

C6587578

MODEL 700™ M24

Model **SMS**™

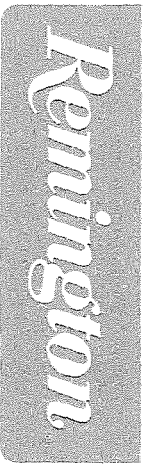
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



M2400023107

07/10/08 07:55:55

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00147466

Serial: C6587578 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/10/2008 5:28:05 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PUEBLO CHEMICAL DEPOT

PUEBLO CHEMICAL DEPOT

Address 1: 45825 HWY 96 EAST BLDG 78

45825 HWY 96 EAST BLDG 78

Address 2: PO Box:

PO Box:

City: PUEBLO

PUEBLO

State: CO

Zip Code: 81006

Country: US

State: CO

Zip Code: 81006

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A009	Soft Case	1
A026	Scope	1
A045	Bi Pod	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

naglelj

7/10/2008

7:55 AM

CLF

NUM

INS

SERL



7:55 AM

Number: C6587578

Model: M24 SWS



RE00147466

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & I NUMBER

SERIAL NUMBER

C658 7578

LOG-IN DATE

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-18-08	RTZ
505	RE-BARREL	7-19-08	RTZ
560	ASSEMBLE	7-19-08	RTZ
600	PROOF	7-21-08	TRW
605	CHECK HEADSPACE	7-21-08	TRW
610	DIS-ASSEMBLE GUN	7-21-08	RTZ
612	MAGNAFLUX	7/25/08	BA
610	DRILL AND TAP	7-21-08	SP
615	ROLLMARK CALIBER	7/25/08	RT
618	ROTO-BLAST	7-28-08	DG
620	APPLY COATINGS		
625	FINAL ASSEMBLY	8-1	CA
640	FUNCTION TEST AND	PASS FAIL 8-6-08	TRW
650	TARGET	PASS FAIL 8-6-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	8-6-08 TC
670	FINAL INSPECTION A) HEADSPACE	PASS FAIL 8-7-08	RTZ
	4.5 LBS MIN 2.50 LBS BI TRIGGER PULL MAX 4.0 LBS	2.72 2.72 2.74 2.65 2.63 8-7-08	RTZ
680	F) SAFETY ON FORCE	6.9 6.9 6.9 8-7-08	RTZ
	2 LBS MAX	4.50 4.50 4.50 8-7-08	RTZ
	G) SAFETY OFF FORCE	0.22 0.22 0.22 8-7-08	RTZ
	H) FIRING PIN INDENT .020		
690	PACK	8/8/08	Fm

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 7-18-08

TESTER S. Day

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.68	2.87		2.72	
PULL #2	2.75	2.81		2.70	
PULL #3	2.75	2.76		2.69	
PULL #4	2.77	2.76		2.68	
PULL #5	2.68	2.73		2.62	
TOTAL	1363	1393		1341	
AVERAGE	2.72	2.78		2.68	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.41		
PULL #2	3.21	3.30		
PULL #3	3.19	3.27		
PULL #4	3.19	3.17		
PULL #5	3.24	3.10		
TOTAL	1594	1625		
AVERAGE	3.18	3.25		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.13	4.34		4.17
PULL #2	4.03	4.16		4.20
PULL #3	4.00	4.07		4.05
PULL #4	3.94	4.03		4.17
PULL #5	3.94	3.95		4.18
TOTAL	1950	2055		2077
AVERAGE	3.90	4.11		4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587578.__0
FILE DATE AND TIME: 08/06/2008 14:19

