

C6587657

MODEL 700TM M24

Model **SMS** TM

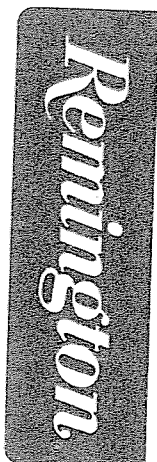
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18118

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

Scope S/N 89 1285

DATE RECEIVED 06/09/94 DATE OPENED 06/09/94 DATE CODE

SERIAL NUMBER C6587657

NEW SERIAL NUMBER

MODEL AND GRADE

700 7-62

NATO

ACCESSORIES

SLING STRAP

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

CUST NO: 098397 CJO.DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

☐ NEW

☐ LIGHTLY WORN

☐ WORN

☐ VERY WORN

☐ UNREPAIRABLE

☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

✓ Barrel
✓ Stock
✓ Trigger Assy
✓ F Ring fin Assy
✓ Mag Spring
✓ Mag follower
✓ Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400024676

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587657

DATE 5-7-94

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.30	2.17	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.14	2.25	
PULL #3	2.25	2.28	2.28	
PULL #4	2.29	2.20	2.27	
PULL #5	2.13	2.28	2.24	
TOTAL	1119	1107	1136	
AVG.	2.23	2.21	2.27	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.02	3.17	
PULL #2	3.22	3.21	
PULL #3	3.23	3.31	
PULL #4	3.25	3.22	
PULL #5	3.32	3.16	
TOTAL	1604	1607	
AVG.	3.20	3.21	

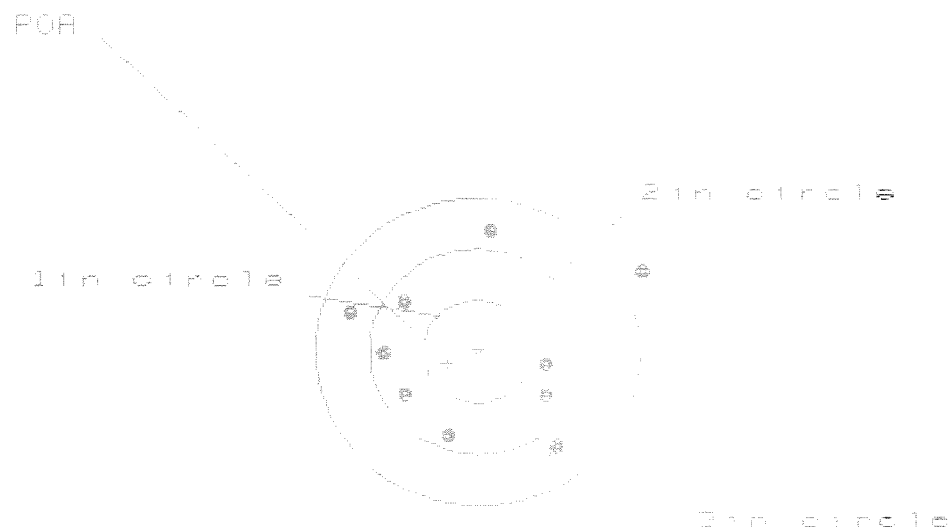
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.21		4.09
PULL #2	4.26	4.00		4.28
PULL #3	4.24	4.19		4.33
PULL #4	4.23	4.09		4.25
PULL #5	4.20	3.98		4.26
TOTAL	2121	20.47		21.21
AVG.	4.24	4.09		4.24

