311
MIN RADIUS	.246	.218	.280
MEAN RADIUS	.659	.597	.538
MAX RADIUS	1.169	.972	.811
HORIZONTAL SPREAD	1.963	1.496	1.356
VERTICAL SPREAD	1.170	1.170	1.115
EXTREME SPREAD	2.053	1.650	1.482
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/082250B0.J

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 6

3 in - 8

HS- 1.971

VS- 2.967

GS- 3.030

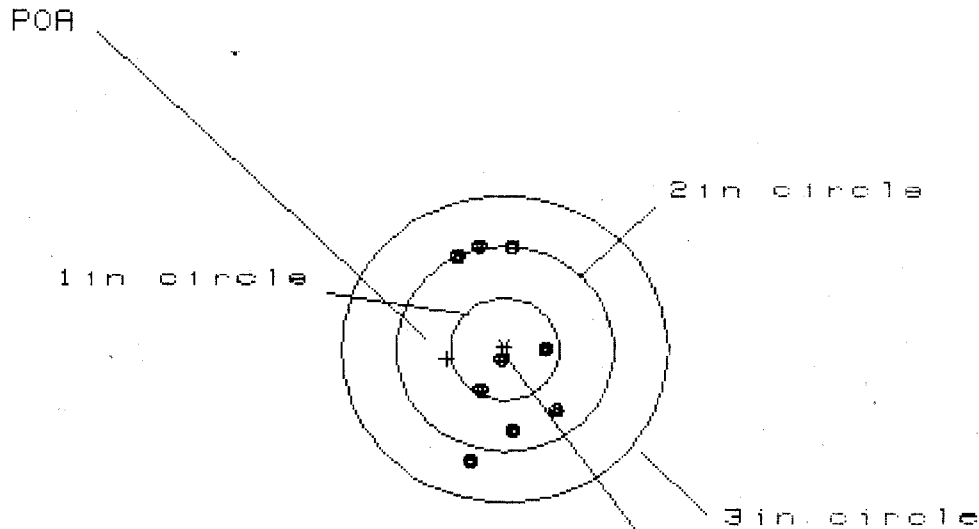
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.549	.592	.420
MINIMUM X	-1.422	-1.379	-.359
MAXIMUM Y	1.656	.829	.775
MINIMUM Y	-1.311	-1.127	-1.181
CENTROID X	-.328	-.371	-.199
CENTROID Y	-.281	-.465	-.411
POA TO CENTROID in.	.432	.595	.456
MIN RADIUS	.161	.106	.067
MEAN RADIUS	.822	.728	.597
MAX RADIUS	1.700	1.447	1.235
HORIZONTAL SPREAD	1.971	1.971	.779
VERTICAL SPREAD	2.967	1.956	1.956
EXTREME SPREAD	3.030	2.031	1.973
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225060.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= .912

VS= 2.116

GS= 2.152

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.440	.400	.400
MINIMUM X	-.472	-.512	-.512
MAXIMUM Y	1.040	.920	1.010
MINIMUM Y	-1.076	-.929	-.814
CENTROID X	.529	.569	.569
CENTROID Y	.094	.214	.099
POA TO CENTROID in.	.538	.607	.578
MIN RADIUS	.107	.227	.113
MEAN RADIUS	.715	.676	.616
MAX RADIUS	1.133	.933	1.038
HORIZONTAL SPREAD	.912	.912	.912
VERTICAL SPREAD	2.116	1.849	1.824
EXTREME SPREAD	2.152	1.849	1.838
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

GFM

CONTRACT # DAAA21-87-C-0086

New Barrel
New Stock

GUN SERIAL # C6225060

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/18/93	RW
600	Proof		8/18/93	RW
607	Check Headspace		8/18/93	RW
610	Dis-assemble Gun		8/18/93	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/30/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/30/93	RW
	C) Inspect Ejector Hole for Chamfer		8/30/93	RW
	D) Oil Firing Pin Ass'y		8/30/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock						8/30/93	RW
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
630	Gallery Target & Test						8/30/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						8/30/93	RW
655	Final Inspection						8/31/93	RW
	A) Headspace						8/31/93	RW
	B) Trigger Pull	2.77	2.79	2.83	2.84	2.83	8/31/93	RW
	C) Function						8/30/93	RW
660	Pack							

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 93-16859

ATTN: FRED MARTIN M24 W/ULTRA 10X-M3A SCOPE

INITIAL
FPS

CUSTOMER ORDER NO.