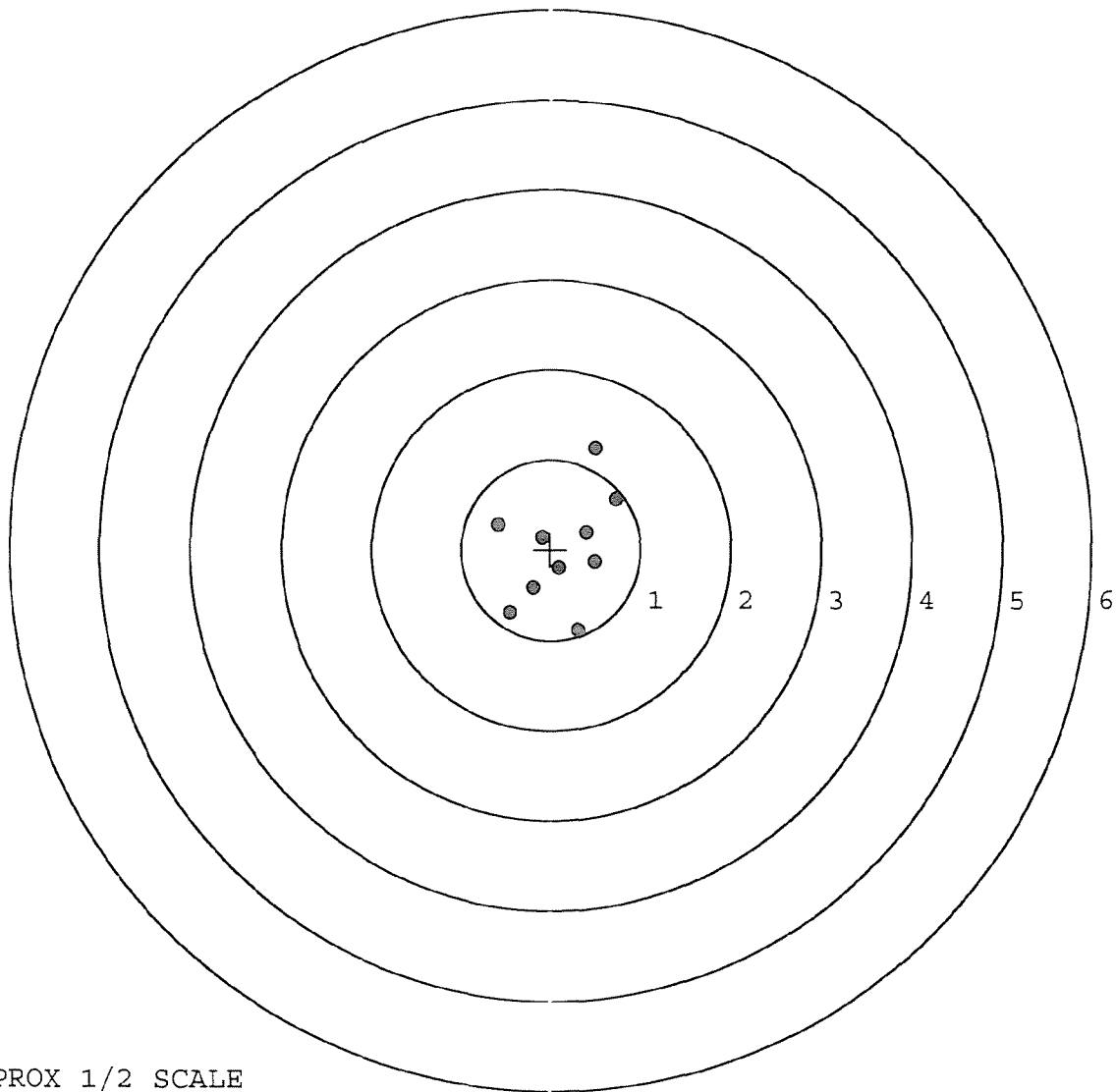
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	0.042
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.673
The Distance from POA to Centroid Target #1:	0.120
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.127
The Distance from Centroid Target #4 to Centroid Target #1:	0.231
The Distance from Centroid Target #5 to Centroid Target #1:	0.209

SERIAL NUMBER: C6587578. __0
TARGET NUMBER: 1
FILE DATE: 08/06/2008
FILE TIME: 14:19

POINT#	X	Y
1:	0.309	-0.892
2:	-0.198	-0.421
3:	-0.454	-0.695
4:	-0.087	0.136
5:	-0.589	0.276
6:	0.098	-0.206
7:	0.496	-0.132
8:	0.396	0.195
9:	0.722	0.561
10:	0.503	1.129

X CENTROID: 0.120
Y CENTROID: -0.005
POA TO CENTROID: 0.120
HORZ SPREAD: 1.311
VERT SPREAD: 2.021
GROUP SPREAD: 2.060
MIN RADIUS: 0.202
MAX RADIUS: 1.197
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587578. __0

TARGET NUMBER: 2

FILE DATE: 08/06/2008

FILE TIME: 14:19

POINT#	X	Y
1:	0.495	-1.250
2:	0.570	-0.461
3:	-0.212	-0.884
4:	0.208	-0.031
5:	-0.390	-0.438
6:	-0.227	0.351
7:	0.187	0.744
8:	0.834	0.819
9:	-1.044	0.397
10:	-1.099	0.736

