

C6587603

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

R 94-18221

INITIAL FDC	CUSTOMER ORDER NO. DAAA09-92-C-0834	W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT ATTN: FRED MARTIN SCOPE 89-0596				
DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6587603	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62	NATO
ACCESSORIES SLING STRAP		HARD CASE		SCOPE MNTS		SCOPE BASE

FROM:

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

AL 36201-5025

SHIP TO:

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

AL

36201-5025

CUST NO: 098397 CJO.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA FRT
GUN CONDITION					REPAIR CHARGE
☐ NEW					EXCISE
☐ LIGHTLY WORN					TAX
☐ WORN					INSURANCE
☐ VERY WORN					UPS
☐ UNREPAIRABLE					PARCEL POST
☐ MARRED					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					
New Barrel						
Trigger Assy						
✓ 96043 Scope Dust Cover Front						
✓ 96044 Scope Dust Cover Rear						
✓ Front Sight Assy						
✓ Rear Sight Assy						
REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE	DATE
			4/4/96	4/4/96		

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400023604

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. E6587603DATE 3/22/96TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.75	2.40		2.91	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.16		2.81	
PULL #3	2.74	2.52		2.86	
PULL #4	2.51	2.55		2.66	
PULL #5	2.97	2.85		2.59	
TOTAL	13.63	12.48		13.83	
AVG.	2.726	2.496		2.766	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.18		
PULL #2	3.22	3.03		
PULL #3	3.48	3.24		
PULL #4	3.33	3.11		
PULL #5	3.40	2.96		
TOTAL	16.71	15.52		
AVG.	3.342	3.104		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.10		4.19
PULL #2	4.29	4.20		4.19
PULL #3	4.23	4.09		4.09
PULL #4	4.05	4.39		4.19
PULL #5	4.16	4.36		4.11
TOTAL	20.96	21.14		20.77
AVG.	4.192	4.228		4.154

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587603
5 Feb 1980

CENTROIDAL DISTANCES

0 TO	1	.761883
1 TO	2	.364387
1 TO	3	.161137
1 TO	4	.459639
1 TO	5	.473206

5
3 2
4
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .473
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .6168
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .777285
THE AMR FOR THIS RIFLE IS: 1.014

5 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 1

2 in - 3

3 in = 7

HS- 2.608

VS= 2.917

GS= 3.445

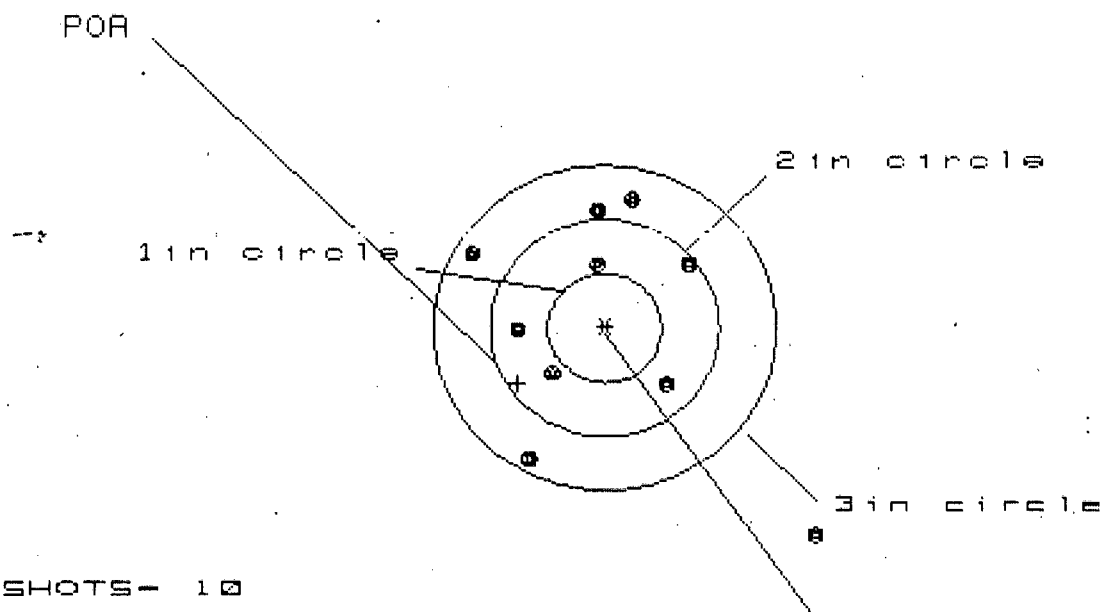
PATTERN #	318	C100	8
SHOTS (BEST OF)	10		8
MAXIMUM X	1.313	1.222	1.256
MINIMUM X	-1.295	-1.422	-1.352
MAXIMUM Y	1.421	1.437	1.270
MINIMUM Y	-1.496	-1.338	-1.070
CENTROID X	.421	.548	.478
CENTROID Y	.635	.477	.644
POA TO CENTROID in.	.762	.727	.802
MIN RADIUS	.147	.343	.164
MEAN RADIUS	1.197	1.115	1.059
MAX RADIUS	1.824	1.756	1.580
HORIZONTAL SPREAD	2.608	2.608	2.608
VERTICAL SPREAD	2.917	2.775	2.340
EXTREME SPREAD	3.445	3.189	2.956
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	

