



# OPERATION MANUAL

FOR

BREAK-BARREL, SIDE-LEVER,  
& UNDER-LEVER PELLET RIFLES

Shoots Lead Pellets 

Break-Barrel Air Rifles	Caliber	Velocity		Danger Distance
Schütze™	.177/NA	580/NA	fps	400 yds
Model 34	.177/.22	1000/800	fps	575 yds
34 Meisterschütze™ Pro	.177/NA	1000/NA	fps	575 yds
34 Meisterschütze™ PC	.177/NA	1000/NA	fps	575 yds
Model 34 P	.177/.22	1000/800	fps	575 yds
Pro 34 P	.177/NA	1000/NA	fps	575 yds
Pro 34 P Compact	.177/NA	1000/NA	fps	575 yds
Model 350 P Magnum	.177/.22	1000/1250	fps	625 yds
Model 350 Magnum	.177/.22	1250/1050	fps	625 yds
Model 350 Feuerkraft™	.177/.22	1250/1050	fps	625 yds
Model 350 Feuerkraft™ PC	.177/.22	1250/1050	fps	625 yds

## Side-Cocking Air Rifles

Model 48	.177/.22	1100/900	fps	600 yds
Model 52	.177/.22	1100/900	fps	600 yds
Model 54	.177/.22	1100/900	fps	600 yds

## Under-Lever Air Rifles

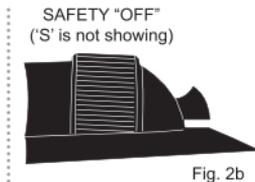
Model 460 Magnum	.177/.22	1200/1000	fps	650 yds
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**⚠ WARNING:** THIS AIR RIFLE IS RECOMMENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 625 YARDS (571 METERS).

**⚠ ATTENTION:** THIS IS A HIGH POWERED AIR RIFLE FOR USE BY PERSONS 16 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. THE PURCHASER AND USER SHOULD CONFORM TO ALL LAWS GOVERNING THE PURCHASE, USE AND OWNERSHIP OF AIR RIFLES.

## **PRIOR TO OPERATION**

Make sure the rifle is “ON SAFE”.  
Pull safety to rearward position  
— ‘S’ SHOWING (See Fig. 2a).



## **OPERATING INSTRUCTIONS**

**⚠ WARNING:** BE SURE THE AIR RIFLE IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIR RIFLE AT ANY PERSON EVEN IF IT IS UNCOCKED AND UNLOADED. NEVER POINT THE AIR RIFLE AT ANYTHING YOU DO NOT INTEND TO SHOOT. ALWAYS ASSUME AND HANDLE THE AIR RIFLE AS IF IT WERE LOADED AND READY TO FIRE.

### **STEP 1. PUT “ON SAFE”**

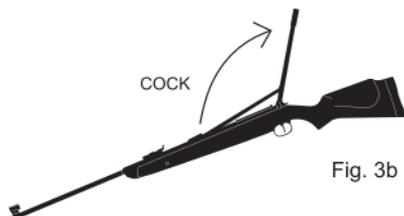
Pull safety to rearward position — ‘S’ SHOWING (See Fig. 2a).

### **STEP 2. COCK**

**⚠ WARNING:** WHEN COCKING THE AIR RIFLE DO NOT PLACE YOUR HAND OVER OR IN FRONT OF THE MUZZLE. NEVER ALLOW THE MUZZLE TO POINT TOWARD YOU OR ANYONE ELSE DURING COCKING. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

**⚠ WARNING:** NEVER CARRY YOUR AIR RIFLE WHILE COCKED AND/OR WHILE LOADED. IT IS BEST TO COCK THE AIR RIFLE ONLY BEFORE SHOOTING. UNDER NO CIRCUMSTANCES SHOULD YOUR AIR RIFLE BE CARRIED COCKED AND LOADED.

(**BREAK-BARREL**) — With one hand grasp stock firmly behind trigger guard, avoiding contact with the trigger, and brace the butt end of the stock against your thigh. Grasp the barrel near the muzzle end, just behind the front sight. Pull downward and to the rear until it comes to a solid stop. (See Fig. 3a)



**(SIDE-LEVER)** — Firmly grasp the air rifle in a manner which will not interfere with the cocking lever. Pull the side lever toward butt of the gun until it comes to a solid stop (See Fig. 3b). This action will cock the gun and open the breech.

