

C6225528

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225528.___0
FILE DATE AND TIME: 08/06/2002 13:48

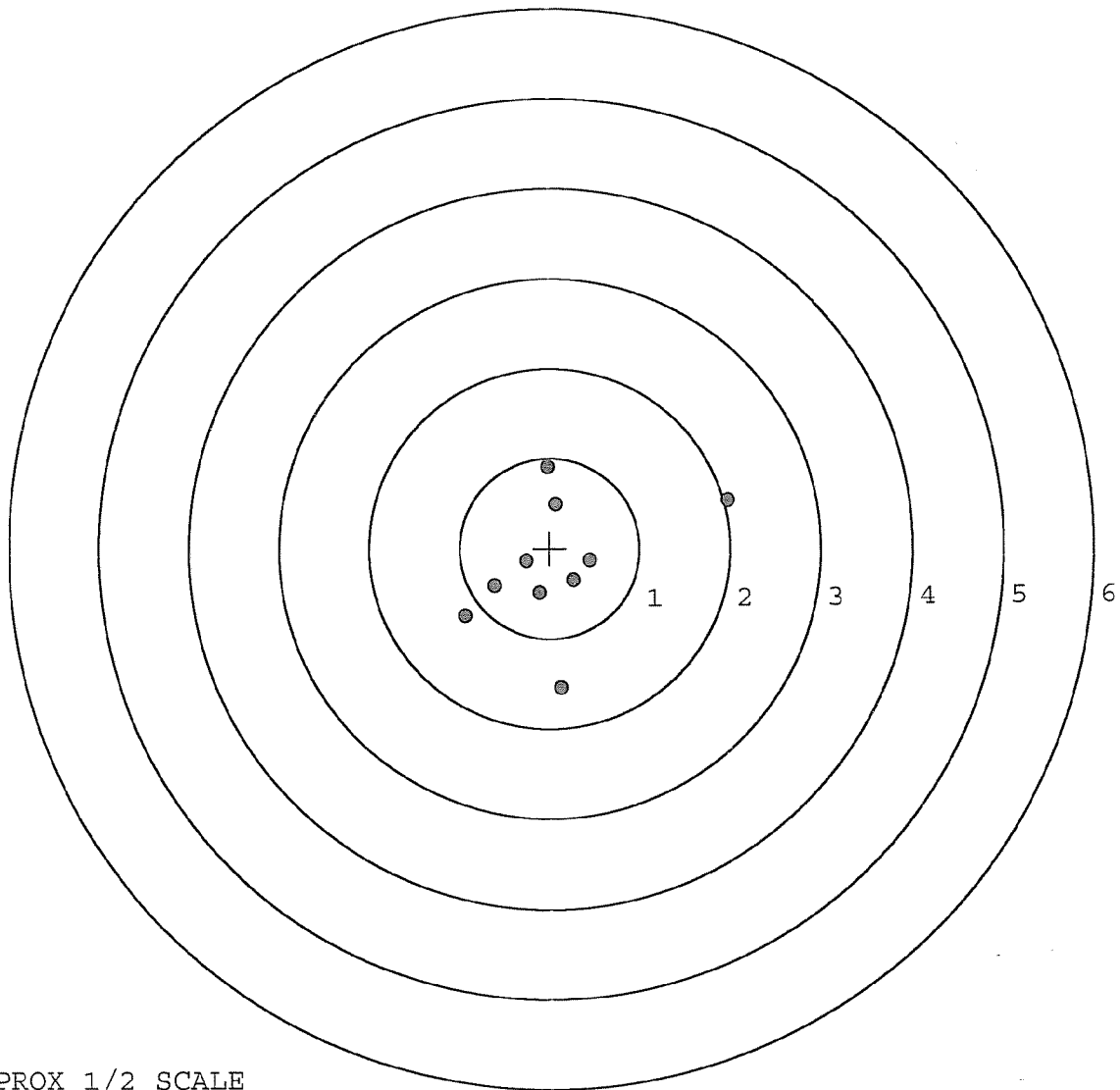
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.068
The Average Y Centroid of the Five Target Set:	-0.016
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.755
The Distance from POA to Centroid Target #1:	0.214
The Distance from Centroid Target #2 to Centroid Target #1:	0.531
The Distance from Centroid Target #3 to Centroid Target #1:	0.084
The Distance from Centroid Target #4 to Centroid Target #1:	0.154
The Distance from Centroid Target #5 to Centroid Target #1:	0.235