5 Feb 1908

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 5

3 in - 9

HS- 2.956

VS- 3.085

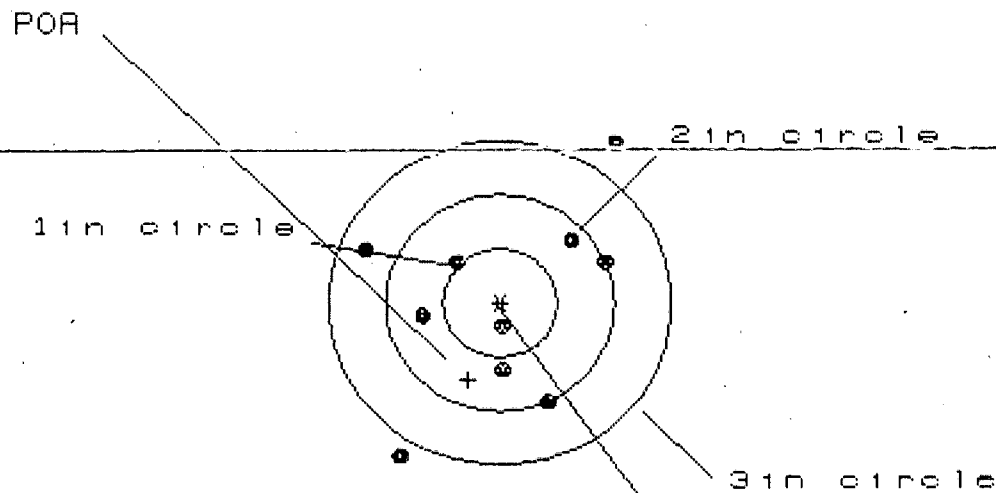
GS- 3.913

PATTERN #	:	21	20
SHOTS (BEST OF)	:	10	8
MAXIMUM X	:	1.790	.843
MINIMUM X	:	-1.166	-1.022
MAXIMUM Y	:	1.183	.797
MINIMUM Y	:	-1.902	-.863
CENTROID X	:	.764	.621
CENTROID Y	:	.512	.898
POA TO CENTROID in.	:	.920	1.091
MIN RADIUS	:	.579	.189
MEAN RADIUS	:	1.114	.796
MAX RADIUS	:	2.612	1.106
HORIZONTAL SPREAD	:	2.956	1.866
VERTICAL SPREAD	:	3.085	1.660
EXTREME SPREAD	:	3.913	2.059
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

