

C6522342

MODEL 700TM M24

Model **S&S** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington



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

MODEL 700™ H24	SERIAL NO. C6522342
	ORDER NO. 5716

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

01



5716 C6522342



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522342
22 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.454262
1 TO	2	.535019
1 TO	3	.564047
1 TO	4	.478724
1 TO	5	.486925

μ ←---POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0624
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.029
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0688096
THE AMR FOR THIS RIFLE IS: .9796

21 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522342

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.7000

VS= 3.684

GS= 4.044

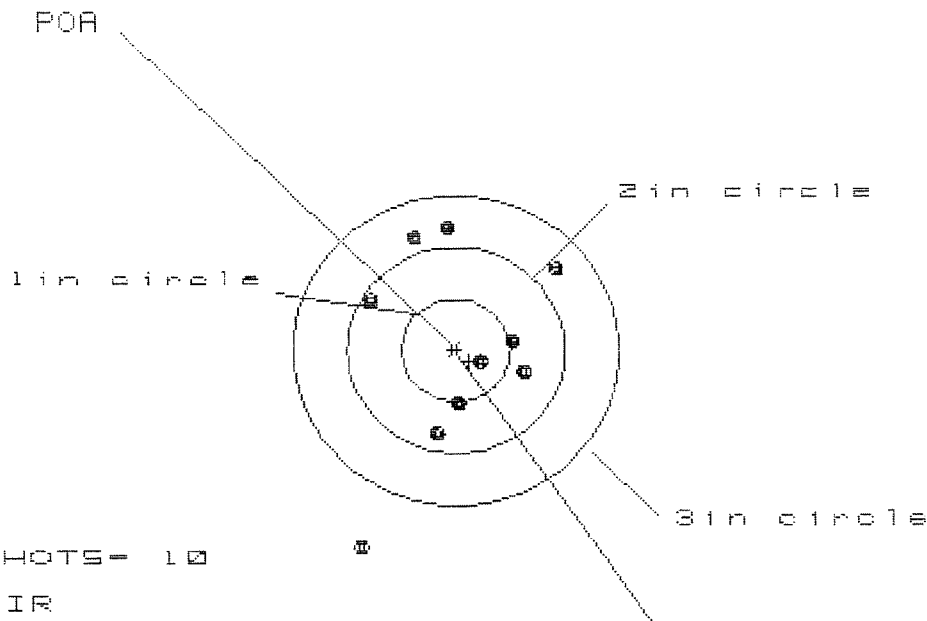
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.979	.788	.599
MINIMUM X	:	-1.721	-1.512	-.781
MAXIMUM Y	:	1.669	1.445	1.159
MINIMUM Y	:	-2.015	-1.527	-1.347
CENTROID X	:	-.155	.036	.225
CENTROID Y	:	-.427	-.203	-.383
POA TO CENTROID in.	:	.454	.206	.445
MIN RADIUS	:	.256	.076	.103
MEAN RADIUS	:	1.166	.918	.758
MAX RADIUS	:	2.650	2.091	1.474
HORIZONTAL SPREAD	:	2.700	2.300	1.380
VERTICAL SPREAD	:	3.684	2.972	2.505
EXTREME SPREAD	:	4.044	3.758	2.517
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.822

VS= 3.148

GS= 3.337

CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.934
MINIMUM X	-.888
MAXIMUM Y	1.193
MINIMUM Y	-1.955
CENTROID X	-.122
CENTROID Y	.107
POR TO CENTROID in.	.162
MIN RADIUS	.275
MEAN RADIUS	.941
MAX RADIUS	2.147
HORIZONTAL SPREAD	1.822
VERTICAL SPREAD	3.148
EXTREME SPREAD	3.337
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.896

