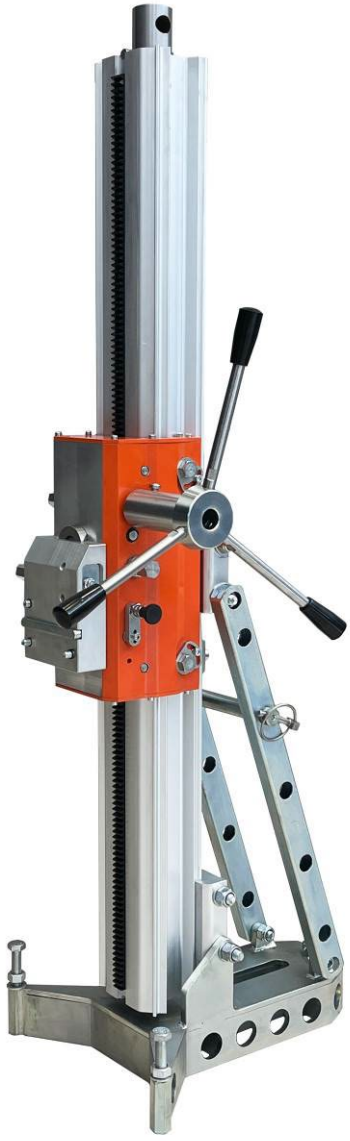
Translation of the Original Operating Manual

Drill-Rig RD500



Read operating manual before starting any work!
Keep the operating manual for future use!

CE

Revision			
Date	Chapter	Reason of changed	Person responsible
03-23		Reissue	Design

Revision status: 03.2023
Serial number:

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1 Inhalt

2 General

2.1 Operating manual

This operating manual provides guidance on safe and efficient operation and should form a basis of any actions involving the machine. It is an integral part of the machine, which should be kept in the immediate vicinity accessible for its operating personnel.

Prerequisite of safe operation is adherence to all safety and handling instructions.
Therefore, before starting any work, the personnel must read carefully and understand the operating manual.

Moreover, the accident prevention regulations applicable at the site of the machine operation and general safety regulations must be complied with.

2.2 Symbols, acronyms, terminology

Symbols, acronyms and specialist terminology used in this document have the following meaning:

- ▶ See item
- ▶ Enumeration
- ▶ Enumeration
- ▶ Position number
- ▶ Action step

Text in italics Explanation of facts

📖 Refers to the document contained in the enclosed documentation. The source of the document is specified in italics behind the symbol.

2.3 Explanation of symbols

Warnings and safety instructions

Warnings and safety instructions in the manual are identified with the pictograms and provided in blocks highlighted in grey.

Warnings and safety instructions, which draw attention to fundamental dangers, are additionally preluded by signal words, which specify the scope of damage. Their structure is as follows:

SIGNAL WORD!
Origin of the danger.
Consequences of ignoring the danger.
- Actions to avoid danger

- ▶ All warnings and safety instructions must be implicitly complied with!
- ▶ During the works, always act with caution, to avoid accidents, personal and material damage!

Pictograms combined with signal words mean:

DANGER!

... draws attention to an immediate danger that, if not avoided, may result in heavy or even fatal injuries.

WARNING:

... draws attention to potentially dangerous situations that, if not avoided, may cause heavy or even fatal injuries.

CAUTION!

... draws attention to potentially dangerous situations that, if not avoided, may result in slight injuries.

ATTENTION!

... draws attention to potentially dangerous situations that, if not avoided, may result in material damage.

Tips and recommendations

NOTE!

… highlights tips and recommendations as well as information on efficient and trouble-free operation.

Special safety instructions

To make aware of special dangers, the following pictograms are used in combination with the safety instructions:

… marks danger due to electric current.
Failure to observe the safety instructions leads to danger of heavy or fatal injuries.

… marks danger of crushing.
Failure to observe the safety instructions leads to danger of heavy injuries from moving parts.

… marks danger due to hot surface.
Failure to observe the safety instructions leads to danger of burns and heavy skin injuries caused by heat.

… marks danger from moving tools.
Failure to observe the safety instructions leads to danger of cuts and heavy skin injuries caused by rotating tools.

2.4 Liability limitation

All data and instructions provided in this manual were compiled with consideration of applicable standards and regulations, state of the art in this field and our long-standing insights and experience.

The manufacturer accepts no liability for damages caused by:

- Non-observance of the Operating manual
- Unintended use
- Employment of unskilled and uninstructed personnel
- Unauthorised conversions
- Technical changes
- Use of non-approved spare parts

The responsibilities agreed in the delivery contract, the General Terms and Conditions as well as the delivery conditions of the manufacturer and the statutory regulations valid at the time of the conclusion of the contract shall apply.

Warranty

The manufacturer guarantees the functional capability of the applied process technology and performance parameters identified.

The warranty period commences with the defect-free delivery.

Wear parts

Wear parts are all parts having direct contact with the processed or machined material during normal operation.

These parts are excluded from warranty and defect claims, insofar as tear and wear resulting from normal operation.

Service life warranty

Service life warranty is granted for wear parts for the period of 6 months from the acceptance of the defect-free product.

Warranty conditions

12 months after delivery of mechanical and electrical components for one-shift operation, except for the wear parts and tools.

The warranty claim expires, if the system was not installed and started up by our experts.

The warranty extends to the replacement parts.

Consequential damages are excluded.

Damage caused by natural wear, deficient of improper maintenance, failure to comply with the operating regulations, excessive loads and use of inappropriate equipment shall be excluded from the warranty.

2.5 Customer service

Our customer service department is available to provide technical information.

Service-Hotline
02482 – 12 200

You can obtain tips via the regional competent contact person by phone or via fax, email or website at any time.

Moreover, our employees are interested in new information and experience arising from use and which can be valuable for the improvement of our products.

2.6 Copyright

3 Safety

This section provides an overview of all safety aspects of protection of operators and users from potential dangers, and safe and trouble-free operation.
Disregarding these handling instructions, warnings and safety instructions may pose serious risks.

3.1 Intended use

The Drill-Rig RD 500 is designed exclusively for the following purposes in the commercial sector:

The Drill-Rig RD 500

- is intended for stand-guided core drilling of the solid construction materials such as: reinforced concrete, concrete, artificial stones and masonry with a diamond drill engine and diamond drill bit.

WARNING:
Risk of unintended use!

Any use beyond the intended use of the machine may result in dangerous situations.

- The machine must be basically used for the intended purpose according to data contained in this document, in particular, within the application limits provided in the technical data.
- Refrain from any use beyond this scope or different use of the machine.
- Refrain from remodelling, refitting or changing the design or separate parts of the machine for the purpose of changing the field of application or applicability of the machine.

- Any claims for damages resulting from unintended use are excluded.
- The operator alone is responsible for all damages due to unintended use.

3.2 Rationally foreseeable misuse

WARNING:
Risk of injury caused by misuse!

When misused, the machine may create dangerous situations for persons and cause heavy material damage.

- Refrain from any misuse of the machine.

Any use of the machine going beyond the intended one, shall be deemed unintended and thus prohibited.

This also applies to:

- the drilling of unauthorised construction materials, e.g., timber, metals, plastics
- the drilling any materials other than presented
- Drilling in hand-held operation
- operation with mains voltage and frequencies not listed in the operating manual of the core drilling motor

3.3 Responsibilities of the operator

Operator

An operator is every natural or legal person, who uses the machine or delegates its use to others and is responsible for the safety of the user, personnel or third parties in the course of such use.

Operator's duties

The machine is used in the commercial sector. Therefore, the operator of the machine is subject to statutory obligations regarding occupational safety.

In addition to the warnings and safety instructions in this manual, the occupational safety, accident prevention and environmental protection regulations applicable to the field of the machine operation must be adhered to.

The operator, in particular, must:

- be informed about current occupational safety regulations,
- determine, through hazard evaluation, any potential additional dangers resulting from specific usage conditions at the site of the machine operation,
- put necessary behavioural requirements of the operating instructions into practice during the machine tool operation at the operation site,
- check regularly throughout the service life of the machine, whether the operating instructions drawn up by the operator are in line with the current status of rules and regulations,
- adjust the operating instructions, where necessary, to the new regulations, standards and operating conditions,
- exercise control of the competence for installation, operation, maintenance and cleaning of the machine in a clear and unambiguous manner,
- make sure that all personnel involved with the machine have read and understood the operating instructions. Moreover, the personnel must undergo training in handling the machine at regular intervals and be informed about potential dangers,
- provide the persons appointed for operating the machine with the prescribed and recommended protective devices.

