

C6498815

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00129840

Serial: C6498815 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 5/30/2007 10:36:20 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: BLDG 49015 CRSP UPSTAIRS

BLDG 49015 CRSP UPSTAIRS

Address 2: SANTA FE AVE

PO Box:

SANTA FE AVE

PO Box:

City: FORT HOOD

FORT HOOD

State: TX

Zip Code: 76544

Country: US

State: TX

Zip Code: 76544

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	2

Repair Search

Refresh

Close

nagletj

5/30/2007

2:05 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

2 Mi...

Part ...

4 In...

SAP L...

Arms ...

2:05 PM

Serial Number: C6498815

Model: M24 SWS



RE00129840

Remington



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

MODEL 700TM M24

SERIAL NO.

C6498815

ORDER NO.

5716

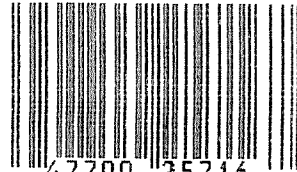
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

01



5716 C6498815

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008245

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 7-18-07

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.62	2.82		2.80	
PULL #2	2.50	2.88		2.81	
PULL #3	2.36	2.57		2.81	
PULL #4	2.30	2.54		2.82	
PULL #5	2.31	2.45		2.86	
TOTAL	12.09	13.26		14.10	
AVERAGE	2.41	2.65		2.82	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.17		
PULL #2	3.14	3.18		
PULL #3	3.06	3.20		
PULL #4	3.15	3.23		
PULL #5	3.14	3.27		
TOTAL	15.72	16.05		
AVERAGE	3.14	3.21		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.32	4.56		4.57
PULL #2	4.26	4.59		4.58
PULL #3	4.33	4.48		4.57
PULL #4	4.34	4.43		4.69
PULL #5	4.35	4.51		4.64
TOTAL	21.60	22.57		23.05
AVERAGE	4.32	4.51		4.61

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498815.___0
FILE DATE AND TIME: 07/26/2007 07:18

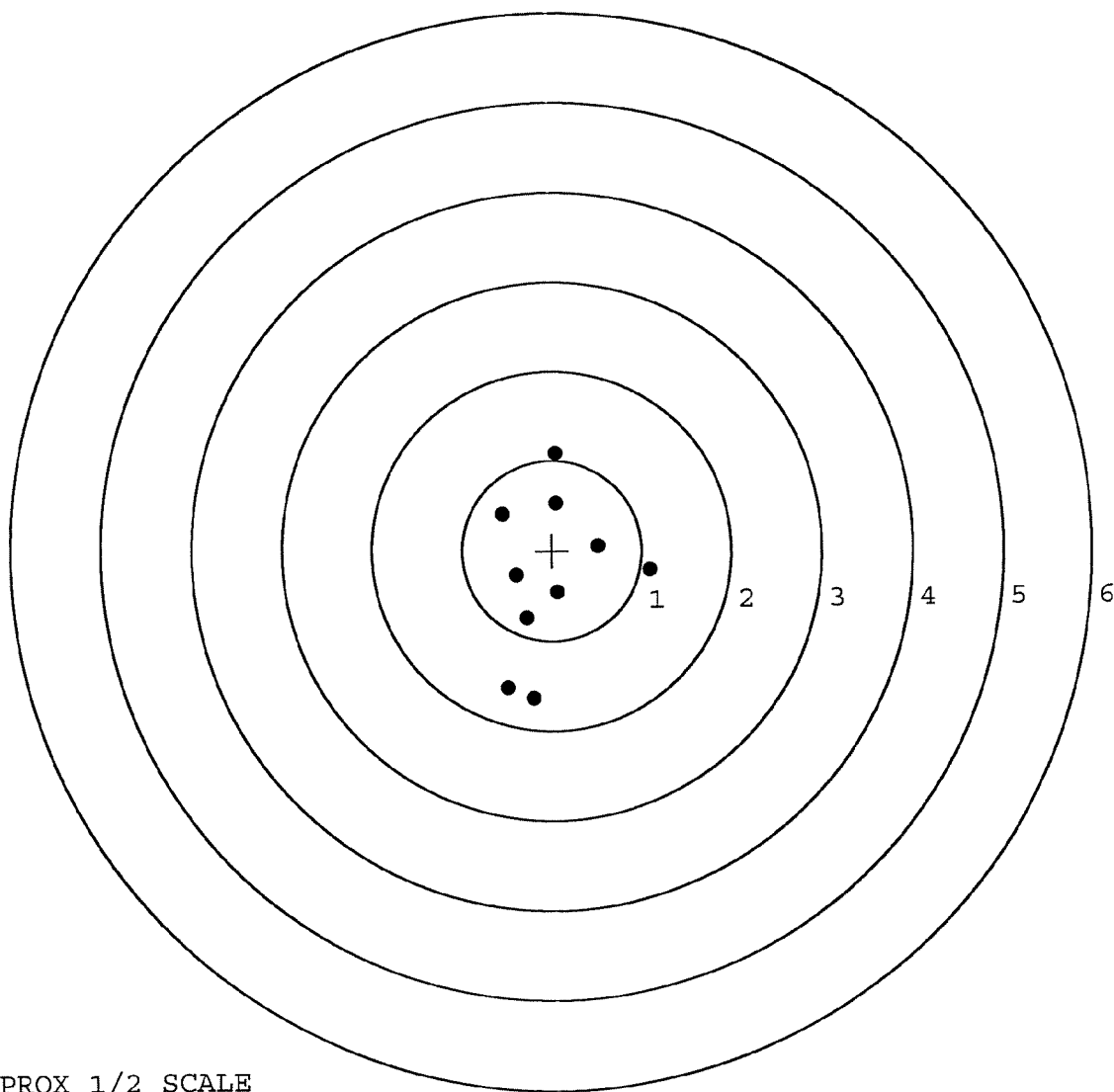
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.042
The Average Y Centroid of the Five Target Set:	-0.095
The Average Point of Impact of the Five Target Set:	0.103
The Average Mean Radius of the Five Target Set:	0.595
The Distance from POA to Centroid Target #1:	0.282
The Distance from Centroid Target #2 to Centroid Target #1:	0.258
The Distance from Centroid Target #3 to Centroid Target #1:	0.150
The Distance from Centroid Target #4 to Centroid Target #1:	0.439
The Distance from Centroid Target #5 to Centroid Target #1:	0.176

