

C6522326

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522326.__0
FILE DATE AND TIME: 10/18/2004 06:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.040
The Average Point of Impact of the Five Target Set:	0.045
The Average Mean Radius of the Five Target Set:	0.738
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.097
The Distance from Centroid Target #3 to Centroid Target #1:	0.088
The Distance from Centroid Target #4 to Centroid Target #1:	0.457
The Distance from Centroid Target #5 to Centroid Target #1:	0.118

SERIAL NUMBER: C6522326. __0

TARGET NUMBER: 1

FILE DATE: 10/18/2004

FILE TIME: 06:55

X CENTROID: -0.002

Y CENTROID: -0.178

POA TO CENTROID: 0.178

HORZ SPREAD: 2.564

VERT SPREAD: 1.480

GROUP SPREAD: 2.892

MIN RADIUS: 0.159

MAX RADIUS: 1.606

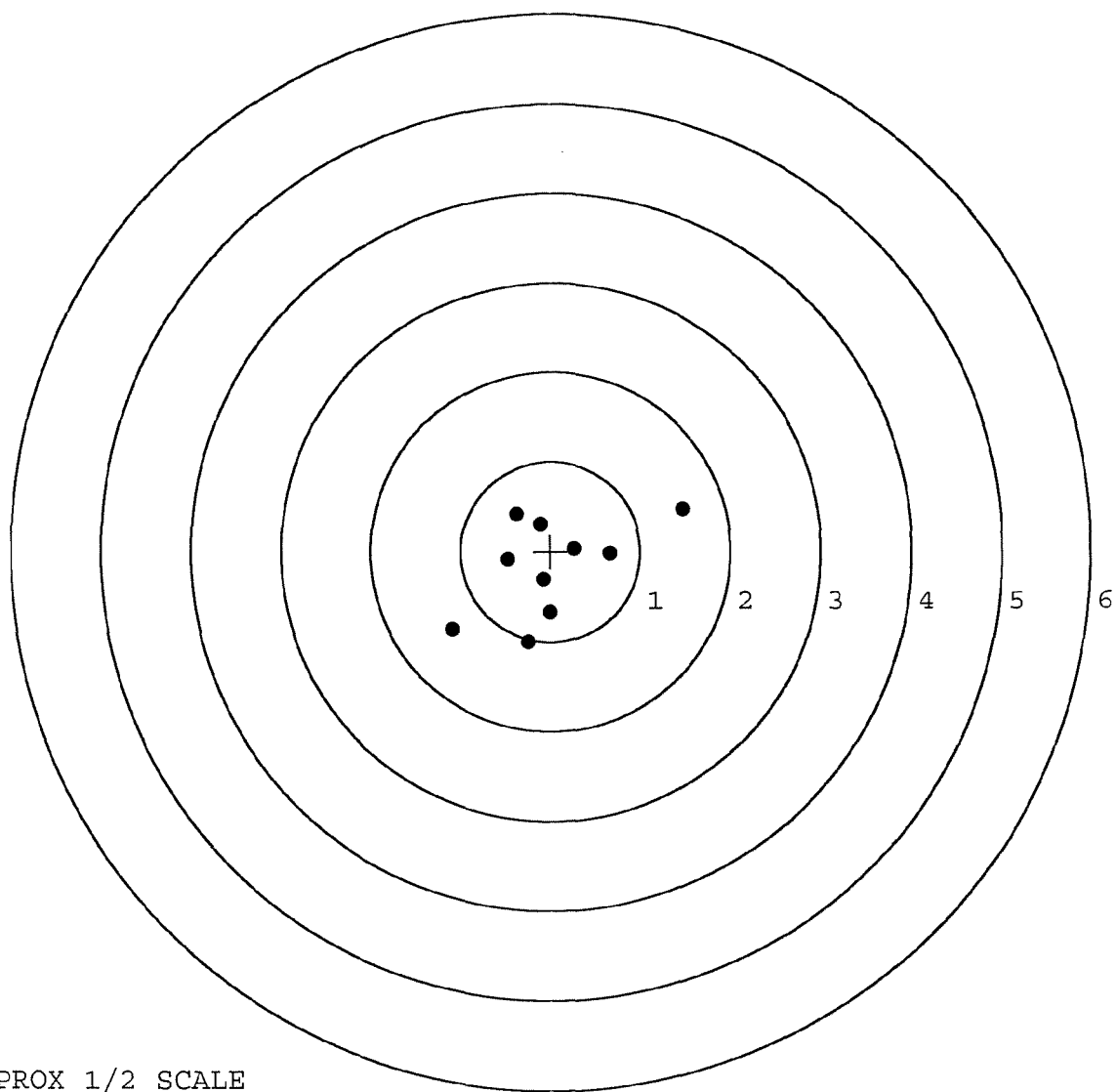
MEAN RADIUS: 0.714

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.469	0.468
2:	-1.095	-0.869
3:	-0.248	-1.012
4:	-0.013	-0.685
5:	-0.084	-0.314
6:	-0.478	-0.089
7:	-0.380	0.414
8:	-0.119	0.306
9:	0.265	0.027
10:	0.666	-0.024



