

C6225516

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Sweet's

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: **RE00092198** Serial: C6225516 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/21/1988 Repairman: Status: Closed 2/1/2005 7:09:03 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

neglet 2/7/2005 11:05 AM CAPS NUM INS SCPL

start 3 3

Serial Number: **C6225516**

Model: **M24 SWS**



RE00092198

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225516.___0
FILE DATE AND TIME: 08/09/2005 10:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.008
The Average Y Centroid of the Five Target Set:	0.041
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	0.826
The Distance from POA to Centroid Target #1:	0.383
The Distance from Centroid Target #2 to Centroid Target #1:	0.438
The Distance from Centroid Target #3 to Centroid Target #1:	0.407
The Distance from Centroid Target #4 to Centroid Target #1:	0.546
The Distance from Centroid Target #5 to Centroid Target #1:	0.656

SERIAL NUMBER: C6225516.___0

TARGET NUMBER: 1

FILE DATE: 08/09/2005

FILE TIME: 10:41

X CENTROID: 0.382

Y CENTROID: 0.018

POA TO CENTROID: 0.383

HORZ SPREAD: 2.879

VERT SPREAD: 3.354

GROUP SPREAD: 3.355

MIN RADIUS: 0.500

MAX RADIUS: 1.914

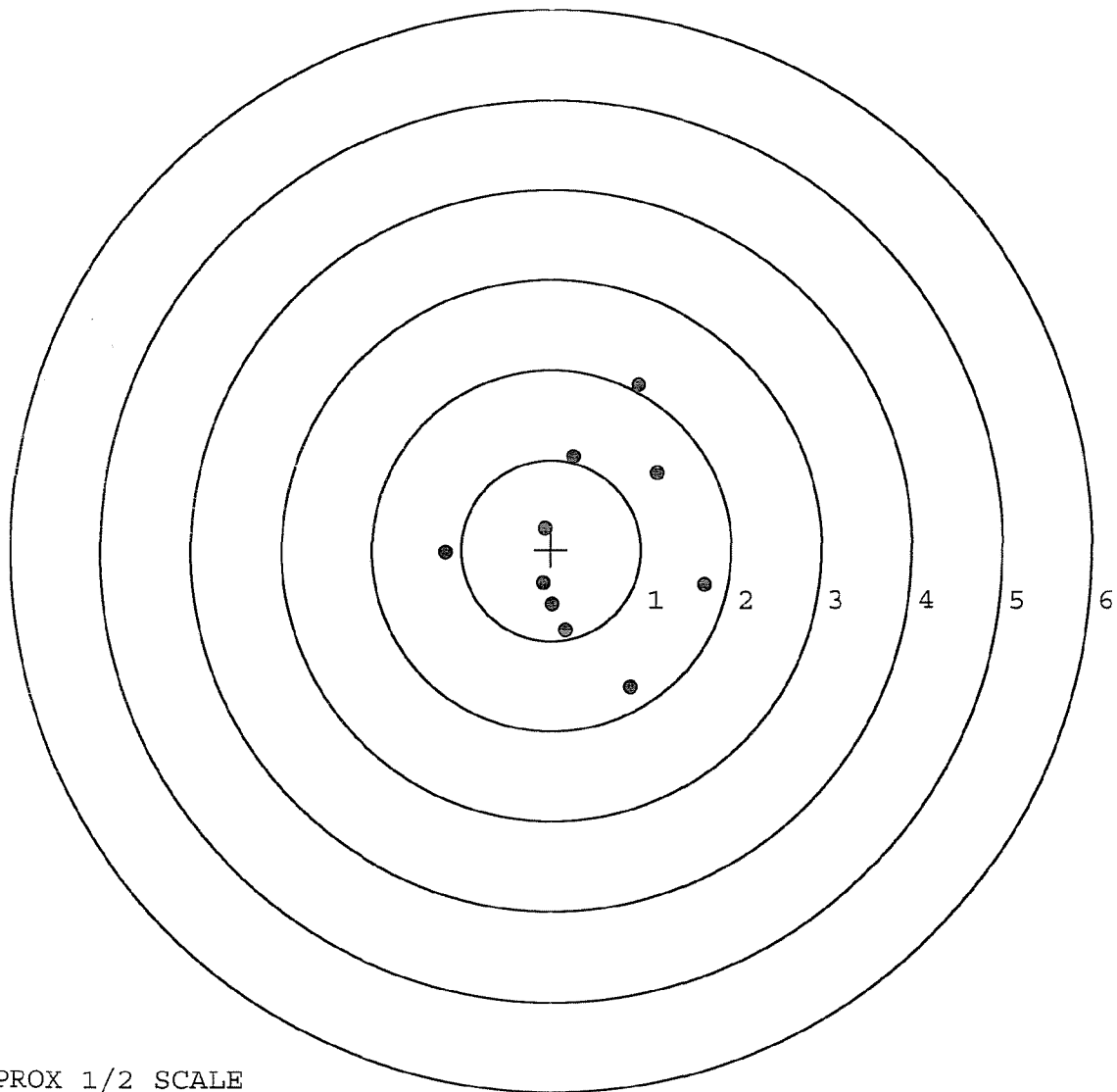
MEAN RADIUS: 1.141

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.882	-1.515
2:	1.702	-0.380
3:	1.177	0.858
4:	0.970	1.839
5:	0.249	1.035
6:	-0.068	0.235
7:	-0.087	-0.372
8:	0.161	-0.887
9:	0.015	-0.600
10:	-1.177	-0.034

