KERNLOCHBOHRER®
PROFESSIONAL POWER TOOLS

Operating instructions

Core drilling rig
IDS252/V-PRO

BA-01-000015-00-EN

Scope

These operating instructions apply only to the device specified on the cover page.

Check the model on the device's type plate.

Original manual / Translation of the original manual

The English version of this operating manual is the original manual in accordance with the EU Machinery Directive.

Copies in other languages are translations of the original manual.

Kernlochbohrer GmbH

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1 Information and support

1.1 Thanks to the buyer

Thank you for purchasing a device from Kernlochbohrer GmbH.

Please read the operating instructions carefully and observe the safety instructions. By following the operating instructions, you will be able to take full advantage of the outstanding performance of our product.

If you have any questions about operating the device, please contact Kernlochbohrer GmbH directly. We are available to answer your questions at any time.

1.2 Use of the operating instructions

The device is intended for professional use and may only be operated by trained personnel. Strictly adhere to the instructions in the operating instructions.

Our company accepts no responsibility for any injuries or damage to property resulting from failure to observe the operating instructions.

The operating instructions are essential for the use of the device. The operating instructions must therefore always be kept near the device and be accessible to the designated personnel at all times.

In addition to the operating instructions, the generally applicable and local regulations on accident prevention and environmental protection must be provided; compliance with these regulations must be checked regularly.

1.3 Changes

Kernlochbohrer GmbH reserves the right to change the design and appearance of the products and their operating instructions. Future changes to the operating instructions will be made without prior notice.

1.4 Explanation of symbols

This symbol indicates hazards that you must be aware of when performing the following tasks in order to avoid injury to yourself, other persons or damage to property.

📖 Cross-reference to another section in the operating instructions.

☑ Prerequisite for an action.

☒ Action to be performed.

↳ Behaviour of the device that can be expected as a result of the preceding action.

ⓘ Background information or reference to special features.

1.5 Warranty

In accordance with the general terms and conditions of delivery of Kernlochbohrer GmbH, a warranty period of 12 months applies to material defects in business transactions with companies (proof by invoice or delivery note).

Damage attributable to natural wear and tear, overloading or improper handling is excluded from this warranty.

Damage caused by material or manufacturing defects will be repaired or replaced free of charge. Complaints can only be accepted if the device is sent to Kernlochbohrer GmbH without being dismantled.

Wear parts are excluded from the warranty.

1.6 Environmental protection

1.6.1 Disposal of the product

Follow national regulations on environmentally friendly disposal and recycling of end-of-life devices and accessories.

1.6.2 Disposal of packaging

The packaging is made from recyclable materials. It must be disposed of in accordance with your local regulations.

1.7 Service

Precise information and specific questions enable faults to be rectified quickly, facilitate the ordering of spare parts and prevent incorrect deliveries.

Before contacting the service department, please collect the following information.

The model name must be provided for all enquiries and orders. This information can be found on the device's type plate.

In the event of malfunctions, further information is required:
Type and extent of the fault, accompanying circumstances, suspected cause.

The following information is required for spare parts orders:
Quantity and item number in the exploded view drawing in this operating manual or article number (if known).

ⓘ You are welcome to send us photos when ordering spare parts or videos in the event of malfunctions.

Contact details:

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2 Security

2.1 General

The device has been constructed in accordance with the latest technology and in compliance with applicable laws, standards and safety regulations. Nevertheless, use of the device may pose a risk to the user or third parties and may result in damage to the device and other property.

The device may only be used in perfect condition, for its intended purpose and in a safe and hazard-conscious manner.

In the event of damage or malfunction, immediately take the device out of service, secure it against use and repair it or arrange for it to be repaired.

2.2 Intended use

The device is intended exclusively for drilling concrete, reinforced concrete, stone, masonry and similar materials using a suitable core drilling device.

The device may only be used within the limits of its technical data. This information, for example performance data and environmental conditions, can be found in the "Technical Data" chapter.

Any other use or use beyond these limits is considered improper – risk of accident! Kernlochbohrer GmbH is not liable for any damage resulting from this. The risk is borne solely by the operator.

Proper use also includes observing the operating instructions and adhering to the prescribed maintenance intervals.

2.3 Safety regulations for the operator

2.3.1 Organisational safety measures

The operating instructions must be available to operating and maintenance personnel at all times. They must therefore always be kept at the place of use of the device.

The accident prevention and environmental protection regulations applicable at the place of use of the device must also be available. The operator of the device must regularly check compliance with these regulations.

The device must not be operated in potentially explosive areas or in the vicinity of flammable liquids or gases or combustible dust.

All safety and hazard warnings on the device must be legible and must not be removed.

The protective equipment required for operating the device must be provided by the operator. The operator must ensure that the protective equipment is used properly by the personnel.

Operating and auxiliary materials, such as lubricants or cleaning agents, must be selected in such a way that the limit values for hazardous substances applicable at the place of use are complied with. The regulations for environmental protection and disposal applicable at the place of use must be observed.

2.3.2 Modifications to the device

The operator may not make any modifications to the device without the written approval of Kernlochbohrer GmbH. If the operator makes modifications without approval, the warranty shall be void. Kernlochbohrer GmbH shall not be liable for damage caused by unauthorised modifications.

2.3.3 Spare parts

Spare parts must comply with the specifications defined by Kernlochbohrer GmbH. This is always guaranteed for spare parts supplied by Kernlochbohrer GmbH. Kernlochbohrer GmbH is not liable for damage caused by the use of unsuitable spare parts.

