

EN

# SP5K Pistol

## 9 mm x 19 Calibre



## Operator's Manual



# SP5K Pistol

## 9 mm x 19 Calibre

### **DANGER**

**Risk of death from gunshot wounds!**

**Accidental discharge of weapon may occur when loaded weapon is handled.**

- › Do not use the weapon until you have read and understood this manual completely.
- › Follow the safety instructions when handling the weapon.
- › Carry out a safety check before working on the weapon.





## Functional elements - left side view



The illustrations on the pages with Roman numerals I and II show the functional elements of the weapon from the left and right sides. Opening these pages simplifies comprehension when reading.



Fig. I: SP5K, left side view

- |   |                        |    |                           |
|---|------------------------|----|---------------------------|
| 1 | Front sight            | 8  | Trigger                   |
| 2 | Charging handle        | 9  | Trigger guard             |
| 3 | Receiver               | 10 | Handguard                 |
| 4 | Picatinny rail         | 11 | Locking pin for handguard |
| 5 | Rear sight             | 12 | Magazine lips             |
| 6 | Eye for carrying sling | 13 | Follower                  |
| 7 | Pistol grip            |    |                           |

## Functional elements - right side view



The illustrations on the pages with Roman numerals I and II show the functional elements of the weapon from the left and right sides. Opening these pages simplifies comprehension when reading.



Fig. II: SP5K, right side view

- |   |                                 |    |                |
|---|---------------------------------|----|----------------|
| 1 | Locking pin for back plate (2x) | 7  | Magazine well  |
| 2 | Back plate                      | 8  | Magazine       |
| 3 | Safety lever, ambidextrous      | 9  | Ejection port  |
| 4 | Mounting points                 | 10 | Magazine catch |
| 5 | Thumb rest                      | 11 | Snap hook      |
| 6 | Finger protector                | 12 | Carrying sling |



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**Part I**

**Description**



# **1 Using this manual**

## **1.1 Purpose of this manual**

The first part of this manual (“Description”) describes the design and function of the weapon, and the second part (“Handling”) describes the handling of the weapon.

## **1.2 Target audience for this manual**

This manual is intended for persons who are authorised to use this weapon. This manual does not assume extensive technical or weapons-specific knowledge.

## **1.3 Safety instructions, notes and information**

To ensure the greatest possible safety during handling, important information and technical notes are specially highlighted.

### 1.3.1 Safety instructions and danger levels

Safety instructions are depicted as follows (example):

**⚠ DANGER**

**Risk of death from gunshot wounds!**






**Accidental discharge of weapon may occur when loaded weapon is handled.**

- › Do not use the weapon until you have read and understood this manual completely.
- › Follow the safety instructions when handling the weapon.
- › Carry out a safety check before working on the weapon.

The following colours and signal words are used in the safety instructions to indicate various danger levels:

Colour / signal word	Meaning
<b>⚠ DANGER</b>	Direct, imminent danger! Non-compliance will lead to death or extremely serious injury.
<b>⚠ WARNING</b>	Possible imminent danger! Non-compliance could lead to death or serious injury.
<b>⚠ CAUTION</b>	Dangerous situation! Non-compliance could lead to minor injuries.
<b>NOTICE</b>	Non-compliance could lead to material damage.

### 1.3.2 Symbols used

Symbol	Meaning
	Supplementary information on the weapon, on practical handling of the weapon or on using this manual.
1.	Call to perform an action in a sequence of actions: Here you have to do something!
	Stand-alone call to perform an action or call to perform an action in a safety instructions: Here you have to do something!
	Cross reference between individual sections: Open to the relevant page and follow the section described there!
•	Bullet point
	Call to perform an action properly implemented. The check was successful.
	Call to perform an action improperly implemented. The check was not successful: Follow the specified call to perform an action!

### 1.3.3 Conventions for illustrations



Details in illustrations and drawings may vary from your weapon, depending on the model.

The information “right”, “left”, “front” and “rear” applies to the position of the weapon as seen in the direction of fire.

Illustrations and their constituent elements are identified as follows:

- Components relevant to the action are highlighted in blue. Where necessary the components are marked with numbers and identified in a legend.
- Motions are indicated by orange-coloured arrows.
- Calls to perform an action are indicated by upper-case letters enclosed in circles.

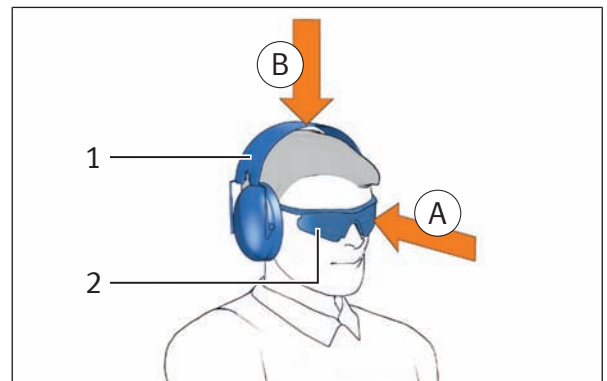


Fig. 1: Example of an illustration

- 1 Hearing protection
- 2 Safety goggles

### 1.3.4 Conventions for cross references



Cross references represent relationships between the text and an illustration or an individual section.

- Cross references between text and illustrations are in *italics* and enclosed in (brackets), e.g. (Fig. 1).
- Cross reference between individual sections are marked with the symbol ► (Fig. 2).

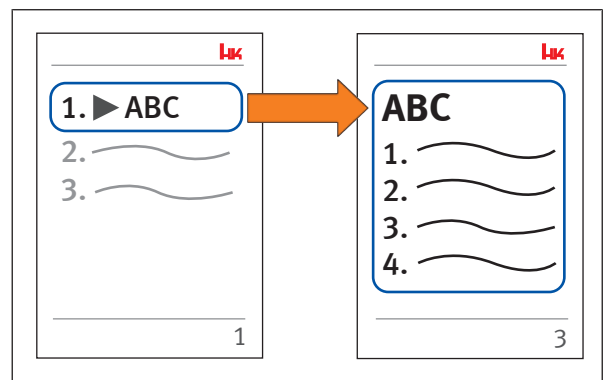


Fig. 2: Example of a cross reference between sections



## 2 Fundamental safety instructions



The weapon has been designed and manufactured according to the latest technical knowledge and the recognised safety rules. Nevertheless, use of the weapon may result in injury or death of the user and third parties, or damage to the weapon and other material property.

- › Follow all of the instructions in this operator's manual. Non-compliance may result in injury or death.
- › Do not handle the weapon if you are tired, feel unwell, or have consumed alcohol, drugs or medicines.
- › Follow the applicable regulations for the handling of weapons.

### 2.1 The operator's manual as an integral component of the safety concept



The operator's manual is an integral component of the weapon.

- › Do not use the weapon until you have read and understood this operator's manual completely.
- › Keep the operator's manual for the entire service life of the weapon.
- › If you receive any supplements or amendments, be sure to add them to the operator's manual.
- › Pass the operator's manual on to any subsequent operator or owner.
- › Do not entrust the weapon to anyone who has not read and understood this operator's manual completely.

### 2.2 Safety instructions for handling the weapon

- › Special care must be taken when handling firearms, because the position and direction of the weapon can be changed very easily.
- › Use the weapon only if it is in perfect technical condition.
- › Until you have performed a safety check, treat the weapon as if there were a round in the chamber and the safety released.
- › Make sure that the weapon is always unloaded when it is handled for purposes other than loading or firing.

- › Use the weapon only for its intended purpose. Do not use the weapon as a club, hammer, pry bar, etc. Using the weapon for other than its intended purpose may result in accidental discharge of weapon or damage to the weapon.
- › Do not play with the weapon.
- › Never point the weapon at people when handling or practising with it.
- › Do not use excessive force when handling, disassembling, cleaning and assembling the weapon.
- › Store weapon and ammunition separately. Be sure to prevent access to the weapon and ammunition by unauthorised persons, especially children.
- › Do not entrust the weapon to anyone who is not entitled to possess the weapon. Observe applicable regulations.
- › Immediately rectify any faults that compromise safety.
- › Use a carrying sling to avoid dropping the weapon to the ground.
- › Exposure to exceptional stresses such as when the weapon is banged or dropped can have a negative effect on safety. After exceptional stresses, have the weapon inspected by the manufacturer or trained firearms personnel.
- › Do not rely on safety features. Safety features are no substitute for careful, correct handling of the weapon.
- › When using accessories and ammunition, follow the instructions provided by their respective manufacturers.
- › Do not touch the trigger when loading, unloading, aiming or handling the weapon in any other way. Always place your trigger finger on the outside of the trigger guard.
- › Avoid dry firing of the hammer. Dry firing of the hammer can lead to premature wear.
- › Never give or take the weapon unless it is unloaded and the bolt group is in open position.

## 2.3 Safety instructions for firing

- › Wear hearing protection when firing.
- › Wear safety goggles when firing.
- › Keep the muzzle area clear when firing.
- › Do not shoot at doors, panes of glass, walls, concrete, stone, or smooth surfaces (including water). A bullet can penetrate these objects or be deflected in an unsafe direction.
- › Pull the trigger only if the weapon is pointing at the target and the area behind the target is not endangered.
- › Use only properly loaded, undamaged cartridges of the correct calibre.
- › Keep your hands out of the path of the bolt group when firing.
- › Only use ammunition which corresponds to the specifications of the C.I.P. or SAAMI standardisation organisations.
- › Do not use +P+ ammunition. Excessive gas pressure cause increased wear and can damage the weapon.