Moreover, the operator is responsible for ensuring that the machine

- is always in a technically perfect condition,
- is maintained according to the specified maintenance intervals, and
- that all safety mechanisms of the machine are regularly controlled for completeness and functionality.

3.4 Responsibilities of the personnel

The machine is in the commercial use. Therefore, the personnel are subject to statutory obligations regarding occupational safety.

In addition to the warnings and safety instructions in this manual, the occupational safety, accident prevention and environmental protection regulations applicable to the field of operation must be adhered to.

In particular, the personnel must:

- be informed about current occupational safety regulations,
- adhere to behavioural requirements set out in the operating instructions issued at the site of the machine operation,
- properly exercise the responsibilities entrusted to them as regards installation, operation, maintenance and cleaning of the machine,
- fully read and understand the operating manual before starting work,
- use the prescribed and recommended protection equipment,

Moreover, scope of responsibility of every person operating the machine includes the duty of always

- keeping it in a technically perfect condition,
- performing maintenance, according to the intervals specified,
- controlling all safety mechanisms for completeness and functionality on a regular basis.

3.5 Personnel requirements

Fundamentals

Any operation with the machine may only be carried out by the persons, capable of performing their work properly and reliably and meet every requirement mentioned.

- No works can be carried out by the persons, whose response capability is affected, e.g., by drugs, alcohol or medicines.
- When deploying personnel at the site of operation, always adhere to the applicable occupational and age-specific regulations.

Qualification

WARNING:
Risk of injury for unqualified personnel!

Improper operation can result in significant personal and material damage.

- Any operations must be only carried out by the persons having required training, knowledge and experience.

Instructed personnel

Instructed personnel are the persons, who have been instructed by the operator on the tasks to be carried out and potential dangers in a detailed and verifiable way.

Specialist personnel

Specialist personnel are the persons, who, due to their professional training, knowledge and experience, as well as knowledge of the relevant provisions, are capable of duly carrying out the works assigned, recognise potential dangers independently and avoid personal and material damage.

Qualified electricians

As a matter of principle, all works on the electrical installations must be carried out by qualified electricians.

Qualified electricians are the persons, who, due to their specialist training, knowledge and experience, as well as knowledge of the relevant provisions, are capable of duly carrying out the works on electrical systems, recognising potential dangers independently and avoiding personal and material damage caused by electric current.

Unauthorised persons

WARNING:
Danger of injuries for unauthorised persons!

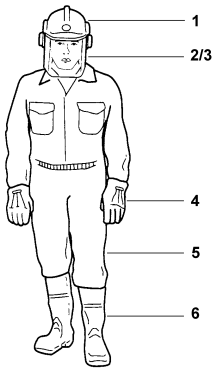
Those who have not been instructed are not aware of the dangers in the area of operation and must be considered unauthorised persons.

- Keep unauthorised persons away from the area of operation; if in doubt, address the persons met and banish them from the area of operation.
- Suspend operations until unauthorised persons leave the area of operation.

3.6 Personal protective equipment

Wearing personal protective equipment is required during the work.

(1) Helmet with ear protectors
(2) Visor or protective goggles
(3) Dust mask / respirator
(4) Safety gloves
(5) Suitable protective clothing
(6) Protective footwear with protection



NOTE!
It is prohibited to wear protective gloves near rotating parts, which pose the danger of pinching. Here, danger created by wearing protective definitely surpasses the intended protection.

3.7 Dangers

The machine has undergone a risk review. Wherever possible, the identified dangers were eliminated and risks reduced. Nevertheless, the machine poses residual risks described in the following section.

- Strictly observe warnings and safety instructions specified here and in the chapters about handling to avoid potential damage to health and dangerous situations.
- Danger of accidents due to possibly falling drill cores when drilling through ceilings and the like. Areas into which cores may fall during drilling must always be secured against foot traffic and cordoned off at a large distance!

3.7.1 Residual risks

Even if used as intended, the machine may pose the following residual risks:

- Danger of finger and hand injury by the rotating tool.
- Injuries from flying workpieces in case of improper keeping or guiding.
- Injuries by snapped, ejected or faulty diamond segment.
- Injuries resulting from touching live parts in case of opened or defective electric components.
- Hearing impairment due to long periods of work without hearing protection.

3.7.1.1 Risks through mechanical hazards

Rotating tools

CAUTION!
Risk of cut injuries!

Reaching into rotating tools may lead to heavy injuries.

- Do not touch rotating drill bit in any circumstances
- Only work with safety equipment
- Remove drill cores only when the drill motor is not running

Flying clippings / tool

CAUTION!
Risk of injury by flying clippings or tool parts!

Failure to wear appropriate protective equipment or working with inappropriate drill bits may lead to heavy injuries.

- Wear protective goggles
- Maintain sufficient safety distance to rotating tool
- Only work with drill bits that are designed for the object to be drilled

Movable parts

CAUTION!
Risk of injury by pinching in movable parts!

Failure to wear appropriate protective equipment may lead to heavy injuries.

- Wear protective gloves
- Always fix the drilling carriage when moving the machine

3.7.1.2 Risks through electrical hazards

Electric current

DANGER!
Danger to life from electric current!

Touching live parts leads to death. Damaged insulation or individual components can be life-threatening.

- Disconnect the machine from the power supply before any work on the electric system. Verify that the system is disconnected from power supply.
- Switch off power supply before maintenance, cleaning and repair operations and secure the machine against being restarted.
- If the power supply insulation is damaged, switch off immediately and arrange for repairs.
- Never bypass or disable fuses.
- Always use fuses with correct amperage when replacing defective fuses.
- Keep moisture away from live parts.
- Any works on the electrical installations must be carried out by qualified electricians.

3.7.1.3 Risks through thermal hazards

Hot surfaces

CAUTION!
Risk of burns on hot surfaces.

Contact with hot parts may cause burns.

- Do not touch the surface.
- Before every work, make sure that the parts have cooled down to the ambient temperature.

3.7.1.4 Risks posed by special physical effects

CAUTION!
Danger of injuries caused by special physical effects

Failure to wear appropriate protective equipment may lead to heavy injuries.

- Wear ear protectors
- Wear protective gloves
- Take adequate breaks
- Regular medical examinations ‘G20‘

3.7.1.5 Risks due to hazardous substances

CAUTION!
Risk of injury by hazardous substances, such as dust and cutting water or slurry!

Failure to wear appropriate protective equipment may lead to damage to health.

- Use personal protective equipment
- Renew the cutting water regularly
- Use the protective goggles and dust mask

3.7.1.6 Risks due to work environment conditions

CAUTION!
Risk of injury due to inadequate lighting.

Work in inadequate lighting conditions may lead to heavy injuries.

- Provide for adequate lighting at the workplace.

DANGER!
Risk of injury as a result of working with electric tools in unsuitable surroundings.

Working in potentially explosive atmospheres may result in serious injuries.

- Power tools produce sparks, which can ignite dust or fumes.

3.8 Safety devices

WARNING:
Danger to life due to defective or bypassed safety devices!

Inoperable, bypassed or disabled safety devices do not protect from hazards and may lead to heavy or fatal injuries.

- Before commencement of works, always make sure that all safety devices are properly installed and functional.
- Never disable safety devices.
- Ensure that the safety devices are always freely accessible.

NOTE!
See safety devices in → "Instruction manual core drilling motor".

3.9 Spare parts

WARNING:
Risk of injury due to wrong spare parts.

Wrong spare parts can seriously compromise safety and cause damage and malfunction up to total failure.

- As a matter of principle, only original spare parts must be used.

Original spare parts can be obtained via an authorised dealer or directly from the manufacturer.

3.10 Actions in emergency and in case of accidents

Necessary actions

- Always be prepared for accidents or fire.
- First aid facilities (first aid box, cloth, etc.) and fire extinguisher must be close at hand.
- Personnel must familiarise themselves with accident signalling equipment, first aid and rescue facilities.
- Access roads for rescue vehicles must be always kept free.

If the need arises, act properly

- Activate emergency stop immediately
- Initiate first aid measures
- Remove persons affected from the danger area.
- Inform persons responsible at the operation site.
- Alert doctor and/or fire brigade in case of heavy injuries.
- Keep access roads for rescue vehicles free.

3.11 Signage

Danger from electric current!

DANGER!
Danger to life from electric current!

Touching live parts leads to death. Damaged insulation or individual parts can be life-threatening.

