

OPERATING INSTRUCTIONS

Model MSR RX 22™

www.anschuetz-msr.com



DIE MEISTER MACHER

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1 Models



PRECISION BLACK model

Fixed, non-foldable butt stock.

Matt black, powder-coated casing with wooden parts painted in grey.

Item No.: 012777



PRECISION model

Fixed, non-foldable butt stock.

Natural anodised aluminium finish with wooden parts painted in grey.

Item No.: 012778

COMPETITION model

Fixed, non-foldable wooden stock with short 10-shot magazine, hand stop, 11 mm grooved receiver, sight riser block and butt plate carrier with rubber butt plate.

Natural aluminum anodised finish with wooden parts painted in grey. Item No.: 013041



BLACK HAWK model

Matt black, powder-coated casing.

Foldable plastic butt stock.

Item No.: 012779

Fixed, non-foldable butt stock.

Item No.: 012934

BLACK HAWK G model

Matt black, powder-coated casing.

Foldable plastic butt stock, with barrel thread.

Item No.: 013495



DESERT model

Sand-coloured, powder-coated casing.

Foldable plastic butt stock.

Item No.: 012780

Fixed, non-foldable butt stock.

Item No.: 012935

DESERT G model

Sand-coloured, powder-coated casing.

Foldable plastic butt stock, with barrel thread.

Item No.: 013497

2 Components / Terminology



Fig. 1 Overall view (using the PRECISION model as an example)

- | | | |
|---|---|----------------------------------|
| [1] Wooden butt stock (non-foldable) | [9] Recessed muzzle | [17] Safety catch (two-sided) |
| [2] Folding sight (rear sight) | [10] Fore-end (varies according to model) | [18] Grip |
| [3] Casing guide | [11] Aluminum swivel rail (for wooden butt) | [19] Mount for sling swivel |
| [4] Picatinny rail | [12] Ejection port | [20] Prepared for clamping piece |
| [5] Cocking lever (3 three positions on both sides) | [13] Magazine guide | |
| [6] Folding sight (front sight) | [14] Magazine | |
| [7] Mount for sling swivel | [15] Two-sided magazine release button | |
| [8] ANSCHÜTZ precision barrel | [16] Adjustable trigger | |



Fig. 2 Fore-end of BLACK HAWK and DESERT models



Fig. 3 Foldable plastic butt stock (also available as fixed, non-foldable part)

3 Introduction

Dear ANSCHÜTZ Customer,

Thank you for choosing an ANSCHÜTZ product.

Many spectacular sporting successes have been achieved by marksmen, olympians and marksmen and women in world and European championships using ANSCHÜTZ sporting rifles.

ANSCHÜTZ hunting and sporting rifles are highly reputed as a result of their well-engineered design, workmanship and outstanding shooting performance. Quality and precision are a part of our tradition, and have grown as a result of our experience since 1856.

We wish you much pleasure and sporting success with your new ANSCHÜTZ product.

Your ANSCHÜTZ team



3.1 Key to symbols

In this operating instruction, the following symbols are used to distinguish between general information and particularly important information:

3.2 General instructions

- ▶ is the symbol for an instruction
- ✓ shows the desired result
- is the symbol for a list item
- ☞ is the symbol for a possible handling consequence

3.3 Safety instruction

- ⚠ identifies a safety instruction

	NOTE!
	A remark stipulating a particular behaviour.

	CAUTION!
	Indicates a hazardous situation that may lead to minor physical injury or material damage.

	WARNING!
	Indicates a hazardous situation that may lead to serious physical injury or death.

4 General instructions / Safety instructions

Guns are dangerous objects requiring the utmost care in their storage and use. The following safety and warning instructions must be observed without exception!



NOTE!

The firearms legislation of the relevant country must be respected and complied with.

4.1 General handling of guns



NOTE!


The use of firearms while under the influence of drugs, alcohol or medication is not permitted.


Vision, dexterity and judgement can all be adversely affected.

A good physical and mental constitution is a prerequisite for using a firearm.

- ⚠ A firearm must only ever be used for its designated purpose.
- ⚠ Firearms owners are responsible for ensuring that their firearm is at no time, and especially when absent, within reach of or accessible to children or other unauthorised persons.
- ⚠ Firearms must not be handed over to unauthorised persons.
- ⚠ Modifications to the rifle or the use of non-genuine ANSCHÜTZ accessories can lead to malfunctions.
- ⚠ Serious or life-threatening injuries and damage can be caused by the use of incorrect ammunition, by contamination in the barrel or by incorrect cartridge components.
- ⚠ Firearms that have been modified in a way that could affect safety must not be used. If a fault or malfunction is detected, the firearm must be unloaded and taken to an authorised gunsmith for repair.
- ⚠ In the event of external effects (e.g. corrosion, being dropped, etc.), the firearm must be checked by an authorised gunsmith.
- ⚠ A firearm must always be treated with the utmost care and be protected from accidental damage, such as falling over.

4.2 Shooting

	WARNING!
	Danger to life and cause of physical damage! Aiming the rifle at people and objects. <ul style="list-style-type: none">▶ When the rifle is not in use, keep the muzzle pointing in a safe direction.▶ The muzzle must never be pointed in a direction where it can cause damage or endanger life.