DATE RECEIVED
08/17/93

DATE OPENED
08/17/93

DATE CODE
DI 9-88

SERIAL NUMBER
C6225060

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

W/STUDS

FROM:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF

GA 31409

SHIP TO:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF

GA

31409

CUST NO: 059608 C.O.L.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

10,000 Rds on Gun

PARTS

COMMENTS

Barrel Assy - 96002
Stock Assy - 96018

New Barrel, New Stock
ReZinc - Scope Base, Scope Rings
Swivel Studs.
Re powder Coat - Floor plate, Latch,
Trigger Guard, Front & Rear Sight
Bases.

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400048037

MAINTENANCE REQUEST				PAGE NO.		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG PD		PD AUTHENTICATION		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <i>B Co 1st Pz Regt</i>			B. LOCATION <i>Bldg 1279A HAAF, Ga 31409</i>			C. UNIT IDENT CODE <i>WHL3BO</i>			
2. SERIAL NO. <i>C 6225060</i>		3. NOUN NOMENCLATURE <i>7.62mm Rifle</i>			4. LINE NO. <i>R95387</i>		5. MODEL <i>M24</i>		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>		
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC		9C. PACING ITEM	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☒ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☒ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Fired over 10,000 Rounds</i>											
B. REMARKS <i>Scope #881066</i>											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE				18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)			
B. LOCATION								☐ 1 TOE ☐ 2 TD ☒ 3 Contractor			
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST		
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					.						\$
					I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST				
						\$	\$				
21. DELAY (Select One)		☐ 1 Parts		☐ 2 Manpower		☐ 3 Facilities		☐ 4 Funds		☐ 5 Tools	
22.		Data Transcribed									
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE <i>93196</i>		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

DA FORM 2407, AUG 88

EDITION OF MAY 81 MAY BE USED

NMP COPY 2

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400048038

Final Inspection

In: C6225060

DATE REC'D: 8/17/93

DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

SCOPE ASSY.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

MISC.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

STOCK ASSY.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

SYSTEMS CASE

☒ SCOPE CASE☐ IRON SIGHTS☐ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION☒ SET

Comments: New Barrel + Stock.

Stock Damaged by Customer.

Over 10,000 Rds on old Barrel

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060
31 Aug 1993

CENTROIDAL DISTANCES

0 TO	1	.70777
1 TO	2	.88599
1 TO	3	1.07655
1 TO	4	.981073
1 TO	5	1.13334

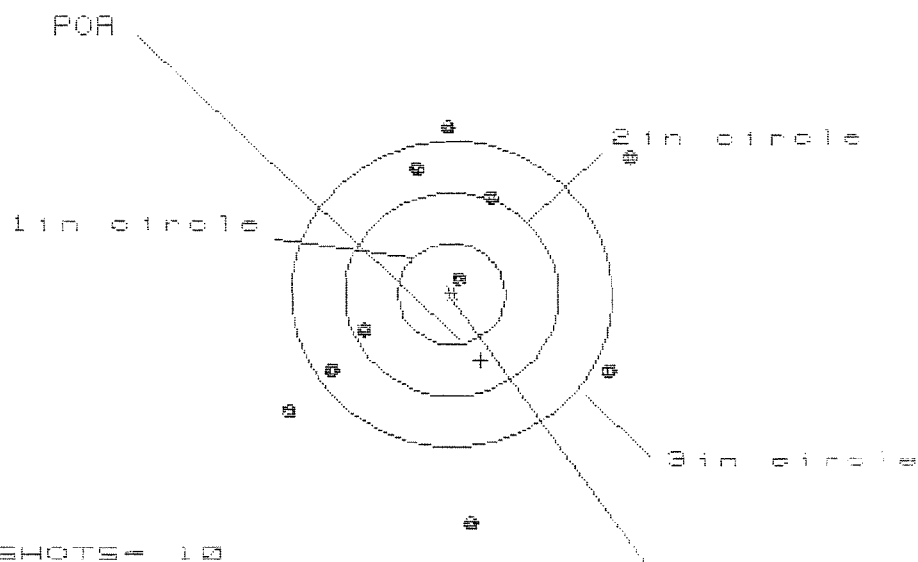
$\frac{1}{3} + \frac{25}{3} \leftarrow \text{POA}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3888
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1986
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .436586
THE AMR FOR THIS RIFLE IS: 1.135