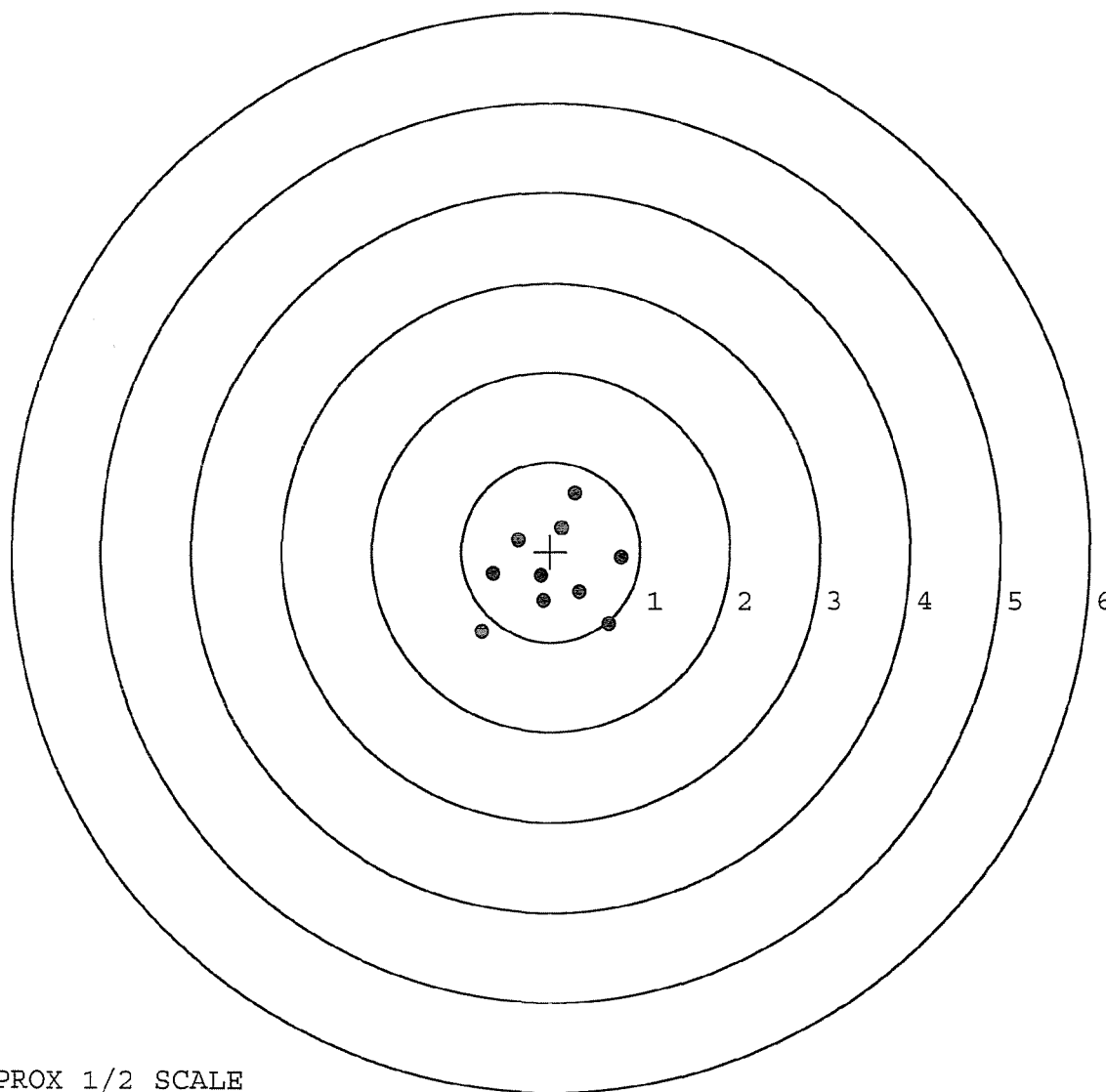


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225516. 0
TARGET NUMBER: 2
FILE DATE: 08/09/2005
FILE TIME: 10:41

X CENTROID: 0.018
Y CENTROID: -0.226
POA TO CENTROID: 0.227
HORZ SPREAD: 1.560
VERT SPREAD: 1.549
GROUP SPREAD: 1.866
MIN RADIUS: 0.138
MAX RADIUS: 1.034
MEAN RADIUS: 0.613
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.652	-0.803
2:	0.792	-0.072
3:	0.322	-0.453
4:	-0.085	-0.548
5:	-0.113	-0.270
6:	-0.768	-0.898
7:	-0.642	-0.255
8:	-0.369	0.124
9:	0.122	0.261
10:	0.272	0.651