## 2.4 Exclusion of liability and warranty

Heckler & Koch GmbH accepts no liability and provides no warranty for incidents arising from:

- non-compliance with this manual,
- incorrect handling of the weapon,
- negligence,
- improper use,
- use of +P+ ammunition,
- modifications, attachments to or conversion of the weapon without the express written consent of Heckler & Koch GmbH, or
- use of accessories or spare parts from other manufacturers without the express written consent of Heckler & Koch GmbH.

## 3 Description of the weapon

The pistol SP5K (calibre 9 mm x 19) is a recoil-operated pistol with a roller-delayed blow-back locking system. The magazine is available in three sizes, with a capacity of 10, 15 or 30 cartridges.

### 3.1 Designation

Pistol SP5K

### 3.2 Intended use

The pistol SP5K is a firearm for use against targets at a range of up to 50 m.

### 3.3 Illustration



*Fig. 3: Pistol SP5K*

## 3.4 Assembly groups



Fig. 4: Assembly groups

- |   |                                       |   |             |
|---|---------------------------------------|---|-------------|
| 1 | Receiver with barrel and add-on parts | 4 | Pistol grip |
| 2 | Bolt group and recoil spring          | 5 | Magazine    |
| 3 | Back plate                            | 6 | Handguard   |

## 4 Technical description

### 4.1 Safety features

#### 4.1.1 Safety lever



The safety lever can always be clicked to the “Safe” position.

The safety lever prevents accidental actuation of the trigger. In the “Safe” position the safety roller blocks the trigger. Only when the safety lever is clicked to the “Single fire” position will the safety roller release the trigger.

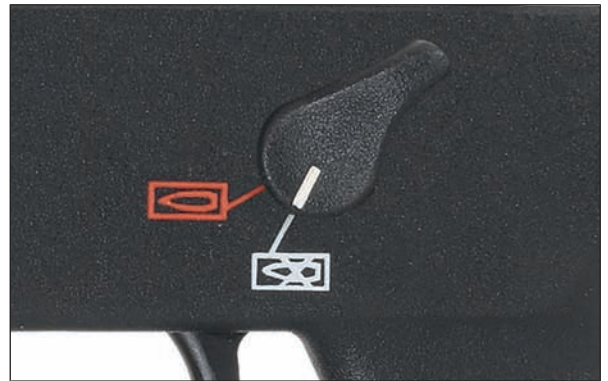


Fig. 5: “Safe” position

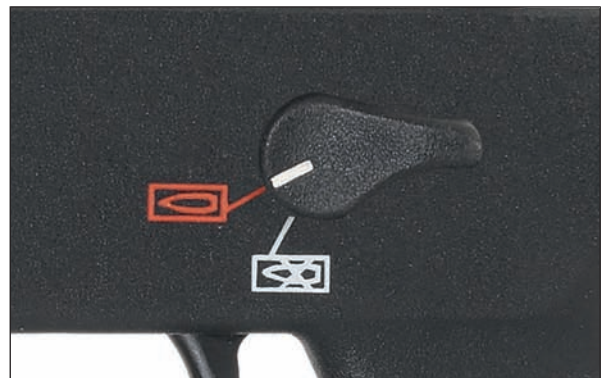


Fig. 6: “Single fire” position

#### 4.1.2 Finger protector

The finger protector makes it more difficult for the shooter to reach in front of the muzzle.

## 4.2 Functional elements

The ambidextrous safety lever can be used to make the weapon safe and to select the mode of fire.

The magazine catch allows quick changing of magazines.

The charging handle can be used to open the bolt group in order to load or unload the weapon and to lock the bolt group in the rearward position.

A Picatinny rail can be mounted to the mounting points on the receiver.

The Picatinny rail can be used to attach various optical sights and other accessories.

The handguard with thumb rest and finger protector serves to hold the weapon and makes it more difficult for the shooter to reach in front of the muzzle.

An eye for a carrying sling is located on the back plate.

The carrying sling connects the weapon to the shooter and secures the weapon to prevent it from being lost, falling and striking the ground.

The sights consist of a rectangular rear notch and a hooded front sight.

## 5 Cleaning kit and auxiliary materials

### 5.1 Cleaning kit



The cleaning kit is not included in the standard scope of supply for the weapon. The cleaning kit can be ordered from Heckler & Koch using the Ident.-No. shown.

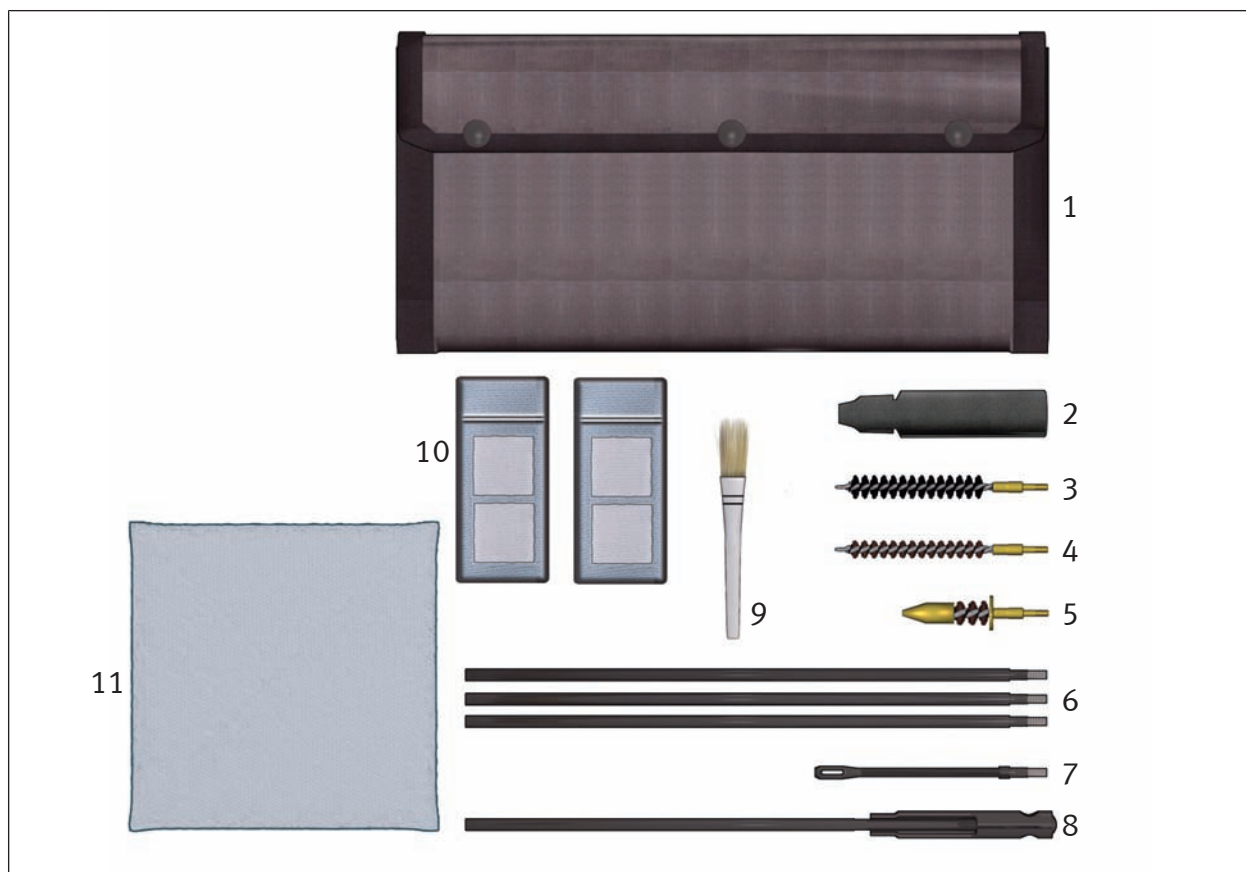


Fig. 7: Cleaning kit (Ident.-No. 976949)

- |                          |                       |
|--------------------------|-----------------------|
| 1 Bag for cleaning kit   | 7 Pull-through holder |
| 2 Oil bottle             | 8 Handle rod          |
| 3 Oil brush              | 9 Cleaning brush      |
| 4 Barrel cleaning brush  | 10 Cleaning cloths    |
| 5 Chamber cleaning brush | 11 Cleaning rag       |
| 6 Extension rod (3x)     |                       |



## 5.2 Auxiliary materials



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Auxiliary materials are available from specialist dealers.

Required auxiliary materials are listed at the beginning of each section.

---

The following auxiliary materials are required in this manual:

- Screwdriver and elevation adjustment tool (Ident.-No. 300009)
- 3 mm Allen key (Ident.-No. 957428)
- 2 - 10 Nm torque wrench (Ident.-No. 967977)
- TX15 torx insert
- Pointed object (e.g. pin punch)
- Grease
- Low-temperature oil (MIL-L-14107), e.g. O-157
- Oil (MIL-L-46000), e.g. S-761 or O-158
- Oil paper
- Pull-throughs



**Part II**

**Handling**



## 6 Checks

### 6.1 Carry out safety check



Successful completion of a safety check verifies that there is no ammunition in the weapon. The safety check is especially important when giving or taking a weapon and when you are unsure whether or not a weapon is loaded.

1. Click safety lever to the “Safe” position.
2. ► Remove magazine.
3. ► Lock charging handle.
4. Look into the chamber (*Fig. 8*). There must not be a cartridge in the chamber. If there is a cartridge in the chamber, then a fault is present. ► Faults: Causes and remedies
5. Move charging handle slowly forwards.



*Fig. 8: Look into the chamber*

## 6.2 Carry out function check



Successful completion of a function check verifies that the weapon is functional. The function check is especially important after assembly of the weapon and after rectification of faults.