SERIAL NUMBER: C6225528. __0
TARGET NUMBER: 1
FILE DATE: 08/06/2002
FILE TIME: 13:48

X CENTROID: 0.092
Y CENTROID: -0.193
POA TO CENTROID: 0.214
HORZ SPREAD: 2.921
VERT SPREAD: 2.453
GROUP SPREAD: 3.190
MIN RADIUS: 0.235
MAX RADIUS: 2.020
MEAN RADIUS: 0.841
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.124	-1.548
2:	1.978	0.530
3:	-0.023	0.905
4:	0.072	0.491
5:	0.451	-0.140
6:	0.263	-0.354
7:	-0.263	-0.143
8:	-0.119	-0.498
9:	-0.619	-0.418
10:	-0.943	-0.752

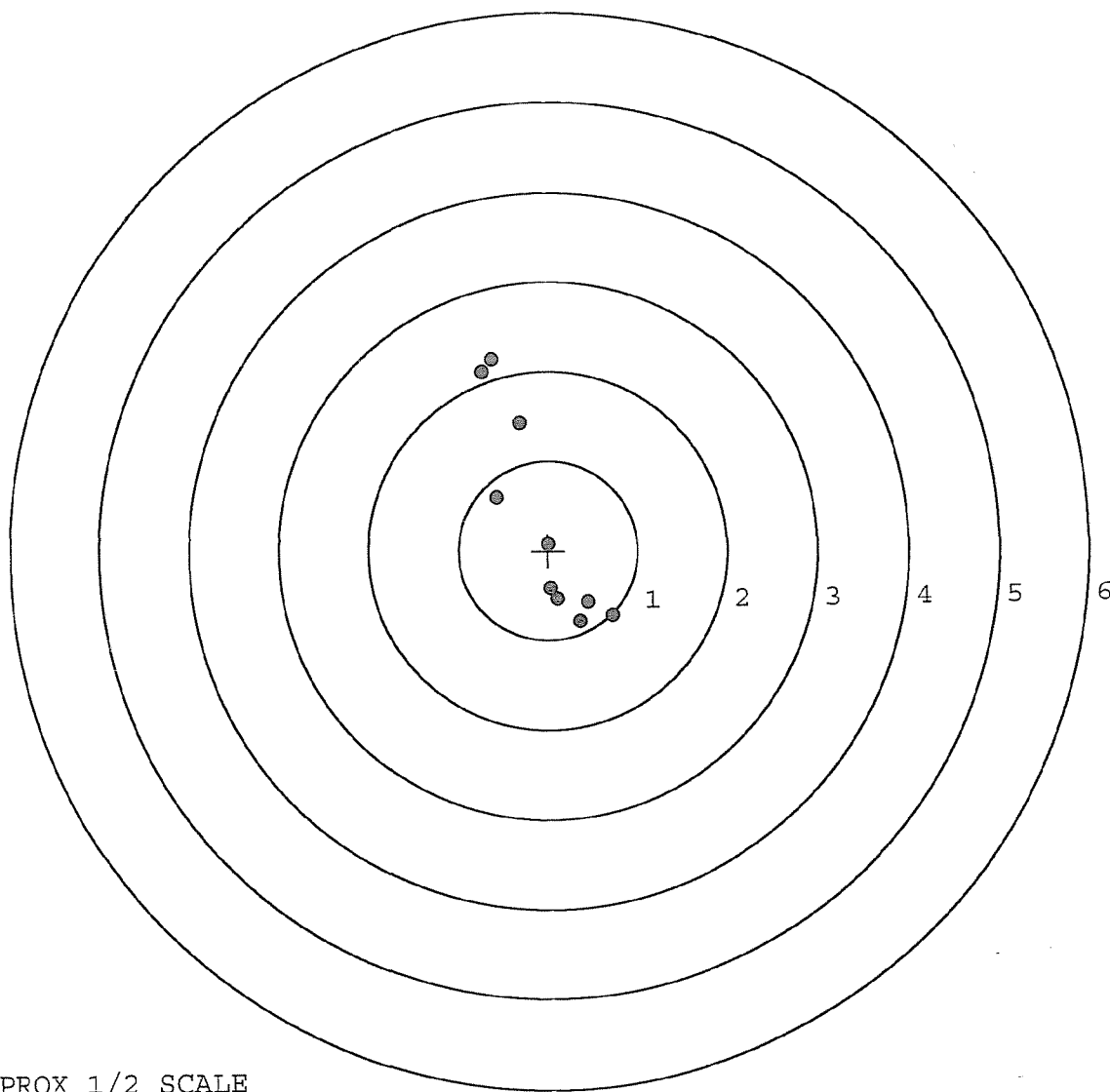


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225528.___0
TARGET NUMBER: 2
FILE DATE: 08/06/2002
FILE TIME: 13:48

