



Instruction Manual

and

Safety Instructions Korth PRS Pistol

Read it carefully before using!

PTW Korth Germany GmbH

Justus-Kilian-Strasse 2

D-35457 LOLLAR

Germany

Phone 0049 6406 830020

FAX 0049 6406 8300299

Email sales@kortharms.com

www.kortharms.com

Table of Contents

1.	The Korth automatic pistol PRS	3
2.	Introduction:	4
3.	About this manual	4
4.	Used guns.....	4
5.	Store firearms safely in the home	4
6.	SAFETY RULES.....	5
7.	Securing the pistol	9
8.	Loading the magazine	9
9.	Loading the pistol.....	10
10.	Unloading the pistol	11
11.	Shoot	11
12.	Dismantling for cleaning	12
13.	Assembling the pistol.....	14
14.	Care of the pistol.....	15
15.	Assemblies	16
16.	Accessories	16
17.	Technical data	17



PTW Korth Germany GmbH

We have been developing and manufacturing high-precision weapons for over 60 years.

The PRS pistol is a merger of two of the world's best handgun systems into a single unit.

Our weapons are hand-built with the utmost care. The materials used meet the highest available standards of quality.

Characteristics

1. The Korth automatic pistol PRS

Consists of a carbon steel frame with a Picatinny rail in front of the trigger guard, a fixed barrel and a semi-rigid, roller locking action.

The semi-rigid roller locking action is an outstanding development in modern small arms technology. Dividing the recoil impulse in its operation reduces the felt recoil and allows the action to cycle faster and easier.

The fixed barrel ensures **excellent shooting precision**, while its low bore axis **reduces the muzzle flip and speeds up the reacquisition** of the target.

2. Introduction:

This is an autoloading pistol. It is automatically reloaded and made ready to fire after each shot until all shells loaded in the magazine have been expended. The pistol can fire both with and without the magazine in place. Removing the magazine neither unloads the pistol nor engages the safety. The pistol is not unloaded until the chamber is empty.

3. About this manual

This is an instruction manual for safe handling and operation of the Korth PRS autopistol. It does not provide instructions for using a pistol for self-defense, hunting, or target shooting. It is important to obtain professional instruction prior to engaging in any of these activities. The National Rifle Association, your local or state authorities, or your gun dealer may be able to provide information regarding the available instructors and training courses. If you have a license to carry concealed, never do so without prior instruction from a certified instructor. Using a gun for self-defense is a complex subject involving dangers and risks for which you must be properly trained. Every safety rule has a reason behind it. Read the rules carefully and understand why each one is important for safety. We recommend obtaining professional training and instructions prior to handling this or any other firearm. Know and obey all gun laws. Never give a firearm to anyone who is not allowed to possess a firearm or anyone who may use it for a criminal purpose.

4. Used guns

If you purchased this firearm used, please have it inspected and tested by a competent gunsmith prior to shooting it. Firearms are sometimes altered and may require repair before they can be used safely.

5. Store firearms safely in the home

Store all firearms unloaded and locked in a secure place. Obey all firearm storage laws. Store firearms and ammunition separately. Teach your children never to handle firearms without adult supervision..



WARNING

KNOW YOUR GUN

6. SAFETY RULES

READ AND UNDERSTAND THESE SAFETY RULES

Be A Safe Shooter.

An accident is an unintended, unplanned, and unexpected event or circumstance that may involve undesirable or unfortunate outcome, especially one resulting in injury, damage, harm, or loss. Many accidents might have been avoided or prevented, had the circumstances leading up to them been recognized, and acted upon, prior to their occurrence.

Don't be the cause of an accident.

A responsible gun owner is always safety minded and handles firearms in a safe manner by following the basic rules of safe shooting and by using common sense in their handling. Store firearms unloaded, locked, and in a secure place. Secure keys separate from locks and away from children. Keep firearms out of reach of children. You are responsible for children's safety.

- Always keep the muzzle pointed in a safe direction.
- Never point a firearm at any person or thing you do not intend to shoot.
- **Do not drop your firearm.** If it falls, it may fire even with the safety on. If you do drop it, unload it and examine it to be sure it works correctly. Do not attempt to fire it again until you have completed this safety check.
- Never put your hand over the muzzle of the firearm.
- Keep your fingers off the trigger and out of the trigger guard until you are aiming at your target, ready to shoot.

TREAT EVERY GUN AS IF IT WERE LOADED, ALL THE TIME!

BE A RESPONSIBLE GUN OWNER!

- Never rely on a gun's "safety" to protect you from unsafe gun handling. A safety is only a mechanical device, not a substitute for common sense.
- When the gun is loaded and cocked, always keep the thumb safety on until you are ready to fire.
- Be sure of your target and backstop before you shoot. Ask yourself what your bullet will hit if it misses or goes through the target.
- Before shooting, be sure the barrel is clear of obstructions, including excessive oil and grease.
- If anything does obstruct the barrel, unload the pistol, and clear the bore immediately, before attempting to shoot. Obstructed barrels can burst and injure you or bystanders.
- Never let water, snow, mud, or other contaminants enter the barrel.
- Never pull a gun toward yourself by the muzzle.
- Do not climb a tree, cross a fence or a ditch, or jump over an object with a loaded gun.
- Always hold your gun so as to control the direction of its muzzle in case you fall or stumble.



WARNING

KORTH Pistols are classified as firearms and dangerous weapons. Injury or death to you or others may result from unsafe or improper use.

BE A SAFE SHOOTER!

