

MANUAL TPG 1

UNIQUE ALPINE



Unique Alpine® AG (corporation)

Manual

T P G 1

This manual is an essential part of the rifle, which must under no circumstances be passed on without this manual. If this manual should be lost or damaged, you can download it for free on the internet address www.unique-alpine.com/support.html as a PDF-document. Alternatively, it can be bought in printed form at the price of 20 €.

Manual

TPG 1

It is indispensable to read this manual thoroughly before using your precision firearm. You can assume safe handling when using your Unique Alpine® firearm only if you are aware of all perils caused by the use of firearms and if you observe the following safety precautions as well as this manual.

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Safety

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Safety

Failure to observe the following instructions and warnings as well as failure to carry out safety precautions can endanger you or third party persons, serious consequences as well as injuries, resulting in long-term consequences. Death and serious damage to property due to inadequate operation or disregard of warning instructions and safety precautions cannot be excluded!

Please note that we do not sell firearms (among these are: pistols, revolvers, rifles etc.) without explicitly advising our customers that we categorically preclude any liability for the safe use, resale and handing the firearms to third party persons in accordance with the local regulations and laws.

The Unique Alpine ® AG cannot be made liable for any malfunctions of the weapon as well as any bodily harm, death or damage to property how so ever caused by the following items:

- Firing or negligent firing of the firearm with criminal intention
- inappropriate or careless operation as well as incorrect handling for lack of sufficient knowledge
- alterations of the firearm
- Defective, incorrect or ammunition that has been stored to long, reloaded or not tested in accordance with CIP/SAAMI.
- corrosion, e.g. rust
- neglecting, lack of care as well as insufficient maintenance
- any kind of misuse
- mental illness, schizophrenia, body malfunctions
- any kind of influence beyond our direct or indirect control

These restrictions are applicable regardless of whether a liability is based on a contract, a negligence or strict liability (including the failure to give a warning). The Unique Alpine ® AG can under no circumstances be made liable for any accidental or consequential damage such as forfeited use of property, commercial losses as well as losses of wage and profit or forfeited zest for life.

Use of this manual

Symbols



Information



Danger to life



Attention! Important!



Prohibited

This manual provides you with the chance to learn about and use all functions of your firearm. In addition to the description of all the individual functions, you will also receive information on all operating components as well as their positioning on the firearm. Furthermore, this manual contains a number of important warning advice, which should be taken into consideration under all circumstances.

In order to facilitate the use and understanding of this manual, you will find, next to the illustrations of the firearm, symbols referring to important notes.

Safety instructions

The following safety instructions have to be observed.

- Regard all firearms as being loaded with safety released, as a principle!
- Never aim at persons when handling and practising with your firearm. The firearm to be held towards a safe direction.
- Refrain from handling your firearm after consuming drugs, alcohol or medicine, even if it is only the smallest amount.
- Also refrain from handling your firearm whenever you are physically ill or tired.
- Before using your firearm, read through these instructions thoroughly. Do not use your firearm until you have finished reading this manual and have fully understood it.
- In addition to this manual, ask your firearms dealer or gun producer to explain your firearm to you and instruct you how to use it in a detailed manner.
- Always pay heed to the applicable legal regulations regarding carrying and storing arms and ammunition.
- Attention! The legal rules can differ from one country to the other, Federal states (Germany), provinces (Austrian "Bundesländer") or administrative districts (Swiss "Kantone") or can be interpreted differently.
- Keep your firearm locked away and separated from the ammunition!
- Please ensure that your firearm is inaccessible to children and unauthorized persons.
- If necessary, keep your firearm separated from the bolt.
- Before using your firearm, check if:
 - the breech is open
 - the magazine is empty and has been removed from the firearm
 - the firearm is unloaded (chamber free)
 - the barrel is not blocked (free of foreign matters)

- Never pull the trigger when loading or unloading your rifle or handling it in any other way. As a principle, keep your fingers on the outside of the trigger guard and away from the muzzle of the barrel
- Use only flawless ammunition which is clearly and explicitly appropriate for your firearm, approved by CIP/SAAMI /NATO, packed in original boxes and charged in a professional factory.
- Reloaded ammunition can cause damage to your firearm and serious injuries resulting in death.
- Always use dry ammunition which is not lubricated
- Under no circumstances, use corroded ammunition or ammunition which has been stored too long.
- Wear ear muffs when shooting, as otherwise the report will damage your sense of hearing permanently.
- Wear protective glasses when shooting, as your eyes can be endangered by splinters or cartridge cases ricocheting from walls.
- Mind that the position of the muzzle and thus the direction of the projectiles' trajectory can very easily change while you are shooting.
- As a principle, always apply the safety of your firearm..
- Do not fill the magazine until immediately before using your rifle.
- Do not put your magazine filled with ammunition into your firearm until you have positioned yourself at the firing point.
- Do not load and release the safety of your firearm until immediately before firing a shot, hold your firearm exclusively into the direction in which you are shooting.
- Before your fire a shot, ensure that there is a safe target butt. •Bringen Sie die Waffe in Zielrichtung und beachten Sie, dass dabei keine Gefährdung von der Waffe ausgeht.
- When firing a shot, never hold your firearm at the breech, as in the case of a "split case" gas pressure can escape through the gas shrouds and vents causing serious injuries on your hands.