### 6.2.1 Check functioning of pistol grip

1. ► Carry out safety check.
2. ► Disassemble weapon.
3. Click safety lever to the “Safe” position.
4. Push the hammer completely to the rear.
5. Pull trigger. The hammer is not released.
6. Click safety lever to the “Single fire” position.

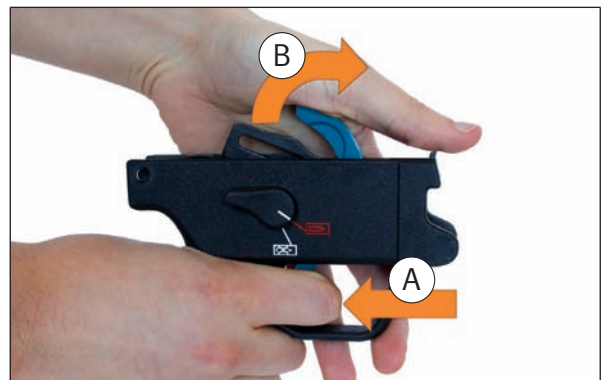
#### CAUTION

**Risk of injury when the hammer snaps forwards!**

**The hammer snaps forwards when the trigger is pressed.**

- › Secure the hammer with your hand.
- › Move the hammer forwards slowly.

7. Pull trigger and guide hammer forwards slowly (*Fig. 9*).
8. Click safety lever to the “Safe” position.



*Fig. 9: Guide hammer forwards*

### 6.2.2 Check free movement of bolt group and function of recoil spring

1. ► Assemble the weapon.
2. Click safety lever to the “Safe” position.
3. Move charging handle all the way back and then forwards several times.
4. Let charging handle snap forwards.
5. Click safety lever to the “Single fire” position.
6. Pull trigger. The hammer is released.
7. Click safety lever to the “Safe” position.

## 7 Preparations

### 7.1 Use the carrying sling



The carrying sling connects the weapon to the shooter and secures the weapon to prevent it from being lost, falling and striking the ground.

#### 7.1.1 Mount carrying sling to the weapon

- › Hook snap-hook into eye for carrying sling (Fig. 10).



Fig. 10: Hook snap-hook

#### 7.1.2 Adjust length of carrying sling

1. ► Mount carrying sling onto weapon.



Observe carrying position of the weapon.

2. Slide buckle forward to shorten the carrying sling.
3. Slide buckle rearward to lengthen the carrying sling.
4. Pull carrying sling taut.



Fig. 11: Weapon carrying position



## 7.2 Adjust rear sight



The rear sight can be adjusted for precise shooting or for rapid target acquisition.

- › For precise shooting, adjust the rear sight to a narrow notch (Fig. 12).
- › For rapid target acquisition, adjust rear sight to a wide notch (Fig. 13).



Fig. 12: Narrow notch



Fig. 13: Wide notch



## 7.3 Adjust rear sight



The position of point of impact also depends on the ammunition. Use of different types of ammunition can change the elevation and windage of the position of point of impact. The sights can be adjusted to correct the changed position of point of impact.

*Required auxiliary materials:*

- *Screwdriver and elevation adjustment tool*

Position of point of impact	Corrective measures	Information
	<ol style="list-style-type: none"> <li>1. Insert elevation adjustment tool into rear sight, while inserting the wedges of the tool into the grooves of the rear sight (<i>Fig. 14</i>).</li> <li>2. Insert screwdriver into elevation adjustment tool, press downwards and hold it (<i>Fig. 15</i>).</li> <li>3. Turn rear sight drum anti-clockwise (<i>Fig. 15</i>).</li> </ol>	Turning by one click changes the point of impact by approx. 7 cm at 25 m range.
	<ol style="list-style-type: none"> <li>1. Insert elevation adjustment tool into rear sight, while inserting the wedges of the tool into the grooves of the rear sight (<i>Fig. 14</i>).</li> <li>2. Insert screwdriver into elevation adjustment tool, press downwards and hold it (<i>Fig. 15</i>).</li> <li>3. Turn rear sight drum clockwise (<i>Fig. 15</i>).</li> </ol>	

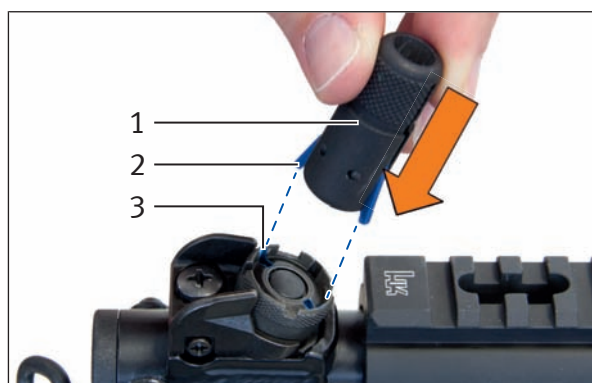


Fig. 14: Insert elevation adjustment tool into rear sight

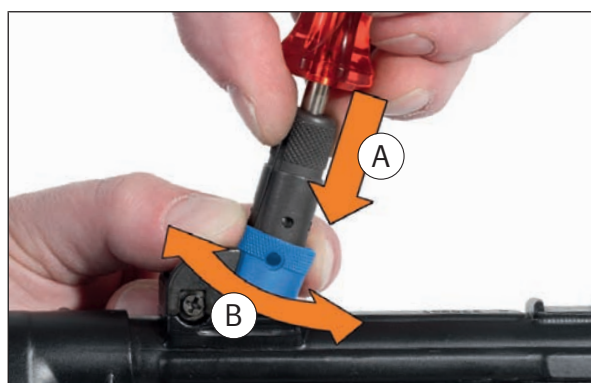




Fig. 15: Adjust rear sight

- 1 Elevation adjustment tool
- 2 Wedge (2x)
- 3 Groove (2x)

Position of point of impact	Corrective measures	Information
	<ol style="list-style-type: none"> <li>1. Loosen screw by turning anti-clockwise with screwdriver (<i>Fig. 16</i>).</li> <li>2. Turn windage adjustment screw clockwise (<i>Fig. 17</i>).</li> <li>3. Tighten screw by turning clockwise with screwdriver.</li> </ol>	Turning by one click changes the point of impact by approx. 5.5 cm at 25 m range.
	<ol style="list-style-type: none"> <li>1. Loosen screw by turning anti-clockwise with screwdriver (<i>Fig. 16</i>).</li> <li>2. Turn windage adjustment screw anti-clockwise (<i>Fig. 17</i>).</li> <li>3. Tighten screw by turning clockwise with screwdriver.</li> </ol>	



*Fig. 16: Loosen screw*



*Fig. 17: Turn windage adjustment screw*

## 7.4 Fill the magazine



Use cartridges with standard projectile shape. Projectile shapes with a short truncated cone or hollow-point shape and atypical ogive may cause feed malfunctions.

### NOTICE

**Risk of material damage due to damaged or fouled cartridges!**

**Damaged or fouled cartridges can damage the weapon and cause malfunctions.**

› Do not use damaged or fouled cartridges.

### NOTICE

**Risk of material damage from an overfilled magazine!**

**An overfilled magazine can lead to malfunctions.**

› Only fill the magazine with the permissible number of cartridges.

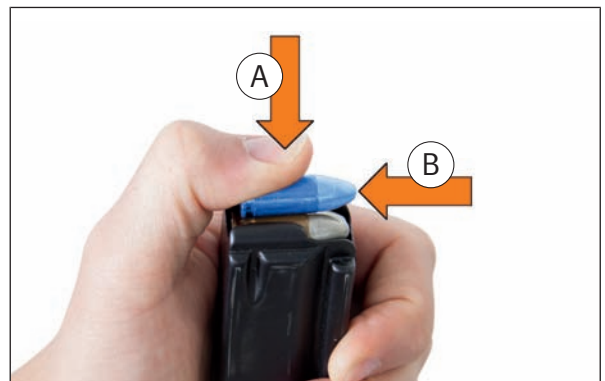
### NOTICE

**Risk of material damage from keeping a magazine filled for long periods!**

**Keeping a magazine filled for long periods can result in damage to the magazine spring and cause malfunctions.**

› Empty the magazine before placing the weapon and magazine in storage.

1. Grasp the magazine.
2. Push cartridge under the magazine lips (*Fig. 18*).
3. Push cartridge to the rear as far as it will go (*Fig. 18*).
4. Repeat steps 2. - 3. until the magazine is full.



*Fig. 18: Fill the magazine*

## 7.5 Prepare weapon for firing

*Required auxiliary materials:*

- *Cleaning kit*
1. ► Disassemble weapon.
  2. Screw handle rod, extension rod(s) and pull-through holder together.
  3. Insert clean cleaning pull-throughs in pull-through holder.

### NOTICE

**Risk of material damage from incorrect cleaning direction!**

**Cleaning the barrel from the muzzle end may damage the muzzle. A damaged muzzle will decrease the weapon's accuracy.**

› Always clean the barrel starting from the chamber end.

4. Pull clean cleaning pull-throughs through barrel several times until barrel is free of oil and foreign bodies.
5. Visually check weapon for damage.
6. ► Assemble the weapon.
7. ► Carry out function check.

## 7.6 Additional preparations in unusual climatic conditions



High air humidity and ambient temperatures between -25 °C and +63 °C do not require any special measures.



In cold conditions, freezing condensation can compromise the functional reliability of the weapon. To prevent the formation of condensation, do not bring the weapon from cold conditions into warm conditions and shortly thereafter again into cold conditions.