11 Mar 1968

FILE: PATTERNING/CENTERFIRE_PATT/05587657

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 9

CENTROID #

HS= 2.746

VS= 2.051

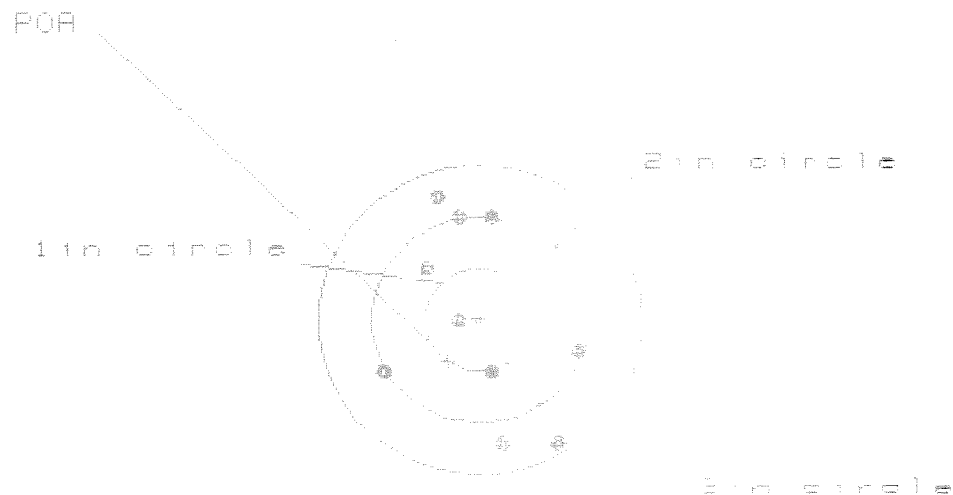
GS= 2.773

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.556	.926	.799
MINIMUM X	-1.190	-1.017	-.825
MAXIMUM Y	1.140	1.226	1.285
MINIMUM Y	-.911	-.825	-.766
CENTROID X	.279	.106	.233
CENTROID Y	.117	.031	-.028
POR TO CENTROID in.	.303	.111	.235
MIN RADIUS	.616	.633	.640
MEAN RADIUS	1.011	.904	.869
MAX RADIUS	1.738	1.251	1.291
HORIZONTAL SPREAD	2.746	1.943	1.624
VERTICAL SPREAD	2.051	2.051	2.051
EXTREME SPREAD	2.773	2.338	2.159
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

11 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06597657

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.722

VS= 2.384

GS= 2.575

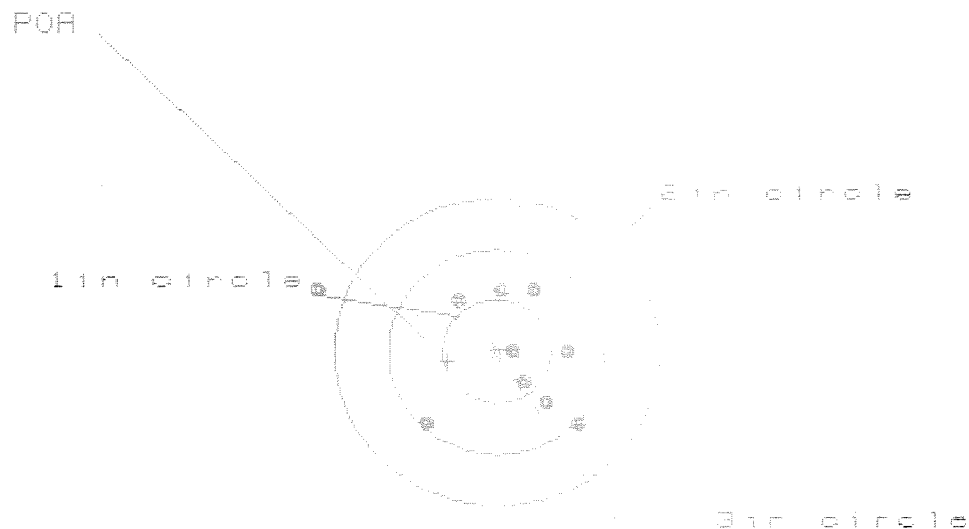
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.863	.941	.902
MINIMUM X	:	-.859	-.781	-.820
MAXIMUM Y	:	1.173	1.045	1.021
MINIMUM Y	:	-1.211	-1.339	-1.209
CENTROID X	:	.292	.214	.253
CENTROID Y	:	.402	.530	.400
POA TO CENTROID in.	:	.497	.572	.473
MIN RADIUS	:	.162	.130	.125
MEAN RADIUS	:	.908	.840	.805
MAX RADIUS	:	1.353	1.377	1.241
HORIZONTAL SPREAD	:	1.722	1.722	1.722
VERTICAL SPREAD	:	2.384	2.384	2.230
EXTREME SPREAD	:	2.575	2.467	2.232
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

