

G641 4432

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6414432.___1
FILE DATE AND TIME: 06/14/2005 09:49

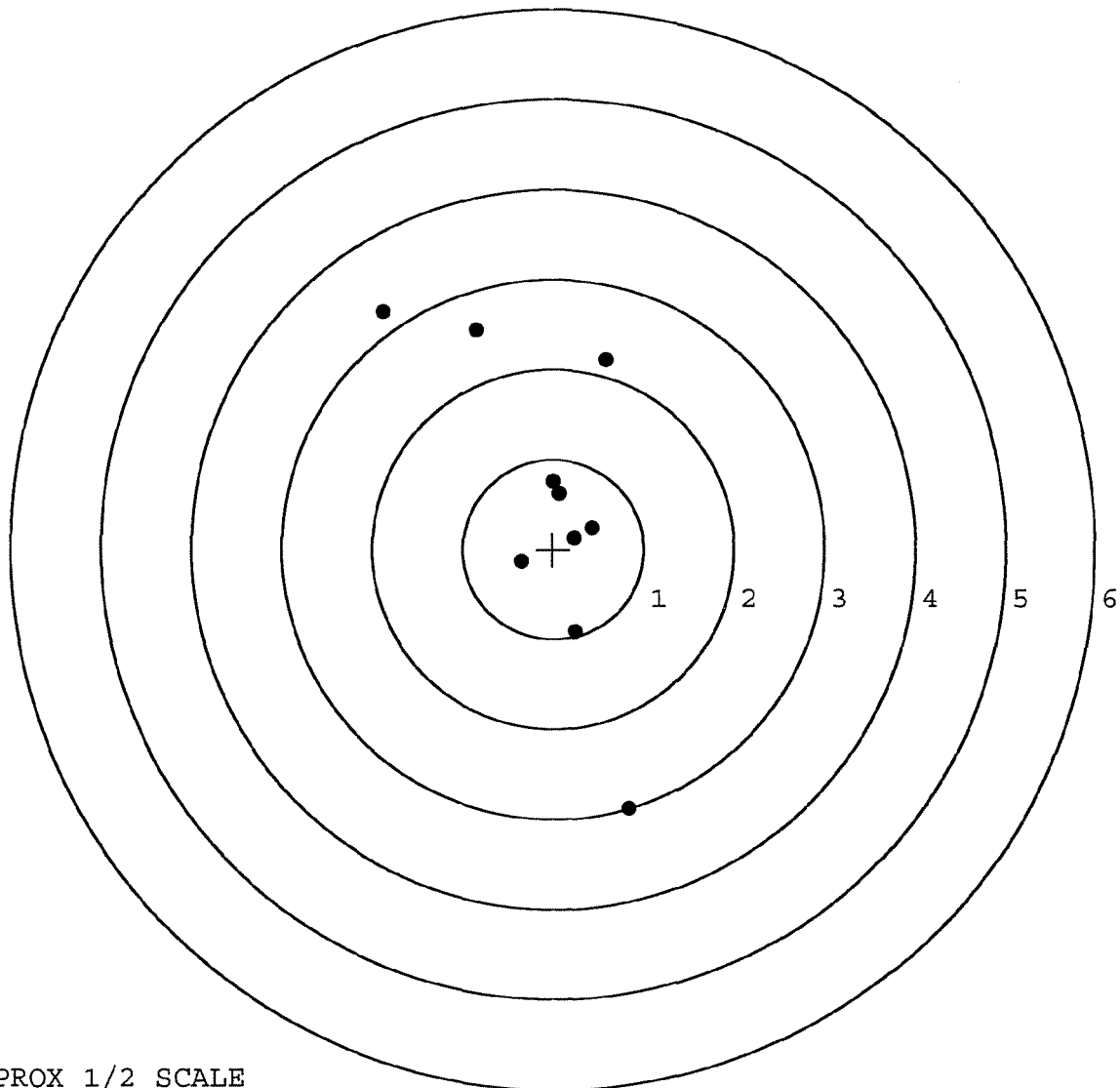
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.071
The Average Y Centroid of the Five Target Set:	-0.080
The Average Point of Impact of the Five Target Set:	0.107
The Average Mean Radius of the Five Target Set:	1.075
The Distance from POA to Centroid Target #1:	0.502
The Distance from Centroid Target #2 to Centroid Target #1:	0.210
The Distance from Centroid Target #3 to Centroid Target #1:	1.279
The Distance from Centroid Target #4 to Centroid Target #1:	1.005
The Distance from Centroid Target #5 to Centroid Target #1:	0.460