- Disconnect the machine from the power supply before any work on the electric system. Check that no voltage is present!
- Switch off power supply before maintenance, cleaning and repair operations and secure the machine against being restarted.
- If the power supply insulation is damaged, switch off immediately and arrange for repairs.
- Never bypass or disable fuses.
- Always use fuses with correct amperage when replacing defective fuses.
- Keep moisture away from live parts.
- Any works on the electrical installations must be carried out by qualified electricians.
- Annual check of the electric system according to VDE0701.
- Avoid physical contact with earthed surfaces.

Danger of cutting damage

CAUTION!
Risk of cut injuries!

Reaching into moving tools may lead to heavy injuries.

- Do not touch rotating drill bit in any circumstances
- De-energise the machine before replacing the drill bit

Illegible signs

CAUTION!
Risk of injury due to illegible symbols!

Stickers and signs that got illegible, make danger zones insufficiently recognisable and may become incapable of indicating potential injury risks.

- Always maintain legibility of pictograms, safety, warning and operating instructions.
- Immediately replace the pictograms, labels, signs or stickers that became illegible.

There are the following symbols and information signs on the machine that refer to potential dangers:

	Safety pictograms	

3.12 Safety instructions

- Ensure that the fixing used for fastening the core drilling machine to the workpiece by means of dowels and screws is capable of holding the machine securely during use
- Always check when switching the drill motor back on that the drill bit rotates freely and is not jammed.
- If the drill bit blocks, stop applying feed pressure and switch off the machine
- Always wear ear protection when core drilling
- Operate the core drilling machine only by the insulated handles if there is a possibility that you may encounter hidden electric wires or your own connection lines
- Ensure that people and the work area are protected when drilling through ceilings or walls
- Attach the appropriate water collecting devices when working overhead
- In general, when drilling operations require the use of water, ensure that the water does not get into the work area - use appropriate water collecting devices

4 Technical data

4.1 Dimensions of the machine

Specification	Value	Unit
Length	376	mm
Width	299	mm
Height	1107	mm
Operating weight drill rig	27,5	kg

4.2 Dimensions of drill bit

Specification	Value	Unit
max. length	296	mm
max. width Ø	400	mm

4.3 Dimensions Dowel Base

Specification	Value	Unit
Length	363	mm
Width	299	mm
Height	142	mm

4.4 Engins and fixing types

Engine	Connection
BBM33L	Motor plate
BBM33L-extra	Motor plate
Dolphin DX5L	Motor plate

4.5 Operating conditions

Working zone

Specification	Value	Unit
Temperature range	Ambient temperature 5-45	°C
Relative air humidity, maximum	60 (without condensing)	%
Conditions	Only operate the machine tool in the dust-free environment! Avoid direct impact of dampness, dust and frost. Do not operate in strong electric and magnetic fields! Do not operate the machine tool in explosive atmosphere!!	

4.6 Drill bits

Drill bit type	Drill bit diameter	Material
RM 30	Ø10-Ø500 mm	Reinforced concrete, steel reinforced concrete, granite, ductile cast iron pipes
RM 52		Premium concrete, reinforced concrete, medium-hard masonry
RM 65		Reinforced concrete

DANGER!
Risk of injury by defective or incorrectly mounted drill bits!

Damaged drill bits may cause injuries of personnel!

- Before starting work, check the drill bit for breakage of individual segments, segment pieces, cracks at the segment base, deformation of the drill bit or wear.
- Replace defective drill bits immediately

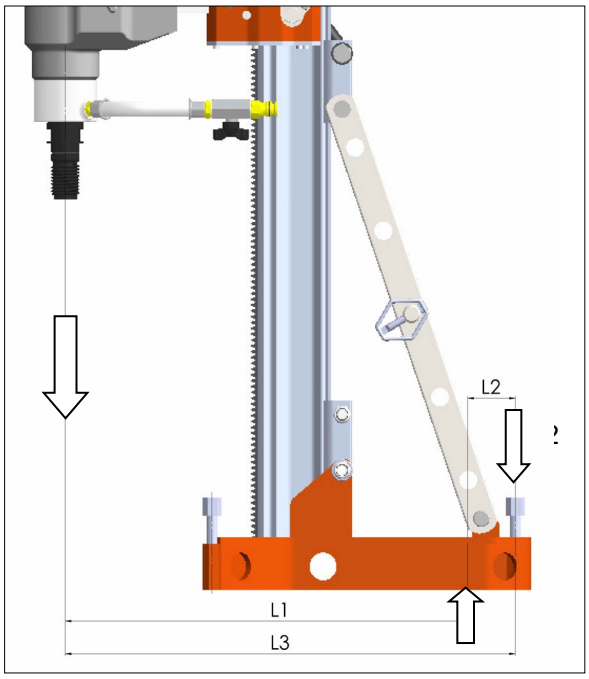
4.7 Drill bit contact force

4.7.1 Dowel position

Select dowels, whose middle breaking load lies minimum factor 2 over the load of the fastening point.

When dimension L2 is minimal (at the end of the slot), the largest dowel back forces F appear with the same contact force of the drill bit.

Therefore, choose the dimension L2 as tall as possible (Fastening point close to column).



Note!
The dowel extraction forces should be minimised!

The greater L2 is selected, the lower the dowel extraction forces!

F1 x L3 = F x L2

- The machine can be provided with several drill motors and each of them allows different drill ranges.
- The machine equipment is only for drill motors that are mentioned by **GÖLZ® GmbH** in the following tabulations.
- Distance plates can only be used, if they are certified for the respective application of the **GÖLZ® GmbH**

Data example for drill stand with BBM33-Motor:

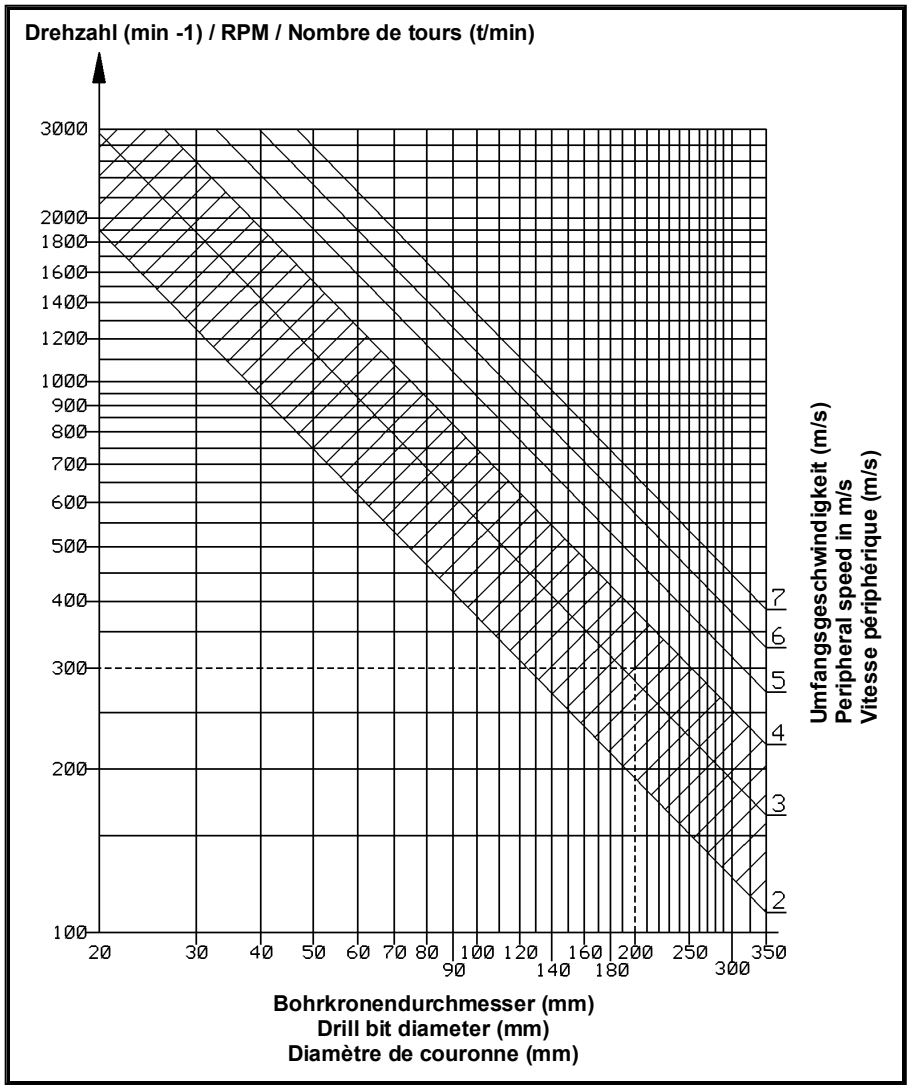
Drill bit Ø (mm)	Segment (piece)	Contact force drill bit (N)	Dimension L3	Dimension L2	Extraction force F(kN)
50	5	1080	496,2	52,5	10,2
100	9	1890	496,2	52,5	17,9
150	12	2880	496,2	52,5	27,2
200	14	3780	496,2	52,5	35,7
250	20	4000	496,2	52,5	37,8
300	24	4800	496,2	52,5	45,4
400	28	5600	496,2	52,5	52,9
500	30	6000	496,2	52,5	56,7

DANGER!
Risk of injury by unchecked or unapproved tool!