11 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06587857

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.340

VS= 1.327

GS= 2.676

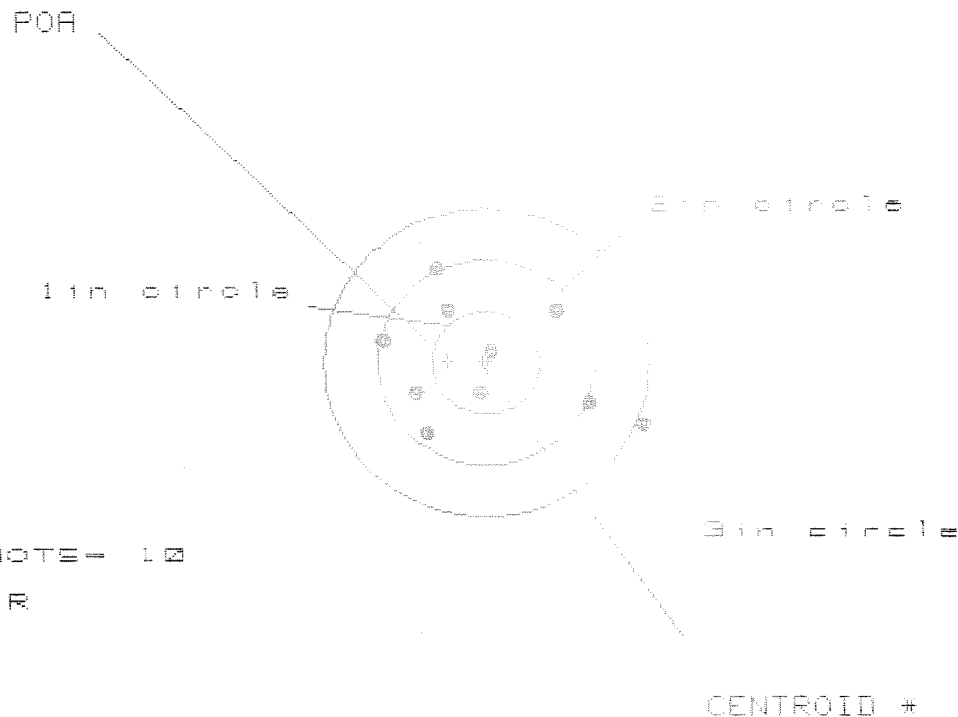
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.705	.523	.566
MINIMUM X	:	-1.635	-.838	-.772
MAXIMUM Y	:	.584	.645	.560
MINIMUM Y	:	-.743	-.682	-.688
CENTROID X	:	.455	.637	.571
CENTROID Y	:	.095	.034	.119
POA TO CENTROID in.	:	.465	.638	.584
MIN RADIUS	:	.157	.098	.039
MEAN RADIUS	:	.752	.601	.563
MAX RADIUS	:	1.727	1.032	1.034
HORIZONTAL SPREAD	:	2.340	1.361	1.338
VERTICAL SPREAD	:	1.327	1.327	1.348
EXTREME SPREAD	:	2.676	1.664	1.600
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08587857