SERIAL NUMBER: C6498815. 0
TARGET NUMBER: 1
FILE DATE: 07/26/2007
FILE TIME: 07:18

X CENTROID: -0.021
Y CENTROID: -0.282
POA TO CENTROID: 0.282
HORZ SPREAD: 1.644
VERT SPREAD: 2.715
GROUP SPREAD: 2.729
MIN RADIUS: 0.196
MAX RADIUS: 1.374
MEAN RADIUS: 0.861
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.224	-1.640
2:	-0.511	-1.524
3:	-0.290	-0.752
4:	0.059	-0.461
5:	-0.402	-0.272
6:	0.518	0.049
7:	1.091	-0.222
8:	0.051	0.521
9:	-0.553	0.410
10:	0.053	1.075

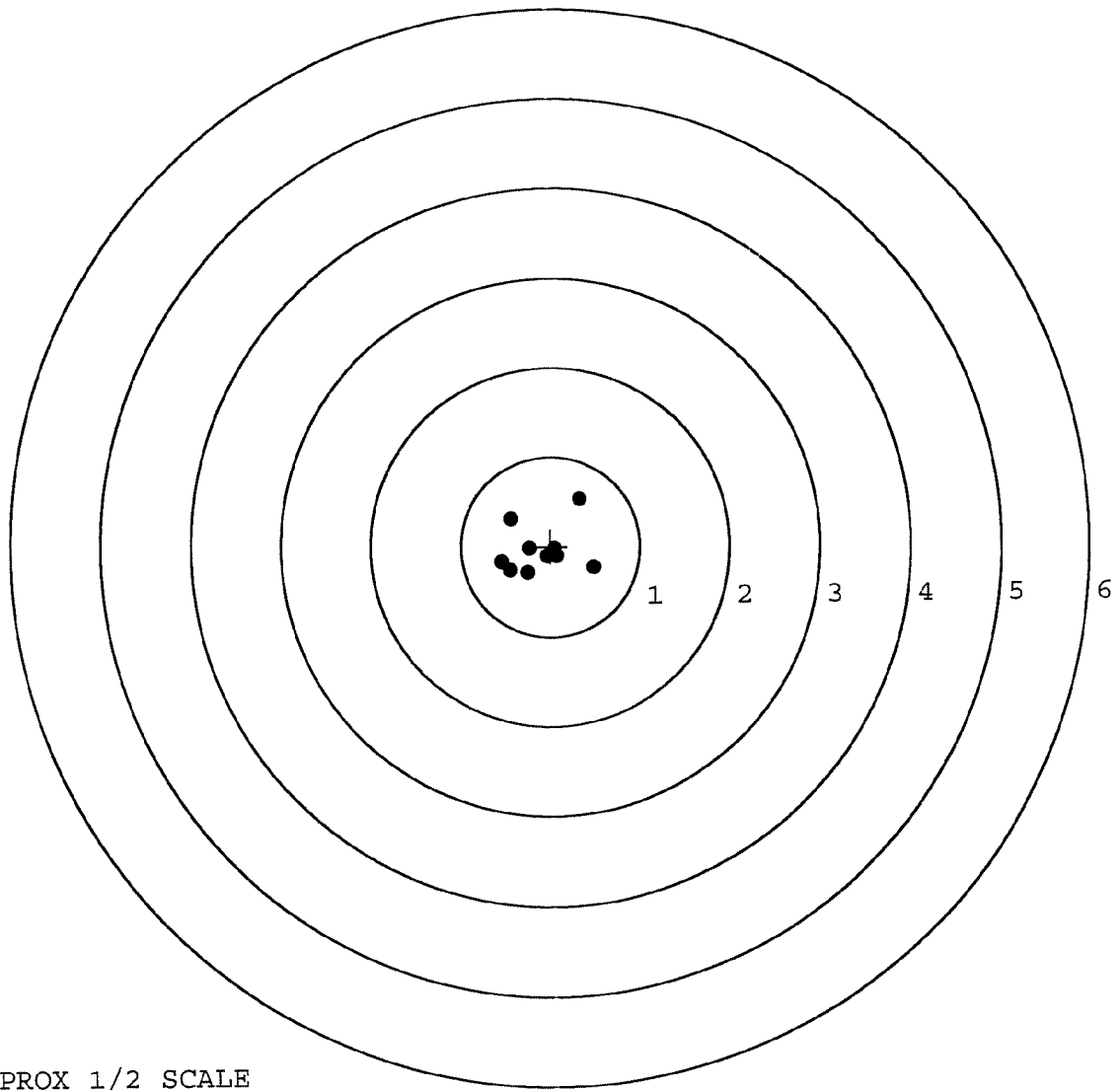


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498815. 0
TARGET NUMBER: 2
FILE DATE: 07/26/2007
FILE TIME: 07:18

