



MAXIMA®



ONLY FOR REAL PROFESSIONALS



COLONNA 500
Use and maintenance booklet

SERIAL NUMBER M

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1 Description

The drilling machines feature the practical construction know-how from decades of experience in cement drilling. A new patent allows the exact guidance of the pre-drilling unit, thus increasing the service life (retention) of the drilling crowns.

They are part of the performance characteristics of the drilling machine:

- Modern construction and ergonomic design enable efficient work and shorten working times
- Clearance-free roller movement inside the motor bearing housing and thus protection from dirt
- Articulation that can be set without levels for the guide pillar, which allows the most differentiated drilling angles
- Handy casing with support handle and pre-traction crank usable on both sides
- Fixing the motor housing at any height by means of an innovative pre-traction stop
- Thanks to the use of semi-finished products of extremely light and stable profile Platform with adjustment screws for balancing surfaces with height differences CE-compliant safety

1.1 Validity of these instructions for use

These operating instructions are only valid for COLONNA 500 type drilling machines. In addition, the operating instructions for the drilling motor enclosed must be observed.

1.2 Technical data

Technical data of the drilling support:


	COLONNA 500
Foot length	360 mm
Foot width	250 mm
Height approx.	1150 mm
Weight approx.	24 kg
Motor performance up to a maximum of	4 KW
Drilling crown diameter up to a maximum of	400 mm
Stop anchorage; minimum tensile force	M 16; 7.4 kN

Technical data of the drilling machine motor:


The technical data of the drilling machine motor can be found in the attached manufacturer's operating instructions.


2 Safety notices

2.1 Safety notices used in this documentation

	Notice!	This notice refers to particular technical aspects and methods that facilitate work.
!	Caution!	This notice draws attention to methods and procedures that must be followed in order to avoid damage to the component assembly, the entire system or other material values of the user .
	CAUTION!	This warning recalls methods, procedures or limitations that must be precisely adhered to in order to avoid injury to persons. Includes 'Caution'.

2.2 Correct use

	CAUTION!	Drilling machines are only intended for producing core holes in concrete, walls or similar construction materials. Maximum drilling diameter, see technical data. Any use beyond this limit endangers the user and the machine and is not permitted.
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	CAUTION!	Before the drilling procedure, make sure to <ul style="list-style-type: none"> • Not drill electrical, gas, oil or other cconduits. • Not jeopardise the statics of the building by drilling holes. • Not drill or perforate steel supports. • It cannot cause damage at the point of exit as it pierces a wall.
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2.3 Misuse

The drilling machine must not be used for:

- All kinds of mixing work, e.g. colour mixing or the like
- Drilling holes in the ground, e.g. for pillar holes
- Free-hand drilling

2.4 General safety warnings



	<p>!!! CAUTION DANGER OF DEATH !!!</p> <p>Drilling a live electrical conduit causes danger of death. The drilling machine can therefore be live.</p> <p>The protective switch against incorrect current therefore does not protect against this danger.</p>
CAUTION!	<ul style="list-style-type: none"> • The drilling machine complies with the current state of the art and the rules in force. However, dangers may also result from this equipment if it is used in an incorrect way by unqualified personnel or for unintended uses. • All persons involved in the operation and maintenance of the drilling machine must have read and understood all operating instructions and in particular the "Safety" section. The owner is recommended to request a written certification of this. • The correct use also includes the compliance with rules of assembly, disassembly, commissioning in operation and maintenance of the manufacturer . • The drilling machine must be operated, maintained and repaired by authorised, trained and instructed personnel. These personnel must have received special training on emerging dangers. • All ways of working that may restrict safety must be avoided. • Unauthorised persons may not work with the drilling machine. The user must assume responsibility in this respect. • The user is obliged to immediately notify changes to the drilling machine that could limit its safety. • The user is obliged to operate the drilling machine only in perfect conditions. • Arbitrary renovations or modifications affecting the safety of the drilling machine are not permitted. • All maintenance and assembly work on the drilling machine in general must be carried out with the machine stopped and the plug removed. • The drill operation in any case the local safety and accident prevention rules apply as well as the drill motor manufacturer's documents. • The connection to the mains power supply must be made by means of a two-phase earth leakage current circuit breaker (IPCE) (see drill motor manufacturer's documents). • The drilling machine must not be operated in an environment where explosion-protected equipment is required.

2.5 Operating safety warnings



CAUTION!