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.331

VS= 1.593

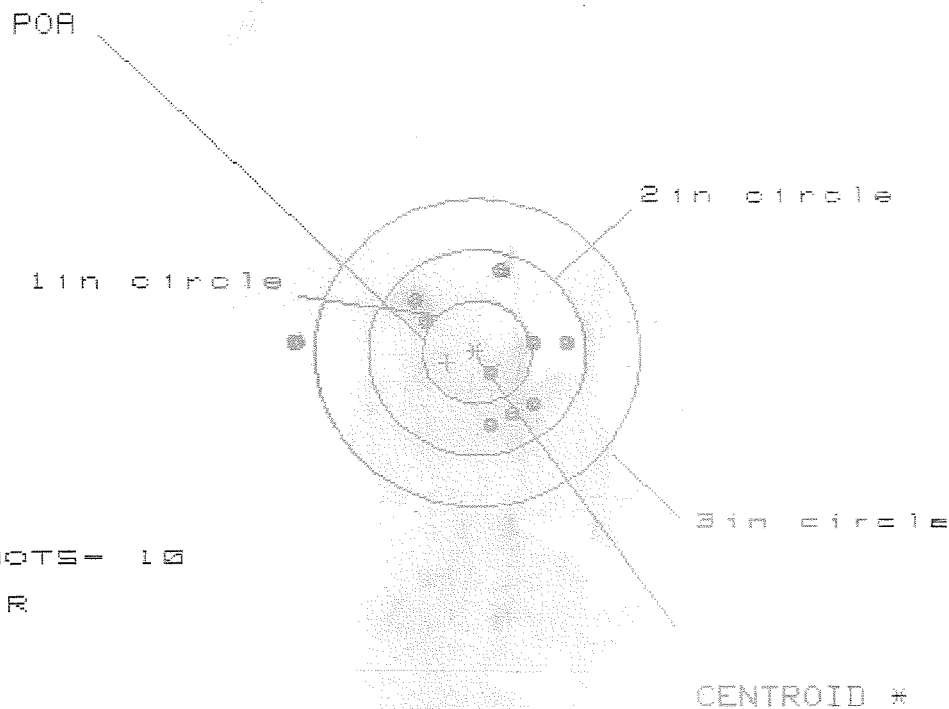
GS= 2.474

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.481	1.120	.910
MINIMUM X	:	-.930	-.775	-.635
MAXIMUM Y	:	.868	.799	.737
MINIMUM Y	:	-.725	-.794	-.856
CENTROID X	:	.354	.198	.058
CENTROID Y	:	-.013	.056	.118
POA TO CENTROID in.	:	.354	.206	.132
MIN RADIUS	:	.178	.262	.372
MEAN RADIUS	:	.806	.709	.634
MAX RADIUS	:	1.533	1.226	1.002
HORIZONTAL SPREAD	:	2.331	1.895	1.545
VERTICAL SPREAD	:	1.593	1.593	1.593
EXTREME SPREAD	:	2.474	1.999	1.733
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587657

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 9

3in = 9

HS= 2.564

VS= 1.506

GS= 2.565

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.666	.671	.681
MINIMUM X	:	-1.704	-.716	-.706
MAXIMUM Y	:	.832	.845	.665
MINIMUM Y	:	-.674	-.661	-.555
CENTROID X	:	.277	.466	.456
CENTROID Y	:	.100	.087	-.019
POA TO CENTROID in.	:	.294	.474	.456
MIN RADIUS	:	.200	.203	.119
MEAN RADIUS	:	.755	.618	.567
MAX RADIUS	:	1.708	.909	.970
HORIZONTAL SPREAD	:	2.564	1.387	1.387
VERTICAL SPREAD	:	1.506	1.506	1.220
EXTREME SPREAD	:	2.565	1.518	1.516
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	9		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587657

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4 1/2	4 1/2			5/29/96	AC
	G) Safety Off Force	4	4	4			5/29/96	A
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.022	.022			5/29/96	K
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.51	2.56	2.70	2.69	2.67	5/19/96	W.B
	C) Function							
660	Pack							




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.

