

C6349056

MODEL 700™ M24

Model SMS™

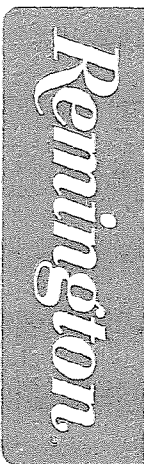
Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349066.___0
FILE DATE AND TIME: 11/22/2005 22:24

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:	-0.049
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.665
The Distance from POA to Centroid Target #1:	0.142
The Distance from Centroid Target #2 to Centroid Target #1:	0.485
The Distance from Centroid Target #3 to Centroid Target #1:	0.229
The Distance from Centroid Target #4 to Centroid Target #1:	0.117
The Distance from Centroid Target #5 to Centroid Target #1:	0.365

SERIAL NUMBER: C6349066. __0

TARGET NUMBER: 1

FILE DATE: 11/22/2005

FILE TIME: 22:24

POINT#	X	Y
1:	-0.037	-0.313
2:	0.109	-0.493
3:	0.443	-0.146
4:	-0.161	-0.756
5:	-0.121	-1.117
6:	-0.629	0.093
7:	-0.647	0.272
8:	-0.630	0.528
9:	0.202	0.847
10:	0.146	0.571

X CENTROID: -0.132

Y CENTROID: -0.051

POA TO CENTROID: 0.142

HORZ SPREAD: 1.090

VERT SPREAD: 1.964

GROUP SPREAD: 1.990

MIN RADIUS: 0.278

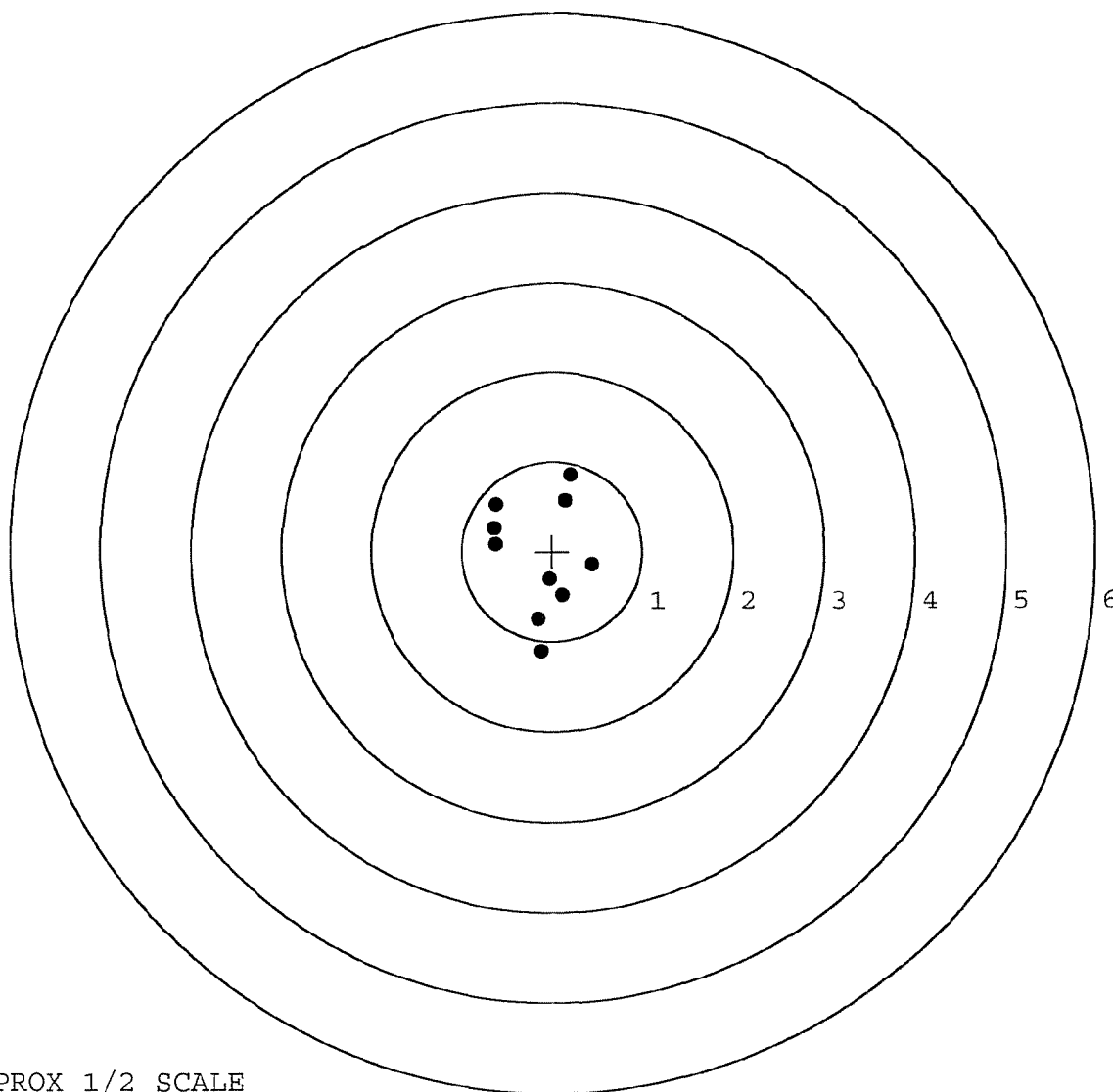
MAX RADIUS: 1.066

MEAN RADIUS: 0.666

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349066. 0

TARGET NUMBER: 2

FILE DATE: 11/22/2005

FILE TIME: 22:24

POINT#	X	Y
1:	-0.178	0.045
2:	-0.561	-0.072
3:	-0.599	-0.419
4:	-0.043	0.640
5:	0.254	0.411
6:	0.692	0.250
7:	0.115	-0.654
8:	1.165	-0.664
9:	1.349	-1.253
10:	0.464	-1.570