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522326. __0

TARGET NUMBER: 2

FILE DATE: 10/18/2004

FILE TIME: 06:55

X CENTROID: -0.068

Y CENTROID: -0.107

POA TO CENTROID: 0.127

HORZ SPREAD: 1.236

VERT SPREAD: 1.202

GROUP SPREAD: 1.315

MIN RADIUS: 0.140

MAX RADIUS: 0.736

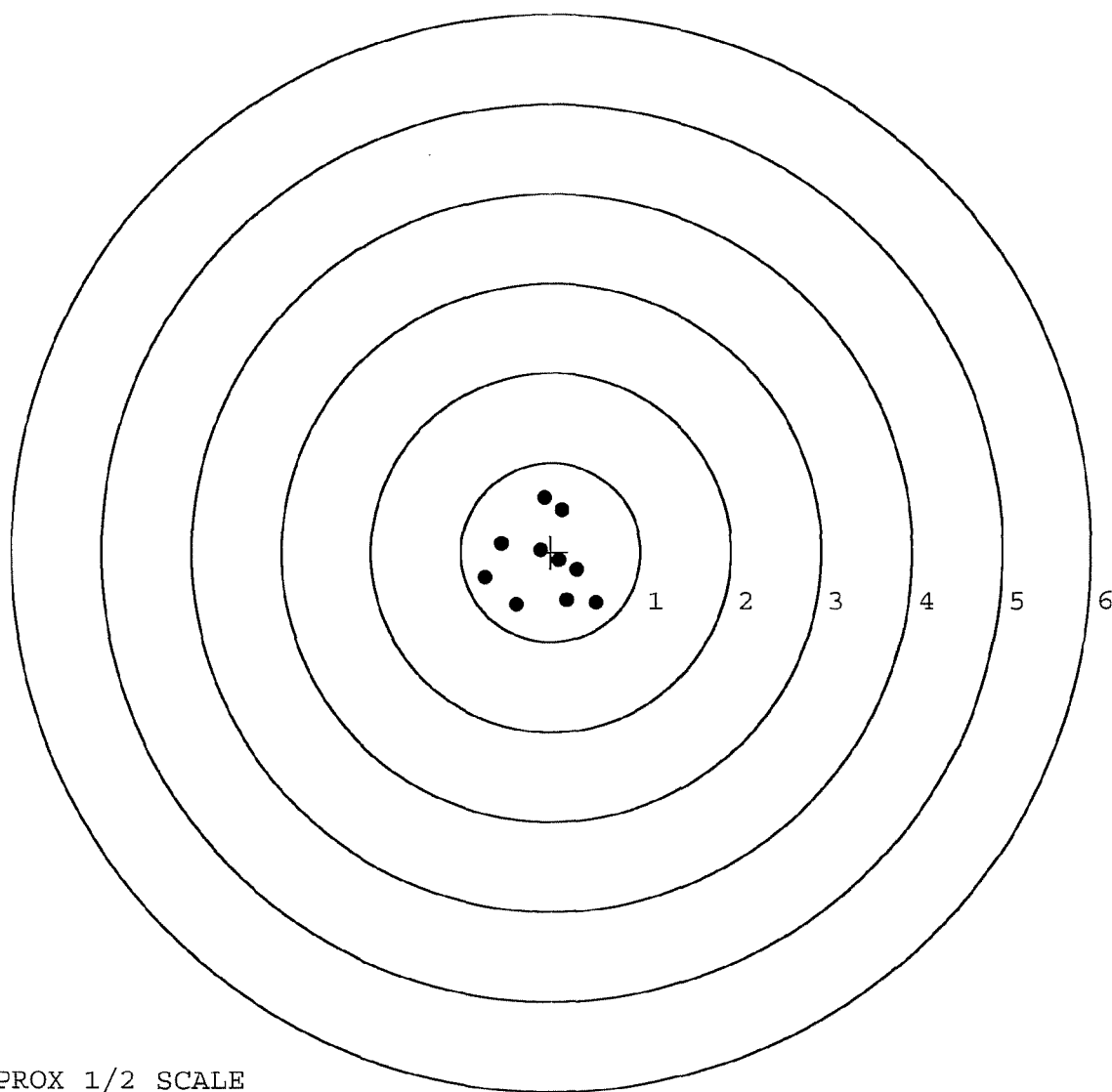
MEAN RADIUS: 0.502

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.505	-0.568
2:	0.174	-0.540
3:	0.291	-0.198
4:	0.093	-0.095
5:	-0.387	-0.592
6:	-0.731	-0.281
7:	-0.553	0.103
8:	0.123	0.467
9:	-0.079	0.610
10:	-0.119	0.023