SERIAL NO.
C6587657

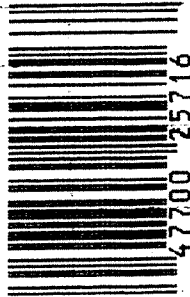
ORDER NO.
5716

Ø1



5716 C6587657

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587657

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	GS
617	Drill and Tap Sight Holes		10/18/90	FB
618	Polish Barrel RWB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	JA
	Apply Coating (Bolt)		11-5-90	JA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/7/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-15-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/15/90	WLB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			11/15/90	WLB
	H) Trigger Pull Test & Retainability						11-15-90	HL
	I) Firing Pin Indent	.023	.0225	.023			11/15/90	WLB
	J) Assemble Stock						11/27/90	RW
	K) Assemble Swivel Studs						11-29-90	QSS
	L) Attach Front and Rear Sight Assemblies						11/27/90	RW
	M) Iron Sight Alignment						11/27/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/27/90	RW
	O) Attach Scope to Rifle						11/27/90	RW
	P) Detach & Attach Scope 20 Times						11/27/90	RW
640	Gallery Target & Test						11-28-90	AC
	A) Time						11-28-90	AC
	B) Malfunctions						11-28-90	AC
	C) Pierced Primers						11-28-90	AC
	D) Optical Clarity of Scope						11-28-90	AC
645	Inspect for Live Ammo						11-28-90	AC
655	Final Inspection							
	A) Headspace						11-29-90	QSS
	B) Trigger Pull	2.51	241	247	245	242	11-29-90	QSS
	C) Function						11-29-90	QSS
660	Pack						12-7-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6587657

DATE 11-15-90

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.45	2.32	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.48	2.32	2.41	
PULL #3	2.46	2.42	2.33	2.47	
PULL #4	2.38	2.32	2.18	2.45	
PULL #5	2.40	2.48	2.32	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.36		
PULL #2	3.20	3.21		
PULL #3	3.25	3.37		
PULL #4	3.25	3.24		
PULL #5	3.23	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.49		4.31
PULL #2	4.36	4.34		4.30
PULL #3	4.41	4.40		4.38
PULL #4	4.33	4.35		4.33
PULL #5	4.36	4.29		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587657
28 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.184954
1 TO 2	.0403113
1 TO 3	.127318
1 TO 4	.157632
1 TO 5	.0474236

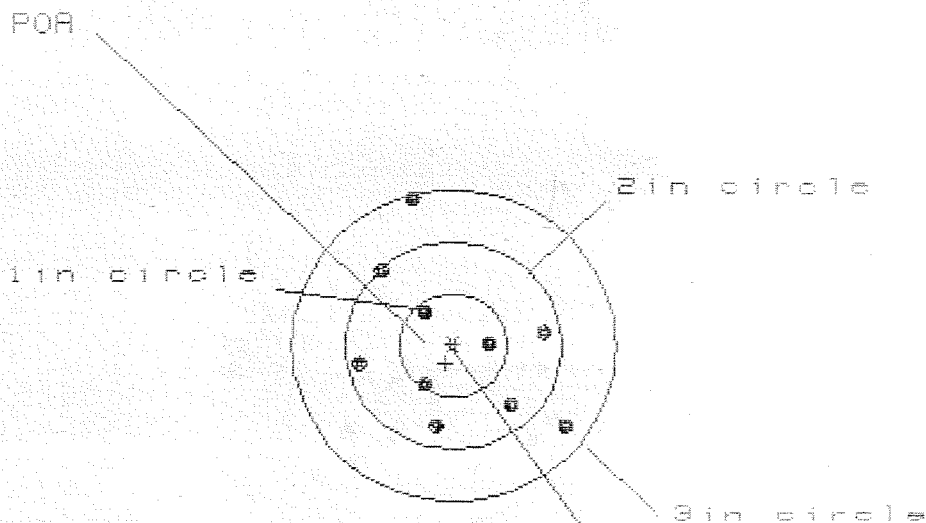
↑ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0942
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2246
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .243555
THE AMR FOR THIS RIFLE IS: .8594

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587657

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.905

VS= 2.176

GS= 2.577

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.035	.989	.906
MINIMUM X	:	-.870	-.916	-.793
MAXIMUM Y	:	1.381	.915	.840
MINIMUM Y	:	-.795	-.642	-.717
CENTROID X	:	.068	.114	-.009
CENTROID Y	:	.172	.019	.094
POA TO CENTROID in.	:	.185	.116	.094
MIN RADIUS	:	.315	.323	.391
MEAN RADIUS	:	.829	.745	.688
MAX RADIUS	:	1.441	1.162	1.028
HORIZONTAL SPREAD	:	1.905	1.905	1.699
VERTICAL SPREAD	:	2.176	1.557	1.557
EXTREME SPREAD	:	2.577	2.280	1.776
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8507657