X CENTROID: -0.068

Y CENTROID: -0.002

POA TO CENTROID: 0.068

HORZ SPREAD: 1.933

VERT SPREAD: 2.069

GROUP SPREAD: 2.547

MIN RADIUS: 0.277

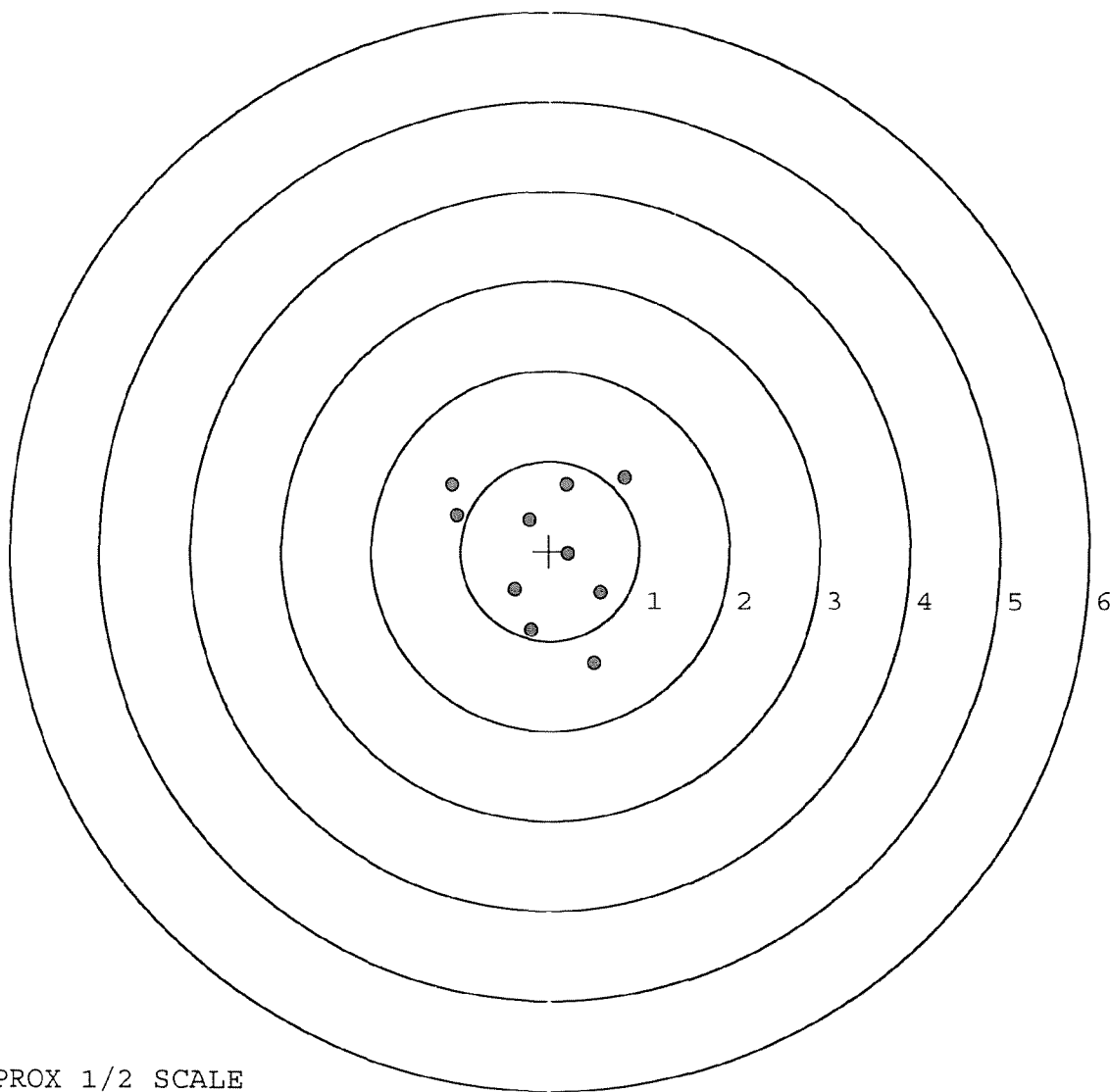
MAX RADIUS: 1.369

MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

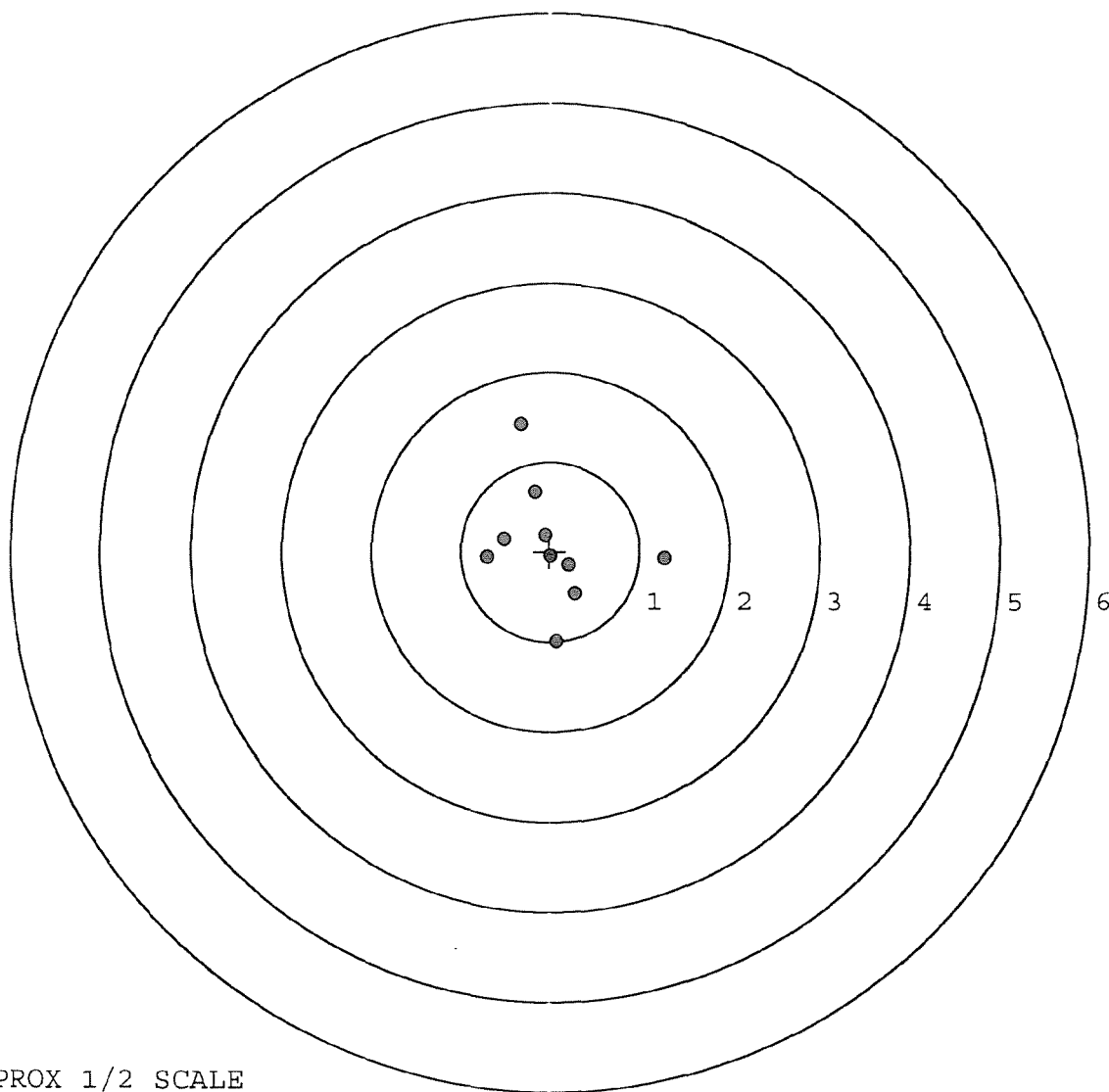


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587578. __0
TARGET NUMBER: 3
FILE DATE: 08/06/2008
FILE TIME: 14:19

POINT#	X	Y
1:	0.075	-1.005
2:	0.283	-0.472
3:	1.285	-0.077
4:	-0.330	1.414