	WARNING!
	Malfunction when shooting! Shot not discharged after trigger pulled. <ul style="list-style-type: none">▶ Do not look down into the muzzle.▶ Keep the muzzle pointing in a safe direction.▶ Unload the firearm.▶ Remove any residues from the barrel.

- ⚠ Any firearm must always be treated as if it were loaded.
- ⚠ Never pick up a firearm by the trigger.
- ⚠ Shooting ranges must be adequately ventilated.
- ⚠ Any bullet trap in the shooting range must be completely safe and visible.
- ⚠ No persons may stand in the vicinity of the target during a shoot.
- ⚠ Firearms should not be used when visibility is poor.
- ⚠ Do not shoot into the air, at hard or smooth surfaces, at water or at targets on the horizon.
- ⚠ Do not shoot at targets if the bullet could ricochet or be deflected in a dangerous manner.
- ⚠ To prevent accidents or damage to the rifle, never discharge a shot with the muzzle held under water or against materials or objects.
- ⚠ Only shoot using the caliber specified on the rifle or on its barrel.
- ⚠ Only new, clean, factory-charged ammunition of the caliber permitted for the rifle may be used.
- ⚠ The ammunition must conform to the specifications of the C.I.P.
- ⚠ Only load the rifle immediately before use.
- ⚠ Life-threatening injuries and material damage can be caused by the use of incorrect ammunition, contamination in the barrel or by incorrect cartridge components
- ⚠ Only original ANSCHÜTZ parts may be used.

4.3 Maintenance

- ⚠ Ensure that the rifle is unloaded before and after use or during maintenance and cleaning.

4.4 Transport

- ⚠ Firearms may only be transported in an unloaded condition and in locked containers.
- ⚠ Only transport firearms in a clean, dry condition.
- ⚠ Always place the rifle in the transport case with the sight facing upwards (towards the handle). This position protects the rear and front sight from impacts, thus protecting the rear sight and front sight adjustment screws.

4.5 Storage

- ⚠ Firearms that are not in use must be kept in a secure place under lock and key.
- ⚠ Firearms must always be stored in an unloaded and uncocked condition.
- ⚠ Ammunition must be kept in a separate place under lock and key.

4.6 Ear and eye protection



NOTE!

For your own safety, approved ear and eye protection should be used when shooting!
Shooting without safety equipment can result in damage to the hearing and sight.

4.7 Legal provisions



NOTE!

The applicable firearms legislation, regulations and provisions for the relevant country must be observed, as must the safety rules of the hunting and sporting organisations.

4.8 Intended use

The ANSCHÜTZ small bore semi-automatic rifle is a target rifle. It must only be used on shooting ranges (for sporting disciplines) and may only be used by persons who hold the appropriate firearms permit.




NOTE!

A firearm must only ever be used for its designated purpose.

4.9 Liability

ANSCHÜTZ will accept no liability or claims for compensation for damage of any kind arising from:

- Failure to comply with the instructions in this operating instructions
- Improper treatment or repair
- Use of non-original ANSCHÜTZ parts
- Incorrect handling or care
- Negligence
- Removal of the sealing lacquer
- Unauthorised tampering or
- Transport damage.

	CAUTION!
	<p>Modifications to or tampering with the rifle or its parts are forbidden and may possibly infringe the guarantee conditions.</p> <p>Alterations of this kind can have an adverse effect on the safe use of the product and lead to accidents that endanger life and limb.</p> <p>In such cases the guarantee is automatically void.</p>

- ⚠ The firearm must be examined for any alteration or deterioration on each occasion before use!

4.10 Additional safety regulations

- ⚠ Never use the rifle under the influence of drugs or alcohol, if you are ill or suffering from any similar problem. Such conditions may negatively affect your decision-making or reflexes.
- ⚠ Always treat the rifle as if it were loaded and with its safety catch released until you are convinced otherwise by using the unloading procedure.
- ⚠ Always point the muzzle of the rifle in a safe direction when handling. A safe direction is pointing towards an area where there are no people, other living things or objects that do not constitute an acknowledged target.
- ⚠ Never point the rifle towards doors, sheets of glass, walls, concrete, stone or smooth surfaces (including water). A rifle bullet may go through such surfaces or ricochet in an unpredictable direction.
- ⚠ Never aim at yourself or any other living thing.
- ⚠ Never rely exclusively on the safety mechanism. No safety mechanism is a substitute for careful, correct and safe handling of the rifle.
- ⚠ Always handle the rifle as if the safety mechanism were not functioning. The best safety precaution is to always handle the rifle correctly, safely and with practised care.
- ⚠ Never use the rifle to shoot at any object in which water, sand, dirt or other foreign matter has penetrated.
- ⚠ Never uncock the hammer by holding it at the same time as pulling the trigger.
- ⚠ Never release a loaded rifle from your possession.
- ⚠ Always unload the rifle immediately after shooting it, before putting it away, placing it in a holster or passing it to another authorised person.
- ⚠ Never give the rifle to a person not completely familiar with the safety regulations and handling of the rifle through having read the appropriate instructions.

