

C5522311

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Remington[®]

MODEL 700TM H24

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

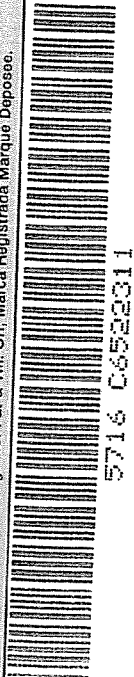
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm

SERIAL NO.
C6522311

ORDER NO.
5716

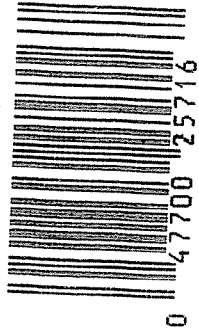
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Q1



5716 C6522311

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522311
31 Aug 1990

CENTROIDAL DISTANCES

0	TO	1	1.0904
1	TO	2	.215337
1	TO	3	.985731
1	TO	4	1.12645
1	TO	5	.78121

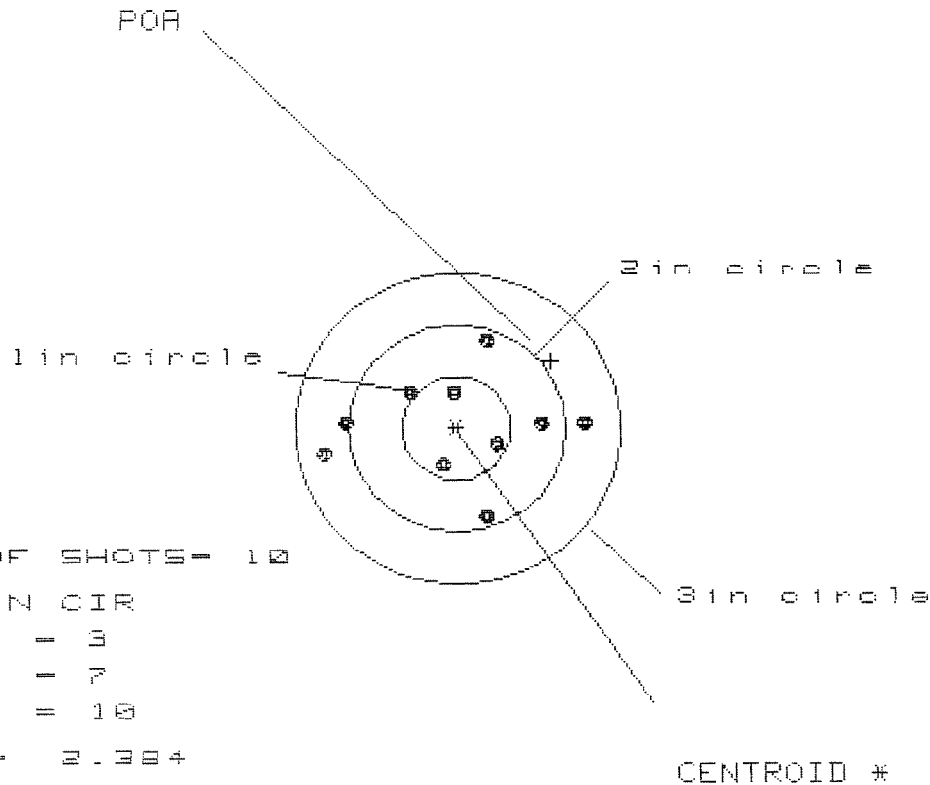
5⁺ <----POA
12 4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3092
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4716
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .563925
THE AMR FOR THIS RIFLE IS: .8400