X CENTROID: 0.266

Y CENTROID: -0.329

POA TO CENTROID: 0.423

HORZ SPREAD: 1.948

VERT SPREAD: 2.210

GROUP SPREAD: 2.350

MIN RADIUS: 0.359

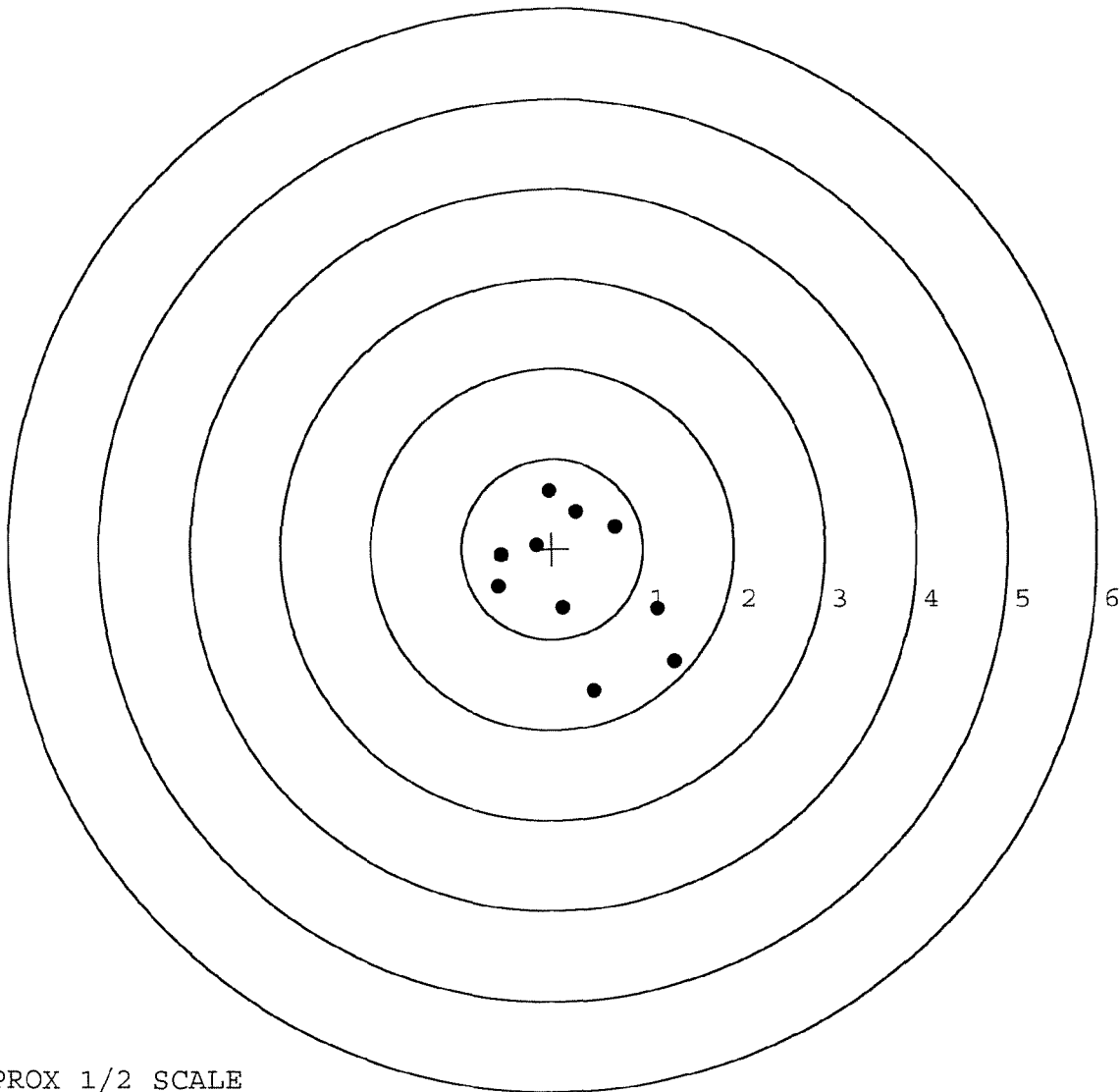
MAX RADIUS: 1.424

MEAN RADIUS: 0.879