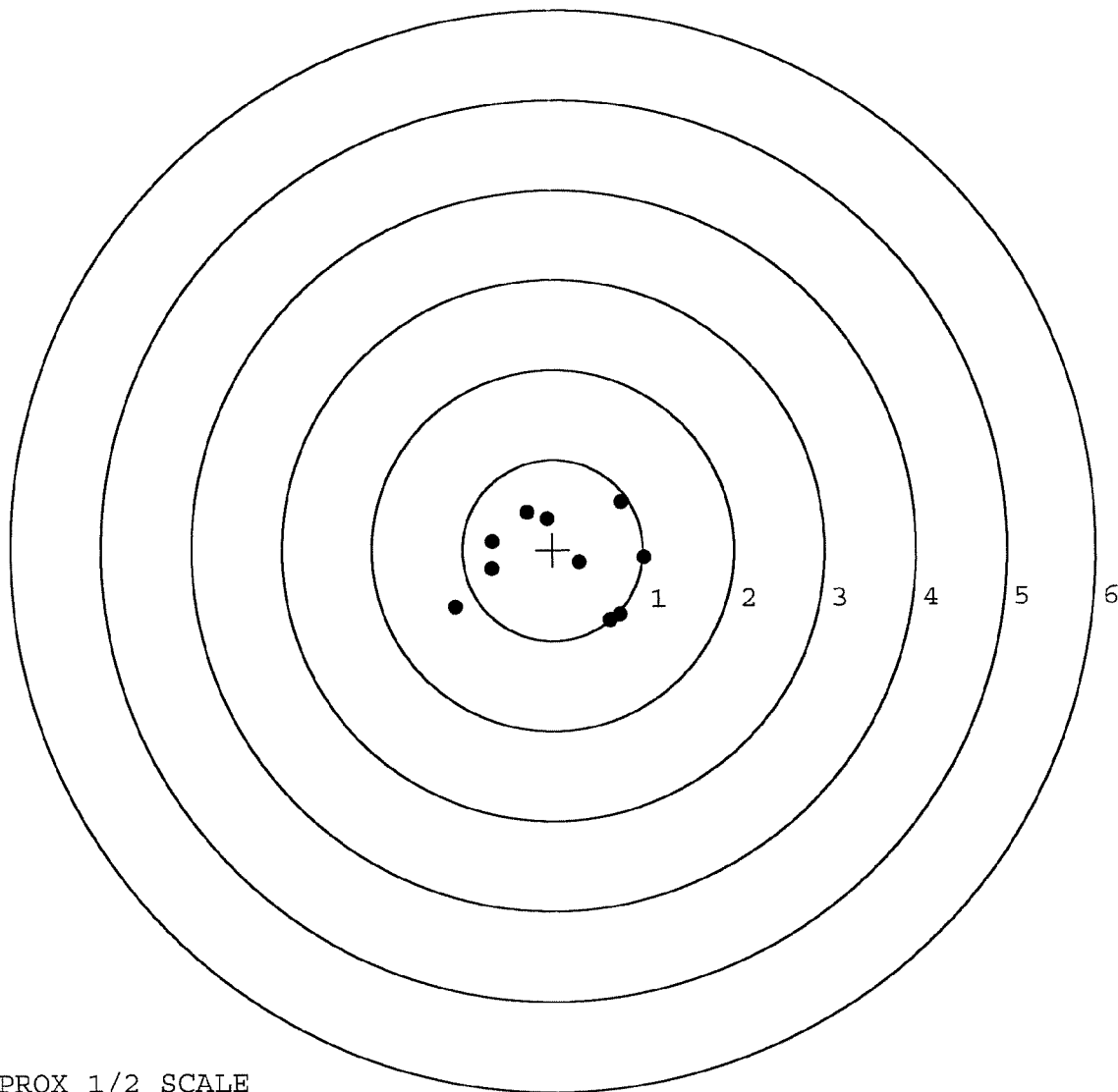
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522326. 0
TARGET NUMBER: 3
FILE DATE: 10/18/2004
FILE TIME: 06:55

X CENTROID: 0.065
Y CENTROID: -0.120
POA TO CENTROID: 0.137
HORZ SPREAD: 2.095
VERT SPREAD: 1.308
GROUP SPREAD: 2.170
MIN RADIUS: 0.226
MAX RADIUS: 1.256
MEAN RADIUS: 0.778

POINT#	X	Y
1:	0.632	-0.782
2:	0.738	-0.721
3:	1.013	-0.099
4:	0.754	0.526
5:	0.290	-0.146
6:	-0.062	0.345
7:	-0.284	0.417
8:	-0.667	0.098
9:	-0.678	-0.208
10:	-1.082	-0.631