Please read all security instructions carefully. If you have any questions, do not hesitate to contact your fire-arms dealer, who will be glad to assist you

- Hold your firearm towards the direction aimed and ensure that your firearm is no source of danger.
- Aim only at targets you have clearly recognized.
- The muzzle area of your firearm has to be kept clear when shooting.
- Do not put your finger on the trigger unless you intend to fire a shot.
- Never shoot at smooth areas or water.
- In case a cartridge fails, open the breech after 60 seconds. This is the only way to be safe from a delayed primer causing flare back.
- When leaving your position at the rifle range, unload your firearm, open the breech, put the firearm on safety and remove the magazine from the firearm.
- Do not hand your firearm to anybody who has not read and understood the manual as well as the security instructions.
- Clean your firearm only when it is unloaded and when the bolt has been removed.

Ammunition

Use only high-quality rounds from original factories. Ensure that your ammunition is delivered in the original packaging. Under no circumstances, use corroded, dirty, wet, bent or otherwise damaged cartridges. These cartridges damage the chamber of your firearm, which has an impact on precision, or they can cause other kinds of damage such as serious damage to your firearm or even to your health. Use only cartridges of the calibre that your firearm has been produced and provided for. The barrel of your firearm has been engraved permanently with this calibre, any ammunition of another calibre must not be used in any case.

If you do use another calibre, you will lose not only your right to claim under the guarantee on your gun, but you will also risk your health!

Do not use ammunition that has been reloaded or re-produced and loaded by hand or ammunition that does not comply with industrial standards set by CIP/SAAMI (Sporting Arms and Ammunition Manufacturers Institute, Inc. of the United States) or NATO. Only by observing these regulations, you can be assured that the ammunition keeps to the performance data in accordance with your firearm. At the same time, you protect yourself against safety risks and major variations as far as the performance of your firearm is concerned.

Defective or incorrect cartridges or cartridges with an excess of propellant powder can cause an overpressure inside the chamber or the barrel while you shoot. This overpressure can badly damage your firearm and result in serious injuries of the shooter or other persons. The same consequences can be caused by using dirty, corroded (e.g. rust, oxidation etc.) or damaged cartridges; these cartridges can, under certain circumstances, cause split cases, which can result in the fact that high-pressure gases can suddenly escape and damage the interior of the firearm mechanism. These gases can also injure you when they escape through the shrouds and vents.

Immediately stop shooting, unload your firearm observing the safety instructions and check the barrel for foreign matters after removing the bolt in the following cases:

- If you sense an unusual resistance when locating the cartridge into the chamber.
- If the cartridge can be put into the chamber only with great difficulty.
- If the breech cannot be locked completely.
- If the shot sounds or feels as if it was weak or abnormal.
- If there is a time delay between the attempt to fire the cartridge and the actual firing of the cartridge..
- If the bolt can be opened only with great difficulty or physical effort.



In the following cases, Stop Shooting Immediately, unload your firearm observing the safety instructions and send your firearm to an authorized Unique Alpine ® service agent for a safety check, as your firearm can be damaged badly. This damage could endanger your safety and the safety of third party persons.

- If cartridges which are inadequate to your calibre are lying loose in the chamber (chamber does not hold cartridge case)
- If a shot sounds far too loud or feels too intense
- If power gases have escaped through the gas shrouds and vents when a cartridge is fired
- If cartridge cases have been torn
- If the bolt can no longer be opened after firing a cartridge
- If you find loose metal parts in the breech
- If you find a bulge on the barrel after firing a cartridge

It is possible that a projectile has become lodged in the barrel!

If you continue firing further shots into the blocked barrel, you will not only damage your firearm, but you can also injure yourself, and third party persons.

Under the following circumstances, it cannot be excluded that a projectile becomes lodged in the barrel:

- If cartridges have not been charged correctly (without a propelling charge or incorrect propelling charge or components).
- If the propelling charge is not ignited, but the percussion cup drives the projectile from the cartridge case into the barrel, but the energy produced is not sufficient for driving the projectile through the entire barrel.
- If the projectile is driven kinetically from the cartridge case into the barrel, e.g. when the projectile is not fixed in the cartridge case - , and if such a cartridge is removed from the chamber without being fired, the projectile becomes lodged in the barrel and consequently is driven even deeper into the barrel when the chamber is loaded with a new cartridge.

