

06348849

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18189

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

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

S/N 90 0631

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6348849	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62	NATO
ACCESSORIES 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 C.D.D.L.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA FRT
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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
✓ Front Sight Assy
✓ Rear Sight Assy

REPAIRMAN	PROOF	CLEAN	TEST W.B.	TARGET W.B.	PATTERN
GALLERY TESTER	DATE	DATE	DATE 4/13/96	DATE 4/13/96	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0039789

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348849

DATE 4-11-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.68	2.62		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.59	2.56	2.52		
PULL #3	2.60	2.59	2.59		
PULL #4	2.57	2.59	2.60		
PULL #5	2.62	2.57	2.56		
TOTAL	12.79	12.99	12.89		
AVG.	2.55	2.59	2.57		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.29		
PULL #2	3.25	3.27		
PULL #3	3.08	3.14		
PULL #4	3.27	3.16		
PULL #5	3.00	3.05		
TOTAL	15.72	15.91		
AVG.		3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.12		4.17
PULL #2	4.38	4.33		4.04
PULL #3	4.07	4.18		4.03
PULL #4	4.34	4.35		4.00
PULL #5	4.33	4.12		4.01
TOTAL	21.32	21.10		20.25
AVG.	4.26	4.22		4.05

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348849
11 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	1.121
1 TO	2	.358297
1 TO	3	.650093
1 TO	4	.257992
1 TO	5	.648871

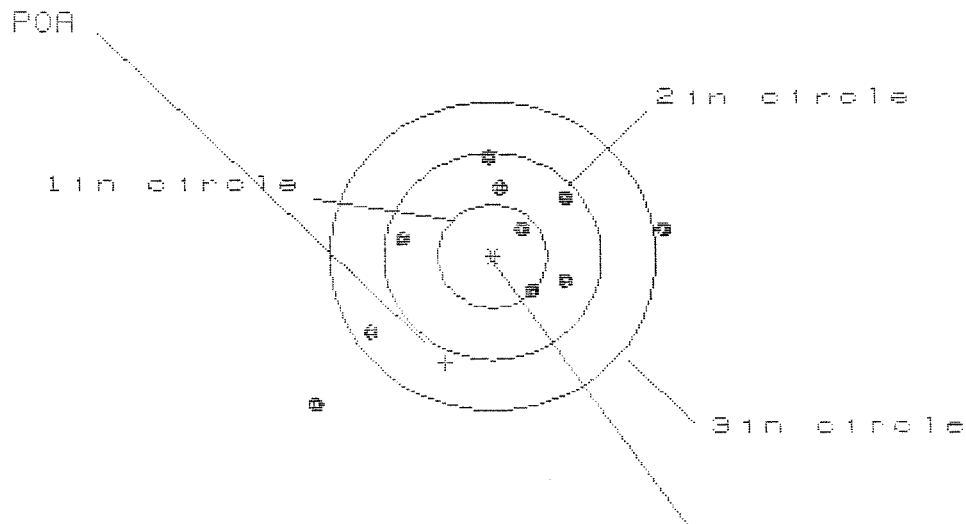
1
2
3
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4942
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .6586
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .8234
THE AMR FOR THIS RIFLE IS: 1.063