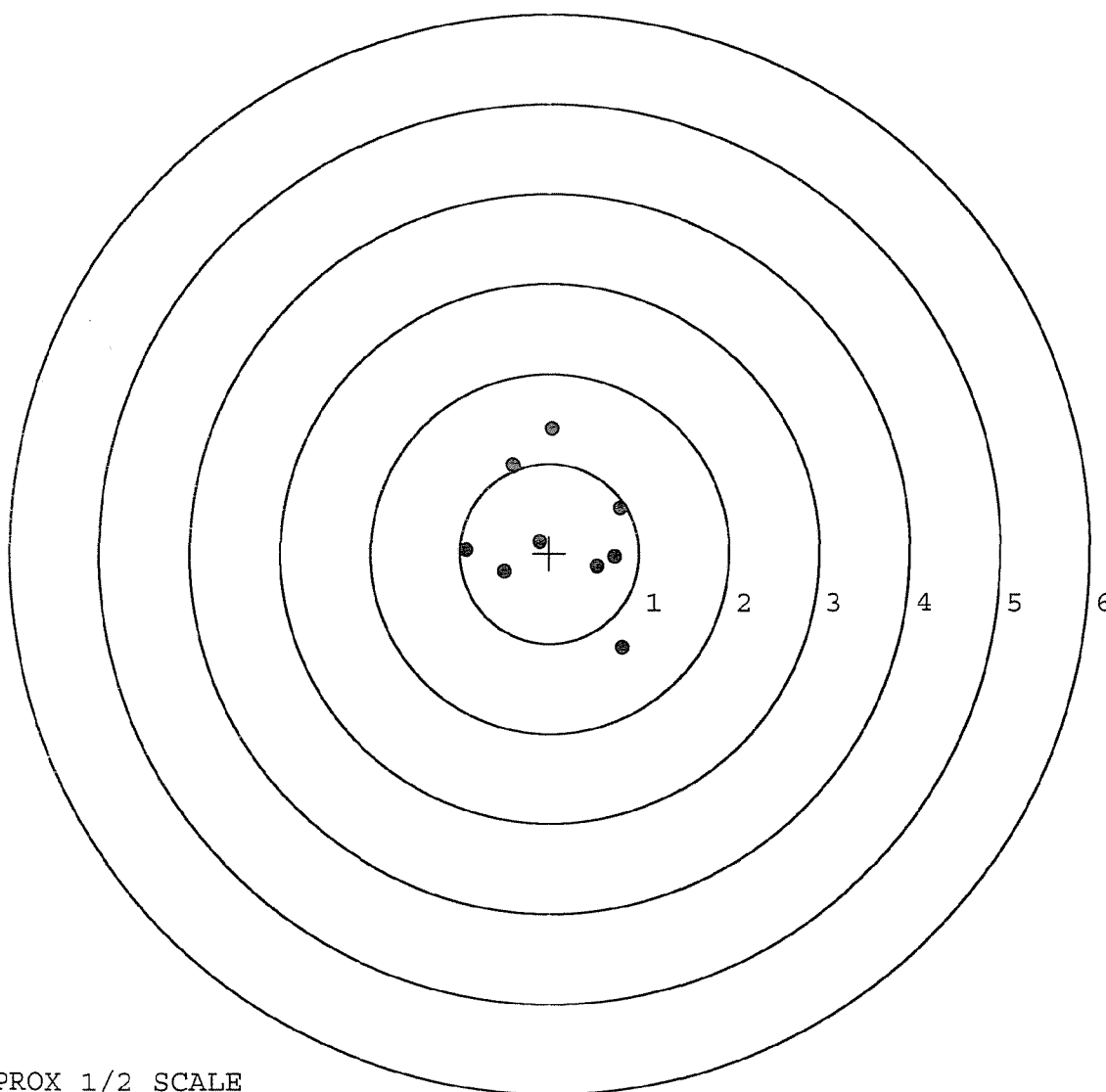
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225516. __0
TARGET NUMBER: 3
FILE DATE: 08/09/2005
FILE TIME: 10:41

X CENTROID: 0.052
Y CENTROID: 0.256
POA TO CENTROID: 0.261
HORZ SPREAD: 1.745
VERT SPREAD: 2.439
GROUP SPREAD: 2.561
MIN RADIUS: 0.212
MAX RADIUS: 1.509
MEAN RADIUS: 0.844

POINT#	X	Y
1:	0.813	-1.047
2:	0.531	-0.148
3:	0.728	-0.046
4:	0.787	0.504
5:	-0.120	0.132
6:	-0.402	0.967
7:	-0.410	0.982
8:	0.032	1.392
9:	-0.503	-0.210
10:	-0.932	0.035