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

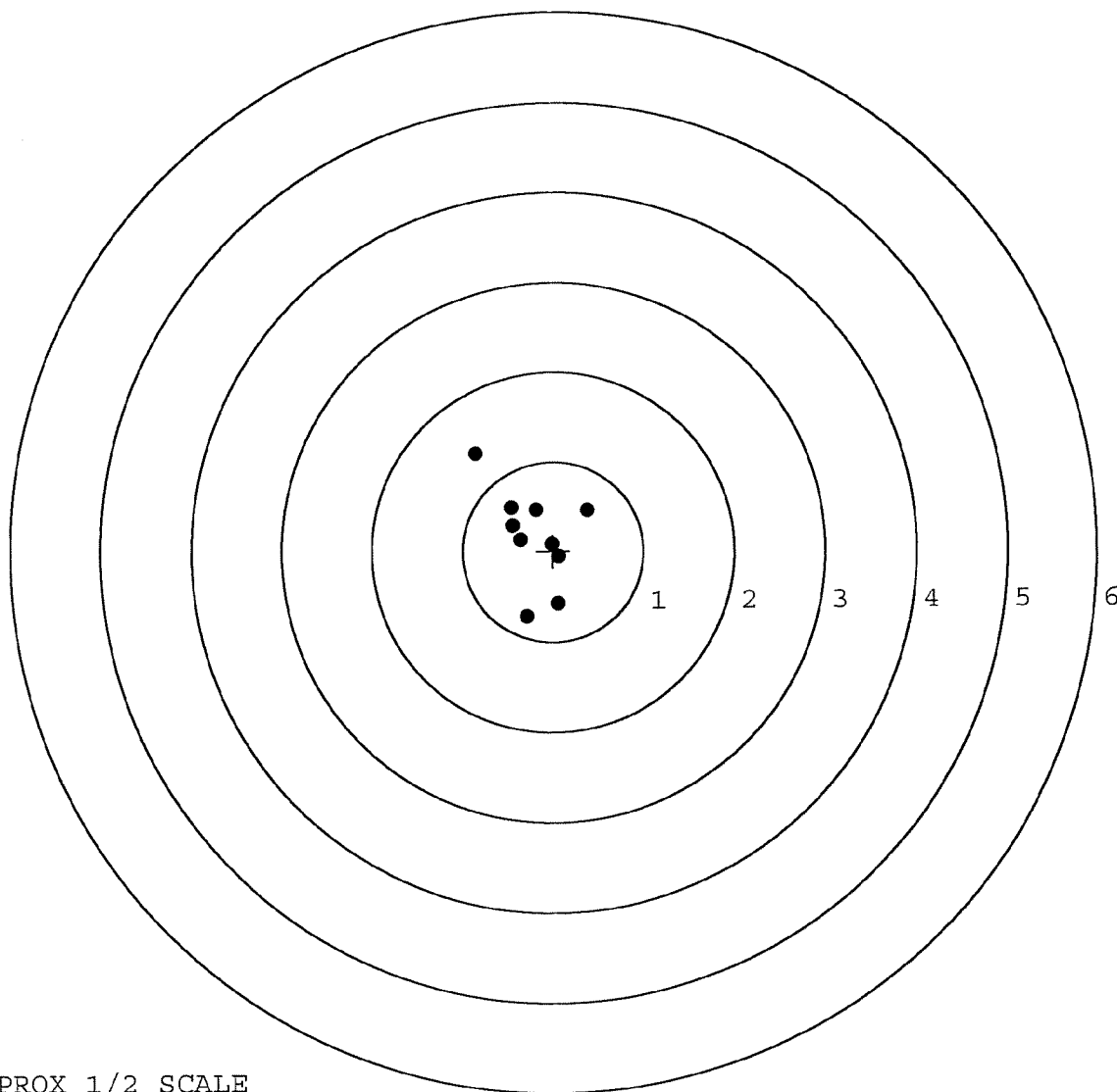


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349066. 0
 TARGET NUMBER: 3
 FILE DATE: 11/22/2005
 FILE TIME: 22:24