5:	-0.168	0.666
6:	-0.516	0.143
7:	-0.704	-0.061
8:	-0.048	0.184
9:	0.007	-0.051
10:	0.215	-0.153

X CENTROID: 0.010
Y CENTROID: 0.059
POA TO CENTROID: 0.060
HORZ SPREAD: 1.989
VERT SPREAD: 2.419
GROUP SPREAD: 2.453
MIN RADIUS: 0.110
MAX RADIUS: 1.397
MEAN RADIUS: 0.677
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

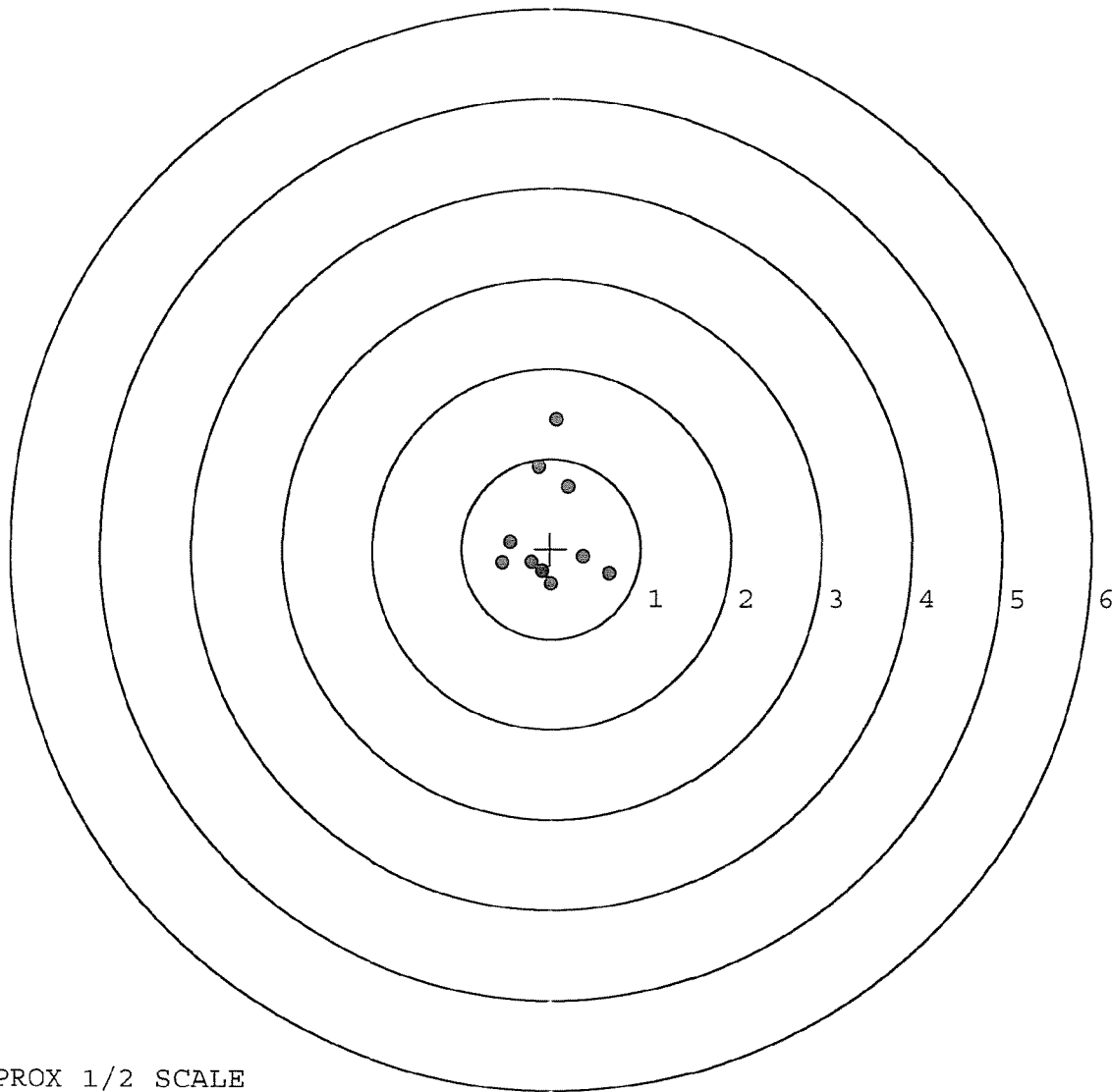


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587578. __0
TARGET NUMBER: 4
FILE DATE: 08/06/2008
FILE TIME: 14:19