30 Aug 1990

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CENTERFIRE PATTERNS # 1



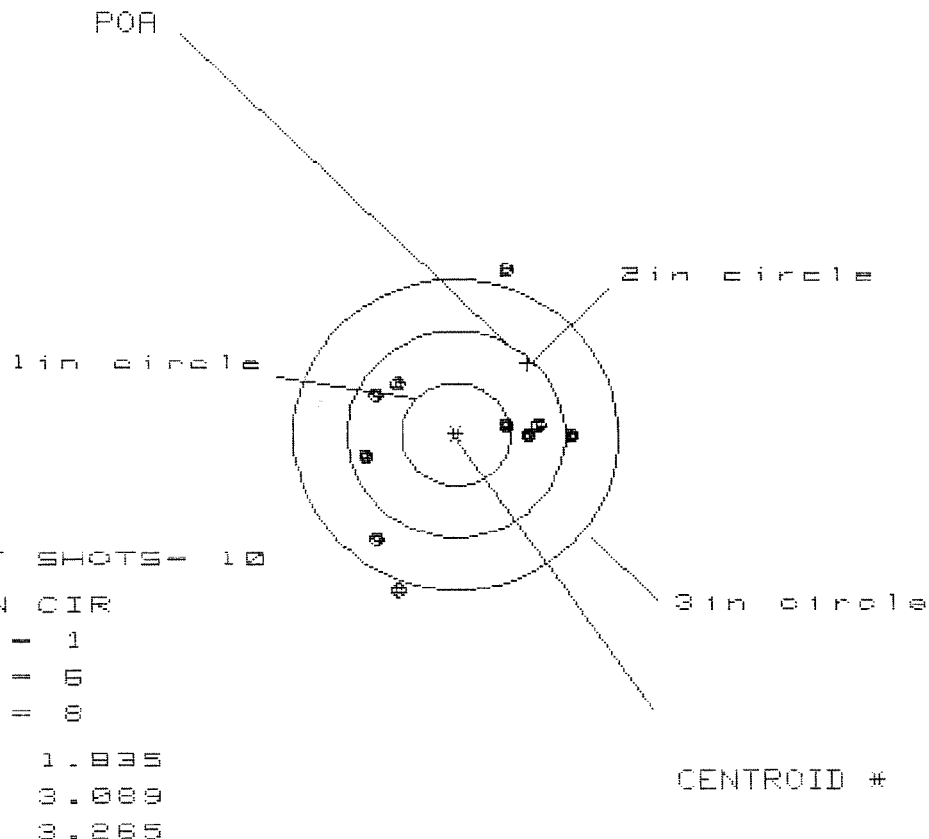
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.009	.781
MINIMUM X	-1.237	-1.173	-1.047
MAXIMUM Y	.894	.866	.868
MINIMUM Y	-.859	-.887	-.885
CENTROID X	-.874	-.736	-.862
CENTROID Y	-.652	-.624	-.626
POA TO CENTROID in.	1.090	.965	1.066
MIN RADIUS	.312	.334	.289
MEAN RADIUS	.774	.709	.666
MAX RADIUS	1.262	1.174	1.048
HORIZONTAL SPREAD	2.384	2.182	1.828
VERTICAL SPREAD	1.753	1.753	1.753
EXTREME SPREAD	2.402	2.182	1.830
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS

2



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.047	1.100	1.035
MINIMUM X	:	-0.788	-0.735	-0.800
MAXIMUM Y	:	1.596	.712	.548
MINIMUM Y	:	-1.493	-1.316	-0.976
CENTROID X	:	-0.663	-0.716	-0.651
CENTROID Y	:	-0.695	-0.872	-0.708
POA TO CENTROID in.	:	.960	1.129	.962
MIN RADIUS	:	.460	.563	.451
MEAN RADIUS	:	.985	.915	.822
MAX RADIUS	:	1.668	1.414	1.220
HORIZONTAL SPREAD	:	1.835	1.835	1.835
VERTICAL SPREAD	:	3.089	2.028	1.524
EXTREME SPREAD	:	3.265	2.195	2.020
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.538

VS= 2.904

GS= 2.907

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.289	1.336	1.174
MINIMUM X	:	-1.349	-1.302	-.972
MAXIMUM Y	:	1.704	.590	.638
MINIMUM Y	:	-1.200	-1.010	-.962
CENTROID X	:	.030	-.017	.145
CENTROID Y	:	-.259	-.449	-.497
POA TO CENTROID in.	:	.261	.449	.518
MIN RADIUS	:	.552	.631	.499
MEAN RADIUS	:	1.034	.950	.879
MAX RADIUS	:	1.758	1.358	1.178
HORIZONTAL SPREAD	:	2.638	2.638	2.146
VERTICAL SPREAD	:	2.904	1.600	1.600
EXTREME SPREAD	:	2.907	2.693	2.248
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 8