X CENTROID: -0.056
Y CENTROID: 0.317
POA TO CENTROID: 0.322
HORZ SPREAD: 1.444
VERT SPREAD: 2.935
GROUP SPREAD: 3.168
MIN RADIUS: 0.245
MAX RADIUS: 1.907
MEAN RADIUS: 1.080
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.616	2.140
2:	-0.726	1.996
3:	-0.308	1.425
4:	-0.560	0.598
5:	0.001	0.078
6:	0.718	-0.733
7:	0.357	-0.795
8:	0.441	-0.576
9:	0.104	-0.543
10:	0.030	-0.422

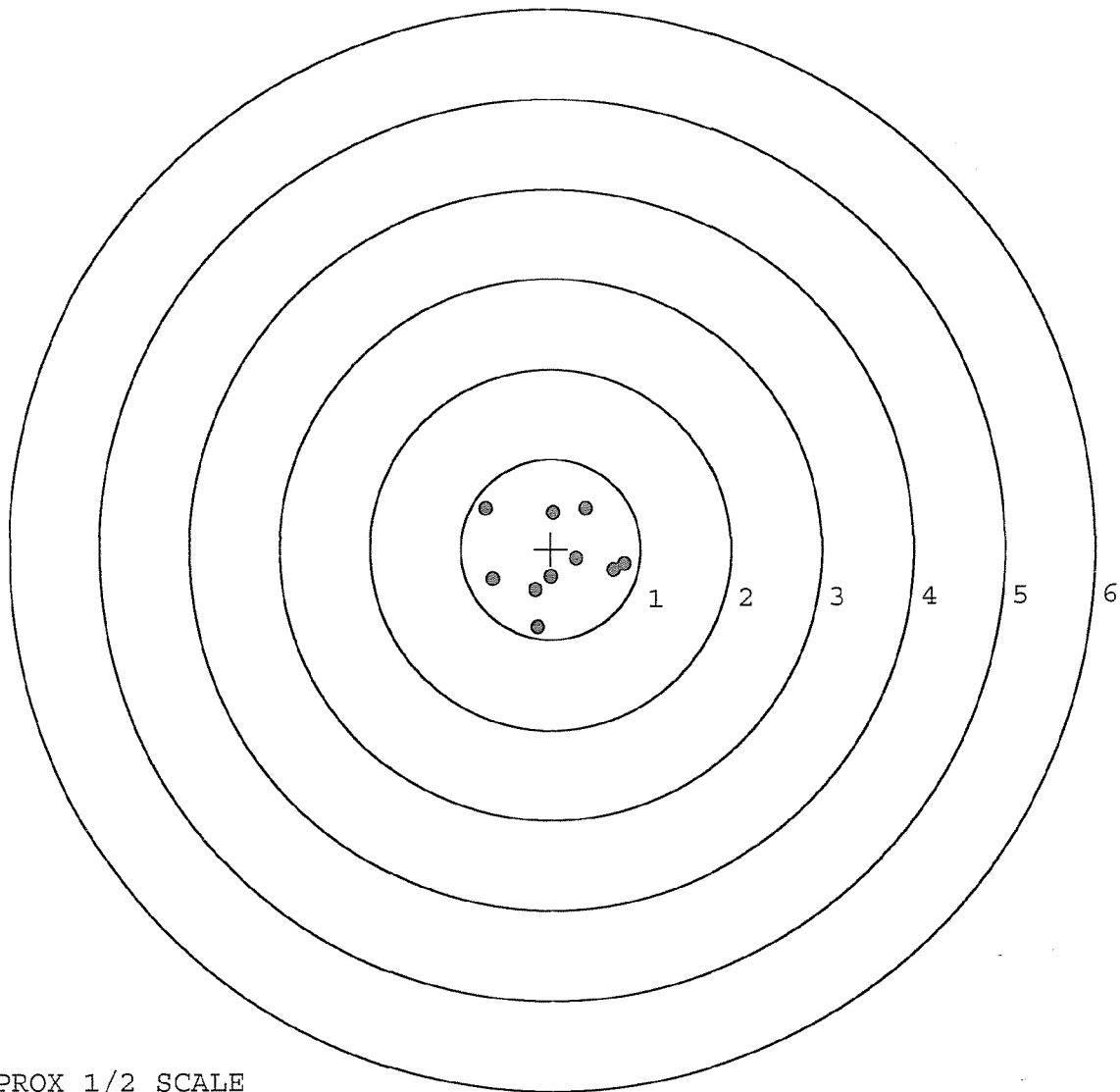


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225528.___0
TARGET NUMBER: 3
FILE DATE: 08/06/2002
FILE TIME: 13:48

X CENTROID: 0.053
Y CENTROID: -0.118
POA TO CENTROID: 0.129
HORZ SPREAD: 1.535
VERT SPREAD: 1.323
GROUP SPREAD: 1.655
MIN RADIUS: 0.202
MAX RADIUS: 0.958
MEAN RADIUS: 0.592
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.150	-0.872
2:	-0.651	-0.335
3:	-0.179	-0.455
4:	-0.718	0.451
5:	0.034	0.403
6:	0.398	0.451
7:	0.817	-0.169
8:	0.695	-0.234
9:	0.282	-0.108
10:	-0.001	-0.313