SERIAL NUMBER: G6414432.___1
TARGET NUMBER: 1
FILE DATE: 06/14/2005
FILE TIME: 09:49

POINT#	X	Y
1:	0.244	-0.925
2:	-0.349	-0.134
3:	0.227	0.131
4:	0.430	0.241
5:	-0.001	0.756
6:	0.069	0.625
7:	0.591	2.100
8:	-0.843	2.436
9:	-1.879	2.635
10:	0.839	-2.888

X CENTROID: -0.067
Y CENTROID: 0.498
POA TO CENTROID: 0.502
HORZ SPREAD: 2.718
VERT SPREAD: 5.523
GROUP SPREAD: 6.156
MIN RADIUS: 0.186
MAX RADIUS: 3.505
MEAN RADIUS: 1.376
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414432.___1

TARGET NUMBER: 2

FILE DATE: 06/14/2005

FILE TIME: 09:49

POINT#	X	Y
1:	0.818	-0.206
2:	0.343	-0.347
3:	-0.180	-2.339
4:	-0.412	-0.808
5:	-0.687	-0.460
6:	-0.238	0.388
7:	0.067	0.965
8:	-1.283	0.599
9:	-0.466	2.522
10:	0.286	2.859

X CENTROID: -0.175

Y CENTROID: 0.317

POA TO CENTROID: 0.362