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

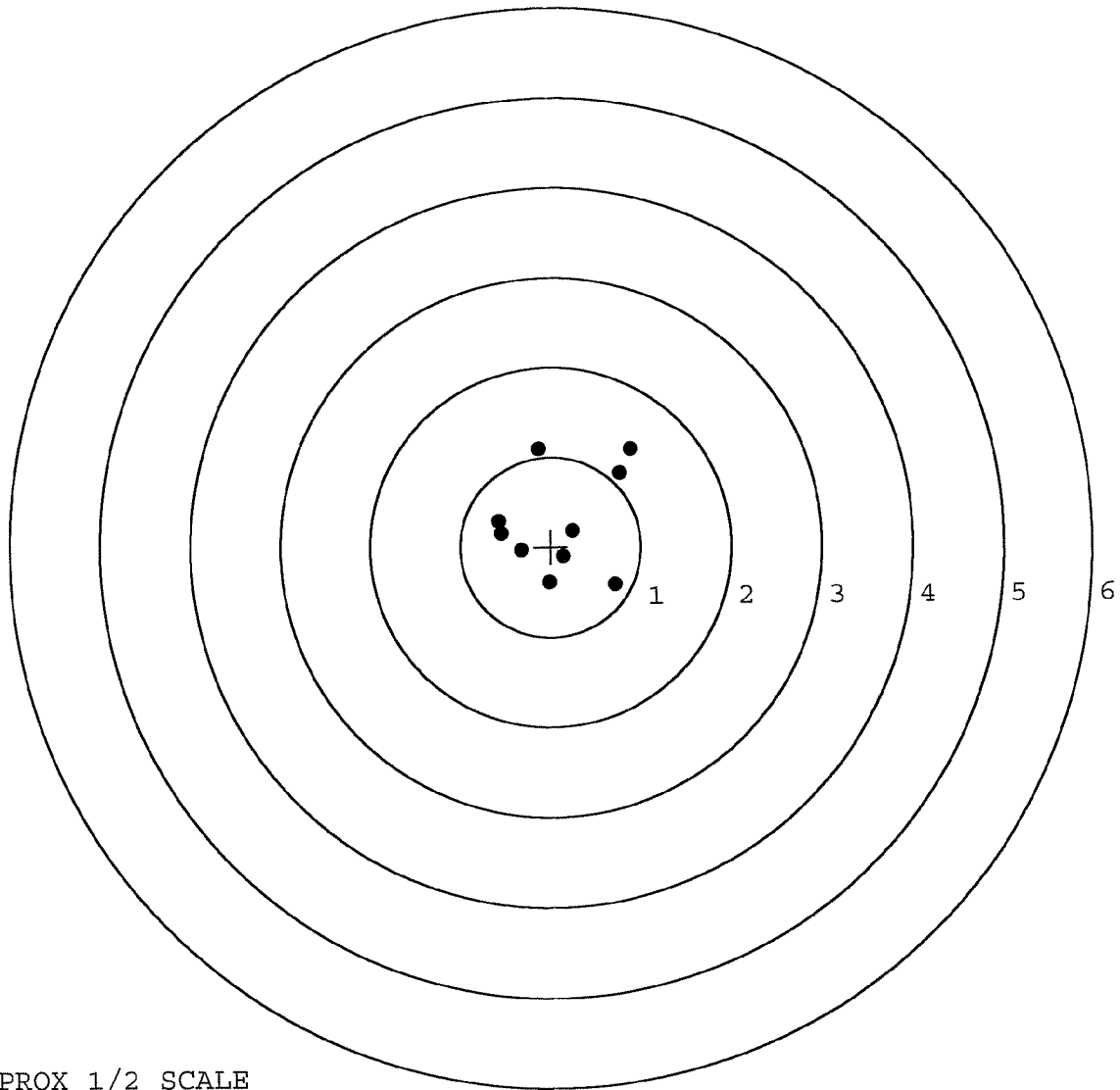


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522326. __0
TARGET NUMBER: 4
FILE DATE: 10/18/2004
FILE TIME: 06:55

X CENTROID: 0.113
Y CENTROID: 0.264
POA TO CENTROID: 0.288
HORZ SPREAD: 1.471
VERT SPREAD: 1.508
GROUP SPREAD: 1.735
MIN RADIUS: 0.155
MAX RADIUS: 1.128
MEAN RADIUS: 0.686
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.707	-0.420
2:	0.767	0.820
3:	0.891	1.082
4:	-0.128	1.088
5:	-0.580	0.290
6:	-0.548	0.154
7:	0.240	0.175
8:	-0.021	-0.394
9:	-0.333	-0.037
10:	0.138	-0.113