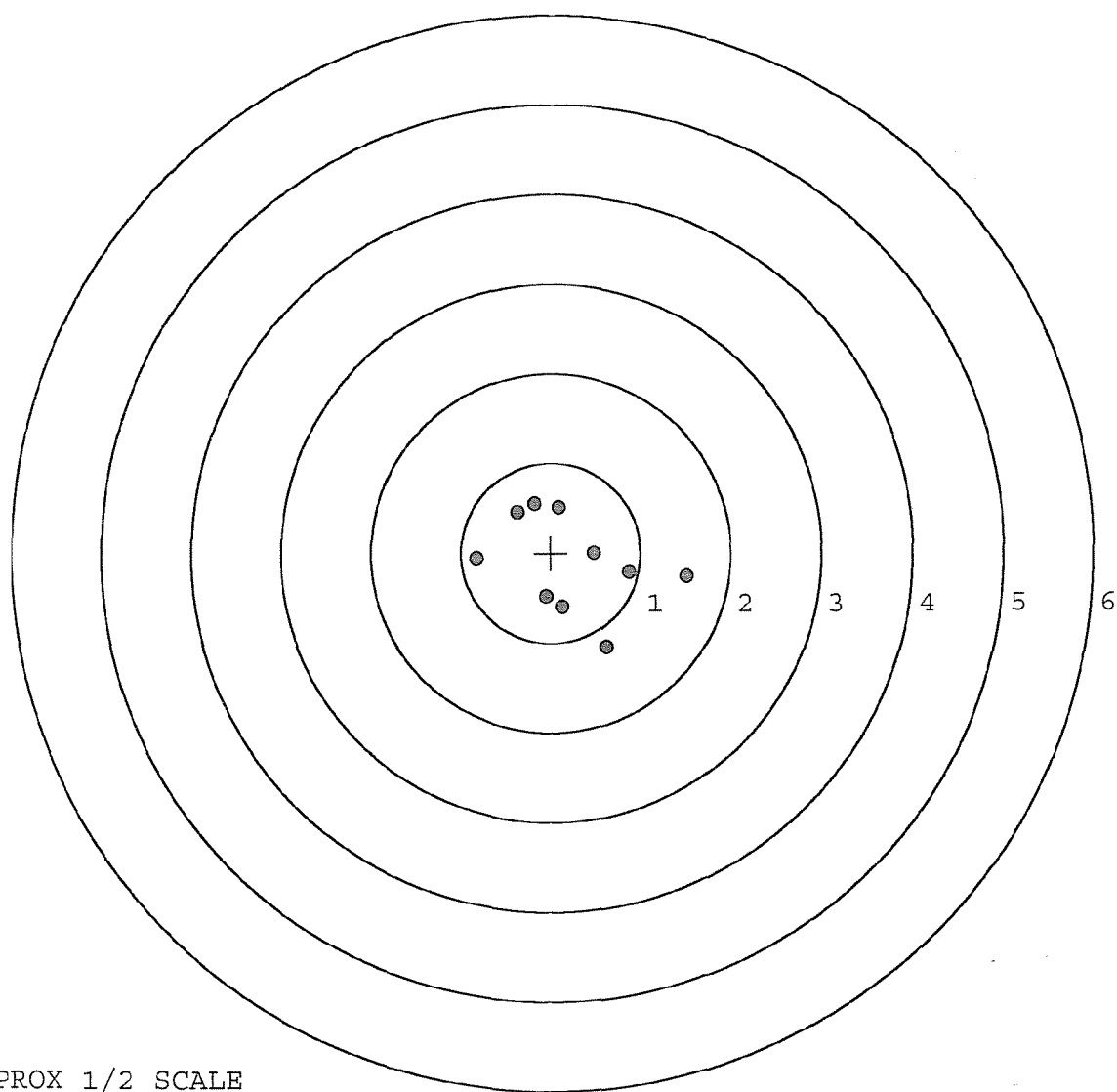


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225528. __0
TARGET NUMBER: 4
FILE DATE: 08/06/2002
FILE TIME: 13:48

POINT#	X	Y
1:	1.517	-0.255
2:	0.875	-0.207
3:	0.482	-0.001
4:	0.086	0.503
5:	-0.187	0.544
6:	-0.380	0.452
7:	-0.828	-0.071
8:	-0.055	-0.493
9:	0.133	-0.601
10:	0.625	-1.044

X CENTROID: 0.227
Y CENTROID: -0.117
POA TO CENTROID: 0.255
HORZ SPREAD: 2.345
VERT SPREAD: 1.588
GROUP SPREAD: 2.352
MIN RADIUS: 0.280
MAX RADIUS: 1.298
MEAN RADIUS: 0.751
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