- Guns and alcohol or drugs do not mix. Do not take them before or during shooting activities. Your vision, coordination, and judgment could be impaired, making gun handling unsafe.
- When taking medication, seek a doctor's advice to be sure that you can handle and operate your firearm safely.
- Get instructions from a competent firearms instructor before using any firearm.
- Before attempting to shoot, practice operation by dry firing with the chamber empty, or loaded with dummy shells. Become familiar with the safety features, trigger control, and handling of the firearm.
- Always keep and carry your pistol with an empty chamber and with the hammer forward until you intend to shoot, so that your pistol cannot be fired unintentionally.
- Firearms should be unloaded when not in use. This requires emptying both the chamber and the magazine .
- When handing a firearm to someone else, always ask its recipient to open the action and check that it is unloaded.
- Never take anyone's word that a firearm is unloaded. When receiving a firearm, always open the action and check that it is unloaded.

READ THESE RULES!

- Always load shells from the magazine and keep your finger off the trigger.
- Load gun only when on range preparing to fire. Unload it before leaving range.
- Treat every gun as if it is loaded...**all the time!**
- Load and unload with the gun pointed in a safe direction.
- Be certain gun is unloaded before cleaning.
- Completely unload your gun before storing, travelling, standing it against an object, laying it down, entering a house, car, truck, boat, RV/camper, building, or handing it to someone.
- Never leave a loaded gun unattended.
- Tragedy may result if a child finds your gun and plays with it. Keep every gun secure. Children do not believe guns can kill.
- Store guns and ammunition separately. Both should be placed beyond children's reach.
- Obey all laws regarding the storage and security of guns in the home.
- Know and obey the laws regarding the transportation and carrying of firearms.
- Never carry any handgun in your pocket, purse or tucked in your belt or waistband. Use a pistol case or a proper holster with safety flap or strap.
- New non-defective brass is essential to ensure safe functioning of your gun.
- **Old or reloaded ammunition may be dangerous. Use only clean, dry original, high-quality, commercially manufactured ammunition. Reloaded ammunition will void the warranty.**

TREAT EVERY GUN AS IF IT WERE LOADED, ALL THE TIME!

- Many ammunition calibers look alike. Make sure you use the right ammunition in your firearm.
- If your firearm fails to fire when the trigger is pulled, keep it pointed at the target for at least 30 seconds before opening the action and removing the cartridge from the chamber. Sometimes slow primer ignition will cause a “hang fire”, and the cartridge will go off after a short pause.
- When shooting with others, always appoint someone to maintain safety. Obey his or her commands immediately and completely.
- While a shooter is loading, firing, and unloading, the spectators should be at least 10 feet behind him or her.
- Always wear protective glasses when shooting.
- Always wear hearing protection when shooting.
- Never shoot at hard flat surfaces or water, as bullets may ricochet.
- Do not alter or modify your gun.
- Have your gun serviced regularly by a qualified gunsmith.
- Discharging firearms, cleaning firearms, or handling ammunition in poorly ventilated areas may result in exposure to lead and other substances known to cause birth defects, reproductive harm, cancer, and other serious physical injury. Ensure adequate ventilation at all times. Wash hands thoroughly after exposure.



**Always wear eye and ear protection when using any firearm.
Safety and instruction manuals are available from KORTH
Germany GmbH.**

BE A SAFE SHOOTER!

- Do not try to modify your gun's trigger pull, because alterations of trigger pull usually affect sear engagement and might cause accidental firing.
- Never disassemble the safety. It has been correctly designed, fitted and tested. Any mechanical device can fail, so never rely on the safety as an alternative to safe handling.
- Never use a gun that jams or fails to function properly. Should this occur, return it to the manufacturer for warranty/repair.
- If your shot sounds weak or underpowered, it could mean that a bullet is stuck in the chamber or the bore. Unload the firearm immediately and check the chamber and the bore for obstructions before attempting to fire it.
- Do not “horseplay” with a gun. Your gun cannot think... but you can. Firearm safety depends on the operator and is his responsibility.

Please contact us with any questions and/or matters that might relate to your safety and the safe operations of any of our products.

PTW Korth Germany GmbH

Justus-Kilian-Strasse 3

D-35457 LOLLAR

Germany

Phone: 0049 6406 830020

FAX: 0049 6406 83002999

Email: sales@kortharms.com

www.kortharms.com

CAUTION!

There is no safe way to discharge a pistol in a home or apartment. Bullets will go through walls, floors, furniture, and appliances and still cause serious injury or death to persons in the house, next door, or outside. Accidental discharges indoors always result in property damage or personal injury.



WARNING: When you squeeze the trigger, you must expect the gun to fire. You must take full responsibility for firing it. Your care can avoid accidental discharge and thereby prevent accidental injury and death.

Handling of the Korth automatic pistol PRS

7. Securing the pistol

- By rotating the safety lever down or up **the pistol is respectively unlocked or secured.**



Figure 1: Pistol unlocked



Figure 2: Secured pistol

8. Loading the magazine

Push the cartridge downwards with its base to depress the magazine follower or the cartridge loaded earlier, and slide it into the magazine under the magazine lip.

The magazine holds 7 rounds.

Please use only original magazines in order to ensure the reliability of your weapon.



Figure 3: Filling the magazine

9. Loading the pistol

First loading method

Insert the loaded magazine into the magazine well until the magazine catch locks. Retract the slide all the way back and release it. The uppermost cartridge in the magazine is now loaded into the chamber. (Figure 4)

Second loading method

Retract the slide while pressing the slide release lever upwards until its catch fits into the notch in the slide. Insert the loaded magazine into the handgun. Then either retract the slide all the way back and release it, or push the slide stop lever downwards.

In both cases, the slide snaps forward and loads the uppermost cartridge from the magazine into the chamber.



Figure 4: Retract the slide

With both methods of loading the gun is **loaded** and the hammer is **cocked**.

Reloading with empty magazine

After the last shot, the slide remains in the rearmost position. If you have to continue shooting, simply replace the empty magazine with a loaded one and then either retract the slide all the way back and release it, or push the slide stop lever downwards. The gun is ready to fire again.