- ⚠ Never leave the rifle unattended and protect it from unauthorised access.
- ⚠ Never store the rifle while still loaded. Unload the magazine and make sure that a cartridge does not remain in the chamber of the barrel.
- ⚠ Always store the rifle and its ammunition separately, and ensure that no unauthorised person or children have access to either.

5 Safety mechanism:

5.1 Safety catch F/S – on both sides

Engaging the manual safety catch:

To engage the safety catch, press the manual safety catch up as far as it will go until the yellow dot is against letter "S" (see Fig. 4).

"S" = Safe

"F" = Fire



Fig. 4 Safety catch

5.2 Securing against unintentional discharge on dropping / Firing pin safety

An internal safety pin locks down the firing pin in order to prevent the firing pin from striking the cartridge. Pressing the trigger will remove the safety pin from the firing pin, thus allowing it to move.

6 Transporting the rifle

For your own safety and that of others, always transport the rifle unloaded and uncocked. Never carry a rifle that has already been cocked and that has a cartridge in the chamber.

Transport the rifle separately from its ammunition.

When placing the rifle in a box or soft case, always ensure that the rifle and the interior of the box or soft case is dry and that no water or residual moisture is present.

Always place only a clean, dry and well oiled rifle in its box or soft case.



NOTE!

Always ensure that all applicable laws relating to the transport of guns are observed!

7 Handling the rifle

7.1 General

The rifle is generally delivered covered in a thin protective layer of solid and liquid oils. Before using it for the first time, please carefully remove all excess oil.

7.2 Ammunition

Use only standard ammunition in its original packaging matching the caliber of your rifle. The correct caliber is marked on the rifle. **Never** use reloaded, "reworked", hand-loaded ammunition of any other caliber that does not comply with the appropriate standards.

7.3 Loading the magazine

Procedure:

1. Place the cartridge at the entrance to the magazine, near its feed lips (Fig. 5).
2. Pull the magazine spring down.
3. Push the cartridge to the back of the magazine (Fig. 6).
4. Only load as many cartridges into the magazine as you intend to shoot.
The sports rifle is delivered with a ten-shot magazine as standard.

Also available are a 2, 5, 20 and 22 shot magazine.

Fig.5



Fig.6



CAUTION!

Malfunction and danger of injury!

Use of unapproved ammunition and foreign objects.

- Use only the caliber permitted for use with the firearm.

7.4 Loading the rifle (ready for shooting)

- ⚠ The safety catch must always be in position "S"!
- ⚠ You must never load or reload the rifle in a vehicle, room or any other enclosed space. (except at a shooting range).
- ⚠ Always wipe away any excess liquid and solid oil and check that there are no foreign bodies or other materials present before loading.
- ⚠ Always point the muzzle of the rifle in a safe direction.
- ⚠ Do not place your finger on the trigger.
- ⚠ Keep your finger outside the trigger guard.
- ⚠ Load the rifle only immediately before shooting by inserting the magazine.
- ⚠ Pull the cocking lever to load the first cartridge.
- ⚠ Never rely exclusively on the safety mechanism.
- ⚠ The safety mechanism is no substitute for careful and correct handling of the rifle.
- ⚠ Never release a loaded rifle from your possession.



WARNING!

Danger to life!

Unintentional shooting as a result of a loaded, unsecured rifle.

- Keep the muzzle pointing in a safe direction.
- Engage the safety catch after loading the rifle.

Procedure:

1. Hold the rifle pointing in a safe direction.
2. Push the loaded magazine into the magazine guide (Fig. 7.1) – by pushing the base of the magazine (green arrow) (Fig. 7.1) and make sure that it is fully inserted into its rear sight (for example, by pulling the base of the magazine).
3. Pull the cocking lever back to its stop and then let it spring forward (Fig. 8).
4. Set the safety catch to position "F" (Fig. 4).
The rifle is now cocked and ready for shooting.

Fig. 7.1



Fig. 7.2

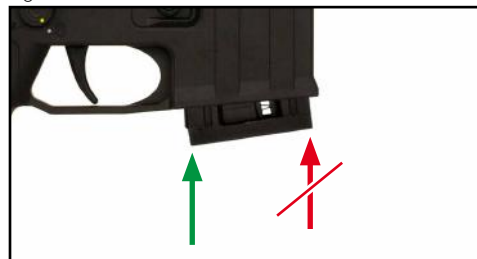


Fig. 8



7.5 Shooting

- ⚠ Make sure that the target and its surroundings allow safe shooting.
- ⚠ Ensure that your finger, hands or other body parts are neither in front of, above or beside the muzzle of the barrel or the ejection port.
- ⚠ Never allow anyone be positioned beside you where ejected cartridge cases may hit them.
- ⚠ Always wear ear protection and safety glasses while shooting.
Inform any persons nearby of the need to wear ear protection.
- ⚠ Cease shooting and unload the rifle immediately if you should suspect that a cartridge has not been inserted correctly, that a cartridge case has jammed, that a bullet may have blocked the barrel or where a shot sounded or gave the impression that it may have been "weak" or abnormal.
- ⚠ Never attempt to remove a blockage by shooting another shot.