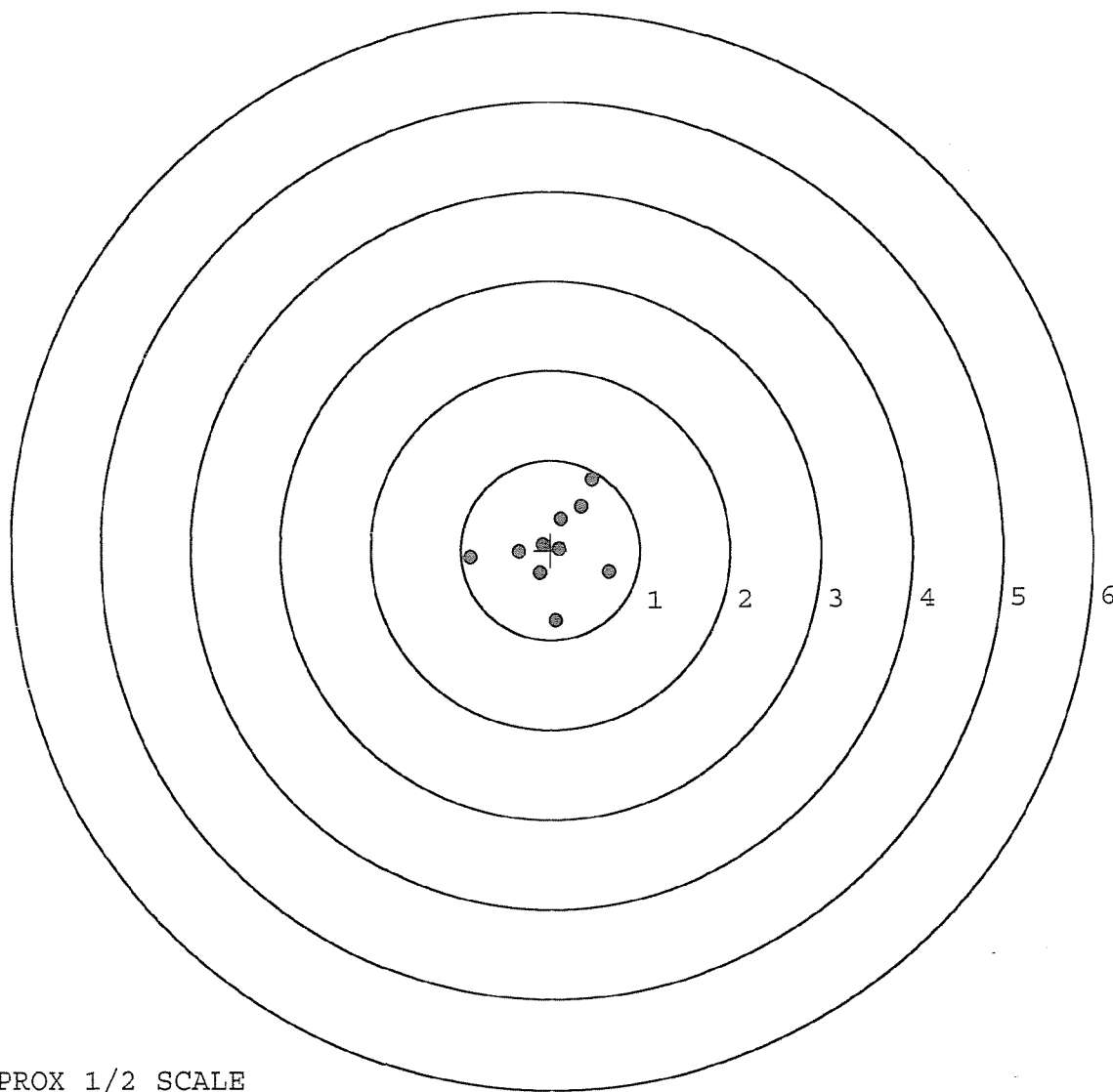


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225528. __0
TARGET NUMBER: 5
FILE DATE: 08/06/2002
FILE TIME: 13:48

POINT#	X	Y
1:	0.057	-0.789
2:	0.649	-0.241
3:	0.463	0.788
4:	0.351	0.493
5:	0.124	0.351
6:	-0.900	-0.081
7:	-0.125	-0.254
8:	-0.357	-0.021
9:	-0.093	0.066
10:	0.095	0.017

X CENTROID: 0.026
Y CENTROID: 0.033
POA TO CENTROID: 0.042
HORZ SPREAD: 1.549
VERT SPREAD: 1.577
GROUP SPREAD: 1.616
MIN RADIUS: 0.070
MAX RADIUS: 0.933
MEAN RADIUS: 0.511
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: 0225528