Drill bits that have not been checked or approved may cause injuries of personnel!

- Before starting work, check whether a proper drill bit is mounted.
- Observe the speed reference values (engine operating manual) and select the appropriate gear!

RPM recommendation chart

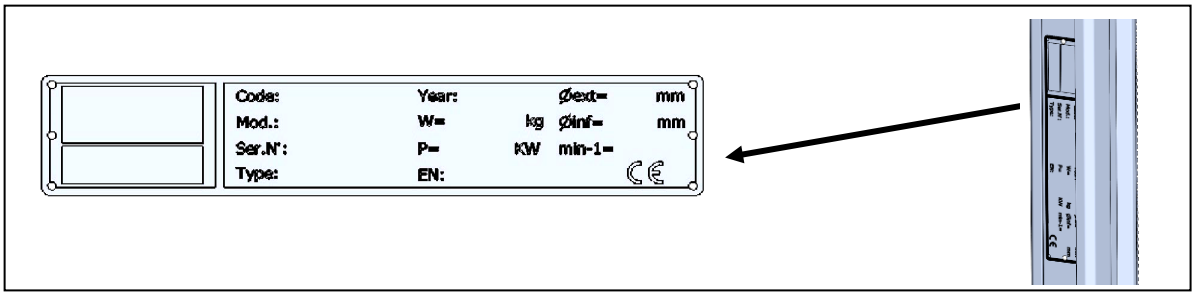


Example: Drill bit Ø 200 mm at 3 m/s = approx. 300 RPM
Optimum peripheral speed: 2 to 4 m/s

NOTE!
All drill bits used must be designed for the corresponding drive speed of the machine and the intended use with regard to their permissible maximum cutting speed. Optimum peripheral speed: 2 to 4 m/s

4.8 Type plate

The type plate is located on the rear of the column profile.



4.9 Installation site requirements

The floor surface must:

- have sufficient load bearing capacity,
- be free of barrier,
- withstand the required extraction force,

Installation conditions

- Choose the installation site as per space requirements according to the technical data.

NOTE!
The machine is designed for use in daylight. In case of work zones with poor or no lighting, ensure sufficient lighting of the workplace.

4.10 Storage requirements

Storage conditions

As a matter of principle, the machine, its components, assemblies or parts must be only stored in the following conditions:

- do not store outdoors
- store in dry and dust-free place
- do not expose to aggressive media
- protect from solar radiation
- avoid mechanical vibrations
- storage temperature range 5 to 45°C
- relative air humidity, max. 60%

In case of storage for over 3 months, check general condition of all parts and packaging on a regular basis. If necessary, renew or replace conservation materials.

5 Design and function

The machine designed is an electrically operated diamond core drill. It is intended for stand-mounted wet drilling of through holes and blind holes in (reinforced) mineral surfaces.
The drill stand is mounted on a dowel base which is made of a robust welded construction. The aluminium column with tooth profile has an indirect connection to the dowel foot and is provided with a support to the dowel foot for stabilization. Moreover, the guide column can be extended endlessly via an eccentric shaft as a quick release.
The reliable quick release system and the drill motor can be adapted to the drill carriage and roller guide.

5.1 Scope of delivery and responsibility

The machine was developed and manufactured under sole responsibility of Gölz GmbH.

Upon transfer to the operator, the responsibility for safe handling and instruction of the personnel passes to the operator.

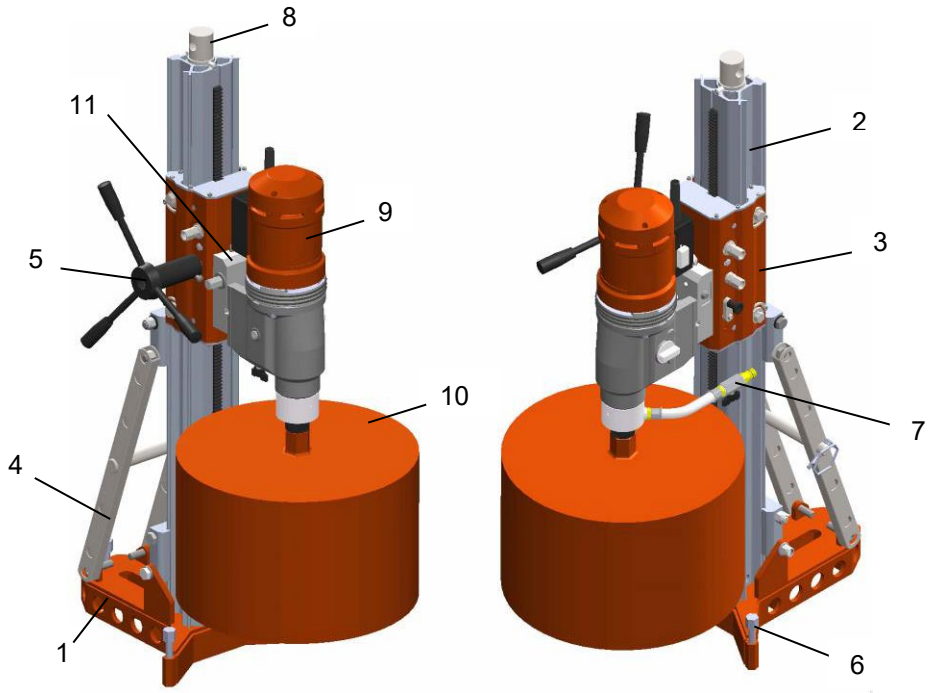
The manufacturer offers training on the machine.

The scope of delivery includes the following components:

Components	Quantity
Drill rig	1
Technical documentation	1

Optional accessories	Quantity
Water retention ring	1

5.2 RD500



1	Dowel base	7	Water connection
2	Column	8	Verlängerungsbolzen
3	Drill carriage	9	Drive motor
4	Support	10	Drill bit
5	Hand wheel	11	Quick release system
6	Adjusting screws	12	

Dowel base

The dowel base is made of a robust welded construction. On the Dowel base the column and the support are fastened. He has three adjust screws.

Column and Drill carriage

The guide column (2) is an aluminum rod profile bolted to a steel toothed rack on which the drilling carriage (3) travels horizontally. The drilling carriage is equipped with a roller guide, so that the drilling carriage can travel easily and smoothly on the guide column without jolting. In the drilling carriage is a reduction arbor (i=3.3) and an arbor with direct drive (i=1) that can be toggled as desired.

Support

The support (4) is to stabilize the entire drill stand. Centered on the support is a supporting bolt, which is secured with a lynchpin.

Hand wheel

The hand wheel (5) is used to move the carriage over the column. It can be attached to both sides of the carriage.

Adjusting screws

With the adjusting screws (6) you can adjust the drill rig exactly.

Water connection

The water connection (7) is located on the drive motor (9), and is used to water-cool the drill bit (10) and remove the sludge produced during drilling.

Extension bolt

The guide column (2) can be extended endlessly with the extension bolt (8).

Drive motor

The drive motor (9) moves the drill bit (10) in a rotating cutting movement.

Drill bit

The drill bit (10) serves as a cutting tool and grinds through the workpiece with the diamond-studded drilling segments.

Quick releases system

The drive motor (9) can be adapted or removed via the quick-release system (11) with a quick-release device on the drilling carriage (3).