2.3.4 Personnel

All persons assigned to the commissioning, operation and maintenance of the device must have read and understood the operating instructions beforehand.

The device may only be operated by persons who have been adequately trained beforehand.

Maintenance of the device may only be carried out by persons who have completed specialist training appropriate to this activity.

Minors are not permitted to work with the device. Young people over the age of 16 who are being trained under supervision are exempt from this rule.

2.4 Safety regulations for personnel

2.4.1 Safe behaviour

All persons responsible for commissioning, operating and maintaining the device must have read and understood the operating instructions beforehand.

The device may only be operated by persons who have been adequately instructed beforehand.

Maintenance of the device may only be carried out by persons who have completed specialist training appropriate to this activity.

Minors are not permitted to work with the device. Young people over the age of 16 who are being trained under supervision are exempt from this rule.

Any working method on and with the device that compromises safety must be avoided.

All safety and hazard warnings on the device must be legible and must not be removed.

2.4.2 Safe operation

Operation of the device requires the full concentration and performance of the personnel. Persons who are overtired, unfocused or under the influence of alcohol, drugs or medication must not work on or with the device.

Persons who are not directly involved in operating the device must maintain a sufficient safety distance from it.

Check that the device is in perfect condition before use. If the device is damaged, it must not be used. In this case, secure the device against use and repair it or arrange for it to be repaired.

To avoid compromising the functionality and safety of the device, covers or other components of the device must not be removed.

Controls must not be operated carelessly or deliberately. This could result in personal injury or damage to the device.

When using the device, personnel must ensure that they are standing securely and maintaining an ergonomic posture.

The device must not be left unattended during use.

Never immerse the device in water.

The device must be cleaned regularly to prevent dirt from accumulating. All controls and handles must be kept clean, dry and free of grease.

When not in use, the device must be stored in such a way that no one is endangered. Secure the device against unauthorised use.

2.4.3 Protective equipment

Wearing protective equipment reduces the risk of injury:

- Safety shoes with non-slip soles and toe caps
- Cut-resistant and non-slip gloves
- Safety goggles in accordance with standard EN 166 or face protection
- Safety helmet

If the noise emissions generated when using the device exceed the limit values applicable to this workplace, suitable hearing protection must be worn.

Loose-fitting clothing, long hair or body jewellery can get caught in moving parts of the device!

Persons carrying out maintenance work on the device are obliged to wear suitable protective equipment that is necessary for this activity.

2.5 Safety during maintenance

2.5.1 General

Maintenance of the device may only be carried out by persons who have completed specialist training appropriate to this activity.

The maintenance activities and intervals specified in the operating instructions must be observed.

Workshop equipment appropriate to the type of activity is required to carry out maintenance work.

The following safety precautions must be taken before starting maintenance work:

- Position the device so that the area to be worked on is easily accessible.
- Set the device to the appropriate operating mode.

After completing maintenance work:

- Reassemble the device completely.
- If control elements or safety devices have been removed, they must be re-installed and their function checked.

Persons carrying out maintenance work on the device are required to wear suitable protective equipment necessary for this activity.

2.5.2 Cleaning

No corrosive, hazardous or environmentally harmful substances may be used to clean the device. Dispose of cleaning agents in an environmentally friendly manner.

Under no circumstances may high-pressure cleaners, water jets or compressed air be used to clean the device.

3 Technical

Item number		6190
Core drilling machine attachment		Clamp holder Ø 60 mm
Maximum drilling diameter - screw fastening		252 mm
Maximum drilling diameter - vacuum mounting		
	Floor	202 mm
	Wall	152 mm
Maximum feed length		580 mm
Adjustable drilling angle		0 to 45 degrees
Length		920 mm
Width		500 mm
Depth		200 mm
Cross-section of guide stand		40 x 40 mm
Weight		16.8 kg
Permissible ambient temperature		5°C to 40°C
Permissible relative humidity		30% to 80%
Compatible core drilling machine		Kernlochbohrer Item no. 6196① or Item no. 6199② or ③

① Soft-impact core drilling machine SID202/P-PRO

② Soft-impact core drilling machine SID202/H-PRO (or DKS-162/DC-H)

③ Other core drilling machine with clamping neck Ø 60 mm.

4 Device description

4.1 Device components

Core driling rig with vacuum adapter in base plate

1 Locking lever of the feed carriage
2 Fixed rollers of the feed carriage (4 pieces)
3 Spirit level
4 Locking screw for the clamp holder
5 Clamp holder
6 Pressure gauge
7 Vacuum adapter plate
8 Clamping screw (2 pieces) for the guide rail for the drill bit
9 Guide bar for drill bit
10 Feed lever (attached to the gear shaft for feed)
11 Feed carriage
12 Adjustable rollers on the feed carriage (4 pieces)
13 Clamping of the angle adjustment
14 Guide stand with rack
15 Clamping screw for base plate-guide stand
16 Hose connection
17 Ventilation valve
18 Base plate
19 Levelling screws with lock nuts (4 pieces)

Base plate of the core drilling rig secured with cord threaded rod and wing nut

4.2 Scope of delivery

The scope of delivery of the device includes the following components:

- Core drilling rig
- Vacuum adapter plate and vacuum adapter seal
- Clamp holder (Ø 60 mm)
- Feed lever
- Double open-end wrench SW 17 and SW 19
- Hex key SW 5
- Operating instructions

ⓘ The accessories required to use the device, such as mounting kits, etc., must be purchased separately.

