

C6225216

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00128247

Serial: C6225216 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 4/20/2007 8:40:58 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: WODA FSB BAGRAM AFLD

WODA FSB BAGRAM AFLD

Address 1: AMC SITE/SMALL ARM SUPPORT CENTER

AMC SITE/SMALL ARM SUPPORT CENTER

Address 2: BAGRAM AF 691334

PO Box:

BAGRAM AF 691334

PO Box:

City: DODAAC: W91L3M

DODAAC: W91L3M

State:

Zip Code: 09373

Country: AE

State:

Zip Code: 09373

Country: AE

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
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

4/20/2007

1:14 PM

CAPS

NUM

INS

SCRL

start

3 Mic...

4 Int...

Arms S...

Part S...

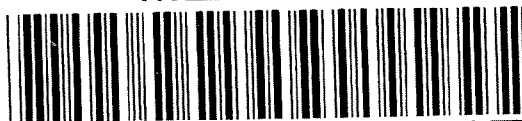
3 Mic...

Create...

1:14 PM

Serial Number: C6225216

Model: M24 SWS



RE00128247

Transportation Officer:

The included items for this shipment should have arrived at the following address:

XR W0L7 ANNISTON MUNITIONS CENTER
TRANS OFFICER 256 235 6837 CL V
7 FRANKFORD AVE BLDG 380
ANNISTON AL 36201-4199

Upon receipt of these weapons please contact one or all of the following:

alexanderw@mmcs.army.mil
lingoe@mmcs.army.mil
chambersb@mmcs.army.mil

Thank you

Will Alexander
Small Arms Support Center Supervisor
Bagram Air Base, Afghanistan
alexanderw@mmcs.army.mil

W. L. Alexander

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

USAPPC V1.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225216.___0

FILE DATE AND TIME: 05/09/2007 01:23

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.032
The Average Y Centroid of the Five Target Set:	-0.030
The Average Point of Impact of the Five Target Set:	0.044
The Average Mean Radius of the Five Target Set:	0.719
The Distance from POA to Centroid Target #1:	0.247
The Distance from Centroid Target #2 to Centroid Target #1:	0.327
The Distance from Centroid Target #3 to Centroid Target #1:	0.467
The Distance from Centroid Target #4 to Centroid Target #1:	0.258
The Distance from Centroid Target #5 to Centroid Target #1:	0.274

SERIAL NUMBER: C6225216.___0

TARGET NUMBER: 1

FILE DATE: 05/09/2007

FILE TIME: 01:23

POINT#	X	Y
1:	-0.188	2.091
2:	-1.004	0.393
3:	-0.278	0.251
4:	0.255	0.912
5:	0.402	0.223
6:	0.864	-0.301
7:	1.405	-0.042
8:	0.177	-0.614
9:	0.133	-0.416
10:	-0.546	-0.351