If there is reason to believe that a projectile blocks the barrel, unload the firearm. Remove the bolt in order to look into the barrel from the chamber. It is not enough to look only into the chamber, as a projectile can be lodged in the barrel so deep that it is not visible immediately.



Attention!

If a projectile should block the barrel under no circumstances, try to shoot this projectile out by using a second cartridge. Do not try to drive this projectile out by using a practice cartridge, blank cartridge or a cartridge from which the projectile has been removed. Such procedure causes a dangerous overpressure, which can damage your firearm and result in serious injuries or death of the shooter or third party persons.

If the projectile can be removed with a cleaning patch, the barrel as well as the breech must be checked for any signs of change and the powder residues removed before shooting is continued.

If the projectile, however, cannot be removed by gently knocking with a cleaning rod and patch, your firearm must be sent in to a Unique Alpine ® service agent for a safety check. Dirt, corrosion or other foreign matters on the cartridge can make the complete loading into the chamber more difficult, causing the chamber to burst when firing. This is also true for damaged or bent cartridges.

Do not lubricate the cartridges. Remove any oil and preservatives from the chamber before shooting! Oil impairs the safe function of your firearm, as the friction between the cartridge case and the wall of the chamber, which is necessary for safe operation would be minimized or missing; minimized or missing friction impairs the quality and precision of your firearm in a similar way as overpressure.

When cleaning your firearm, ensure that excess oil is not used, particularly where it could come into contact with the ammunition. This can penetrate into the cartridges, which will destroy the propellant and cause misfire. There is a danger that the projectile of the cartridge will become lodged in the barrel!

Safety mechanism

Your rifle is equipped with a safety mechanism.

You must, however, under no circumstances, rely fully on a safety device! The safety mechanism cannot replace careful and correct handling of a firearm



However efficient a safety mechanism may be, you should never fully rely on it, as it can, like any mechanical component, fail to function, be damaged or be badly impaired in its function by wear and tear, misuse, dirt, corrosion or mending, incorrect assembly and improper adjustment.

No safety mechanism is effective against incorrect action, stupidity and carelessness! Likewise, there is no really “child-proof” safety mechanism!

The best and most effective safety mechanism is always, well-trained competent handling of your firearm in conjunction with the safety mechanism.

Always handle your rifle as if the safety device did not work!

Always observe the following rules:

- When handling your rifle, never aim at parts of your body or at other persons!
- Never carry your rifle with a cartridge in the chamber
- Never carry your rifle when it is cocked.
- When handling your rifle, e.g. the breech or the safety mechanism, never put your finger on the trigger. Always hold the muzzle in a safe direction, even if you do not intend to fire the rifle.

Loading

Filling your magazine and loading your rifle should always happen with the greatest deal of care, observe all safety aspects in order not to endanger yourself and third party persons.

Before filling the magazine, you should always wipe off any oil and grease from the cartridges.

When filling the magazine, always ensure that the cartridges are adequate for the calibre of your rifle.

Before introducing the magazine into the magazine adaptor of your rifle, you must wipe any unnecessary oil and grease off the barrel lands as well as from the chamber.

Before introducing the magazine, check if there are any foreign matter in the barrel or lands and if so, remove them. Any foreign matters as well as oil and grease can bulge or disrupt the barrel. Foreign matters, oil and grease can damage your rifle in other ways, or you, the shooter as well as third party persons can be seriously injured or killed.



Never load or unload your rifle in a vehicle, public means of transport, in a building, any other closed room (except in rooms or rifle ranges that were built or made available extra for loading and unloading) or rooms, where persons could be endangered.

While the magazine is in your rifle, the muzzle of the barrel must be held into a safe direction.

While you are locating the magazine into your rifle, never put your finger on the trigger.

Loading the cartridge chamber with a cartridge must be possible without a great deal of effort, never use any force to locate a cartridge into the chamber.

The loaded rifle is automatically cocked and not safe!

Put your rifle on safety immediately!

Loaded firearms hold enormous dangers, so never leave your loaded rifle unattended. Never pass your loaded rifle on to third party persons, hold the rifle in a safe direction, unload your rifle and open the breech before passing the rifle on to third party persons. Never transport your rifle when loaded!



Shooting

Your rifle is a high precision long range tactical firearm, depending on the calibre used, on the weight of the projectile and the propellant. The theoretical danger zone of 5,000 metres minimum has to be taken into consideration before firing a shot; a projectile cannot be returned or diverted once it has been shot!