CAUTION!

While shooting, hold the rifle by the hand guard and not by the magazine! Holding the weapon by the magazine can cause the weapon to malfunction!



NOTE!

The cartridge is inserted into the chamber of the barrel and the firing pin is cocked by closing the breech.

7.6 Reloading while shooting

After you have shot your last shot, the slide will remain in open position.

Remark:

- ▶ Place the safety catch in position "S".
- ▶ Never release the rifle from your possession.
- ▶ Point the rifle in a safe direction.
- ▶ Remove your finger from the trigger.

Procedure:

1. Remove the empty magazine by pressing the magazine release button (Fig. 9).
 2. Push the loaded magazine into the magazine guide and make sure that it is fully inserted into its rear sight. (Fig. 10)
 3. Pull the cocking lever back to its stop and then let it spring forward. (Fig. 11)
 4. The rifle is now reloaded and cocked.
 5. Place the safety catch in position "F".
- ✓ **The rifle is now ready to shoot.**



7.7 Unloading the rifle – magazine is not empty

Remark:

Never release a rifle from your possession until it has been unloaded.
When the rifle is loaded, there is a cartridge in the chamber.
Never put your hand over the ejection port.

Procedure:

1. Place the safety catch in position "S".
2. Press the magazine release button to remove the magazine. (Fig. 9 on Page 8)
3. Point the muzzle of the rifle in a safe direction.
4. Pull the cocking lever back to the stop and hold it in this position. This will cause the cartridge to be ejected. (Fig. 12)
5. Check (visually and manually with the appropriate aid) to make absolutely sure that the cartridge has been ejected and that there is no longer any cartridge in the chamber. (Fig. 13)
6. Let the cocking lever spring forward.
7. Empty the magazine.
8. Recover the ejected cartridge and clean the rifle.

IMPORTANT: The rifle is now unloaded but not uncocked!

Fig.12



Fig.13



7.8 Unloading the rifle – magazine is empty

Remark:

Never release the rifle from your possession until the magazine has been removed and the rifle is unloaded.

Procedure:

1. Hold the rifle so that the muzzle is pointing in a safe direction.
2. Press the magazine release button and remove the magazine. (Fig. 14)
3. After the last cartridge has been ejected, the ejection port should remain open.
4. Check (visually and manually with the appropriate aids) to make absolutely sure that there is no cartridge left in the chamber. (Fig. 15)

IMPORTANT: The rifle is now unloaded but not uncocked!

7.9 Uncocking the rifle

Remark:

Only touch the trigger if there is no cartridge left in the chamber or in the barrel.

Procedure:

1. When you are sure that there is no cartridge in the chamber or in the barrel, remove the empty magazine. (Fig. 16)
2. Pull the cocking lever fully back and let it spring forward again (Fig. 17). The slide must spring forward simultaneously, causing the ejection port to close.
3. Place the safety catch in position "F" and press the trigger.
4. The firing pin springs forward.
5. The rifle is now uncocked.
6. Place the safety catch in position "S".



NOTE!

If you pull back the cocking lever after completing this procedure you will re-cock the rifle!

Fig.14



Fig.15



Fig.16



Fig.17



8 Sights

8.1 Setting the rear sight

1. In order to raise the rear sight, press the click (Fig. 18).
To lower it, press it down (forwards), until it clicks in position (Fig. 19).
2. To set the rear sight, you turn the adjustment screw (Fig. 20) anticlockwise to move it to the right (if your shots are veering to the left) or clockwise to move the rear sight to the left (if your shots are veering to the right).
3. Simply stop turning the screw when the rear sight is in its ideal position.
It will remain in its current position.
4. You vary the diameter of the rear sight hole by folding down the rear sight blade (Fig. 21). The sight adjustment you have just made will remain unchanged!

Fig.18

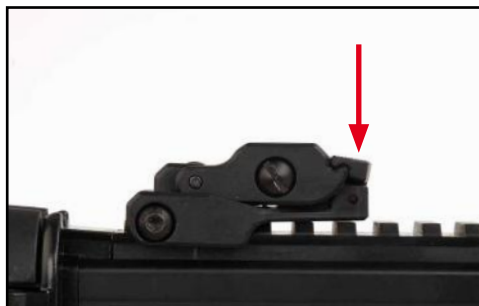


Fig.19

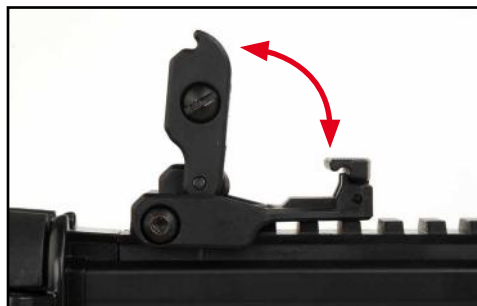


Fig.20



Fig.21



8.2 Setting the front sight

1. In order to raise the front sight, press the click (Fig. 22).
To lower it, press the front sight back down again (to the rear) until it clicks in position (Fig. 23).
2. To adjust the front sight (Fig. 24) press the engagement knob down with a sharp object (Fig. 25). The height of the front sight can be set by turning the front sight.
3. Turn the aperture to the desired position, release the catch bolt and allow it to click into place again.



