

C6225575

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00112702** Serial: C6225575 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 5/23/2006 11:37:04 AM

Address Information

Customer: Received From Return To Received From

Name: DEPARTMENT OF THE ARMY DEPARTMENT OF THE ARMY

Address 1: A COMPANY 2ND BATTALION A COMPANY 2ND BATTALION

Address 2: 7TH SPECIAL FORCES GROUP PO Box: 7TH SPECIAL FORCES GROUP PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NA

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
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

magletj 5/23/2006 1:24 PM CAPS NEM INS SCRL

start 3 Micros... 2 Micros... 3 Intern... Part Search... Arms Servi... 1:24 PM

Serial Number: **C6225575**

Model: **M24 SWS**



RE00112702

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225575.___0
FILE DATE AND TIME: 06/06/2006 16:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.063
The Average Y Centroid of the Five Target Set:	0.007
The Average Point of Impact of the Five Target Set:	0.064
The Average Mean Radius of the Five Target Set:	0.852
The Distance from POA to Centroid Target #1:	0.277
The Distance from Centroid Target #2 to Centroid Target #1:	0.380
The Distance from Centroid Target #3 to Centroid Target #1:	0.442
The Distance from Centroid Target #4 to Centroid Target #1:	0.223
The Distance from Centroid Target #5 to Centroid Target #1:	0.608

SERIAL NUMBER: C6225575. 0

TARGET NUMBER: 1

FILE DATE: 06/06/2006

FILE TIME: 16:59

X CENTROID: 0.129

Y CENTROID: -0.245

POA TO CENTROID: 0.277

HORZ SPREAD: 2.218

VERT SPREAD: 2.647

GROUP SPREAD: 2.748

MIN RADIUS: 0.274

MAX RADIUS: 1.486

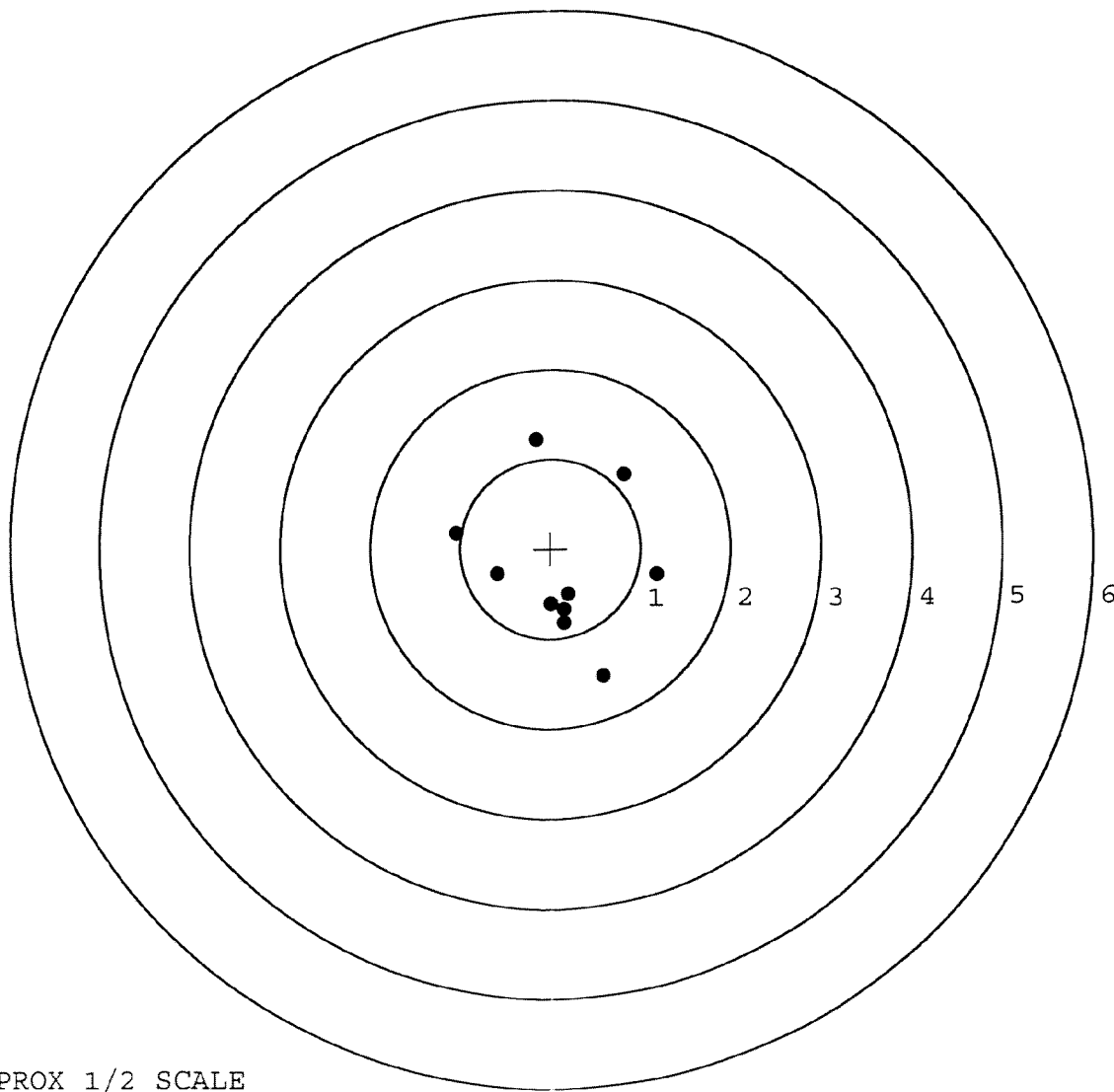
MEAN RADIUS: 0.873

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.156	1.214
2:	0.817	0.818
3:	1.174	-0.299
4:	0.582	-1.433
5:	0.153	-0.832
6:	0.194	-0.511
7:	0.005	-0.617
8:	-0.589	-0.282
9:	-1.044	0.178
10:	0.153	-0.684