HORZ SPREAD: 2.101

VERT SPREAD: 5.198

GROUP SPREAD: 5.219

MIN RADIUS: 0.095

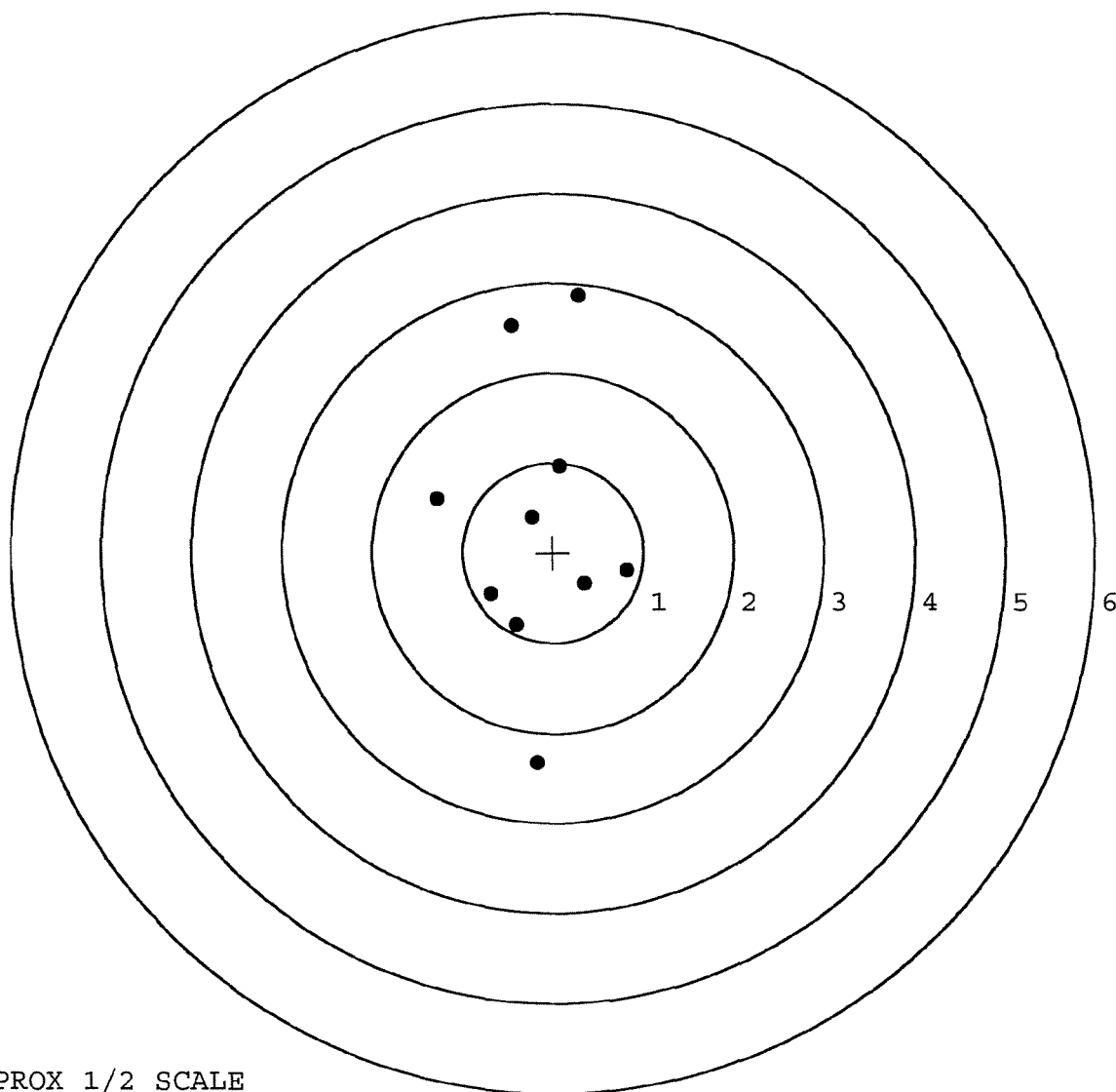
MAX RADIUS: 2.656

MEAN RADIUS: 1.344

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

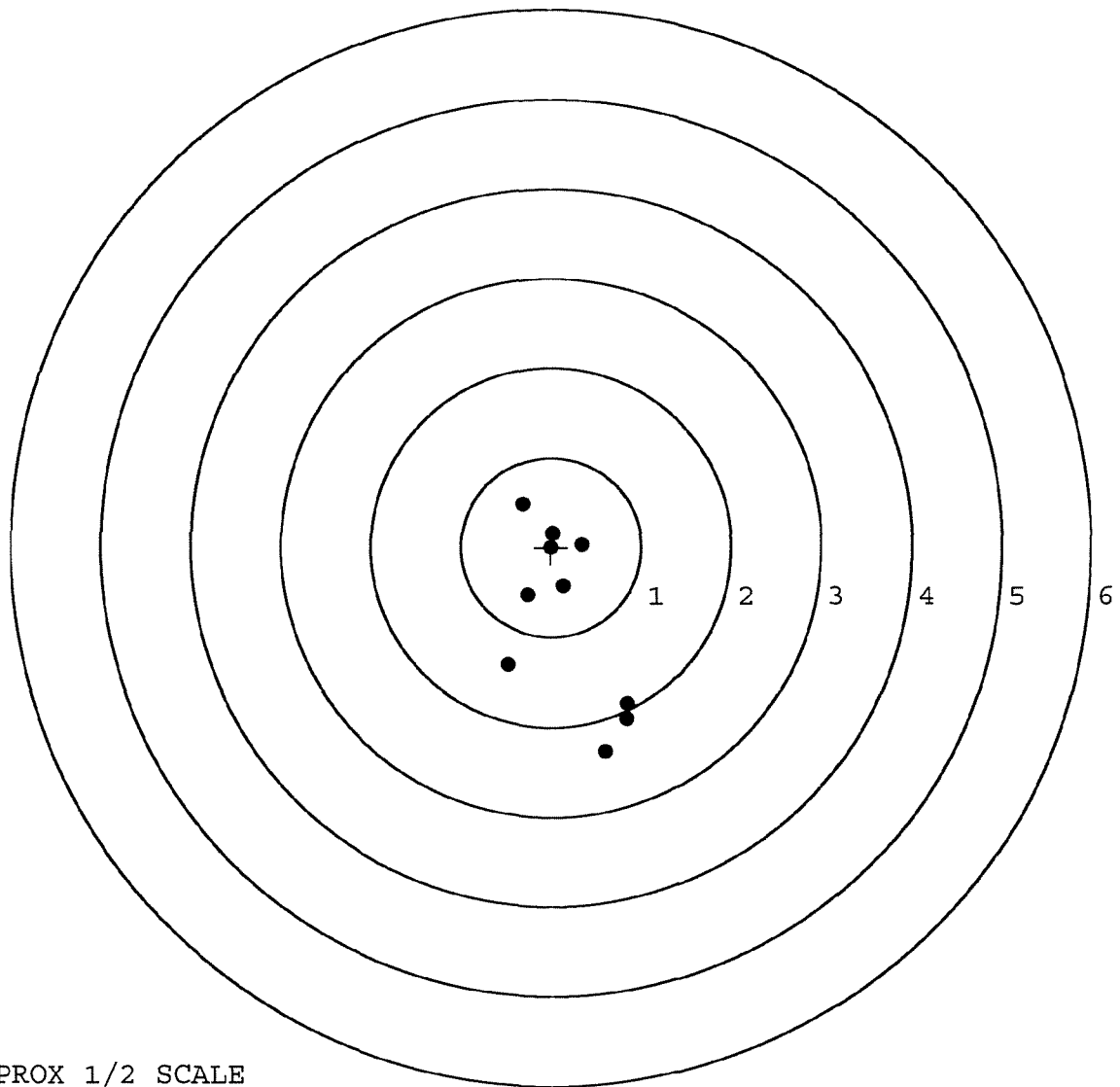


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414432. __1
TARGET NUMBER: 3
FILE DATE: 06/14/2005
FILE TIME: 09:49