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522326. __0

TARGET NUMBER: 5

FILE DATE: 10/18/2004

FILE TIME: 06:55

X CENTROID: -0.012

Y CENTROID: -0.060

POA TO CENTROID: 0.061

HORZ SPREAD: 2.500

VERT SPREAD: 1.982

GROUP SPREAD: 2.501

MIN RADIUS: 0.654

MAX RADIUS: 1.631

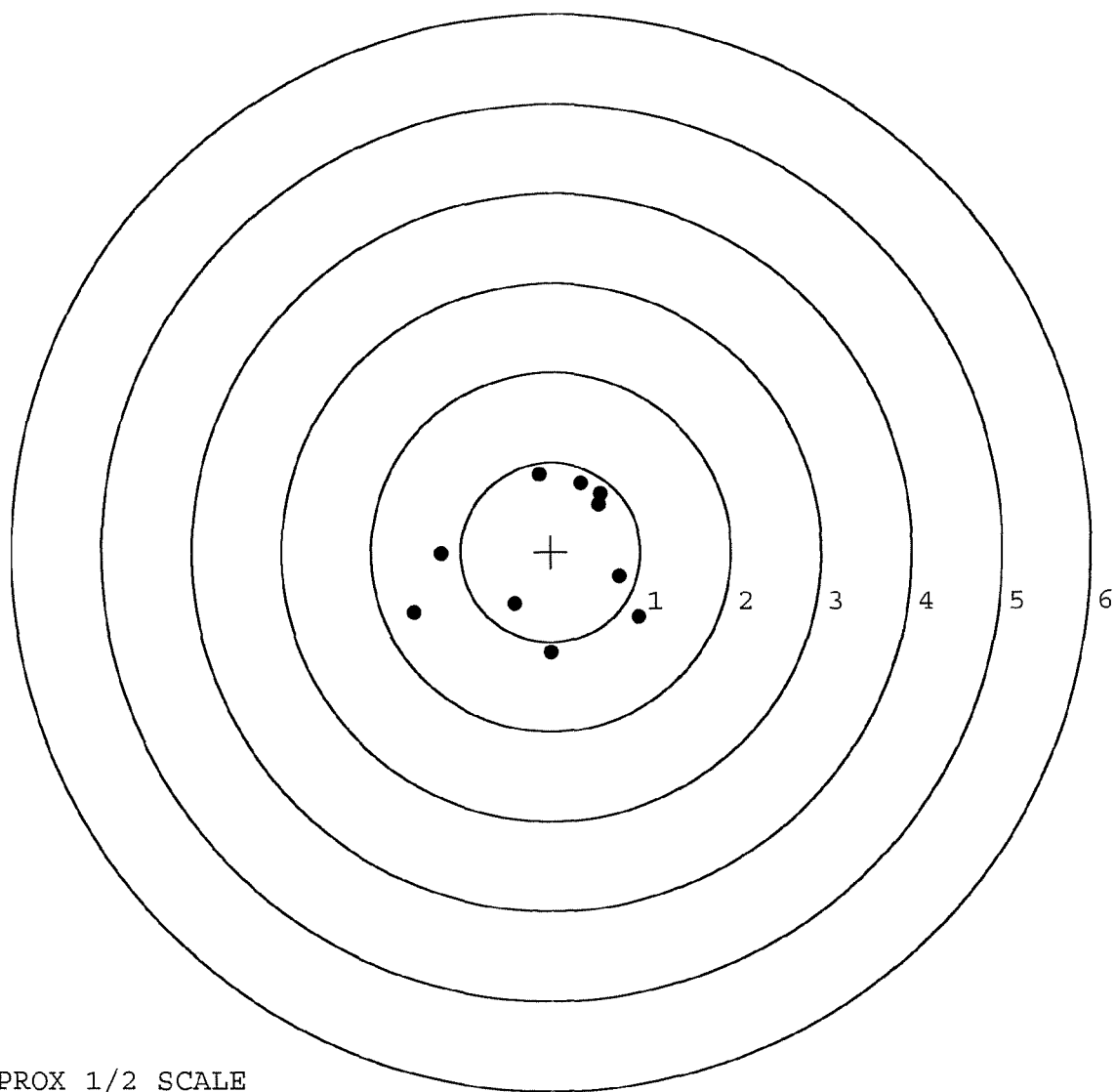
MEAN RADIUS: 1.009

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.979	-0.732
2:	0.761	-0.278
3:	0.002	-1.122
4:	-0.410	-0.579
5:	-1.521	-0.678
6:	-1.219	-0.024
7:	0.533	0.533
8:	0.547	0.653
9:	0.337	0.769
10:	-0.127	0.860



TARGET APPROX 1/2 SCALE

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

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

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

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

R & E NUMBER	85585		
SERIAL NUMBER	C6522324		
LOG-IN DATE	9-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-27-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	10-7-04	RTL
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/14/04	HP
625 A	FINAL ASSEMBLY	10-16-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-18-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-2-04	DA
		SHIP DATE	
QAR INSPECTION DATE			




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

MODEL 700™ H24

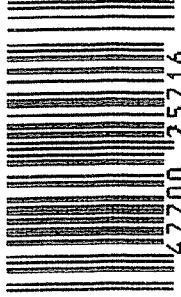
Ø1

SERIAL NO.
C6522326

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6522326

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522326
31 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.81675
1 TO	2	.298304
1 TO	3	.20359
1 TO	4	.258048
1 TO	5	.579884

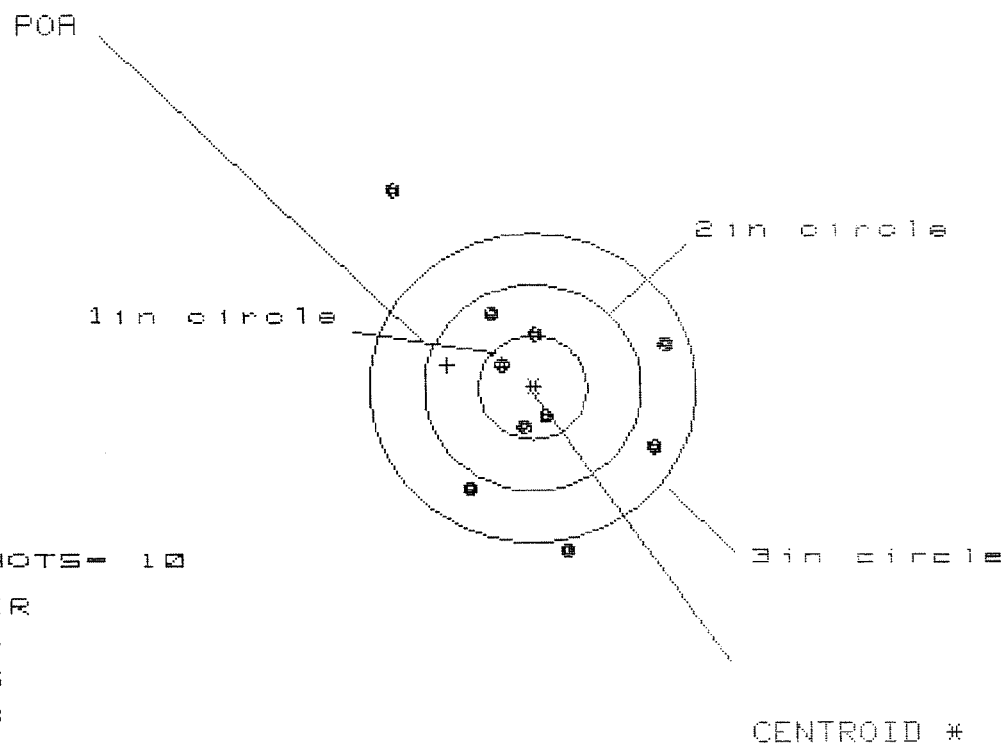
+ $\frac{3}{5}$ <----POB
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .7736
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1804
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .794356
THE AMR FOR THIS RIFLE IS: 1.168

