

MODEL 700™ M24

Model	SMS	TM
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Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

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: **RE00105763** Serial: C6348987 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/19/1990 Repairman: Status: Closed 12/27/2005 2:05:47 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **HHC 1 12 CAV** **HHC 1 12 CAV**

Address 1: Address 2: PO Box: PO Box:

City: **FORT HOOD** **FORT HOOD**

State: **TX** Zip Code: **76544** Country: **US** State: **TX** Zip Code: **76544** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs(Fr.)	2
A017	Scope Base	1
A042	Adjustable Butt Pad	1
A057	Front and Rear Sgt Base	2

Repair Search Refresh Close

maglet 12/20/2005 8:12 AM CAPS NUM INS SCPL

start 2 4 Arms Services Repair

Serial Number: **C6348987**

Model: **M24 SWS**



RE00105763

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

R & E NUMBER	105763		
SERIAL NUMBER	06348987		
LOG-IN DATE	12-27-05		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-3-06	RTZ
505	RE-BARREL	1-4-06	RTZ
560	ASSEMBLE	1-4-06	RTZ
600	PROOF	MAGNA-FLUX INSPECTED 1-4-06	K
605	CHECK HEADSPACE	1-4-06	K
610	DIS-ASSEMBLE GUN	1-4-06	K
612	MAGNAFLUX	1-6-06	unsub
510	DRILL AND TAP	1-6-06	TRW
615	ROLLMARK CALIBER	1-6-06	CW
618	ROTO-BLAST	1-6-06	LB
620	APPLY COATINGS	1-11-06	RTZ
625	FINAL ASSEMBLY	1-11-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	RTZ
650	TARGET	PASS FAIL	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-12-06	TRW
	A) HEADSPACE	PASS FAIL	RTZ
	B) TRIGGER PULL	2.74 2.79 2.49 2.44 2.52	2/7/06 DA
680	F) SAFETY ON FORCE	4.0 4.0 4.0	2/7/06 DA
	G) SAFETY OFF FORCE	2.5 2.5 2.5	2/7/06 DA
	I) FIRING PIN INDENT	.020	
690	PACK	3/3/06	DA

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)

SERIAL NO. _____

DATE 1-3-06TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.43	2.43		2.71	
PULL #2	2.32	2.46		2.88	
PULL #3	2.45	2.54		2.71	
PULL #4	2.34	2.48		2.91	
PULL #5	2.47	2.56		2.84	
TOTAL	12.01	12.47		14.05	
AVERAGE	2.40	2.49		2.81	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.00		
PULL #2	2.90	2.94		
PULL #3	2.76	3.18		
PULL #4	3.03	2.87		
PULL #5	2.81	2.78		
TOTAL	14.72	14.77		
AVERAGE	2.94	2.95		

	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	4.20	4.39		4.22
PULL #2	4.32	3.96		4.04
PULL #3	4.01	4.06		4.17
PULL #4	4.19	4.18		3.90
PULL #5	4.26	3.83		4.11
TOTAL	20.98	20.42		20.44
AVERAGE	4.19	4.08		4.08

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348987.__0
FILE DATE AND TIME: 01/12/2006 11:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	0.063
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.691
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.129
The Distance from Centroid Target #3 to Centroid Target #1:	0.471
The Distance from Centroid Target #4 to Centroid Target #1:	0.221
The Distance from Centroid Target #5 to Centroid Target #1:	0.169

BARBER - M24 0043299

SERIAL NUMBER: C6348987. 0

TARGET NUMBER: 1

FILE DATE: 01/12/2006

FILE TIME: 11:27

POINT#	X	Y
1:	0.112	-0.888
2:	-0.589	-0.965
3:	-0.239	-0.313
4:	-0.462	-0.339
5:	-0.804	0.008
6:	0.089	0.873
7:	-0.133	0.507
8:	0.217	0.341
9:	0.301	0.056
10:	0.705	-0.090