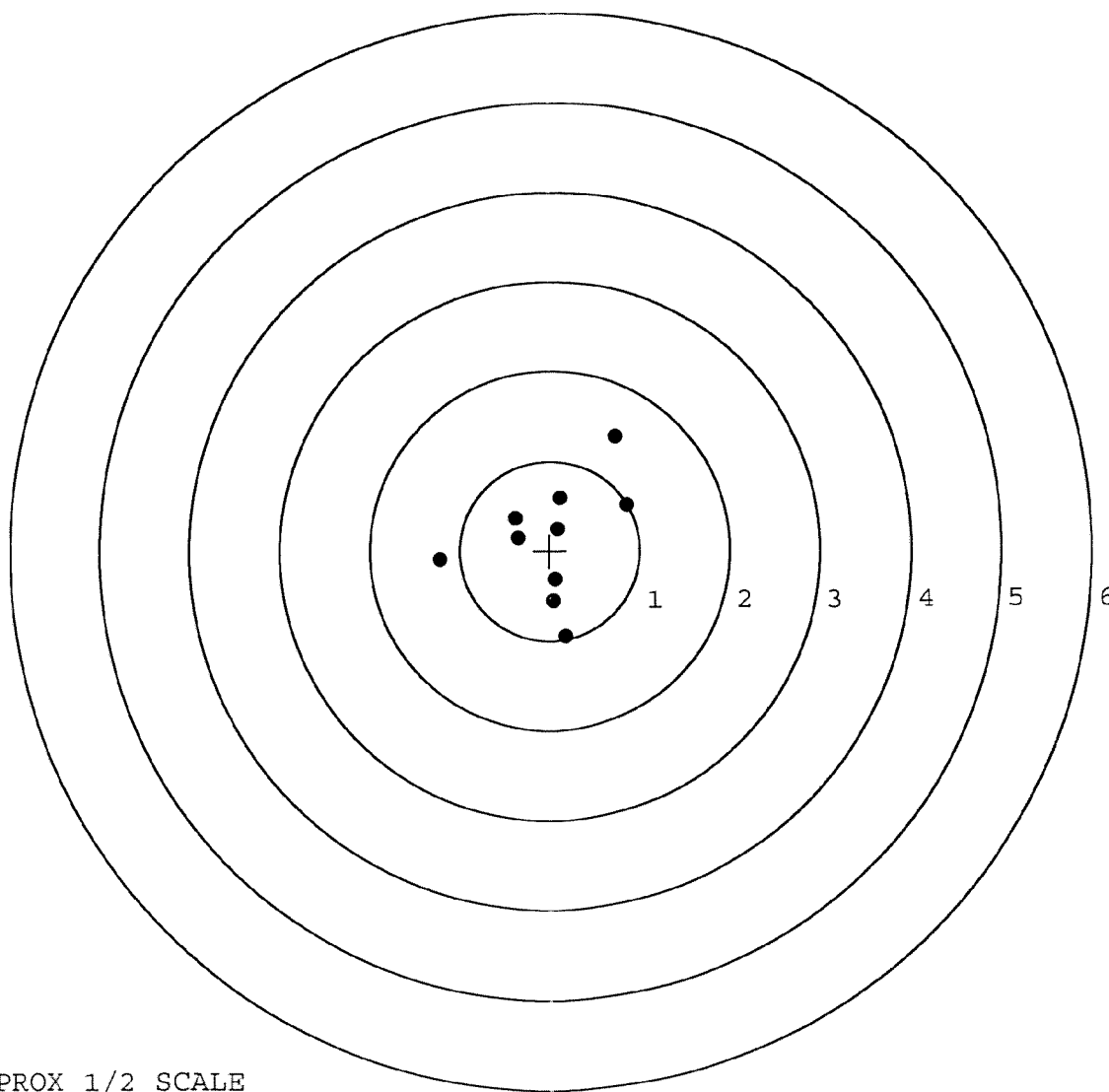


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225575. __0
TARGET NUMBER: 2
FILE DATE: 06/06/2006
FILE TIME: 16:59

X CENTROID: 0.012
Y CENTROID: 0.116
POA TO CENTROID: 0.117
HORZ SPREAD: 2.082
VERT SPREAD: 2.217
GROUP SPREAD: 2.375
MIN RADIUS: 0.149
MAX RADIUS: 1.350
MEAN RADIUS: 0.721
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.120	0.588
2:	0.093	0.242
3:	0.065	-0.325
4:	0.042	-0.563
5:	0.174	-0.956
6:	-0.353	0.143
7:	-0.384	0.363
8:	-1.222	-0.094
9:	0.729	1.261
10:	0.860	0.505