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

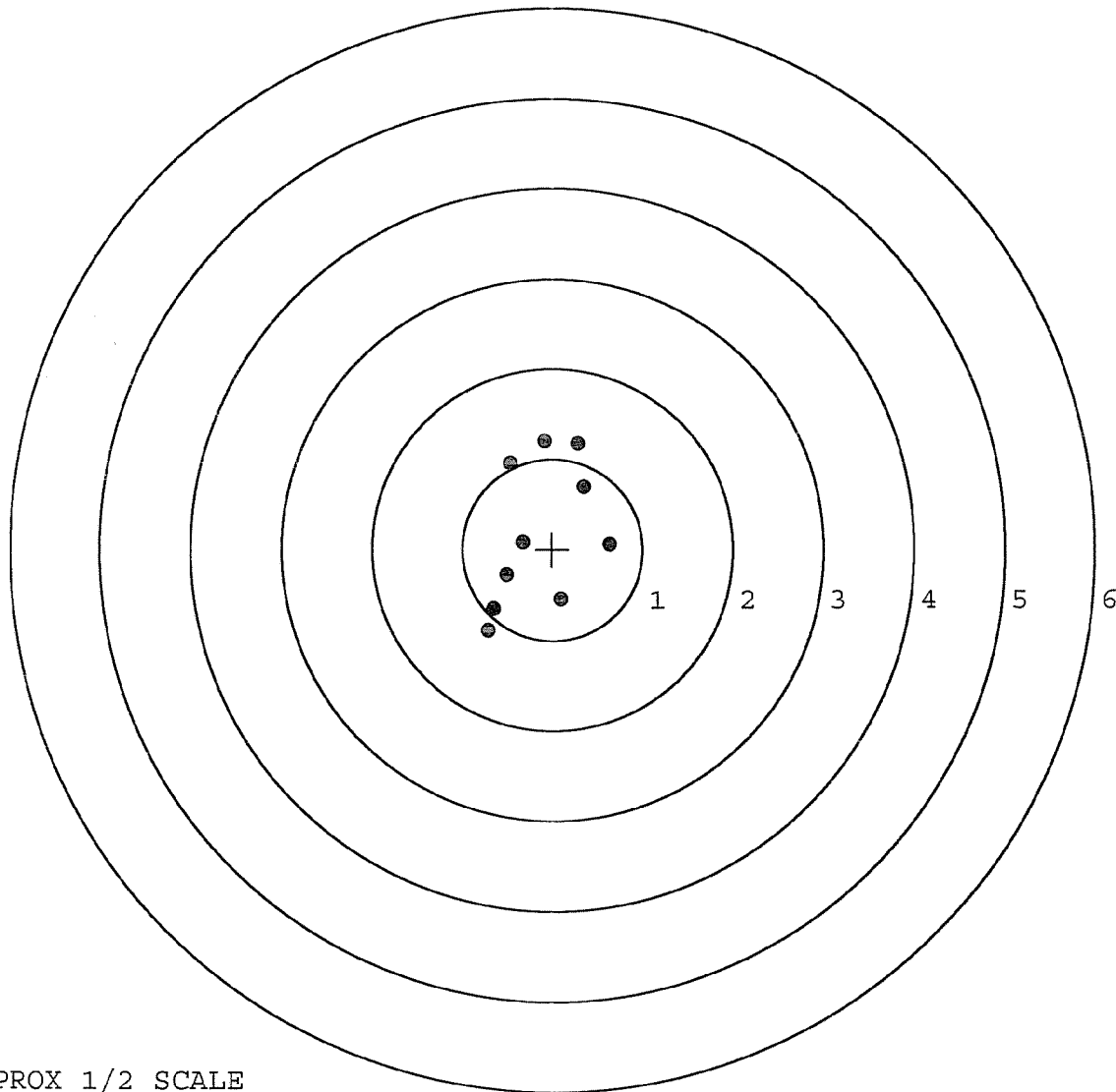


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225516. __0
TARGET NUMBER: 4
FILE DATE: 08/09/2005
FILE TIME: 10:41

X CENTROID: -0.141
Y CENTROID: 0.176
POA TO CENTROID: 0.225
HORZ SPREAD: 1.355
VERT SPREAD: 2.091
GROUP SPREAD: 2.294
MIN RADIUS: 0.210
MAX RADIUS: 1.215
MEAN RADIUS: 0.820
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.717	-0.894
2:	-0.658	-0.659
3:	-0.511	-0.281
4:	-0.327	0.078
5:	0.098	-0.551
6:	0.638	0.058
7:	0.348	0.689
8:	0.281	1.172
9:	-0.090	1.197
10:	-0.470	0.947