5 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587603

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 2.243

VS= 2.909

GS= 3.479

PATTERN #	132	133	134
SHOTS (BEST OF)	10	8	8
MAXIMUM X	1.052	.946	.946
MINIMUM X	-1.191	-1.074	-1.167
MAXIMUM Y	1.480	.745	.587
MINIMUM Y	-1.429	-1.264	-.870
CENTROID X	.280	.163	.256
CENTROID Y	.713	.548	.706
POA TO CENTROID in.	.766	.572	.751
MIN RADIUS	.257	.194	.257
MEAN RADIUS	.976	.859	.783
MAX RADIUS	1.816	1.465	1.266
HORIZONTAL SPREAD	2.243	2.113	2.113
VERTICAL SPREAD	2.909	2.009	1.457
EXTREME SPREAD	3.479	2.522	2.118
NUMBER IN ONE INCH CIRCLE	=	1	1
NUMBER IN TWO INCH CIRCLE	=	7	7
NUMBER IN THREE INCH CIRCLE	=	8	8

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 4.001

VS= 1.574

GS= 4.014

CENTROID #

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

24

10

2.548

-1.453

.870

-.704

.099

.307

.323

.039

1.095

2.555

4.001

1.574

4.014

-1.178

.850

-.724

-.184

.327

.376

.165

.902

1.602

2.553

1.574

2.881

2

5

8

.237

-1.101

.784

-.790

-.038

.393

.395

.189

.842

1.443

2.338

1.574

2.727

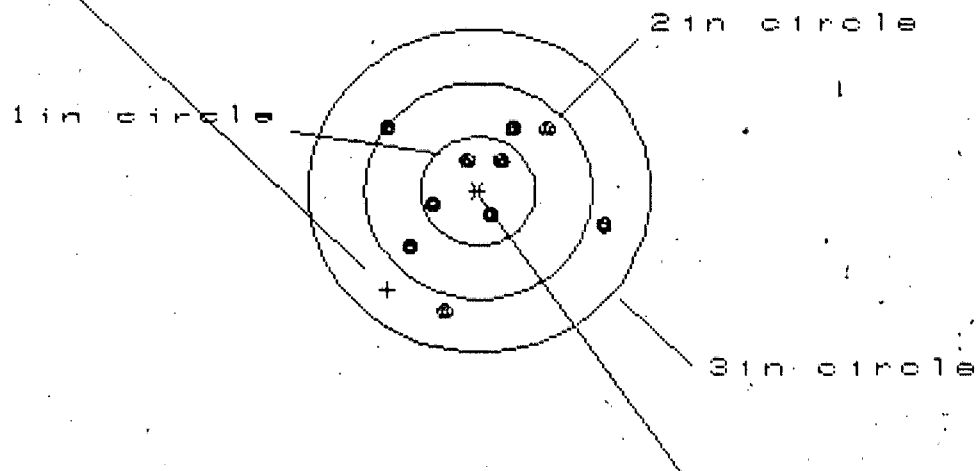
5 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1 in - 4

2 in - 7

3 in = 10

HS- 1.073

VS= 1.702

GS= 2.065

CENTROID #

PATTERN #

5

SHOTS (BEST OF)

10

8

MAXIMUM X	1.054	.711
MINIMUM X	-.819	-.724
MAXIMUM Y	.595	.422
MINIMUM Y	-1.107	-.662
CENTROID X	.801	.706
CENTROID Y	.917	1.090
POA TO CENTROID in.	1.217	1.298
MIN RADIUS	.256	.088
MEAN RADIUS	.689	.552
MAX RADIUS	1.146	.852
HORIZONTAL SPREAD	1.873	1.435
VERTICAL SPREAD	1.702	1.084
EXTREME SPREAD	2.065	1.648
NUMBER IN ONE INCH CIRCLE =	4	
NUMBER IN TWO INCH CIRCLE =	7	
NUMBER IN THREE INCH CIRCLE =	10	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587603

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	6 1/4	6 1/4	6			5/6/96	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			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	2.33	2.29	2.34	2.41	2.36	4/18/96	WB
	C) Function							
660	Pack							