X CENTROID: -0.108
Y CENTROID: -0.039
POA TO CENTROID: 0.115
HORZ SPREAD: 1.033
VERT SPREAD: 0.810
GROUP SPREAD: 1.118
MIN RADIUS: 0.096
MAX RADIUS: 0.711
MEAN RADIUS: 0.356
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.040	-0.033
2:	0.327	0.523
3:	-0.444	0.309
4:	-0.553	-0.167
5:	0.480	-0.237
6:	-0.246	-0.021
7:	-0.264	-0.287
8:	-0.043	-0.110
9:	0.073	-0.107
10:	-0.455	-0.262

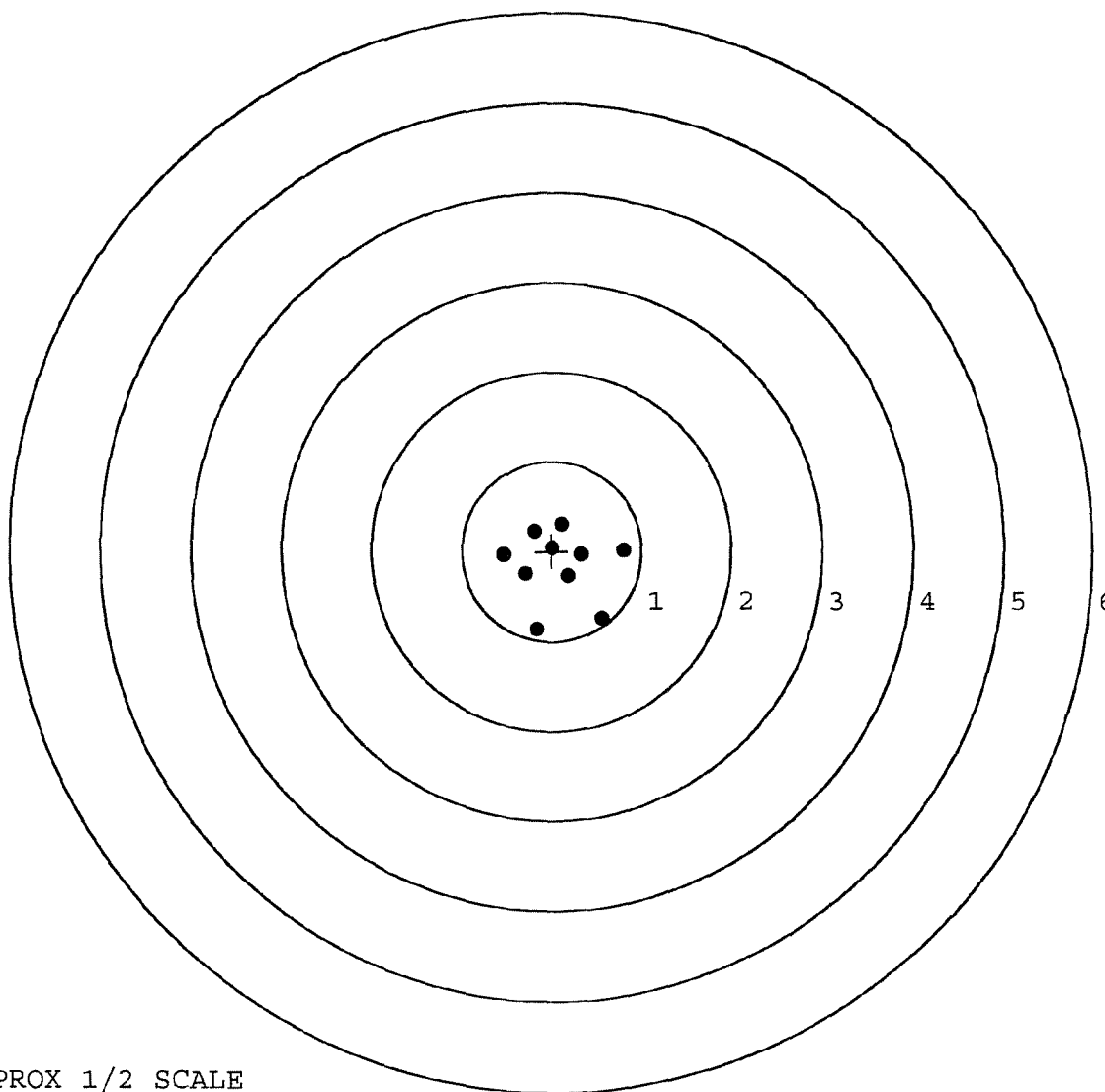


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498815. __0
TARGET NUMBER: 3
FILE DATE: 07/26/2007
FILE TIME: 07:18