Kernlochbohrer GmbH offers a comprehensive range of tools and accessories for the device. For information and ordering, please visit the online shop at http://www.kernlochbohrer.com.

5 Use of the device

5.1 Specific precautions

ⓘ In these operating instructions, the term "drilling system" is used to refer to a core drilling rig on which a core drilling machine is mounted.

Before mounting the core drilling machine on the core drilling rig, ensure that the core drilling rig is properly secured.

The core drilling rig must be secured to a level and solid surface. Drilling with a loose or wobbly core drilling rig can lead to dangerous situations.

The core drilling rig may only be used for wall or floor drilling by means of vacuum attachment.

Vacuum attachment of the core drilling rig to the ceiling is prohibited, as failure of the attachment could result in death or serious injury to the persons involved.

When using the drilling system to drill vertically upwards using the wet drilling method, a functional water collection ring must be used on the core drilling machine. No water must be allowed to enter the core drilling machine.

Before starting the drilling process, the intended exit point of the drill bit must be inspected. The exit point must be secured and cordoned off. It must be ensured that the exiting drill bit does not cause injury to persons or damage to property.

5.2 Visual inspection

Before working with the core drilling rig, a visual inspection must be carried out on it:

- Check the general condition and cleanliness.
- Check that all covers and components are present.
- Check that all screws are tight.
- Feed carriage secured.
  📖 See chapter 5.3 "Secure feed slide on guide stand".

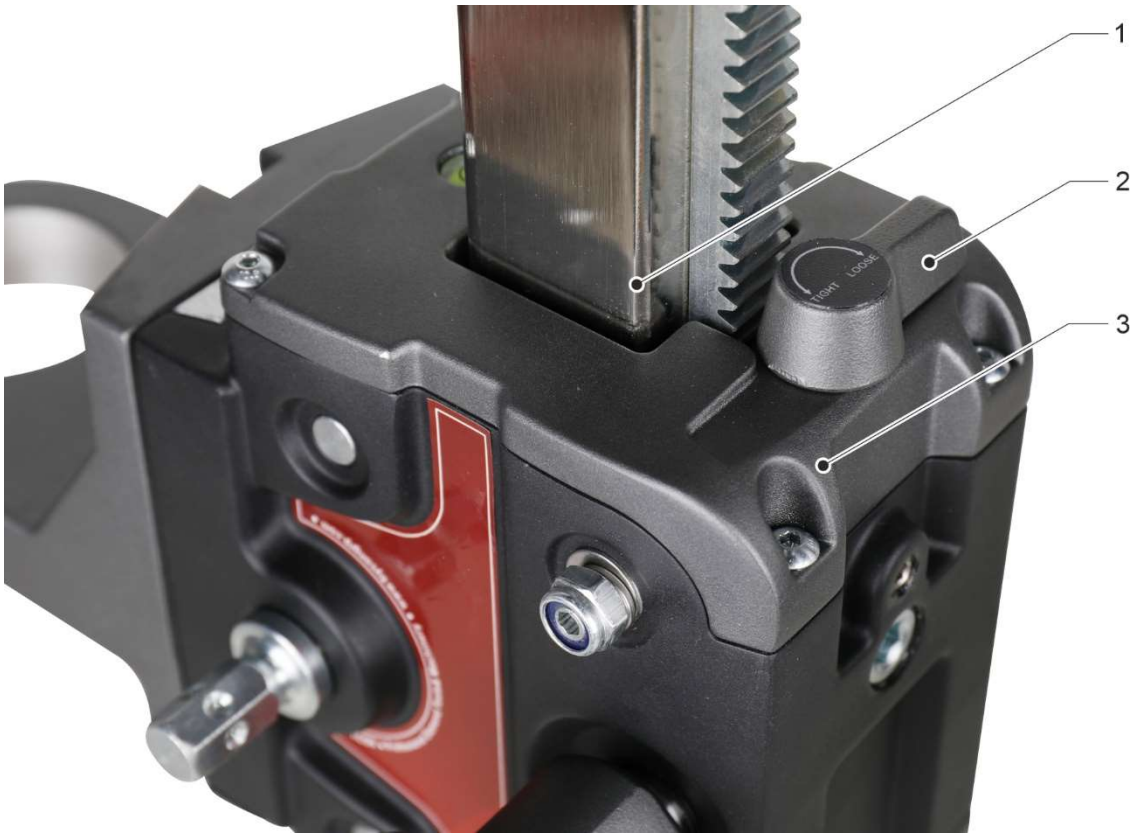
5.3 Secure feed slide on guide stand

Danger due to unintentional movement of the feed carriage!

The feed carriage must always be secured against unwanted movement (locking lever in the "Tight" position).

If the feed carriage is released (locking lever in the "Loose" position), the feed carriage can move downwards uncontrollably due to gravity and cause injury or damage to property.

Before releasing the feed slide: Hold the feed slide and core drilling machine in place and secure them against sinking!



Securing the feed carriage on the guide stand

1 Guide stand
2 Locking lever
3 Feed carriage

The locking lever can be used to secure the feed carriage on the guide stand against adjustment. This is done by means of a locking knob that engages with the teeth of the worm gear, thus preventing adjustment.

If the locking lever is in the "Loose" position, the feed carriage can be moved using the feed lever.

If the locking lever is in the "Tight" position, the feed carriage is braked. This prevents the feed carriage and the mounted core drilling device from sinking under gravity, even when the guide stand is in a vertical position.