X CENTROID: 0.122

Y CENTROID: 0.215

POA TO CENTROID: 0.247

HORZ SPREAD: 2.409

VERT SPREAD: 2.705

GROUP SPREAD: 2.730

MIN RADIUS: 0.280

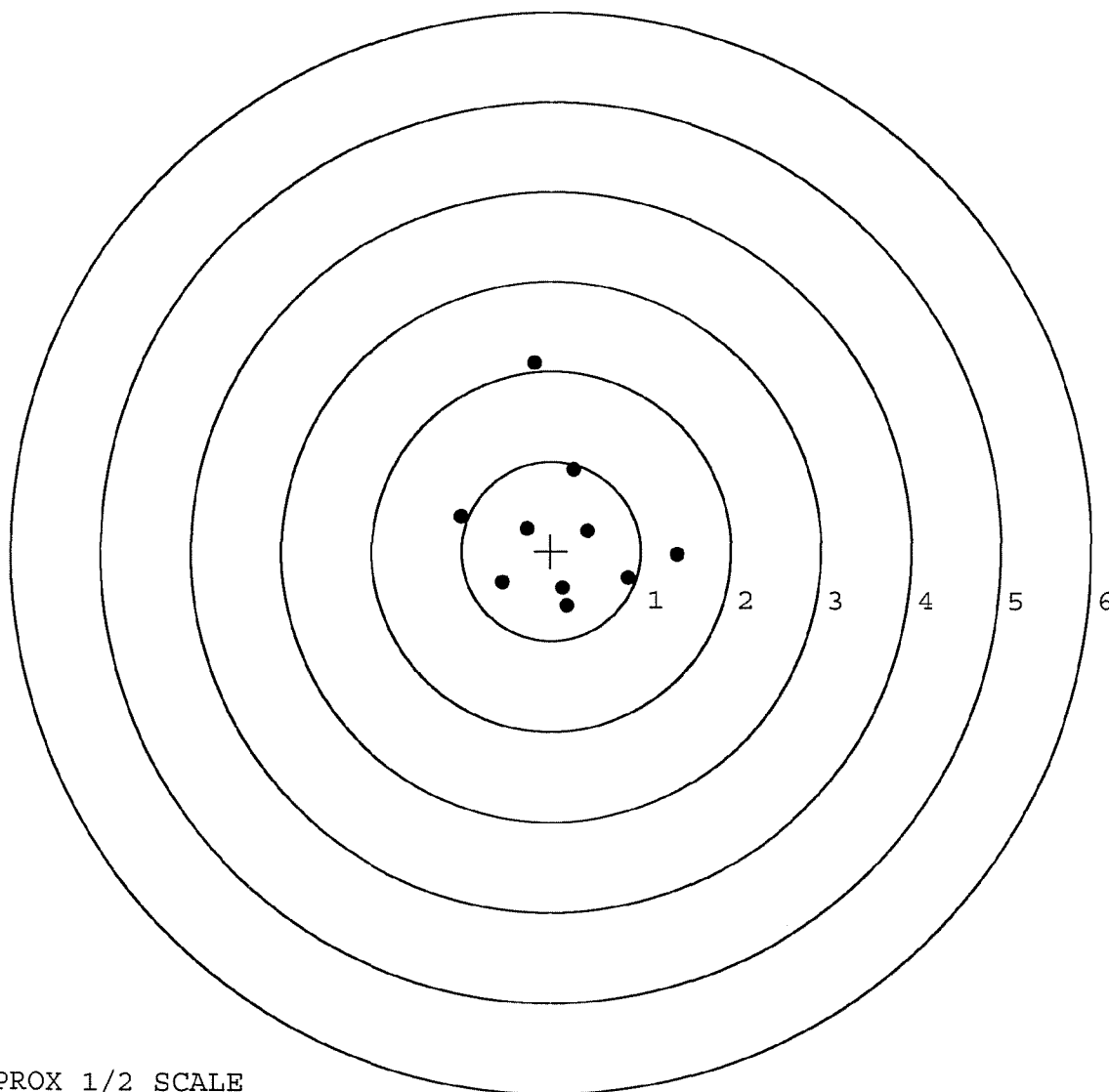
MAX RADIUS: 1.902

MEAN RADIUS: 0.898

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225216. __0

TARGET NUMBER: 2

FILE DATE: 05/09/2007

FILE TIME: 01:23

POINT#	X	Y
1:	-0.463	0.754
2:	-0.453	0.207
3:	-0.394	-0.219
4:	-0.037	-0.191
5:	-0.469	-0.505
6:	-0.288	-0.528
7:	-0.050	-0.609
8:	0.461	0.421
9:	0.429	0.079
10:	0.866	-0.110