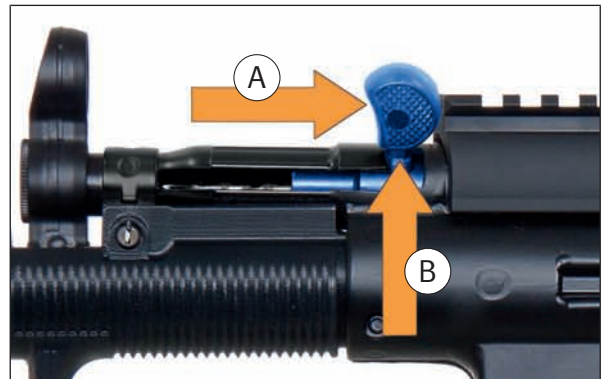
*Required auxiliary materials:*

- *Oil*
  - *Low-temperature oil*
- › If there are high concentrations of dust or temperatures over +63 °C, lubricate the weapon more heavily.
- › At temperatures below -25 °C, lubricate all moving parts with low-temperature oil.

## 8 Operation

### 8.1 Lock charging handle

1. Click safety lever to the “Safe” position.
2. Pull charging handle all the way back and hold it (*Fig. 19*).
3. Lock charging handle upwards in place into recess in receiver (*Fig. 19*). The bolt group is held in rear position.



*Fig. 19: Lock charging handle*

### 8.2 Insert magazine



It is easier to insert the magazine into the weapon when the bolt group is locked in the rearward position.

When inserting the 10-round magazine into the weapon, the bolt group must be locked in the rearward position.

1. ► Fill the magazine.
2. Click safety lever to the “Safe” position.
3. Insert full magazine into the weapon until the magazine catch engages.

### 8.3 Load the weapon

#### **WARNING**

**Risk of injury from accidental discharge of weapon!**

**A loaded weapon is always a potential source of danger.**

- › Load the weapon only immediately before firing.
- › Unload the weapon immediately after firing.

1. ► Insert magazine.
2. Pull charging handle all the way back.
3. Let charging handle snap forwards. The weapon now has a round in the chamber and is set to “Safe”.

## 8.4 Firing position and aiming

### 8.4.1 Firing position



The two-handed grip with carrying sling is the most stable firing position and offers the prospect of the best possible hit results.

When shooting, press the weapon forward against the force of the carrying sling.

- › Use a carrying sling to prevent the weapon from falling and striking the ground.

#### **WARNING**

**Risk of injury from reaching in front of the muzzle!**

**The shooter may reach in front of the muzzle while firing.**

- › Hold weapon by the handguard.
- › Place the thumb on the thumb rest of the handguard.

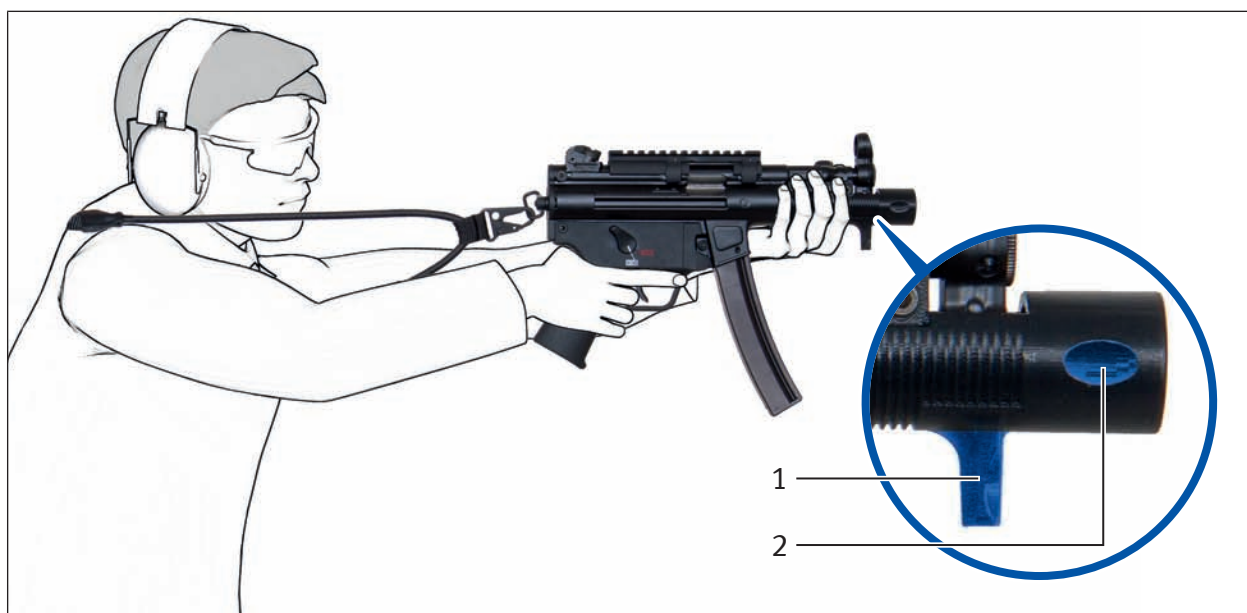
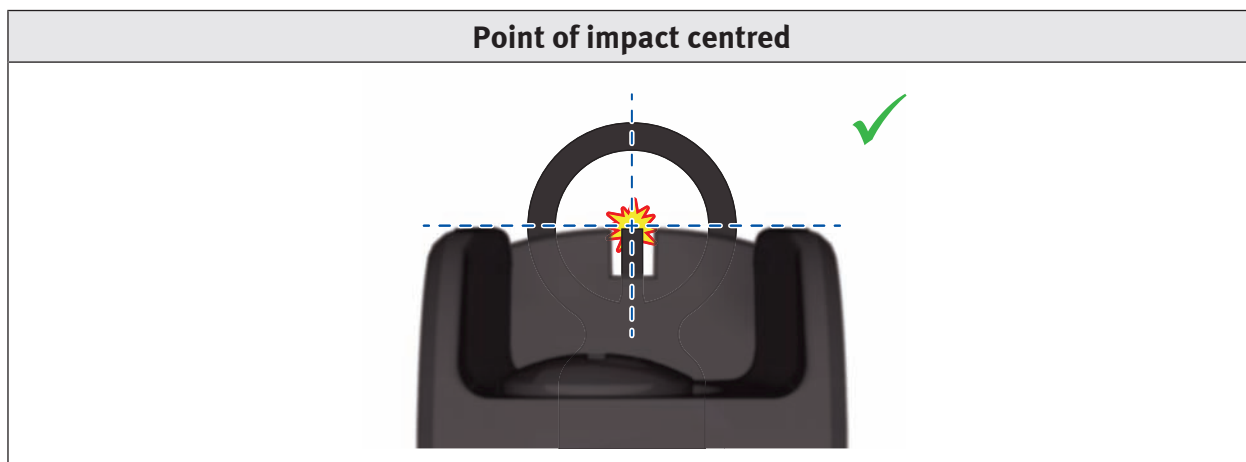


Fig. 20: Firing position

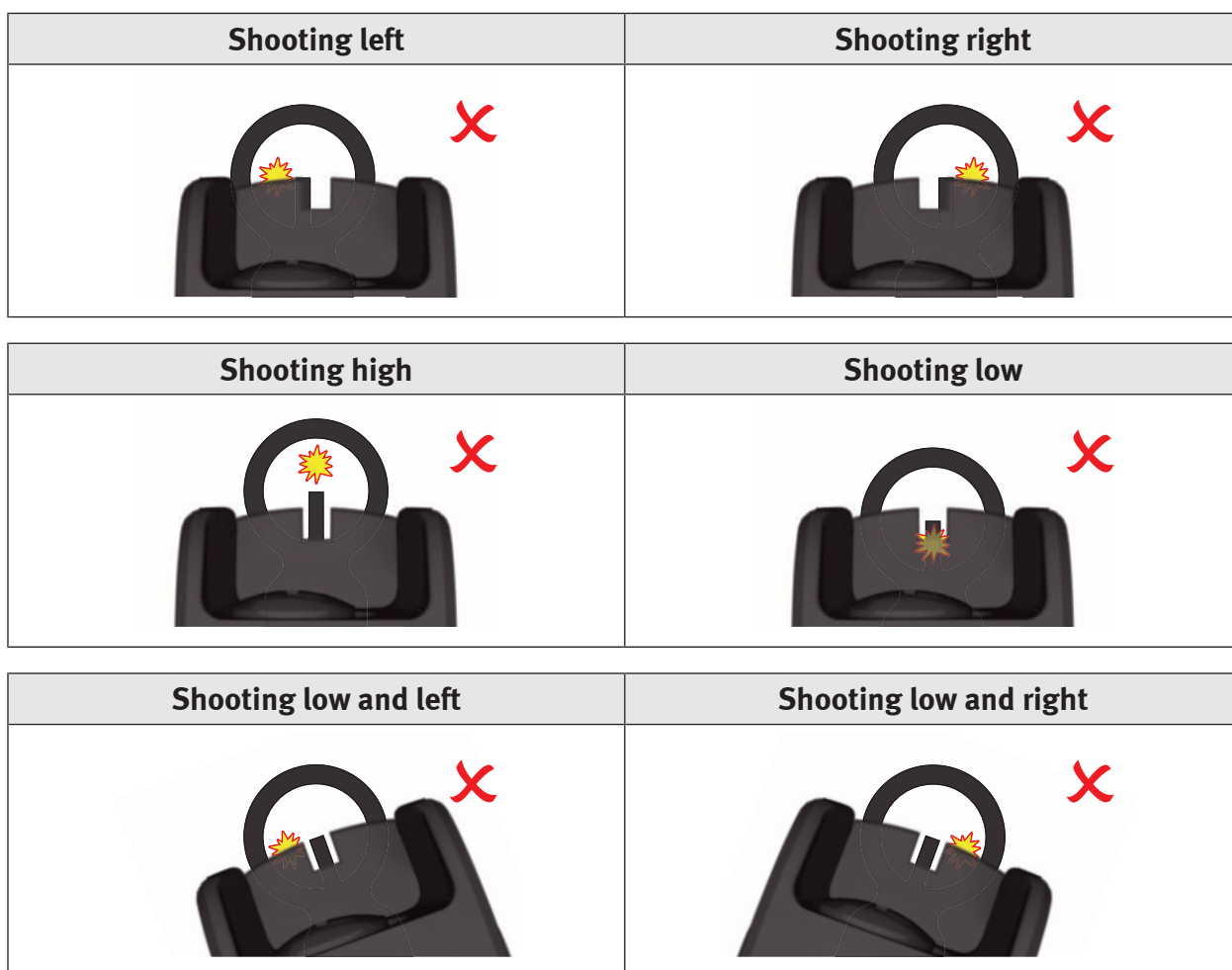
- 1 Finger protector
- 2 Thumb rest, both sides

### 8.4.2 Aiming

- Correct aiming



- Aiming errors





## 8.5 Firing



Follow ► Safety instructions for firing.