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08225080

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 2

3in = 5

IS = 0.1000

VS = 0.0000

GS = 4.0000

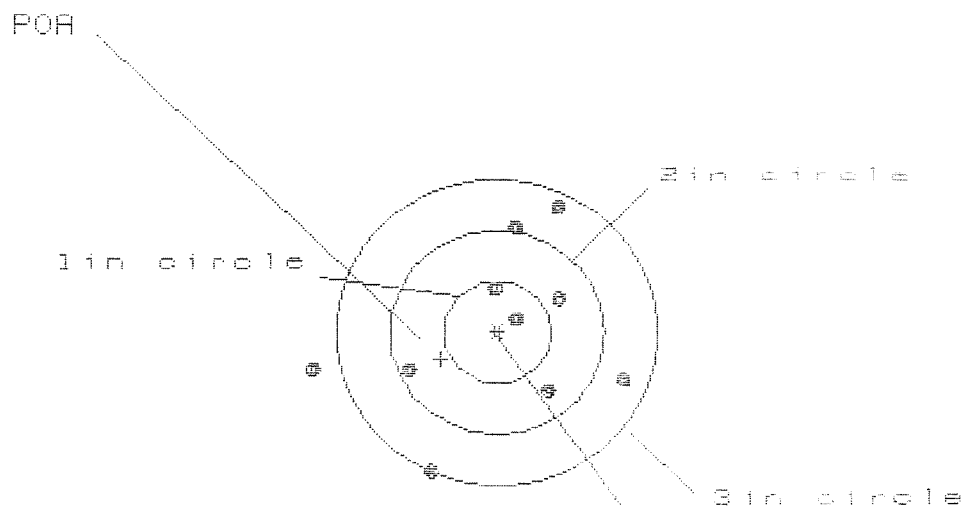
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.701	1.717	1.713
MINIMUM X	-1.489	-1.473	-1.258
MAXIMUM Y	1.602	1.354	1.485
MINIMUM Y	-2.236	-1.401	-1.270
CENTROID X	-0.273	-0.289	-0.504
CENTROID Y	.653	.901	.770
POA TO CENTROID in.	.708	.947	.920
MIN RADIUS	.200	.083	.288
MEAN RADIUS	1.435	1.301	1.218
MAX RADIUS	2.241	2.033	1.934
HORIZONTAL SPREAD	3.190	3.190	2.971
VERTICAL SPREAD	3.838	2.755	2.755
EXTREME SPREAD	4.023	4.023	3.123
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	5		