X CENTROID: 0.077
Y CENTROID: -0.168
POA TO CENTROID: 0.185
HORZ SPREAD: 1.340
VERT SPREAD: 1.163
GROUP SPREAD: 1.298
MIN RADIUS: 0.155
MAX RADIUS: 0.749
MEAN RADIUS: 0.485
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.554	-0.746
2:	-0.173	-0.869
3:	0.800	0.013
4:	0.331	-0.046
5:	0.184	-0.280
6:	-0.302	-0.256
7:	-0.540	-0.047
8:	0.115	0.294
9:	-0.205	0.219
10:	0.009	0.038

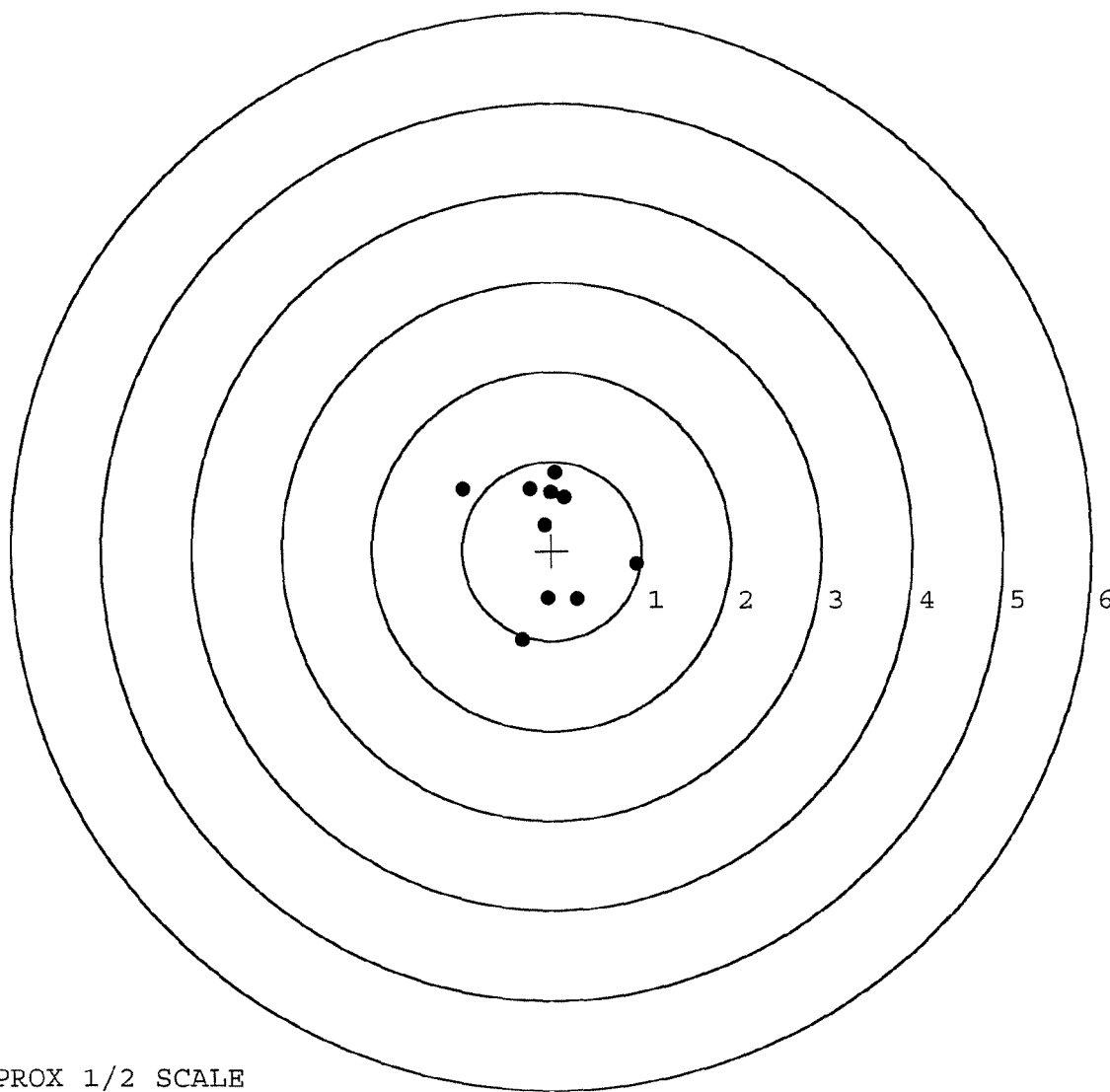


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498815. __0
TARGET NUMBER: 4
FILE DATE: 07/26/2007
FILE TIME: 07:18

X CENTROID: -0.030
Y CENTROID: 0.157
POA TO CENTROID: 0.160
HORZ SPREAD: 1.942
VERT SPREAD: 1.874
GROUP SPREAD: 1.910
MIN RADIUS: 0.142
MAX RADIUS: 1.194
MEAN RADIUS: 0.720
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.946	-0.148
2:	0.285	-0.547
3:	-0.041	-0.539
4:	-0.329	-0.999
5:	-0.996	0.687
6:	-0.080	0.290
7:	0.138	0.598
8:	-0.252	0.693
9:	0.039	0.875
10:	-0.014	0.660