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522326

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in - 4

2in - 5

3in - 8

HS = 2.497

VS = 3.519

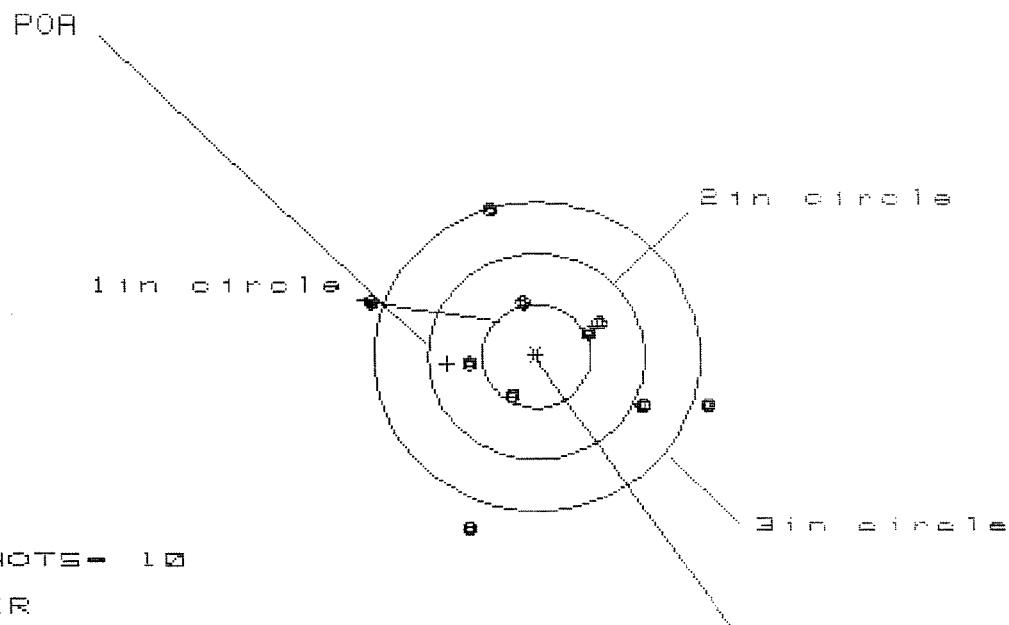
GS = 3.838

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.235	1.095	1.111
MINIMUM X	:	-1.262	-.746	-.730
MAXIMUM Y	:	1.933	.980	.808
MINIMUM Y	:	-1.586	-1.371	-.971
CENTROID X	:	.786	.926	.909
CENTROID Y	:	-.222	-.437	-.265
POA TO CENTROID in.	:	.816	1.024	.947
MIN RADIUS	:	.258	.054	.200
MEAN RADIUS	:	1.007	.845	.775
MAX RADIUS	:	2.308	1.377	1.214
HORIZONTAL SPREAD	:	2.497	1.841	1.841
VERTICAL SPREAD	:	3.519	2.351	1.779
EXTREME SPREAD	:	3.838	2.448	2.336
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522326

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.060

VS= 3.029

GS= 3.209

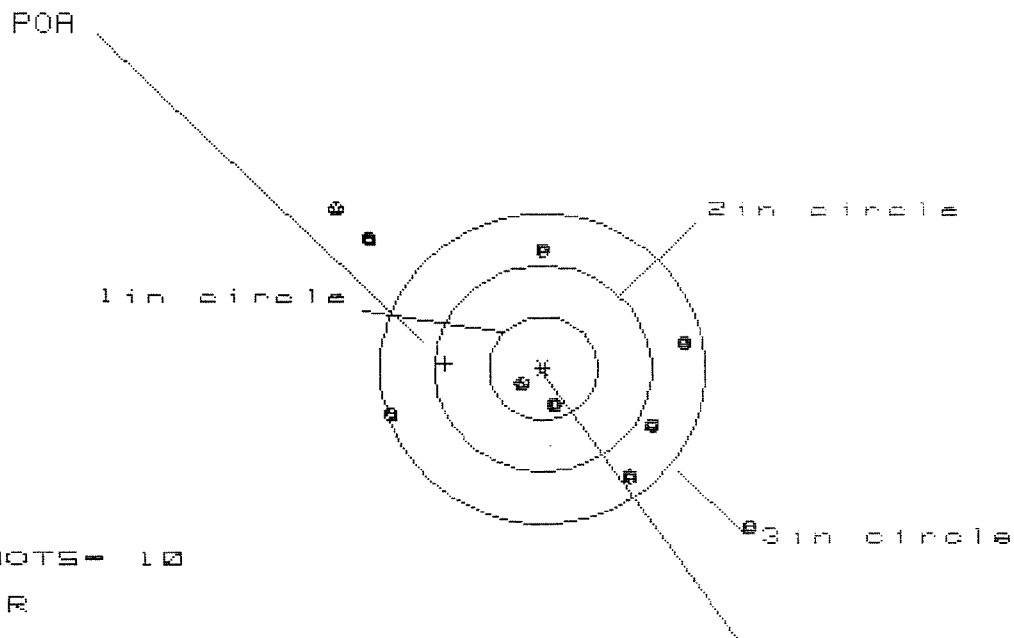
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.469	1.270
MINIMUM X	:	-1.522	-1.591	-.920
MAXIMUM Y	:	1.379	1.196	1.238
MINIMUM Y	:	-1.650	-.689	-.647
CENTROID X	:	.823	.891	1.090
CENTROID Y	:	.074	.257	.215
POA TO CENTROID in.	:	.826	.927	1.111
MIN RADIUS	:	.410	.375	.196
MEAN RADIUS	:	1.033	.930	.822
MAX RADIUS	:	1.760	1.625	1.401
HORIZONTAL SPREAD	:	3.060	3.060	2.190
VERTICAL SPREAD	:	3.029	1.885	1.885
EXTREME SPREAD	:	3.209	3.209	2.655
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