VS= 3.006

GS= 3.265

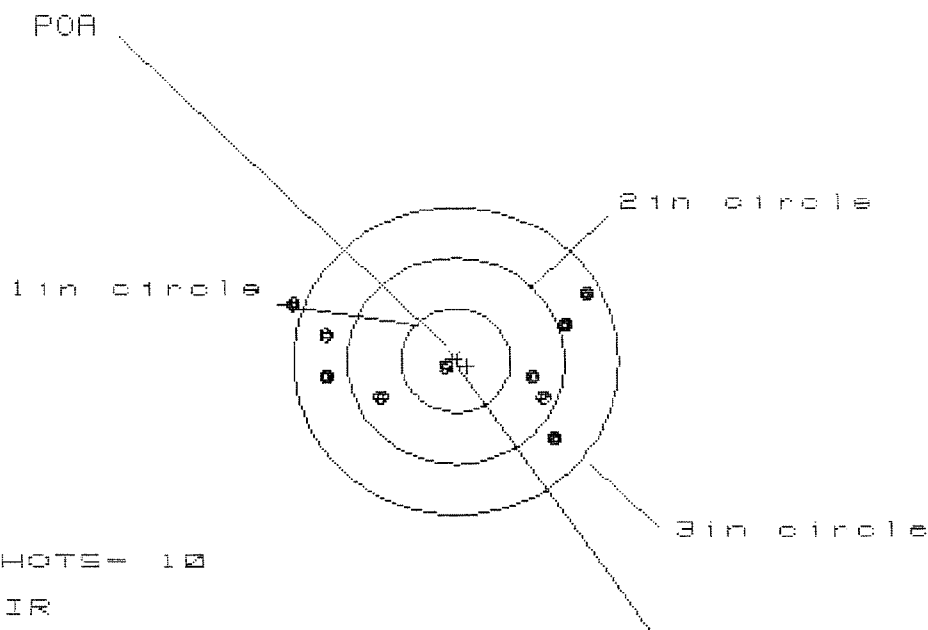
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.922	.813	.837
MINIMUM X	:	-.974	-.794	-.770
MAXIMUM Y	:	1.613	1.131	.979
MINIMUM Y	:	-1.393	-1.213	-.667
CENTROID X	:	.038	.147	.123
CENTROID Y	:	.103	-.077	.075
POA TO CENTROID in.	:	.110	.165	.144
MIN RADIUS	:	.137	.081	.073
MEAN RADIUS	:	.848	.693	.626
MAX RADIUS	:	1.885	1.334	1.194
HORIZONTAL SPREAD	:	1.896	1.607	1.607
VERTICAL SPREAD	:	3.006	2.344	1.646
EXTREME SPREAD	:	3.265	2.510	2.008
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HS = 2.719

VS = 1.357

GS = 2.743

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.243	1.079	.990
MINIMUM X	:	-1.476	-1.388	-1.253
MAXIMUM Y	:	.656	.722	.471
MINIMUM Y	:	-.701	-.635	-.544
CENTROID X	:	-.104	.060	-.075
CENTROID Y	:	.049	-.017	-.107
POA TO CENTROID in.	:	.115	.062	.131
MIN RADIUS	:	.143	.304	.207
MEAN RADIUS	:	1.025	.946	.895
MAX RADIUS	:	1.592	1.388	1.254
HORIZONTAL SPREAD	:	2.719	2.467	2.243
VERTICAL SPREAD	:	1.357	1.357	1.016
EXTREME SPREAD	:	2.743	2.581	2.281
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 2.649

VS = 1.973

GS = 2.994

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.712
MINIMUM X	-.937
MAXIMUM Y	1.034
MINIMUM Y	-.939
CENTROID X	.031
CENTROID Y	.023
POA TO CENTROID in.	.039
MIN RADIUS	.262
MEAN RADIUS	.918
MAX RADIUS	2.000
HORIZONTAL SPREAD	2.649
VERTICAL SPREAD	1.973
EXTREME SPREAD	2.994
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522342

DATE 8/18/90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.40	2.42	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.27	2.50	2.30	
PULL #3	2.24	2.45	2.46	2.30	
PULL #4	2.27	2.46	2.38	2.40	
PULL #5	2.26	2.43	2.43	2.38	
TOTAL	11.31	12.01	11.19	11.76	
AVG.	2.262	2.402	2.238	2.352	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.45		
PULL #2	3.39	3.31		
PULL #3	3.31	3.48		
PULL #4	3.45	3.26		
PULL #5	3.39	3.33		
TOTAL	16.84	16.83		
AVG.	3.368	3.366		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.46		4.32
PULL #2	4.50	4.42		4.40
PULL #3	4.40	4.44		4.45
PULL #4	4.42	4.27		4.47
PULL #5	4.35	4.40		4.39
TOTAL	22.07	21.99		21.98
AVG.	4.414	4.398		4.396

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522342

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	6 29 90	RW
600	Proof		6 29 90	RW
607	Check Headspace		6 29 90	RW
610	Dis-assemble Gun		6 29 90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	LS
617	Drill and Tap Sight Holes		7/13/90	FB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/18/90	HL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/9/90	RL
	G) Safety Off Force	3	3	3			8/9/90	RL
	H) Trigger Pull Test & Retainability						8/18/90	RL
	I) Firing Pin Indent	.022	.0215	.0215			8/9/90	RL
	J) Assemble Stock						8/21/90	RW
	K) Assemble Swivel Studs						8/21/90	RL
	L) Attach Front and Rear Sight Assemblies						8/21/90	RW
	M) Iron Sight Alignment						8/21/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/21/90	RW
	O) Attach Scope to Rifle						8/21/90	RW
	P) Detach & Attach Scope 20 Times						8/21/90	RW
640	Gallery Target & Test						8/21/90	RJ
	A) Time						8/21/90	RJ
	B) Malfunctions						8/21/90	RJ
	C) Pierced Primers						8/21/90	RJ
	D) Optical Clarity of Scope						8/21/90	RJ
645	Inspect for Live Ammo						8/21/90	RJ
655	Final Inspection						8/21/90	RL
	A) Headspace						8/21/90	RL
	B) Trigger Pull	2.38	2.30	2.30	2.40	2.38	8/22/90	RL
	C) Function						8/21/90	RL
660	Pack						9/20/90	RF