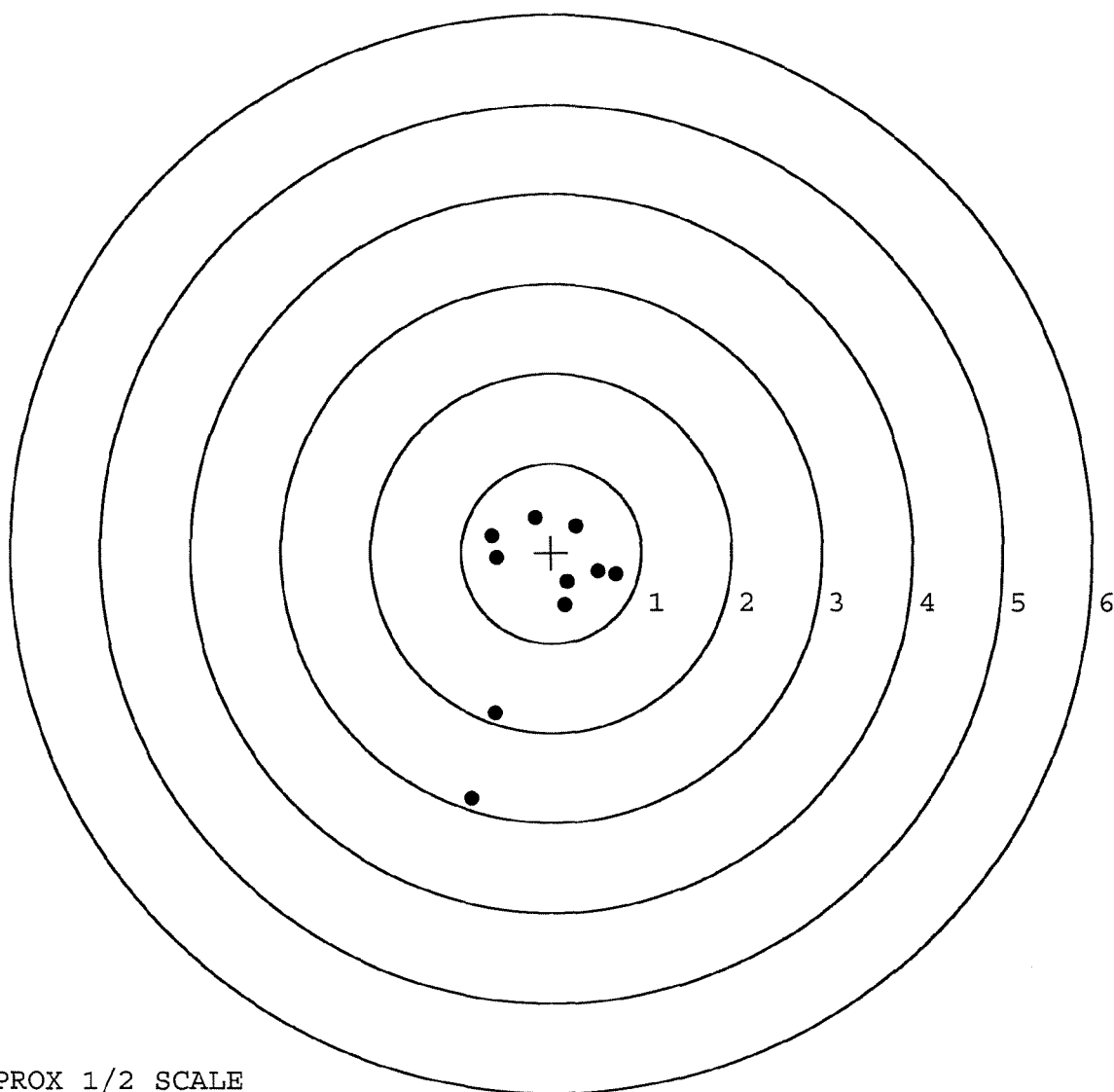
X CENTROID: 0.173
Y CENTROID: -0.758
POA TO CENTROID: 0.778
HORZ SPREAD: 1.325
VERT SPREAD: 2.760
GROUP SPREAD: 2.908
MIN RADIUS: 0.322
MAX RADIUS: 1.578
MEAN RADIUS: 0.960
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.000	-0.010
2:	0.597	-2.278
3:	0.845	-1.749
4:	0.839	-1.915
5:	-0.480	-1.314
6:	-0.261	-0.535
7:	0.136	-0.438
8:	0.345	0.028
9:	0.026	0.148
10:	-0.319	0.482



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414432. __1	POINT#	X	Y
TARGET NUMBER: 4	1:	0.718	-0.242
FILE DATE: 06/14/2005	2:	0.516	-0.210
FILE TIME: 09:49	3:	0.147	-0.584
	4:	0.179	-0.330
X CENTROID: -0.112	5:	-0.606	-0.064
Y CENTROID: -0.507	6:	-0.660	0.191
POA TO CENTROID: 0.519	7:	-0.181	0.389
HORZ SPREAD: 1.600	8:	0.273	0.304
VERT SPREAD: 3.125	9:	-0.621	-1.784
GROUP SPREAD: 3.252	10:	-0.882	-2.736
MIN RADIUS: 0.270			
MAX RADIUS: 2.359			
MEAN RADIUS: 0.926			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 9			