After loading, the barrel must point into a safe direction! Do not put your finger on the trigger!

Always shoot with your arms resting on a solid base, never use movable or flexible bases that can collapse under the weight. Use the original bipod or a sand sack exclusively.

Do not shoot in standing position or sitting position, your firearm is heavy, it weighs more than 6 kg, this can result in irreparable damage to your vertebra disc or your vertebra column.

Never leave your rifle unattended once it is ready to fire.

Do not carry around a loaded firearm that is ready to fire.

The recoil forces created by firing the firearm can cause damage to your vertebral column; do not, under any circumstances, fire your gun if any damage to your vertebral column is known. If you are not sure whether there is any damage to your vertebral column or any other medical problem that can aggravate your medical problem in any way when firing a firearm, then contact a doctor to ask him/her if you can fire a firearm without risk of injury.

If you use a rifle scope or other optical or electronic aiming device on your rifle, you have to consider the correct distance to your eyes! If the distance between your eyes and an aiming device mounted on your gun is too short, this holds an enormous risk of injuries! Never mount aiming devices on your gun yourself, always have this done by professional ordnance staff or an expert gun maker.

Do not fire your rifle when you or a third party person, have your / their hand on the breech. As in the event of a blow-back, propellants can escape at great speed through the gas shrouds and vents.

When firing your firearm, hold it tight, as the created recoil forces can snatch the gun away from you, and the firearm can injure you or others.

Never allow others to stand next to the firearm, as they can be hit by ejected cases or splinters in the case of an accident. Cases ejected during the repeating action can injure the shooter or third party persons. Ejected cases are hot, they can burn you and cause cuts and injuries to your eyes.

Cases can ricochet off walls and other areas hitting you and others

Stop shooting immediately under the following circumstances:

- If your rifle has a mechanical defect while you are shooting or if the breech cannot be opened.
- If power gases escape from the gas shrouds and vents in the breech.
- If the percussion cap is perforated or broken.
- If the cartridge case shows abnormal distortion.
- If the report does not sound as usual (louder or quieter)
- If the recoil feels different from usual

Do not continue firing! Do not try another shot!

Send your rifle, together with cartridges which have been fired and those which have not been fired, to the nearest Unique Alpine ® service agent for inspection.

In the case of a misfire, wait for about 60 seconds before you expel the cartridge by repeating. Please ensure that the barrel points into a safe direction.

If a cartridge pops out of the magazine during the repeating action, or if another loading failure occurs, take the magazine out of the gun, hold the barrel into a safe direction and try to shake the cartridge out of the breech.

Removal of Cartridges

Unload your rifle only in surroundings provided for unloading (position at the rifle range).

Do not put your finger on the trigger or at the muzzle.

Remove the magazine from the rifle, open the breech immediately and eject the remaining cartridge from the chamber. Repeat the action with the magazine removed, even if you are sure there is no cartridge in the chamber.

Under all circumstances, consider your rifle to be loaded until you are convinced of the opposite with the help of visual and manual check.

Convince yourself if your rifle is unloaded before you leave the rifle range.

Transport and storing

For your own safety and the safety of third party persons, transport your rifle only when unloaded!

When transporting your rifle, observe all regional laws and regulations referring to the transport of firearms.

As a principle, always store your rifle separated from the ammunition.

Always lock your firearm away. It must be out of reach for children as well as inexperienced or unauthorized persons.

Always be informed about regional laws and regulations regarding the storage of arms and observe them.

Maintenance

Your rifle, as with all modern, technically sophisticated products, needs regular maintenance / adjustment. For this reason, have your rifle inspected regularly by an authorized Unique Alpine ® service agent. Follow the instructions of the service and maintenance brochure which is enclosed to your rifle.



An inspection, however, will not replace maintenance work, which has to be carried out immediately in case of defects, mechanical malfunctions and safety problems arising unexpectedly! In case of a mechanical malfunction, stop shooting immediately, unload the gun and have it checked by an authorized Unique Alpine ® service agent.

Never try to repair your rifle yourself! This can cause dangerous conditions resulting in serious physical injuries to you or of third party persons and damage of property!

Regular maintenance has a decisive influence on the retaining of your rifles value and ensures that your rifle is ready for use at any time.

Care and cleaning

In order to ensure the safe function of your rifle, it is indispensable to clean and take care of your rifle!

Your firearm was packed in an original box in the production plant and preserved with a thin, protective oil and grease film. Before the first firing, the rifle must be cleaned, the protective oil or grease must be removed before the firearm is greased or lubricated anew.