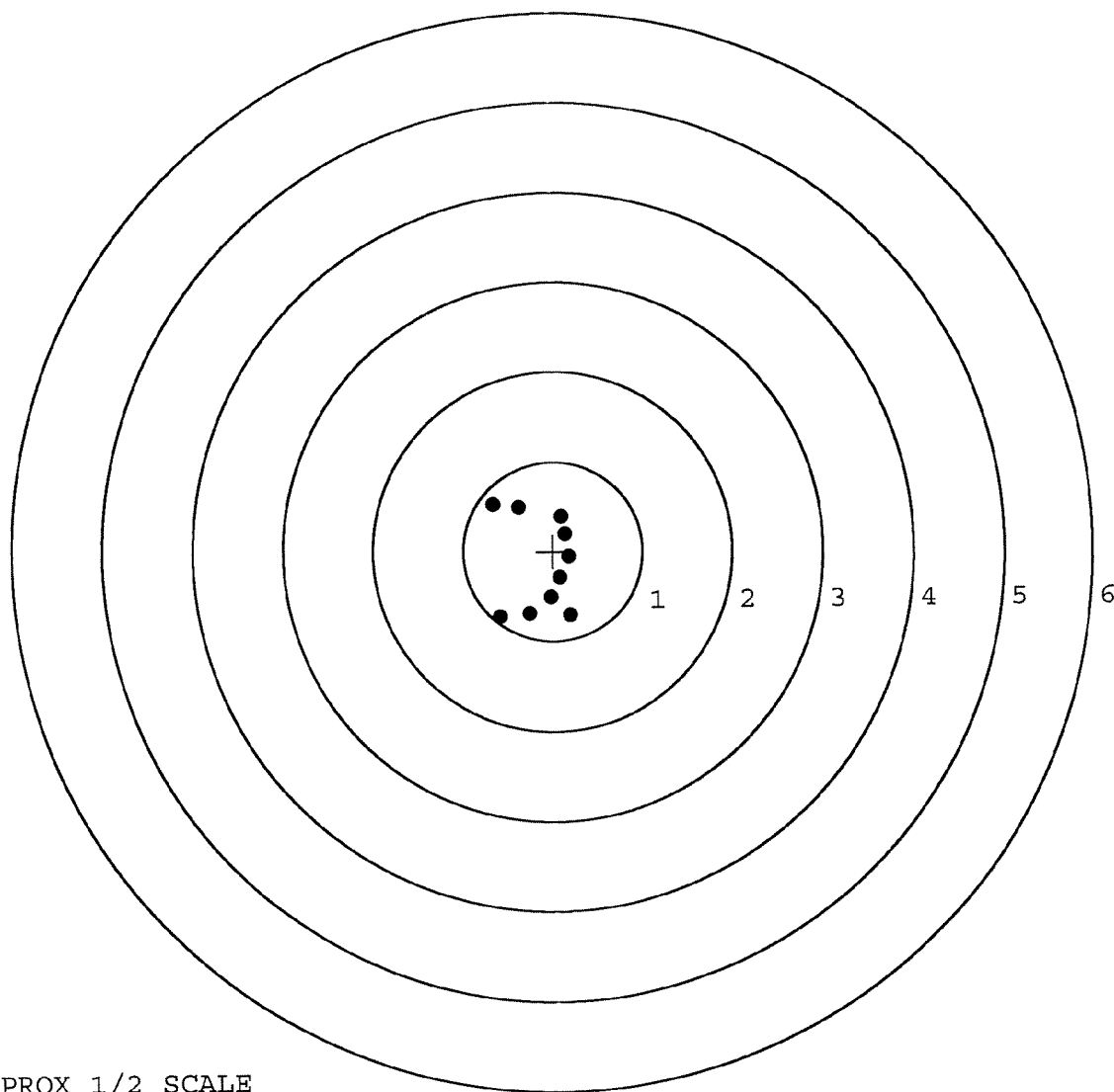


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498815. 0
TARGET NUMBER: 5
FILE DATE: 07/26/2007
FILE TIME: 07:18

X CENTROID: -0.127
Y CENTROID: -0.141
POA TO CENTROID: 0.190
HORZ SPREAD: 0.856
VERT SPREAD: 1.265
GROUP SPREAD: 1.516
MIN RADIUS: 0.260
MAX RADIUS: 0.862
MEAN RADIUS: 0.550
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.191	-0.719
2:	-0.029	-0.519
3:	-0.273	-0.696
4:	-0.595	-0.733
5:	0.079	-0.299
6:	0.174	-0.061
7:	0.137	0.198
8:	0.094	0.388
9:	-0.385	0.498
10:	-0.665	0.532



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		<u>00129840</u>	
SERIAL NUMBER		<u>C6498815</u>	
LOG-IN DATE		<u>8-30-07</u>	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-10-07	RTZ
505	RE-BARREL	7-13-07	RTZ
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	RTZ
612	MAGNAFLUX	7-17-07	umg
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	CW
625	FINAL ASSEMBLY	7-25-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	7-25-07 TRW
650	TARGET	(PASS) FAIL	7-25-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-25-07 Fm
	A) HEADSPACE	PASS FAIL	7-26-07 RA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.57 2.48 2.48 2.51 2.51 7/25/07 R.P.
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.6 6.0 5.8 7/25/07 RP
	G) SAFETY OFF FORCE	2 LBS MIN	4.0 3.8 3.8 7/25/07 RP
	I) FIRING PIN INDENT	.020	.024 .023 .023 7/25/07 RP
690	PACK		7-26-07 RA