X CENTROID: -0.080

Y CENTROID: -0.081

POA TO CENTROID: 0.114

HORZ SPREAD: 1.509

VERT SPREAD: 1.838

GROUP SPREAD: 1.959

MIN RADIUS: 0.281

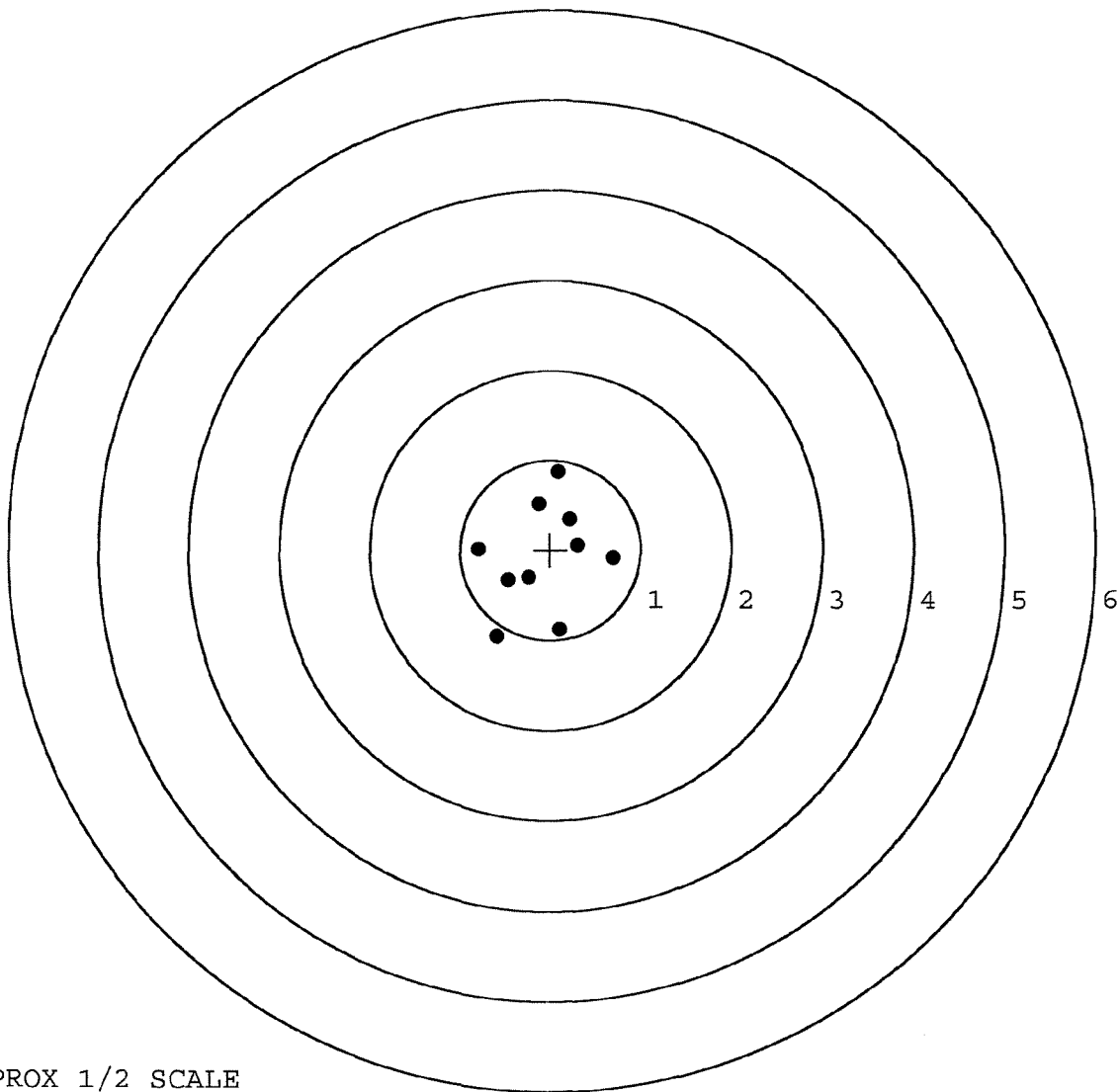
MAX RADIUS: 1.020

MEAN RADIUS: 0.659

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



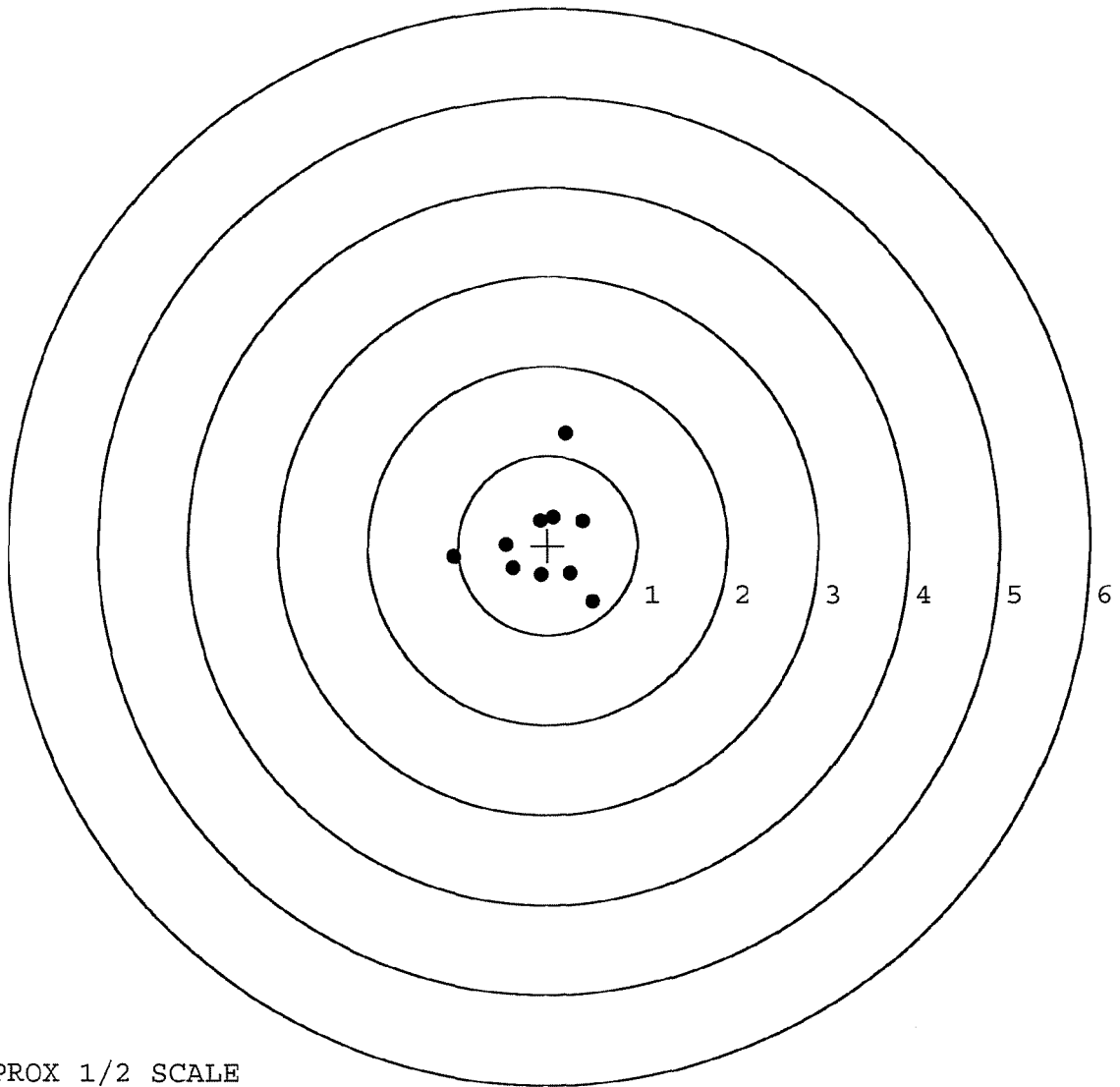
TARGET APPROX 1/2 SCALE

BARBER - M24 0043300

SERIAL NUMBER: C6348987. __0
 TARGET NUMBER: 2
 FILE DATE: 01/12/2006
 FILE TIME: 11:27

POINT#	X	Y
1:	0.503	-0.633
2:	0.255	-0.313
3:	-0.069	-0.333
4:	-0.382	-0.254
5:	-0.470	0.007
6:	-1.042	-0.133
7:	-0.085	0.280
8:	0.390	0.280
9:	0.194	1.247
10:	0.064	0.317

X CENTROID: -0.064
 Y CENTROID: 0.046
 POA TO CENTROID: 0.079
 HORZ SPREAD: 1.545
 VERT SPREAD: 1.880
 GROUP SPREAD: 1.905
 MIN RADIUS: 0.234
 MAX RADIUS: 1.228
 MEAN RADIUS: 0.586
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0043301

SERIAL NUMBER: C6348987. __0

TARGET NUMBER: 3

FILE DATE: 01/12/2006

FILE TIME: 11:27

POINT#	X	Y
1:	1.722	0.841
2:	0.943	1.148
3:	0.103	1.294
4:	-1.084	0.029
5:	-0.039	0.672
6:	-0.238	0.231
7:	0.481	-0.370
8:	0.292	-0.244
9:	0.018	-0.363
10:	0.152	-0.554