POINT#	X	Y
1:	0.188	0.690
2:	-0.140	0.913
3:	0.060	1.435
4:	0.648	-0.276
5:	0.362	-0.093
6:	-0.001	-0.390
7:	-0.097	-0.252
8:	-0.217	-0.153
9:	-0.457	0.075
10:	-0.544	-0.160

X CENTROID: -0.020
Y CENTROID: 0.179
POA TO CENTROID: 0.180
HORZ SPREAD: 1.192
VERT SPREAD: 1.825
GROUP SPREAD: 1.826
MIN RADIUS: 0.386
MAX RADIUS: 1.259
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587578. 0

TARGET NUMBER: 5

FILE DATE: 08/06/2008

FILE TIME: 14:19

POINT#	X	Y
--------	---	---

1:	0.739	0.090
----	-------	-------

2:	0.369	0.267
----	-------	-------

3:	0.188	0.147
----	-------	-------

4:	0.133	-0.214
----	-------	--------

5:	-0.062	0.479
----	--------	-------

6:	-0.407	-0.026
----	--------	--------

7:	-0.926	0.660
----	--------	-------

8:	-0.541	-0.427
----	--------	--------

9:	-0.120	-0.471
----	--------	--------

10:	-0.264	-0.732
-----	--------	--------

X CENTROID: -0.089

Y CENTROID: -0.023

POA TO CENTROID: 0.092

HORZ SPREAD: 1.665

VERT SPREAD: 1.392

GROUP SPREAD: 1.760

MIN RADIUS: 0.293

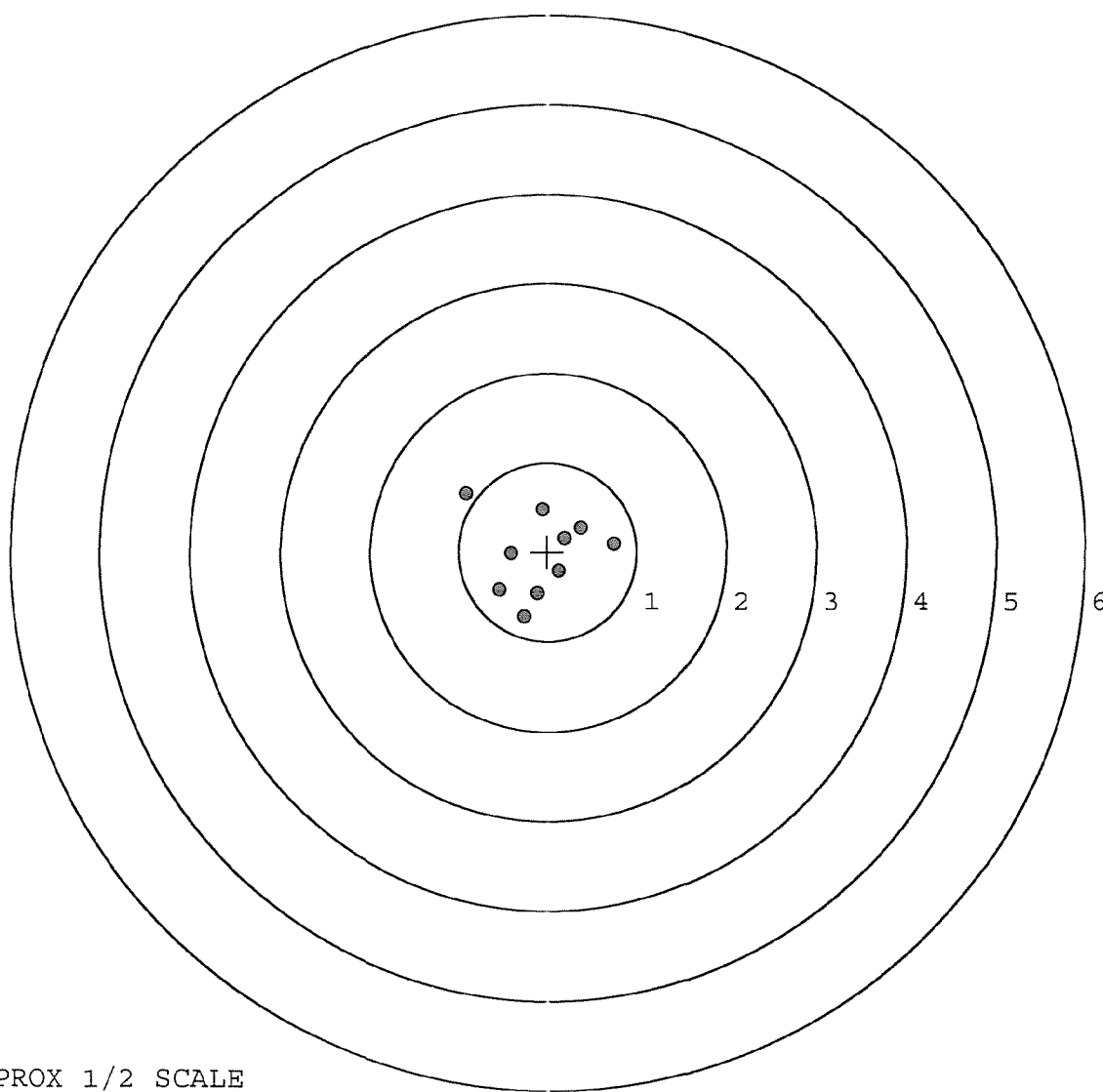
MAX RADIUS: 1.080

MEAN RADIUS: 0.568

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

NMP COPY 2

From:
Pueblo Chemical Depot
45825 Hwy 96 East, Bldg 78
Pueblo, CO 81006-9330

Remington[®]