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 2.123

VS= 1.996

GS= 2.314

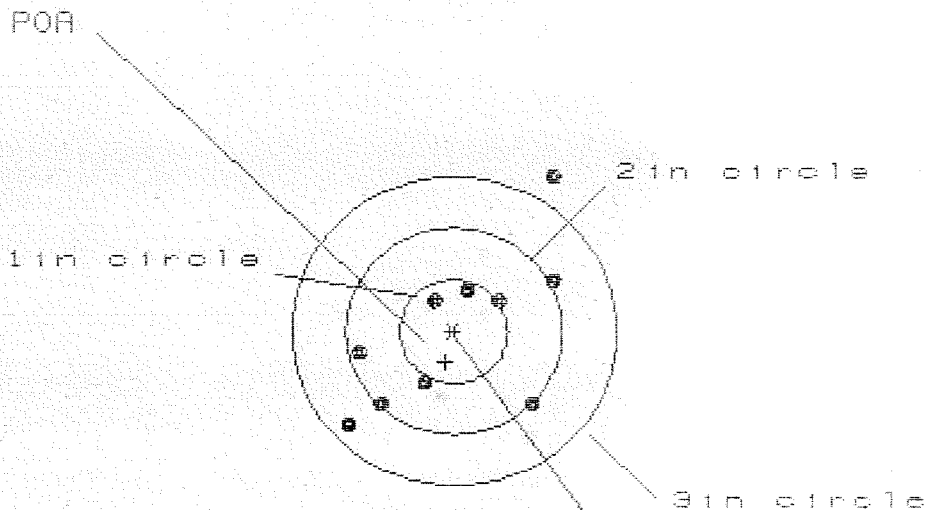
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.897	.761	.768
MINIMUM X	:	-1.226	-1.144	-1.137
MAXIMUM Y	:	.944	.885	.746
MINIMUM Y	:	-1.052	-1.111	-1.452
CENTROID X	:	.063	.199	.192
CENTROID Y	:	.212	.271	.410
POA TO CENTROID in.	:	.221	.336	.452
MIN RADIUS	:	.238	.300	.258
MEAN RADIUS	:	.844	.779	.717
MAX RADIUS	:	1.335	1.150	1.166
HORIZONTAL SPREAD	:	2.123	1.905	1.905
VERTICAL SPREAD	:	1.996	1.996	1.198
EXTREME SPREAD	:	2.314	1.999	1.934
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587657

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.961

VS= 2.441

GS= 3.131

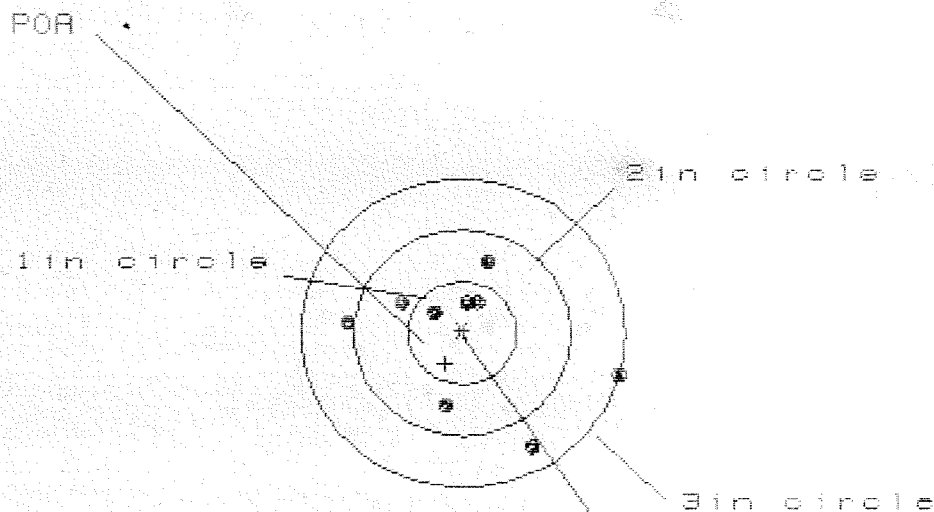
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.947	.995	.882
MINIMUM X	:	-1.014	-.909	-.907
MAXIMUM Y	:	1.511	.633	.538
MINIMUM Y	:	-.936	-.762	-.678
CENTROID X	:	.077	-.028	.085
CENTROID Y	:	.299	.131	.226
POR TO CENTROID in.	:	.309	.134	.242
MIN RADIUS	:	.372	.372	.440
MEAN RADIUS	:	.965	.803	.743
MAX RADIUS	:	1.783	1.186	1.033
HORIZONTAL SPREAD	:	1.961	1.904	1.789
VERTICAL SPREAD	:	2.441	1.395	1.208
EXTREME SPREAD	:	3.131	2.360	2.012
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08587657