X CENTROID: -0.040

Y CENTROID: -0.070

POA TO CENTROID: 0.081

HORZ SPREAD: 1.335

VERT SPREAD: 1.363

GROUP SPREAD: 1.585

MIN RADIUS: 0.121

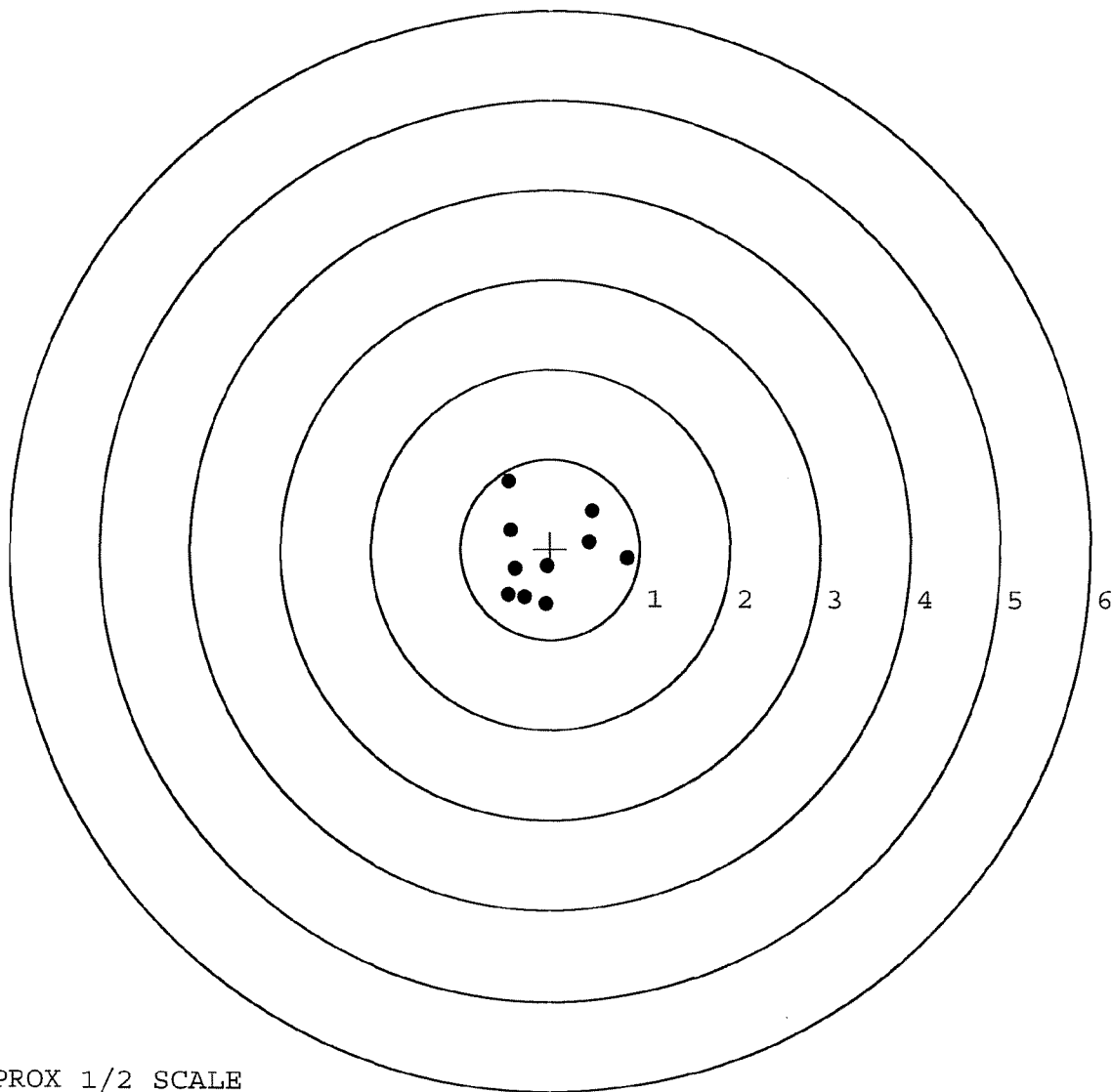
MAX RADIUS: 0.926

MEAN RADIUS: 0.570

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

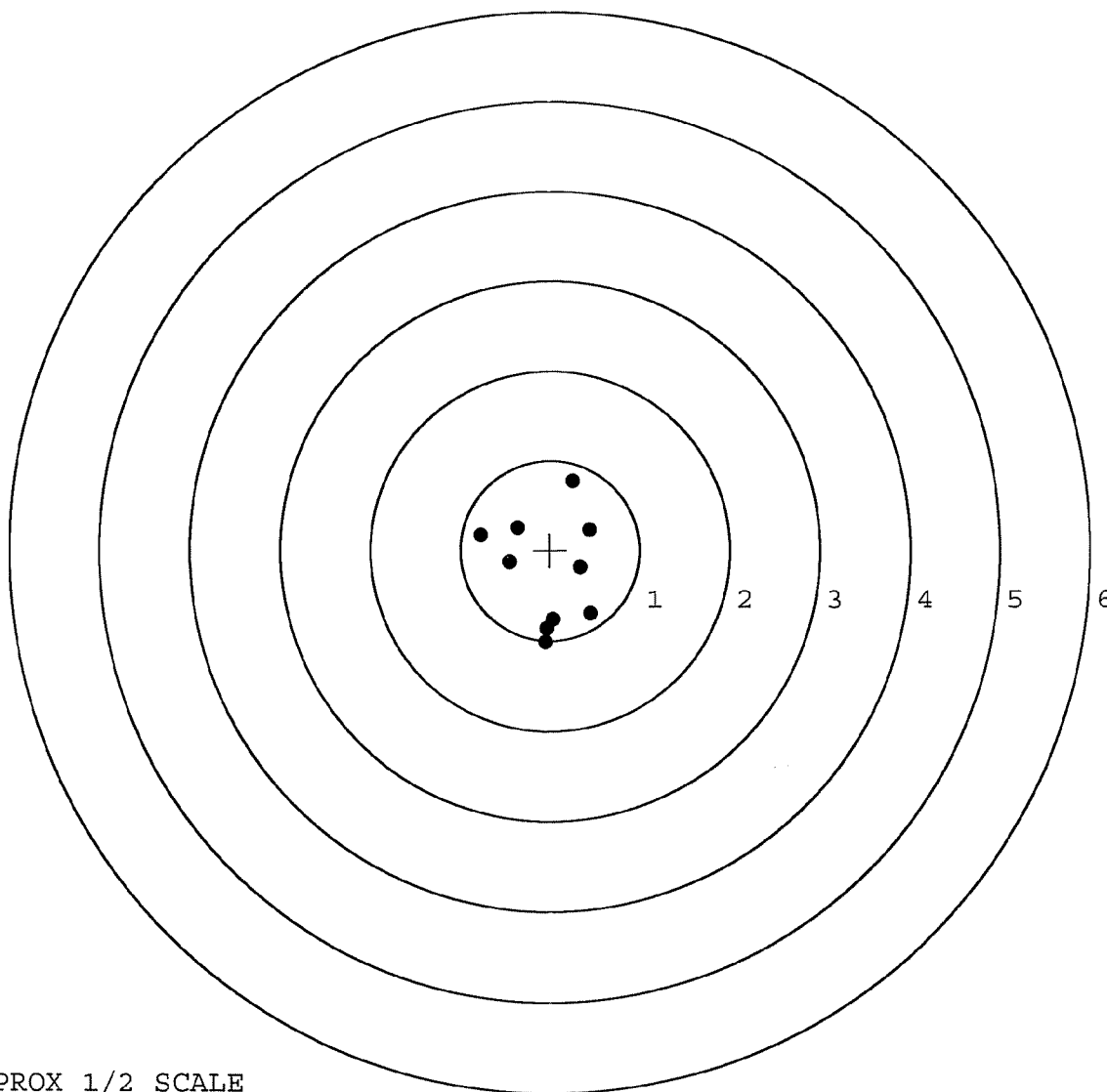


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225216. 0
TARGET NUMBER: 3
FILE DATE: 05/09/2007
FILE TIME: 01:23

POINT#	X	Y
1:	0.259	0.770
2:	0.441	0.226
3:	0.335	-0.198
4:	0.453	-0.713
5:	0.031	-0.777
6:	-0.057	-1.026
7:	-0.456	-0.137
8:	-0.364	0.251
9:	-0.775	0.167
10:	-0.041	-0.879

X CENTROID: -0.017
Y CENTROID: -0.232
POA TO CENTROID: 0.232
HORZ SPREAD: 1.228
VERT SPREAD: 1.796
GROUP SPREAD: 1.824
MIN RADIUS: 0.354
MAX RADIUS: 1.039
MEAN RADIUS: 0.660
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