POINT#	X	Y
1:	0.059	-0.582
2:	-0.296	-0.725
3:	0.063	-0.065
4:	-0.014	0.079
5:	0.381	0.456
6:	-0.189	0.463
7:	-0.464	0.488
8:	-0.449	0.293
9:	-0.366	0.132
10:	-0.848	1.097

X CENTROID: -0.212
 Y CENTROID: 0.164
 POA TO CENTROID: 0.268
 HORZ SPREAD: 1.229
 VERT SPREAD: 1.822
 GROUP SPREAD: 1.908
 MIN RADIUS: 0.157
 MAX RADIUS: 1.129
 MEAN RADIUS: 0.519
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349066. __0

TARGET NUMBER: 4

FILE DATE: 11/22/2005

FILE TIME: 22:24

POINT#	X	Y
1:	-0.079	0.407
2:	-0.264	0.480
3:	-0.325	-0.010
4:	-0.182	-0.289
5:	-0.013	-0.443
6:	0.288	-0.641
7:	0.692	-0.563
8:	-1.004	0.794
9:	-0.246	0.465
10:	0.007	0.441

X CENTROID: -0.113

Y CENTROID: 0.064

POA TO CENTROID: 0.130

HORZ SPREAD: 1.696

VERT SPREAD: 1.435

GROUP SPREAD: 2.172

MIN RADIUS: 0.225

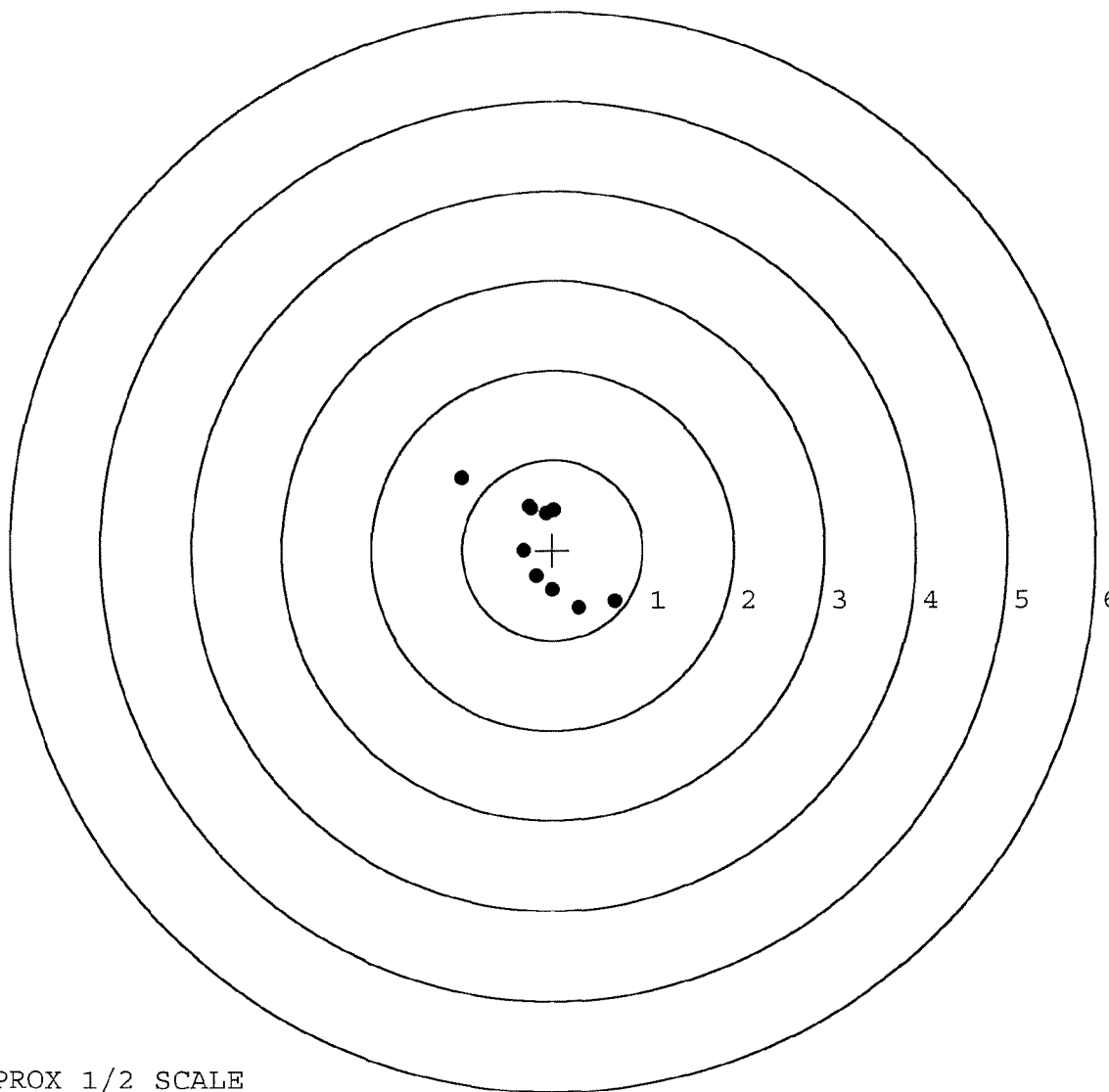
MAX RADIUS: 1.152

MEAN RADIUS: 0.569

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

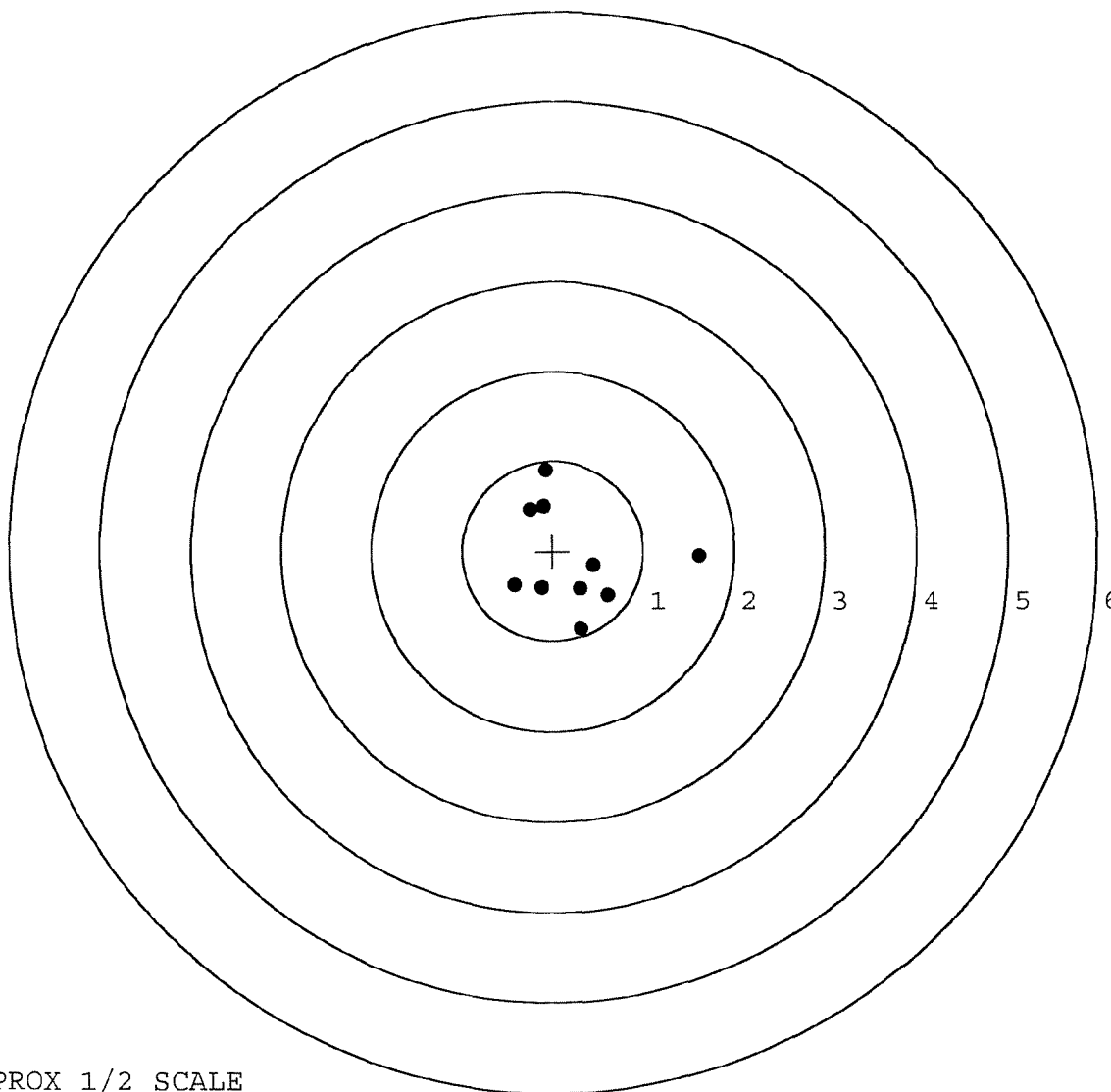
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0107044