DATE REC'D: 7/12/02

DATE RET'D: 8/5/02

Auditor: [Signature]

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ Scope☒ Scope Rings☒ Mounting Screws☒ Mounting Base☒ Screws☒ Finish☒ Looseness☒ CLARITY

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☒ Scope Case☒ Iron SIGHTS☒ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49184		
SERIAL NUMBER	C 622 5528		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/12/02	PL
560 A	RE-BARREL	7/12/02	RA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/20/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX	
615	ROLLMARK CALIBER	INSPECTED 7/23/02	TD
618	ROTO-BLAST	JUL 23 2002 7/23/02	KO
620	APPLY COATINGS	OPERATOR 7-26	TA
625 A	FINAL ASSEMBLY	8-2-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	AC
655	FINAL INSPECT	8/6/02	RL
660	PACK	8-6-02	RA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225528

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT 4 21	89	RW
600	Proof		89	RW
607	Check Headspace		89	RW
610	Dis-assemble Gun		89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCK
615	Rollmark Caliber		4/27	GL
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5-8-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/89	RW
	C) Inspect Ejector Hole for Chamfer		5/10/89	RW
	D) Oil Firing Pin Ass'y		5/10/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/17/89	GB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	7	7	7	5/17/89	94
	G) Safety Off Force	3	3	3	5/17/89	94
	H) Trigger Pull Test & Retainability				5/17/89	LS
	I) Firing Pin Indent	.021.5	.021	.022	5/17/89	94
	J) Assemble Stock				5/17/89	RW
	K) Assemble Swivel Studs				18 May 89	LS
	L) Attach Front and Rear Sight Assemblies				5/17/89	RW
	M) Iron Sight Alignment				5/17/89	RW
	N) Detach Front & Rear Sights & place in numbered container				5/17/89	RW
	O) Attach Scope to Rifle				5/17/89	94
	P) Detach & Attach Scope 20 Times				5/18/89	94
640	Gallery Target & Test	48 R	105 L		5/18/89	DH
	A) Time				5/18/89	DH
	B) Malfunctions				5/18/89	DH
	C) Pierced Primers				5/18/89	DH
	D) Optical Clarity of Scope				5/18/89	DH
645	Inspect for Live Ammo				5/18/89	DH
655	Final Inspection					
	A) Headspace				18 May 89	LS
	B) Trigger Pull	2.07	2.25	2.24	18 May 89	LS
	C) Function				18 May 89	LS
660	Pack				20 June 89	LS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225528
DATE 17 May 89
TESTER ES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.58	2.63	2.07	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.37	2.43	2.25	
PULL #3	2.24	2.12	2.27	2.24	
PULL #4	2.16	2.43	2.17	2.18	
PULL #5	2.52	2.23	2.26	2.13	
TOTAL	11.72	11.73	11.76	10.87	
AVG.	2.344	2.346	2.352	2.174	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.65		
PULL #2	3.36	3.60		
PULL #3	3.32	3.38		
PULL #4	3.21	3.05		
PULL #5	3.13	3.39		
TOTAL	16.60	17.07		
AVG.	3.32	3.414		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.25		4.48
PULL #2	4.05	4.26		4.31
PULL #3	4.44	4.31		4.28
PULL #4	4.29	4.16		4.37
PULL #5	3.95	4.42		4.62
TOTAL	20.93	21.40		22.06
AVG.	4.186	4.28		4.412

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE #: C6225528
18 May 1989

CENTROIDAL DISTANCES

0 TO 1	.756923
1 TO 2	.977221
1 TO 3	.284524
1 TO 4	.643467
1 TO 5	.67265

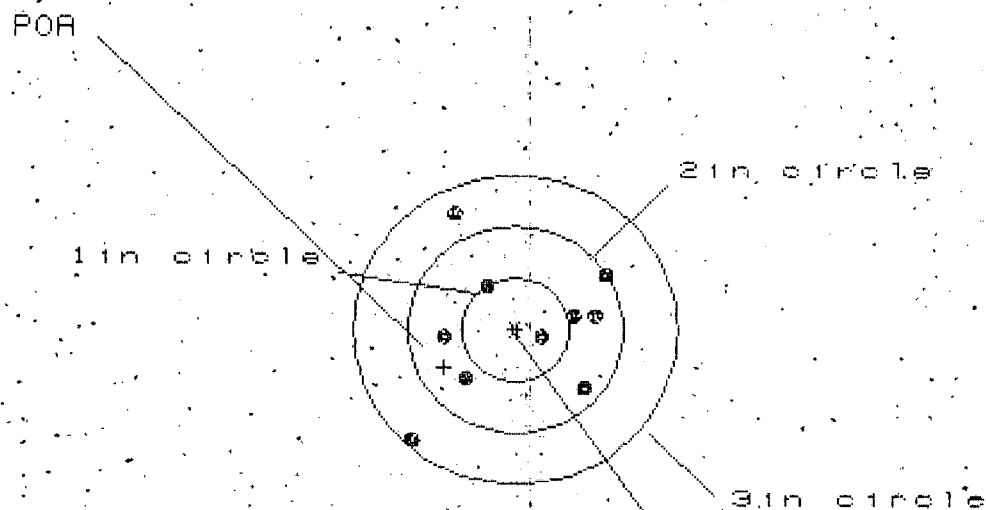
+ 3
2 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5542
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0958
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .562419
THE AMR FOR THIS RIFLE IS: .846