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8348843

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 3.264

VS= 2.439

GS= 3.715

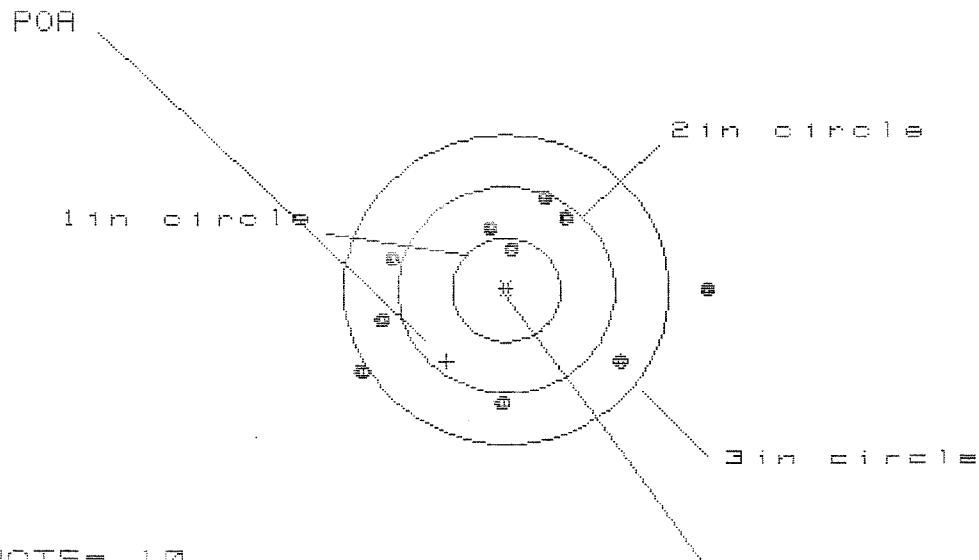
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.611	1.427	.706
MINIMUM X	-1.653	-1.337	-1.158
MAXIMUM Y	.966	.803	.820
MINIMUM Y	-1.473	-.937	-.920
CENTROID X	.433	.617	.438
CENTROID Y	1.034	1.197	1.180
POA TO CENTROID in.	1.121	1.347	1.259
MIN RADIUS	.368	.122	.285
MEAN RADIUS	1.029	.830	.777
MAX RADIUS	2.214	1.633	1.479
HORIZONTAL SPREAD	3.264	2.764	1.864
VERTICAL SPREAD	2.439	1.740	1.740
EXTREME SPREAD	3.715	2.966	2.294
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348849

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 3.218

VS = 2.032

GS = 3.317

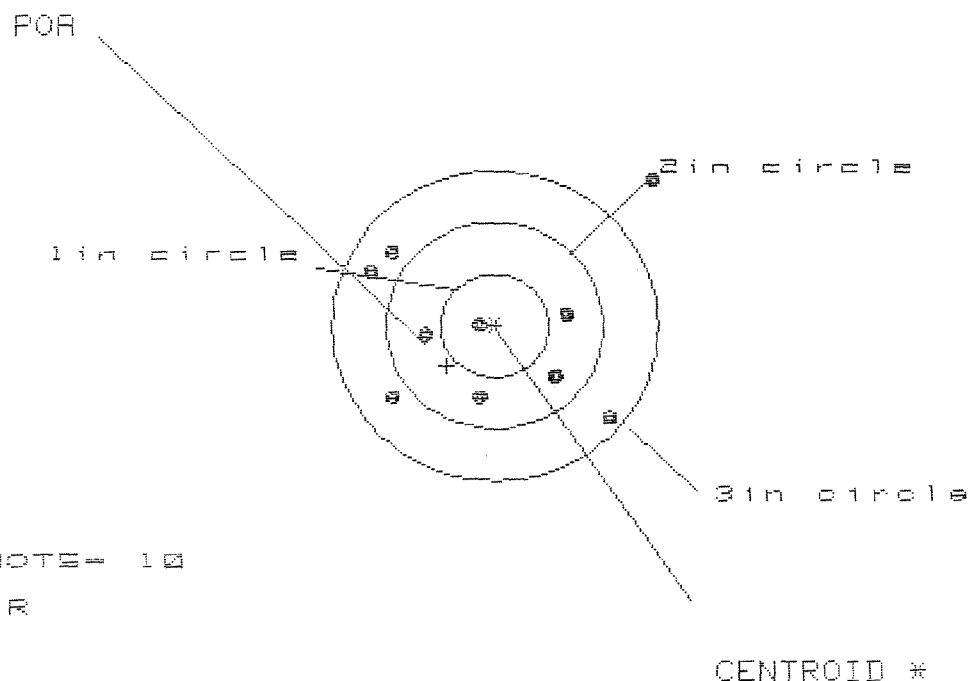
CENTROID *

PATTERN #	2	1	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.823	1.219	1.070
MINIMUM X	-1.395	-1.192	-1.118
MAXIMUM Y	.924	.927	.830
MINIMUM Y	-1.109	-1.105	-1.202
CENTROID X	.549	.346	.495
CENTROID Y	.695	.691	.788
POA TO CENTROID in.	.885	.773	.930
MIN RADIUS	.364	.437	.284
MEAN RADIUS	1.097	1.005	.921
MAX RADIUS	1.824	1.420	1.351
HORIZONTAL SPREAD	3.218	2.411	2.188
VERTICAL SPREAD	2.032	2.032	2.032
EXTREME SPREAD	3.317	2.463	2.293
NUMBER IN ONE INCH CIRCLE =	1		