SERIAL NUMBER: C6349066. __0	POINT#	X	Y
TARGET NUMBER: 5	1:	0.305	-0.424
FILE DATE: 11/22/2005	2:	0.613	-0.491
FILE TIME: 22:24	3:	0.308	-0.871
	4:	-0.120	-0.408
X CENTROID: 0.230	5:	-0.425	-0.376
Y CENTROID: -0.093	6:	-0.259	0.461
POA TO CENTROID: 0.248	7:	-0.109	0.495
HORZ SPREAD: 2.045	8:	-0.080	0.898
VERT SPREAD: 1.769	9:	1.620	-0.059
GROUP SPREAD: 2.069	10:	0.450	-0.155
MIN RADIUS: 0.228			
MAX RADIUS: 1.390			
MEAN RADIUS: 0.693			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102799		
SERIAL NUMBER	CAMP SH-2BY C 6349066		
LOG-IN DATE	10-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-02-05	AC
560 A	RE-BARREL	11-7-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNAFLUX OPERATOR	11-15-05	unib
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11-16-05	HP
625 A	FINAL ASSEMBLY	11-17-05	BL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	11-23-05	AC
D	SAFETY "OFF" FORCE	11-23-05	AC
E	FIRING PIN INDENT	11-23-05	AC
640	TARGET	11-23-05	nm
655	FINAL INSPECT	11-23-05	AC
660	PACK	12-2-05	DN
		SHIP DATE	
		QAR INSPECTION DATE	



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

MODEL 700TM H24

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

01

SERIAL NO.
C6349066

ORDER NO.
5716

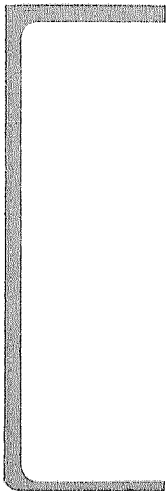


5716 C6349066

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349066

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	RW
607	Check Headspace	1 12	90	RW
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber	1-17-90		68
617	Drill and Tap Sight Holes	1-19-90		FB
618	Polish Barrel RWB	1-22-90		WB
620	Apply Coatings (Barrel Action)		1-23-90	WB
	Apply Coating (Bolt)		1-23-90	WB
625	Final Assembly A) Clean inside of Bolt Assembly		1-24-90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1-24-90	RW
	C) Inspect Ejector Hole for Chamfer		1-24-90	RW
	D) Oil Firing Pin Ass'y		1-24-90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		31 Jan 91	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1-31-90	gk
	G) Safety Off Force	3	3	3			1-31-90	gk
	H) Trigger Pull Test & Retainability						3/1/90	gk
	I) Firing Pin Indent	.0205	.0215	.0215			1-31-90	gk
	J) Assemble Stock						2/27/90	RW
	K) Assemble Swivel Studs						3/15/90	WB
	L) Attach Front and Rear Sight Assemblies						2/27/90	RW
	M) Iron Sight Alignment						2/27/90	RW
	N) Detach Front & Rear Sights & place in numbered container						2/27/90	RW
	O) Attach Scope to Rifle						2/28/90	WB
	P) Detach & Attach Scope 20 Times						2/28/90	WB
640	Gallery Target & Test						3-1-90	JES
	A) Time							Temporary
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace						16 Mar 90	gk
	B) Trigger Pull	2.73	2.74	2.67	2.72	2.76	16 Mar 90	gk
	C) Function						16 Mar 90	gk
660	Pack						19 Mar 90	gk