Figure 5: Reloading the pistol

10. Unloading the pistol



Figure 6: Remove the magazine and clear the chamber by retracting the slide all the way back;

Ensure that there is no round in the chamber, then ease the slide forward again.

11. Shoot

Shooting with a cocked hammer

Make sure that the pistol is loaded, with a cartridge in the chamber.

Pull the trigger, thereby releasing the hammer. The light trigger weight assists practical accuracy.

12. Dismantling for cleaning

Remove the magazine.

Retract the slide completely and make sure that there is no cartridge in the chamber.

Pull back the slide up to align the relief cut with the slide stop notch, then pull out the slide stop lever.



Figure 7 Slide stop position before disassembly



Figure 8: Pull out the slide stop lever

After pulling out the slide stop lever, the slide can be moved forward.



Figure 9: Removing the slide

To **remove the barrel** press it forward to overcome the spring pressure until its breech end can be pivoted upwards from the slide.



Figure 10: Removing the barrel

To **remove the bolt head** press down the bolt head catch between the bolt head and breech block with the narrow end of the multi-function tool until the bolt head springs forward and can be removed from the closure.



Figure 11: Dismantled multifunctional tool PRS pistol



Figure 12: Press down on the catch to remove the bolt head

Note:

The hammer must not be allowed to drop while the pistol is disassembled!

13. Assembling the pistol

While holding the bolt head, place its rectangular opening over the control piece (extractor for ejection port) and press the bolt head catch downwards with the narrow end of the multi-function tool. Push the bolt head back until it snaps into place.

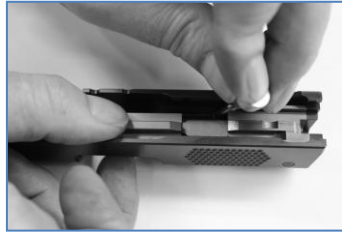


Figure 13: Inserting the bolt head



Attention:
Big Diameter in
muzzle direction!

Figure 13a: Inserting the recoil spring

Push the muzzle end of the barrel with the recoil spring mounted at an angle against the spring pressure through the opening in the slide (Figure 13), then pivot the breech end of the barrel downwards into the slide and ease it back until the locking rollers snap into place.



Figure 14: Inserting the barrel in the slide

Push the slide back on the frame up to align the relief cut with the slide stop notch, then insert the slide stop lever (see figure 7). With the chamber empty, ease the slide into battery instead of allowing it to snap forward. Insert magazine. If a loaded magazine is in place and you are ready to fire, retract the slide all the way and let it snap forward.

14. Care of the pistol

To clean the pistol, disassembling it as described above is sufficient.

The service life and performance of your pistol depend on its proper use and correct and regular cleaning. The barrel must be cleaned after every shooting session. Routine cleaning must ensure the removal of dirt and moisture. Exposed parts should be wiped and lightly oiled.



Figure 14a: Cleaning from the barrel without disassembling

Any commercially available acid-free detergent, gun oil, or gun grease can be used. However, only the prescribed cleaning and lubricants are to be used.