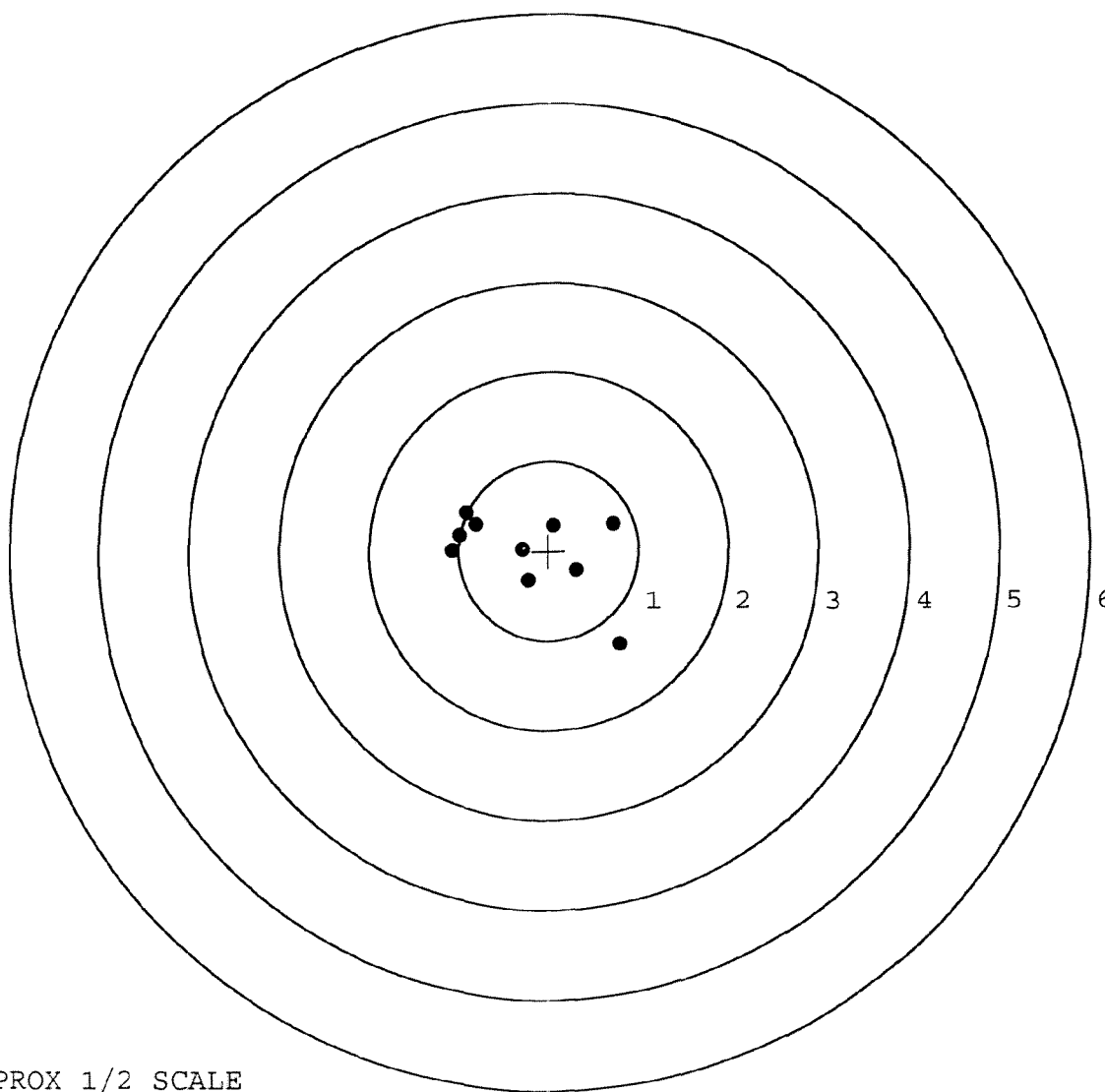


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225575. __0
TARGET NUMBER: 3
FILE DATE: 06/06/2006
FILE TIME: 16:59

X CENTROID: -0.246
Y CENTROID: -0.010
POA TO CENTROID: 0.246
HORZ SPREAD: 1.858
VERT SPREAD: 1.462
GROUP SPREAD: 2.248
MIN RADIUS: 0.055
MAX RADIUS: 1.459
MEAN RADIUS: 0.690
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.920	0.421
2:	-0.812	0.295
3:	-1.071	-0.002
4:	-0.231	-0.331
5:	-0.289	0.024
6:	0.052	0.283
7:	0.311	-0.217
8:	0.717	0.294
9:	0.787	-1.041
10:	-1.000	0.173