X CENTROID: 0.235

Y CENTROID: 0.268

POA TO CENTROID: 0.357

HORZ SPREAD: 2.806

VERT SPREAD: 1.848

GROUP SPREAD: 2.921

MIN RADIUS: 0.474

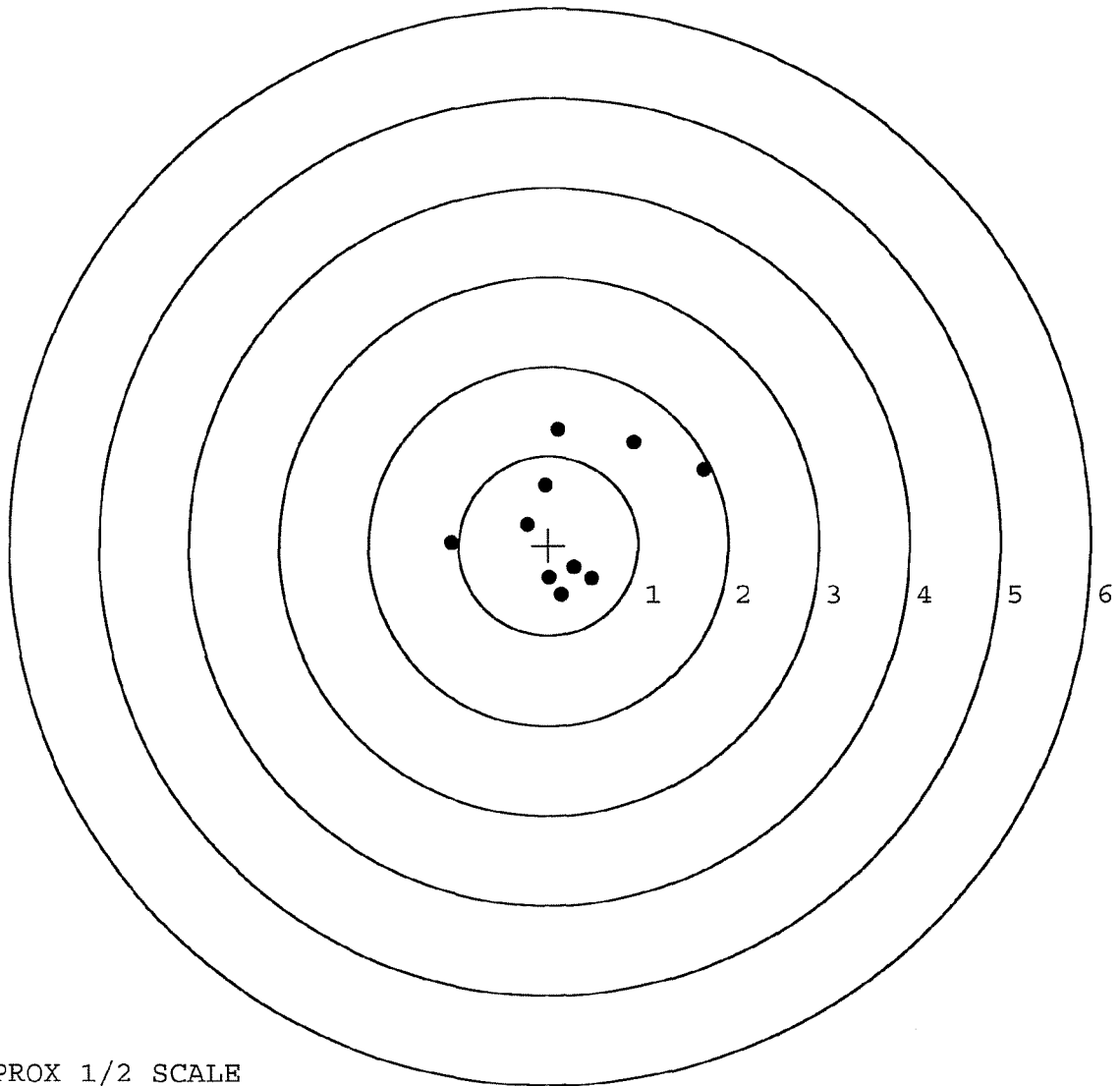
MAX RADIUS: 1.593

MEAN RADIUS: 0.875

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



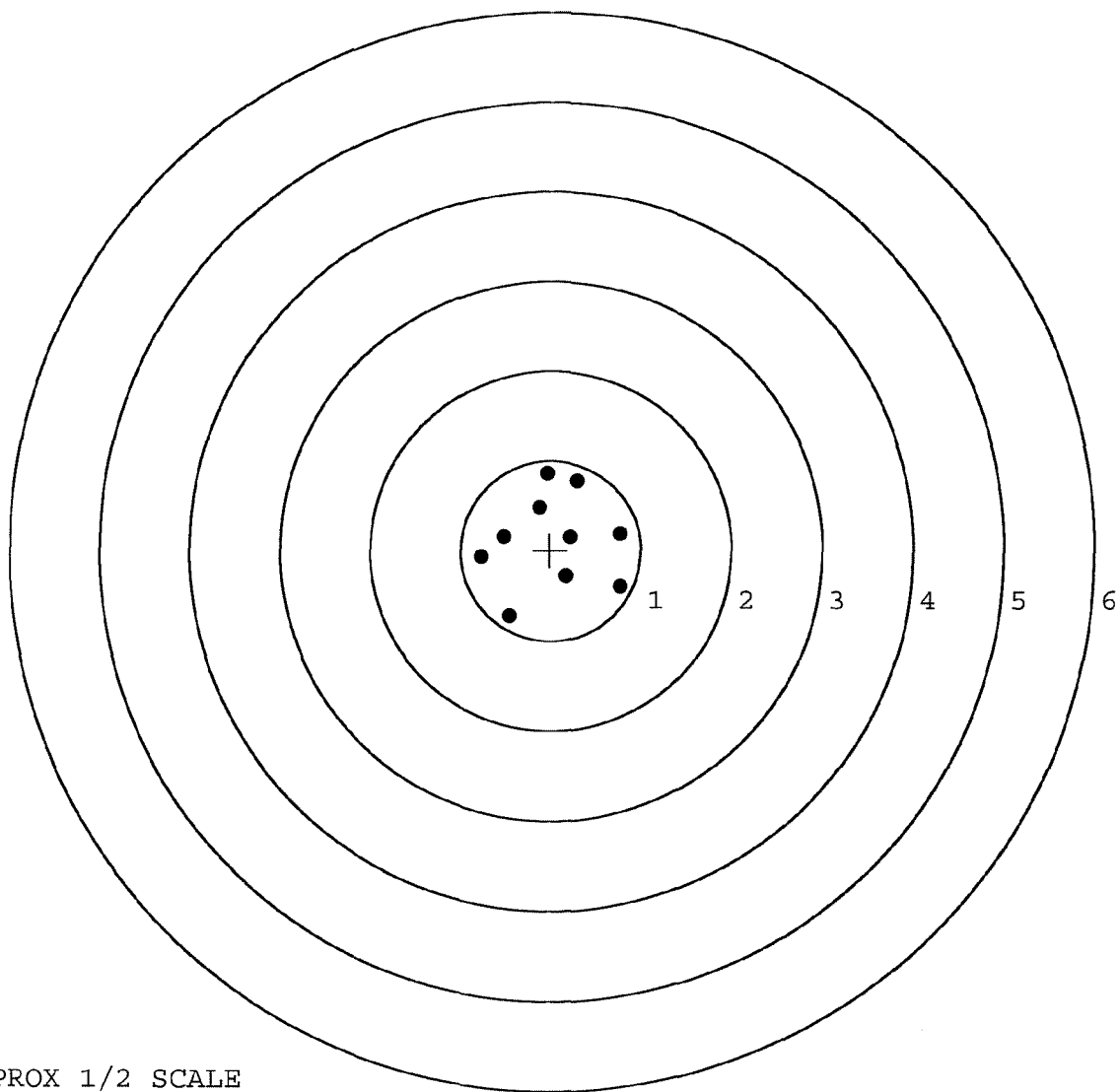
TARGET APPROX 1/2 SCALE

BARBER - M24 0043302

SERIAL NUMBER: C6348987. __0
 TARGET NUMBER: 4
 FILE DATE: 01/12/2006
 FILE TIME: 11:27

POINT#	X	Y
1:	0.780	-0.406
2:	0.769	0.183
3:	0.177	-0.291
4:	0.214	0.149
5:	-0.459	-0.733
6:	-0.770	-0.075
7:	-0.521	0.152
8:	-0.120	0.474
9:	-0.035	0.858
10:	0.295	0.776