1. ► Prepare weapon for firing.
2. ► Load the weapon.
3. ► Aim.
4. Click safety lever to the “Single fire” position.

### **WARNING**

**Risk of injury from recoil!**

**The weapon's recoil can cause serious injury.**

› When shooting, press the weapon forward against the force of the carrying sling.

5. Pull trigger. A cartridge is ignited.
6. After firing, or to reload, click safety lever to the “Safe” position.

## 8.6 Remove magazine

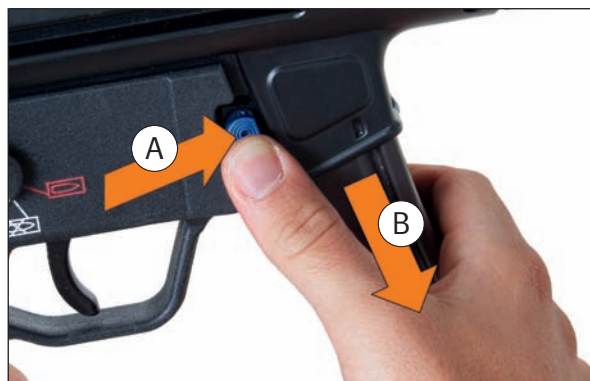
### NOTICE

**Risk of material damage from dropping the magazine!**

**Dropping a magazine can damage the magazine lips and cause malfunctions.**

- › Remove the magazine by hand.
- › Avoid impacts on the magazine lips.

1. Grasp magazine.
2. Press magazine catch (*Fig. 21*).
3. Remove magazine (*Fig. 21*).



*Fig. 21: Remove magazine*

## 8.7 Reload weapon

### ⚠ WARNING

**Risk of injury from accidental discharge of weapon!**

**A loaded weapon is always a potential source of danger.**

- › Load the weapon only immediately before firing.
- › Unload the weapon immediately after firing.

1. ► Remove the magazine.
2. ► Load weapon.

## 8.8 Unload weapon

1. ► Remove magazine.
2. Pull charging handle all the way back and hold it. A cartridge is ejected. If no cartridge is ejected, then a fault is present. ► Faults: Causes and remedies.
3. Look into the chamber. There must not be a cartridge in the chamber.
4. Move bolt group slowly forwards.
5. Click safety lever to the “Single fire” position.
6. Pull trigger. The hammer is released.
7. Click safety lever to the “Safe” position.

## 8.9 Empty the magazine

### **WARNING**

**Risk of injury from igniting the cartridges!**

**Impacts to the primer can ignite the cartridge.**

- › Push the cartridges into your hand when you empty the magazine.
  - › Prevent any impacts to the primer.
  - › Prevent cartridges from falling.
- 
- › Push cartridges forwards out of magazine (*Fig. 22*).



*Fig. 22: Empty the magazine*

## 9 Cleaning

### 9.1 General instructions for cleaning



Regular cleaning and care of the weapon and accessories

- maintain functional reliability,
- increase service life,
- prevent accidents, and
- save repair costs and time.

- › Clean weapon each time it is fired and at intervals of 1000 rounds.

#### **NOTICE**

**Risk of material damage from the use of excessive force!**

**The use of excessive force during cleaning can damage the weapon.**

- › Do not use excessive force when cleaning the weapon.

### 9.2 Disassemble weapon

#### **WARNING**

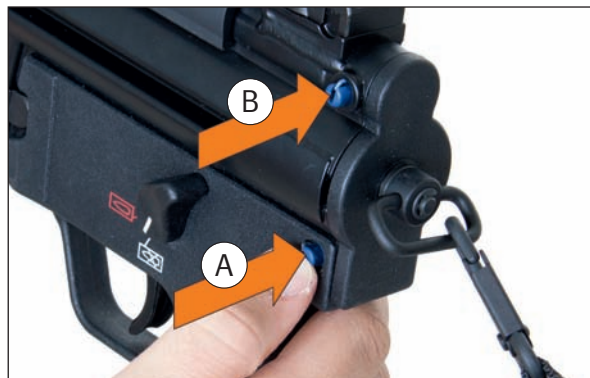
**Risk of injury from improperly assembled weapon!**

**Improper assembly can compromise the safety and functioning of the weapon.**

- › Only disassemble the weapon to the extent described in this manual.

### 9.2.1 Disassemble the weapon into assembly groups

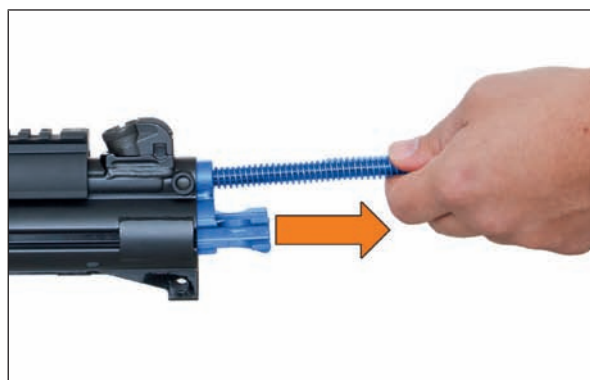
1. ► Carry out safety check.
2. Push in locking pin for back plate and pull it out (*Fig. 23*).
3. Remove back plate to the rear.
4. Remove pistol grip downwards (*Fig. 24*).
5. Pull bolt group and recoil spring rearwards out of the receiver (*Fig. 25*).
6. Push in locking pin for handguard and pull it out.
7. Turn handguard downwards and remove it.



*Fig. 23: Push in locking pin for back plate*



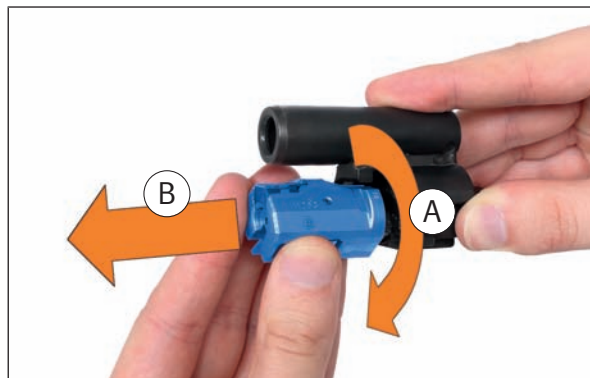
*Fig. 24: Remove pistol grip*



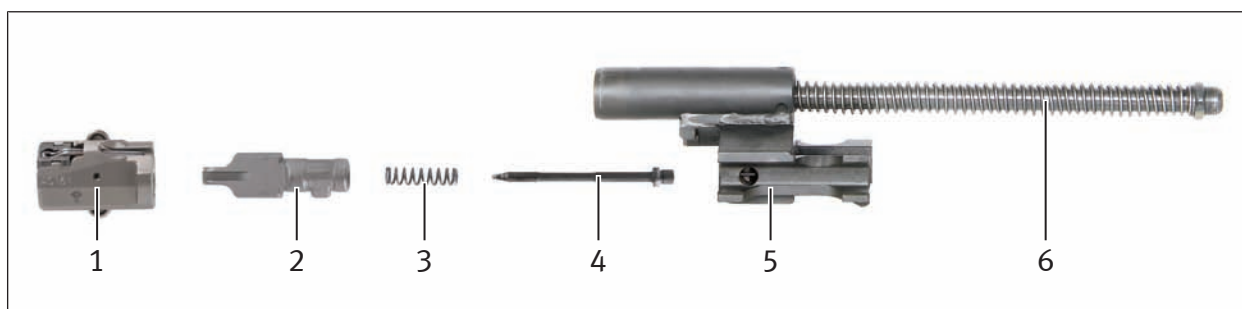
*Fig. 25: Remove bolt group and recoil spring*

### 9.2.2 Disassemble bolt group

1. ► Disassemble the weapon into assembly groups.
2. Turn bolt head clockwise (*Fig. 26*).
3. Remove bolt head forwards from bolt head carrier (*Fig. 26*).
4. Turn locking piece clockwise.
5. Remove locking piece from bolt head carrier.
6. Remove firing pin and pressure spring for firing pin forwards out of the bolt head carrier.



*Fig. 26: Remove bolt head*



*Fig. 27: Components of bolt group*

- |                                  |                     |
|----------------------------------|---------------------|
| 1 Bolt head                      | 4 Firing pin        |
| 2 Locking piece                  | 5 Bolt head carrier |
| 3 Pressure spring for firing pin | 6 Recoil spring     |

### 9.2.3 Remove Picatinny rail



Only remove Picatinny rail if damaged.