15. Assemblies

1 Slide

2 Barrel with locking spring

3 Frame

4 Magazine



Figure 15: Assemblies

16. Accessories



Figure 16: Slide springs in different weights

Red = Strong

Yellow = Middle

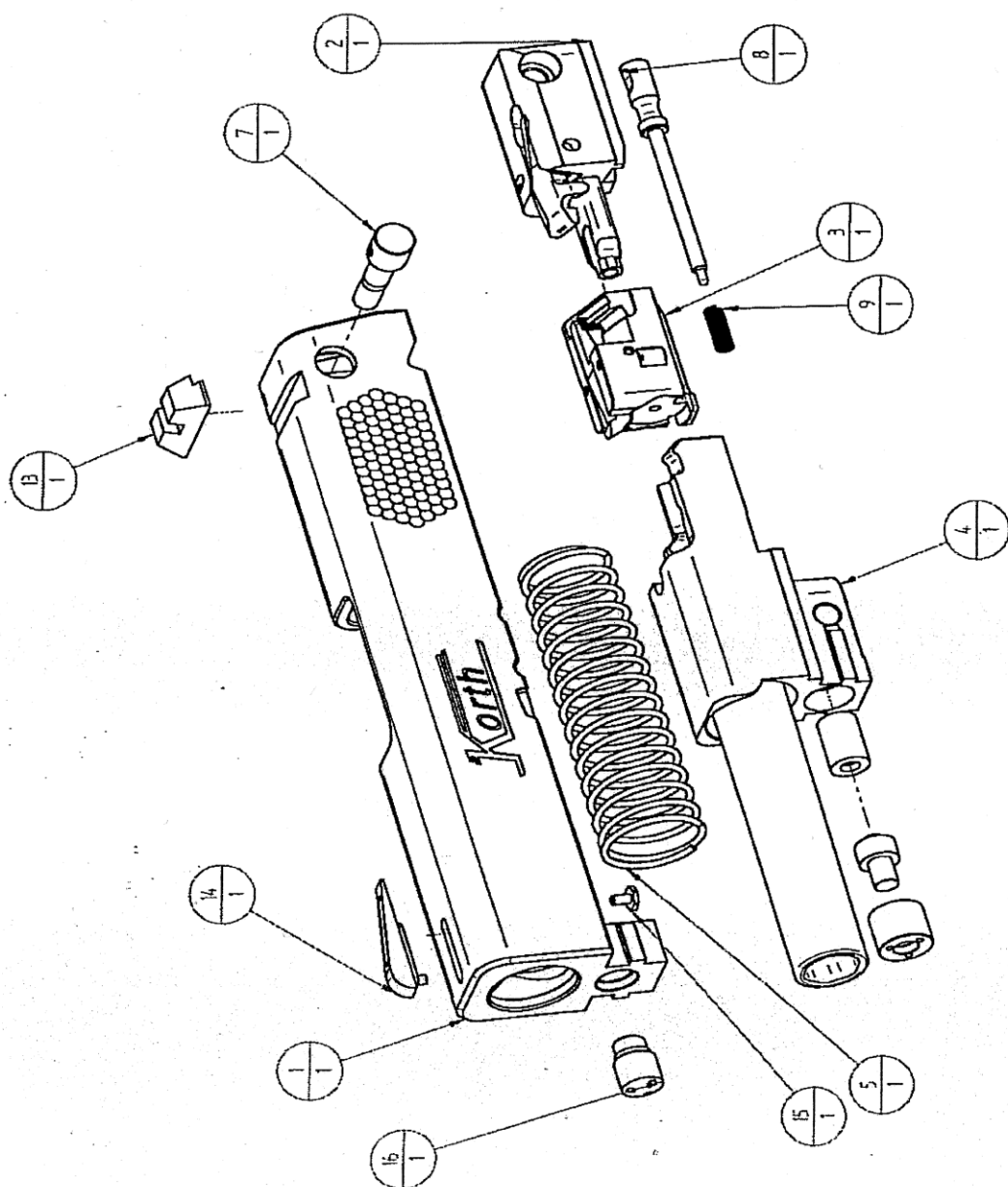
Green = Soft

17. Technical data

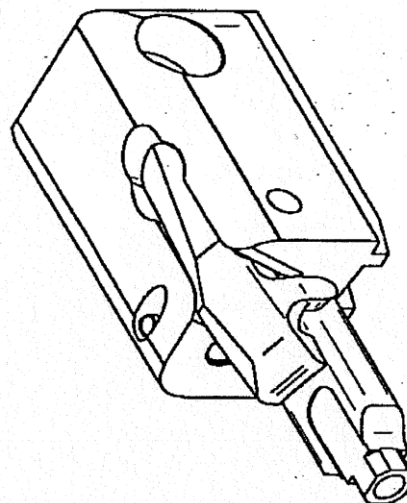
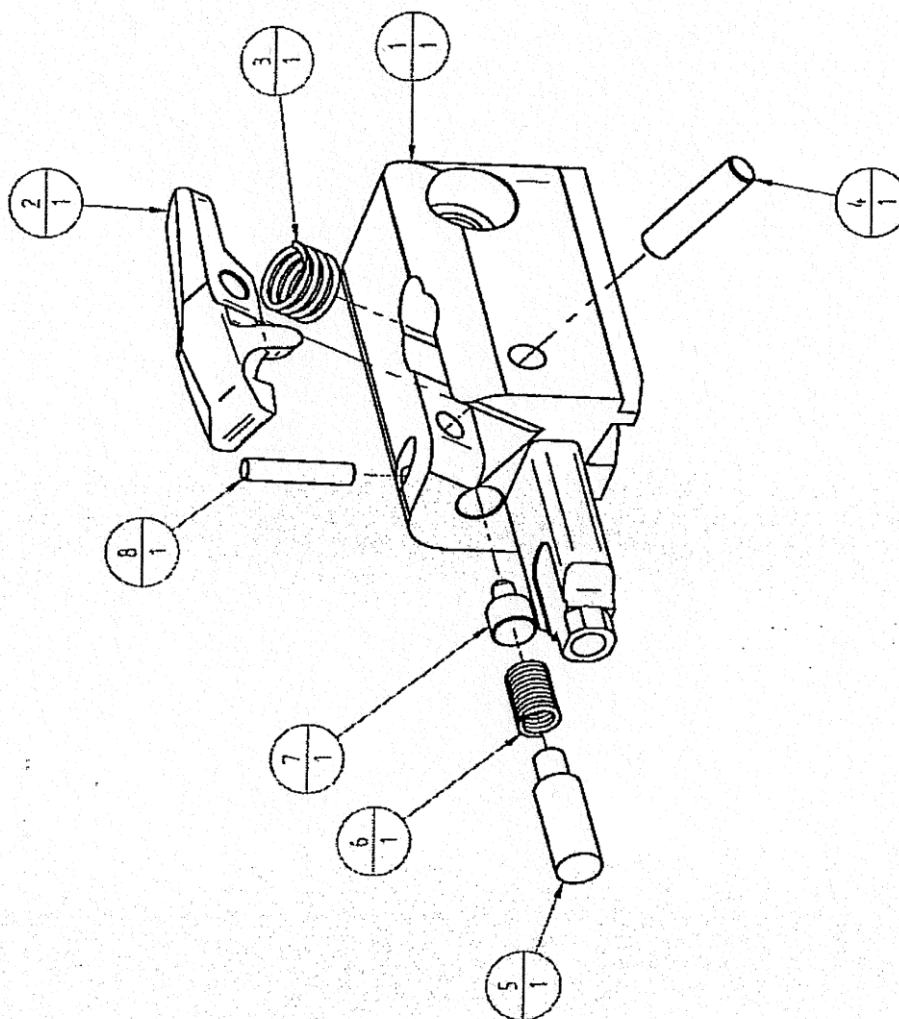
Korth automatic pistol model PRS

- Operating principle:Recoil operated weapon
- ActionRoller locked delayed blowback
- FeedMagazine containing 7 cartridges
- Calibre45 ACP
- Muzzle velocity - V_0 -About 220-350 m / s
- Muzzle energy - E_0 -About 332-735 J
- Firing systemsingle action
- Length of pistol195 mm
- Height of pistol150 mm
- Width of the pistol over the grip plate.....34 mm
- Length of the barrel102 mm
- Sight radius145 mm
- **Weights**
- Pistol without magazineca. 1000 g
- Magazine loaded with 7 cartridgesca. 218 g