MODEL 700TM M24

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

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

SERIAL NO.
C6587578

ORDER NO.
5716

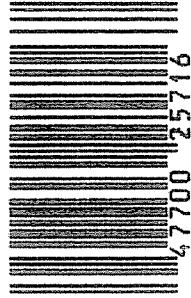
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6587578

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587578

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/19/90	KA
600	Proof		10/19/90	KA
607	Check Headspace		10/19/90	KA
610	Dis-assemble Gun		10/19/90	KA
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/24/90	JS
617	Drill and Tap Sight Holes		10/24/90	FB
618	Polish Barrel <i>FB</i>		10/24/90	WLB
620	Apply Coatings (Barrel Action)		11-90	TH
	Apply Coating (Bolt)			TH
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/28/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			11/28/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			11/28/90	WB
	H) Trigger Pull Test & Retainability						11/28/90	WB
	I) Firing Pin Indent	.020	.021	.0205			11/28/90	WB
	J) Assemble Stock						11/29/90	KS
	K) Assemble Swivel Studs						12-4-90	gss
	L) Attach Front and Rear Sight Assemblies						11/29/90	KS
	M) Iron Sight Alignment						11/29/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/29/90	KS
	O) Attach Scope to Rifle						11/29/90	KS
	P) Detach & Attach Scope 20 Times						11/29/90	KS
640	Gallery Target & Test						12-1-90	AC
	A) Time						12-1-90	AC
	B) Malfunctions						12-1-90	AC
	C) Pierced Primers						12-1-90	AC
	D) Optical Clarity of Scope						12-1-90	AC
645	Inspect for Live Ammo						12-1-90	AC
655	Final Inspection						12-4-90	gss
	A) Headspace						12-4-90	gss
	B) Trigger Pull	231	222	214	221	212	12-4-90	gss
	C) Function						12-4-90	gss
660	Pack						12/19/90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO C6587578
DATE 11-28-90
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.26	2.32	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.32	2.19	2.23	
PULL #3	2.43	2.31	2.21	2.14	
PULL #4	2.41	2.25	2.31	2.21	
PULL #5	2.44	2.32	2.25	2.12	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.03		
PULL #2	3.50	3.45		
PULL #3	3.44	3.44		
PULL #4	3.44	3.50		
PULL #5	3.38	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.20		4.15
PULL #2	4.13	4.23		4.19
PULL #3	4.34	4.15		4.20
PULL #4	4.23	4.14		4.18
PULL #5	4.12	4.11		4.10
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587578
1 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.180472
1 TO	2	.319751
1 TO	3	.347615
1 TO	4	.328332
1 TO	5	.261169

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

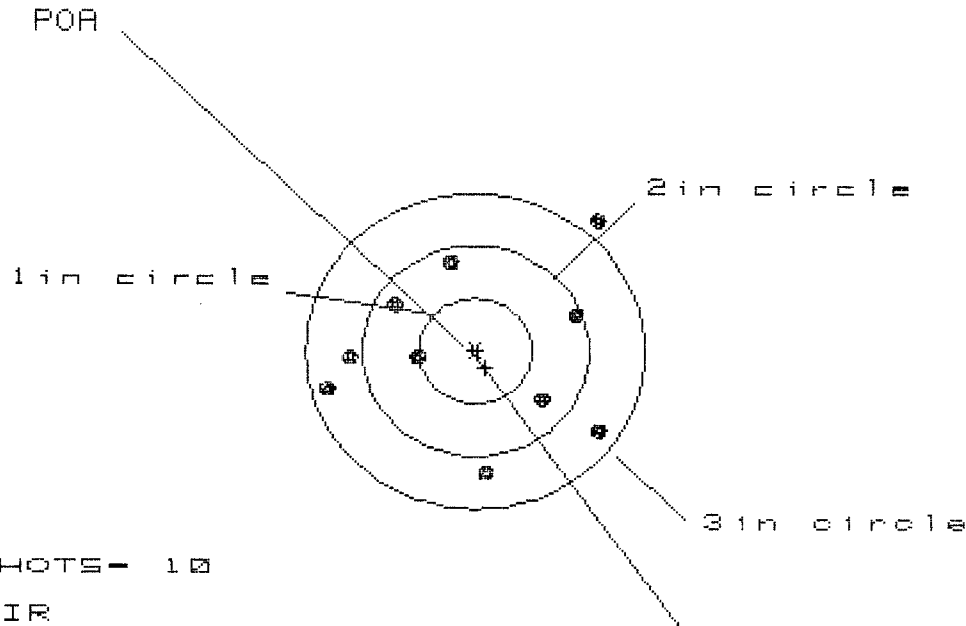
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0934
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0154
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0946611