Before you dismantle your rifle in order to clean it, you must check once more if it is unloaded. Use only lubricants and cleaners approved of by Unique Alpine. The use of lubricants and cleaners not permitted by Unique Alpine ® AG can result in malfunctions and in loss of the guarantee. After each cleaning action, check if any cleaning rags or other foreign matters have been left in the barrel or in the chamber.

Spare parts and additional parts

Only original spare parts are to be added to the rifle! The original spare parts must either be exchanged at a Unique Alpine ® AG service point or at a registered firearms dealer.

Non-original spare parts or any other manufactured parts do not comply with the Unique Alpine ® AG quality standard and are not inspected to this standard. Non-original spare parts or any other manufactured parts are under no circumstances to be used or added to the rifle.

Non-original spare parts or any other manufactured parts hold an enormous safety risk which is beyond our sphere of influence and control. This enormous risk for your health and third party persons' health, can cause serious injuries or even death.



Attention! In case of an unauthorized adjustment to your rifle or the replacement of parts, your guarantee becomes invalid.

The Unique Alpine ® AG cannot be made liable in any way for the correct and safe function of a rifle that has been altered in any way.

Additional parts are only allowed to be used if these have been inspected by the Unique Alpine ® AG and if they do not impair the safety of the rifle!

The Unique Alpine ® AG cannot be made liable for additional parts in any way!



Do not use this rifle under any circumstances:

If you are not in full possession of your mental faculties.

If you are under the influence of alcohol, medicine or drugs.

If you suffer from body malfunctions.

If you do not feel physically and mentally stable.

If you are mentally unstable or suffer from intense changes of, depression, states of panic or stress.

If you suffer from delusions or hallucinations.

If you are to carry out a criminal act.



DESCRIPTION OF SYSTEM

In the following chapter, you will obtain information on your rifle and the component parts, the function and position. For safe operation of the rifle, it is important for you to be informed about the position of the individual components and the function. You have to be able to operate the firearm without any problems even in a stressful situation.

General description of the rifle

The high precision Unique Alpine ® TPG 1 firearm is offered as a single loader or a magazine rifle. The Unique Alpine ® TPG 1 was developed in order to meet and even exceed the newly defined demands made on tactical high precision firearms of the latest generation

During the development, particular attention was paid to a highly modular, integrated firearm system, which will allow adjustment to fit the personal anatomy of the shooter using the system. The modularity of the Unique Alpine ® TPG 1 also enables the shooter to configure the system to the specific requirement of any situation in a minimum of time.

A further advantage of the modular system of the Unique Alpine ® TPG1 is the provision to interchange parts and elements quickly. This is reflected in reduced expenditure in service and maintenance due to the minimised work effort compared to traditional guns, which results in low operating costs.

The selected high-quality materials used guarantee a long life with no forfeiture in precision and quality.

Features

Heavy, free-floating high precision barrel, fluted

- stabilized barrel oscillation level
- optimized functions of warm-up shooting
- quick interchange of barrels for greater flexibility (change of calibre)
- locates into the system body with a 50 mm bushing for maximum accuracy and safety

Large Bolt made of high-grade heat-treated steel

- Three locking lugs, with a practical aperture angle of 60°
- 4 integrated gas shrouds and vents for maximum protection in the event of a blowback
- close fitting for highest accuracy

Extra secure safety mechanism

- stable safety, draws back, lifts up and blocks the firing pin for maximum security
- an additional trigger safety can be fitted (optional)

System (breech block) made from "F 55" aluminium billet

- Special high-grade aluminium alloy with an ultimate tensile strength of more than 550 Newton per mm.
 - low sight line to the barrel bore, for minimal "offset" error
 - precision barrel clamping mechanism for best performance in accuracy
- Mounting rail provides a simple and precise means to mount target sighting devices

Match trigger

- adjustable from 500 g to 1000 g
- direct trigger
- two stage trigger (optional)

Precision chassis mounting system

- defined plane location surface, prevents any distorting forces
- system oscillation damping element made of synthetic polymer, allows constant connection between chassis and system body and reduces vibration when firing
- system fastening bolts with compression spring package, will guarantee a homogenous and constant interconnection of system housing and aluminium chassis due to the equal level of tension.

Full – length aluminium chassis construction

- Unaffected by climatic situations
- High-grade aluminium alloy as per the system housing, provides the same coefficient of expansion avoiding distortion allowing for superior consistent performance

Moulded finger plates

- secure and comfortable grip under all conditions
- Made of synthetic with a very high respiration capability for greater comfort, including an anti slip surface.
- resistant to oil and cleaners

Detachable multi adjustable thumbhole stock

- anatomically perfected pistol grip and thumbhole with the Crosstech design anti slip surface, provides a secure grip
- fully adjustable cheek piece, butt plate and palm plate for the best adoption by the shooter reducing fatigue in use
- cheek piece and butt plate adjustable mechanism with index and click stop, provides quick and repetitive accuracy
- made of synthetic with a high respiration capability for greater comfort, including an anti slip surface
- integrated adjustable ground spike, provides precision adjustments.