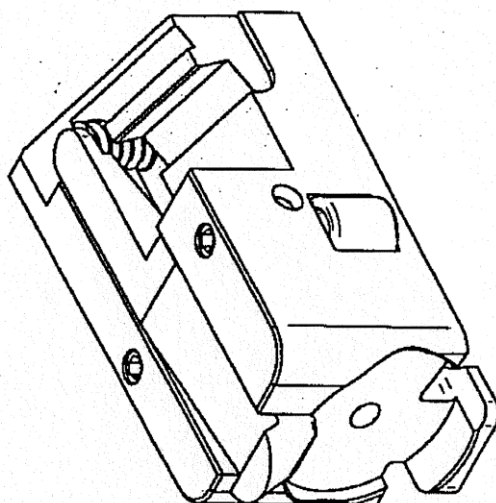
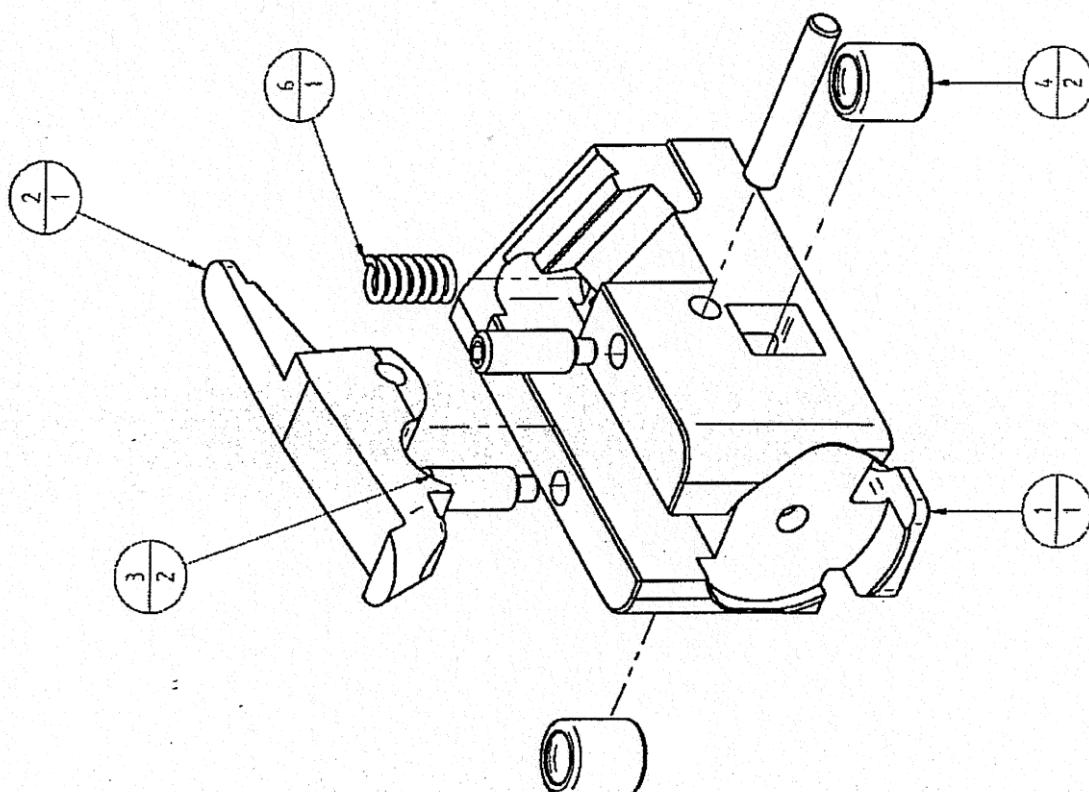
Pos.-Nr.	Dokument-Nr.	Titel	Anzahl
1	10-2-3003	Slide Housing	1
2	10-2-3104	Bolt Carrier complet	1
3	10-2-3105	Bolt Head 45 complet	1
4	10-2-3075	Barrel 45/4" Carrier	1
5	10-2-3016	Recoil Spring	1
7	10-2-3014	Firing Pin Stop	1
8	10-2-2013	Firing Pin	1
9	10-2-3021	Firing Pin Refractor Spring	1
13	10-2-3028	Rear Sight Combat	1
14	10-2-3029	Front Sight Combat	1
15	10-2-3073	Front Sight Screw	1
16	10-2-3033	Driving Stud	1