11 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348849

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.562

VS= 2.344

GS= 3.170

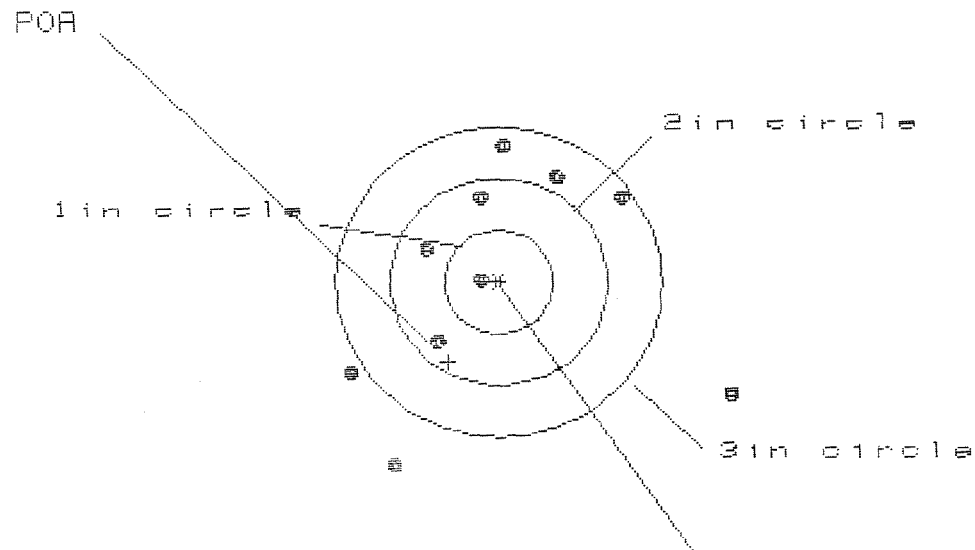
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.462	1.205	.992
MINIMUM X	-1.101	-.938	-.788
MAXIMUM Y	1.447	.902	.810
MINIMUM Y	-.897	-.736	-.602
CENTROID X	.444	.281	.131
CENTROID Y	.384	.223	.315
POR TO CENTROID in.	.586	.359	.341
MIN RADIUS	.111	.139	.210
MEAN RADIUS	.979	.825	.744
MAX RADIUS	2.057	1.412	1.021
HORIZONTAL SPREAD	2.562	2.143	1.780
VERTICAL SPREAD	2.344	1.638	1.412
EXTREME SPREAD	3.170	2.568	1.939
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6348849

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 3.428

VS = 3.162

GS = 3.435

CENTROID #

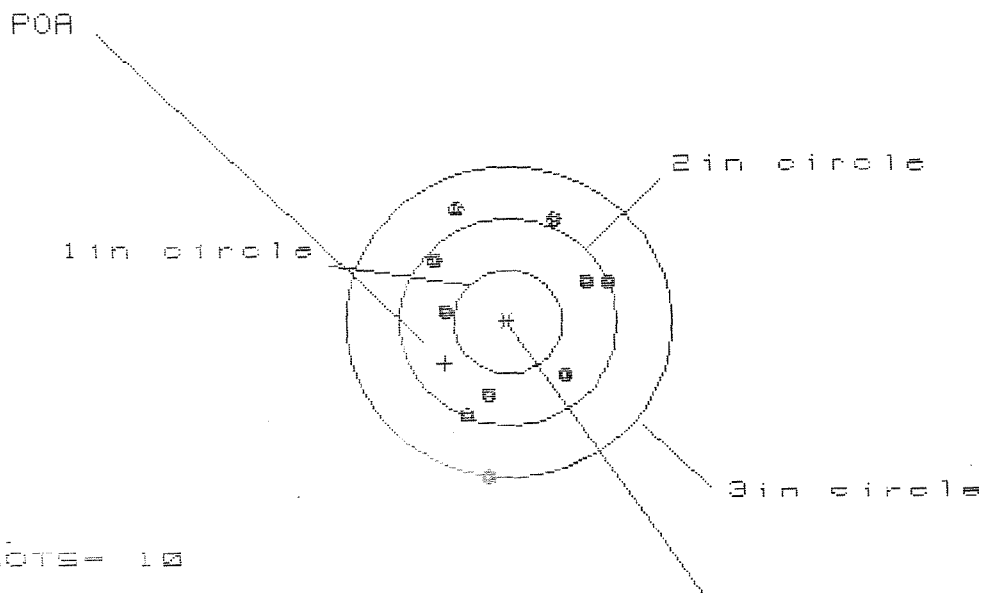
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.186	1.418	1.325
MINIMUM X	-1.322	-1.088	-1.181
MAXIMUM Y	1.364	1.244	1.004
MINIMUM Y	-1.798	-1.918	-1.226
CENTROID X	.465	.231	.324
CENTROID Y	.778	.898	1.137
POA TO CENTROID in.	.906	.927	1.183
MIN RADIUS	.196	.141	.379
MEAN RADIUS	1.247	1.066	.928
MAX RADIUS	2.367	2.056	1.702
HORIZONTAL SPREAD	3.428	2.506	2.506
VERTICAL SPREAD	3.162	3.162	2.230
EXTREME SPREAD	3.435	3.420	3.040
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