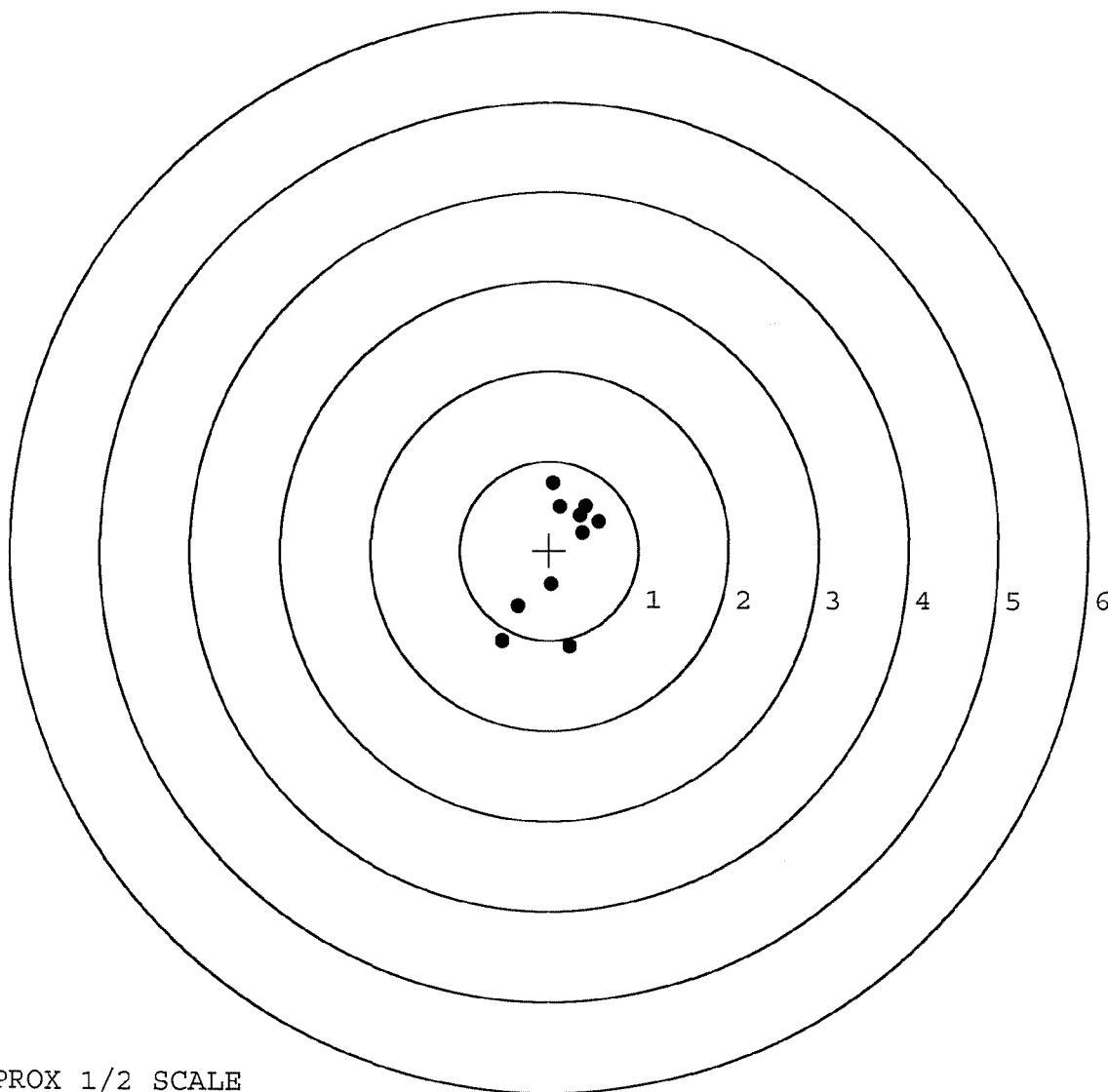


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225216.___0
TARGET NUMBER: 4
FILE DATE: 05/09/2007
FILE TIME: 01:23

POINT#	X	Y
1:	0.037	0.758
2:	0.403	0.495
3:	0.551	0.325
4:	0.366	0.195
5:	0.023	-0.382
6:	-0.350	-0.620
7:	-0.532	-1.013
8:	0.229	-1.073
9:	0.338	0.391
10:	0.114	0.490

X CENTROID: 0.118
Y CENTROID: -0.043
POA TO CENTROID: 0.126
HORZ SPREAD: 1.083
VERT SPREAD: 1.831
GROUP SPREAD: 1.860
MIN RADIUS: 0.344
MAX RADIUS: 1.167
MEAN RADIUS: 0.664
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225216.___0

TARGET NUMBER: 5

FILE DATE: 05/09/2007

FILE TIME: 01:23

POINT#	X	Y
1:	-0.147	1.009
2:	0.558	0.632
3:	0.758	0.810
4:	0.614	0.004
5:	0.245	-0.423
6:	0.191	-0.880
7:	-0.156	-0.574
8:	-0.525	-0.007
9:	-0.699	-0.502
10:	-1.062	-0.253