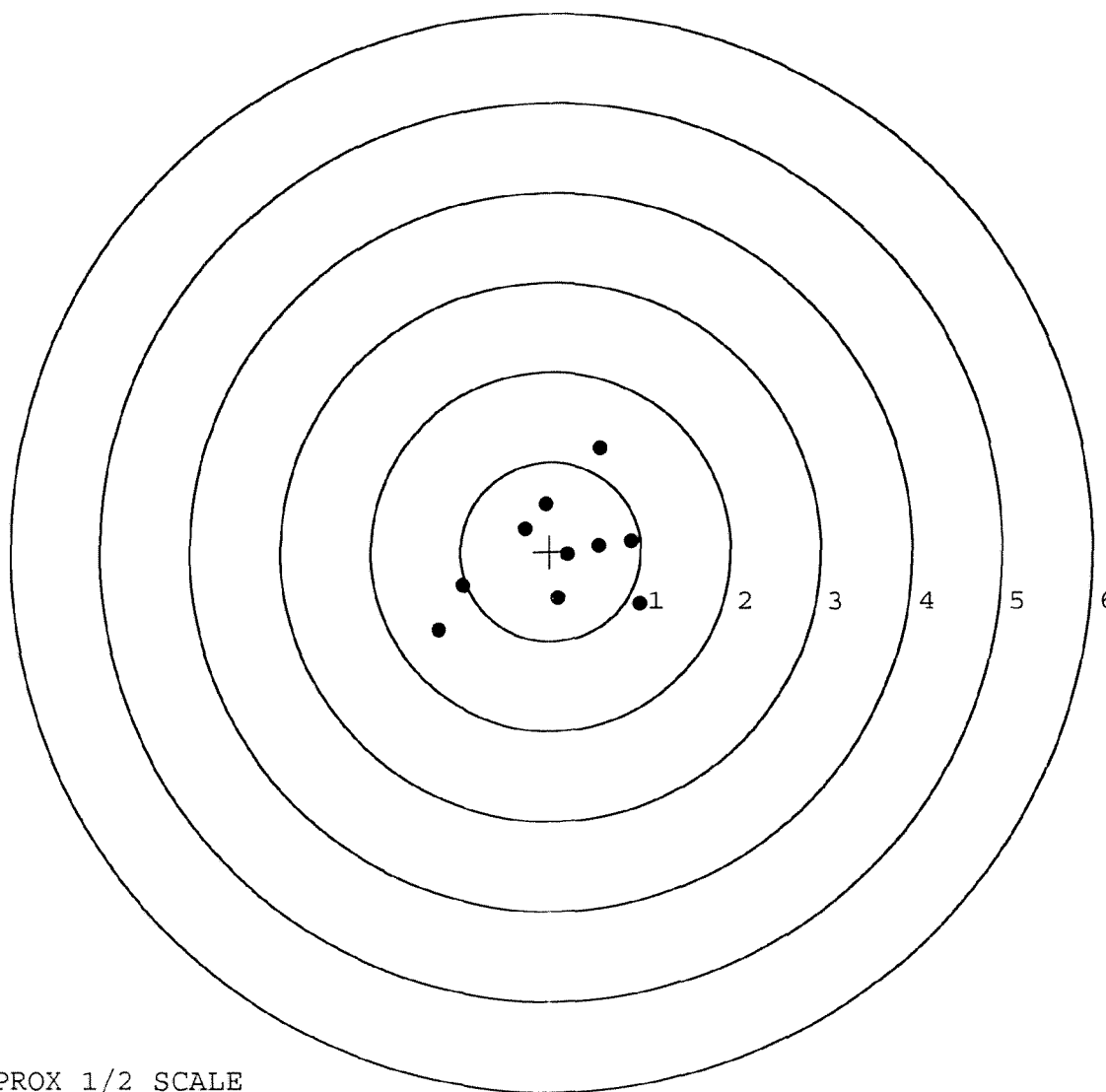
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225575. __0
TARGET NUMBER: 4
FILE DATE: 06/06/2006
FILE TIME: 16:59

X CENTROID: 0.071
Y CENTROID: -0.029
POA TO CENTROID: 0.077
HORZ SPREAD: 2.234
VERT SPREAD: 2.034
GROUP SPREAD: 2.712
MIN RADIUS: 0.125
MAX RADIUS: 1.565
MEAN RADIUS: 0.797

POINT#	X	Y
1:	0.553	1.152
2:	-0.049	0.533
3:	-0.285	0.254
4:	-0.967	-0.383
5:	-1.241	-0.882
6:	0.088	-0.526
7:	0.196	-0.039
8:	0.529	0.065
9:	0.893	0.120
10:	0.993	-0.587