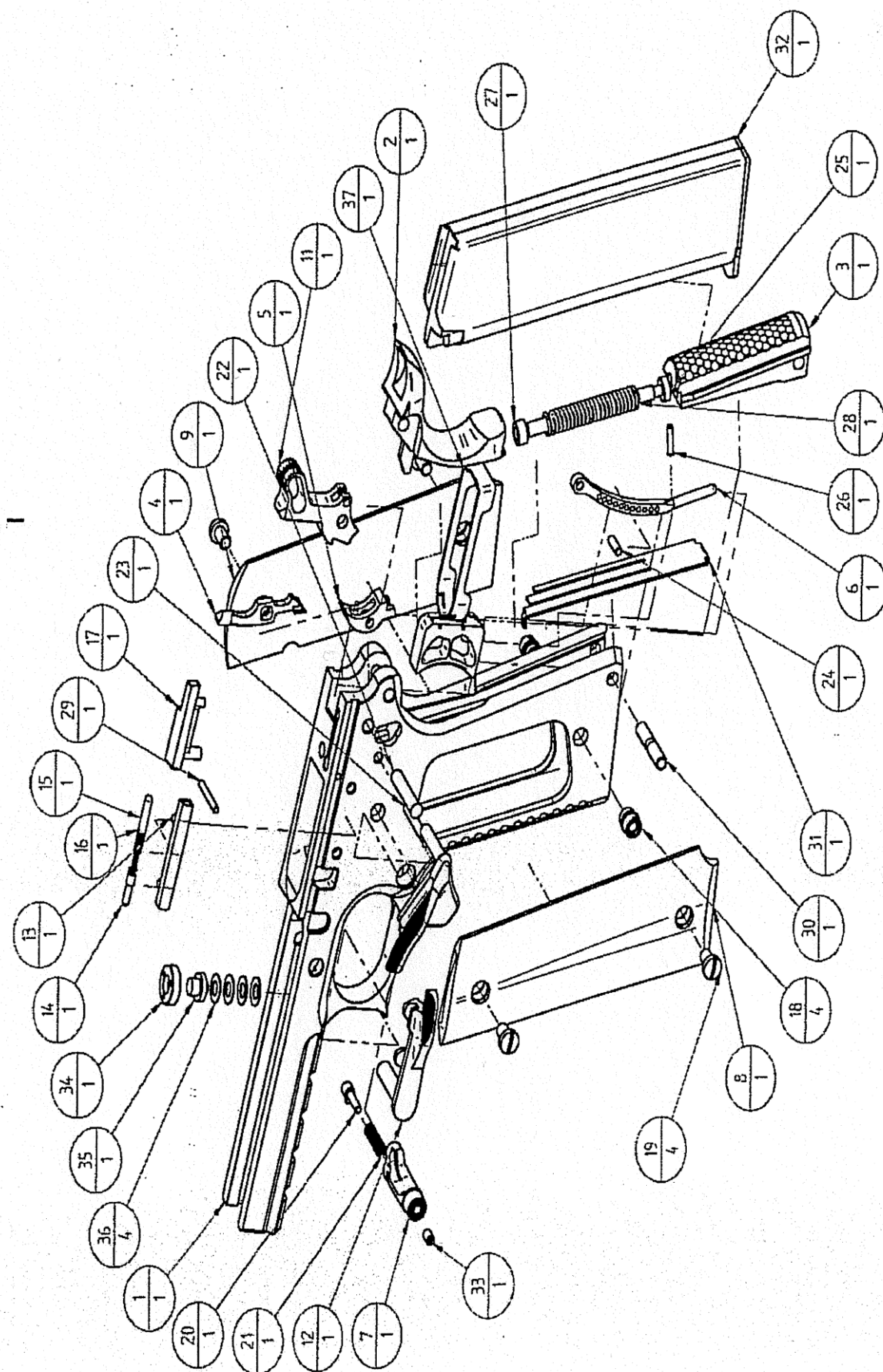


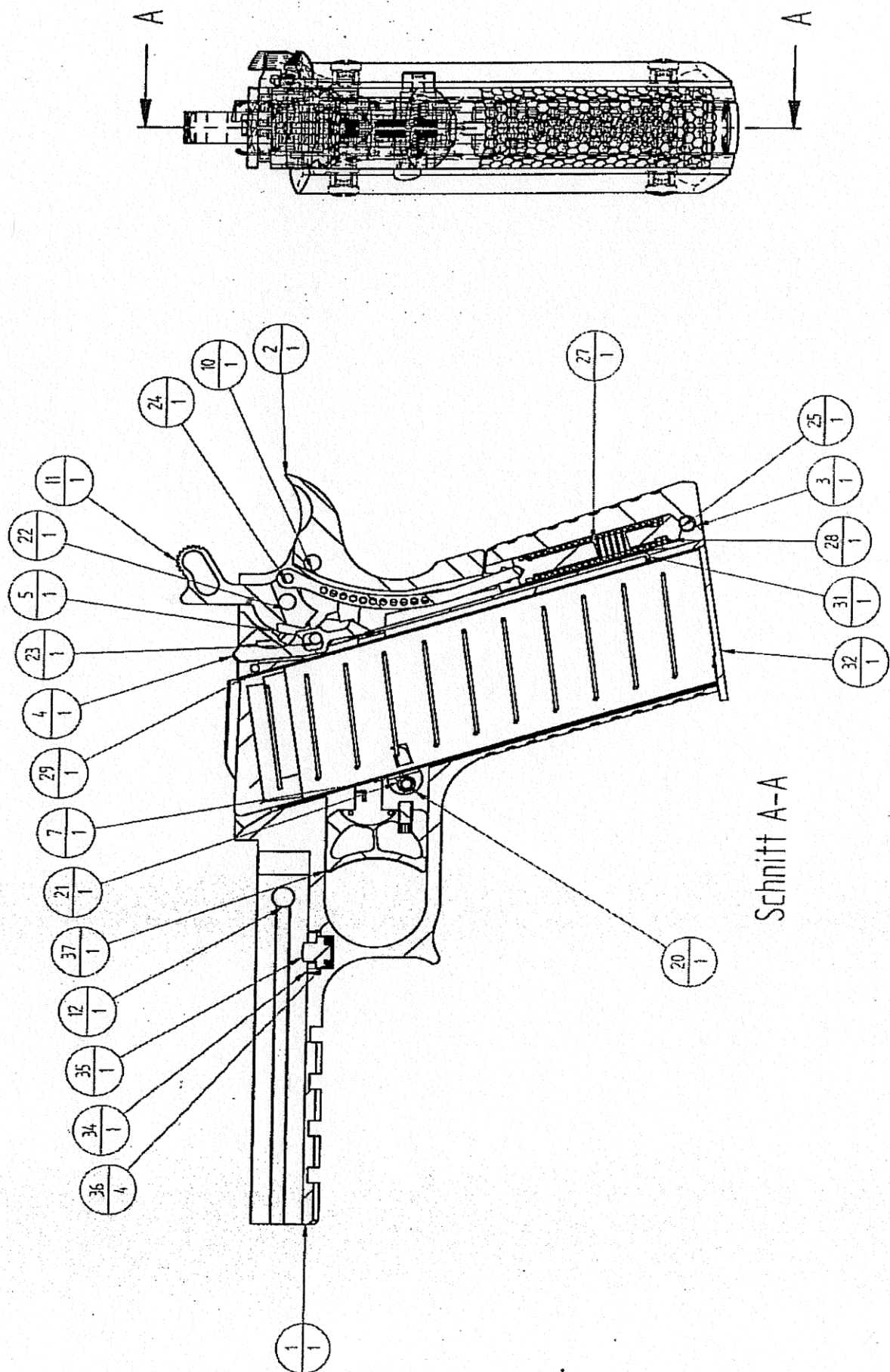
Pos.-Nr.	Dokument-Nr.	Titel	Anzahl
1	10-2-3002	Bolt Carrier	1
2	10-2-3005	Bolt Catch	1
3	10-2-3010	Bolt Catch Spring	1
4	10-2-3023	Bolt Catch Pin 3x12 ISO 8734	1
5	10-2-3011	Bolt Pusher	1
6	10-2-3012	Bolt Pusher Spring	1
7	10-2-3030	Locking Pin Right	1
8	10-2-3022	Bolt Pusher Pin 2x10 ISO 8734	1