**(UNDER-LEVER)** — With one hand grasp stock firmly behind trigger guard, avoiding contact with the trigger, and brace the butt end of the stock against your thigh. Grasp the cocking lever near the muzzle end. Pull the cocking lever downward until it comes to a solid stop. (See Fig 3c).

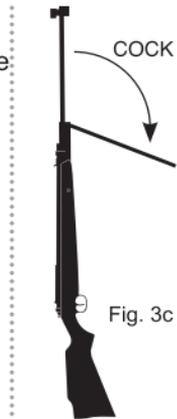
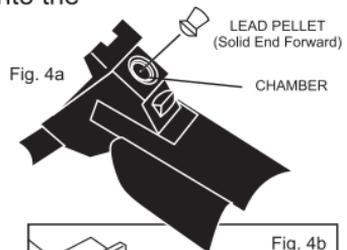


Fig. 3c

### **STEP 3. LOAD**

Insert the correct caliber lead pellet carefully into the chamber of the breech end which is now exposed (Break barrel see Fig 4a, Side lever see Fig. 4b, 460 Magnum see Fig. 4c). Be sure to seat the pellet flush with the breech. Avoid damaging the pellet skirt.



### **STEP 4. CLOSE BARREL / LEVER**

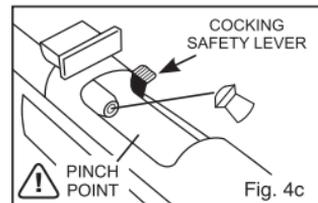
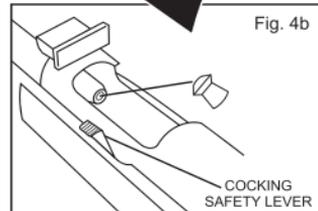
**(BREAK-BARREL)** — Firmly grasp the barrel behind the front sight, return the barrel to its original closed and latched position.

**(SIDE-LEVER)** — Before returning the side lever to its original position, depress the cocking safety lever (See Fig 4b) on the left side of the cylinder. Grasp the side-lever, close to its original position.

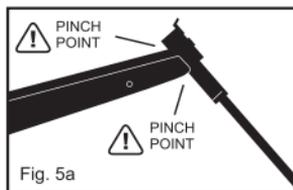
**NOTE:** There should be NO pressure on cocking lever when returning it to original position. If there is pressure, the gun has not been fully cocked.

**(UNDER-LEVER)** — **IMPORTANT:** Before returning the under-lever to its original position, firmly grasp the cocking lever and **DEPRESS THE COCKING SAFETY LEVER** (See Fig. 4c) located on the right side of the cylinder. Close the cocking lever to its original position.

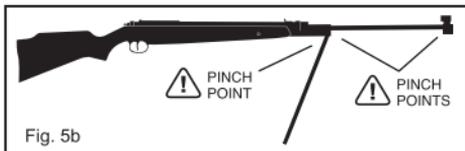
**NOTE:** There should be NO pressure on cocking lever when returning it to original position. If there is pressure, the gun has not been fully cocked.



**⚠ CAUTION:** BE CAREFUL TO KEEP FINGERS CLEAR OF COCKING MECHANISM (SEE “PINCH POINTS”, FIG. 4C, 5A and 5B). GRASP THE BARREL FIRMLY AS YOU COCK IT AND CLOSE IT TO PREVENT IT FROM SNAPPING BACK AND POSSIBLY CAUSING INJURY.



**⚠ CAUTION:** TO PREVENT THE COCKING LEVER FROM FALLING OUT OF THE LEVER HOLDER UNDERNEATH THE FRONT SIGHT DO THE FOLLOWING. MAKE SURE THE