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498815

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29 90	6 29 90	RW
600	Proof	6 29 90	6 29 90	RW
607	Check Headspace	6 29 90	6 29 90	RW
610	Dis-assemble Gun	6 29 90	6 29 90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	G.S.
617	Drill and Tap Sight Holes		7/13/90	LB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-11-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/9/90	JH
	G) Safety Off Force	3	3	3			8/9/90	JH
	H) Trigger Pull Test & Retainability						9-11-90	JH
	I) Firing Pin Indent	.023	.023	.023			8/9/90	JH
	J) Assemble Stock						8/10/90	RW
	K) Assemble Swivel Studs						9/12/90	JH
	L) Attach Front and Rear Sight Assemblies						8/10/90	RW
	M) Iron Sight Alignment						8/10/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/10/90	RW
	O) Attach Scope to Rifle						8/10/90	RW
	P) Detach & Attach Scope 20 Times						8/10/90	RW
640	Gallery Target & Test						8-11-90	DH
	A) Time						8-11-90	DH
	B) Malfunctions						8-11-90	DH
	C) Pierced Primers						8-11-90	DH
	D) Optical Clarity of Scope						8-11-90	DH
645	Inspect for Live Ammo						8-11-90	DH
655	Final Inspection							
	A) Headspace						9/12/90	JH
	B) Trigger Pull	2.30	2.26	2.41	2.50	2.36	9-11-90	JH
	C) Function						9/12/90	JH
660	Pack						9/19/90	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498815

DATE 9-11-90

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.40	2.48	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.46	2.44	2.26	
PULL #3	2.47	2.44	2.42	2.41	
PULL #4	2.50	2.41	2.41	2.50	
PULL #5	2.50	2.40	2.37	2.36	
TOTAL	12.43	12.11	12.12	11.83	
AVG.	2.486	2.422	2.424	2.366	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.11		
PULL #2	3.20	3.30		
PULL #3	3.22	3.37		
PULL #4	3.18	3.34		
PULL #5	3.16	3.36		
TOTAL	16.03	16.47		
AVG.	3.206	3.294		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.37		4.25
PULL #2	4.33	4.39		4.32
PULL #3	4.37	4.28		4.28
PULL #4	4.28	4.24		4.33
PULL #5	4.29	4.29		4.26
TOTAL	21.57	21.57		21.44
AVG.	4.314	4.314		4.288

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522232
14 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	1.71282
1 TO	2	.986347
1 TO	3	1.27176
1 TO	4	1.16535
1 TO	5	2.00492

5
+ 32 ⁴ 0----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .6846
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .186
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .709417
THE AMR FOR THIS RIFLE IS: 1.002

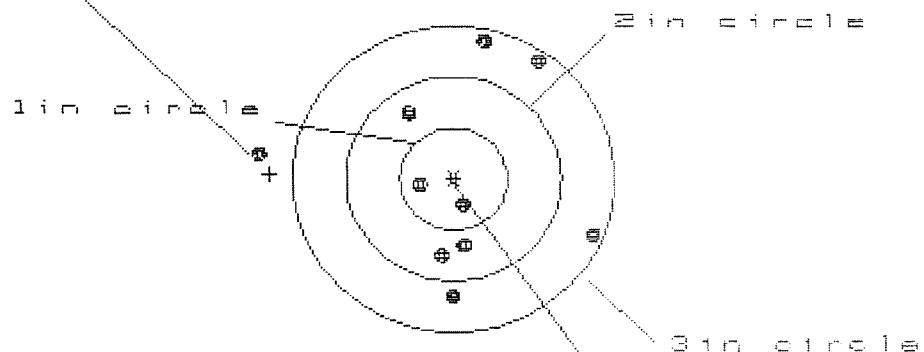
14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522232