11 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B849

CENTERFIRE PATTERNS

5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS = 1.659

VS = 2.606

GS = 2.616

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.962	.937	.878
MINIMUM X	-.697	-.722	-.781
MAXIMUM Y	1.089	.921	.955
MINIMUM Y	-1.517	-1.021	-.906
CENTROID X	.580	.605	.664
CENTROID Y	.402	.570	.455
POA TO CENTROID DIST	.705	.831	.805
MIN RADIUS	.632	.654	.663
MEAN RADIUS	.962	.888	.860
MAX RADIUS	1.533	1.113	1.036
HORIZONTAL SPREAD	1.659	1.659	1.659
VERTICAL SPREAD	2.606	1.942	1.861
EXTREME SPREAD	2.616	2.056	2.056
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348849

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. #	BARBER - M24 0039759		READINGS					DATE	INIT
	OP. NAME								
625 cont.	F) Safety On Force		6 1/2	6 1/2	6 1/2			5/6/96	WB
	G) Safety Off Force		2 3/4	2 3/4	2 3/4			5/6/96	WB
	H) Trigger Pull Test & Retainability								
	I) Firing Pin Indent								
	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		2.85	2.85	2.83	2.81	2.82	4/17/96	WB
	C) Function								
660	Pack								

Remington
REMINGTON & CO. NEW YORK, N.Y.
REG. U.S. PAT. & TM. OFF.

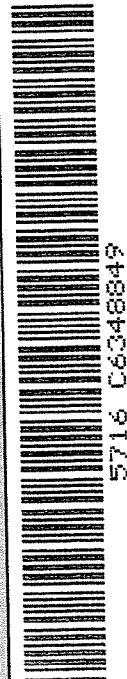
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6348849

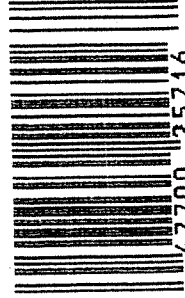
ORDER NO.
5716

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



5716 C6348849

UPC



0 47700 25716 7

GUN SERIAL #

C6348849

Scanned
0088

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	9-14	89	KCR
	Magnaflux Bolt	9-14	89	KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	LC
618	Polish Barrel	9 15	89	
620	Apply Coatings (Barrel Action)		9-25-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10/3/89	96
	G) Safety Off Force	3	3	3			10/3/89	96
	H) Trigger Pull Test & Retainability						26 Oct 89	928
	I) Firing Pin Indent	.020	.020	.020			10/3/89	96
	J) Assemble Stock						10/13/89	RW
	K) Assemble Swivel Studs						10/13/89	928
	L) Attach Front and Rear Sight Assemblies						10/13/89	RW
	M) Iron Sight Alignment						10/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/13/89	RW
	O) Attach Scope to Rifle						10/13/89	96
	P) Detach & Attach Scope 20 Times						10/13/89	96
640	Gallery Target & Test						10-16-89	DH
	A) Time						10-16-89	DH
	B) Malfunctions						10-16-89	DH
	C) Pierced Primers						10-16-89	DH
	D) Optical Clarity of Scope						10-16-89	DH
645	Inspect for Live Ammo						10-16-89	DH
655	Final Inspection							
	A) Headspace						18 Oct 89	948
	B) Trigger Pull	244	255	252	249	258	18 Oct 89	948
	C) Function						18 Oct 89	948
660	Pack						18 Oct 89	948