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225000

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.982

VS = 2.574

GS = 2.983

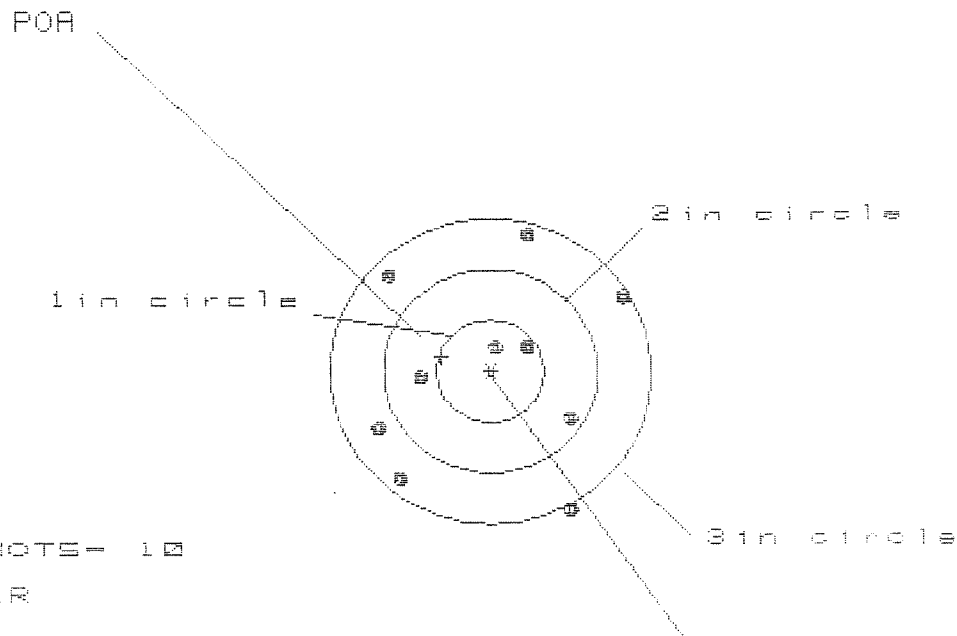
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.212	1.015	.912
MINIMUM X	-1.770	-1.024	-1.127
MAXIMUM Y	1.202	1.164	.988
MINIMUM Y	-1.372	-1.410	-.732
CENTROID X	.524	.721	.824
CENTROID Y	.266	.304	.490
POA TO CENTROID in.	.588	.782	.954
MIN RADIUS	.198	.089	.171
MEAN RADIUS	.988	.855	.729
MAX RADIUS	1.803	1.633	1.288
HORIZONTAL SPREAD	2.982	2.039	2.039
VERTICAL SPREAD	2.574	2.574	1.720
EXTREME SPREAD	2.983	2.861	2.167
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.316

VS= 2.697

GS= 2.916

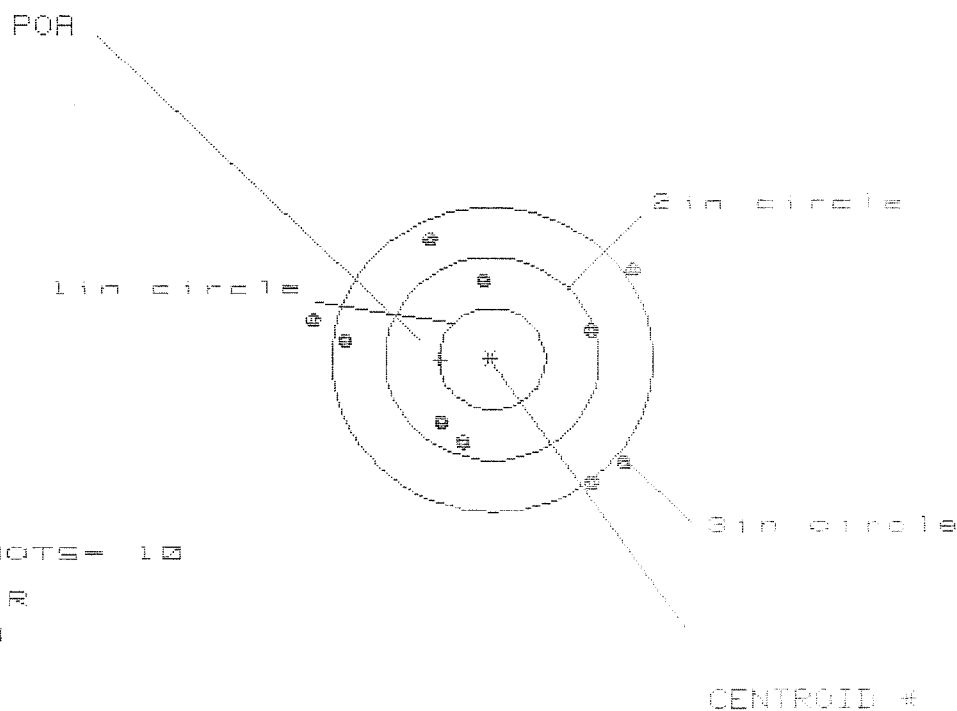
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.281	1.369	.976
MINIMUM X	:	-1.035	-.947	-.776
MAXIMUM Y	:	1.335	1.184	1.257
MINIMUM Y	:	-1.362	-1.210	-1.137
CENTROID X	:	.454	.366	.195
CENTROID Y	:	-.141	.010	-.063
POA TO CENTROID in.	:	.476	.366	.285
MIN RADIUS	:	.266	.176	.359
MEAN RADIUS	:	1.050	.976	.915
MAX RADIUS	:	1.576	1.490	1.396
HORIZONTAL SPREAD	:	2.316	2.316	1.752
VERTICAL SPREAD	:	2.697	2.394	2.394
EXTREME SPREAD	:	2.916	2.764	2.663
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08225000