If the locking lever is in the "Tight" position, the feed carriage must not be moved using the feed lever!

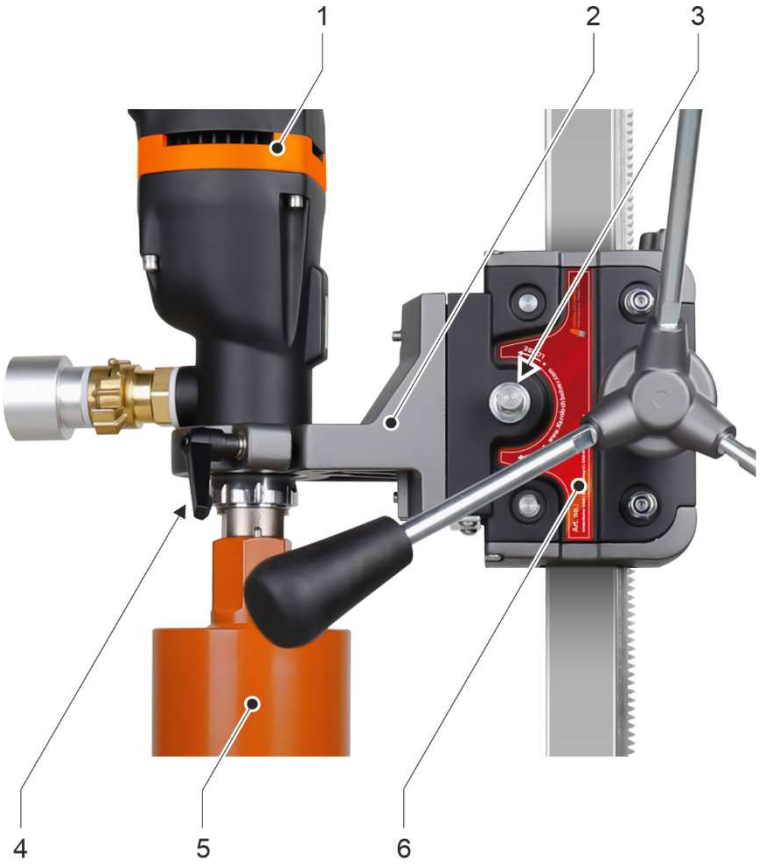
This would damage the locking mechanism and the rack on the guide stand.

5.4 Attaching the clamp holder to the feed carriage

Danger due to unwanted movement of the feed carriage due to gravity!

The feed carriage must always be secured against unwanted movement.

📖 See chapter 5.3 "Secure feed slide on guide stand".



Core drilling machine attached to core drilling rig with clamp holder

1 Core drilling machine
2 Clamp holder
3 Locking screw
4 Clamping screw
5 Drill bit
6 Feed carriage

Procedure:

☒ Unscrew the locking screw of the clamp holder until the clamp holder can be inserted into the holder on the feed carriage of the core drilling rig.

☒ Insert the clamp holder into the receptacle on the feed carriage and secure it with the locking screw.

☒ Check that the clamp holder is securely fastened to the feed carriage.

5.5 Secure the core drilling rig

The core drilling rig must be securely fastened in the desired position!

If the core drilling rig is to be secured to the wall or ceiling, this task must be carried out by two people.

Danger due to unwanted movement of the feed carriage caused by gravity!

The feed carriage must always be secured against unwanted movement.

📖 See chapter 5.3 "Secure feed slide on guide stand".

Attaching the core drilling rig to the ceiling poses particular risks due to gravity!

ⓘ For ceiling drilling, Kernlochbohrer GmbH recommends using the TBS3000/PRO telescopic drill stand.

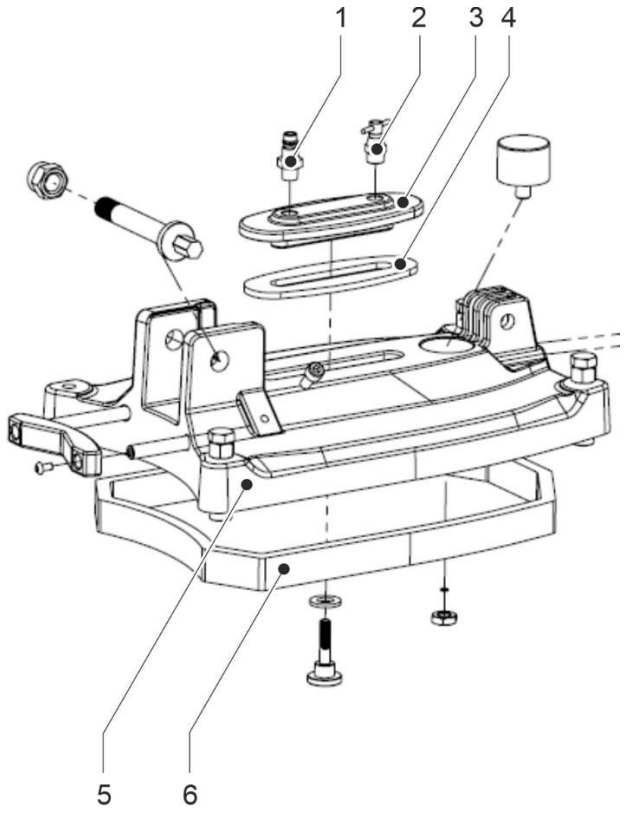
5.5.1 Fastening by screwing

Tools:

- Hammer drill and appropriate drill bit
- Fastening set: metal dowels and threaded rod or cord threaded rod and wing nut

ⓘ A special masonry anchor must be used for brick walls. Using a concrete drive-in anchor on a brick wall could cause the bricks to break and the anchor to become loose!

