

C6498845

MODEL 760TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700TM H24

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

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

SERIAL NO.
 C6498845

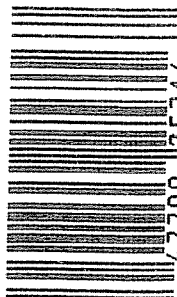
ORDER NO.
 5716

01



5716 C6498845

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498845
24 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.851826
1 TO	2	.93602
1 TO	3	.910486
1 TO	4	.424355
1 TO	5	.518499

$\frac{2}{3} S_1$ <----POA
3 1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1264
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3732
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .394024
THE AMR FOR THIS RIFLE IS: .8526

24 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B845

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 8

HS= 3.639

VS= 2.076

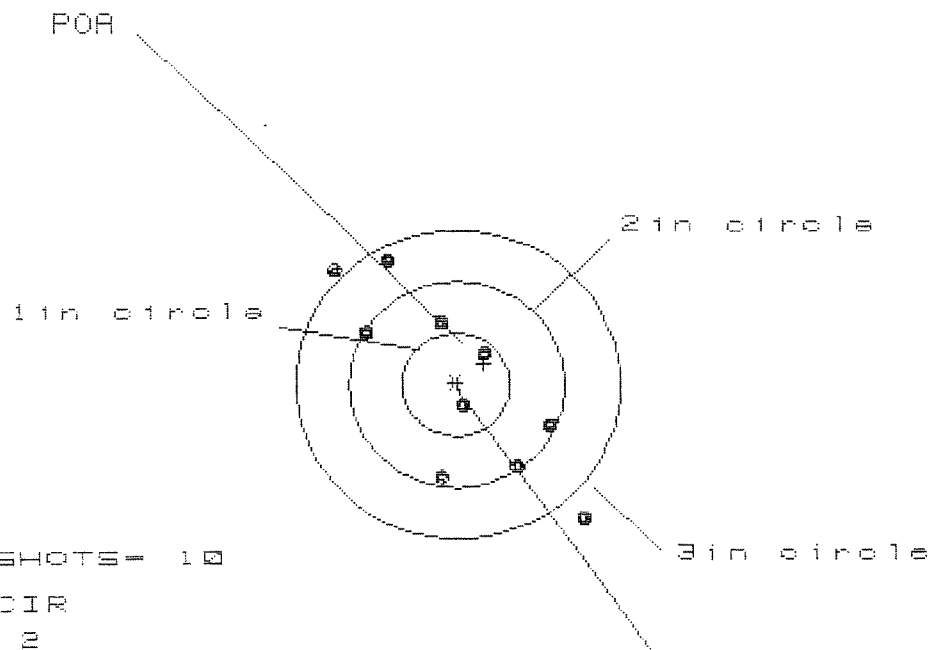
GS= 4.053

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.249	1.095	.562
MINIMUM X	:	-1.390	-.588	-.452
MAXIMUM Y	:	1.819	1.023	.891
MINIMUM Y	:	-1.257	-1.054	-.765
CENTROID X	:	.582	.736	.600
CENTROID Y	:	-.622	-.825	-.693
POA TO CENTROID in.	:	.852	1.105	.916
MIN RADIUS	:	.208	.225	.153
MEAN RADIUS	:	.906	.740	.618
MAX RADIUS	:	2.290	1.520	.912
HORIZONTAL SPREAD	:	2.639	1.683	1.014
VERTICAL SPREAD	:	3.076	2.077	1.656
EXTREME SPREAD	:	4.053	2.432	1.722
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.337

VS= 2.560

CS= 3.374

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	.975	.848
MINIMUM X	:	-1.148	-1.016	-.846
MAXIMUM Y	:	1.220	1.071	1.189
MINIMUM Y	:	-1.340	-1.069	-.951
CENTROID X	:	-.256	-.388	-.261
CENTROID Y	:	-.205	-.056	-.174
POA TO CENTROID in.	:	.328	.392	.314
MIN RADIUS	:	.211	.385	.242
MEAN RADIUS	:	.977	.883	.800
MAX RADIUS	:	1.792	1.387	1.337
HORIZONTAL SPREAD	:	2.337	1.991	1.694
VERTICAL SPREAD	:	2.560	2.140	2.140
EXTREME SPREAD	:	3.374	2.567	2.346
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.115