Faster and easier service and maintenance

- The highly modular design and the interchangeable component parts reduces the initial cost to the owner and the total overall operating costs to a low level
- no specific training required for standard maintenance
- simple cleaning due to the consistent use of non-corroding materials
- integrated locking adapters, the industrial standard BLOCKING POINTS% for the stabilizer 3000 A1%, provides fast, defined testing of the weapon system and the ammunition on the stabilizer 3000 A1 shooting rest

View from the left



View from the right



Structural elements of the TPG 1



Picture 4 Structural elements TPG 1

1. Barrel
2. System housing (breech block)
3. Bolt
4. Aluminium chassis
5. Hand guard
6. Magazine
7. Stock
8. Cheek piece unit
9. Butt plate unit
10. Trigger unit

Important note for handling the rifle

Observe the instruction for handling the rifle. Flawless operation of the rifle system, is the base for maximum safety, smooth and accurate functioning.



Assembly

Lauf

- Release clamp screws of the barrel (SW4) by turning them anticlockwise (see picture)



- Open the system by clockwise turning the forcing screw on the opposite side (see picture)
- Locate barrel from the front, with the bolt locking block into the system housing (see picture)



- Release the forcing screw by turning it anticlockwise
- Tighten clamp screws of the barrel by turning them clockwise to a torque of 7.5 Nm (Maximum)

Bolt

- If the bolt is not cocked, cock it by turning the safety housing clockwise until it catches.



- The bolt is now carefully located concentrically into the system body from behind. Attention: Do not use any force!
- Check the function of the bolt and bolt locking block to the barrel by a single repeating action.

Stock

- Release clamp screw of the stock (SW4) by turning it anticlockwise (see picture)



- Locate the stock into the chassis dove-tail from behind.
- Tighten clamp screw of the stock by turning it clockwise with a torque of 5 Nm.

Disassembly

Attention: Before taking the rifle apart, it must be unloaded and the magazine must be removed!

Bolt

- Unlock breech by turning the bolt-handle into the upper position.
- Put the safety lock on by pressing down the safety lever (see picture) (Unwanted cocking of the lock is prevented this way).



- Remove stock and push bolt catch and keep it down (see picture), at the same time pull the bolt towards the rear.



Barrel

- Release clamp screws of the barrel (SW 4) by turning them anticlockwise (see picture).



- Remove from system with the opposite press-off screw (SW 3) by turning it clockwise (see picture).



- Withdraw barrel toward the front

Stock

- Release clamp screw of the stock (SW 4) by turning it anticlockwise (see picture)



- Pull the stock from the chassis, rearwards

Safety

The safety system of the Unique Alpine , model TPG 1 is a direct firing-pin safety with an additional drop lever safety.

Operating the safety system, the firing pin is drawn back, thus having no more contact with the trigger.

Safety Lever

- Push safety lever into lower position with downward pressure (see picture)



Attention! The rifle safety can be applied cocked and when the bolt is unlocked or withdrawn from the system. The safety cannot be applied with the firing pin forward after a discharged round.

Releasing the safety

- Put safety lever into upper position by pushing upward,



Attention: A red point is now visible from the rear of the safety of the rifle. Applies to certain countries only.



Magazine

The magazine of the Unique Alpine TPG 1 is a single-row magazine with a capacity of five cartridges..

Filling

- Hold the cartridge at the bullet neck and push on to the follower close to the magazine lips
- Push cartridge downwards and slide toward the back of the magazine

Inserting

- Insert the magazine into the magazine adaptor, push upward till it latches.
- Check for full latching.

If the magazine is to be inserted silently, the magazine catch lever must be pressed during the operation.

Removal

- Press magazine catch lever and pull magazine downwards

Emptying

- Push out rounds toward the front of magazine.



Loading

Loading of the rifle

- Unlock bolt by turning the bolt-handle into the upper position
- Apply bolt safety by pushing the safety lever downwards
- Pull the bolt-handle towards the rear, up to the stop
- Insert full magazine
- Push bolt forward at a brisk speed, one cartridge is introduced into the chamber of the barrel
- Lock bolt by turning into the lower position.
- Now the rifle is loaded, cocked and safe!



Shooting and Repeating

Shooting

- Target acquisition
- Release the safety of your rifle
- Aim at target and fire in a safe manner.