Procedure:



Prepare the core drilling rig for fastening by screwing it tight

1 Hose connection
2 Ventilation valve
3 Vacuum adapter plate
4 Vacuum adapter seal
5 Base plate
6 Vacuum seal

☒ Remove the vacuum seal [6] from the underside of the base plate [5].

☒ Remove the vacuum adapters [1-4] from the base plate.

☒ Loosen the lock nuts on the levelling screws and turn the levelling screws all the way back.

☒ Drill a mounting hole of a suitable size using a hammer drill.

☒ To fasten the core drilling rig, place the groove of the base plate over the threaded rod or screw of the fastening set and secure the core drilling rig with the nut of the fastening set.

5.5.2 Fastening by vacuum

The maximum drilling diameter for vacuum fastening is:
202 mm for floor mounting
152 mm for wall mounting

The core drilling rig may only be used for wall or floor drilling when secured by vacuum.

Vacuum mounting of the core drilling rig to the ceiling is prohibited, as failure of the mounting could result in death or serious injury to the persons involved.

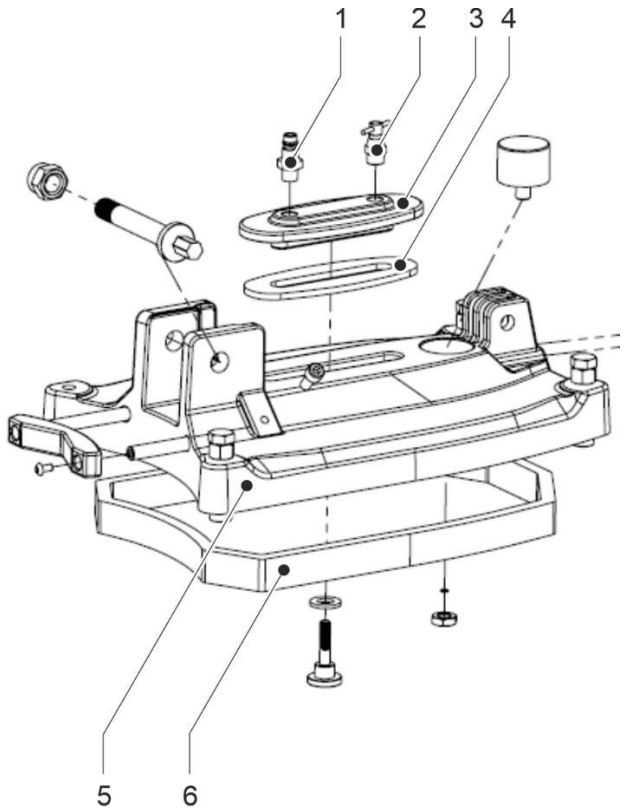
It must be ensured that the mounting surface is level and stable enough!

If wall or floor tiles are used as the mounting surface, they must adhere securely to the substrate!

Aids:

Operational vacuum pump with vacuum hose

Procedure:



Prepare the core drilling rig for attachment by vacuum

1 Hose connection
2 Ventilation valve
3 Vacuum adapter plate
4 Vacuum adapter seal
5 Base plate
6 Vacuum seal

☒ Check the vacuum seal [6] for wear and damage.

The core drilling rig must not be used with a damaged vacuum seal! If necessary, replace the vacuum seal or have it replaced.

☒ Insert the vacuum seal into the groove in the base plate [5].

☒ Insert the vacuum adapter [1-3] with the vacuum adapter seal [4] into the groove on the top of the base plate.

☒ Close the ventilation valve of the vacuum adapter.

☒ Connect the vacuum hose of the vacuum pump to the hose connection of the vacuum adapter.

☒ Position the base plate at the drilling site.

For wall mounting: Hold the vacuum base plate firmly in place.

Ensure that the vacuum seal is in full contact with the surface.

☒ Switch on the vacuum pump.

↳ The negative pressure generated by the vacuum pump pulls the base plate onto the mounting surface.

The vacuum pump must not be switched off during further work!

☒ Observe the increase in negative pressure on the pressure gauge.

When the vacuum has reached the minimum value of 0.7 bar:
Check that the core drilling rig is securely fastened to the mounting surface.

ⓘ Conversion of the various pressure units:
1 bar = 0.1 MPa = 100 kPa

5.6 Attach the core drilling machine to the core drilling rig

Requirements:

☑ Visual inspection of the core drilling rig carried out.

☑ Clamp holder attached to the core drilling rig.

☑ Core drilling rig securely fastened.

☑ Power cable of the core drilling machine not connected to the power supply.

Procedure:

Danger due to unwanted movement of the feed carriage caused by gravity!

The feed carriage must always be secured against unwanted movement.

📖 See chapter 5.3 "Secure feed slide on guide stand".

☒ Move the feed carriage to an upper or rear position so that there is sufficient space for mounting the core drilling device.

☒ Secure the feed carriage with a safety device to prevent unwanted movement.

☒ Loosen the clamping screw on the clamp holder.

☒ Insert the clamping neck of the core drilling device into the clamp holder and secure it with the clamping screw.

☒ Check that the core drilling device is securely attached to the core drilling rig.