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225516.___0

TARGET NUMBER: 5

FILE DATE: 08/09/2005

FILE TIME: 10:41

X CENTROID: -0.272

Y CENTROID: -0.019

POA TO CENTROID: 0.273

HORZ SPREAD: 1.713

VERT SPREAD: 2.144

GROUP SPREAD: 2.744

MIN RADIUS: 0.352

MAX RADIUS: 1.622

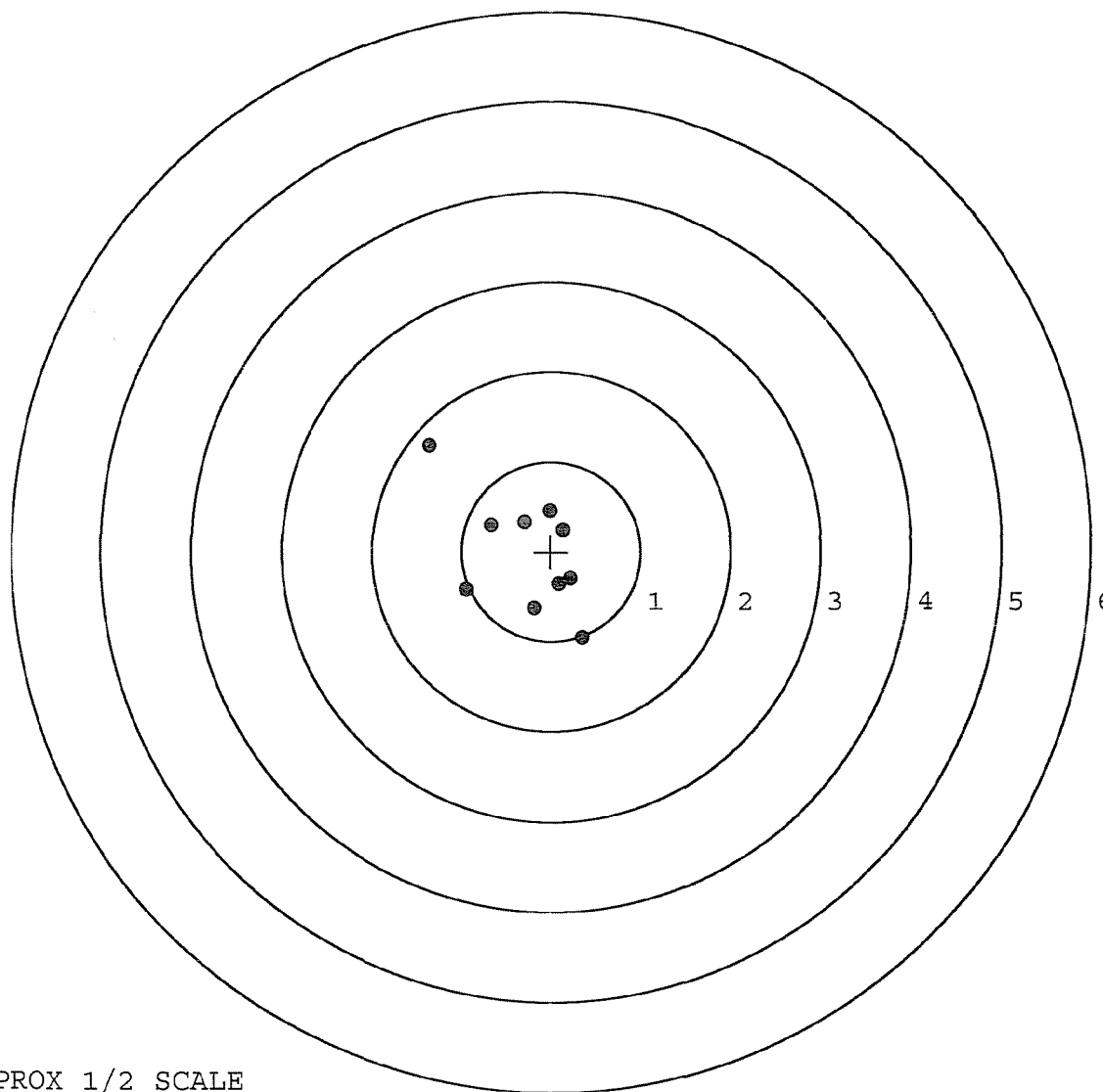
MEAN RADIUS: 0.712

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.348	-0.965
2:	-0.190	-0.638
3:	0.087	-0.365
4:	0.214	-0.302
5:	-0.948	-0.430
6:	-0.676	0.296
7:	0.132	0.245
8:	-0.018	0.459
9:	-0.306	0.331
10:	-1.365	1.179



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R. & E NUMBER	92198		
SERIAL NUMBER	C6225516		
LOG-IN DATE	2-1-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-13-05	RTL
560 A	RE-BARREL	6-20-05	RTL
B	DRILL AND TAP	6-22-05	TRW
575	ASSEMBLE	6-20-05	RTL
600	PROOF	6-22-05	AC
605	CHECK HEADSPACE	6-22-05	AC
610	DIS-ASSEMBLE GUN	6-22-05	RTL
612	MAGNAFLUX	6/23/05	und
615	ROLLMARK CALIBER	6-23-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-18-05	WJ
625 A	FINAL ASSEMBLY	8-2-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-15-05	AC
D	SAFETY "OFF" FORCE	8-15-05	AC
E	FIRING PIN INDENT	8-15-05	AC
640	TARGET	8-9-05	TRW
655	FINAL INSPECT	8-15-05	AC
660	PACK	9-14-05	10A
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225516

ORDER NO.
5716

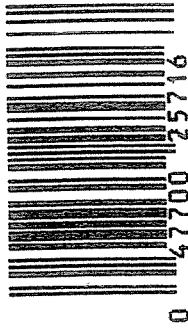
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225516