RWS 460 IS UNLOADED, UNCOCKED, AND ON SAFE. NOW, TIGHTEN THE SMALL SCREW UNDERNEATH THE MUZZLE TO INCREASE THE TENSION ON THE COCKING LEVER RETAINING BALL. LOOK AT THE SCREW FROM AN ANGLE AND NEVER LOOK DIRECTLY INTO THE MUZZLE OF THE RIFLE. IF THIS DOES NOT CORRECT THE PROBLEM THEN PROCEED IN THIS SEQUENCE: MAKE CERTAIN RIFLE IS UNLOADED, UNCOCKED, AND ON SAFE. DISENGAGE COCKING LEVER FROM UNDERNEATH FRONT SIGHT, LOOSEN SET SCREW ON TOP SIDE OF FRONT SIGHT, PLACE A PIECE OF SOFT WOOD ON MUZZLE END OF FRONT SIGHT AND THEN USING A HAMMER VERY LIGHTLY TAP THE WOOD TO SEAT THE SIGHT COMPLETELY DOWN ON THE BARREL. RETIGHTEN THE SET SCREW ON TOP SIDE OF FRONT SIGHT. IF THE COCKING LEVER SEATS TOO TIGHT AFTER COMPLETING THIS PROCESS YOU MAY NEED TO SLIGHTLY LOOSEN THE SMALL SCREW UNDERNEATH THE MUZZLE TO DECREASE THE TENSION ON THE COCKING LEVER RETAINING BALL.

## STEP 5. AIM AT A SAFE TARGET

**⚠ CAUTION:** YOUR BACKSTOP SHOULD BE INSPECTED FOR WEAR BEFORE AND AFTER EACH USE. DISCONTINUE USE IF THE BACKSTOP SURFACE SHOWS SIGNS OF FAILURE. ALWAYS PLACE THE BACKSTOP IN A LOCATION THAT WILL BE SAFE SHOULD THE BACKSTOP FAIL. DISCONTINUE THE USE OF A BACKSTOP IF A PROJECTILE REBOUNDS OR RICOCHETS.

## STEP 6. PUT “OFF SAFE”

‘S’ NOT SHOWING (See Fig. 2b).

**⚠ ATTENTION:** BEFORE YOU PUT YOUR AIR RIFLE “OFF SAFE”, BE ABSOLUTELY CERTAIN THAT YOUR AIR RIFLE IS POINTED IN A SAFE DIRECTION AND THAT YOU ARE READY TO FIRE. ONCE YOUR AIR RIFLE IS COCKED AND AUTOMATICALLY “ON SAFE”, YOU WILL NOT BE ABLE TO PUT IT BACK “ON SAFE” UNLESS YOU RE-COCK THE AIR RIFLE. DO NOT RECOCK THE AIR RIFLE WHILE IT IS LOADED TO PUT IT BACK “ON SAFE”.

## **STEP 7. FIRE**

Pull the trigger.

**⚠ WARNING:** IF A PELLET DOES NOT FIRE AFTER COMPLETING THE OPERATION STEPS, THE AIR RIFLE MAY BE JAMMED. AN UNFIRED PROJECTILE IN THE BARREL CAN BE A DANGEROUS SITUATION. KEEP THE AIR RIFLE POINTED IN A SAFE DIRECTION AND REPEAT ALL OPERATION STEPS EXCEPT STEP 3. IF A PROJECTILE STILL DOES NOT FIRE, DO THE FOLLOWING:

1. Put in "ON SAFE" position – S SHOWING. (See fig. 2a.)
2. Cock the air rifle and leave the barrel open with the safety in the "ON SAFE" position.
3. Clear barrel by inserting a cleaning rod through the muzzle end.
4. Repeat operation steps.

**⚠ CAUTION:** DO NOT FIRE WITH THE BARREL OPEN. THIS MAY RESULT IN INJURY, A BENT BARREL AND/OR CRACKED STOCK AND WILL VOID YOUR WARRANTY.

### **UNLOAD PELLET**

Fire the pellet at a safe target to unload the gun. If this is not practical, put the gun "ON SAFE", cock the gun to open the barrel and push the pellet from the chamber by running a cleaning rod through the muzzle end. Insert two felt cleaning pellets and discharge into a safe target.

### **TRIGGER DEVICE**

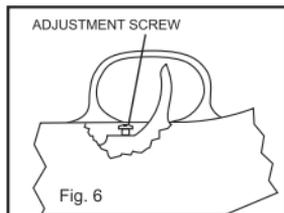
All RWS models are equipped with an adjustable two stage trigger, except for the Schütze. Both the trigger travel and pull-off point are already factory adjusted.