CAUTION!

Danger of injury!

Rear sight and front sight are under strong spring pressure!

Fig.22

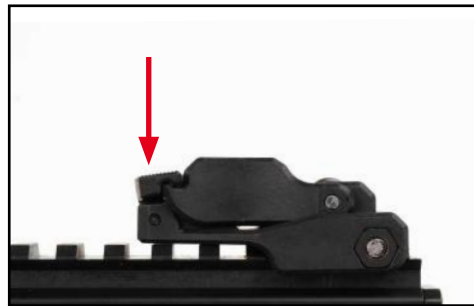


Fig.23

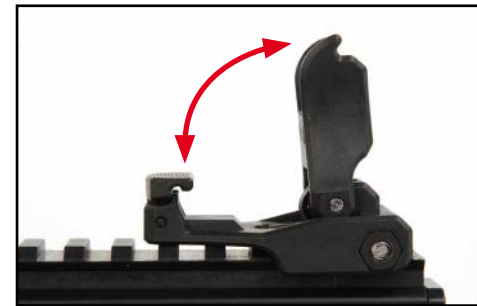


Fig.24



Fig.25



9 Butt stock (varies according to model)

9.1 Adjusting the plastic butt stock

You can adjust the plastic buttstock in two different ways.
You can adjust the length of pull and the height of the comb.

Procedure:

1. You can adjust the height of the comb by pressing the **adjustment knob 1** and manually lifting the comb (Fig. 26).
2. You can set the length of the butt stock on the rifle by pressing the **adjustment knob 2** and pulling the butt insert backwards. The butt insert can be pulled out to three different positions. Select the most comfortable position (Fig. 26).
3. To fold the butt stock over, press the **folding knob 3** (Fig. 26) and push the butt stock sideways (Fig. 27).
4. To shoot, pull the butt stock back into its shooting position, by pulling it back until you hear a click, which indicates correct positioning and fixing of the butt stock.



NOTE!

With non-folding stocks (which will depend on the model), any attempt to fold the butt stock forcefully will lead to damage to the stock. Please note that: Models with fixed, non-folding butt stocks, cannot be modified later to make them "foldable"!

Fig.26



Fig.27



9.2 Adjusting the wooden butt stock

You can extend the fixed, non-folding wooden butt stock (Fig. 28) by adding original ANSCHÜTZ accessories (Fig. 29). You have the option of fitting different butt plates (either hooked or rubber) with an adjustable-length butt plate carrier, which can then be adjusted to the marksman or woman using it.

Fig.28



Fig.29



Additional information, such as specifications, product images and accessories can be found in our current MSR RX22 catalogue and on the internet at:
www.anschuetz-msr.com

10 Trigger



WARNING!

Danger to life!

Danger to life from a loaded firearm.

- Make sure that the rifle is unloaded when carrying out the alignment and adjustment procedures.



CAUTION!

Physical damage!

Damage to the trigger caused by the bolt not being open when the trigger is changed.

- Open the bolt when changing the trigger.

10.1 Trigger weight

The trigger weight of the Match single stage trigger is set in the factory to approx. 1,800 g. It can be set within the approximate range of approx. 1,500 - 2,500 g.

10.2 Setting the trigger weight

Adjusting the trigger weight by means of the adjusting screw:



Release and remove the screws at both sides of the grip!



The section width of the screw for setting trigger weight is 2.5 mm.



Turn the screw **clockwise** to **reduce** the trigger weight.



Turn the screw **anti-clockwise** to **increase** the trigger weight.

11 Assembling the cocking lever – UCAS system

UCAS = universal cocking adaptation system
(patent applied for)

Before you can use the rifle you must first assemble the cocking lever:

- You can mount the cocking lever in six different positions (Fig. 30).
(3 on the right-hand side and 3 on the left-hand side of the rifle).
- Press the cocking lever with its pins into the cocking level hole that you would like to use.

To change the position of the cocking lever, proceed as follows:

1. Pull the cocking lever out of its current position.
2. Place the cocking lever in the position you require and press it in.
You will hear a click when the cocking lever has been pushed in fully and fixed on the rifle.

Fig.30



12 Maintenance



WARNING!

Danger to life!

Danger to life from a loaded firearm.

- Ensure that the rifle is unloaded before use or during maintenance and cleaning work.



CAUTION!

Injury and physical damage!

Danger of injury or physical damage as a result of not removing the oil from the barrel and chamber.

- Before each time you shoot the rifle you must remove any oil or foreign objects from the barrel and chamber.

12.1 Disassembly for cleaning

Procedure:

1. Check that the rifle is uncocked and unloaded.
2. Make sure that the chamber is empty.
3. Turn the rifle over.
4. Remove the grip by releasing the 2 screws and removing the 2 bolts (Fig. 31).
Remove the grip as shown.