Repeating without safety applied

- Unlock breech by turning the bolt-handle into the upper position.
- Pull the bolt-handle towards the rear fully up to the stop the empty cartridge case is ejected.
- Move bolt forward at a brisk speed, the chamber of the barrel is supplied with another cartridge from the magazine.
- Lock the bolt by turning into the lower position, the rifle is loaded and cocked. The safety is not applied

If another round is not necessary, apply the safety.

Unloading

- Put the loaded and cocked rifle on safety
- Unlock the breech by turning the bolt-handle into the upper position.
- Pull the bolt-handle towards the rear up to the stop, the empty cartridge is ejected.
- Press the magazine lever and pull the magazine downwards.
- Check if chamber is clear.

Disassembly

Attention: Before disassembly of the rifle, it must be unloaded and the magazine must be removed!

Bolt

- Unlock breech by turning the bolt-handle into upper position.
- Apply safety by pushing the safety lever downwards (see picture). (An unwanted cocking of the lock is prevented)
- Press bolt catch and keep it pressed (see picture), at the same time pull the bolt toward the rear



Disassembling the bolt

- Apply safety by pushing the safety lever downwards (An unwanted cocking of the lock is prevented).
- Unscrew safety out of the bolt by turning it anticlockwise and remove towards the rear.

Further disassembly can only be carried out by professional staff.

Barrel

- Release clamp screws of the barrel (SW4) by turning them anticlockwise.



- Open system with the opposite system screw (SW3) by turning it clockwise.
- Draw out barrel towards the front

Muzzle brake (optional)

- Release hexagon socket screws (SW4) on the top side of the muzzle brake anticlockwise, screw them out and remove them
- Pull muzzle brake off the barrel.

Stock

- Release clamp screw of the stock (SW4) by turning it anticlockwise (see picture)



- Pull stock off the chassis towards the back

Detachable cheek pad

- Release screws of the detachable cheek pad (SW4) by turning them anticlockwise and remove detachable cheek pad



Cheek piece

- Release clamp screws of the cheek piece on the right side of the rifle by turning them anticlockwise (see picture)



- Turn screw for vertical adjustment of the cheek piece upwards (see picture), when at maximum height pull cheek piece upwards to remove.



System housing

- Release system screws (SW4) on the under side of the chassis (see picture) and remove them.
- Draw upwards the system housing.



Synthetic spacer

- Remove the synthetic spacer from the chassis.

Magazine box

- Withdraw magazine adaptor (upwards) from the chassis.

Attention, any further disassembly can only be carried out by professional staff.

Assembly

- Assembly is carried out in the reverse order.

Torques of screws

In order to guarantee a perfect function of the screws, the following starting torques must be observed.

System screws (SW4)	5.0 Nm
Clamp screws of the barrel (SW4)	7.5 Nm
Clamp screw of the gunstock (SW4)	5.0 Nm
Screw for the muzzle brake (SW4)	10.0 Nm

Exchange of barrel and calibre

- Unlock breech by turning the bolt-handle into the upper position.
- Apply safety by pushing the safety lever downwards (see picture). (An unwanted cocking of the lock is prevented).



- Press the catch of the bolt and keep it pressed (see picture), at the same time withdraw the bolt towards the rear



- Release clamp screws of the barrel (SW4) by turning them anticlockwise (see picture).



- Open the system with the opposite system screw (SW3) by turning it clockwise (see picture).



- withdraw barrel towards the front

Additionally, when changing to another calibre (Minor / Magnum) or applying Single shot adaptor.

- Release system screws (SW4) on the under side of the chassis (see picture) and remove them.



- Draw upwards the system housing.
- Remove the synthetic spacer from the chassis.
- Remove magazine adaptor and replace with corresponding adaptor to the calibre of the new barrel.
- Insert synthetic spacer
- replace system housing and screw it down (to the correct torque)
- Insert barrel into the System housing from the front, with the bolt locking block up to the stop (see picture).



- Release the opening screw by turning it anticlockwise.
- Tighten clamp screws of the barrel by turning them clockwise with a torque of 7.5.Nm.

Entsprechend den Kaliber-Verschluss einsetzen.

Adjustment of trigger

Please follow the instructions of use for the trigger unit built into your rifle, which have been enclosed separately.

Adjustment of the butt plate

In order to adapt the rifle to the individual anatomical needs of the shooter, this system provides you with comprehensive, integrated ways of adjustment.



Lengthwise adjustment

- Release hexagon socket screws on the side anticlockwise.
- Screw out for lengthwise adjustment of butt plate.
- To reduce screw in the adjustment

Vertical adjustment

- Release central screw (SW4).
- Locate butt plate to the intended height.
- Tighten central screw (SW4).