The length of first stage travel can be adjusted with the trigger adjustment screw (See Fig. 6).

Turn clockwise = shorter first stage.

Turn counterclockwise = longer first stage

Turning the adjustment screw too far counterclockwise will cause the second stage to be eliminated, resulting in the shooter not being able to feel the firing point.



**⚠ CAUTION:** CHECK THE TIGHTNESS OF THE TRIGGER GUARD AND STOCK SCREWS BETWEEN, DURING, AND AFTER SHOOTING ACTIVITY. LOOSE SCREWS MAY CAUSE INJURY OR DEATH.

## SIGHT ADJUSTMENT

RWS Rifles are equipped with a micrometer rear sight, with vertical and horizontal adjustment at the rear.

– The settings for elevation are marked by the numbers 0-9 on the elevation adjustment screw. If the rifle shoots high: turn the screw (1) clockwise (See Fig. 7a).

If the rifle shoots low: turn the screw (1) counterclockwise (See Fig. 7a).

*Note: the numbers 0-9 are reference numbers only and are not calibrated to distances.*

– Windage settings are marked on the sliding scale on the rear sight rail and are controlled by turning the screw (2) on the side (See Fig. 7a). If the rifle shoots to the right: adjust clockwise. If to the left: adjust counterclockwise.

– RWS Models 48, 52 and 54 are equipped with an adjustable front sight [(3)-See Fig. 7b]. It can be adjusted by loosening the screw (4), move it by sliding to a lower or higher position. Afterwards retighten the screw.

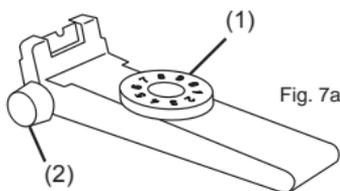


Fig. 7a

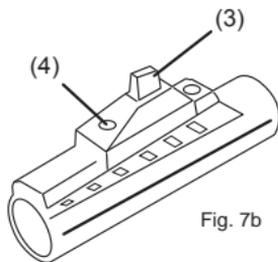


Fig. 7b

## STORAGE

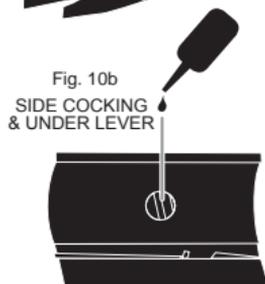
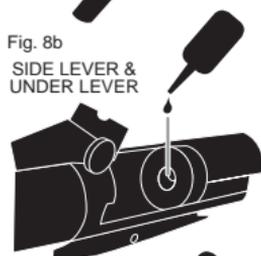
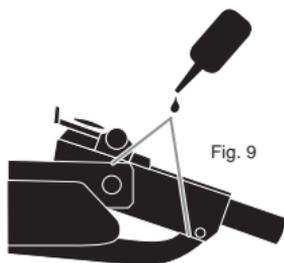
NEVER STORE A LOADED OR COCKED GUN. Put “ON SAFE” and unload pellet from the gun. Keep rifle away from children and untrained shooters. Store pellets separately from the rifle to keep them from untrained shooters. Protect your rifle from moisture and dirt; clean gun and wrap it in a smooth, dry cloth, or store the gun in the package it came in when new. If you are going to store your airgun for an extended length of time be sure the barrel is protected. This can be accomplished by coating the bore with a good acid-free and resin-free oil or grease. Always use a soft brush and insert the cleaning rod from the breech end on break barrel rifles. On side cocking and under lever rifles, insert the cleaning rod from the muzzle end. Remove the oil/grease completely before the next use. Always check to see if the airgun is “ON SAFE” and unloaded when getting it from another person or from storage.

**⚠ CAUTION:** CHECK TO SEE THAT THE AIR RIFLE IS UNLOADED WHEN GETTING FROM STORAGE OR ANOTHER PERSON.

**BARREL:** In day to day use, very little dirt or residue will accumulate in the bore. This can be removed by using soft felt RWS Cleaning Pellets. Note: High quality RWS lead pellets not only increase accuracy, they do not leave a lead deposit. During periods of regular use the bore of the barrel should be cleaned periodically by means of a felt wad or cleaning rod with wool mop. Wire brushes should not be used. Insert rod from breech end, do not remove barrel seal.