5.2.1 Functional description

The RD500 is designed for drilling diameter up to Ø400 mm. They can be used for drillings into grounds and walls.
The machines make it possible to use different drill motors.
Thanks to the quick cutting system (STS), different electric motors can be fitted to the machine with a few simple steps.
On the drill motor optionally an adaptation for a drill bit flange can be fitted. The assembly of the tool is simple and easy. Regarding the flange the drill bit is fixed via a screw connection, regarding the adapter via a threaded bolt.
The safe and easy assembly allows a quick exchange of the tools for any drive system.
The water supply happened about the drill motors. Thus the water is directly routed via the drill motor into the drill bit and provides a sufficient cooling of the tool and binds the cutting material. The water supply of the drill motor can be done via different external supplies, either via water reservoirs from the accessory or via an external water connection. The water reservoirs can be connected via a coupling to the water supply of the drill motor.
A water retention ring can be used to collect the water from the drill intercepts. The water retention ring will be positioned under the drill bit, as well as attached on dowel base. By mounting the dowel base the water retention ring also pressed on the ground. The cooling water and flushing water included with cutting mud can thus be collected.
The drill carriage moves on a column by means of a gear rack. The drill carriage includes roller guides allows an easy and smooth movement of the drill carriage on the column.
The drive is provided manually by default via the handle which can be fixed on both sides of the drill carriage. Alternatively, the handwheel can also be attached to the second drive shaft underneath to simplify drilling.
The drill rigs are supplied with a dowel base. The base offers floor mount and wall mount fixture options by means of dowel fastening. The dowel fastening is quickly and easily installed and removed. The machine can be set up and fixed anywhere.
The drill rigs offer the possibility of an angular adjustment. The angle can be continuously adjusted up to -60°/60°. For this purpose only few screws must be resolved so that the support and the column are moveable.

6 Transport & packaging

6.1 Transport safety information

ATTENTION!
Damage through improper transportation!

Improper transportation can result in considerable damage of the transported goods and objects in the vicinity.

- Always act with utmost caution and care when loading and unloading transported goods.
- Pay attention to instructions and symbols on the packaging.
- Never remove transport locks earlier than before assembly.

6.2 Transport inspection

Inspect the condition of the transported goods immediately upon delivery for completeness and damage.

In the event of externally recognisable damages:

- ▶ do not accept the delivery or accept it only conditionally,
- ▶ record the scope of the damage in the transport documents and indicate it in the carrier's consignment note,
- ▶ lodge complaint.

NOTE!
Claim any defect immediately upon delivery of the transported goods!
Claims regarding transport damage can only be lodged within valid complaint periods.

6.3 Transport symbols

On the outside of the transported goods, there are symbols corresponding to the content, which must be strictly observed during transportation and storage.

Meaning of the transport symbols

The following transport symbols can be placed on the transported goods:

	**This side up** The arrowheads indicate the top end of the transported goods. These should point upwards otherwise the content can be damaged.		**Keep dry** Protect the transported goods from dampness and keep them dry.
	**Anchor point** Only attach lifting tackle to the indicated points.		**Centre of gravity** Indicates the centre of gravity of the transported goods. Pay attention to the centre of gravity position when handling the goods

6.4 Transportieren und Lagern

Handling packaging

The machine is packed in a safe and environmentally sound manner for the anticipated transport conditions. The packaging protects the parts up to the beginning of assembly from damage and corrosion.

- Only remove packaging and transport locks before assembly.
- Dispose of packaging materials according to applicable local regulations.

ATTENTION!
Environmental damage through improper disposal!

Packaging material is valuable raw material and can be used again or expediently reprocessed and recycled.

- Always dispose of packaging materials in an environmentally sound manner.
- Follow local regulations. If necessary, employ a specialised company for waste disposal.

Transport of the machine

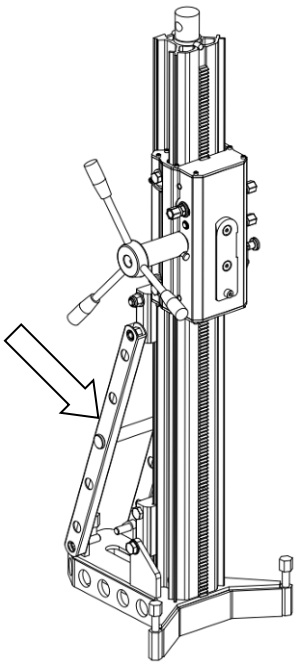
ATTENTION!
Damage through improper transportation!

Improper transportation can result in considerable damage of the machine and objects in the vicinity.

Before every transport:

- the slider is to be fixed
- the machine is to be disconnect from the electricity

The machine can be carried by one person using the handle attached to the support or to the column.



NOTE!
The machine is not designed for crane transport. There are no appropriate load suspension points on the machine.

Storage of the machine

Store the machine in the following conditions:

- indoors only,
- store in dry and dust-free place,
- do not expose to aggressive media,
- protect from solar radiation,
- avoid mechanical vibrations,
- storage temperature: 5 to 45 °C,
- relative air humidity: max. 60%.
- In case of storage for over 3 months, check general condition of all parts and packaging on a regular basis. If necessary, renew or replace conservation materials.

Note!
Protect from moisture!
Clean the machine thoroughly before storing and grease components such as rollers, bearings and threads.

7 Installation and first commissioning

7.1 Installation safety information

WARNING!
Risk of injury due to improper installation!

Improper work performance and installation errors can result in heavy injuries during work and life-threatening situations during commissioning and operation.

- Any installation works must be only carried out by trained personnel authorised by the operator.
- Sufficient assembly freedom must be ensured before commencement of works.
- Always keep the working zone tidy and clean!

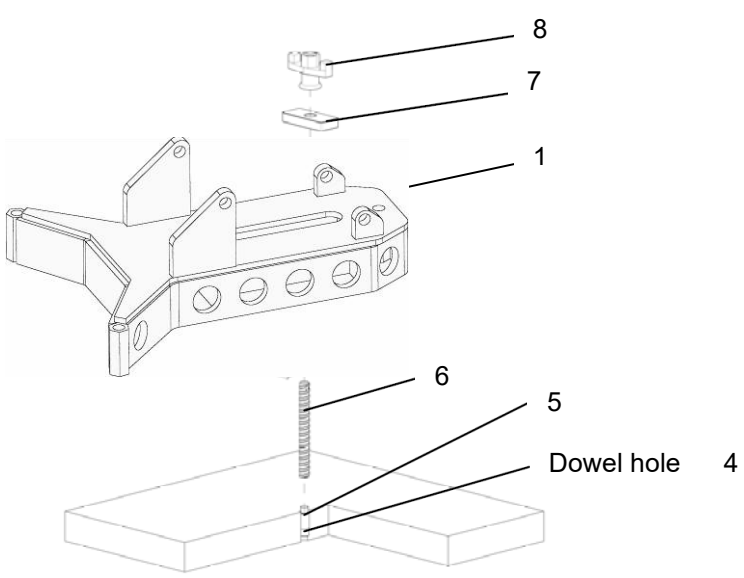
DANGER!
Danger to life from electric current!

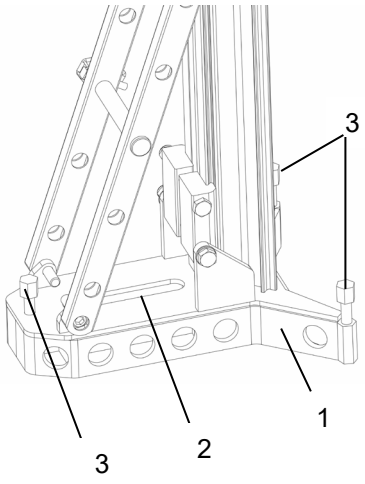
Touching live parts leads to death. Damaged insulation or individual parts can be life-threatening.

- Connection, inspection and measurements of electric parts must be carried out by qualified electricians.
- In case of defective electric components switch off immediately and arrange for repairs.
- Keep humidity away from live parts.

7.2 Site assembled drill rig

Dowel techniques:
Place the drill stand at the desired position, the laser will show the exact centre of the drill hole. Mark the dowel point through the dowel hole (2) in the dowel base (1) and drill with a percussion drill. Follow the installation instructions for the dowels (Fischer FDBB16SE). Then screw on anchor rod (5) and spread dowels (4). Attach the core drill stand to the anchor rod using the washer/dowel latch (6) and fixing nut (7) and align via the adjusting screws (3).