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS= 2.961

VS= 2.473

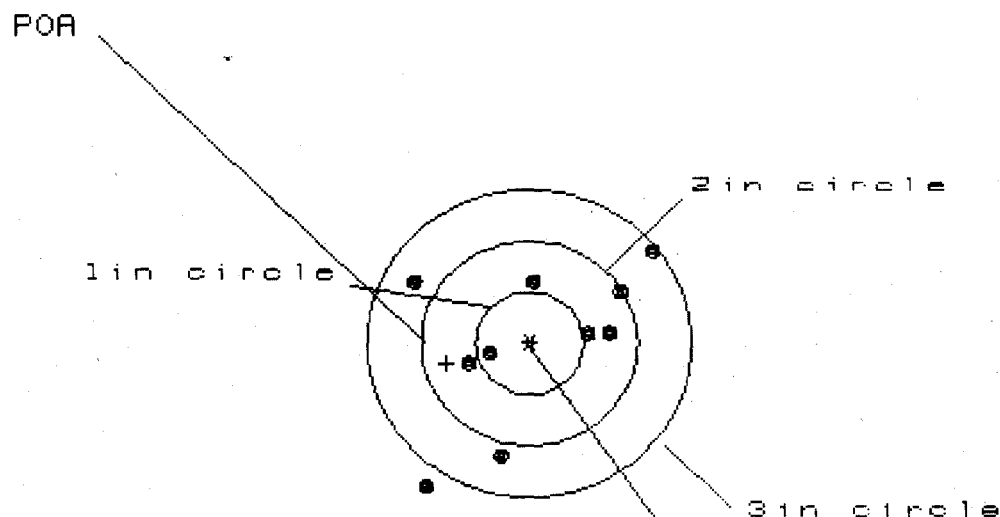
GS= 3.240

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.335	1.155	1.290
MINIMUM X	-1.626	-1.569	-1.434
MAXIMUM Y	1.210	1.254	1.127
MINIMUM Y	-1.264	-1.219	-1.346
CENTROID X	.474	.654	.519
CENTROID Y	.017	-.027	.100
POA TO CENTROID in.	.474	.655	.529
MIN RADIUS	.788	.762	.732
MEAN RADIUS	1.264	1.211	1.162
MAX RADIUS	1.675	1.591	1.631
HORIZONTAL SPREAD	2.961	2.724	2.724
VERTICAL SPREAD	2.473	2.473	2.473
EXTREME SPREAD	3.240	2.945	2.919
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	6	

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 9

HS- 2.228

VS- 2.333

GS- 3.145

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.160	1.055	.847
MINIMUM X	:	-1.068	-1.173	-1.041
MAXIMUM Y	:	.919	.762	.581
MINIMUM Y	:	-1.414	-1.211	-1.115
CENTROID X	:	.765	.870	.738
CENTROID Y	:	.198	.355	.260
POA TO CENTROID in.	:	.790	.940	.783
MIN RADIUS	:	.397	.407	.393
MEAN RADIUS	:	.939	.834	.773
MAX RADIUS	:	1.703	1.301	1.192
HORIZONTAL SPREAD	:	2.228	2.228	1.888
VERTICAL SPREAD	:	2.333	1.973	1.696
EXTREME SPREAD	:	3.145	2.434	1.906
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	