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

SERIAL NO.
C6587600

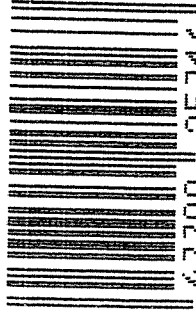
ORDER NO.
5716

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



5716 C6587600

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL # C6587603

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	GL
617	Drill and Tap Sight Holes		11/6/90	KB
618	Polish Barrel RB		11/7/90	KB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)		11-26-90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		12/14/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/14/90	KS
	C) Inspect Ejector Hole for Chamfer		12/14/90	KS
	D) Oil Firing Pin Ass'y		12/14/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/7/91	JA

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6.0	6.25	6.25			1/3/91	KT
	G) Safety Off Force	3.25	3.25	3.25			1/3/91	KT
	H) Trigger Pull Test & Retainability						1/7/91	JL
	I) Firing Pin Indent	.021	.021	.021			1/3/91	KT
	J) Assemble Stock						1/14/91	Kd
	K) Assemble Swivel Studs						1-15-91	JL
	L) Attach Front and Rear Sight Assemblies						1/14/91	Kd
	M) Iron Sight Alignment						1/14/91	Kd
	N) Detach Front & Rear Sights & place in numbered container						1/14/91	Kd
	O) Attach Scope to Rifle						1/14/91	Kd
	P) Detach & Attach Scope 20 Times						1/14/91	Kd
640	Gallery Target & Test						1-14-91	AC
	A) Time						1-14-91	AC
	B) Malfunctions						1-14-91	AC
	C) Pierced Primers						1-14-91	AC
	D) Optical Clarity of Scope						1-14-91	AC
645	Inspect for Live Ammo						1-14-91	AC
655	Final Inspection							
	A) Headspace						1-15-91	JL
	B) Trigger Pull	2.46	2.50	2.49	2.46	2.46	1-15-91	JL
	C) Function						1-15-91	JL
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587603

DATE 1-7-91

TESTER 84

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.48	2.41	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.49	2.44	2.50	
PULL #3	2.45	2.50	2.41	2.49	
PULL #4	2.47	2.45	2.43	2.46	
PULL #5	2.49	2.46	2.39	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.36		
PULL #2	3.13	3.33		
PULL #3	3.17	3.35		
PULL #4	3.17	3.41		
PULL #5	3.31	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.30		4.34
PULL #2	4.25	4.33		4.30
PULL #3	4.31	4.31		4.34
PULL #4	4.30	4.35		4.21
PULL #5	4.31	4.37		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587603
15 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.196092
1 TO	2	.441888
1 TO	3	.256127
1 TO	4	.0904268
1 TO	5	.502786

$\frac{25}{43}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0462
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0474455
THE AMR FOR THIS RIFLE IS: .8788