Personal protective equipment

- Protective clothing
- Protective gloves
- Safety shoes
- Ear protectors
- Protective goggles

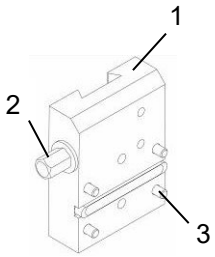
Before you mount the drill motor on the drill stand, make sure the following

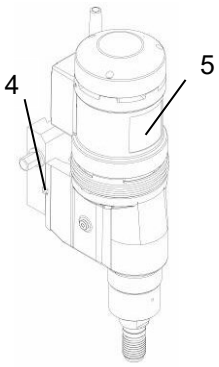
- The drill stand is fixed in accordance with regulations
- The attachment of the drill rig to the drilling object must withstand the pull-out forces
- The drill stand is aligned via the compensation screws
- The working area in front of and behind or under the drilling object is closed off and secured
- The drill motor is disconnected from the power supply

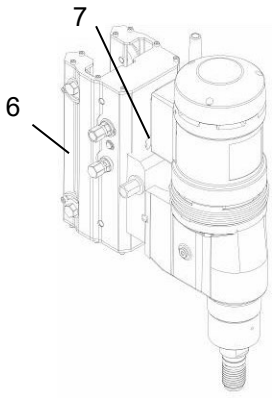
Note!
Do not attach diamond core bits to the drill spindle until the drill motor has been mounted!

Bei Befestigung eines Bohrmotors mittels Motorplatte gehen Sie wie folgt vor:

- If not already installed, bolt the motor plate (1) to the drill motor (5). The motor plate is aligned with a key (4) on the drill motor and bolted to the drill motor with the four-cylinder bolts (3.
- Push the motor plate with the motor top down into the taper (7) on the drill carriage (6). Push the motor plate all the way to the stop.
- Tighten the locating screw (2) on the motor plate firmly. The motor plate with the drill motor is now secured against skidding.
- The drill bit can now be installed.







Personal protective equipment

- Protective clothing
- Protective gloves
- Safety shoes

7.3 Attachment drill bit

NOTE!
Clean all fastening elements carefully before mounting the core bit!

7.3.1 With drill motor spindle

Fit the drill bits directly to the drill motor spindle. Wind the drill carriage up, but only to such point that the drill bit easily fits under the drill motor spindle.

When fitting the drill bit, please observe the following order:

- ▶ first the brass disc
- ▶ then the O-ring
- ▶ finally the drill bit

7.3.2 With 3-hole flange

Fit the 3-hole flange to the gear box. Fit the flange to the gear shaft in such a way that the serration meshes and screw the two set screws in the flange into the gear shaft. Now wind the drill carriage up, but only to such point that the drill bit easily fits under the flange.
Then, with a wrench SW 17, screw the three screws M 10 x 20 through the flange into the holes of the drill bit.
Lock the flange with a SW 41 wrench.

7.4 First commissioning and acceptance, general

DANGER!
Risk of injury during the first commissioning or adjustment works. Therefore:

- Before starting work, disable the machine and secure the machine against being restarted. Affix warning signs!
- Ensure that the machine is properly and sufficiently secured to the object to be drilled
- Ensure that all components of the machine are firmly connected and secured against slipping out
- Ensure sufficient lighting
- Ensure that there are no unauthorised persons in the work area
- Make sure that the power and water lines leading to the motor are long enough and have been laid in accordance with regulations.

The drill rig is delivered fully assembled. The machine is set up and aligned at the place of use. All components such as motor, clamping neck and drill bit are attached to the machine and firmly mounted.

7.5 Steps before commissioning

Before putting the machine into operation, make sure that the motor is connected exactly according to the operating instructions of the motor and that the water and power lines have been installed safely and according to regulations.

Danger!
Risk of injury due to improper laying of supply lines!
Water and power lines leading to the motor must not be a tripping hazard!

8 Operation

8.1 Operation safety information

WARNING!
Risk of injury due to improper operation!

Improper operation may lead to heavy injuries.

- The machine may only be operated by trained personnel authorised by the operator.
- Before every work, make sure that the safety devices are correctly installed and function without flaws.
- Never disable safety devices.
- Always keep the working zone tidy and clean! Objects, parts, workpieces, tools and cleaning devices loosely lying around are accident sources.

DANGER!
Danger to life from electric current!

Touching live parts leads to death. Damaged insulation or individual parts can be life-threatening.

- In case of defective electric components switch off immediately and arrange for repairs.
- Keep humidity away from live parts.

Personnel

- Instructed personnel

Personal protective equipment

- Protective clothing
- Protective gloves
- Safety shoes
- Ear protectors
- Protective goggles

8.2 Intended working position of the operator

The operator stands laterally behind the machine so that he can see the complete machine and the drilling process in front of him, comfortably operate the handwheel and immediately disconnect the power supply to the motor.

8.3 Start-up preparation

To safely use the machine as intended, the following preconditions must be met:

- The machine is securely fastened and all components are firmly mounted
- The water and power lines are connected and safely installed.
- The water supply is functional
- The drill motor was set in the right gear for this drill bit. You will find the exact procedure and speed table in the motor operating instructions.
- There must be no wrench or auxiliary tool left on the machine
- The working area above and below or in front of and behind the object to be drilled is widely blocked and secured

8.4 Start-up

Note!
Check after start:

- The machine is switched on via the main switch. This is located on the power cable of the drill motor. Observe the motor operating manual.

Follow the instructions.

8.5 Drilling process

8.5.1 Vertical drilling

For vertical drilling, the column of the drill stand rests directly on the attachment point of the dowel vacuum base. This is the delivery condition of the drill stand.

To set up for this setting, proceed as follows:

1. Switch off the machine -> motor and core bit must not rotate!
2. Loosen the column slightly at its fixing points and its sliding elements.
3. Push the column to the stop point on the dowel-vacuum base..

Note!
When adjusting the drill stand, it is easier if components such as the drill motor and drill bit have been removed beforehand! Always disconnect the power plug!

4. Tighten the fixing screws on the sliding elements again -> check that the column is fixed and cannot move.
5. Attach the drill stand using dowels or vacuum technology
6. Attach all components back to the drill stand and fix them.
7. Grip the handle of the handwheel with one hand and the main switch of the drill motor with the other hand.

Note!
Never touch the drill bits while the engine is running!
In an emergency, immediately pull out the mains plug!

8. After starting the engine, switch on the water.
9. Now slowly plunge the rotating drill bit into the material via the hand crank and drill through it.

10. After piercing the material, move the rotating drill bit out of the hole using the hand crank. Now switch off the motor and the water supply.

8.5.2 Angled bores

The machine offers the possibility to perform inclined drilling.

For angled bores we proceed as follows:

1. Turn off the machine -> The engine and drill bit must not turn anymore!
2. Loosen the guide column slightly at its fixing points and its sliding elements.
3. Swivel the guide column until the desired drilling angle is reached.
4. Ziehen Sie die Befestigungsschrauben an den Gleitelementen wieder fest an -> kontrollieren Sie, dass die Führungssäule fixiert ist und sich nicht bewegen kann.
5. Tighten the fixing screws on the sliding elements again -> check that the guide column is fixed and cannot move.
6. Make sure that all components are attached and firmly mounted.
7. Grasp the handle of the handwheel with one hand and the main switch of the motor with the other hand.
8. Start the machine.

Note!
Never touch the drill bits while the engine is running!
In an emergency, immediately pull out the mains plug!.

9. After starting the engine, switch on and adjust the water supply
10. Now slowly plunge the rotating drill bit into the material via the hand crank and drill through it.
11. After piercing the material, move the rotating drill bit out of the hole using the hand crank. Now switch off the motor and the water supply.

8.5.3 Water supply

The drill motor is connected to a fresh water pipe.

- Dirty water can clog the water supply line to the drill bit
- Collect the cutting mud during drilling, then filter and dispose of properly

8.6 Stop the drilling process

Move the drill bit out of the drill cut by turning the crank in the opposite direction. Once the drill bit has left the cut, shut off the motor.
Follow the instructions under the relevant drill motor operating instructions on how to switch off the motor.
Then shut off the water supply. If no further drilling operations are carried out, remove the drill bit. Perform the maintenance and care work in accordance with the Chapter "Maintenance & Cleaning".

Note!
Never touch the drill bits while the engine is running!
In an emergency, immediately pull out the mains plug!

9 Maintenance & cleaning

9.1 Maintenance safety information

WARNING!
Risk of injury due to improper maintenance!

Improper maintenance may lead to injuries.

- Any maintenance works must be only carried out by instructed specialist personnel authorised by the operator.
- Sufficient assembly freedom must be ensured before commencement of works.

DANGER!
Danger to life from electric current!

Touching live parts leads to death. Damaged insulation or individual parts can be life-threatening.