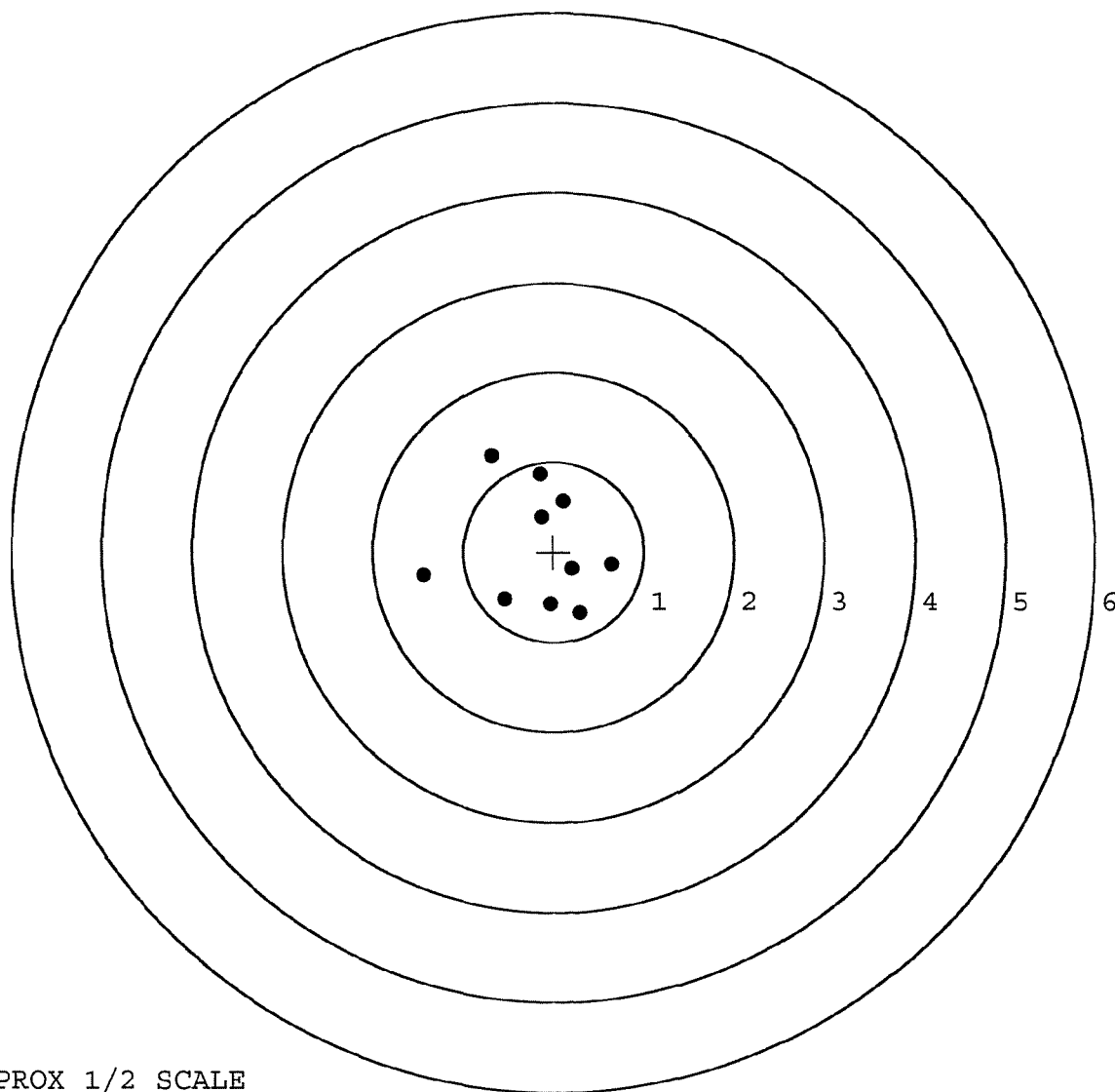


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414432. __1
TARGET NUMBER: 5
FILE DATE: 06/14/2005
FILE TIME: 09:49

POINT#	X	Y
1:	0.290	-0.678
2:	-0.037	-0.584
3:	0.204	-0.192
4:	-0.540	-0.532
5:	-1.439	-0.265
6:	0.646	-0.139
7:	0.113	0.566
8:	-0.134	0.391
9:	-0.148	0.861
10:	-0.680	1.068

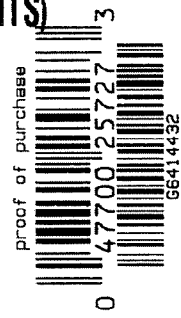
X CENTROID: -0.173
Y CENTROID: 0.050
POA TO CENTROID: 0.179
HORZ SPREAD: 2.085
VERT SPREAD: 1.746
GROUP SPREAD: 2.089
MIN RADIUS: 0.344
MAX RADIUS: 1.305
MEAN RADIUS: 0.767
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M/24 7.62 NATO S.W.S (SCOPE & SIGHTS)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