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

SERIAL NO. C6348849DATE 3-12-90TESTER gpl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.23	2.41	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.25	2.35	
PULL #3	2.27	2.36	2.38	
PULL #4	2.53	2.41	2.48	
PULL #5	2.38	2.35	2.40	
TOTAL	11.69	11.78	12.01	
AVG.	2.338	2.356	2.402	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.43	3.45	
PULL #2	3.41	3.45	
PULL #3	3.30	3.19	
PULL #4	3.44	3.30	
PULL #5	3.46	3.22	
TOTAL	17.04	16.69	
AVG.	3.408	3.334	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.22		4.22
PULL #2	4.20	4.07		4.27
PULL #3	4.21	4.25		4.23
PULL #4	4.19	4.29		4.20
PULL #5	4.23	4.27		4.17
TOTAL	21.09	21.10		21.09
AVG.	4.218	4.22		4.218

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348849
16 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.387083
1 TO	2	.602702
1 TO	3	.482959
1 TO	4	.501781
1 TO	5	.663501

52
34
1 <----POA

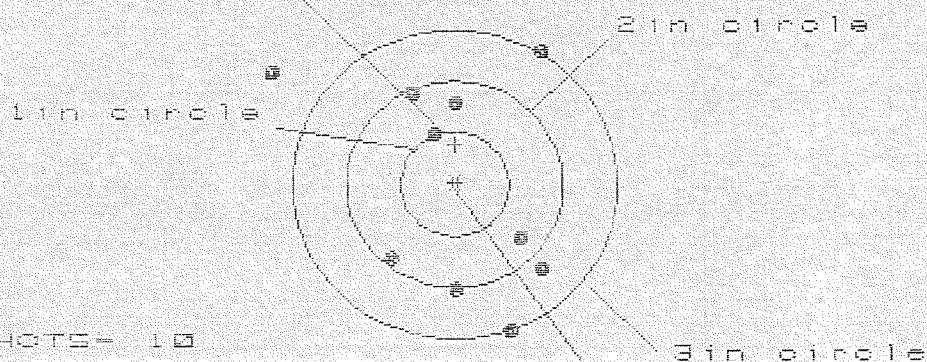
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0066
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0258
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0265811
THE BMR FOR THIS RIFLE IS: .874

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CB34B849

CENTERFIRE PATTERNS # 1

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 7

HS = 2.519

VS = 2.713

GS = 3.333

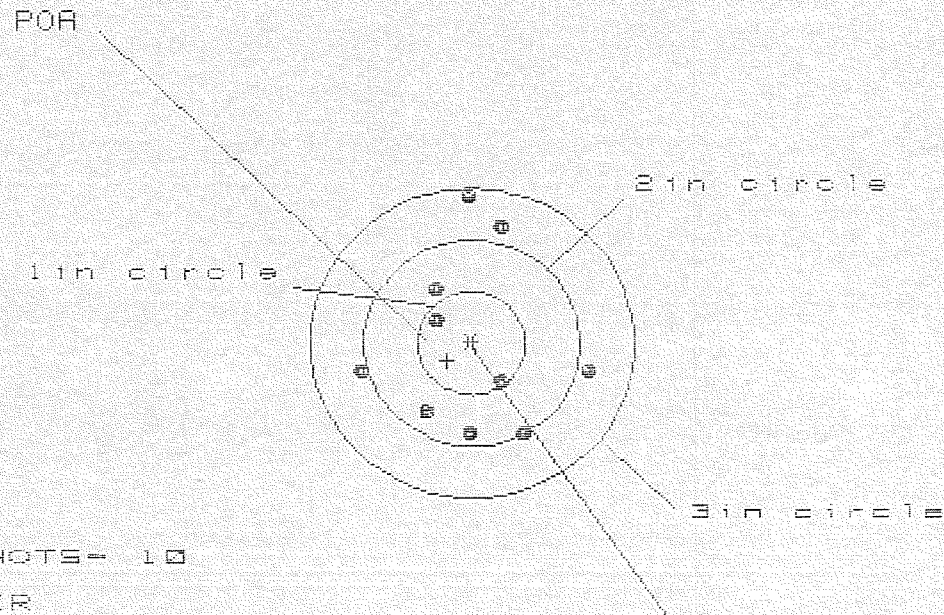
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.836	.649	.652
MINIMUM X	-1.683	-.739	-.708
MAXIMUM Y	1.280	1.403	1.199
MINIMUM Y	-1.433	-1.310	-1.135
CENTROID X	-.008	.179	.098
CENTROID Y	-.387	-.510	-.685
POA TO CENTROID in.	.387	.540	.692
MIN RADIUS	.472	.615	.586
MEAN RADIUS	1.118	1.004	.914
MAX RADIUS	2.012	1.545	1.289
HORIZONTAL SPREAD	2.519	1.438	1.360
VERTICAL SPREAD	2.713	2.713	2.334
EXTREME SPREAD	3.333	2.736	2.484
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