31 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06522326

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 2

3 in = 7

HS= 3.812

VS= 3.044

GS= 4.878

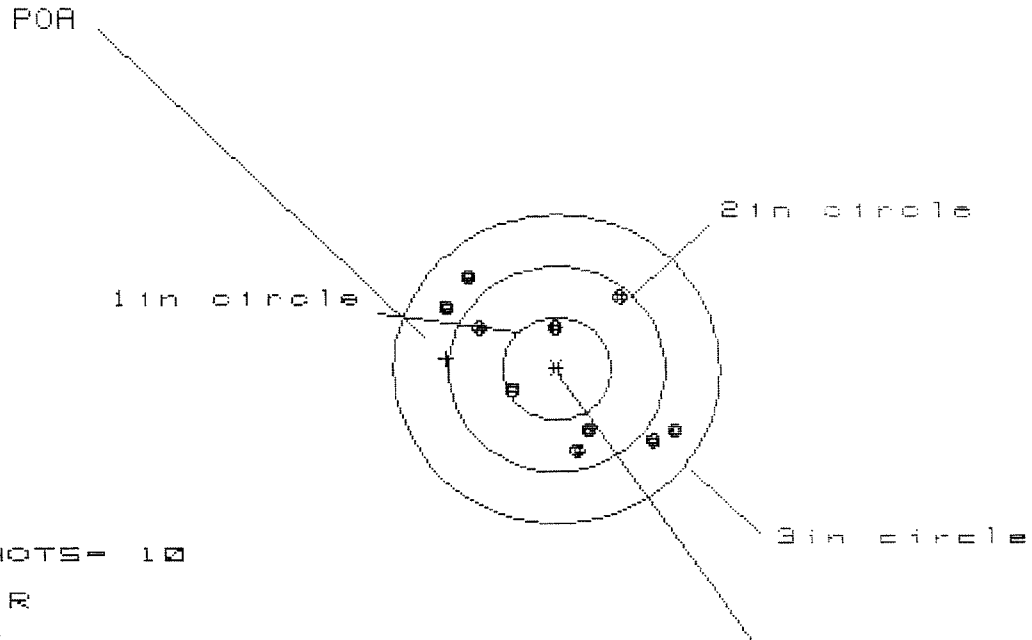
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.946	1.466	1.260
MINIMUM X	:	-1.866	-1.650	-1.628
MAXIMUM Y	:	1.521	1.352	1.297
MINIMUM Y	:	-1.523	-1.210	-1.041
CENTROID X	:	.901	.685	.891
CENTROID Y	:	-.054	.115	-.054
POA TO CENTROID in.	:	.903	.695	.893
MIN RADIUS	:	.277	.328	.269
MEAN RADIUS	:	1.398	1.301	1.138
MAX RADIUS	:	2.471	2.133	2.082
HORIZONTAL SPREAD	:	3.812	3.116	2.888
VERTICAL SPREAD	:	3.044	2.562	2.338
EXTREME SPREAD	:	4.878	3.729	3.409
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522326