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



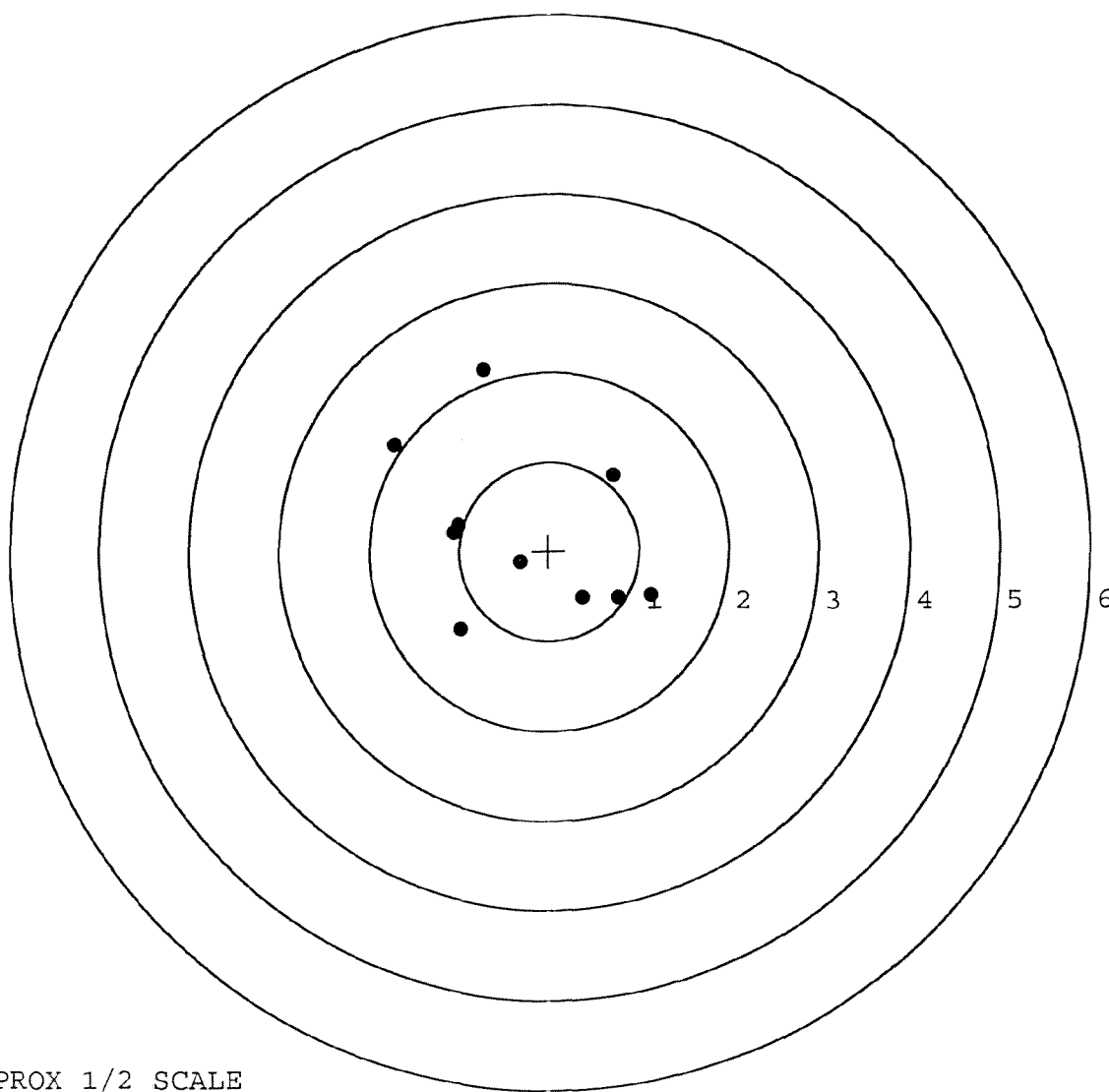
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225575. __0
TARGET NUMBER: 5
FILE DATE: 06/06/2006
FILE TIME: 16:59

X CENTROID: -0.283
Y CENTROID: 0.202
POA TO CENTROID: 0.348
HORZ SPREAD: 2.855
VERT SPREAD: 2.906
GROUP SPREAD: 3.132
MIN RADIUS: 0.328
MAX RADIUS: 1.878
MEAN RADIUS: 1.178

POINT#	X	Y
1:	-0.727	2.027
2:	-1.726	1.190
3:	-1.012	0.299
4:	0.715	0.852
5:	1.129	-0.496
6:	0.772	-0.526
7:	0.376	-0.520
8:	-0.314	-0.124
9:	-0.981	-0.879
10:	-1.061	0.202

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

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 5-5-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	252	250		259	
PULL #2	250	241		260	
PULL #3	236	261		240	
PULL #4	262	259		244	
PULL #5	263	256		254	
TOTAL	1263	1267		1257	
AVERAGE	252	253		251	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	302	321		
PULL #2	310	300		
PULL #3	288	313		
PULL #4	306	296		
PULL #5	292	317		
TOTAL	1498	1547		
AVERAGE	299	309		

	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	403	415		403
PULL #2	421	410		410
PULL #3	408	420		403
PULL #4	406	420		408
PULL #5	409	414		398
TOTAL	2047	2079		2022
AVERAGE	409	415		404

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

R & E NUMBER	112702				
SERIAL NUMBER	C6225575				
LOG-IN DATE	5-23-06				
OPERATION #	OPERATION NAME		DATE	INITIAL	
500	DIS-ASSEMBLE GUN		5-24-06	RTZ	
505	RE-BARREL		5-26-06	RTZ	
560	ASSEMBLE		5-30-06	RTZ	
600	PROOF	MAGNA-FLUX INSPECTED	5-30-06	TRW	
605	CHECK HEADSPACE	JUN 02 2006	5-30-06	TRW	
610	DIS-ASSEMBLE GUN	OPERATOR <u>APD</u>	6-1-06	RTZ	
612	MAGNAFLUX		6-2-06	APD	
510	DRILL AND TAP		6-1-06	TRW	
615	ROLLMARK CALIBER		6-2-06	CW	
618	ROTO-BLAST		6-2-06	LB	
620	APPLY COATINGS		6-5-06	TRW	
625	FINAL ASSEMBLY		6-6-06	RTZ	
640	FUNCTION TEST AND	PASS FAIL	6-6-06	MTN	
650	TARGET	PASS FAIL	6-6-06	MTN	
	MALFUNCTION CH	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION	6-7-06	R.P.	
670	FINAL INSPECTION		6-8-06		
	A) HEADSPACE	PASS FAIL	6-8-06		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.50 2.38 2.27 2.30 2.27 6-8-06	DA	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.2 7.2 7.2 6-8-06	DA	
	G) SAFETY OFF FORCE	2 LBS	3.2 3.5 3.5 6-8-06	DA	
	I) FIRING PIN INDENT	.020	.021 .022 .021 6-8-06	DA	
690	PACK		6-9-06	DA	