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6349066DATE 31 Jan 90TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.72	2.64	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.53	2.31	2.74	
PULL #3	2.38	2.38	2.24	2.67	
PULL #4	2.33	2.41	2.37	2.72	
PULL #5	2.56	2.43	2.32	2.76	
TOTAL	12.19	12.47	11.88	13.62	
AVG.	2.438	2.494	2.376	2.724	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.99	2.98		
PULL #2	3.04	3.04		
PULL #3	3.02	3.00		
PULL #4	2.94	2.91		
PULL #5	3.03	2.87		
TOTAL	15.02	14.80		
AVG.	3.004	2.96		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.09		3.93
PULL #2	4.19	4.12		3.85
PULL #3	4.20	4.06		4.00
PULL #4	4.16	4.10		3.94
PULL #5	4.21	4.08		3.94
TOTAL	20.90	20.45		19.66
AVG.	4.18	4.09		3.932

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349066
1 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.283558
1 TO	2	.53217
1 TO	3	.553206
1 TO	4	.280508
1 TO	5	.304385

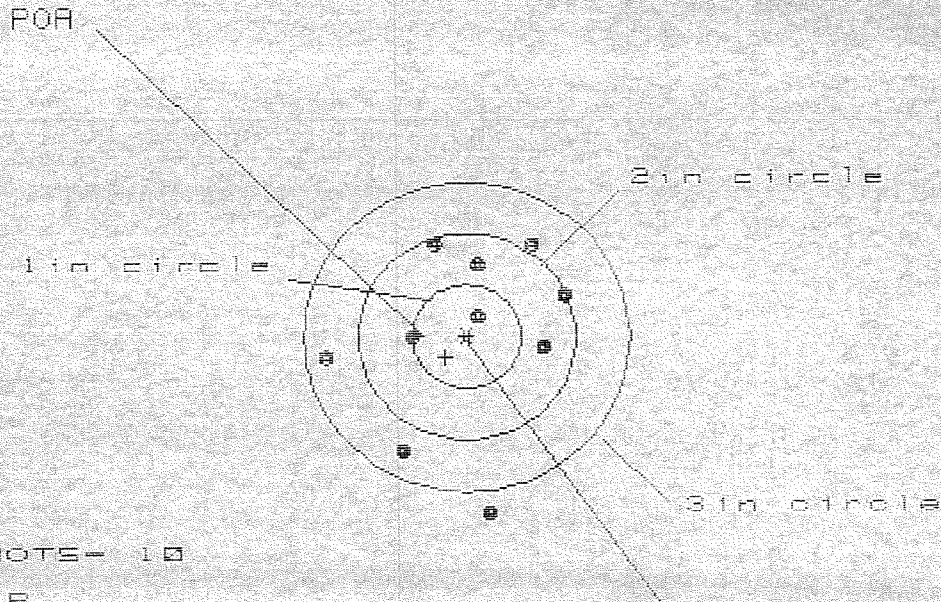
5
4
3
2
1
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1014
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0234
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .104065
THE AMR FOR THIS RIFLE IS: 1.045

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06345066

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS = 2.245

VS = 2.566

CS = 2.609

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.930

.953

.791

MINIMUM X

-1.315

-1.292

-.712

MAXIMUM Y

.874

.686

.638

MINIMUM Y

-1.692

-1.313

-1.361

CENTROID X

.199

.176

.338

CENTROID Y

.202

.390

.438

POA TO CENTROID in.