*Required auxiliary materials:*

- Torque wrench 2 - 10 Nm
- Torx insert TX15

1. Place Torx insert in torque wrench.
2. Adjust torque wrench.
3. Loosen screws for Picatinny rail by turning anti-clockwise with torque wrench (Fig. 28).
4. Press and hold clamp for Picatinny rail.
5. Turn Picatinny rail from receiver and remove it (Fig. 29).



Fig. 28: Loosen screws

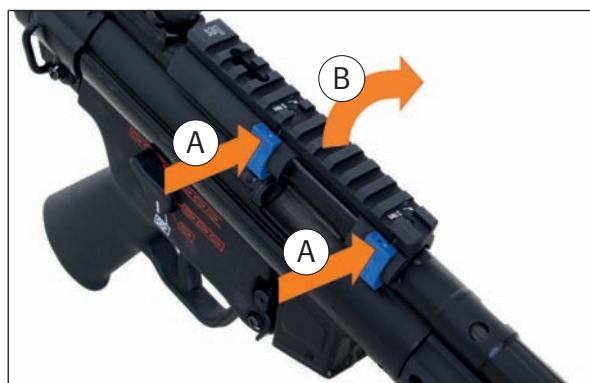


Fig. 29: Remove Picatinny rail

## 9.3 Clean weapon

### NOTICE

**Risk of material damage from incorrect cleaning agents and care products!**

**Incorrect cleaning agents and care products can damage the weapon.**

- › When cleaning the weapon, use the specified cleaning agents.
- › Do not use any metallic objects, plastics (nylon, etc.) or chemical cleaning agents (benzine, tetrachlorethylene, tichlor, etc.) to clean the weapon.
- › Do not clean the weapon in an ultrasonic bath.

1. ► Disassemble weapon.
2. ► Clean assembly groups.
3. ► Clean barrel.
4. ► Lubricate weapon.
5. ► Assemble the weapon.

### 9.3.1 Clean assembly groups

*Required auxiliary materials:*

- *Cleaning rag*
1. Clean fouled parts and surfaces using cleaning rag.
  2. Clean inside of receiver using cleaning rag.
  3. Clean pistol grip, recoil spring, firing pin and bolt head using cleaning rag.
  4. Clean firing pin bore in bolt head using cleaning rag.
  5. Clean magazine well, magazine and follower using cleaning rag.
  6. Visually check weapon for damage.



### 9.3.2 Clean barrel

*Required auxiliary materials:*

- Oil
- Cleaning pull-throughs
- Cleaning kit

#### NOTICE

**Risk of material damage from incorrect cleaning direction!**

**Cleaning the barrel from the muzzle end may damage the muzzle. A damaged muzzle will decrease the weapon's accuracy.**

› Always clean the barrel starting from the chamber end.

1. Screw together handle rod, extension rods and chamber cleaning brush.
2. Clean chamber and locking piece using chamber cleaning brush.
3. Replace chamber cleaning brush with barrel cleaning brush.
4. Pull lubricated barrel cleaning brush through the barrel several times.
5. Replace barrel cleaning brush with pull-through holder.
6. Insert clean cleaning pull-throughs in pull-through holder.
7. Pull clean cleaning pull-throughs through barrel several times until barrel is free of oil and foreign bodies.
8. Replace cleaning pull-through with oil brush.
9. Pull lubricated oil brush through barrel.

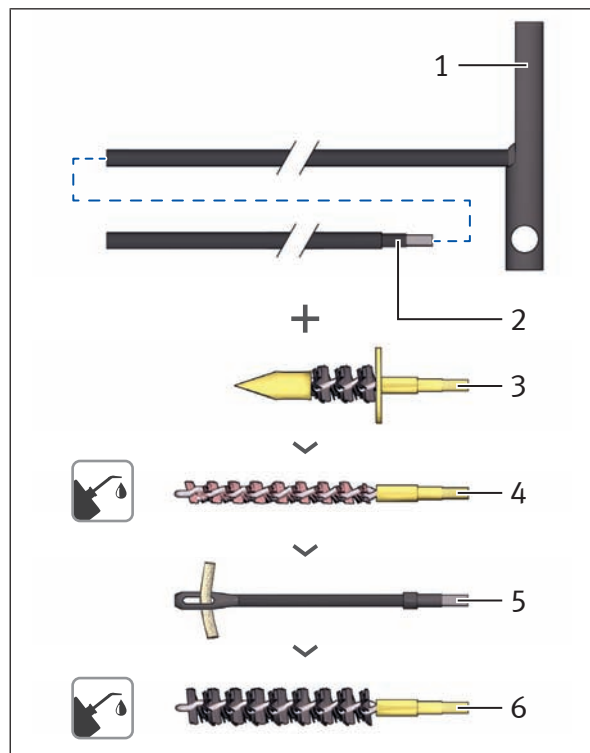


Fig. 30: Clean barrel

- 1 Handle rod
- 2 Extension rod
- 3 Chamber cleaning brush
- 4 Barrel cleaning brush
- 5 Pull-through holder
- 6 Oil brush

## 9.3.3 Lubricate weapon

*Required auxiliary materials:*

- Oil
1. Lubricate cleaned metal parts thinly.
  2. Lubricate lubrication points of bolt group (Fig. 31).
  3. Lubricate lubrication points on pistol grip (Fig. 32).
  4. Lubricate lubrication points of functional elements (Fig. 33).

### NOTICE

**Risk of material damage from lubricated cartridges!**

**Lubricated cartridges result in increased loads on components and can damage the weapon.**

- › Do not lubricate the inside of the magazine.

5. Lubricate outside of magazine thinly.

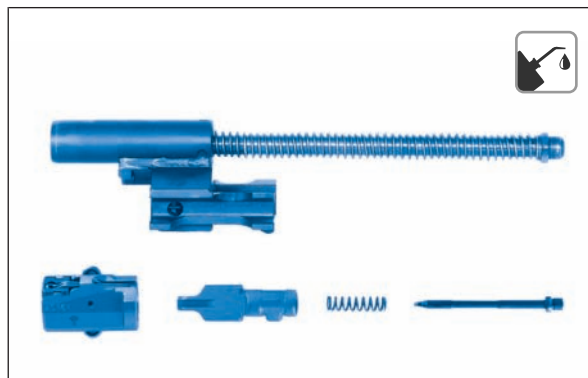


Fig. 31: Lubrication points of bolt group



Fig. 32: Lubrication points on pistol grip



Fig. 33: Lubrication points of functional elements

## 9.4 Assemble weapon

### 9.4.1 Assemble Picatinny rail

*Required auxiliary materials:*

- Torque wrench 2 - 10 Nm
- Torx insert TX15

1. Place Picatinny rail against receiver (Fig. 34).
2. Turn Picatinny rail to receiver until the clamp on the weapon's mounting points clicks into place (Fig. 34).
3. Set torque wrench to 3 Nm.
4. Place Torx insert in torque wrench.
5. Tighten screws for Picatinny rail clockwise with torque wrench until the torque is reached (Fig. 35).



Fig. 34: Assemble Picatinny rail

1 Mounting points



Fig. 35: Tighten screws

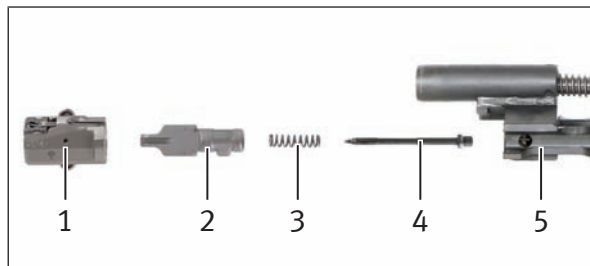
### 9.4.2 Assemble bolt group

1. Push pressure spring for firing pin onto firing pin (*Fig. 36*).
2. Place firing pin with pressure spring for firing pin into bolt head carrier (*Fig. 36*).



Observe assembly position of locking piece.

3. Press locking piece completely into bolt head carrier and hold it.
4. Turn locking piece anti-clockwise until assembly position has been reached (*Fig. 37*).
5. Place bolt head with extractor upwards onto locking piece (*Fig. 38*).
6. Turn bolt head anti-clockwise until the connecting piece audibly and tangibly snaps into place (*Fig. 38*).

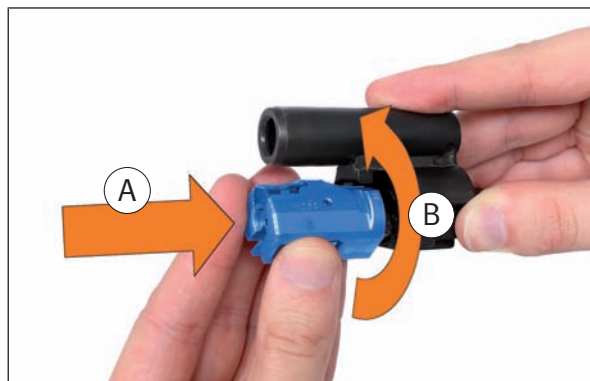


*Fig. 36: Assemble bolt group*

- 1 Bolt head
- 2 Locking piece
- 3 Pressure spring for firing pin
- 4 Firing pin
- 5 Bolt head carrier



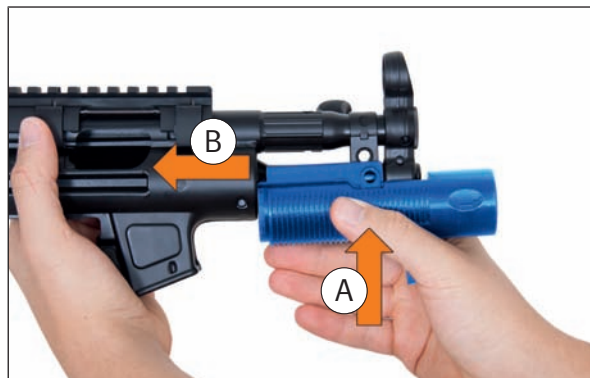
*Fig. 37: Assembly position of locking piece*



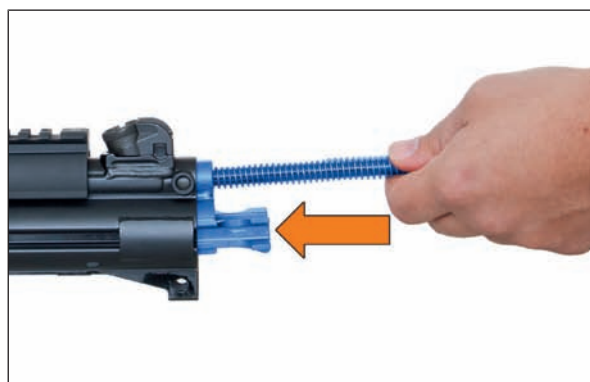
*Fig. 38: Insert bolt head*

### 9.4.3 Assemble the assembly groups

1. ► Assemble bolt group.
2. Place handguard onto receiver from below and press it rearwards (*Fig. 39*).
3. Push locking pin for handguard into receiver.
4. Insert bolt group and recoil spring into receiver from the rear (*Fig. 40*).
5. Insert pistol grip into receiver and turn upwards (*Fig. 41*).
6. Insert back plate into receiver.
7. Push locking pin for back plate into receiver.