X CENTROID: 0.033
 Y CENTROID: 0.109
 POA TO CENTROID: 0.114
 HORZ SPREAD: 1.550
 VERT SPREAD: 1.591
 GROUP SPREAD: 1.687
 MIN RADIUS: 0.185
 MAX RADIUS: 0.975
 MEAN RADIUS: 0.648
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



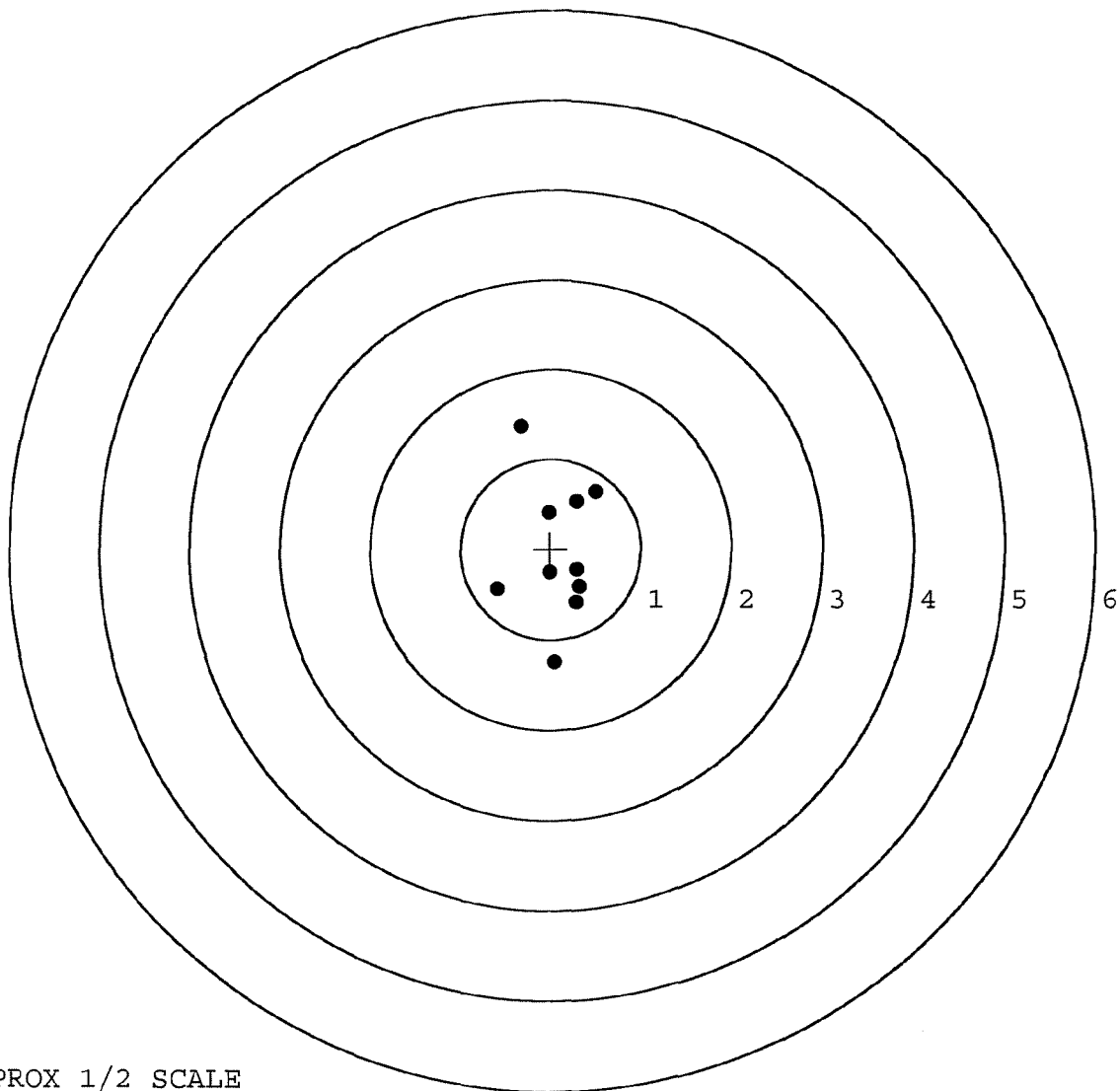
TARGET APPROX 1/2 SCALE

BARBER - M24 0043303

SERIAL NUMBER: C6348987. __0
 TARGET NUMBER: 5
 FILE DATE: 01/12/2006
 FILE TIME: 11:27

POINT#	X	Y
1:	0.056	-1.257
2:	-0.589	-0.445
3:	-0.336	1.361
4:	0.494	0.639
5:	0.287	0.528
6:	-0.022	0.405
7:	0.293	-0.591
8:	0.326	-0.414
9:	0.297	-0.227
10:	-0.012	-0.263

X CENTROID: 0.079
 Y CENTROID: -0.026
 POA TO CENTROID: 0.084
 HORZ SPREAD: 1.083
 VERT SPREAD: 2.618
 GROUP SPREAD: 2.647
 MIN RADIUS: 0.254
 MAX RADIUS: 1.448
 MEAN RADIUS: 0.690
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington[®]