- All assembly work on the drilling machine (e.g. changing the drilling crown) must generally be carried out with the machine at standstill with the drilling machine motor switched off and the plug **disconnected**.
- In any case, the local safety and accident prevention regulations and the documents of the drilling machine motor manufacturer apply to the operation of the drilling machine.
- Fitted clothing must be worn when working with the drilling machine.
- Users with long hair must wear a hairnet over their hair.
- Drilling at a higher height than the head height is only permissible with a water-receiving device and a take-up stop.
- During drilling, the user must wear personal safety equipment such as hearing protection, rubberised protective gloves and goggles.
- The drill crown must not be touched during operation.
- The drilling machine in operation can cause serious injuries if it falls. Therefore avoid the danger zone of the drilling machine.
- Do not use levers or extensions to achieve a higher pre-traction force.
- The drilling machine can cause serious injuries. Before plugging in the cable, make sure that the motor ON/OFF switch is in the '0' position.
- A heavy drilling core inside a rotating drilling crown in the case of an unguided path outside the bore can cause strong oscillations, causing the drilling machine to detach. For this reason, when exiting the hole, the drilling machine's motor must be switched off shortly before totally coming out of the route.
- Improperly cut reinforcement rods can become jammed between the drill crown and the drill core, blocking and/or damaging the drill crown. Broken diamond cut segments must therefore be removed from the hole before continuing drilling.
- When drilling the drilling crown, switch off the motor, disconnect the plug and rotate backwards or forwards with a suitable flat spanner until the drilling crown comes off, at the same time pulling the drilling crown out of the hole.
- In the case of perforations in ceilings, fix the core of the perforation with underlying structures and close the danger sector below the perforation point.
- Cooling water can cause water damage. Drilling water must therefore always be extracted.
- In the case of perforations in hollow building components, clarify in which direction the water from the perforation runs in order to avoid damage.
- Only operate transmissions when the machine is stationary.

2.6 Areas of use

The drilling machine is intended exclusively for producing core holes in concrete, walls or similar building materials. Any kind of use beyond that intended should be considered improper and should therefore be avoided. Maximum drilling diameter, see technical data.

**CAUTION!**

The use of the drilling machine with loose masonry is not **permissible**, as it could dislodge the fixing anchor.

2.7 Supply

2.7.1 Packaging

The drilling machine is supplied in environmentally friendly packaging. Only cardboard, wooden crates, pallets and a reduced volume of recyclable plastic packaging are used as packaging material.

2.7.2 Delivery volume

Notice!

The delivery must be checked on delivery for transport damage and missing components.

The following are part of the delivery volume:

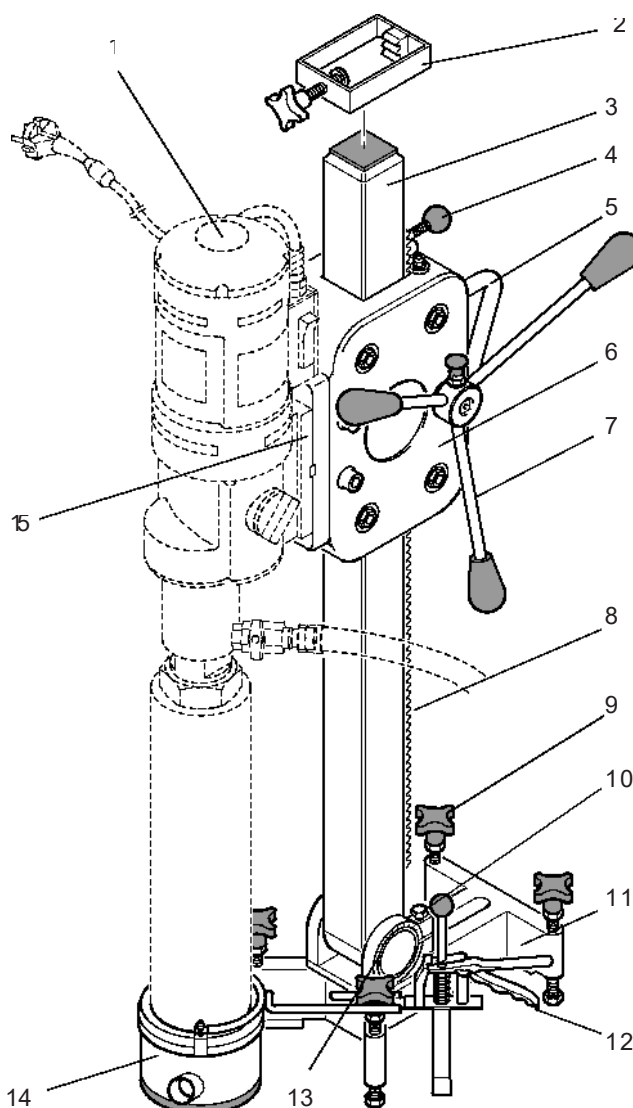
- The drill stand
- Instructions for use
- Accessories, if ordered.

3 Use

To perform core drilling with the drilling machine, the procedure described in chapters 3.2 - 3.9 must be followed. One must respect the warnings and act accordingly. Not observing the warnings limits the safety of the user, reducing efficiency when handling the drilling machine.