Fig.31



Fig.31





NOTE!

We do not recommend further disassembling the rifle. Cleaning can take place without any further disassembly.



CAUTION!

Always look out for any deterioration or damage that may occur to the rifle.

In the event of a change or damage, the rifle must immediately be taken to an authorised gunsmith or sent to ANSCHÜTZ for inspection.



NOTE!

The rifle should be protected from dust, sand, moisture, heat and damaging influences.



NOTE!

After each use of the rifle, apply a thin film of oil to the steel parts and thoroughly clean the barrel.

When the rifle is transported from cold to warm rooms, condensation can form on the metal parts and inside the barrel. If this condensation is not quickly dried off, it can possibly lead to surface rust.

No other aids (felt plugs, unapproved grease, etc.) should be used for cleaning the barrel.

NOTE!



The rifle case/ soft case should be cleaned regularly and any dust and fluff removed.

Rifle cases/ soft cases should have a smooth, dust-repellent lining.

When not in use, the rifle case/ soft case should always be left open to allow moisture to escape. Enclosing a desiccant can reduce the moisture content.

A rifle case/ soft case should only be used for transport and should never as a storage device or gun-safe replacement.



WARNING!

Screws (with the exception of screws fastening the grip to the rifle body) are secured using medium strength screw adhesive (LOCTITE 243).

After they have been released they must be re-secured using medium strength screw adhesive (LOCTITE 243) in particular the bolt action screw.

Very important:

if the bolt action screw is not secured with LOCTITE it can work loose when the rifle is being used and will result in damage to the bolt carrier.



12.2 Cleaning

The above disassembly instructions are sufficient for cleaning. Any further disassembly of the rifle should only be completed by qualified personnel. Do not use a steel brush or any other hard materials to clean the barrel or any other metal part. This may damage the smooth surface of the barrel and the rest of the rifle.

Use only a suitable brush of the correct caliber, the cornering brush provided (Fig. 32), a cleaning rod or the 507 bore snake with a cotton wick (Fig. 33). Solvents may damage the surface of the rifle.

Before using any detergent or solvent, read the manufacturer's instructions.

Procedure:

1. Dampen the cornering brush (Fig. 32) with gun oil and insert it into the chamber (Fig. 34) and remove all powder residues and soiling carefully.
2. Wipe away powder residues and oil from the barrel bore and chamber using cleaning tissues.
3. Remove dirt from the bolt housing and bolt block using a brush or cleaning tissues and then wipe it with a cloth soaked in gun oil or grease.
4. Lightly oil the chamber.

Fig. 32



Fig. 33



12.3 Cleaning the barrel

If the barrel is only **slightly dirty**, use a plastic brush or cotton wick with a bore snake or a cleaning rod to clean it. Lightly oil the plastic brush or cotton wick and push it through the barrel from the chamber using a suitable bore snake. (Fig. 35).

If the barrel is **very dirty**, use a suitable bronze brush with a suitable barrel cleaner. Lightly oil the bronze brush and push it through the barrel from the chamber using a suitable bore snake (Fig. 35).



NOTE!

Pay attention to the user instructions for the cleaner!

Pull a cotton wick through the barrel several times to dry it.



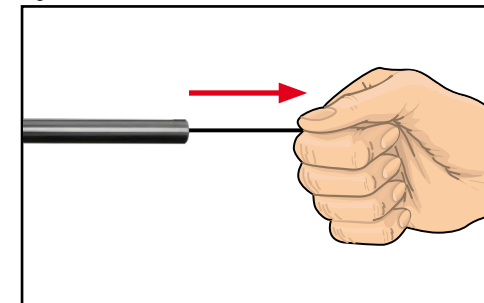
NOTE!

It is essential to re-oil the barrel after using ammonia-containing cleaning agents, to avoid the risk of corrosion.

Fig. 34



Fig. 35



12.4 Assembling the rifle

Procedure:

1. Check that the rifle is uncocked and unloaded.
2. Make sure that the chamber is empty.
3. Turn the rifle over.
4. Place the grip back into its position on the frame.
Fix the grip by inserting the 2 bolts and tightening up the 2 screws (Fig. 35).

12.5 Caring for the rifle

- ⚠ Always ensure that the rifle is in flawless condition and is fully functional.
- ⚠ Always clean the rifle after use.
- ⚠ Never repair parts of the rifle yourself.

Fig.35



- ⚠ Have the rifle checked every twelve months by a qualified gunsmith or armourer as defects, wear, corrosion, etc. are not always visible from the exterior.
- ⚠ However, for repairs and maintenance tasks, we recommend sending the rifle to your dealer /importer, who will always have a full range of replacement parts in stock.
- ⚠ If you order replacement parts without sending the rifle off, you are yourself responsible for ordering the correct part and for its correct attachment by a qualified gunsmith or weaponry technician.

12.6 Maintenance frequency

Before shooting

- Carefully remove any oil from the rifle.
- ⚠ De-oiling of the rifle should be carried out at room temperature, as too many residues can be left in the barrel if it is very cold.
- Shoot about 10 shots in order to recover consistent shooting performance (oiling shots).