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.874

VS= 2.241

GS= 2.482

PATTERN #

1

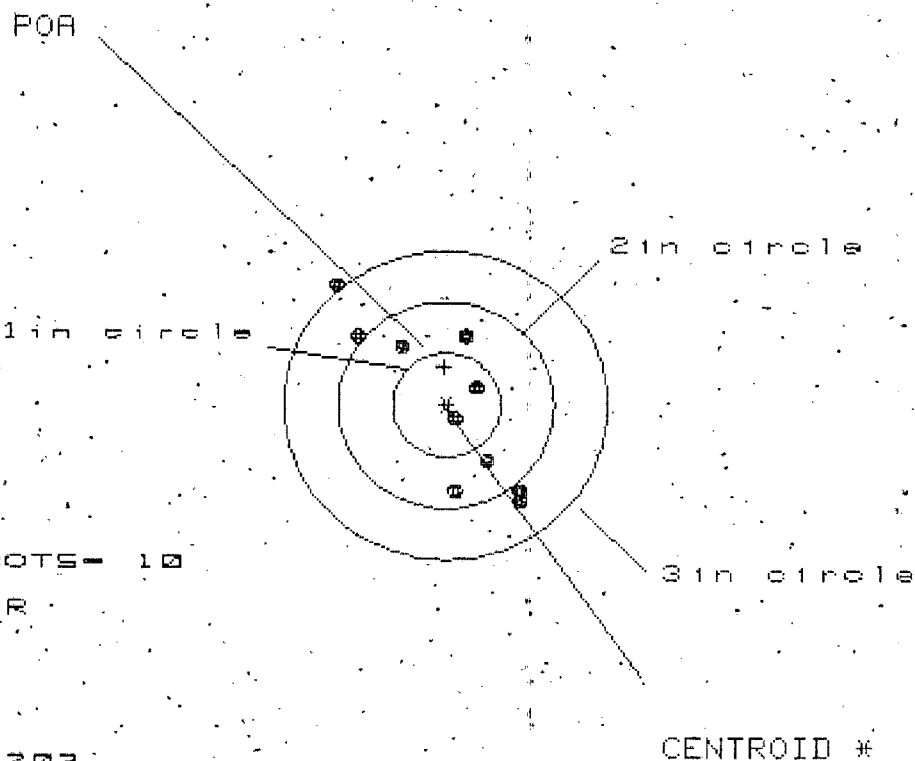
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.883	.773	.694
MINIMUM X	-.991	-.807	-.886
MAXIMUM Y	1.128	1.004	.516
MINIMUM Y	-1.113	-.681	-.555
CENTROID X	.662	.772	.851
CENTROID Y	.367	.491	.365
POA TO CENTROID in.	.757	.915	.926
MIN RADIUS	.214	.196	.049
MEAN RADIUS	.786	.688	.596
MAX RADIUS	1.490	1.185	.891
HORIZONTAL SPREAD	1.874	1.580	1.580
VERTICAL SPREAD	2.241	1.685	1.071
EXTREME SPREAD	2.482	2.041	1.694
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

IS = 1.703

VS = 2.088

GS = 2.694

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.651	.534	.591
MINIMUM X	:	-1.052	-.907	-.840
MAXIMUM Y	:	1.179	.812	.715
MINIMUM Y	:	-.909	-.778	-.830
CENTROID X	:	.018	.135	.068
CENTROID Y	:	-.368	-.499	-.402
POA TO CENTROID in.	:	.369	.517	.408
MIN RADIUS	:	.202	.055	.152
MEAN RADIUS	:	.822	.701	.680
MAX RADIUS	:	1.580	1.207	1.093
HORIZONTAL SPREAD	:	1.703	1.441	1.431
VERTICAL SPREAD	:	2.088	1.590	1.545
EXTREME SPREAD	:	2.694	2.135	2.075
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.656