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225516

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS
617	Drill and Tap Sight Holes	4 14	89	JP
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/20/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/3/89	JL
	G) Safety Off Force	3	3	3			5/3/89	JL
	H) Trigger Pull Test & Retainability						5/3/89	WAB
	I) Firing Pin Indent	.020	.020	.020			5/3/89	JL
	J) Assemble Stock						5/4/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/4/89	RW
	M) Iron Sight Alignment						5/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/89	RW
	O) Attach Scope to Rifle						5/4/89	JL
	P) Detach & Attach Scope 20 Times						5/4/89	JL
640	Gallery Target & Test	63R	86L				5/4/89	DH
	A) Time						5/4/89	DH
	B) Malfunctions						5/4/89	DH
	C) Pierced Primers						5/4/89	DH
	D) Optical Clarity of Scope						5/4/89	DH
645	Inspect for Live Ammo						5/4/89	DH
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.60	2.60	2.75	2.62	2.75	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						21 June 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 5516
~~C 6275139~~

DATE 5/3/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.26	2.09	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.15	2.06	2.56	
PULL #3	2.37	2.25	2.20	2.42	
PULL #4	2.38	2.37	2.12	2.25	
PULL #5	2.12	2.37	2.14	2.52	
TOTAL	11.58	11.40	10.61	12.28	
AVG.	2.31	2.28	2.12	2.456	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.18		
PULL #2	3.29	3.14		
PULL #3	3.27	3.14		
PULL #4	3.30	3.13		
PULL #5	3.29	3.08		
TOTAL	16.39	15.67		
AVG.	3.28	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	3.97		4.27
PULL #2	4.06	3.85		4.18
PULL #3	3.99	3.83		4.14
PULL #4	4.01	3.95		4.17
PULL #5	4.04	3.93		4.12
TOTAL	20.22	19.53		20.88
AVG.	4.04	3.91		4.17

62-8
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225516
4 May 1989

CENTROIDAL DISTANCES

0 TO	1	.360544
1 TO	2	.216123
1 TO	3	.237794
1 TO	4	1.02525
1 TO	5	.0342345

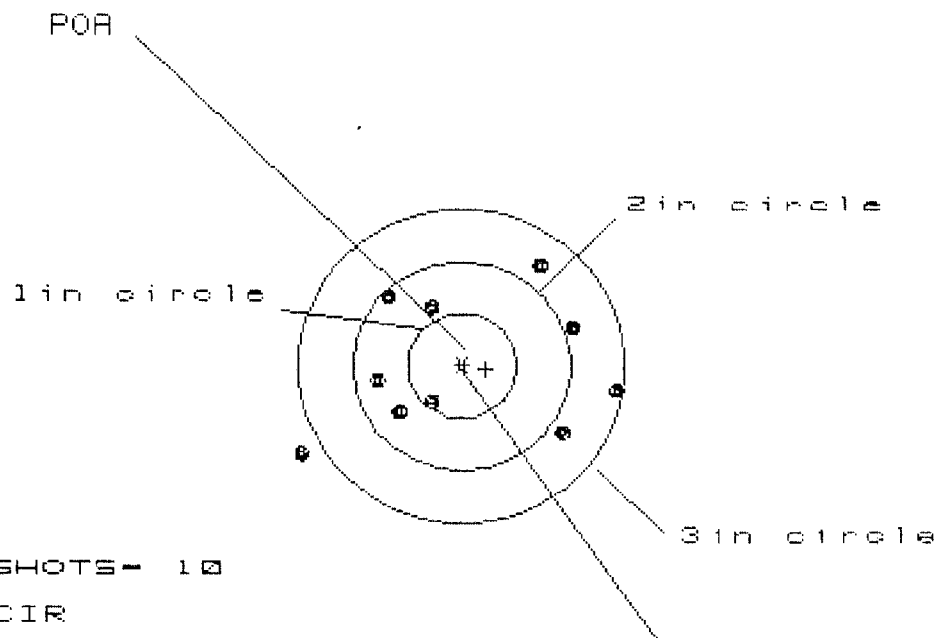
2+ 4 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1478
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .179126
THE AMR FOR THIS RIFLE IS: .8414