2in = 8

3in = 9

HS = 2.603

VS = 1.007

GS = 2.687

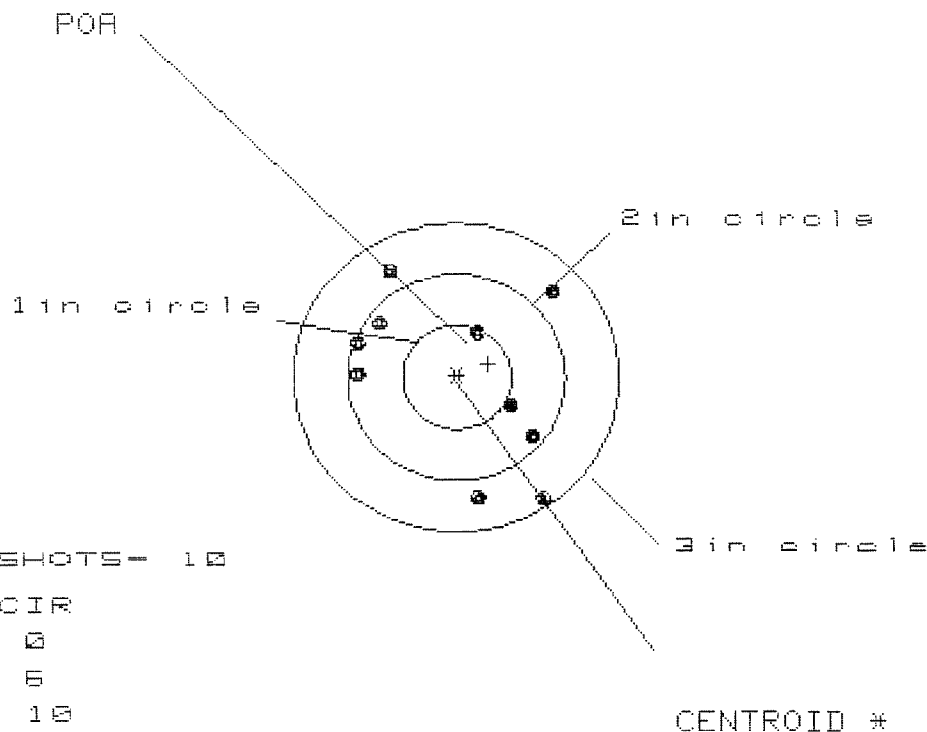
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.430	.430	.303
MINIMUM X	:	-1.173	-1.014	-.347
MAXIMUM Y	:	.623	.323	.326
MINIMUM Y	:	-.384	-.315	-.312
CENTROID X	:	.252	.093	.220
CENTROID Y	:	-.620	-.689	-.692
POA TO CENTROID in.	:	.669	.695	.726
MIN RADIUS	:	.041	.107	.060
MEAN RADIUS	:	.484	.369	.255
MAX RADIUS	:	1.559	1.015	.403
HORIZONTAL SPREAD	:	2.603	1.444	.650
VERTICAL SPREAD	:	1.007	.638	.638
EXTREME SPREAD	:	2.687	1.473	.734
NUMBER IN ONE INCH CIRCLE	=		8	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 10

HS= 1.840

VS= 2.239

GS= 2.610

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.891	.976	.909
MINIMUM X	:	-.949	-.864	-.931
MAXIMUM Y	:	1.060	.932	.787
MINIMUM Y	:	-1.179	-1.307	-1.190
CENTROID X	:	-.291	-.376	-.309
CENTROID Y	:	-.132	-.004	-.121
POA TO CENTROID in.	:	.319	.376	.332
MIN RADIUS	:	.505	.432	.501
MEAN RADIUS	:	.967	.905	.882
MAX RADIUS	:	1.384	1.328	1.202
HORIZONTAL SPREAD	:	1.840	1.840	1.840
VERTICAL SPREAD	:	2.239	2.239	1.977
EXTREME SPREAD	:	2.610	2.368	2.111
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO 06522311

DATE 9-12-90

TESTER JRU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.35	2.33	2.21	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.35	2.38	2.33	
PULL #3	2.35	2.25	2.40	2.30	
PULL #4	2.38	2.33	2.41	2.29	
PULL #5	2.30	2.42	2.39	2.29	
TOTAL	11.72	11.70	11.91		
AVG.	2.344	2.34	2.382		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.46		
PULL #2	3.28	3.46		
PULL #3	3.42	3.41		
PULL #4	3.38	3.38		
PULL #5	3.40	3.39		
TOTAL	16.70	17.10		
AVG.	3.34	3.42		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.12		4.28
PULL #2	4.18	4.25		4.29
PULL #3	4.20	4.20		4.30
PULL #4	4.19	4.24		4.29
PULL #5	4.24	4.25		4.26
TOTAL	21.04	21.06		21.42
AVG.	4.208	4.212		4.284

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522311

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	KR
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/23/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/90	KS
	C) Inspect Ejector Hole for Chamfer		8/23/90	KS
	D) Oil Firing Pin Ass'y		8/23/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-12-90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			8/27/90	WB
	G) Safety Off Force	2	2	2			8/27/90	WB
	H) Trigger Pull Test & Retainability						9-12-90	gfl
	I) Firing Pin Indent	.022	.0225	.0225			8/27/90	WB
	J) Assemble Stock						8/27/90	KS
	K) Assemble Swivel Studs						9/13/90	gfl
	L) Attach Front and Rear Sight Assemblies						8/27/90	KS
	M) Iron Sight Alignment						8/27/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/27/90	KS
	O) Attach Scope to Rifle						8/27/90	KS
	P) Detach & Attach Scope 20 Times						8/27/90	KS
640	Gallery Target & Test						8/28/90	NF
	A) Time						8/28/90	NF
	B) Malfunctions						8/28/90	NF
	C) Pierced Primers						8/28/90	NF
	D) Optical Clarity of Scope						8/28/90	NF
645	Inspect for Live Ammo						8/28/90	NF
655	Final Inspection							
	A) Headspace						9/13/90	gfl
	B) Trigger Pull	2.21	2.33	2.30	2.29	2.29	9-12-90	gfl
	C) Function						9/13/90	gfl
660	Pack						9/19/90	NF