*Fig. 39: Assemble handguard*



*Fig. 40: Insert bolt group and recoil spring*



*Fig. 41: Insert pistol grip*

## 10 Faults: Causes and remedies



Users are strictly prohibited from troubleshooting faults that go beyond the scope of this manual! Only authorised specialists may rectify faults in the weapon.

### **WARNING**

**Safety risk from not knowing whether or not the weapon is loaded!**

**In the event of a fault, the weapon may be loaded even if you expect it to be unloaded.**

- › In the event of a fault, treat the weapon as if it were loaded.
- › In the event of a fault, verify whether the weapon is actually loaded.
- › Follow the fundamental safety instructions for troubleshooting.

The following points do not constitute a complete list of all the possible faults. Causes other than those named here are also possible.

Fault	Cause	Remedy
Bullet is stuck in the barrel.	Defective ammunition.	Send weapon in for repair.
Cartridge has not ignited.	Defective ammunition.	Wait at least one minute. ► Unload weapon. Do not re-use cartridges that have failed to fire.
	Firing pin sluggish, damaged or broken.	Send weapon in for repair.
	Hammer defective.	
Bolt group does not open after firing.	Defective ammunition.	► Unload weapon. ► Clean weapon if necessary. Send weapon in for repair if necessary.

Fault	Cause	Remedy
Cartridge or cartridge case is not ejected.	Cartridge rim ripped off.	► Unload weapon. Send weapon in for repair if necessary.
	Chamber fouled.	Clean chamber.
	Rearward movement of bolt group too short.	► Unload weapon. ► Carry out function check. ► Clean weapon if necessary. Send weapon in for repair if necessary.
	Defective ammunition.	Use different ammunition.
	Extractor or pressure spring for extractor damaged.	Send weapon in for repair.
Cartridge is not loaded into the chamber.	Chamber fouled.	► Unload weapon. ► Clean weapon.
	Cartridge deformed.	Use different cartridge.
	Recoil spring defective.	Send weapon in for repair.
Cartridge does not feed.	Magazine not correctly inserted.	Insert magazine correctly.
	Magazine spring defective.	Send magazine in for repair.
	Magazine or magazine lips damaged.	Use different magazine.
	Rearward movement of bolt group too short.	► Unload weapon. ► Carry out function check. Send weapon in for repair if necessary.
	Bullet shape causes fault.	Use ammunition with standard bullet shape.
Magazine sticks in magazine well.	Magazine damaged.	Exchange magazine. Send damaged magazine in for repair.
	Magazine catch defective.	Send weapon in for repair.
Windage or elevation of point of impact changed.	Rear sight misaligned.	► Adjust sights.
	Other type of ammunition.	Use another type of ammunition or ► Adjust sights.
	Sights damaged.	Send weapon in for repair.

## 11 Protection, packaging and storage



Protection guards the weapon against external influences and maintains its functional reliability even if it is not used for long periods. Whenever the weapon is expected to be stored for more than 6 months, the weapon must be protected.

If the weapon is not expected to be stored for more than 6 months, it is sufficient to clean the weapon.

---

### 11.1 Protect the weapon

*Required auxiliary materials:*

- Grease
- Oil paper

1. ► Clean the weapon.
2. Seal both ends of the barrel with grease.
3. Wrap weapon in oil paper.

### 11.2 Package the weapon

1. ► Unload weapon.
2. ► Empty magazine.
3. Package the weapon in appropriate transport container.



## 11.3 Store the weapon



Store the weapon and ammunition separately.

1. Follow applicable regulations for the storage of weapons and ammunition.
2. Whenever the weapon is not expected to be stored for more than 6 months, ► Clean the weapon.
3. Whenever the weapon is expected to be stored for more than 6 months, ► Protect the weapon.
4. ► Package the weapon.
5. Store the weapon in an enclosed, weather resistant room.

### **WARNING**

**Risk of accidents caused by unauthorised persons!**

**Unauthorised persons who have no experience with weapons can cause accidents.**

- › Be sure to prevent access to the weapon and ammunition by unauthorised persons, especially children.

6. Protect rooms where weapons are stored against break-in and fire.
7. If the weapon is to be stored for longer than 1 year, check the grease seal on the barrel and the oil film on the metal parts on an annual basis.

## 12 Transport and ship the weapon

### 12.1 Prepare the weapon for transport

1. ► Package the weapon.
2. Secure the weapon in vehicle.

#### **NOTICE**

##### **Risk of material damage from vibrations!**

##### **Vibrations during transport can damage the weapon.**

- › During transport, secure the transport container against slipping and damage from outside influences.
- › Avoid impacts and vibration of the weapon.

### 12.2 Transport and ship the weapon

---



Transport and ship weapon and ammunition separately.

---

- › Follow the applicable regulations on the transport and shipping of weapons and ammunition.

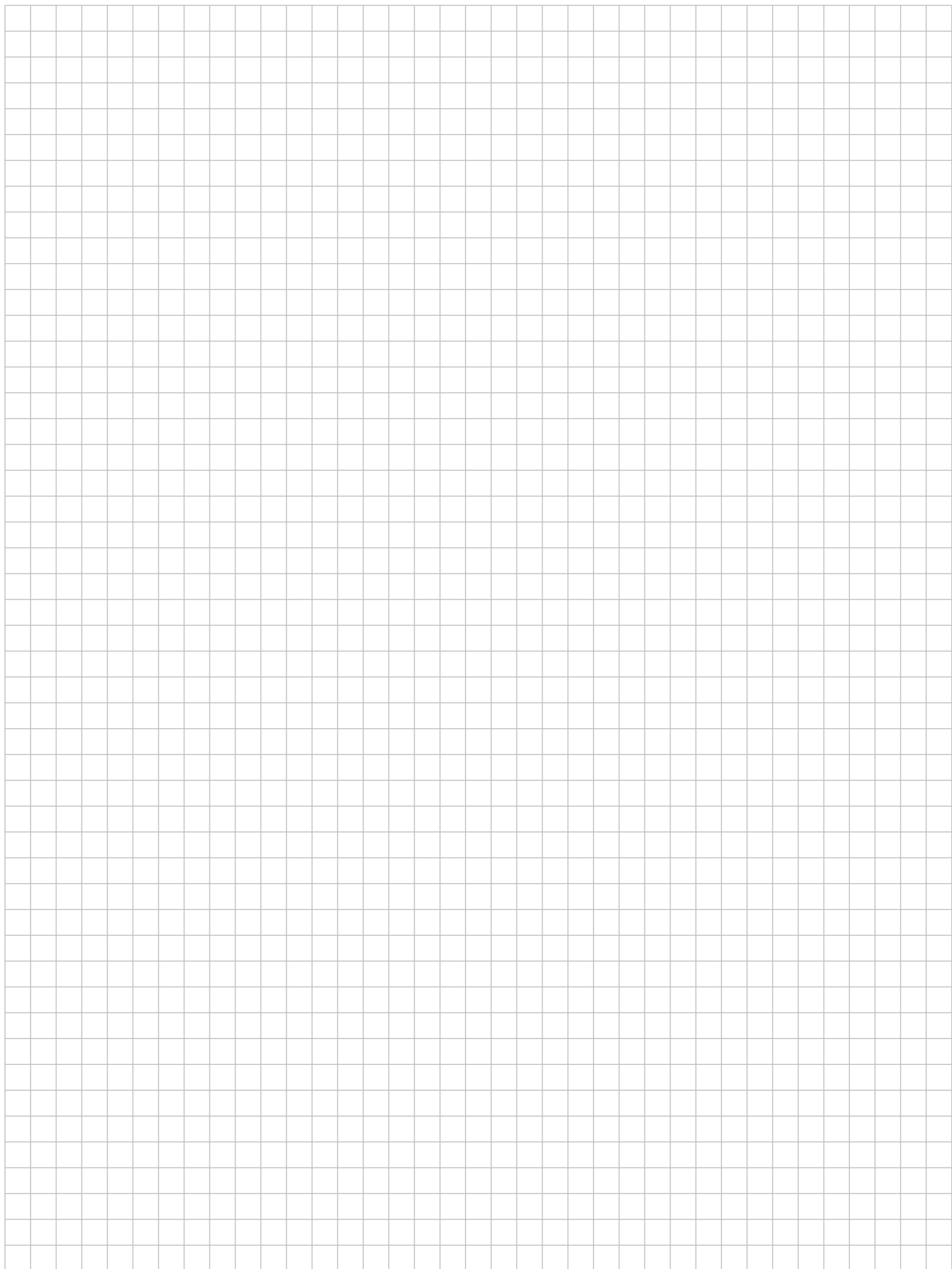
## **13 Destruction and disposal of the weapon**