**SURFACE:** The exposed metal parts (rear sight, receiver, screw heads, sight hood, etc.) are a gun blue finish and **MUST** be wiped clean using a slightly oiled cloth after handling to prevent rust. Use light acid free and resin free oil. RWS Spring Cylinder Oil is excellent for this.

**⚠ CAUTION:** BEFORE ANY CARE, CLEANING, OR MAINTENANCE, ALWAYS BE SURE YOUR AIR RIFLE IS UNCOCKED AND UNLOADED. KEEP IT POINTED IN A SAFE DIRECTION. IT IS IMPORTANT TO PERFORM ROUTINE INSPECTIONS AND MAINTAIN YOUR AIR RIFLE PROPERLY.



**⚠ CAUTION:** OILS THAT CONTAIN ACID OR RESIN CAN DAMAGE THE BREECH SEAL, COMPRESSION SEAL, AND POSSIBLY THE FINISH OF THE STOCK.

**⚠ CAUTION:** FAILURE TO FOLLOW THE INSTRUCTIONS AND RECOMMENDATIONS IN THIS OWNER'S MANUAL MAY RESULT IN BODILY INJURY INCLUDING FACE, EYE, AND EAR INJURY, BLINDNESS, OR DEAFNESS.

**⚠ WARNING:** DO NOT BRANDISH OR DISPLAY THIS PRODUCT IN PUBLIC – IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.

## **MODIFICATION**

**⚠ CAUTION:** THE COMPONENTS OF YOUR AIR RIFLE WERE ENGINEERED AND MANUFACTURED TO DELIVER OPTIMUM PERFORMANCE. ANY MODIFICATION OR TAMPERING WITH YOUR AIR RIFLE MAY CAUSE A MALFUNCTION, WILL VOID YOUR WARRANTY, AND MAY MAKE IT UNSAFE TO USE. ANY CHANGE IN PERFORMANCE (SUCH AS A LOWERED TRIGGER PULL FORCE AND SHORTENED TRIGGER TRAVEL), INDICATES POSSIBLE MODIFICATION, TAMPERING, AND/OR WEAR. SUCH AIR RIFLE SHOULD BE INSPECTED, REPLACED, OR PROPERLY REPAIRED BY ONLY QUALIFIED UMAREX USA PERSONNEL. ANY AIR RIFLE THAT HAS BEEN DROPPED SHOULD BE CHECKED BY QUALIFIED PERSONNEL TO ENSURE THAT ITS FUNCTION HAS NOT BEEN AFFECTED.

**⚠ WARNING:** AN AIR RIFLE THAT IS NOT OPERATING PROPERLY MAY BE DANGEROUS. IT SHOULD BE KEPT SAFELY FROM USE BY ANYONE UNTIL REPAIRED OR DESTROYED. DO NOT TRY TO TAKE THE AIR RIFLE APART. IT IS DIFFICULT TO REASSEMBLE AND IMPROPER DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

## **AMMUNITION**

Your RWS air rifle is designed to fire caliber .177 or .22 lead pellets only. We recommend the use of RWS Pellets because of their superb accuracy and dimensional uniformity. The correct caliber is clearly stamped on the barrel near the breech block or on the breech block.

## **NEVER DRY FIRE YOUR AIR RIFLE**

If the air rifle is fired without a lead pellet or 2 cleaning pellets in the breech, it will cause the piston to bottom out in the cylinder which can permanently damage the air rifle.

**⚠ CAUTION:** DO NOT ATTEMPT TO REUSE FIRED PELLETS OR PELLETS WHICH ARE DEFORMED. PROJECTILES SUCH AS STEEL SHOT (BBS) AND DARTS MAY DAMAGE YOUR AIR RIFLE AND CAUSE INJURY TO YOURSELF OR BYSTANDERS DUE TO RICOCHETING.