MODEL 700TM H24

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

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

SERIAL NO.
C6348987

ORDER NO.
5716

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

Ø1



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348987

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	R
607	Check Headspace	1 30	90	R
610	Dis-assemble Gun	1. 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KER
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber	2-5-90		GS
617	Drill and Tap Sight Holes	2-5-90		FB
618	Polish Barrel RB	2-5-90		WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/23/90	QEL
	G) Safety Off Force	3	3	3			4/23/90	QEL
	H) Trigger Pull Test & Retainability						4/24/90	QEL
	I) Firing Pin Indent	.0225	.0225	.0225			4/23/90	QEL
	J) Assemble Stock						4/25/90	RW
	K) Assemble Swivel Studs						5/1/90	WB
	L) Attach Front and Rear Sight Assemblies						4/25/90	RW
	M) Iron Sight Alignment						4/25/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/25/90	RW
	O) Attach Scope to Rifle						4/25/90	WB
	P) Detach & Attach Scope 20 Times						4/25/90	WB
640	Gallery Target & Test						4-26-90	DAH
	A) Time						4-26-90	DAH
	B) Malfunctions						4-26-90	DAH
	C) Pierced Primers						4-26-90	DAH
	D) Optical Clarity of Scope						4-26-90	DAH
645	Inspect for Live Ammo						4-26-90	DAH
655	Final Inspection						5/1/90	WB
	A) Headspace						5/1/90	WB
	B) Trigger Pull	2.76	2.65	2.60	2.63	2.54	5/1/90	WB
	C) Function						5/1/90	WB
660	Pack						6/19/90	DAH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CC348987

DATE 4/20/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.35	2.26	2.76	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.29	2.30	2.65	
PULL #3	2.41	2.26	2.24	2.60	
PULL #4	2.30	2.40	2.23	2.63	
PULL #5	2.36	2.41	2.20	2.54	
TOTAL	11.86	11.71	11.23		
AVG.	2.372	2.342	2.246		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.64		
PULL #2	3.43	3.30		
PULL #3	3.44	3.10		
PULL #4	3.40	3.32		
PULL #5	3.41	3.31		
TOTAL	17.15	16.67		
AVG.	3.43	3.334		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.32		4.76
PULL #2	4.29	4.32		4.21
PULL #3	4.29	4.36		4.19
PULL #4	4.30	4.33		4.23
PULL #5	4.32	4.32		4.23
TOTAL	21.51	21.65		21.02
AVG.	4.302	4.33		4.204

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348987
26 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.627108
1 TO	2	.3117
1 TO	3	.376324
1 TO	4	.733922
1 TO	5	.921634

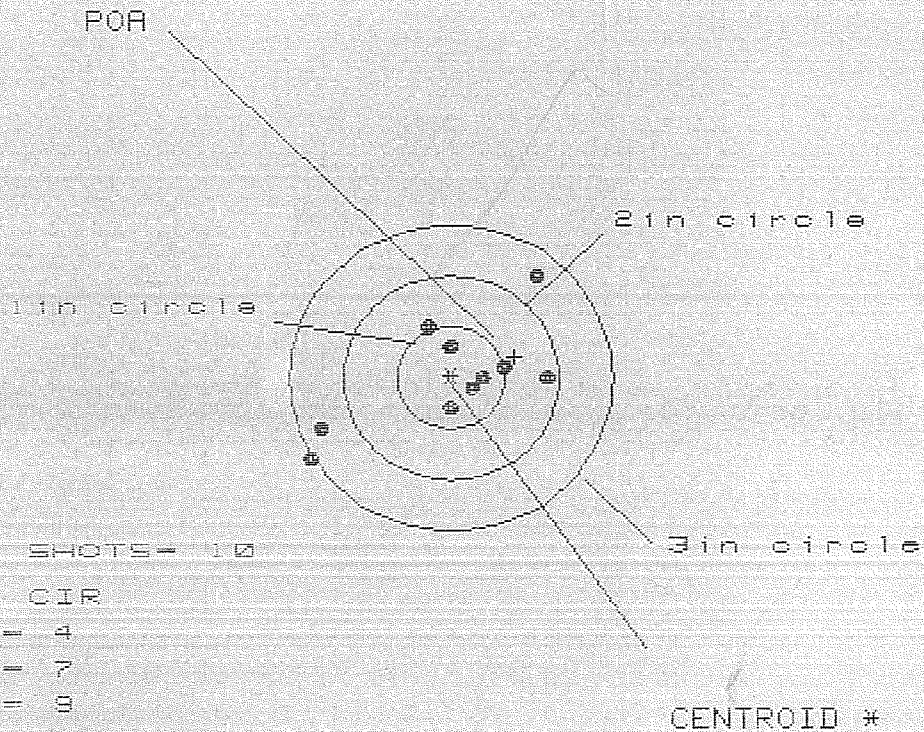
34F <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.201
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0316
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .203469
THE AMR FOR THIS RIFLE IS: .7984