X CENTROID: -0.022

Y CENTROID: -0.018

POA TO CENTROID: 0.029

HORZ SPREAD: 1.820

VERT SPREAD: 1.889

GROUP SPREAD: 2.108

MIN RADIUS: 0.485

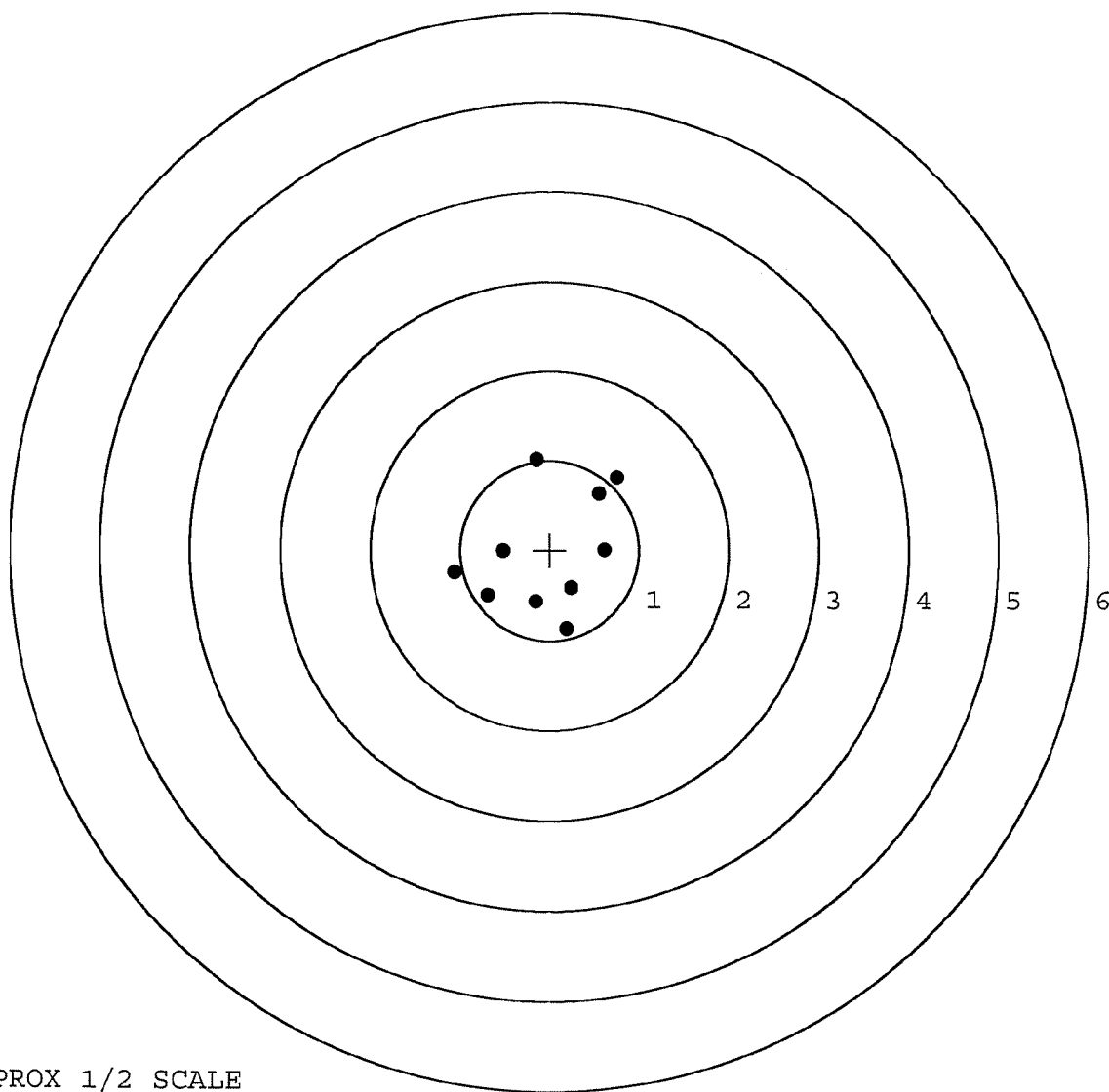
MAX RADIUS: 1.138

MEAN RADIUS: 0.803

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>128247</u>			
SERIAL NUMBER <u>C622 5216</u>			
LOG-IN DATE <u>4-20-07</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-24-07	RJC
505	RE-BARREL	4-25-07	RJC
560	ASSEMBLE	4-25-07	RJC
600	PROOF	4-25-07	TRW
605	CHECK HEADSPACE	4-25-07	TRW
610	DIS-ASSEMBLE GUN	4-26-07	RJC
612	MAGNAFLUX	4/30/07	mm
510	DRILL AND TAP	4-27-07	TRW
615	ROLLMARK CALIBER	5-1-07	CW
618	ROTO-BLAST	5-1-07	UB
620	APPLY COATINGS	5/2/07	RB
625	FINAL ASSEMBLY	5-8-07	RR
640	FUNCTION TEST AND	5/8/07	mm
650	TARGET	5/8/07	mm
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5-15-07	RJC
	A) HEADSPACE	5-15-07	RR
	B) TRIGGER PULL	2.63 2.43 2.46 2.48 2.45 5-10-07	TRW
680	F) SAFETY ON FORCE	6.0 6.0 5.75 5-10-07	TRW
	G) SAFETY OFF FORCE	2.75 2.5 2.5 5-10-07	TRW
	I) FIRING PIN INDENT	.0245 .024 .0235 5-10-07	TRW
690	PACK	5-16-07	RR

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225216

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	3 17 89	RW
600	Proof		3 17 89	RW
607	Check Headspace		3 17 89	RW
610	Dis-assemble Gun		3 17 89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	LS
617	Drill and Tap Sight Holes	3 22	89	F.B.
618	Polish Barrel	3 22	89	BT
620	Apply Coatings (Barrel Action)		3/31/89	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/4/89	RW
	C) Inspect Ejector Hole for Chamfer		4/4/89	RW
	D) Oil Firing Pin Ass'y		4/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-6-89	TH