THE AMR FOR THIS RIFLE IS: 1.02

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587578

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.474

VS= 2.338

GS= 2.876

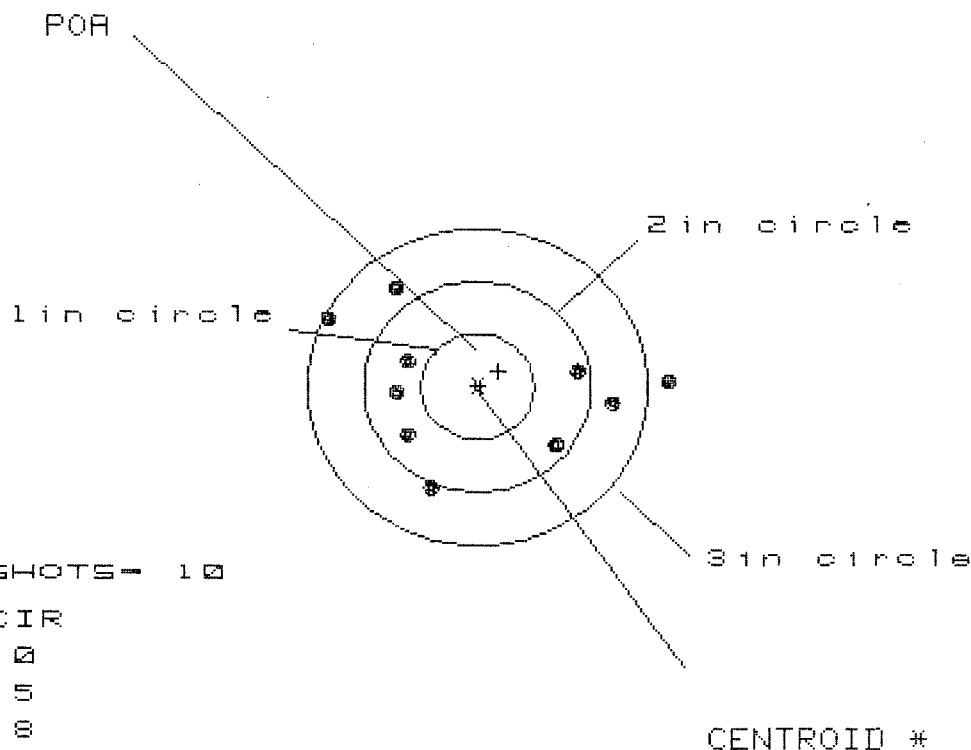
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.119	1.238	1.083
MINIMUM X	-1.355	-1.236	-1.112
MAXIMUM Y	1.194	.993	.965
MINIMUM Y	-1.144	-1.011	-1.039
CENTROID X	-.089	-.208	-.053
CENTROID Y	.157	.024	.052
POA TO CENTROID in.	.180	.209	.074
MIN RADIUS	.464	.358	.504
MEAN RADIUS	1.039	.960	.924
MAX RADIUS	1.601	1.406	1.287
HORIZONTAL SPREAD	2.474	2.474	2.195
VERTICAL SPREAD	2.338	2.004	2.004
EXTREME SPREAD	2.876	2.513	2.310
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587578

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 3.014

VS= 1.859

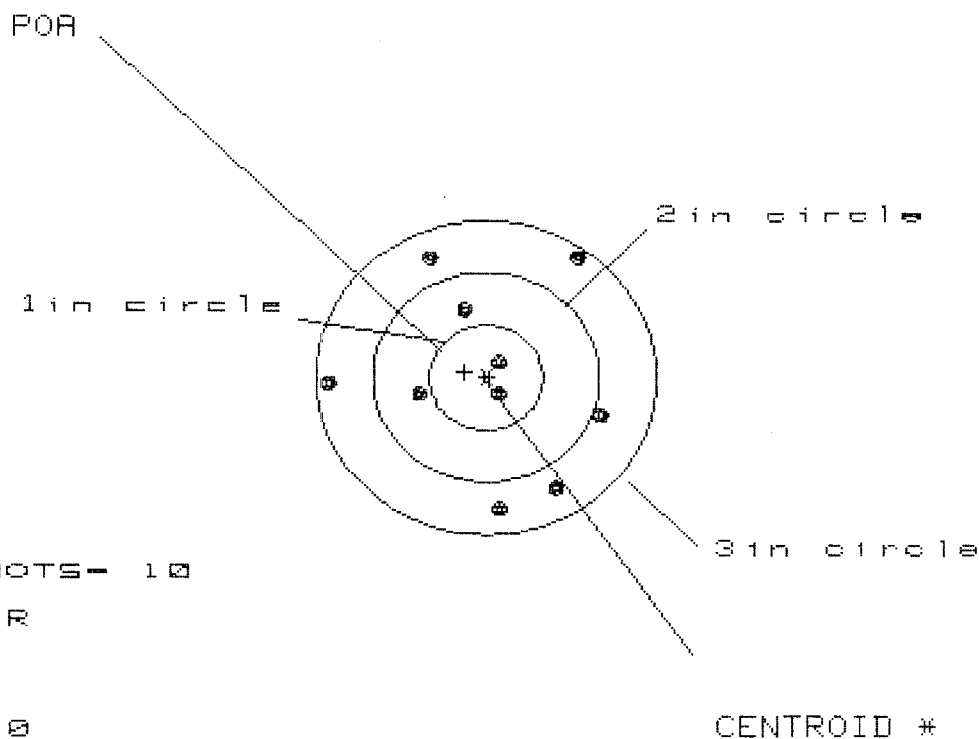
GS= 3.073

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.652	1.326	1.179
MINIMUM X	:	-1.362	-1.179	-.720
MAXIMUM Y	:	.907	.917	1.005
MINIMUM Y	:	-.952	-.942	-.854
CENTROID X	:	-.185	-.368	-.221
CENTROID Y	:	-.148	-.158	-.246
POA TO CENTROID in.	:	.237	.401	.331
MIN RADIUS	:	.645	.494	.655
MEAN RADIUS	:	1.043	.943	.895
MAX RADIUS	:	1.654	1.373	1.237
HORIZONTAL SPREAD	:	3.014	2.505	1.899
VERTICAL SPREAD	:	1.859	1.859	1.859
EXTREME SPREAD	:	3.073	2.635	2.161
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587578