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0507603

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS= 2.486

VS= 2.441

GS= 3.147

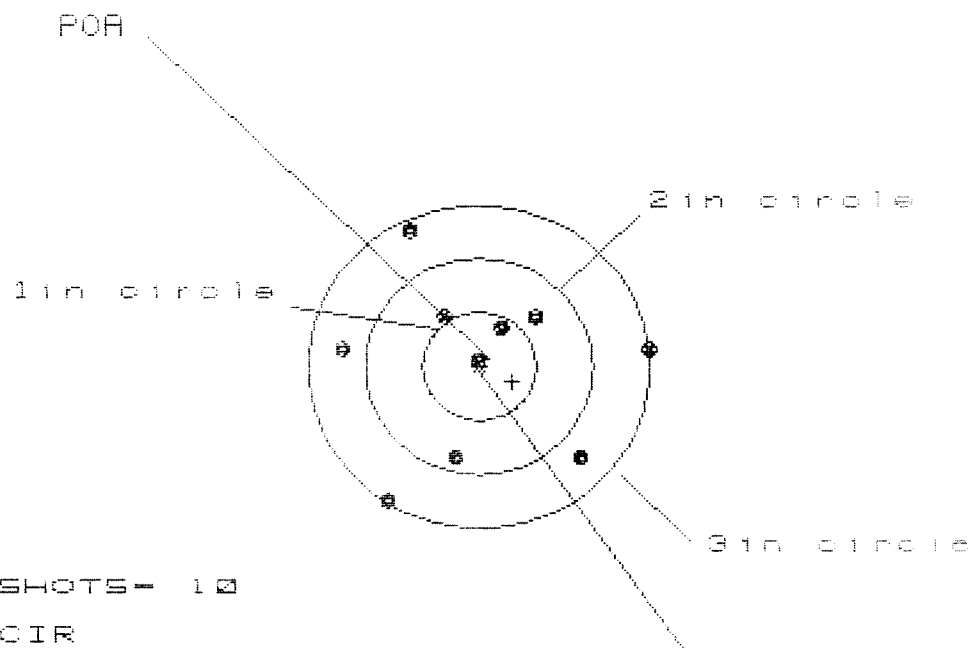
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.164	1.017	.630
MINIMUM X	:	-1.322	-1.071	-.944
MAXIMUM Y	:	.668	.471	.466
MINIMUM Y	:	-1.773	-.381	-.386
CENTROID X	:	-.006	.141	.014
CENTROID Y	:	-.196	.001	.006
POA TO CENTROID in.	:	.196	.141	.015
MIN RADIUS	:	.164	.082	.105
MEAN RADIUS	:	.758	.555	.500
MAX RADIUS	:	2.211	1.079	.954
HORIZONTAL SPREAD	:	2.486	2.088	1.574
VERTICAL SPREAD	:	2.441	.852	.852
EXTREME SPREAD	:	3.147	2.090	1.578
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C85876B3

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.663

VS= 2.526

GS= 2.675

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.470	1.378	1.008
MINIMUM X	:	-1.194	-1.285	-1.112
MAXIMUM Y	:	1.270	1.131	1.129
MINIMUM Y	:	-1.256	-.975	-.977
CENTROID X	:	-.293	-.201	-.374
CENTROID Y	:	.140	.279	.281
POA TO CENTROID in.	:	.324	.344	.467
MIN RADIUS	:	.028	.164	.136
MEAN RADIUS	:	.935	.858	.783
MAX RADIUS	:	1.500	1.378	1.403
HORIZONTAL SPREAD	:	2.663	2.663	2.120
VERTICAL SPREAD	:	2.526	2.106	2.106
EXTREME SPREAD	:	2.675	2.663	2.577
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 2.631

VS= 2.294

GS= 2.921

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.322	1.421	1.294
MINIMUM X	:	-1.309	-1.210	-1.032
MAXIMUM Y	:	1.245	.581	.516
MINIMUM Y	:	-1.049	-.911	-.976
CENTROID X	:	.249	.150	-.028
CENTROID Y	:	-.172	-.310	-.245
POA TO CENTROID in.	:	.303	.345	.246
MIN RADIUS	:	.385	.313	.263
MEAN RADIUS	:	1.003	.929	.847
MAX RADIUS	:	1.529	1.515	1.296
HORIZONTAL SPREAD	:	2.631	2.631	2.327
VERTICAL SPREAD	:	2.294	1.492	1.492
EXTREME SPREAD	:	2.921	2.832	2.359
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

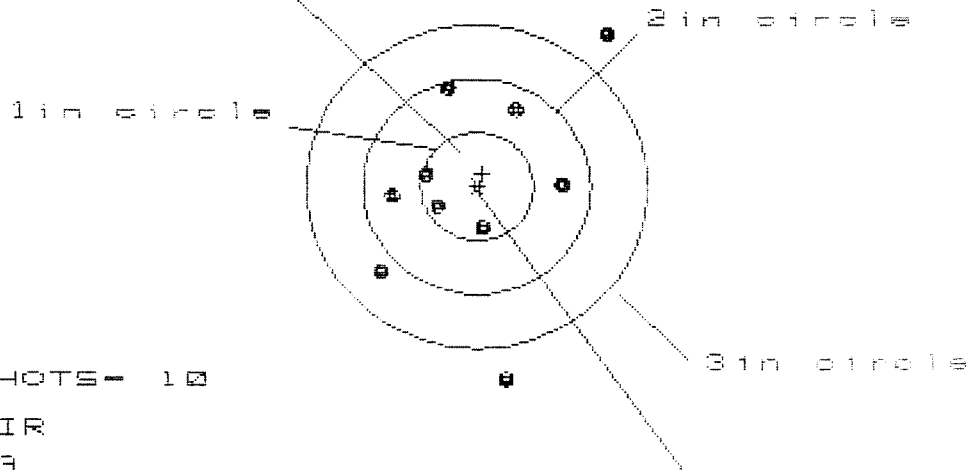
15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.947