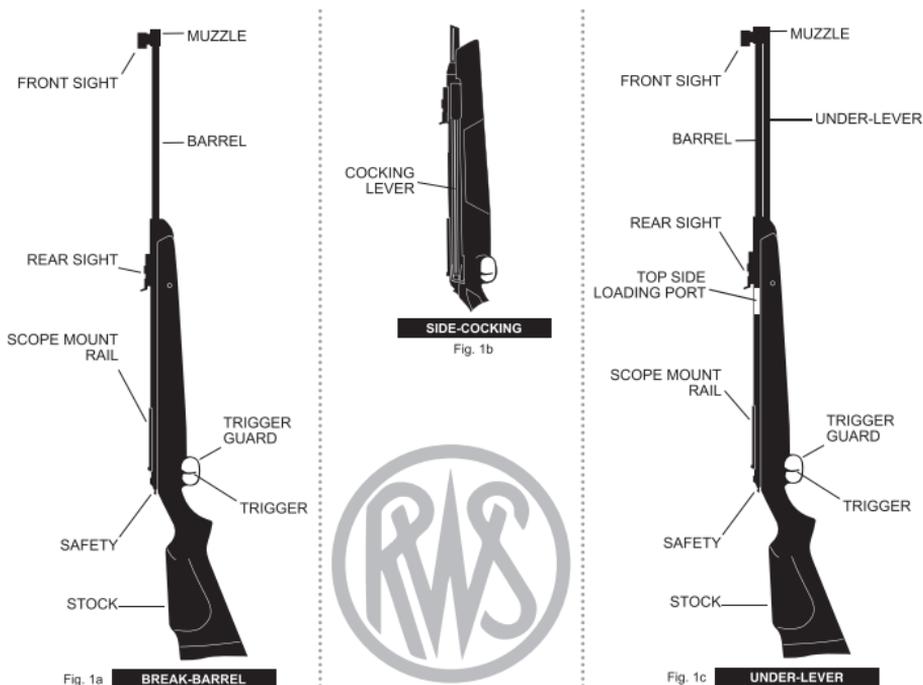
## **CARE AND MAINTENANCE**

**WORKING PARTS:** The working parts, like piston and mainspring require very little lubrication. Two (2) drops of RWS Chamber Lube every 1000 shots will suffice. It is easily applied through the compression chamber port with a 3 1/2" applicator needle (See Figures 8a & 8b). The wearing surfaces at the barrel hinge, the cocking arm and the trigger mechanism should be lubricated every 1000 shots with RWS Spring Cylinder Oil. (See Fig. 9) Mainsprings should be oiled every 1000 shots with six (6) drops of RWS Spring Cylinder Oil (See Figures 10a and 10b). Remember, a little is good – a lot is not better.

**⚠ CAUTION:** THIS AIR RIFLE CAN CAUSE SERIOUS INJURY OR DEATH. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A PELLET INTO THE AIR RIFLE UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A PELLET AND THEN DECIDE NOT TO SHOOT, REMOVE IT EITHER MANUALLY OR BY SHOOTING THE AIR RIFLE AT A SAFE TARGET. AN UNLOADED, UNCOCKED AIR RIFLE IS SAFEST. ACCIDENTS HAPPEN FAST, FATALLY WOUNDING SOMEONE IS A TERRIBLE THING. PLEASE SHOOT SAFELY.

Airguns differ in their operation and you are never ready to fire any gun until you are thoroughly familiar with it. Read the following operating instructions thoroughly prior to operating.

**⚠ CAUTION:** YOU AND OTHERS WITH YOU MUST WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. IF YOU WEAR READING GLASSES, YOU MUST WEAR SAFETY GLASSES INTENDED FOR USE OVER NORMAL OPTICAL READING GLASSES.



**⚠ CAUTION:** LIKE ALL MECHANICAL DEVICES, AN AIR RIFLE SAFETY CAN FAIL. EVEN WHEN THE SAFETY IS "ON SAFE", YOU SHOULD CONTINUE TO HANDLE THE AIR RIFLE SAFELY. NEVER POINT THE AIR RIFLE AT ANY PERSON. NEVER POINT THE AIR RIFLE AT ANYTHING YOU DO NOT INTEND TO SHOOT.

## **WARRANTY & REPAIR**

### **RWS® LIMITED LIFETIME WARRANTY ONLY FOR GUNS SOLD IN THE USA**

**16+**

The RWS warranty covers RWS airguns (original owner) against any defect in workmanship and materials for the life of the airgun. Any RWS airgun covered by this warranty which is found to have a defect in workmanship or materials will be replaced or repaired, at the option of RWS, for only the cost of shipping and handling.