Remington
 MODEL 700TM H24

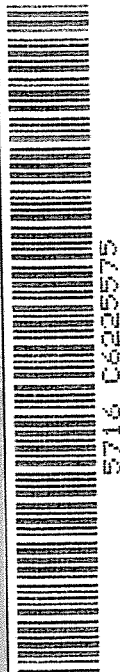
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

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

SERIAL NO.
 C6225575

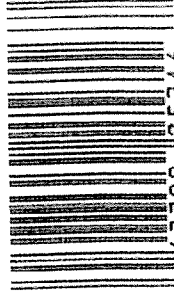
ORDER NO.
 5715

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



5715 C6225575

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225575

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9 88	12 9 88	RW
600	Proof	12 9 88	12 9 88	RW
607	Check Headspace	12 9 88	12 9 88	RW
610	Dis-assemble Gun	12 9 88	12 9 88	RW
612	Magnaflux Barrel Action		12 22 88	RW
	Magnaflux Bolt		1-3-89	RW
615	Rollmark Caliber		12/22/88	MJR
617	Drill and Tap Sight Holes	1	3 8 9	FB
618	Polish Barrel	12 2 88		WJT
620	Apply Coatings (Barrel Action)		1-16-89	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/9/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/9/89	RW
	C) Inspect Ejector Hole for Chamfer		2/9/89	RW
	D) Oil Firing Pin Ass'y		2/9/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/26/89	JS
	G) Safety Off Force	3	3	3			10/26/89	JS
	H) Trigger Pull Test & Retainability						9/26/89	JS
	I) Firing Pin Indent	.021	.021	.021			10/26/89	JS
	J) Assemble Stock						2/24/89	RW
	K) Assemble Swivel Studs						6 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						2/24/89	RW
	M) Iron Sight Alignment						2/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/24/89	RW
	O) Attach Scope to Rifle						24/26/89	JS
	P) Detach & Attach Scope 20 Times						24/26/89	JS
640	Gallery Target & Test	55 R	976				2/28/89	DH
	A) Time						2/28/89	DH
	B) Malfunctions						2/28/89	DH
	C) Pierced Primers						2/28/89	DH
	D) Optical Clarity of Scope						2/28/89	DH
645	Inspect for Live Ammo						2/28/89	DH
655	Final Inspection							
	A) Headspace						6 Mar 89	JS
	B) Trigger Pull	228	243	264	257	235	6 Mar 89	JS
	C) Function						6 Mar 89	JS
660	Pack						22 Mar 89	JS

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225575
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.395297
1 TO	2	.148189
1 TO	3	.332898
1 TO	4	.185456
1 TO	5	.20641

$\bar{x}^2$ <----POA

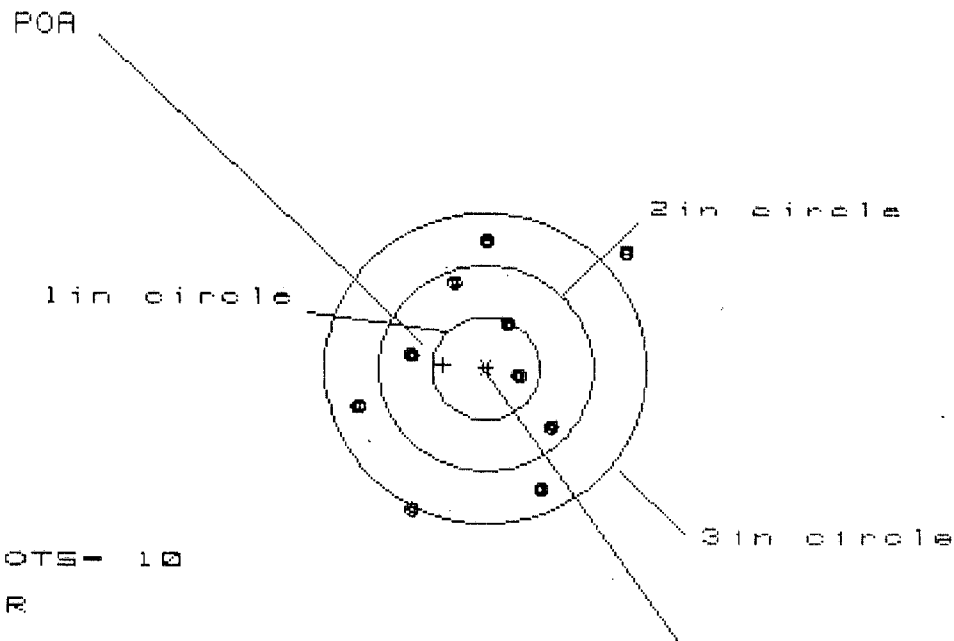
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4132
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.022
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .413785
THE AMR FOR THIS RIFLE IS: .9328