Lateral adjustment

- Move vertical adjustment into 0-position
- Release exterior screws
- Direct butt plate into the intended position with the aid of the angle scale
- Tighten exterior screws

Tilting

- Release central screw and remove it.
- Take off butt plate
- Base of butt plate can be adjusted by inserting the peg into the angular position of 7° (lower holes) and 15° (upper holes)
- Mount butt plate
- Put in central screw and tighten it

Adjustment of the cheek piece

For adjustment of the rifle to the individual anatomical requirement of the shooter, the system provides you with comprehensive, integrated ways of adjustment..

Vertical adjustment

- Release clamp screws of cheek piece on the right side of the rifle by turning them anticlockwise (see picture)
- Turn screw for vertical adjustment of the cheek piece (see picture), move cheek pieces into the correct position.
- Tighten clamp screws of cheek pieces on the right side of the rifle by turning them clockwise (see picture).

Detachable cheek pad

- In order to meet the anatomical requirements of the shooter, it may be necessary to remove the detachable round cheek pad on the cheek piece angle plate.
- Release screws for detachable cheek pad (SW4) by turning them anticlockwise and remove detachable cheek pad.



Adjustment of the palm support

The palm support can be loosened and twisted by opening the two hexagon socket screws.



Important instructions for the care and maintenance of the rifle

Observe the following instructions to ensure that the rifle system will remain in good condition thus providing good performance.

Exterior metal surfaces

- Wipe all exterior metal surfaces with an oil-finished cloth after use.
- Do not use any solvents or other caustic liquids for external cleaning.

Plastic surfaces

- Remove dirt with suds
- Apply silicone oil or rifle oil on the surface
- For cleaning the surface, do not use acetone or other solvents containing CFC.
- These can cause damage to your health

Barrel

- Clean barrel and chamber after shooting with a rifle oil.
- Use a cleaning patch and brushes only in accordance with the calibre.
- Clean barrel as required, depending on number of shots, projectiles used and propellant powder, using barrel solvents.
- After cleaning the barrel with a barrel solvent, apply a thin oil film on the barrel.

As a principle, clean barrel only from behind, i.e. from the chamber towards the muzzle. Use only bronze-brushes, but never steel.

Attention! Before shooting, a visual check is indispensable in order to see if there are any items left in the barrel. The barrel must be wiped dry, i.e. all oil deposits must be removed.

Muzzle Brake (option)

- Clean muzzle brake after shooting with solvent and lubricate it lightly afterwards.
- Attention! Before shooting, check muzzle brake is secure. Ensure that there is no foreign matter in the muzzle brake.

Bolt

Wipe bolt after use with an oil-finished cloth and clean it.

System housing

- If required, clean trigger with alcohol and lubricate it afterwards.
- Apply special grease on the trigger lever.

Trigger

- If required, clean trigger with alcohol and lubricate it afterwards.
- Apply special grease on the trigger lever.

Magazine

- If required, clean magazine with alcohol and lubricate it.

Any further care and maintenance work must be carried out by experienced staff.



Technical Data:

Calibre	Barrel	Twist rate	Fluted	Lands	Magazine	Muzzlebrake	Mag. Capa.	Overall L.	Weigh
.223 Rem.	650mm	9"	standard	6	no			1230mm	from 6,2 kg
.243 Win.	650mm	10"	standard	6	optional		5	1230mm	from 6,2 kg
7-08 Fr.	650mm	9"	standard	6	optional	optional	5	1230mm	from 6,2 kg
.308 Win.	650mm	12"	standard	6	optional	optional	5	1230mm	from 6,2 kg
.308 Win.sound absorb.	450mm	10"		6	optional		5	1420mm	from 6,3 kg
6,5x55 Swed.	650mm	8"	standard	6	optional	optional	5	1230mm	from 6,2 kg
.300 Win Mag.	650mm	10"	standard	6	optional	optional	5	1230mm	from 6,2 kg
.300 Win Ultra M	650mm	10"	standard	6	optional	optional	5	1230mm	from 6,2 kg
.338 Lapua Mag.	700mm	10"	standard	6	optional	standard	5	1300mm	from 6,5 kg
Benchrest									
.22 PPC	650mm	14"	standard	6	no			1230mm	from 6,2 kg
6mm Br Norma	650mm	8"	standard	6	no			1230mm	from 6,2 kg

List of approved oil and grease

Rifle oil: Neoval, Tetra Gun L, Break Free
 Barrel cleaner: Tetra Gun, Coppersolvent
 Grease: Tetra Gun Grease
 Separating agents: Liquid Moly ceramic paste copper paste
 Degreaser: Tetra Gun Action Blaster