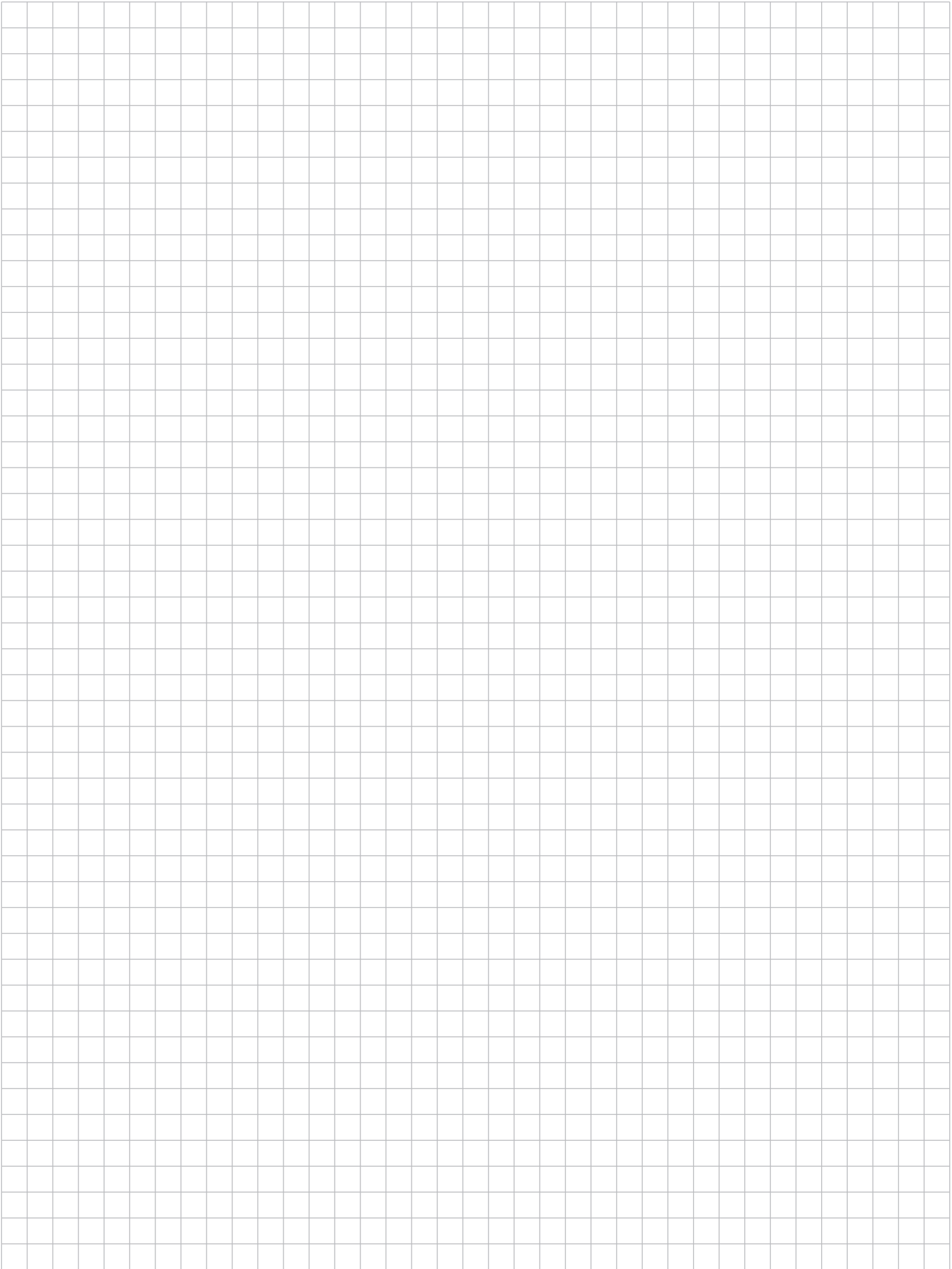
### **13.1 Destroy the weapon**

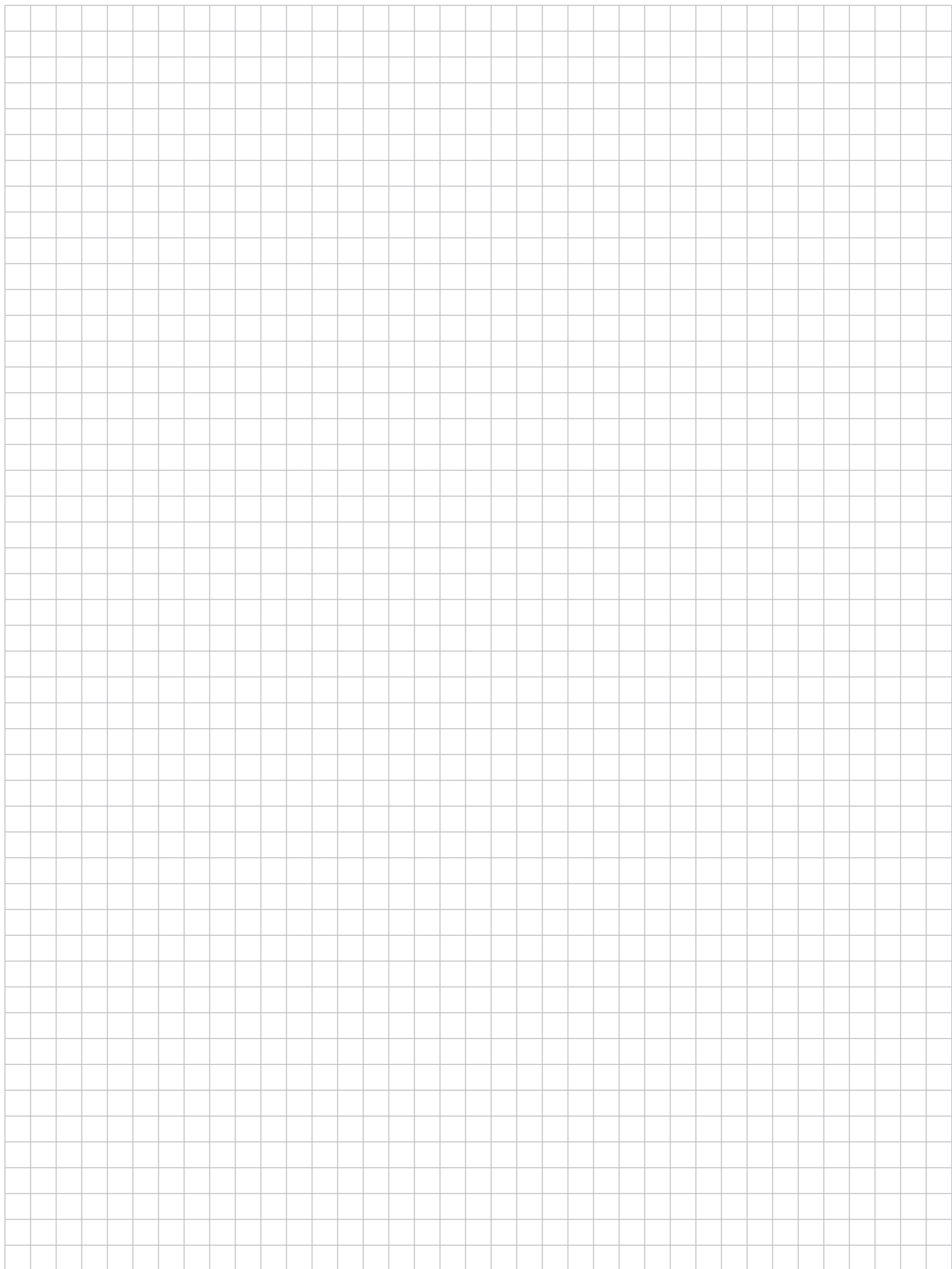
- › Follow the applicable regulations on the destruction of weapons and ammunition.

### **13.2 Dispose of the weapon**

- › Follow the applicable regulations on the disposal of weapons and ammunition.







<b>Pistol</b>	<b>SP5K</b>
Calibre	9 mm x 19
Operating principle	Recoil-operated
Locking system	Roller-delayed blowback
Cartridge feed	Magazine, 10 / 15 / 30 cartridges
Cartridge case ejection	Right
Mode of fire	Single fire
<b>Dimensions</b>	
Width	61 mm
Height	220 mm
Barrel length	115 mm
Sight radius	260 mm
<b>Weight</b>	
Weapon <sub>1</sub>	Approx. 1980 g
Magazine, 10 / 15 / 30 cartridges (empty)	Approx. 100 g / 120 g / 170 g
Magazine, 10 / 15 / 30 cartridges (full) <sub>2</sub>	Approx. 220 g / 305 g / 540 g
<b>Other data</b>	
Trigger pull	Approx. 30 N - 45 N
Muzzle velocity -v <sub>5-2</sub>	Approx. 375 m/s
Muzzle energy -E <sub>0-2</sub>	Approx. 570 J
Barrel profile / twist	Groove/land profile, 6 grooves, right-hand twist

<sub>1</sub> without magazine / without Picatinny rail

<sub>2</sub> Ammunition NATO AD60 (FMJ) / DM51

## Technical data

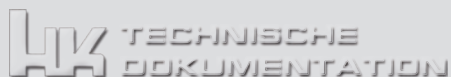


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# No Compromise

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