- Switch off the electric system before maintenance and repair operations and secure it against being restarted.
- Keep humidity away from live parts.

WARNING!
Risk of injury due to wrong spare parts.

Wrong spare parts can seriously compromise safety and cause damage and malfunction up to total failure.

- As a matter of principle, only original spare parts must be used.

CAUTION!
Risk of cut injuries!

Reaching into moving tools may lead to heavy injuries.

- Do not touch rotating drill bit in any circumstances
- If any works need to be carried out, disconnect the machine from power supply

9.2 Maintenance plan

Maintenance works necessary for optimum and trouble-free operation are described in the following sections.

- ▶ If an increased wear of parts is revealed by regular inspections, reduce the maintenance intervals!
- ▶ Draw up a maintenance log after every maintenance! The log assists in error analysis, enables adjusting the intervals to actual usage conditions and validating guarantee claims.
- ▶ If you have any queries on maintenance works and intervals:
  contact manufacturer.

Interval	Maintenance work	Personell

Before every commissioning	Visual check - Entire machine - Tool holder (engine spindle) - tools (drill bit) - operation elements (handle…) - drill rig and slider - all components	Operating personnel
	Visual check - engine - the column	Specialist personnel
	Checking the tool (drill bit) for replacement necessity	Operating personnel
	Slider - lubrication - greasing - oiling - applying corrosion protection	Operating personnel
After completion of work	Cleaning of - entire machine - operation elements (handle…) - tools (drill bit) - Drill rig	Operating personnel
	Cleaning of - engine und drill spindle	Specialist personnel
	tool holder (drill spindle) - lubrication - greasing - oiling - applying corrosion protection	Operating personnel
weekly	Check and adjust - Operation elements (handle…) - slider and guide elements - Screw fitting	Operating personnel
Yearly	Perform statutory safety test for engine	Qualified electricians
In case of an error	Visual check - entire machine - drill bit	Operating personnel
	Visual check - engine - Drill rig	Specialist personnel
In case of damage	change and replacement - entire machine - drill bit - Drill rig - Operating elements (handle…) - Engine neck - engine	Operating personnel

9.3 Description of the maintenance works to be carried out by the operator

ATTENTION!
Cleaning by a high-pressure cleaner will damage the machine.

ATTENTION!
Foaming and cleaning with water will damage the machine.

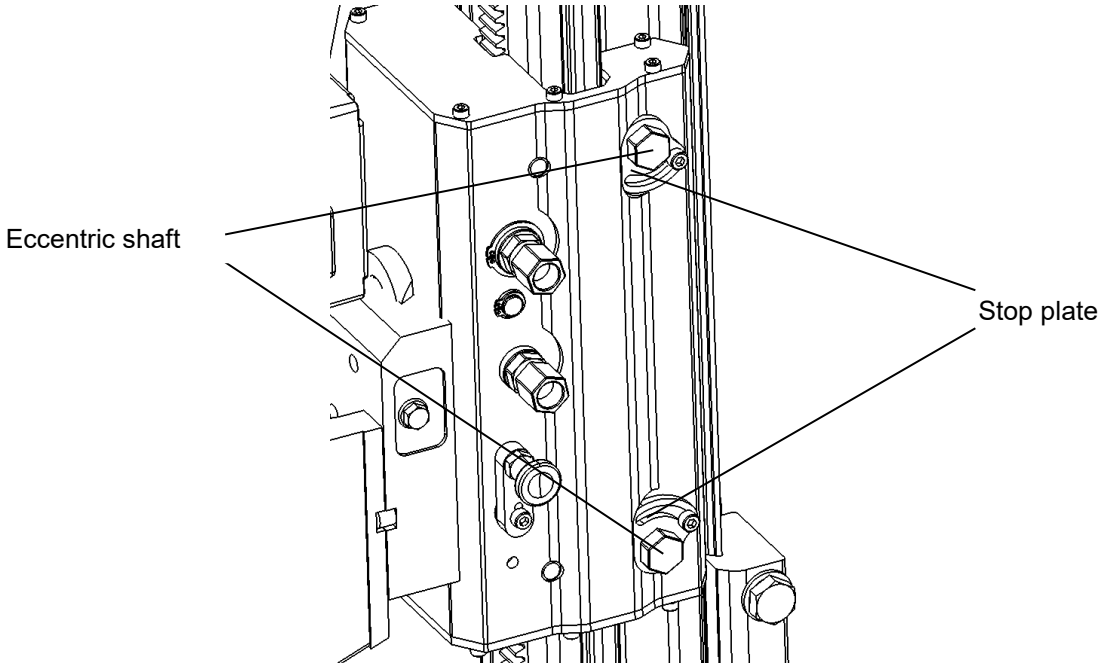
ATTENTION!
The drill bit may not be cleaned by metal cleaning tools (scraper, metal sponge or similar), otherwise it will be damaged.

9.3.2 Adjust the drill carriage

The slides with sliding guide and with roller guide have guide elements: Guide plugs (1) and rollers (2) made of plastic which wear out after a certain time. Due to friction between the guide elements and the column, an inaccuracy (play) becomes noticeable in the long run. This inaccuracy of the carriage guide can be eliminated by readjusting the guide elements. If the guide elements are worn out too much, they must be replaced by new ones.

Adjust roller guide

- Loosen the stop plate by loosening the socket head screw
- Minimize inaccuracy by turning the eccentric shaft and bringing the roller back into contact with the column
- Fasten the stop plate again using the socket head screw



9.3.2 Change the drill bit

The drill bit needs to be changed if:

- the diamond segments on the drill bit are completely worn, damaged or broken off
- that material to be drilled changes
- the drill bit runs out of round

After drilling, check the drill bit carefully for:
broken individual segments or segment pieces, cracks at the segment base, deformation of the drill bit, wear.
If such faults are detected, send the tool for repair. Furthermore, the threaded connection must be checked for cleanliness.
Resharpen drill bits that have become blunt. (Accessories: **GÖLZ®** - Whetstone).

9.3.3 Drill motor

Follow instructions for drill motor servicing provided in the appropriate operating manual.

9.4 Steps after completing maintenance

After completion of the maintenance works and before switching on, follow the following steps:

1. Check for tightness all threaded joints previously detached.
2. Check the proper installation of all previously removed protective devices and covers.
3. Make sure that all tools, materials and other equipment have been removed from the working zone.
4. Clean the working zone and remove any spilled substances such as liquids, processing materials or similar.
5. Make sure that all safety devices of the system function properly.

9.5 Parts susceptible to wear

Verschleißanfällige Bauteile des Bohrständers sind:

- Gear rack
- Spring
- Roller
- Eccentric shaft
- Plain bearing
- Roller
- Gear wheel
- Shaft
- Pinion shaft
- Shaft
- Clamping piece
- Stop

Wear of these parts does not present any product defect.

NOTE!
Wear parts are highlighted in grey in the spare parts list!

10 Errors

10.1 Troubleshooting safety information

WARNING!
Risk of injury due to improper troubleshooting!

Improper actions in the course of troubleshooting may lead to heavy injuries.

- Any repair works must be only carried out by instructed specialist personnel authorised by the operator.
- Sufficient assembly freedom must be ensured before commencement of works.
- Always keep the working zone tidy and clean! Objects, parts, workpieces, tools and cleaning devices loosely lying around are accident sources.
- Check correct assembly of spare parts if these have been replaced. Fit properly all fastening elements. Observe screw tightening torques.
- Before recommissioning, make sure that all safety devices are properly installed and functional.

WARNING!
Risk of injury resulting from unauthorised restarting!

Personnel working on individual parts can be injured if the machine is restarted unexpectedly.

- Before working on any individual parts, switch off the machine and secure it against being restarted.

DANGER!
Danger to life from electric current!

Touching live parts leads to death. Damaged insulation or individual parts can be life-threatening.

- Switch off the electric system before maintenance and repair operations and secure it against being restarted.
- Keep humidity away from live parts.

10.2 Actions in case of errors

The following basically applies:

1. In case of errors posing an immediate danger for personnel or property, immediately activate the emergency stop.
2. Switch off power supply and secure it against being restarted.
3. Inform persons responsible at the operation site.
4. Depending on error reason type, assign responsible authorised specialist personnel to identify and eliminate it.