16 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS348849

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.105

VS= 2.277

GS= 2.306

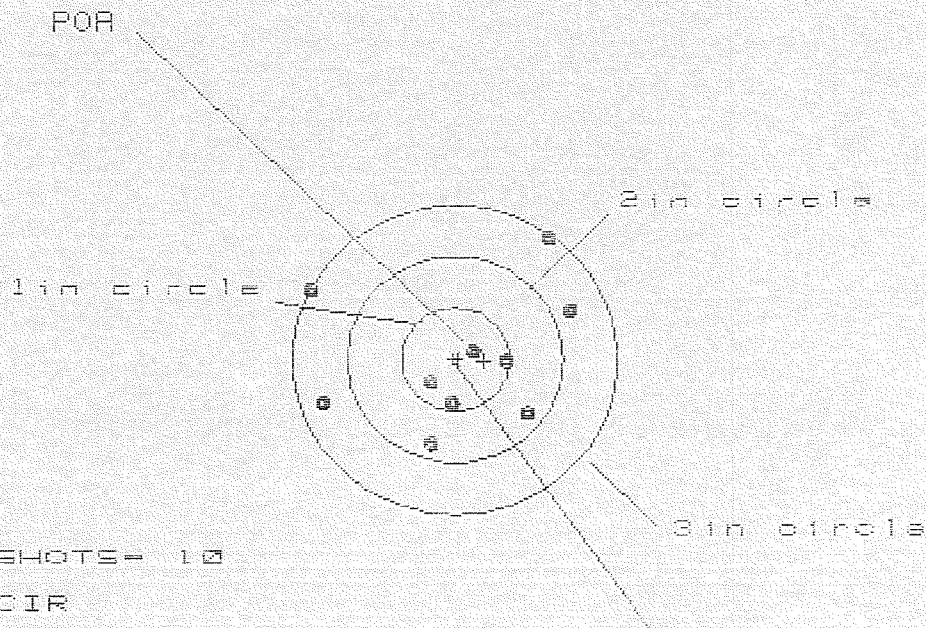
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.093	1.092	1.121
MINIMUM X	:	-1.012	-1.013	-1.084
MAXIMUM Y	:	1.406	1.258	.903
MINIMUM Y	:	-.871	-.715	-.558
CENTROID X	:	.227	.228	.199
CENTROID Y	:	.168	.012	-.145
POA TO CENTROID in.	:	.283	.229	.246
MIN RADIUS	:	.384	.336	.309
MEAN RADIUS	:	.874	.796	.714
MAX RADIUS	:	1.406	1.280	1.123
HORIZONTAL SPREAD	:	2.105	2.105	2.105
VERTICAL SPREAD	:	2.277	1.973	1.361
EXTREME SPREAD	:	2.306	2.105	2.105
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B849

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.391

VS= 1.910

GS= 2.553

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.886	.971
MINIMUM X	:	-1.355	-1.375	-1.290
MAXIMUM Y	:	1.136	1.215	.746
MINIMUM Y	:	-.774	-.695	-.544
CENTROID X	:	-.268	-.118	-.203
CENTROID Y	:	.020	-.059	-.210
POA TO CENTROID in.	:	.269	.132	.292
MIN RADIUS	:	.151	.150	.238
MEAN RADIUS	:	.845	.739	.640
MAX RADIUS	:	1.527	1.408	1.299
HORIZONTAL SPREAD	:	2.391	2.261	2.261
VERTICAL SPREAD	:	1.910	1.910	1.290
EXTREME SPREAD	:	2.553	2.553	2.432
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