VS= 3.217

GS= 3.332

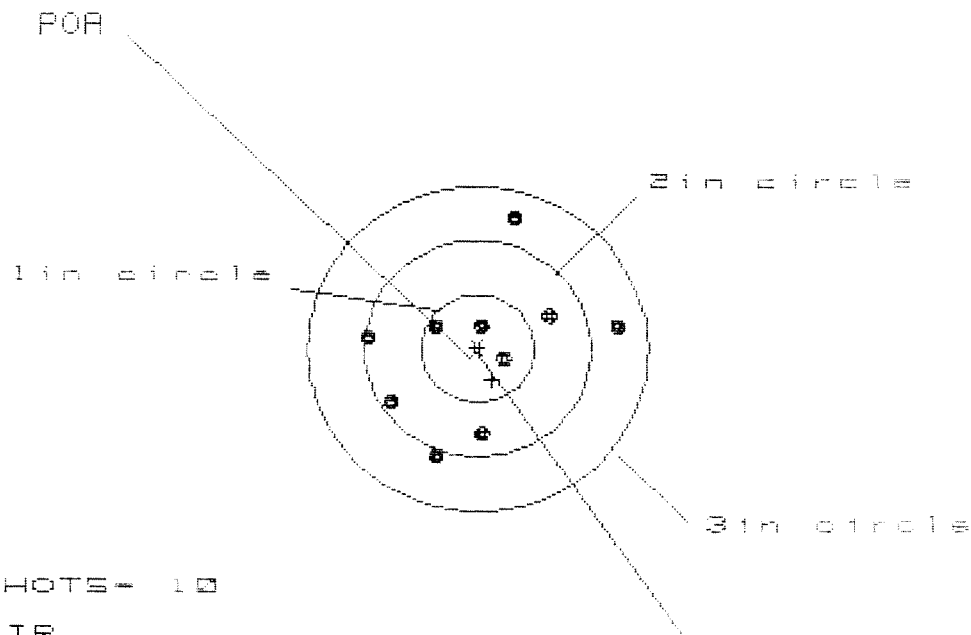
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	1.170	.904
MINIMUM X	:	-.807	-.777	-.630
MAXIMUM Y	:	1.405	1.203	.887
MINIMUM Y	:	-1.812	-.979	-.828
CENTROID X	:	-.050	-.080	-.227
CENTROID Y	:	-.117	.085	-.066
POA TO CENTROID in.:	:	.127	.117	.236
MIN RADIUS	:	.388	.396	.263
MEAN RADIUS	:	.928	.825	.668
MAX RADIUS	:	1.832	1.679	1.041
HORIZONTAL SPREAD	:	1.947	1.947	1.534
VERTICAL SPREAD	:	3.217	2.182	1.715
EXTREME SPREAD	:	3.332	2.924	1.958
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587683

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.236

VS= 2.193

GS= 2.290

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.245	1.276	.859
MINIMUM X	:	-.991	-.960	-.800
MAXIMUM Y	:	1.248	.412	.450
MINIMUM Y	:	-.945	-.806	-.768
CENTROID X	:	-.131	-.162	-.322
CENTROID Y	:	.291	.152	.114
POA TO CENTROID in.	:	.319	.222	.342
MIN RADIUS	:	.206	.251	.411
MEAN RADIUS	:	.770	.717	.639
MAX RADIUS	:	1.280	1.311	.970
HORIZONTAL SPREAD	:	2.236	2.236	1.659
VERTICAL SPREAD	:	2.193	1.218	1.216
EXTREME SPREAD	:	2.290	2.237	1.659
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	