.283

.428

.553

MIN RADIUS

.202

.137

.074

MEAN RADIUS

.948

.825

.731

MAX RADIUS

1.704

1.424

1.536

HORIZONTAL SPREAD

2.245

2.245

1.503

VERTICAL SPREAD

2.566

1.999

1.999

EXTREME SPREAD

2.609

2.334

2.323

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

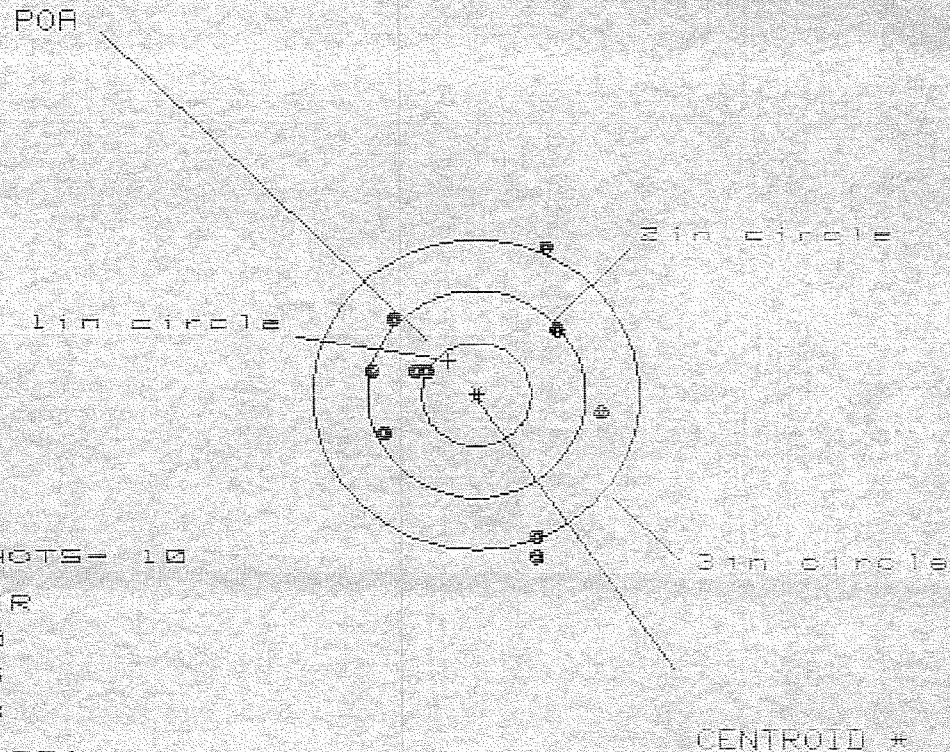
NUMBER IN THREE INCH CIRCLE =

9

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349086

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.021

VS= 3.065

GS= 3.068

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.138	1.198	1.291
MINIMUM X	:	-.933	-.873	-.780
MAXIMUM Y	:	1.473	1.296	.752
MINIMUM Y	:	-1.592	-1.568	-1.406
CENTROID X	:	.257	.197	.104
CENTROID Y	:	-.327	-.150	-.312
POA TO CENTROID in.	:	.416	.248	.329
MIN RADIUS	:	.532	.426	.390
MEAN RADIUS	:	1.095	.993	.913
MAX RADIUS	:	1.681	1.662	1.547
HORIZONTAL SPREAD	:	2.071	2.071	2.071
VERTICAL SPREAD	:	3.065	2.864	2.158
EXTREME SPREAD	:	3.068	2.870	2.496
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/083490068

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.824

VS = 2.132

GS = 2.994

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.579	1.334	1.427
MINIMUM X	:	-1.246	-1.070	-.977
MAXIMUM Y	:	.748	.721	.544
MINIMUM Y	:	-1.384	-1.411	-1.323
CENTROID X	:	-.242	-.418	-.511
CENTROID Y	:	-.132	-.105	.072
POA TO CENTROID in.	:	.276	.431	.516
MIN RADIUS	:	.424	.334	.158
MEAN RADIUS	:	1.064	.977	.849
MAX RADIUS	:	1.598	1.597	1.460
HORIZONTAL SPREAD	:	2.824	2.404	2.404
VERTICAL SPREAD	:	2.132	2.132	1.867
EXTREME SPREAD	:	2.994	2.802	2.551
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349066

CENTERFIRE PATTERNS

4

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.872

VS= 1.905

GS= 3.235

CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.282	1.106	.890
MINIMUM X	:	-1.590	-1.996	-.958
MAXIMUM Y	:	.996	1.060	.955
MINIMUM Y	:	-.909	-.845	-.732
CENTROID X	:	.285	.461	.323
CENTROID Y	:	-.065	-.129	-.024
POB TO CENTROID in.	:	.292	.479	.324
MIN RADIUS	:	.192	.380	.317
MEAN RADIUS	:	.964	.887	.799
MAX RADIUS	:	1.692	1.391	1.128
HORIZONTAL SPREAD	:	2.872	2.102	1.738
VERTICAL SPREAD	:	1.905	1.905	1.687
EXTREME SPREAD	:	3.235	2.204	2.204
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349066

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 3.151

VS= 2.412

GS= 3.369

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.573	1.057	.882
MINIMUM X	:	-1.578	-1.404	-1.045
MAXIMUM Y	:	1.433	1.357	1.410
MINIMUM Y	:	-.978	-1.055	-1.002
CENTROID X	:	.008	-.166	.009
CENTROID Y	:	.439	.516	.463
POA TO CENTROID in.	:	.440	.542	.463
MIN RADIUS	:	.527	.706	.534
MEAN RADIUS	:	1.155	1.100	1.025
MAX RADIUS	:	1.718	1.466	1.448
HORIZONTAL SPREAD	:	3.151	2.461	1.927
VERTICAL SPREAD	:	2.412	2.412	2.412
EXTREME SPREAD	:	3.369	2.756	2.756
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		