28 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225575

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS- 2.460

VS- 2.593

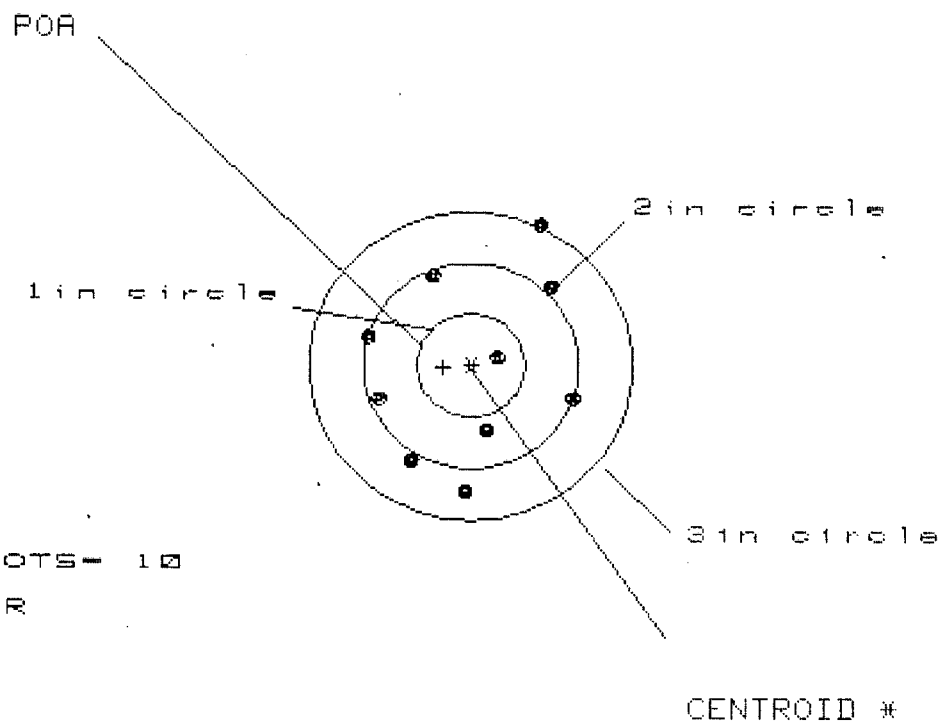
GS- 3.215

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.281	.710	.635
MINIMUM X	-1.179	-1.037	-1.111
MAXIMUM Y	1.196	1.318	1.159
MINIMUM Y	-1.397	-1.275	-1.240
CENTROID X	.394	.252	.327
CENTROID Y	-.032	-.155	.004
POA TO CENTROID in.	.396	.296	.327
MIN RADIUS	.346	.477	.421
MEAN RADIUS	1.025	.960	.873
MAX RADIUS	1.691	1.407	1.372
HORIZONTAL SPREAD	2.460	1.747	1.747
VERTICAL SPREAD	2.593	2.593	2.399
EXTREME SPREAD	3.215	2.692	2.458
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

28 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225575

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.878

VS= 2.800

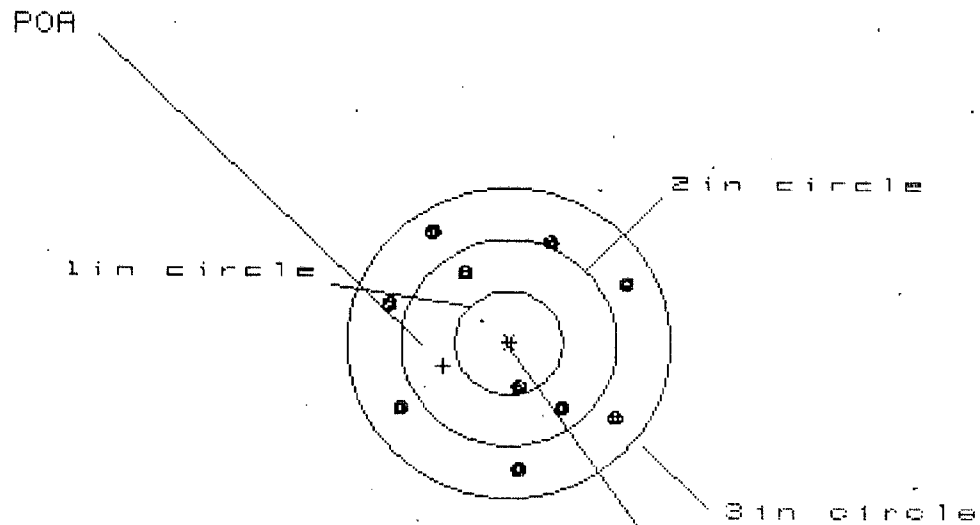
GS= 2.694

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.936	1.007	1.009
MINIMUM X	:	-.942	-.871	-.869
MAXIMUM Y	:	1.404	1.033	.903
MINIMUM Y	:	-1.196	-1.040	-.905
CENTROID X	:	.256	.185	.183
CENTROID Y	:	.022	-.134	-.004
POA TO CENTROID in.	:	.257	.228	.183
MIN RADIUS	:	.244	.375	.321
MEAN RADIUS	:	.963	.885	.862
MAX RADIUS	:	1.545	1.274	1.179
HORIZONTAL SPREAD	:	1.878	1.878	1.878
VERTICAL SPREAD	:	2.600	2.073	1.808
EXTREME SPREAD	:	2.694	2.175	2.175
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225575