☒ Attach the drill bit to the core drilling machine.

5.7 Align the drilling system

Adjust the drilling position:

ⓘ It may be necessary to loosen the fastening of the core drilling rig slightly in order to adjust the drilling position (only if the core drilling rig is fastened with screws).

Do not loosen the fastening of the core drilling rig too much, otherwise the core drilling rig could fall down!

To move the drilling system into the correct drilling position:

- Loosen the lock nuts on the four levelling screws.
- Adjust the position of the core drilling rig by turning the levelling screws. The levelling can be checked using the two spirit levels on the guide carriage.
- Tighten all lock nuts on the levelling screws.
- Check again that the core drilling rig is securely fastened.

Adjust the drilling angle:

- Loosen the clamping screw on the base plate guide stand and the angle adjustment clamp.
- Set the desired drilling angle of the core drilling rig.
- Tighten the clamping screw on the base plate guide stand and the angle adjustment clamp.

Do not tighten the angle adjustment clamp too much, as this may deform the diagonal support tubes.

ⓘ Our positioning laser can be used to ensure perfect alignment of the drilling system, especially for inclined drill holes or wall penetrations for pipes.

For further information and to place an order, please visit our online shop at http://www.kernlochbohrer.com.

5.8 Using the drilling system

ⓘ The force required for the feed movement of the core drilling device is applied by manually turning the feed lever on the toothed shaft engaged in the rack.

ⓘ The feed lever can be attached to the gear shaft on either side of the feed carriage.

If the locking lever is in the "Tight" position, the feed carriage must not be moved using the feed lever!

This would damage the locking mechanism and the rack on the guide stand.

Requirements:

☑ Visual inspection of the drilling system carried out.

☑ Core drilling rig securely fastened.

☑ Core drilling machine attached to the core drilling rig.

☑ Drilling system aligned.

📖 For detailed information on using the core drilling machine, see the core drilling machine operating instructions.

Procedure:

Danger due to unwanted movement of the feed carriage caused by gravity!

The feed carriage must always be secured against unwanted movement.

📖 See chapter 5.3 "Secure feed slide on guide stand".

☒ Before starting the drilling process, check once again that the drilling system is securely fastened.

If undefined movements of the core drilling rig or the entire drilling system occur during the drilling process:
Stop drilling immediately and hold the drilling system in place!

Check the fastening of the core drilling rig.

If the core drilling rig cannot be securely fastened with the vacuum attachment, it must be screwed into place at the drilling site.

☒ Place the feed lever on the gear shaft.

☒ Adjust the adjustable guide bar for the drill bit:

- Hold the feed lever and release the feed carriage lock.
- By operating the feed lever, position the core drilling machine and the drill bit just above the surface to be drilled.
- Secure feed slide on guide stand .
- Loosen both clamping screws on the guide bar.
- Pull the guide bar out of the base plate until it rests against the outside of the drill bit without pressure.
- Tighten both clamping screws on the guide bar.

☒ Hold the feed lever and release the feed carriage lock.

☒ Start the feed of the core drilling machine by operating the feed lever.

☒ Once the drilling system has made a pilot hole in the surface, push the guide rail back into the base plate and secure it with the clamping screws.

5.9 Dismantle and store the core drilling rig

Procedure:

☑ Drilling process completed.

☑ Core drilling machine disconnected from the core drilling rig.

☑ Clamp holder disconnected from the core drilling rig.

☒ Dismantling the core drilling rig:

- Hold the core drilling rig and secure it against falling.
- Loosen the screw connection between the core drilling rig and the mounting surface.

  Or:

- Switch off the vacuum pump and open the ventilation valve in the base plate. Disconnect the vacuum hose from the hose connection on the vacuum adapter.

☒ Clean the core drilling rig and allow it to dry completely.

📖 See chapter 6.3.1 " Clean and inspect the core drilling rig".

☒ Store the core drilling rig vertically and secure it against falling over.

☒ Store the core drilling rig in a dry, cool place protected from moisture and direct sunlight.

☒ Secure the core drilling rig against unauthorised use.

6 Maintenance

6.1 Notes on proper maintenance

Inadequate or improper maintenance can cause malfunctions and impair the operational safety and service life of the device. Regular inspection and maintenance is therefore essential. We recommend that maintenance work only be carried out by trained personnel.

The contractually agreed warranty does not release the operator of the device from the obligation to maintain the device in accordance with the manufacturer's instructions from the time of commissioning. Kernlochbohrer GmbH is not liable for damage caused by lack of maintenance.

6.2 Maintenance and inspection schedule

The intervals specified refer to normal operating conditions. In difficult conditions (heavy dust accumulation, etc.) and longer daily working hours, the specified intervals must be shortened accordingly by the operator.

Use the maintenance and inspection schedule as a guide only! Be sure to note the cross-references to the other chapters! These describe in detail how to carry out the individual tasks correctly and safely.

Interval	Category	Component	Activity	Chapter
1 day	Real time	Core drilling rig	Cleaning and inspection	6.3.1

6.3 Inspection and maintenance

6.3.1 Clean and inspect the core drilling rig

Do not use sharp sponges or metal objects to clean the device. These could damage the surface of the device.

Do not use high-pressure cleaners, water jets or compressed air to clean the device. The sharp water or air jet could damage the device.

Do not use corrosive, hazardous or environmentally harmful substances to clean the device.

Danger due to unwanted movement of the feed carriage due to gravity!