Parts that can wear out, such as seals and mainsprings, will be warranted for the registered airgun for 18 months from the original retail purchase date.

Repairs can only be made by our Authorized Service Center. This limited lifetime warranty becomes invalid for any gun which is handled improperly, modified, or disassembled. Should any defect appear, call Umarex USA, Phone (479) 646-4210 for repair or replacement, at the option of the warrantor and to obtain an RA (Return Authorization) Number. Once you have received an RA Number from the RWS service department, package the gun carefully in a solid shipping box, include a money order or check in the amount of \$30.00 to cover the cost of shipping and handling. Write the RA Number boldly on the box and return, prepaid to:

Umarex USA, 7700 Chad Colley Blvd., Fort Smith, Arkansas 72916.  
The name, address and phone number of the shipper must be included in the package, along with a note explaining the defect found.

Under the warranty, you have our assurance of a lifetime of shooting pleasure with a RWS airgun.

This warranty does not cover guns used for commercial purposes or by institutions. These guns are covered only by our regular five year policy.

Never leave any airgun cocked for more than a few minutes because the mainspring can weaken. Only recommended lead pellets should be used. Other projectiles, such as steel darts, will damage the rifling of the barrel.

**UMAREXUSA®**

7700 Chad Colley Boulevard, Fort Smith, Arkansas 72916 USA

Phone: 1-479-646-4210 [www.UmarexUSA.com](http://www.UmarexUSA.com)

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# Gebrauchsanweisung

## Operating instructions

### Mode d'emploi

#### Vorweglänge:

Werkseitig ist der kürzeste Vorweg einjustiert. Durch Linksdrehung der Schraube (1) kann der Vorweg stufenlos verlängert werden.

#### Druckpunkt:

Bei eventuellem Verstellen des Vorweges muss jedoch der Druckpunkt ebenfalls verstellt werden. Dies geschieht durch Drehen der Stellschraube (2).

- Bei Rechtsdrehung: Grober Druckpunkt
- Bei Linksdrehung: Feinerer Druckpunkt

#### Vorweg- und Abzugsgewicht:

Durch Verstellen der Stellschraube (3) ist es möglich das Vorweggewicht bzw. das Abzugsgewicht zu regulieren.

- Durch Drehen der Stellschraube (3) nach rechts erhöht sich das jeweilige Gewicht.
- Durch Drehen der Stellschraube (3) nach links verringert sich das jeweilige Gewicht.

Das Vorweggewicht liegt zwischen min. 300 Gramm bis max. 380 Gramm.

Das Abzugsgewicht liegt zwischen min. 400 Gramm bis max. 500 Gramm.

#### First stage travel:

The first stage travel is reduced to a minimum by factory.

By turning the screw (1) the first stage travel will be extended.

#### Pull-off:

When the first stage travel will be adjusted the pull-off must be adjusted also.

This will be done by turning the screw (2).

- Turn clockwise: coarse pull-off
- Turn counter clockwise: finely adjusted pull-off

#### First stage weight and trigger weight:

It is possible to regulate the first stage weight and trigger weight by turning the screw (3).

- Turn clockwise: weight will be increased
- Turn counter clockwise: weight will be reduced

First stage weight ranges from 300 g (at a minimum) to 380 g (at a maximum).

Trigger weight ranges from 400 g (at a minimum) to 500 g (at a maximum).

#### Course avant bossette:

C'est la plus petite course possible qui est réglée en usine. Pour augmenter cette course il faut tourner la vis (1) vers la gauche.

#### Bossette :

Lorsque la course avant à été modifiée il faut régler la bossette à l'aide de la vis (2).

- En tournant la vis vers la droite : Bossette plus longue.
- En tournant la vis vers la gauche : Bossette plus fine.

#### Poids de détente:

- En tournant la vis (3) vers la droite, on augmente le poids de la course et par conséquent celui du départ.
- En tournant la vis (3) vers la gauche le poids diminue.

#### Fourchette de réglage du poids de détente :

Course avant bossette : de  $\approx 300$  g à  $\approx 380$  g

Poids de départ : de  $\approx 400$  g à  $\approx 500$  g