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.507

VS= 1.784

GS= 2.553

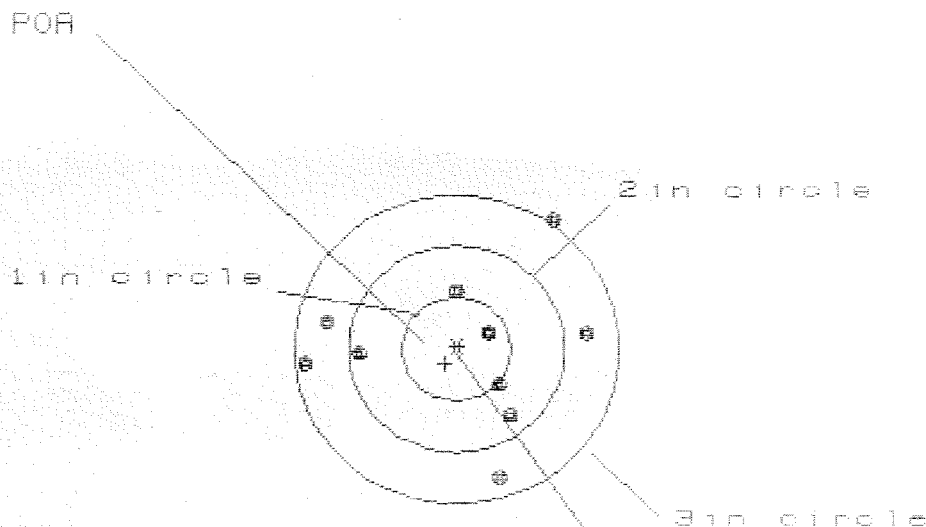
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.466	.819	.488
MINIMUM X	:	-1.041	-.878	-.775
MAXIMUM Y	:	.711	.671	.532
MINIMUM Y	:	-1.073	-1.113	-.924
CENTROID X	:	.160	-.003	-.106
CENTROID Y	:	.300	.340	.479
POA TO CENTROID in.	:	.340	.340	.490
MIN RADIUS	:	.318	.176	.015
MEAN RADIUS	:	.749	.624	.471
MAX RADIUS	:	1.509	1.382	.936
HORIZONTAL SPREAD	:	2.507	1.697	1.263
VERTICAL SPREAD	:	1.784	1.784	1.456
EXTREME SPREAD	:	2.553	2.078	1.495
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.609

VS= 2.515

GS= 2.690

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.165	1.260	1.091
MINIMUM X	:	-1.444	-1.349	-1.316
MAXIMUM Y	:	1.275	.669	.671
MINIMUM Y	:	-1.240	-1.098	-1.096
CENTROID X	:	.103	.008	.177
CENTROID Y	:	.140	-.002	-.004
POA TO CENTROID in.	:	.173	.008	.177
MIN RADIUS	:	.277	.432	.317
MEAN RADIUS	:	.970	.915	.823
MAX RADIUS	:	1.534	1.349	1.372
HORIZONTAL SPREAD	:	2.609	2.609	2.407
VERTICAL SPREAD	:	2.515	1.767	1.767
EXTREME SPREAD	:	2.690	2.621	2.410
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	