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	4-6-89	gll
	G) Safety Off Force	5	5	5	4-6-89	gll
	H) Trigger Pull Test & Retainability				4-5-89	g.s.
	I) Firing Pin Indent	.022	.023	.023	4-6-89	gll
	J) Assemble Stock				4/14/89	RW
	K) Assemble Swivel Studs				21 Apr 89	JD
	L) Attach Front and Rear Sight Assemblies				4/14/89	RW
	M) Iron Sight Alignment				4/14/89	RW
	N) Detach Front & Rear Sights & place in numbered container				4/14/89	RW
	O) Attach Scope to Rifle				4/17/89	gll
	P) Detach & Attach Scope 20 Times				4/18/89	DH
640	Gallery Target & Test	82 R	706		4/20/89	DH
	A) Time				4/20/89	DH
	B) Malfunctions				4/20/89	DH
	C) Pierced Primers				4/20/89	DH
	D) Optical Clarity of Scope				4/20/89	DH
645	Inspect for Live Ammo				4/20/89	DH
655	Final Inspection					
	A) Headspace				21 Apr 89	JD
	B) Trigger Pull	221	234	237	21 Apr 89	JD
	C) Function				21 Apr 89	JD
660	Pack				27 June 89	JD

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6725214

DATE 3-28-90

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.34		2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.39		2.38	
PULL #3	2.37	2.41		2.37	
PULL #4	2.44	2.38		2.41	
PULL #5	2.39	2.41		2.39	
TOTAL	12.02	11.93		11.95	
AVG.	2.404	2.386		2.39	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.36		
PULL #2	3.33	3.37		
PULL #3	3.21	3.33		
PULL #4	3.27	3.20		
PULL #5	3.30	3.26		
TOTAL	16.43	16.52		
AVG.	3.286	3.304		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.21		
PULL #2	4.23	4.22		
PULL #3	4.25	4.27		
PULL #4	4.22	4.22		
PULL #5	4.20	4.20		
TOTAL	21.14	21.12		
AVG.	4.228	4.224		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225216
20 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.197284
1 TO	2	.178846
1 TO	3	.299042
1 TO	4	.650577
1 TO	5	1.02398

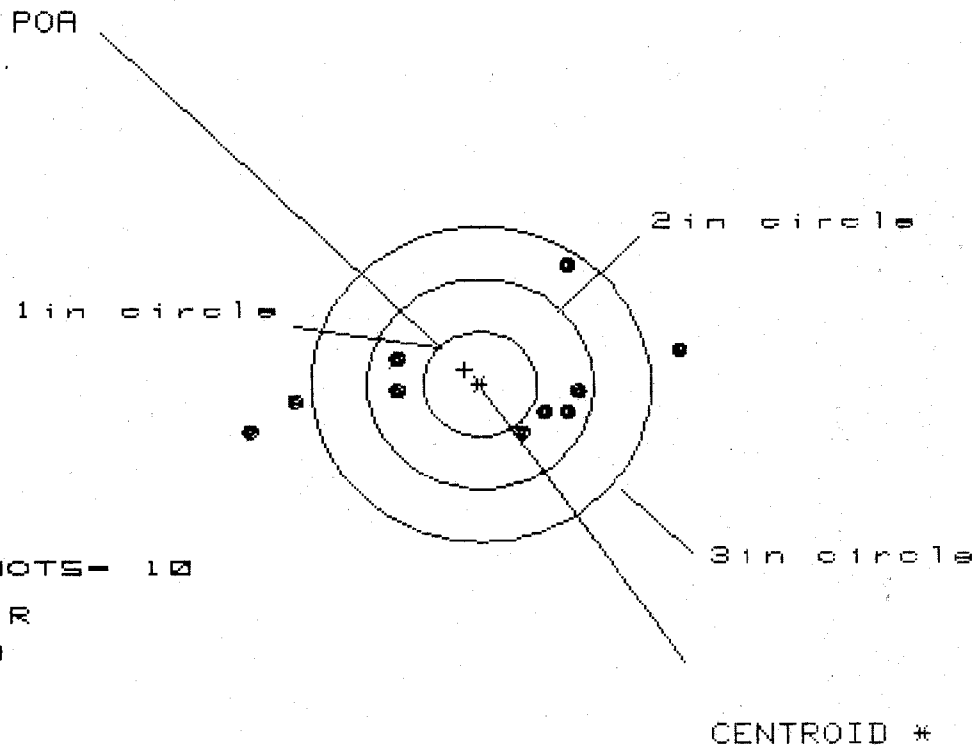
$\bar{x}_3^4$ <----POA
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3902
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.185
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .431835
THE AMR FOR THIS RIFLE IS: .996