After shooting

- Allow the firearm to warm up to room temperature with its bolt open.
- Carefully remove condensate from the outside parts.
- Dismantle the firearm and remove condensate from the individual parts as well.
- Oil the rifle (including the stock) with a suitable gun oil.
- Clean the barrel with a plastic brush and gun oil.

With new rifles (up to 10,000 shots) at 1,000 shot intervals and then at a min. of 5,000 shot intervals

- Clean the barrel from the chamber to the muzzle using a suitable barrel cleaner and a brass brush.
- ⚠ Do not pull the brush backwards and forwards in the barrel.
- Unscrew the brass brush outside the muzzle and carefully pull the cleaning rod back through the barrel.

12.7 Problem solving / Troubleshooting



WARNING!

In the event of malfunctions (e.g. shots not discharged, etc.) the rifle must be unloaded, secured and taken without delay to a specialist dealer / gunsmith or sent to ANSCHÜTZ.

Maintaining (cleaning and inspecting) the rifle according to the instructions provided can prevent incorrect functioning. However, if problems should occur while shooting, then proceed as follows:

⚠ Hold the rifle so that it is pointing in the shooting direction (i.e. the safe direction) and keep your finger away from the trigger while performing the actions described below.

Procedure:

1. Remove the magazine.
2. Pull the cocking lever back to the stop and hold it in this position (Fig. 36).
3. Check (either visually or with a tool) that there is no projectile, cartridge, casing or foreign body in the barrel bore or chamber (Fig. 37).
4. If there is a projectile in the bore, disassemble the rifle and have the blockage removed by a qualified gunsmith using a suitable tool.
5. Remove all cartridges, casings or foreign objects.
6. Clean and oil the rifle and re-assemble it.
7. Have the rifle inspected by a gunsmith or armourer.

Fig.36



Fig.37



12.8 Safe storage and securing the rifle

Warning:

- ⚠ Always store the rifle unloaded and in a clean condition.
- ⚠ Always store the rifle separately from its ammunition under lock and key.
- ⚠ Children and unauthorised persons should not have access to the rifle or its ammunition.

12.9 Sending the rifle to ANSCHÜTZ

Important remark:

The ANSCHÜTZ internet site contains instructions for sending your rifle to the company for maintenance.

ANSCHÜTZ cannot accept a rifle without previous authorisation.

12.10 Accessories (you can see a list of accessories on the ANSCHÜTZ website)

You can find essential information for ordering accessories or replacement parts from your local dealer or customer service department.

- Rifle model (caliber, designation)
- Rifle serial number
- Order number

13 Technical data

Modell Model	Best.- Nr. Item- No.	Kal. Cal.	Farbe Color	Hinterschaft Butt stock	Abzugs- gewicht, eingestellt ca. Trigger weight, adjusted, approx.	Verstellbereich des Abzugs- gewichtes ca. Adjustment of the trigger weight, approx.	Visierlänge ** Length of aiming **	Gesamtlänge Total length		Höhenverstellung des Schafrückens Height adjustment of the cheek piece	Gesamt- höhe Total height	Gesamt- breite Total width	Lauflänge Barrel length	Laufmün- dungs-Ø Muzzle diameter	Dralllänge Length of twist	Zugzahl Number of discharges	Schaftlänge Length of pull	Gewicht *** ca. Weight *** approx.
MSR RX 22™ Precision Black	012777	.22 l.r.	schwarz-grau black-grey	Holz, starr, nicht klappbar Wood, fixed, non-foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	850 mm 33.5 inch		-	200 mm 7.9 inch	37 mm 1.5 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	335 mm 13.2 inch	3.150 g 6.94 lbs
MSR RX 22™ Precision	012778	.22 l.r.	stainless/ schwarz-grau stainless/ black-grey	Holz, starr, nicht klappbar Wood, fixed, non-foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	850 mm 33.5 inch		-	200 mm 7.9 inch	37 mm 1.5 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	335 mm 13.2 inch	3.150 g 6.94 lbs
MSR RX 22™ Black Hawk	012779	.22 l.r.	schwarz black	Kunststoff, klappbar Plastic, foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	824 – 862 mm / 635 mm 32.4 – 33.9 inch / 25 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	315 – 350 mm 12.4 – 13.8 inch	3.150 g 6.94 lbs
MSR RX 22™ Black Hawk G	013495	.22 l.r.	schwarz black	Kunststoff, klappbar Plastic, foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	854 – 892 mm / 665 mm 33.6 – 35.1 inch / 26.2 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	450 mm 17.7 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	315 – 350 mm 12.4 – 13.8 inch	3.170 g 6.99 lbs
MSR RX 22™ Desert	012780	.22 l.r.	sand sand	Kunststoff, klappbar Plastic, foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	824 – 862 mm / 635 mm 32.4 – 33.9 inch / 25 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	315 – 350 mm 12.4 – 13.8 inch	3.150 g 6.94 lbs
MSR RX 22™ Desert G	013497	.22 l.r.	sand sand	Kunststoff, klappbar Plastic, foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	854 – 892 mm / 665 mm 33.6 – 35.1 inch / 26.2 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	450 mm 17.7 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	315 – 350 mm 12.4 – 13.8 inch	3.170 g 6.99 lbs
MSR RX 22™ Black Hawk FIX*	012934	.22 l.r.	schwarz black	Kunststoff, starr, nicht klappbar Plastic, fixed, non-foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	860 mm 33.9 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	340 mm 13.4 inch	3.150 g 6.94 lbs
MSR RX 22™ Desert FIX*	012935	.22 l.r.	sand sand	Kunststoff, starr, nicht klappbar Plastic, fixed, non-foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	860 mm 33.9 inch		10 mm 0.4 inch	200 mm 7.9 inch	35 mm 1.4 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	340 mm 13.4 inch	3.150 g 6.94 lbs
MSR RX 22™ Competition	013041	.22 l.r.	stainless/ schwarz-grau stainless/ black-grey	Holz, starr, nicht klappbar Wood, fixed, non-foldable	1.800 g 4.0 lbs	1.500 – 2.500 g 3.3 – 5.5 lbs	max. 430 mm 16.9 inch	875 – 910 mm 34.4 – 35.8 inch		-	200 mm 7.9 inch	37 mm 1.5 inch	420 mm 16.5 inch	17 mm 0.67 inch	420 mm 16.5 inch	8	360 – 400 mm 14.2 – 15.7 inch	3.150 g 6.94 lbs