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 10

HS= 2.321

VS= 2.448

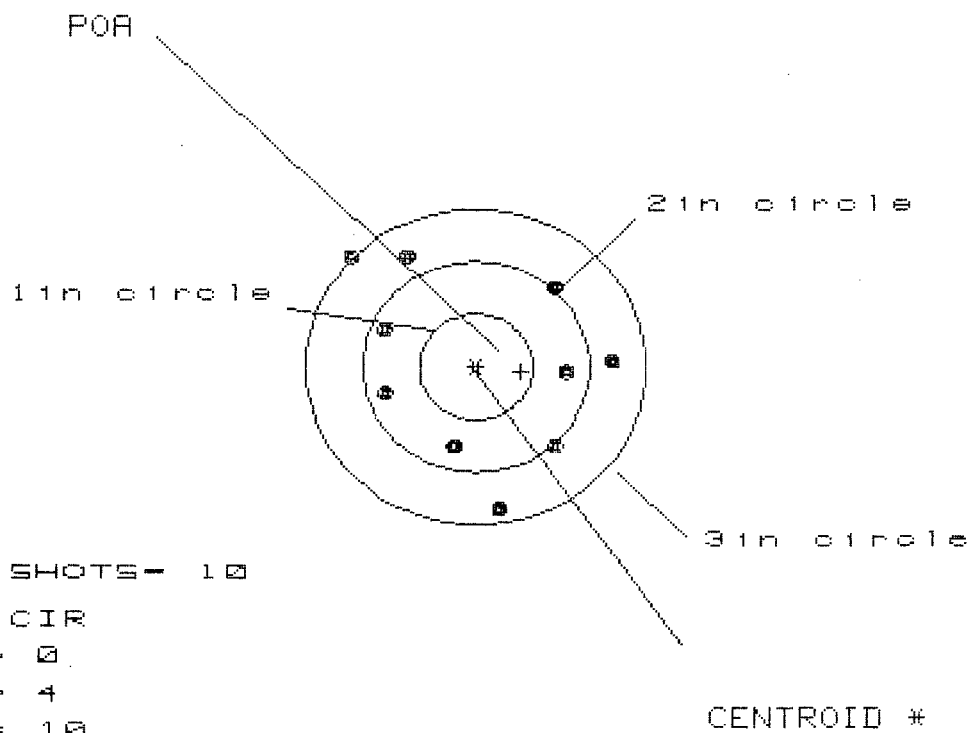
GS= 2.542

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.979	1.063	.906
MINIMUM X	:	-1.342	-1.258	-.700
MAXIMUM Y	:	1.169	1.298	1.313
MINIMUM Y	:	-1.279	-1.150	-1.135
CENTROID X	:	.191	.107	.264
CENTROID Y	:	-.049	-.178	-.193
POA TO CENTROID in.	:	.197	.208	.327
MIN RADIUS	:	.208	.170	.050
MEAN RADIUS	:	.934	.881	.810
MAX RADIUS	:	1.390	1.375	1.448
HORIZONTAL SPREAD	:	2.321	2.321	1.606
VERTICAL SPREAD	:	2.448	2.448	2.448
EXTREME SPREAD	:	2.542	2.542	2.542
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587578

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.255

VS= 2.439

GS= 2.730

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.185	1.066	1.073
MINIMUM X	:	-1.070	-.960	-.953
MAXIMUM Y	:	1.050	1.166	1.007
MINIMUM Y	:	-1.389	-1.273	-.832
CENTROID X	:	-.398	-.279	-.286
CENTROID Y	:	.046	-.069	.090
POA TO CENTROID in.:	:	.401	.288	.300
MIN RADIUS	:	.754	.633	.648
MEAN RADIUS	:	1.077	1.013	.979
MAX RADIUS	:	1.494	1.373	1.237
HORIZONTAL SPREAD	:	2.255	2.026	2.026
VERTICAL SPREAD	:	2.439	2.439	1.839
EXTREME SPREAD	:	2.730	2.559	2.262
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6587578

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 1

2 in - 7

3 in - 8

HS - 3.341

VS - 1.326

GS - 3.440

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.699	1.516	.968
MINIMUM X	:	-1.642	-1.068	-.878
MAXIMUM Y	:	.857	.917	.890
MINIMUM Y	:	-.469	-.409	-.436
CENTROID X	:	.014	.197	.007
CENTROID Y	:	-.083	-.143	-.116
POA TO CENTROID in.	:	.084	.243	.116
MIN RADIUS	:	.331	.428	.300
MEAN RADIUS	:	1.009	.924	.827
MAX RADIUS	:	1.730	1.532	1.009
HORIZONTAL SPREAD	:	3.341	2.584	1.846
VERTICAL SPREAD	:	1.326	1.326	1.326
EXTREME SPREAD	:	3.440	2.649	1.956
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	

NUMBER IN THREE INCH CIRCLE =

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