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B987

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.159

VS= 1.787

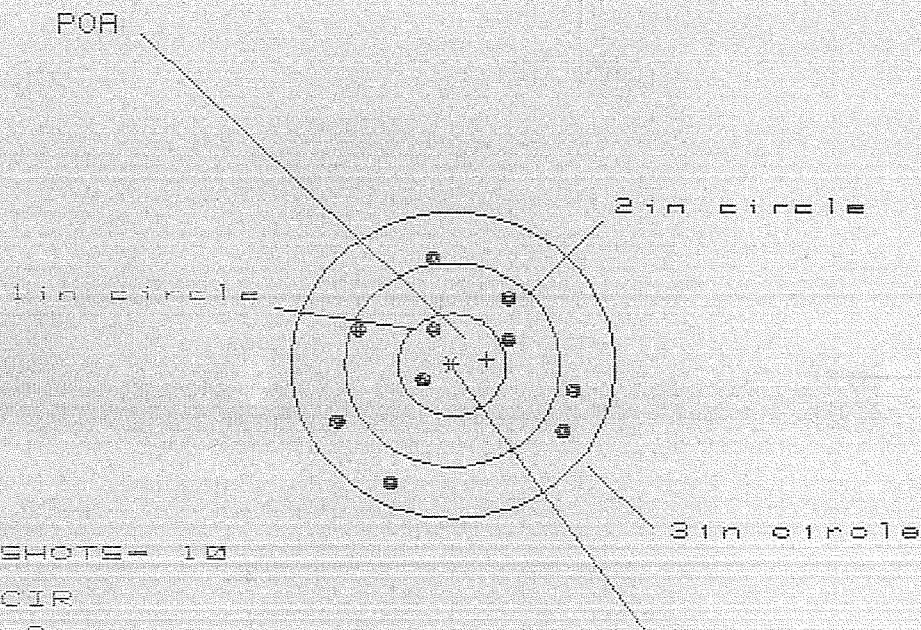
GS= 2.704

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.902	.763	.600
MINIMUM X	-1.257	-1.303	-.553
MAXIMUM Y	.961	.869	.798
MINIMUM Y	-.826	-.569	-.507
CENTROID X	-.593	-.454	-.291
CENTROID Y	-.204	-.112	-.041
POA TO CENTROID in.	.627	.467	.294
MIN RADIUS	.196	.174	.203
MEAN RADIUS	.709	.598	.480
MAX RADIUS	1.504	1.422	.926
HORIZONTAL SPREAD	2.159	2.066	1.153
VERTICAL SPREAD	1.787	1.438	1.305
EXTREME SPREAD	2.704	2.412	1.520
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

26 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6346367

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.176

VS = 2.191

GS = 2.218

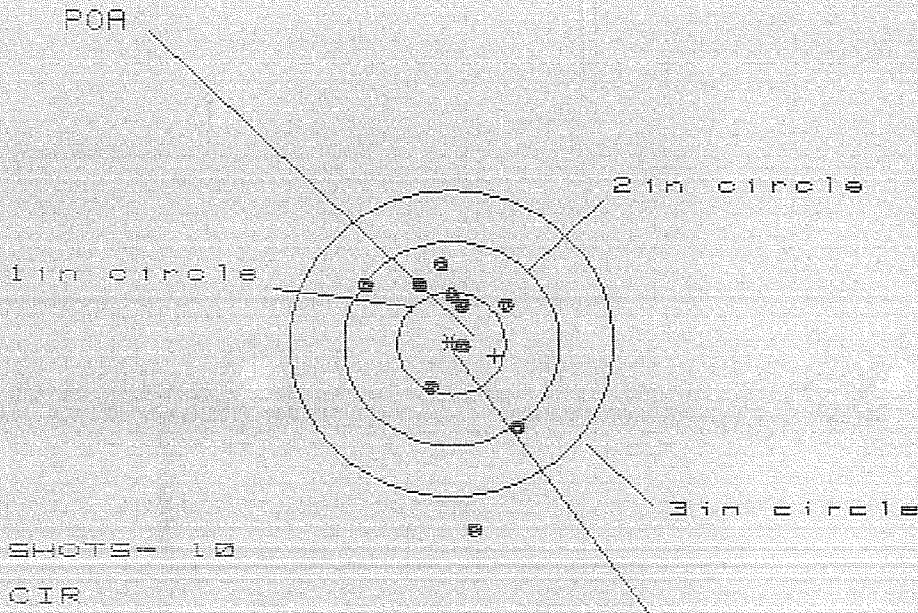
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.093	1.030	.887
MINIMUM X	-1.093	-1.146	-1.070
MAXIMUM Y	1.049	.922	.835
MINIMUM Y	-1.142	-.813	-.900
CENTROID X	-.322	-.259	-.116
CENTROID Y	-.050	.077	.164
POA TO CENTROID in.	.326	.270	.201
MIN RADIUS	.314	.321	.332
MEAN RADIUS	.901	.840	.761
MAX RADIUS	1.276	1.342	1.192
HORIZONTAL SPREAD	2.176	2.176	1.957
VERTICAL SPREAD	2.191	1.735	1.735
EXTREME SPREAD	2.218	2.205	2.145
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B987