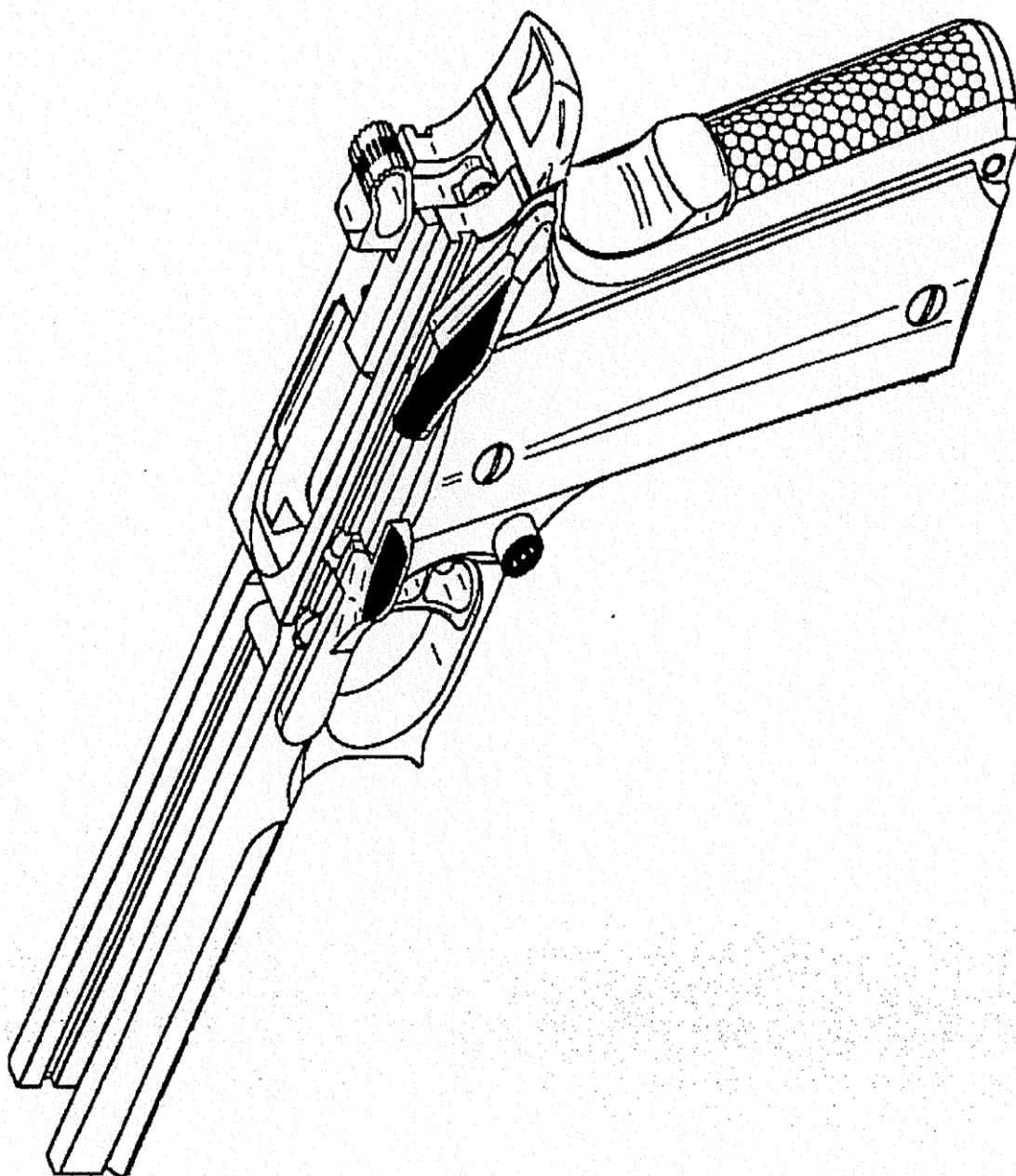


Pos.-Nr.	Dokument-Nr.	Titel	Anzahl
1	10-2-3000	Bolt Head cal 45	1
2	10-2-3007	Extractor _cal45	1
3	10-2-3121	Bolt Roll Screw M2,5x8 DIN 915	2
4	10-2-3004	Bolt Roll	2
5	10-2-3009	Extractor Pin DIN 8734	1
6	10-2-3008	Extractor Spring	1