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225216

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 7

HS= 3.729

VS= 1.641

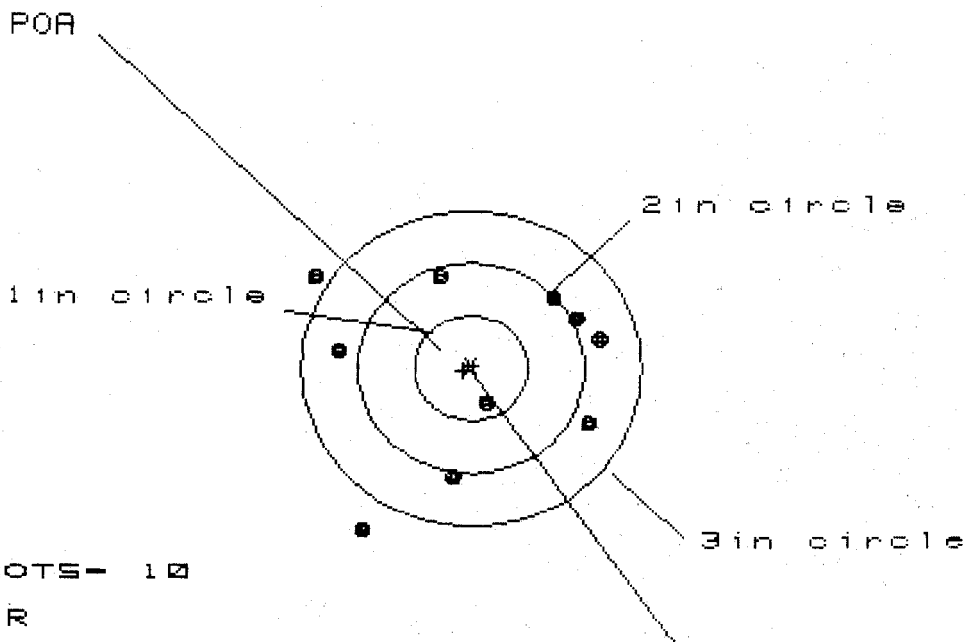
GS= 3.822

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.724	1.501	.868
MINIMUM X	-2.005	-1.838	-1.650
MAXIMUM Y	1.149	1.097	1.136
MINIMUM Y	-.492	-.544	-.505
CENTROID X	.139	.362	.174
CENTROID Y	-.140	-.088	-.127
POA TO CENTROID in.	.197	.372	.215
MIN RADIUS	.637	.510	.626
MEAN RADIUS	1.126	.985	.926
MAX RADIUS	2.059	1.845	1.655
HORIZONTAL SPREAD	3.729	3.339	2.518
VERTICAL SPREAD	1.641	1.641	1.641
EXTREME SPREAD	3.822	3.373	2.666
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225216

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 2.480

VS= 2.462

GS= 2.793

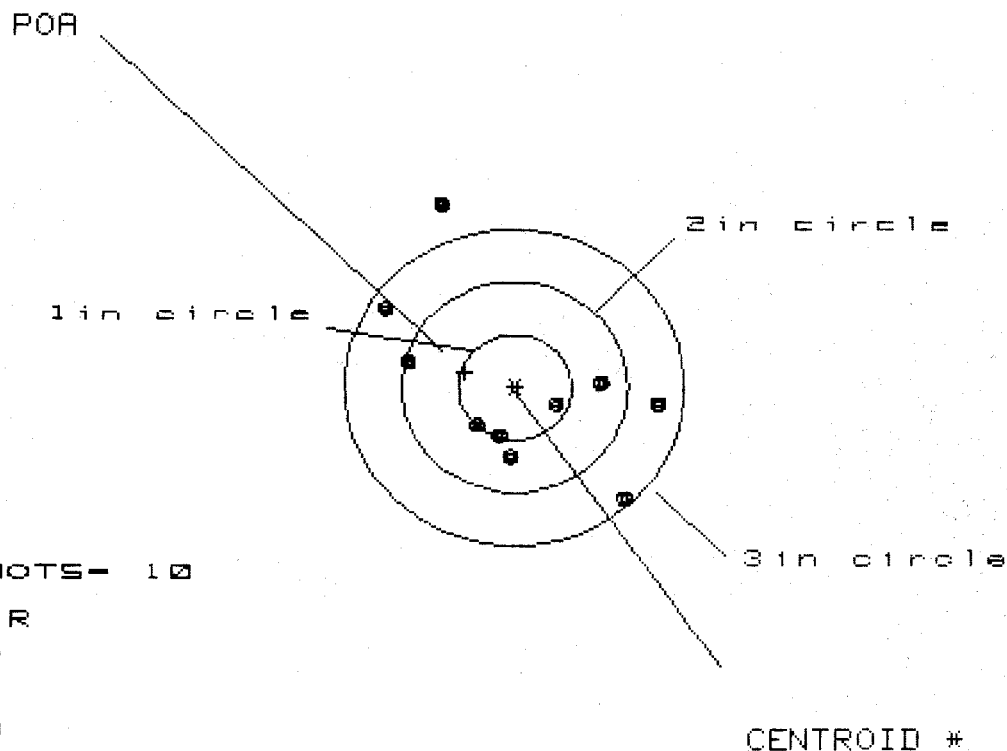
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.141	1.038	.858
MINIMUM X	:	-1.339	-1.442	-1.488
MAXIMUM Y	:	.908	.735	.748
MINIMUM Y	:	-1.554	-1.183	-1.091
CENTROID X	:	.070	.173	.353
CENTROID Y	:	.025	.198	.106
POA TO CENTROID in.	:	.074	.262	.368
MIN RADIUS	:	.368	.516	.450
MEAN RADIUS	:	1.125	1.029	.922
MAX RADIUS	:	1.809	1.618	1.493
HORIZONTAL SPREAD	:	2.480	2.480	2.346
VERTICAL SPREAD	:	2.462	1.918	1.839
EXTREME SPREAD	:	2.793	2.762	2.348
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	2		
NUMBER IN THREE INCH CIRCLE =	:	8		