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.151

VS= 1.705

GS= 2.446

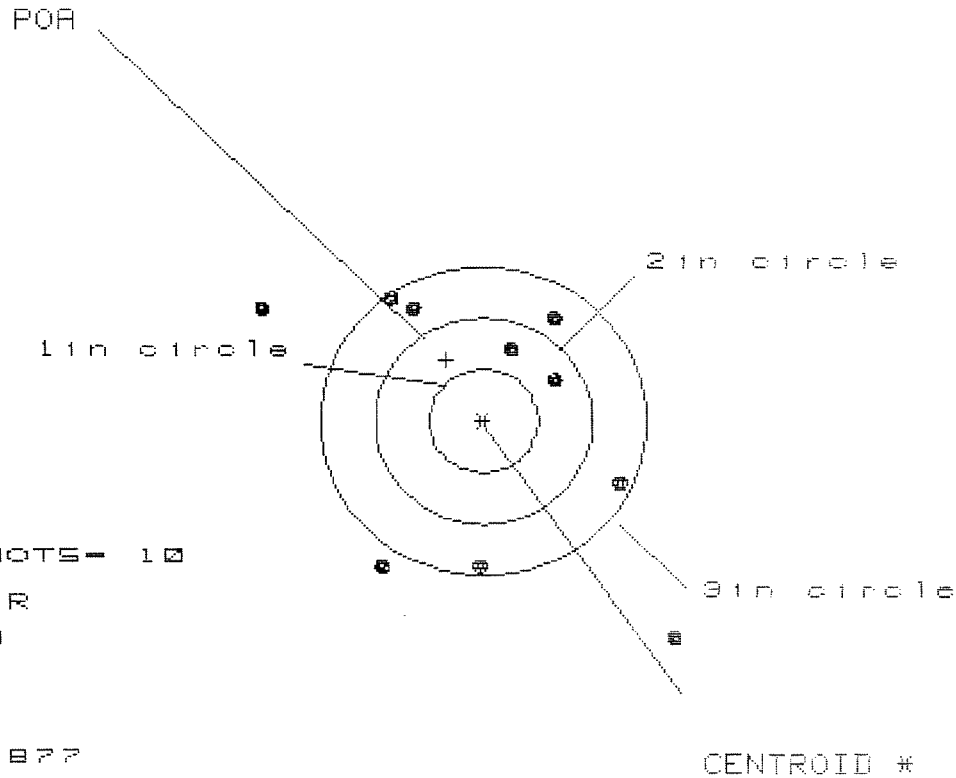
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.126	.964	.881
MINIMUM X	:	-1.025	-.900	-.983
MAXIMUM Y	:	.870	.803	.726
MINIMUM Y	:	-.835	-.902	-.802
CENTROID X	:	1.016	.891	.974
CENTROID Y	:	-.105	-.038	-.138
POA TO CENTROID in.	:	1.022	.892	.984
MIN RADIUS	:	.357	.323	.394
MEAN RADIUS	:	.881	.822	.792
MAX RADIUS	:	1.278	1.253	1.147
HORIZONTAL SPREAD	:	2.151	1.864	1.864
VERTICAL SPREAD	:	1.705	1.705	1.528
EXTREME SPREAD	:	2.446	2.284	2.269
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522326

CENTERFIRE PATTERNS # 5



OF SHOTS - 10
 # IN CIR
 1in = 0
 2in = 2
 3in = 8
 HS = 3.877
 VS = 3.347
 GS = 5.005

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.800	1.477	1.243
MINIMUM X	:	-2.077	-1.877	-1.012
MAXIMUM Y	:	1.231	.996	1.098
MINIMUM Y	:	-2.116	-1.659	-1.557
CENTROID X	:	.342	.142	.376
CENTROID Y	:	-.595	-.360	-.462
POA TO CENTROID in.	:	.686	.387	.596
MIN RADIUS	:	.786	.689	.649
MEAN RADIUS	:	1.519	1.345	1.231
MAX RADIUS	:	2.778	2.046	1.805
HORIZONTAL SPREAD	:	3.877	3.354	2.255
VERTICAL SPREAD	:	3.347	2.655	2.655
EXTREME SPREAD	:	5.005	3.736	2.876
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		6	

SWS TRIGGER PULL TEST

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

SERIAL NO C6522326

DATE 8/28/90

TESTER gk

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.31	2.27	2.07	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.33	2.29	2.10	
PULL #3	2.37	2.38	2.29	2.15	
PULL #4	2.38	2.37	2.12	2.07	
PULL #5	2.23	2.34	2.24	2.10	
TOTAL	11.81	11.73	11.21	10.39	
AVG.	2.362	2.346	2.242	2.078	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.44		
PULL #2	3.18	3.32		
PULL #3	3.46	3.47		
PULL #4	3.39	3.43		
PULL #5	3.39	3.51		
TOTAL	16.56	16.97		
AVG.	3.312	3.394		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.24		4.20
PULL #2	4.27	4.22		4.17
PULL #3	4.23	4.23		4.10
PULL #4	4.23	4.11		4.23
PULL #5	4.29	4.24		4.12
TOTAL	21.15	21.04		20.82
AVG.	4.23	4.208		4.164

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522326

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	RW
600	Proof	7 12	90	RW
607	Check Headspace	7 12	90	RW
610	Dis-assemble Gun	7 12	90	RW
612	Magnaflux Barrel Action		7-17-90	KP
	Magnaflux Bolt		7-17-90	KP
615	Rollmark Caliber		7-17-90	G.L.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel LB		7/24/90	LB
620	Apply Coatings (Barrel Action)		7/26/90	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/28/90	JY

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	5	5	5		8/28/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4		8/28/90	WB
	H) Trigger Pull Test & Retainability					8/28/90	GL
	I) Firing Pin Indent	.0225	.0225	.0225		8/28/90	WB
	J) Assemble Stock					8/31/90	RW
	K) Assemble Swivel Studs					9/5/90	JS
	L) Attach Front and Rear Sight Assemblies					8/31/90	RW
	M) Iron Sight Alignment					8/31/90	RW
	N) Detach Front & Rear Sights & place in numbered container					8/31/90	RW
	O) Attach Scope to Rifle					8/31/90	RW
	P) Detach & Attach Scope 20 Times					8/31/90	RW
640	Gallery Target & Test					8-31-90	JH
	A) Time					8-31-90	DH
	B) Malfunctions					8-31-90	DH
	C) Pierced Primers					8-31-90	DH
	D) Optical Clarity of Scope					8-31-90	DH
645	Inspect for Live Ammo					8-31-90	DH
655	Final Inspection						
	A) Headspace					9/5/90	JS
	B) Trigger Pull	2.07	2.10	2.15	2.07 2.10	9-4-90	GL
	C) Function					9/5/90	JS
660	Pack					9-18-90	JS