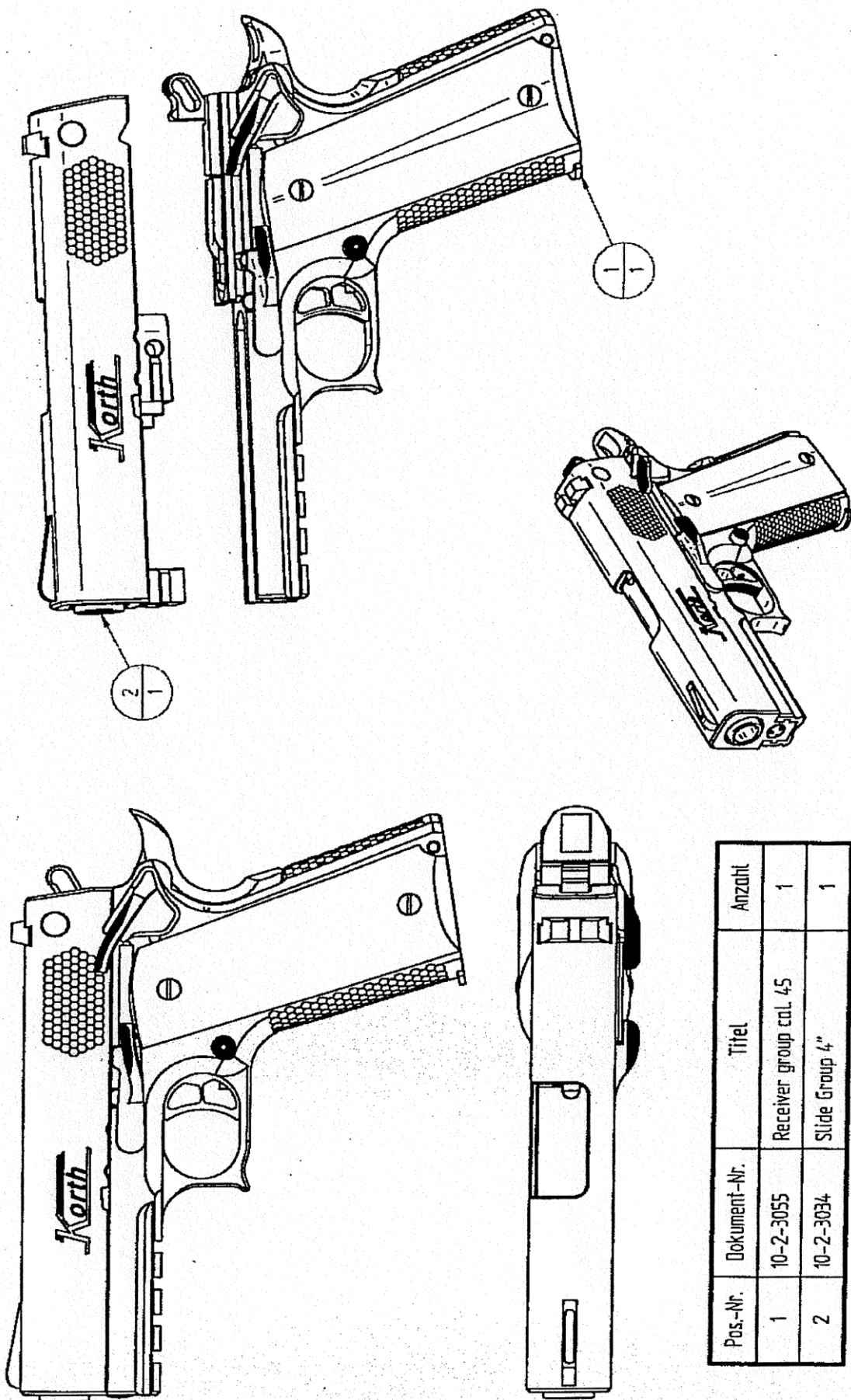








Pos.-Nr.	Dokument-Nr.	Titel	Anzahl	Pos.-Nr.	Dokument-Nr.	Titel	Anzahl
1	10-2-3036	Frame Pistol PRS DS	1	21	10-2-3060	Magazin Catch Spring	1
2	10-2-3037	Grip Safety	1	22	10-2-3061	Hammer Pin	1
3	10-2-3038	Main Spring Housing	1	23	10-2-3062	Sear Pin	1
4	10-2-3040	Disconnecter	1	24	10-2-3063	Hammer Strut Pin	1
5	10-2-3041	Sear	1	25	10-2-3064	Main Spring Housing Pin Retainer	1
6	10-2-3043	Hammer Strut	1	26	10-2-3065	Main Spring Cap Pin	1
7	10-2-3044	Magazin Catch	1	27	10-2-3066	Main Spring Cap	1
8	10-2-3047	Grip Left	1	28	10-2-3067	Main Spring	1
9	10-2-3048	Grip Right	1	29	10-2-3068	Ejector Pin 2x18 ISO 8734	1
10	10-2-3049	Safety Lock Thumb	1	30	10-2-3069	Main Spring Housing Pin	1
11	10-2-3050	Hammer	1	31	10-2-3070	Sear Spring	1
12	10-2-3051	Slide Release	1	32	10-2-3071	Magazin Assembly	1
13	10-2-3052	Plunger Tube	1	33	11-01-0456	M3x4	1
14	10-2-3053	Slide Stop Plunger	1	34	10-2-3107	Pressure Ring Receiver	1
15	10-2-3054	Safety Lock Plunger	1	35	10-2-3106	Pressure Bolt Receiver	1
16	10-2-3055	Plunger Spring	1	36	10-2-3117	Plate Spring DIN 2093-A8	4
17	10-2-3056	Ejector	1	37	10-2-3119	Trigger asm	1
18	10-2-3057	Stock Screw Bushing	4				
19	10-2-3058	Stock Screw	4				
20	10-2-3059	Magazin Catch Lock	1				



Pos.-Nr.	Dokument-Nr.	Titel	Anzahl
1	10-2-3055	Receiver group cal. 45	1
2	10-2-3034	Slide Group 4"	1



Quality made in Germany

PTW Korth Germany GmbH

Justus-Kilian-Strasse 3

D-35457 LOLLAR

Germany

Phone: 0049 6406 830020

FAX: 0049 6406 83002999

Email: sales@kortharms.com

www.kortharms.com