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 3.120

VS= 2.492

GS= 3.213

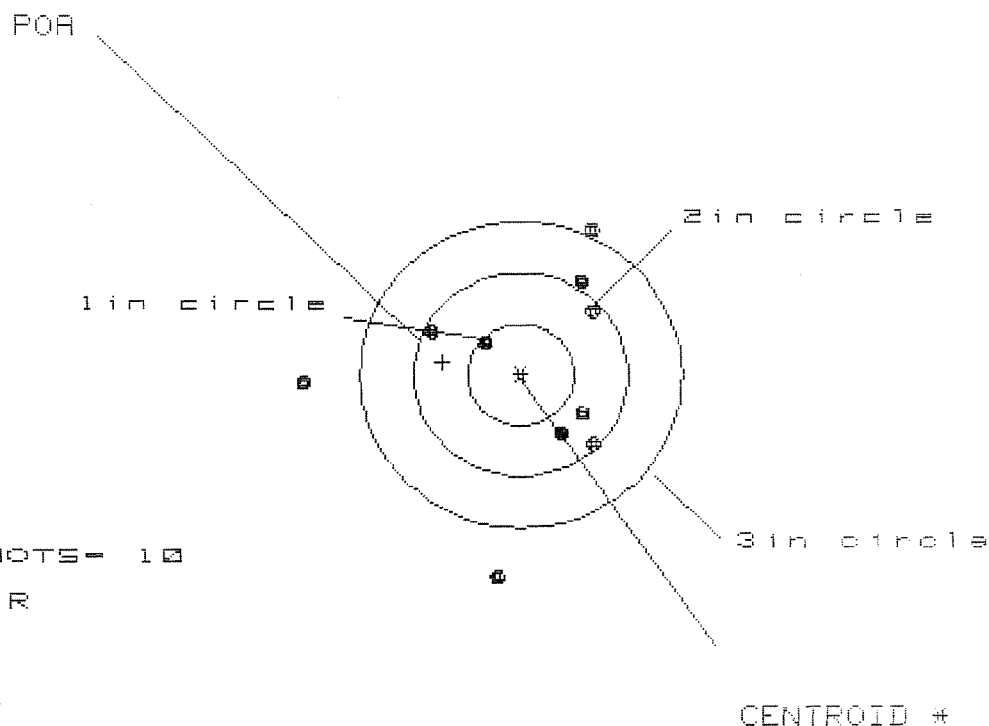
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.326	1.126	1.203
MINIMUM X	:	-1.794	-.580	-.503
MAXIMUM Y	:	1.344	1.373	1.524
MINIMUM Y	:	-1.148	-1.119	-.968
CENTROID X	:	1.712	1.912	1.835
CENTROID Y	:	-.053	-.082	-.233
POA TO CENTROID in.	:	1.713	1.913	1.850
MIN RADIUS	:	.276	.293	.126
MEAN RADIUS	:	.990	.906	.793
MAX RADIUS	:	1.813	1.376	1.533
HORIZONTAL SPREAD	:	3.120	1.706	1.706
VERTICAL SPREAD	:	2.492	2.492	2.492
EXTREME SPREAD	:	3.213	2.509	2.509
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522232

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 2.710

VS= 3.403

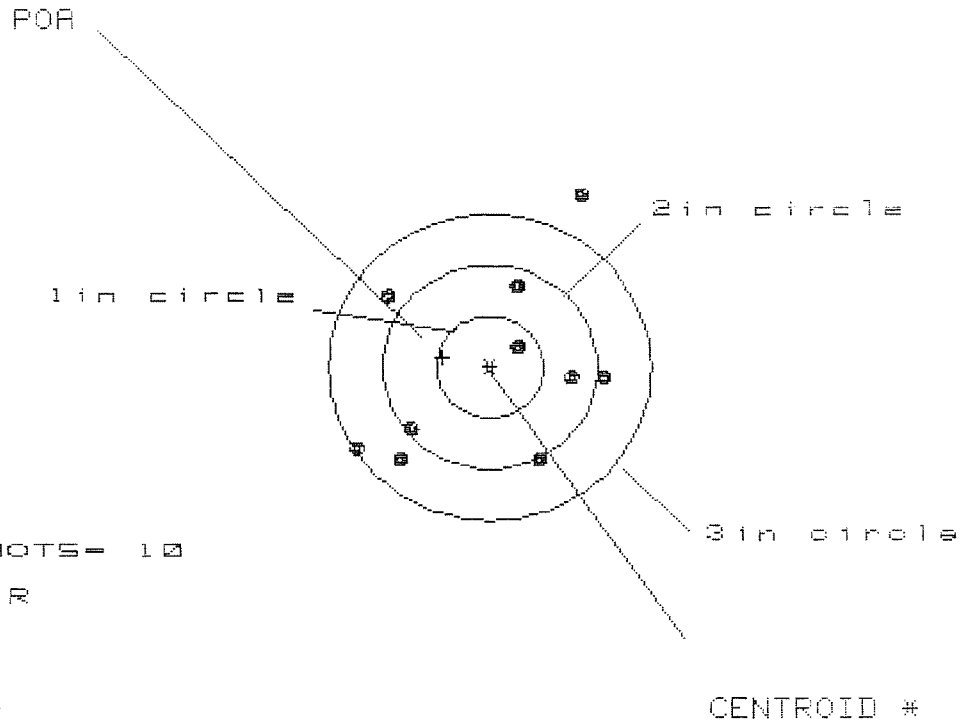
GS= 3.523

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.665	.438	.379
MINIMUM X	:	-2.045	-1.017	-1.076
MAXIMUM Y	:	1.450	1.442	1.197
MINIMUM Y	:	-1.953	-1.961	-.885
CENTROID X	:	.728	.955	1.014
CENTROID Y	:	-.121	-.113	.132
POA TO CENTROID in.	:	.738	.962	1.023
MIN RADIUS	:	.466	.523	.507
MEAN RADIUS	:	1.114	.978	.830
MAX RADIUS	:	2.046	2.017	1.255
HORIZONTAL SPREAD	:	2.710	1.455	1.455
VERTICAL SPREAD	:	3.403	3.403	2.082
EXTREME SPREAD	:	3.523	3.523	2.082
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522232