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 9

3in = 9

HS= 1.340

VS= 2.583

GS= 2.594

CENTROID *

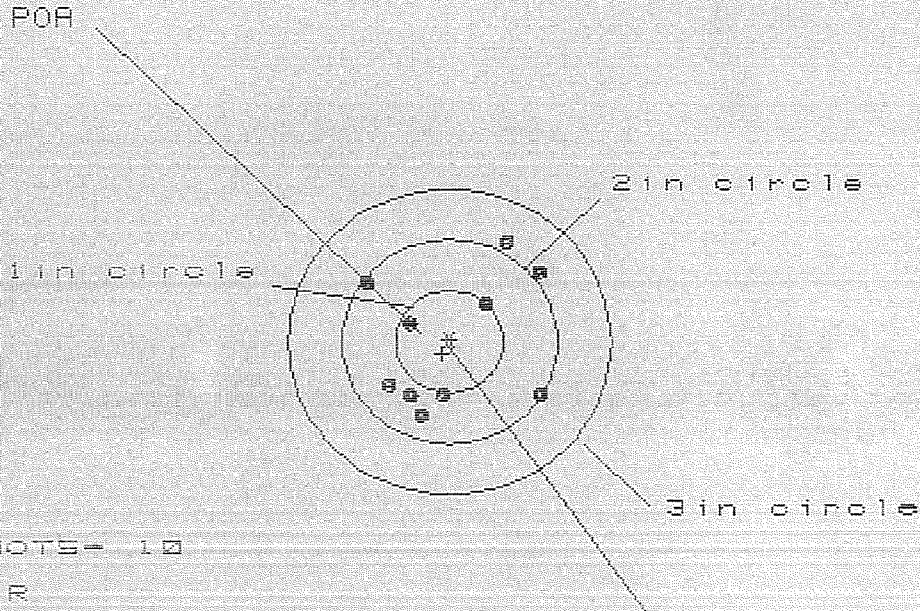
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.564	.582	.574
MINIMUM X	-.776	-.758	-.686
MAXIMUM Y	.773	.572	.448
MINIMUM Y	-1.810	-.985	-.747
CENTROID X	-.405	-.424	-.496
CENTROID Y	.122	.323	.447
POA TO CENTROID in.	.424	.533	.668
MIN RADIUS	.120	.179	.125
MEAN RADIUS	.715	.542	.444
MAX RADIUS	1.810	1.144	.759
HORIZONTAL SPREAD	1.340	1.340	1.260
VERTICAL SPREAD	2.583	1.557	1.195
EXTREME SPREAD	2.594	1.886	1.277
NUMBER IN ONE INCH CIRCLE =	4	4	4
NUMBER IN TWO INCH CIRCLE =	9	9	9
NUMBER IN THREE INCH CIRCLE =	9	9	9

26 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C634B9B7

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS= 1.657

VS= 1.648

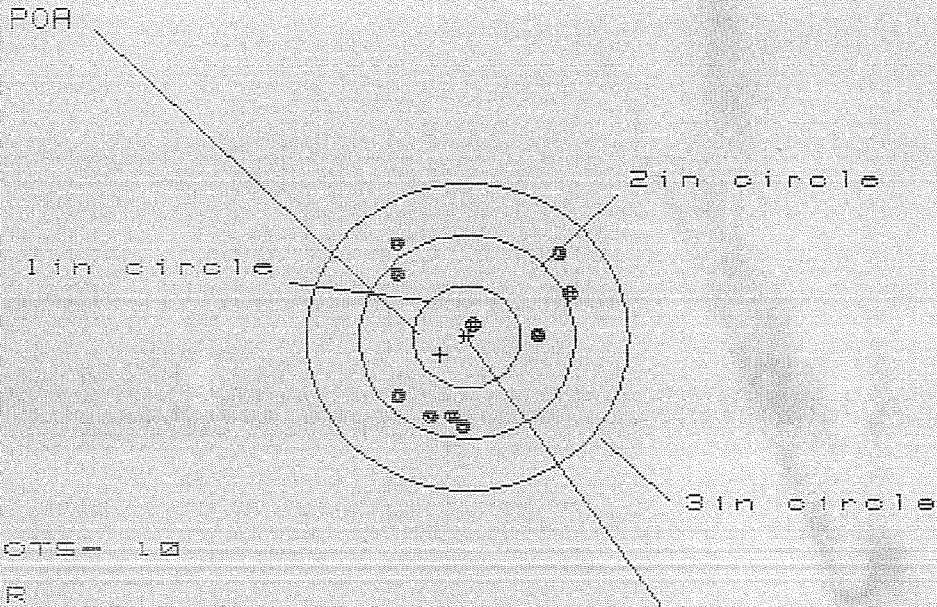
CS= 1.946

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.843	.907	1.013
MINIMUM X	-.814	-.750	-.644
MAXIMUM Y	.944	.777	.745
MINIMUM Y	-.704	-.599	-.502
CENTROID X	.067	.003	-.103
CENTROID Y	.117	.012	-.085
POA TO CENTROID in.	.135	.013	.133
MIN RADIUS	.431	.421	.331
MEAN RADIUS	.771	.711	.619
MAX RADIUS	1.102	1.152	1.050
HORIZONTAL SPREAD	1.657	1.657	1.657
VERTICAL SPREAD	1.648	1.376	1.247
EXTREME SPREAD	1.946	1.946	1.946
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

26 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C634B9B7

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.637

VS= 1.732

GS= 2.096

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.956	1.053	.983
MINIMUM X	-.681	-.584	-.654
MAXIMUM Y	.879	.974	.873
MINIMUM Y	-.853	-.758	-.636
CENTROID X	.248	.151	.221
CENTROID Y	.173	.078	-.044
POA TO CENTROID in.	.302	.170	.225
MIN RADIUS	.152	.287	.361
MEAN RADIUS	.846	.798	.739
MAX RADIUS	1.225	1.166	1.163
HORIZONTAL SPREAD	1.637	1.637	1.637
VERTICAL SPREAD	1.732	1.732	1.509
EXTREME SPREAD	2.096	1.894	1.894
NUMBER IN ONE INCH CIRCLE =	1	7	10
NUMBER IN TWO INCH CIRCLE =	7	10	10
NUMBER IN THREE INCH CIRCLE =	10	10	10