10.3 Troubleshooting table

Error message / error	Possible cause	Troubleshooting	Personnel
Machine when starting without function	Power plug not properly attached	Check power connection	Operating personnel
	Power plug defective	Check power plug for function	Qualified electricians
	Engine defective	Check engine. If defective, replace or repair	
	Main switch defective	Check main switch and replaced if necessary	
Machine has no power	Cable too long or Cable reel not unwound	Observe the prescribed length of the power cable. Unwind the cable drum	Operating personnel
	Power grid is not enough	Follow the connection data of the machine	
	Engine does not keep the speed	Check engine or replace engine	Qualified electricians
No cooling water	Hose clogged	Clean and route houses correctly	Operating personnel
	Hose leaking	Repair or replace hose	
Diamond drill bit does not cut well	Not enough or too much water	Adjust the amount of water correctly	Operating personnel
	Engine speed to high	Choose the right gear (engine- speed list)	
	Diamond segments have become clogged, worn out or defective	Sharpen drill bit	
	engine overloading (feed too high)	Reduce feed rate	
	Very hard concrete	Reduce feed rate or change drill bit	
	Diamond drill bit is stuck	Check the drill rig fixing. if necessary, realign the drill rig	
		Disconnect the power supply, loosen the diamond drill bit	
Diamond drill bit is out of round	Engine bearing or spindle defective	Replace affected component	Manufacturer
	Diamond drill bit is dented	Change diamond drill bit	Operating personnel
Bore runs during drilling	Drill rig fixing insufficient	Fix the drill rig better	Operating personnel
	Slider guidance too inaccurate	Adjust the slider	

10.4 Steps after troubleshooting

After completion of the troubleshooting and before switching on, follow the following steps:

1. Check for tightness all threaded joints previously detached.
2. Check proper installation of all previously removed protective devices and covers.
3. Make sure that all tools, materials and other equipment have been removed from the working zone.
4. Clean the working zone and remove any spilled substances such as liquids, processing materials or similar.
5. Make sure that all safety devices of the machine function properly.

11 Dismantling and disposal

After the design service life is over, the machine must be dismantled and disposed of in an environmentally sound manner.

11.1 Dismantling and disposal safety information

WARNING!
Risk of injury resulting from improper dismantling!

Improper actions in the course of dismantling may lead to heavy injuries.

- Any dismantling works must be only carried out by instructed specialist personnel authorised by the operator.
- Sufficient assembly freedom must be ensured before commencement of works.
- Always keep the working zone tidy and clean! Objects, parts, workpieces, tools and cleaning devices loosely lying around are accident sources.
- Mind sharp-edged parts, corners and points.
- During dismantling operations, always secure parts so that cannot fall or overturn.
- Dismantle parts properly and in a professional way with consideration of local labour and environmental protection regulations.
- In cases of doubt, contact the manufacturer.

DANGER!
Danger to life from electric current!

Touching live parts leads to death.
Damaged insulation or individual parts can be life-threatening.

- Before dismantling operations, switch off power supply and secure the machine against being restarted.

Personnel

- ▶ Instructed specialist personnel authorised by the operator

11.2 Dismantling

1. Switch off the machine and secure it against being restarted.
2. Physically disconnect the power supply from the unit and discharge stored energy. Check that no voltage and pressure are present.
3. Remove operating and auxiliary materials, and remaining processing materials and dispose of them in accordance with the environmental regulations
4. Clean properly assemblies and parts and disassemble them with consideration of the applicable local labour and environmental protection regulations.

11.3 Disposal

If no return or disposal agreement was made, send the dismantled components for recycling:

- ▶ scrap metal parts.
- ▶ hand over plastic parts for recycling.
- ▶ dispose of other components assorted according to material characteristics.

- **EU countries only**
- Electric waste is recyclable and must not be disposed of in the household waste!!
- According to the European directive 2012/19/EU on electrical and electronic waste and version transposed into national law, used power tools must be collected separately and sent for recycling in an environmental-friendly manner.

ATTENTION!
Environmental damage resulting from improper disposal!

Wrong or negligent disposal may result in significant environmental pollution.

- Electrical scrap, electronic components, lubricants, operating and other auxiliary materials must be disposed of by specialised companies.
- In case of hazardous substances, treatment and disposal provisions of the material safety data sheets must be taken into consideration.
- In case of doubts, consult the manufacturer or local municipal authorities or specialised disposal companies on the environmentally safe ways of disposal.

12 Spare parts list

12.1 Using the spare parts list

The spare parts list is not a mounting or dismounting instruction. The only purpose of the spare parts list is to easily and quickly find spare parts which can be ordered with distribution agencies.

DANGER!
Risk of injury when mounting or dismantling assemblies!

Use of the spare part lists for mounting or dismantling may result in grave personal damage or death!

- During mounting or dismantling operations, relevant descriptions of the operating manual must exclusively be followed.

12.2 Distribution agencies

Deutschland - Germany - Allemagne - Duitsland GÖLZ® GmbH Dommersbach 51 DE-53940 Hellenthal Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: info@goelz.de / Internet: www.goelz.de	
Österreich - Austria - Autriche - Oostenrijk GÖLZ® Ges.m.b.H Samstraße 52 A-5020 Salzburg Tel: +43 (0) 662 - 43 81 75 Fax: +43 (0) 662 - 43 07 34 E-Mail: info@goelz.at / Internet: www.goelz.at	**Frankreich - France - France - Frankrijk** GÖLZ® S.A.S. 1, rue de la Mairie F-67370 Berstett Tel: +33 (0)3.88.59.43.00 Fax: +33 (0)3.88.59.47.77 E-Mail: info@golz.fr / Internet: www.golz.fr
Großbritannien - Great Britain - Grande-Bretagne - Groot-Brittannië GÖLZ® (UK) Ltd. Unit A5, Springhead, Enterprise Park Northfleet Kent DA11 8HB Tel: +44 1 474321679 Fax: +44 1 474321477 E-Mail: info@goelz.co.uk / Internet: www.goelz.co.uk	**Benelux** GÖLZ® Benelux Eupener Straße 61 BE-4731 Raeren-Eynatten Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: benelux@goelz.de / Internet: www.goelz-online.com
Australien - Australia - Australie - Australië GOLZ® Pty Ltd. 44 Stanley Street Peakhurst, NSW 2210 Tel: +61 (0) 2 9534 5599 Fax: +61 (0) 2 9534 5588 E-mail: info@golz.com.au / Internet: www.golz.com.au	**USA** GOLZ® L.L.C. 5860 East Osage Ridge Lane Columbia MO 65203-6018 Tel: +1 573 474 4961 E-Mail: info@golzusa.com / Internet: www.goelz-online.com

NOTE!
In order to avoid wrong deliveries the information the ordering information should be checked for accuracy and completeness before sending it! Completely indicate the delivery address!

So bekommen Sie schnell und richtig Ihr Ersatzteil	**Always indicate**	**Pour obtenir rapidement les pièces de rechange indiquer**
• Maschinentyp gemäß Typenschild • Baujahr gemäß Typenschild • Artikelnummer gemäß Ersatzteilliste • Maschinennummer gemäß Typenschild	• machine type according to nameplate • year of manufacture according to nameplate • order number according to spare part list • serial number according to nameplate	• type de la machine conforme de plaque d'identification • Année de construction selon plaque d'identification • Numéro de l'article selon la liste des pièces de rechange • numéro de la machine conforme de plaque d'identification
Für Bestellungen, Fragen und Informationen wenden Sie sich bitte an die zuständigen Stellen.	For orders, questions and information, please contact the competent departments.	Pour les commandes, questions et informations, veuillez-vous adresser aux points de ventes correspondants.

EU conformity declaration

GÖLZ® GmbH
Dommersbach 51
D-53940 Hellenthal
Deutschland

declares under sole responsibility that

Bauart:	**Drill rig**
Fabrikmarke:	**GÖLZ**
Typ:	**RD500**

comply with the relevant provisions of the Directives

2006/42/EG	**Maschinenrichtlinie**
2014/30/EU	**Elektro-Magnetische Verträglichkeit**

and has been developed and fabricated in compliance with the following standards valid as at the production date:

DIN EN 12348:2010-01	**Core drilling machines on stand - Safety**
DIN EN ISO 12100:2011-03	**Safety of machinery - General principles for design**

In the system with drilling motors:

2014/35/EU	**Low Voltage**
2002/44/EG	**Vibration**
2005/88/EG	**Noise emission**
2012/19/EU	**Electrical and electronic waste**

Technical documentation kept by:

GÖLZ® GmbH
Development and design

Year of construction and machine number are indicated on the unit

Hellenthal, 26.09.2024
GÖLZ® GmbH

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Managing Director