The feed carriage must always be secured against unwanted movement.

📖 See chapter 5.3 "Secure feed slide on guide stand".

Interval:

1 day real time

Tools:

- Container with a mixture of water and mild detergent (e.g. washing-up liquid)
- Cloth and brush
- Water-resistant grease

Procedure:

☒ Clean the core drilling rig of dust and dirt.

Use a damp cloth dipped in water mixed with a mild cleaning agent.

☒ Dry the core drilling rig completely or allow it to dry.

☒ Check the function of the safety device on the feed carriage on the guide stand.

📖 See chapter 5.3 "Secure feed slide on guide stand".

If the feed carriage is locked, it must not be moved using the feed lever!

This would damage the safety device and the rack on the guide stand.

☒ Check the play of the feed carriage on the guide column:

To do this, release the feed carriage lock.

If the feed carriage has play on the guide stand, adjust the four adjustable rollers one after the other:

☒ Secure the eccentric shaft (item 51 in the spare parts drawing) against rotation using an Allen key.

☒ Tighten the hexagon nut (item 37 in the spare parts drawing) of the adjustable roller by turning it clockwise.

↳ The adjustable roller is back in contact with the running surface of the guide stand.

Then check the play of the feed carriage on the guide stand again.

If the play of the feed carriage cannot be sufficiently reduced by readjusting the adjustable rollers, the four rollers must be replaced.

☒ Check that all screws and nuts on the core drilling rig are tight. Tighten screws and nuts if necessary.

☒ Apply a thin layer of water-resistant grease to the guide stand rack.

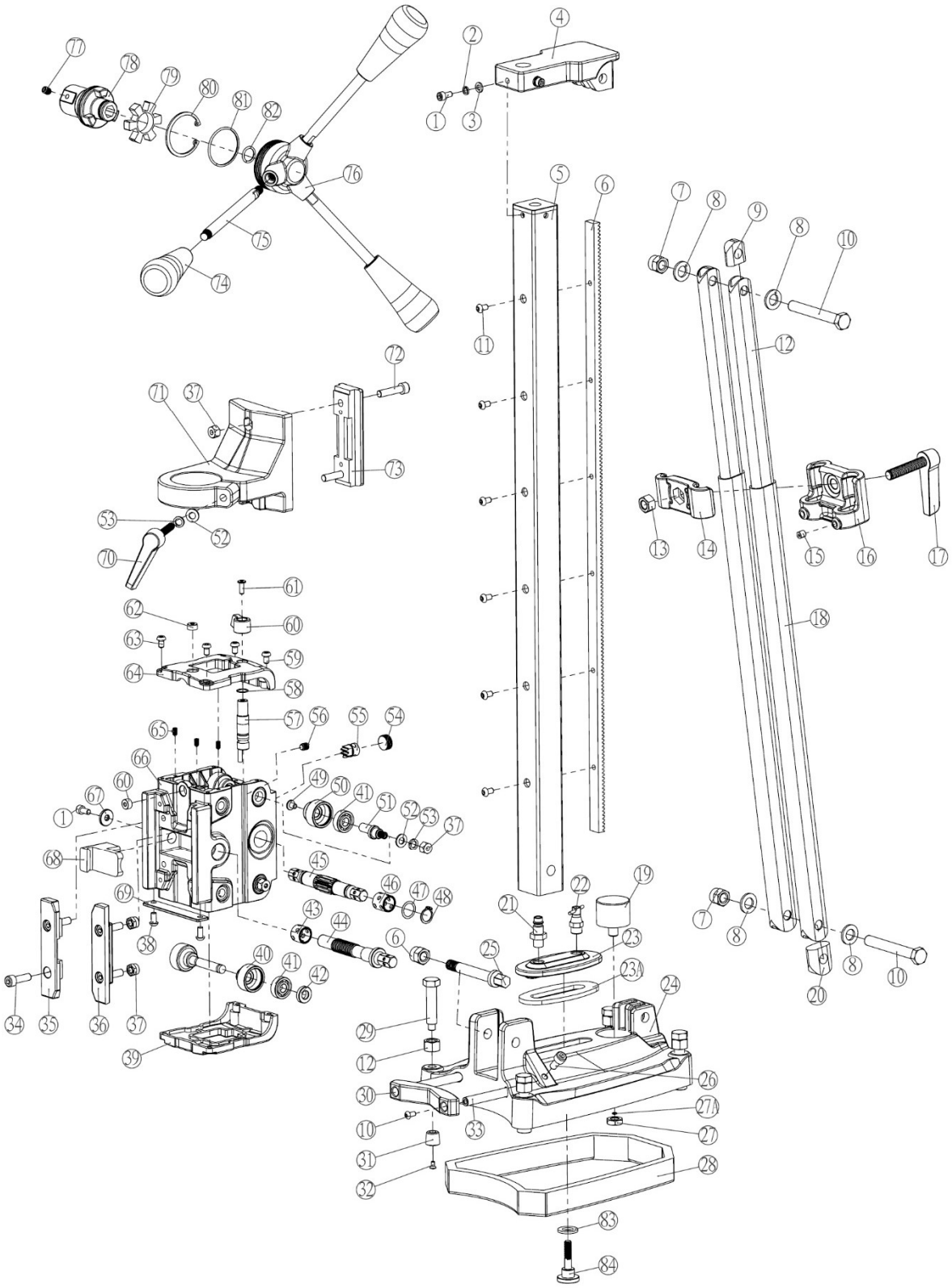
7 Troubleshooting

If a fault occurs during operation of the device, please first try to rectify the fault yourself using the following information.