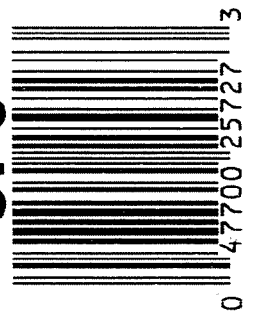
- INSTRUCTION BOOK 3518



ORDER NO.	25727
BARREL LENGTH	24"
CAPACITY	5

G6414432

UPC



46 FORM 1651

ORDER 25727

M/24 7.62 NATO S.W.S (SCOPE & SIGHTS)

UPC



ORDER 25727

M/24 7.62 NATO S.W.S (SCOPE & SIGHTS)

UPC



SERIAL NO.



6/9/2005 10:48:52 AM

Copy

Original

25727

M/24 7.62 NATO (RIFLE W/SCOPE&SIGHTS)



.MA25727

Shop Order: R5727 - 193



.ABR5727 - 193

Start Date: 12/19/2005

Finish Date: 12/20/2005

M/24 7.62 NATO S.W.S (SCOPE & SIGHTS)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

0001

31WH522

Issue from warehouse



0003994381

0690

89SWS1

Pack Rifle & Stencil SWS Container



.OP0690

M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # GL6414432

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		12-27-04	RTZ
600	PROOF		12-28-04	K
607	CHECK HEADSPACE		12-28-04	K
610	DIS-ASSEMBLE GUN		12-28-04	RR
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		12-28-04	JD
615	ROLLMARK CALIBER		12/29/04	AB
617	DRILL AND TAP SIGHT HOLES		12-28-04	TRLW
620	APPLY COATINGS (BARREL ACTION)		1/5/05	HP
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		1-10-05	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		1-10-05	DA
	C) INSPECT EJECTOR HOLE FOR CHAMFER			
	D) OIL FIRING PIN ASSEMBLY			
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>6⁰</u> <u>5.75</u> <u>6⁰</u>	3-30-05	RTL
CONT.	G) SAFETY OFF FORCE 2 LBS MIN	<u>2⁰</u> <u>2⁰</u> <u>2⁰</u>	3-30-05	RTL
	H) TRIGGER PULL TEST AND RETAINABILITY		3-30-05	RTL
	I) FIRING PIN INDENT .020 MIN	<u>.025</u> <u>.025</u> <u>.025</u>	3-30-05	RTL
	J) ASSEMBLE STOCK		3-28-05	RTL
	K) ASSEMBLE SWIVEL STUDS		3-30-05	AC
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		X	X
	M) IRON SIGHT ALIGNMENT			
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER			
640	GALLERY TEST AND TARGET	PASS FAIL	3-29-05	AC
	MALFUNCTION	CORRECTION	X	X
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
645	INSPECT FOR LIVE AMMO		3-29-05	TRW
655	FINAL INSPECTION A) HEADSPACE		3-30-05	AC
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>266</u> <u>268</u> <u>267</u> <u>270</u> <u>266</u>	3-30-05	RTL
	C) FUNCTION		3-30-05	AC
660	PACK		3-30-05	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.

G 6414732

DATE

3-18-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.35	2.32		2.18	
PULL #2	2.48	2.46		2.25	
PULL #3	2.44	2.21		2.27	
PULL #4	2.48	2.18		2.18	
PULL #5	2.65	2.32		2.27	
TOTAL	12.40	11.49		11.15	
AVERAGE	2.48	2.29		2.23	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.26		
PULL #2	3.22	3.38		
PULL #3	3.16	3.31		
PULL #4	3.28	3.22		
PULL #5	3.39	3.16		
TOTAL	16.48	16.33		
AVERAGE	3.29	3.26		

	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	4.26	4.15		4.11
PULL #2	4.00	3.94		4.12
PULL #3	4.08	4.11		4.10
PULL #4	4.10	3.87		4.08
PULL #5	4.06	3.97		4.12
TOTAL	20.50	20.04		20.53
AVERAGE	4.10	4.00		4.10