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.334

VS = 2.680

GS = 3.269

CENTROID #

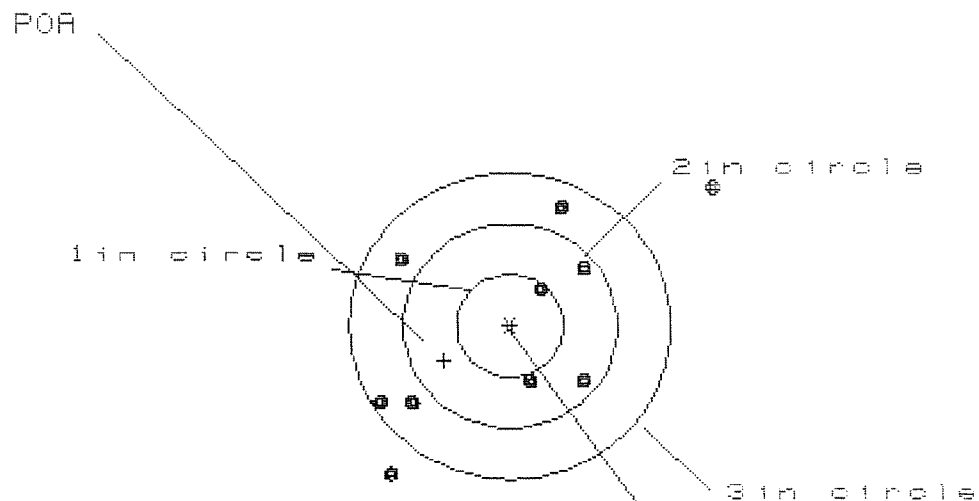
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.079	1.174	1.029
MINIMUM X	-1.255	-1.160	-.960
MAXIMUM Y	1.735	.968	.896
MINIMUM Y	-.945	-.752	-.824
CENTROID X	.441	.346	.491
CENTROID Y	-.097	-.290	-.218
POA TO CENTROID in.	.452	.452	.538
MIN RADIUS	.357	.559	.413
MEAN RADIUS	1.085	.989	.925
MAX RADIUS	1.934	1.293	1.262
HORIZONTAL SPREAD	2.334	2.334	1.988
VERTICAL SPREAD	2.680	1.720	1.720
EXTREME SPREAD	3.269	2.426	2.158
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6582232

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 3.0655

VS= 2.773

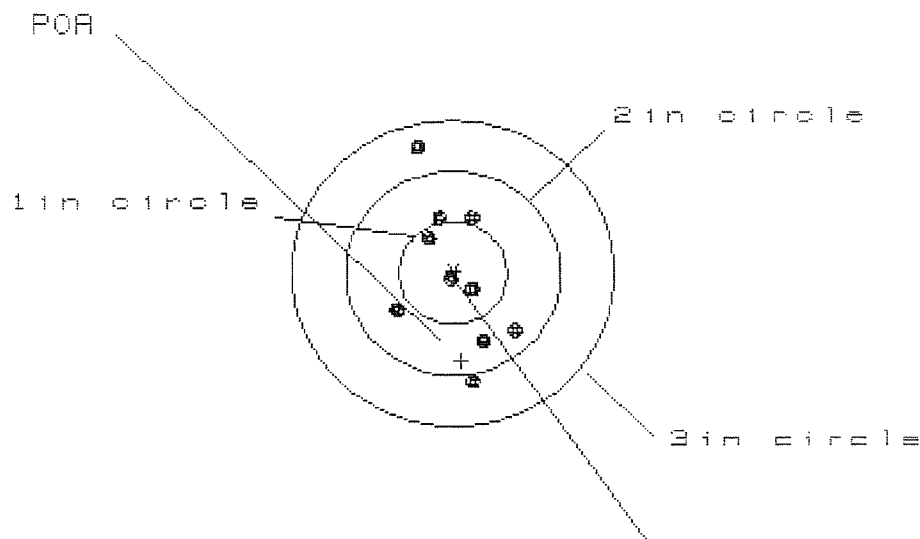
GS= 4.041

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.847	.936	.825
MINIMUM X	:	-1.218	-1.013	-1.124
MAXIMUM Y	:	1.315	1.272	1.108
MINIMUM Y	:	-1.458	-1.312	-.774
CENTROID X	:	.616	.411	.522
CENTROID Y	:	.343	.197	.361
POA TO CENTROID in.	:	.705	.456	.634
MIN RADIUS	:	.484	.582	.539
MEAN RADIUS	:	1.195	1.076	.992
MAX RADIUS	:	2.267	1.584	1.365
HORIZONTAL SPREAD	:	3.065	1.949	1.949
VERTICAL SPREAD	:	2.773	2.584	1.882
EXTREME SPREAD	:	4.041	3.006	2.510
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522232

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.075

VS= 2.297

GS= 2.358

CENTROID +

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.552	.512	.529
MINIMUM X	-.523	-.563	-.546
MAXIMUM Y	1.279	.704	.594
MINIMUM Y	-1.018	-.876	-.581
CENTROID X	-.074	-.034	-.051
CENTROID Y	.858	.716	.826
POA TO CENTROID in.	.862	.717	.828
MIN RADIUS	.075	.088	.056
MEAN RADIUS	.628	.536	.486
MAX RADIUS	1.328	.886	.713
HORIZONTAL SPREAD	1.075	1.075	1.075
VERTICAL SPREAD	2.297	1.580	1.175
EXTREME SPREAD	2.358	1.616	1.291
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	