If you are unable to rectify the fault yourself, please contact Kernlochbohrer GmbH.

Fault	Possible cause	Troubleshooting
Feed carriage wobbles	Wear	Readjust the adjustable rollers
Toothed shaft is stuck	Fixed rollers worn	Replace fixed rollers
Rack and pinion shaft can be turned freely	Rack and pinion worn	Replace gear shaft and rack
Safety device cannot secure feed carriage	Safety device defective	Replace safety device
After replacing all rollers, the movement of the feed slide is still unreliable	Guide stand worn	Replace guide stand
Angle adjustment cannot be tightened	Clamping screw on the support is too tight	Replace the support bracket on the rear of the feed carriage
Guide stand wobbles during drilling	Check the connection between the base plate and the guide post	Tighten the clamping screw.

8 Spare parts



Item	Item name	Qty
1	Hexagon socket screw M6x12	4
2	Spring washer Ø6	3
3	Washer Ø6xØ10x1	3
4	Upper cover	1
5	Guide stand 39.5x39.5x900	1
6	Rack	1
7	Self-locking nut M12	3
8	Washer Ø12xØ20x1	4
9	Aluminium tube support core 15x30	2
10	Hexagon screw M12x90	2
11	Round head screw M6x8	8
12	Aluminium tube 15x30x570	2
13	Hexagon nut M12	5
14	Clamping jaws	1
15	Flat head screw M8x8	2
16	Clamping piece	1
17	Clamping screw M12x40	1
18	Aluminium tube 21x36x585	2
19	Vacuum gauge	1
20	Aluminium tube support core 21x36	2
21	Hose connection	1
22	Ventilation valve	1
23	Vacuum adapter plate	1
23A	Vacuum adapter seal	1
24	Base plate	1
25	Lower screw Guide stand	1
26	Hexagon screw M8x16	2
27	Nut G1/8	1
27A	O-ring Ø6x1	1
28	Vacuum seal for base plate	1
29	Hexagon socket screw M12x55	4
30	Centring jaw	1
31	Foot piece	4
32	Flat head screw M4x8	4
3	Rod for centring	2
34	Hexagon socket screw M8x25	4
35	Left wedge	1
36	Right wedge	1
37	Self-locking nut M8	10
38	Hexagon screw M5x10	2
39	Lower cover	1
40	Positioning wheel	4
41	Deep groove ball bearing 6000-2RZ	8

Item	Item name	Qty
42	Positioning wheel disc	4
43	Graphite-copper bushing Ø15xØ20x20	1
44	Threaded clamping shaft	1
45	Spindle m=1.5 / z=11	1
46	Graphite-copper bushing Ø16x Ø20x20	2
47	Wave disc Ø16xØ21x0.3	2
48	Spline ring Ø16	2
49	Hexagon screw M6x8	4
50	Eccentric roller	4
51	Eccentric shaft	4
52	Washer Ø15xØ8.6x1	5
53	Spring washer Ø8	5
54	Sealing screw M18x1.5	1
55	Tooth piece	1
56	Threaded pin with ball M8x10	1
57	Locking spindle	1
58	O-ring Ø14x1	
59	Hexagon socket screw M6x12	4
60	Hexagon socket screw M6x10	4
61	Rotary knob	1
62	Hexagon socket screw M5x14	1
63	Spirit level	2
64	Upper cover	1
65	Top screw M5x10	6
66	Housing	1
67	Threaded locking spacer	1
68	Thread locking block	1
69	Sheet metal	1
70	Clamping screw M8x55	1
71	Clamp holder Ø60	1
72	Hexagon socket screw M8x35	2
73	Clamp holder holder	1
74	Feed handle	3
75	Connecting rod	3
76	Feed lever centre section	1
77	Screw M6x10	3
78	Plug	1
79	Rubber cushion	1
80	External retaining ring Ø50	1
81	O-ring Ø44x1.9	1
82	O-ring Ø23x2	1
83	Washer M16	1
84	Mounting screw for base plate	1

9 EU declaration of conformity

The manufacturer/distributor

Kernlochbohrer GmbH
Geigersbühlweg 52
72663 Großbettlingen
Germany

hereby declares that the following product

Product name:	**Core drilling rig**
Type:	**IDS252/V-PRO**

has been designed in accordance with Directive 2006/42/EU (for deliveries until 19 January 2027) or 2023/1230 (for deliveries from 20 January 2027).

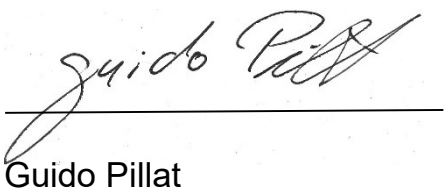
The core drilling machine to be operated with this core drilling rig must comply with the requirements described in the operating instructions for the core drilling rig (e.g. drilling diameter, machine mount).

The drilling system must not be put into operation until it has been established that the core drilling machine to be connected to the core drilling rig complies with the provisions of Directive 2006/42/EU or 2023/1230 (indicated by the CE mark on the core drilling machine).

Name and address of the person authorised to compile the technical documentation:

Kernlochbohrer GmbH
Geigersbühlweg 52
72663 Großbettlingen
Germany

Großbettlingen 2025-11-11
Kernlochbohrer GmbH



Guido Pillat
Managing Director / Chief Executive Officer