VS= 2.352

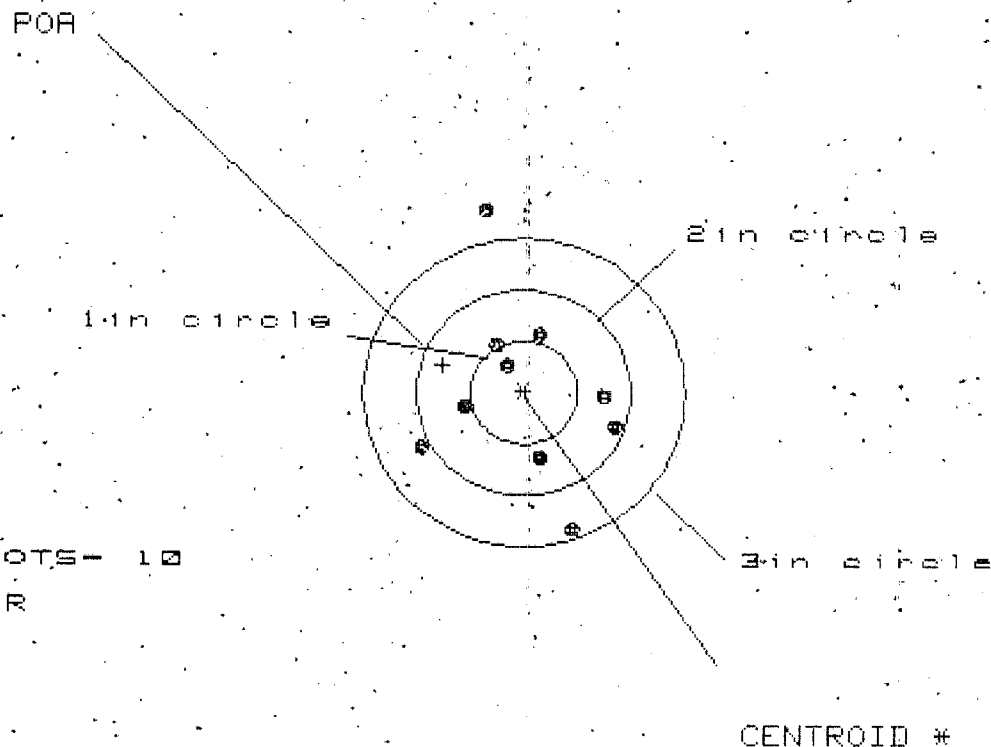
GS= 2.737

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.146	.978	1.029
MINIMUM X	-1.510	-1.100	-1.050
MAXIMUM Y	.940	.900	.718
MINIMUM Y	-1.412	-1.452	-1.204
CENTROID X	.589	.757	.707
CENTROID Y	.092	.132	.314
POA TO CENTROID in.	.596	.768	.773
MIN RADIUS	.127	.049	.209
MEAN RADIUS	.895	.802	.673
MAX RADIUS	1.553	1.507	1.597
HORIZONTAL SPREAD	2.656	2.078	2.078
VERTICAL SPREAD	2.352	2.352	1.922
EXTREME SPREAD	2.737	2.469	2.442
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 May 1989

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10
 # IN CIR
 1 in = 1
 2 in = 7
 3 in = 9
 HS= 1.738
 VS= 3.067
 GS= 3.172

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.805	.763	.812
MINIMUM X	-.933	-.975	-.926
MAXIMUM Y	1.736	.784	.641
MINIMUM Y	-1.331	-1.138	-.588
CENTROID X	.753	.795	.746
CENTROID Y	-.270	-.463	-.320
POA TO CENTROID, in.	.800	.920	.812
MIN RADIUS	.317	.464	.357
MEAN RADIUS	.861	.763	.683
MAX RADIUS	1.776	1.204	1.049
HORIZONTAL SPREAD	1.738	1.738	1.738
VERTICAL SPREAD	3.067	1.922	1.229
EXTREME SPREAD	3.172	1.942	1.776
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in 3

2 in 5

3 in 10

IS= 2.532

VS= 1.974

GS= 2.586

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.193	1.243	1.082
MINIMUM X	-1.339	-1.289	-1.354
MAXIMUM Y	1.363	.408	.396
MINIMUM Y	-.611	-.460	-.472
CENTROID X	.749	.699	.860
CENTROID Y	-.300	-.451	-.439
POA TO CENTROID in.	.806	.832	.965
MIN RADIUS	.270	.201	.289
MEAN RADIUS	.866	.788	.715
MAX RADIUS	1.435	1.326	1.410
HORIZONTAL SPREAD	2.532	2.532	2.436
VERTICAL SPREAD	1.974	.868	.868
EXTREME SPREAD	2.586	2.586	2.586
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	




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

MODEL 700™ H24

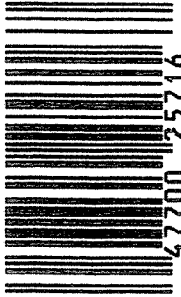
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SERIAL NO.
C6225528

ORDER NO.
5716

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