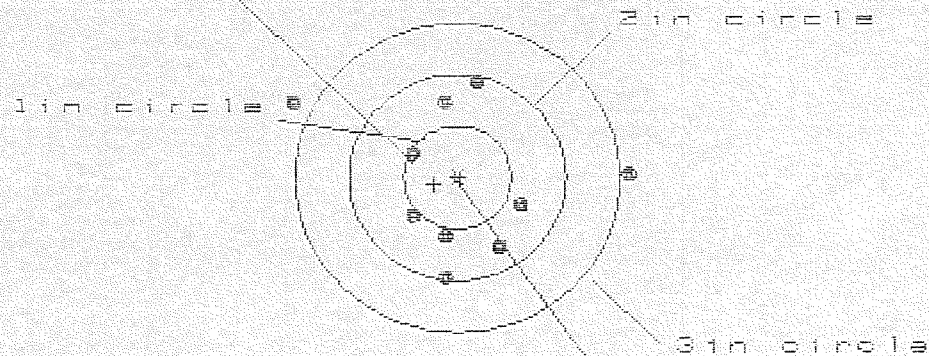
16 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CB34B049

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HS= 3.070

VS= 1.901

GS= 3.154

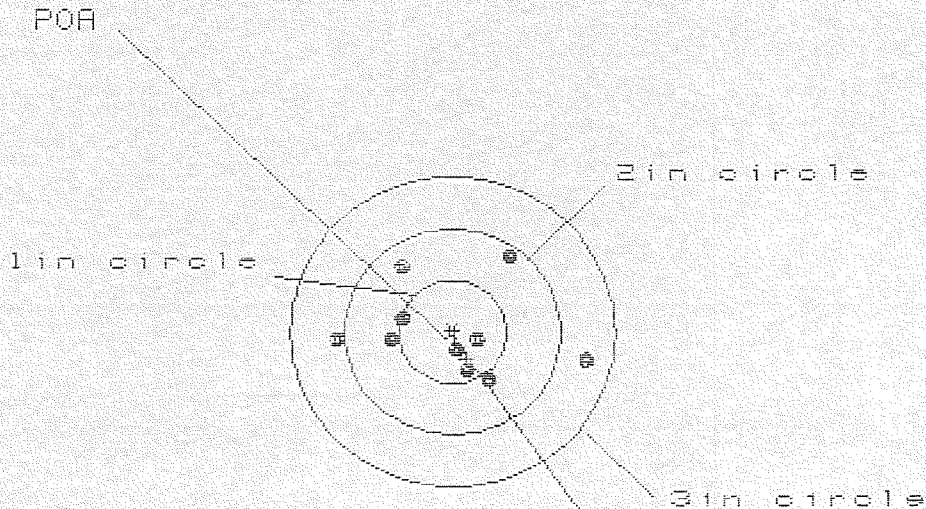
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.578	1.412	.620
MINIMUM X	:	-1.492	-.581	-.405
MAXIMUM Y	:	.973	1.059	1.076
MINIMUM Y	:	-.928	-.842	-.825
CENTROID X	:	.214	.380	.204
CENTROID Y	:	.063	-.023	-.040
POA TO CENTROID in.	:	.223	.381	.207
MIN RADIUS	:	.489	.491	.436
MEAN RADIUS	:	.891	.798	.691
MAX RADIUS	:	1.680	1.418	1.088
HORIZONTAL SPREAD	:	3.070	1.993	1.025
VERTICAL SPREAD	:	1.901	1.901	1.901
EXTREME SPREAD	:	3.154	2.025	1.920
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS = 2.288

VS = 1.213

GS = 2.302

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.268	.646	.537
MINIMUM X	-1.019	-.879	-.560
MAXIMUM Y	.752	.721	.715
MINIMUM Y	-.461	-.492	-.498
CENTROID X	-.131	-.271	-.162
CENTROID Y	.265	.296	.302
POA TO CENTROID in.	.296	.401	.343
MIN RADIUS	.200	.290	.244
MEAN RADIUS	.642	.568	.521
MAX RADIUS	1.298	.969	.894
HORIZONTAL SPREAD	2.288	1.525	1.097
VERTICAL SPREAD	1.213	1.213	1.213
EXTREME SPREAD	2.302	1.709	1.398
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	