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225216

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in = 9

HS= 2.443

VS= 2.820

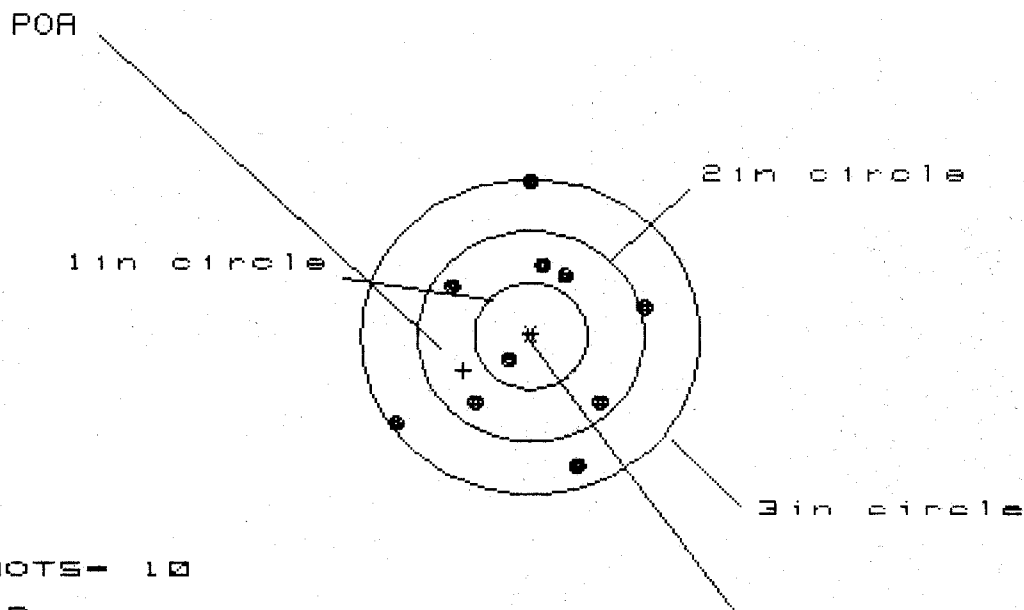
GS= 3.251

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.296	1.220	1.328
MINIMUM X	:	-1.147	-1.223	-1.115
MAXIMUM Y	:	1.766	.946	.839
MINIMUM Y	:	-1.054	-.858	-.524
CENTROID X	:	.438	.514	.406
CENTROID Y	:	-.145	-.341	-.234
POA TO CENTROID in.	:	.461	.617	.469
MIN RADIUS	:	.390	.291	.397
MEAN RADIUS	:	.973	.819	.781
MAX RADIUS	:	1.894	1.546	1.396
HORIZONTAL SPREAD	:	2.443	2.443	2.443
VERTICAL SPREAD	:	2.820	1.804	1.363
EXTREME SPREAD	:	3.251	2.753	2.590
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225216

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 6

3in = 10

HS- 2.207

VS= 2.678

GS= 2.696

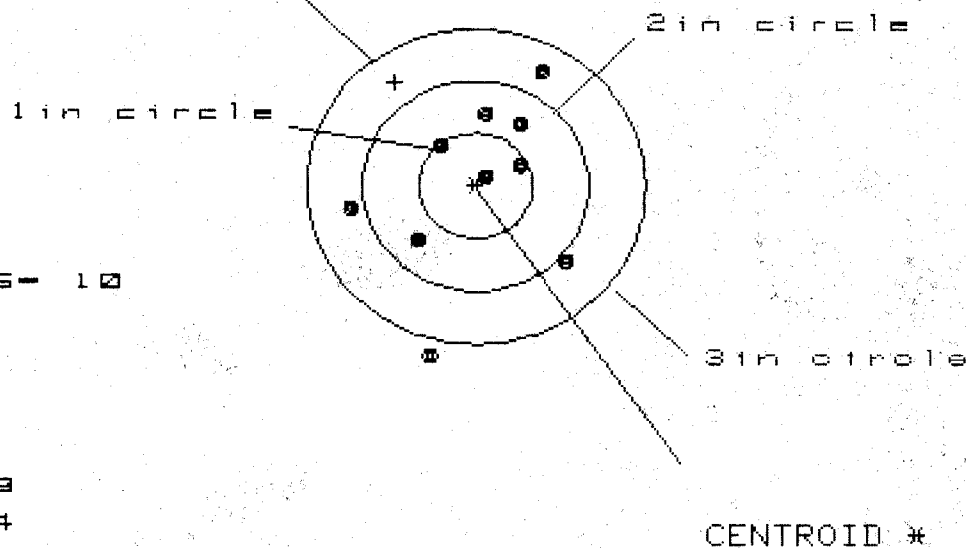
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.032	1.037	.891
MINIMUM X	:	-1.175	-1.170	-.874
MAXIMUM Y	:	1.496	.862	.778
MINIMUM Y	:	-1.182	-1.016	-1.100
CENTROID X	:	.594	.589	.735
CENTROID Y	:	.325	.159	.243
POA TO CENTROID in.	:	.678	.610	.774
MIN RADIUS	:	.249	.150	.314
MEAN RADIUS	:	.938	.862	.802
MAX RADIUS	:	1.497	1.348	1.123
HORIZONTAL SPREAD	:	2.207	2.207	1.765
VERTICAL SPREAD	:	2.678	1.878	1.878
EXTREME SPREAD	:	2.696	2.451	1.990
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225216

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 6

3 in - 9

HS= 1.813

VS= 2.644

GS= 2.840

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.748	.697	.764
MINIMUM X	:	-1.065	-1.116	-1.049
MAXIMUM Y	:	1.050	.873	.661
MINIMUM Y	:	-1.594	-.860	-.751
CENTROID X	:	.710	.761	.694
CENTROID Y	:	-.990	-.813	-.922
POA TO CENTROID in.	:	1.219	1.114	1.154
MIN RADIUS	:	.114	.121	.111
MEAN RADIUS	:	.818	.684	.653
MAX RADIUS	:	1.656	1.187	1.089
HORIZONTAL SPREAD	:	1.813	1.813	1.813
VERTICAL SPREAD	:	2.644	1.733	1.412
EXTREME SPREAD	:	2.840	2.088	1.869
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	




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

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

MODEL 700™ H24

SERIAL NO. C6225216

ORDER NO. 5716

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

01