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225516

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.899

VS= 1.811

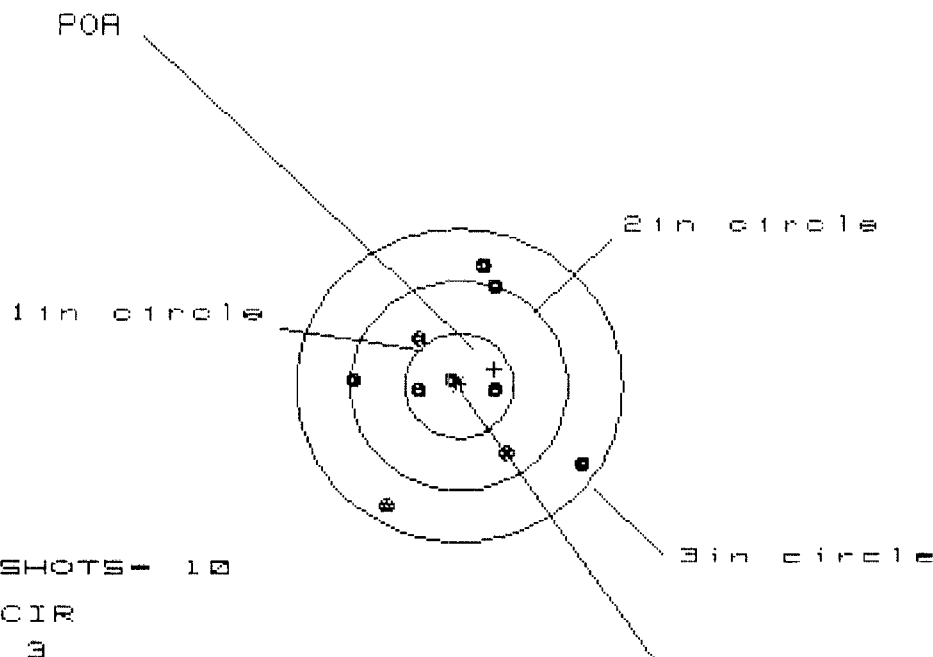
GS= 2.967

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.391	1.224	1.050
MINIMUM X	:	-1.508	-.935	-.782
MAXIMUM Y	:	.967	.873	.835
MINIMUM Y	:	-.844	-.686	-.724
CENTROID X	:	-.223	-.056	-.209
CENTROID Y	:	.036	.130	.168
POA TO CENTROID in.	:	.226	.141	.268
MIN RADIUS	:	.444	.625	.544
MEAN RADIUS	:	1.002	.928	.858
MAX RADIUS	:	1.728	1.261	1.132
HORIZONTAL SPREAD	:	2.899	2.159	1.832
VERTICAL SPREAD	:	1.811	1.559	1.559
EXTREME SPREAD	:	2.967	2.189	1.945
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225516

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.081

VS= 2.276

GS= 2.443

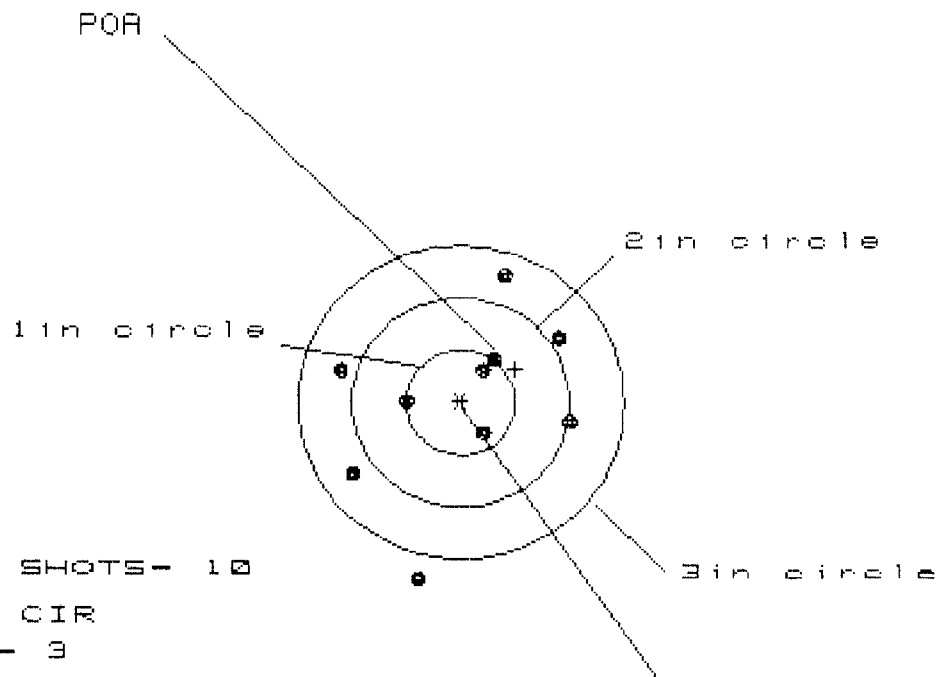
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.096	.562	.498
MINIMUM X	:	-.985	-.864	-.928
MAXIMUM Y	:	1.171	1.094	.946
MINIMUM Y	:	-1.105	-1.182	-.874
CENTROID X	:	-.326	-.447	-.383
CENTROID Y	:	-.154	-.077	.071
POA TO CENTROID in.	:	.360	.454	.390
MIN RADIUS	:	.044	.101	.205
MEAN RADIUS	:	.793	.729	.666
MAX RADIUS	:	1.300	1.289	1.006
HORIZONTAL SPREAD	:	2.081	1.426	1.426
VERTICAL SPREAD	:	2.276	2.276	1.820
EXTREME SPREAD	:	2.443	2.443	1.830
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225516

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 2.063

VS= 2.901

GS= 3.000

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.959	.999
MINIMUM X	:	-1.059	-1.104	-1.064
MAXIMUM Y	:	1.173	.981	.550
MINIMUM Y	:	-1.728	-.833	-.710
CENTROID X	:	-.501	-.456	-.496
CENTROID Y	:	-.315	-.123	-.246
POA TO CENTROID in.	:	.592	.472	.553
MIN RADIUS	:	.323	.218	.314
MEAN RADIUS	:	.913	.787	.760
MAX RADIUS	:	1.775	1.364	1.260
HORIZONTAL SPREAD	:	2.063	2.063	2.063
VERTICAL SPREAD	:	2.901	1.814	1.260
EXTREME SPREAD	:	3.000	2.290	2.290
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			9	