VS = 2.203

ES = 2.943

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.787	.640	.699
MINIMUM X	:	-1.328	-.778	-.719
MAXIMUM Y	:	.942	.905	.760
MINIMUM Y	:	-1.261	-1.156	-1.137
CENTROID X	:	-.327	-.180	-.239
CENTROID Y	:	-.570	-.675	-.530
POA TO CENTROID in.	:	.658	.699	.582
MIN RADIUS	:	.267	.290	.345
MEAN RADIUS	:	.882	.795	.727
MAX RADIUS	:	1.628	1.250	1.213
HORIZONTAL SPREAD	:	2.115	1.418	1.418
VERTICAL SPREAD	:	2.203	2.061	1.897
EXTREME SPREAD	:	2.943	2.099	2.099
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

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.284

VS= 2.752

GS= 2.754

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.724	.691	.662
MINIMUM X	:	-.560	-.593	-.622
MAXIMUM Y	:	1.376	.834	.681
MINIMUM Y	:	-1.376	-1.223	-1.131
CENTROID X	:	.376	.409	.438
CENTROID Y	:	-.251	-.404	-.251
POA TO CENTROID in.	:	.452	.575	.505
MIN RADIUS	:	.343	.256	.380
MEAN RADIUS	:	.815	.752	.664
MAX RADIUS	:	1.407	1.245	1.140
HORIZONTAL SPREAD	:	1.284	1.284	1.284
VERTICAL SPREAD	:	2.752	2.057	1.812
EXTREME SPREAD	:	2.754	2.089	1.965
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.324

VS= 1.857

GS= 2.207

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.832	.539	.535
MINIMUM X	:	-.492	-.400	-.333
MAXIMUM Y	:	.974	1.081	.867
MINIMUM Y	:	-.883	-.776	-.641
CENTROID X	:	.257	.164	.097
CENTROID Y	:	-.218	-.325	-.460
POA TO CENTROID in.	:	.336	.364	.470
MIN RADIUS	:	.019	.133	.180
MEAN RADIUS	:	.683	.600	.517
MAX RADIUS	:	1.275	1.208	.929
HORIZONTAL SPREAD	:	1.324	.939	.868
VERTICAL SPREAD	:	1.857	1.857	1.508
EXTREME SPREAD	:	2.207	2.007	1.607
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498845
DATE 8/21/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.16	2.60	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.10	2.52	2.54	
PULL #3	2.16	2.20	2.50	2.57	
PULL #4	2.11	2.22	2.59	2.60	
PULL #5	2.14	2.23	2.54	2.25	
TOTAL	10.76	10.91	12.75	12.51	
AVG.	2.15	2.18	2.53	2.502	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.17		
PULL #2	3.06	3.20		
PULL #3	3.08	3.26		
PULL #4	3.05	3.08		
PULL #5	3.13	3.16		
TOTAL	15.39	15.87		
AVG.	3.07	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.10		4.13
PULL #2	4.21	4.15		4.13
PULL #3	4.11	4.07		4.07
PULL #4	4.17	4.15		4.28
PULL #5	4.05	4.10		4.25
TOTAL	20.74	20.57		20.86
AVG.	4.14	4.11		4.17

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498845

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	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	GL
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		8/22/90	AC

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			8/22/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			8/22/90	WB
	H) Trigger Pull Test & Retainability						8/22/90	AC
	I) Firing Pin Indent	.023	.023	.023			8/22/90	WB
	J) Assemble Stock						8/22/90	KS
	K) Assemble Swivel Studs						8/31/90	JS
	L) Attach Front and Rear Sight Assemblies						8/22/90	KS
	M) Iron Sight Alignment						8/22/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/22/90	KS
	O) Attach Scope to Rifle						8/22/90	KS
	P) Detach & Attach Scope 20 Times						8/22/90	KS
640	Gallery Target & Test						8/23/90	KJ
	A) Time						8/23/90	KJ
	B) Malfunctions						8/23/90	KJ
	C) Pierced Primers						8/23/90	KJ
	D) Optical Clarity of Scope						8/23/90	K2
645	Inspect for Live Ammo						8/23/90	K2
655	Final Inspection							
	A) Headspace						8/31/90	JS
	B) Trigger Pull	2.55	2.54	2.57	2.60	2.25	8/31/90	JS
	C) Function						8/31/90	JS
660	Pack						9/20/90	NF