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 10

10 = 2.255

VS = 2.252

GS = 2.500

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.131	1.053	1.039
MINIMUM X	-1.124	-1.202	-1.070
MAXIMUM Y	1.077	1.047	1.132
MINIMUM Y	-1.175	-1.055	-0.970
CENTROID X	.608	.686	.554
CENTROID Y	.223	.103	.018
POA TO CENTROID in.	.648	.694	.555
MIN RADIUS	.430	.302	.257
MEAN RADIUS	1.026	.977	.930
MAX RADIUS	1.285	1.291	1.222
HORIZONTAL SPREAD	2.255	2.255	2.109
VERTICAL SPREAD	2.252	2.102	2.102
EXTREME SPREAD	2.500	2.447	2.389
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

28 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225575

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.277

VS= 2.765

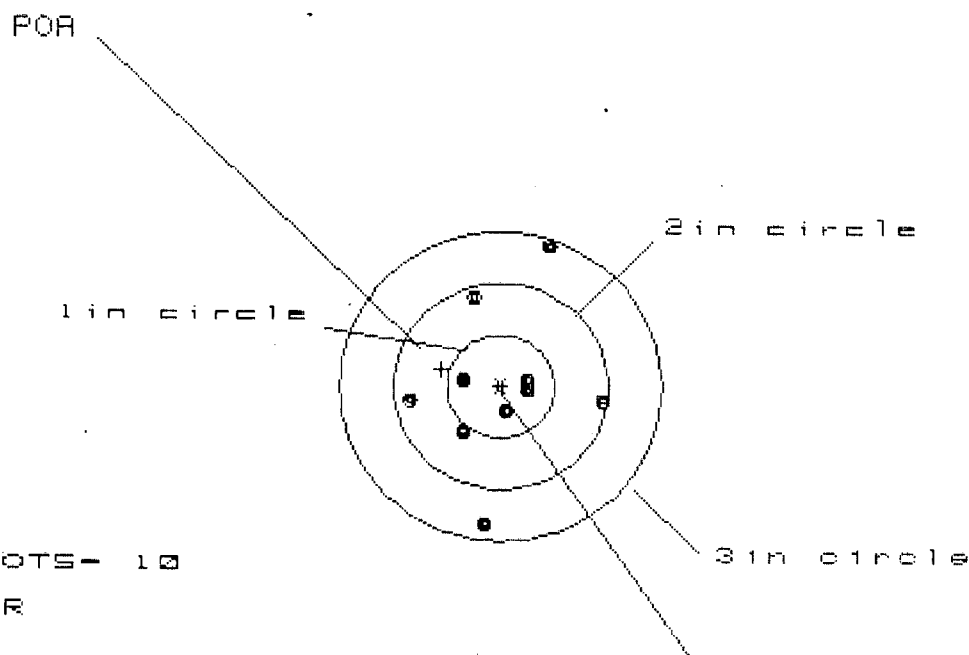
GS= 2.800

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.205	1.259	1.347
MINIMUM X	:	-1.072	-1.018	-.930
MAXIMUM Y	:	1.334	1.175	.890
MINIMUM Y	:	-1.431	-.693	-.546
CENTROID X	:	.257	.203	.115
CENTROID Y	:	-.157	.002	-.145
POA TO CENTROID in.	:	.301	.203	.185
MIN RADIUS	:	.156	.220	.051
MEAN RADIUS	:	.923	.862	.753
MAX RADIUS	:	1.513	1.437	1.453
HORIZONTAL SPREAD	:	2.277	2.277	2.277
VERTICAL SPREAD	:	2.765	1.868	1.436
EXTREME SPREAD	:	2.800	2.692	2.692
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225575

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.825

VS= 2.715

GS= 2.794

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.965	1.018	1.002
MINIMUM X	-.860	-.807	-.823
MAXIMUM Y	1.382	1.059	.912
MINIMUM Y	-1.333	-1.180	-.470
CENTROID X	.551	.498	.514
CENTROID Y	-.166	-.319	-.172
POA TO CENTROID in.	.575	.591	.542
MIN RADIUS	.220	.175	.256
MEAN RADIUS	.727	.637	.560
MAX RADIUS	1.462	1.187	1.015
HORIZONTAL SPREAD	1.825	1.825	1.825
VERTICAL SPREAD	2.715	2.239	1.382
EXTREME SPREAD	2.794	2.239	1.825
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#

3.00#+.75#

4.00#+1.00#

SERIAL NO. 5575

DATE 4-2-90

TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.54		2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.57		2.46	
PULL #3	2.48	2.58		2.46	
PULL #4	2.53	2.55		2.51	
PULL #5	2.58	2.34		2.43	
TOTAL	12.56	12.58		12.33	
AVG.	2.512	2.516		2.466	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.47		
PULL #2	3.40	3.41		
PULL #3	3.36	3.42		
PULL #4	3.40	3.46		
PULL #5	3.40	3.46		
TOTAL	17.02	17.22		
AVG.	3.404	3.444		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.34		
PULL #2	4.30	4.30		
PULL #3	4.31	4.31		
PULL #4	4.34	4.37		
PULL #5	4.30	4.39		
TOTAL	21.61	21.71		
AVG.	4.322	4.342		