*Der Schaft ist in der Länge nicht verstellbar und auf mittlere Einstellung (Stufe 2) fixiert.

*The stock is not adjustable lengthwise and fixed on middle adjustment (level 2).

** abhängig von Visierung

** depending on sight set

*** Gewichtsangabe mit 10-Schuss Magazin (110 g) und ohne Visierung

*** Weights with 10-shot magazine (0.24 lbs) and without sight set

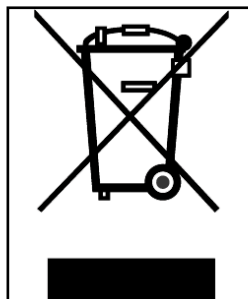
G = Laufgewinde
G = Barrel thread



14 Disposal

The disposal of the rifle must be carried out and certified by a specialist dealer or gunsmith.

Follow all currently applicable legal regulations relating to the disposal of hand firearms.



15 Miscellaneous

Additional information is available on the internet at www.anschuetz-msr.com.

ANSCHÜTZ provides news about this and other products in the ANSCHÜTZ Newsletter, which you can sign up to for free on the internet.

16 Shooting performance

The shooting precision of a rifle depends on several factors.

One very important factor in this respect is the ammunition. Not every barrel shoots with the same efficiency. Considerable performance differences are apparent with each ammunition type. For this reason the ammunition you use and the sights on your rifle should be matched appropriately.

Even ammunition from the same manufacturer and the same batch can, from one production run to another and from one rifle to another, result in varying shooting performance and shot accuracy. If the most suitable ammunition and sights have been selected, we can guarantee the excellent shooting performance of our weapons. See our guarantee card.

www.anschuetz-msr.com

17 Guarantee card

<<< WARRANTY >>>

1. Material: This product has been released for sale after the product itself, its materials and individual components have been subjected to strict inspection, or the rifle has demonstrated its durability and function during test shooting. J.G. ANSCHÜTZ GmbH & Co. KG offers a full guarantee covering material and manufacturing faults (excluding broken stocks and springs) for a period of two years, provided that the fault can be shown to have been present at the time of handover of the product. No warranty claims will be accepted by J.G. ANSCHÜTZ GmbH & Co. KG for faults that are the result of improper use or unauthorised repairs. The item will either be repaired or replaced at our discretion. Claims for compensation - put forward for any legal reason whatsoever - are excluded.

2. Shooting Performance: The purchaser undertakes to inform J.G. ANSCHÜTZ GmbH & Co. KG in writing of any faults detected in shooting performance within one month of purchase with the submission of their own shooting record. J.G. ANSCHÜTZ GmbH & Co. KG reserves the right to transfer the rifle to an independent agency for inspection (DEVA or a national ballistics office). Should such an agency confirm excellent shooting performance, J.G. ANSCHÜTZ GmbH & Co. KG is entitled to charge the purchaser the costs of the rifle inspection. The accepted warranties do not apply to rifle damage resulting from mechanical effects and improper use or care by the purchaser. The warranty is excluded if the rifle has been repaired or modified by unauthorised persons. Likewise, the warranty is cancelled when using reloaded ammunition or ammunition which is not CIP approved.

In the event of a warranty/damage claim please enclose this card, completed and signed by your dealer, with the product.

J.G. ANSCHÜTZ GmbH & Co. KG · Jagd- und Sportwaffenfabrik
Daimlerstrasse 12 · D-89079 Ulm/Germany · www.anschuetz-sport.com

ANSCHÜTZ
DIE MEISTER MACHER

SERIAL-NO.: _____

DATE: _____

THIS ITEM WAS BOUGHT FROM: *(Stamp and signature of dealer)*