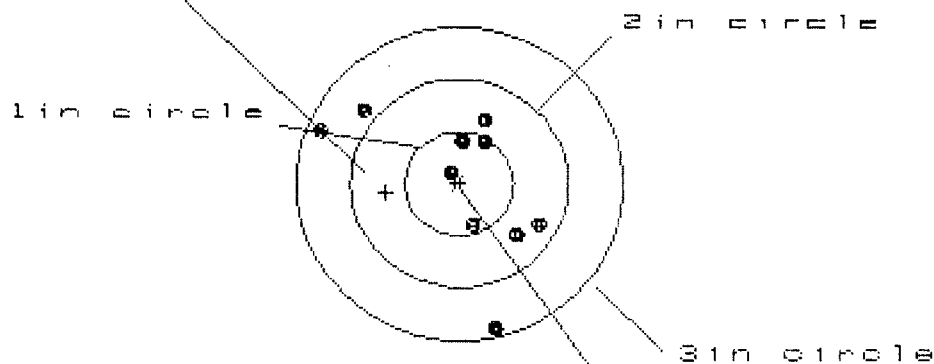
4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225516

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.027

VS= 2.113

GS= 2.462

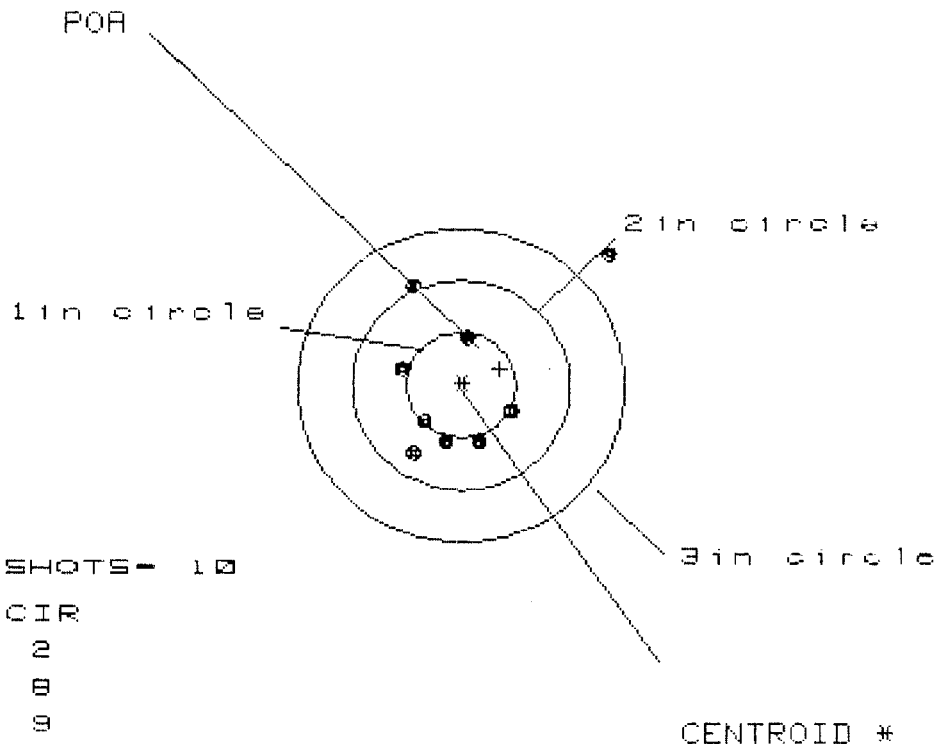
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.761	.800	.646
MINIMUM X	:	-1.266	-1.227	-.990
MAXIMUM Y	:	.724	.569	.608
MINIMUM Y	:	-1.389	-.627	-.588
CENTROID X	:	.671	.632	.786
CENTROID Y	:	.085	.239	.200
POA TO CENTROID in.	:	.676	.676	.811
MIN RADIUS	:	.118	.092	.207
MEAN RADIUS	:	.749	.652	.563
MAX RADIUS	:	1.433	1.267	1.162
HORIZONTAL SPREAD	:	2.027	2.027	1.636
VERTICAL SPREAD	:	2.113	1.196	1.196
EXTREME SPREAD	:	2.462	2.202	1.980
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225516

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.989

VS= 1.861

GS= 2.655

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.409	.658	.619
MINIMUM X	-.581	-.424	-.463
MAXIMUM Y	1.258	1.073	.742
MINIMUM Y	-.603	-.463	-.329
CENTROID X	-.360	-.517	-.478
CENTROID Y	-.158	-.298	-.432
POR TO CENTROID in.	.394	.597	.644
MIN RADIUS	.471	.288	.224
MEAN RADIUS	.750	.567	.455
MAX RADIUS	1.889	1.117	.762
HORIZONTAL SPREAD	1.989	1.082	1.082
VERTICAL SPREAD	1.861	1.536	1.071
EXTREME SPREAD	2.655	1.646	1.199
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	