3.1 Name of components

- 1 Drilling machine motor
- 2 Return stop
- 3 Guide pillar
- 4 Pre-traction stop
- 5 Grip
- 6 Motor support casing for the drilling machine motor
- 7 Pre-traction crank
- 8 Toothed bar
- 9 Adjustment screws
- 10 Clamp screw for angle setting
- 11 Foot platform
- 12 Tension lever for drilling water collection ring
- 13 Degree scale for setting the drilling angle
- 14 Drilling water suction ring with connection for wet vacuum cleaner
- 15 Drilling machine motor support platform with distortion protection



3.2 Working positions

The drilling machine can be used to drill ceilings, floors or walls. For each area of application, the special safety instructions in chapters 3.2.1 to 3.2.4 must be adhered to.

The three main drilling directions (areas of application) are:

- **Floor position:** pre-traction direction **vertical downwards**
- **Wall position:** pre-traction direction **horizontal**
- **Position above the head:** pre-traction direction vertical upwards

3.2.1 Floor position



CAUTION!

A falling drill core can cause serious injuries. If a ceiling is drilled, the sector below the drilling point must be blocked and a substructure must be placed under the drilling core.

3.2.2 Wall position



CAUTION!

Before drilling a wall, the user must ensure that the back can be drilled freely and that no one is endangered.

3.2.3 Drilling above the head



CAUTION!

- **Drilling above the head is not permitted with the lower pressure platform.**
- **Drilling above the head should only be done with a functioning water collection device and with the use of a rubber membrane.**
- **The drill crown must not come out of the water collection device (from the rubber membrane) as water could otherwise seep into the drill motor.**
- The wet vacuum cleaner must not be switched off during drilling above the head.
- **The return stop must be used.**
- **Only an appropriate overhead anchor should be used for drilling above the head. Minimum extraction force, see technical data.**

3.2.4 Slanted drilling

Notice!

When drilling at an angle, care must be taken to work with a reduced pre-traction force until the drilling crown is fully inserted into the bore.

3.3 Fastening the drilling machine (foot platform)

There are four possibilities for fastening the foot platform:

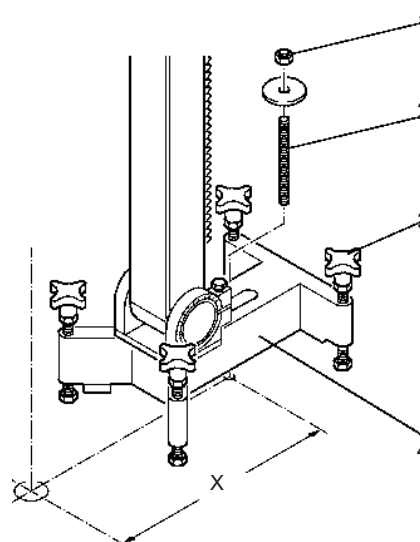
- Fastening with threaded rod and heavy-duty anchor or rebated anchor
- Fastening with threaded rod and counter-nut with pushing device
- Fastening with a bracket
- Fastening with a lower pressure platform and a vacuum pump

3.3.1 Fastening with threaded rod and heavy-duty anchor or rebated anchor

Fastening of the foot platform and support is preferably done **without the drilling motor**.

Notice!	<p>In order to ensure sufficient fastening, only heavy-duty or rebated anchors permitted by the building inspection authority should be used.</p> <p>In the area above the head, only use anchors suitable for the traction zone.</p> <p>Minimum tractive force, see technical data.</p>
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- Drill an anchor hole at a distance of X mm (see image 2) from the centre of the hole.
- Insert the rebate anchor and secure it.
- Screw in the threaded rod (2).
- Push the foot platform (4) with the guide pillar.
- Insert the lower disc and lightly mount the nut (1).
- Align the foot platform (4) with adjusting screws (3).
- Tighten the nut (1).



Fastening with threaded rod

- 1 Nut
- 2 Threaded rod
- 3 Adjustment screws
- 4 Foot platform
- X = 450 mm

3.3.2 Fastening with threaded rod and locknut with disc

If for any reason the substrate does not provide sufficient support for the anchorage, a threaded rod must be used that can pass through the wall, wall or ceiling and is equipped with a lower disc or nut on the opposite side.

3.3.3 Fastening with a bracket

- Orient the foot platform according to the centre of the hole.
- Orient the guide pillar vertically (no angle of inclination = 0 degrees).
- Position the motor support housing on the guide pillar, see chapter 3.5
- Manually screw the support up to the stop in the guide pillar. Insert a support between the ceiling and the support and fix it manually by slightly rotating the support upwards.
- Orient the run-out support in relation to the drilling machine pillar.
- Secure the drill stand with a flat spanner by turning the stand upwards.

Notice!

In order to ensure sufficient fastening, the type of fastening by the support should only be used in the case of vertical supports of the drilling machine and in the presence of a horizontal foundation.

Only use stable supports between the support and the ceiling.

Orient the support in the gap to the drilling machine pillar between the **ceiling and the support**.

Only pull out the visible thread of the support by rotation up to a maximum length of 90 mm from the guide pillar.

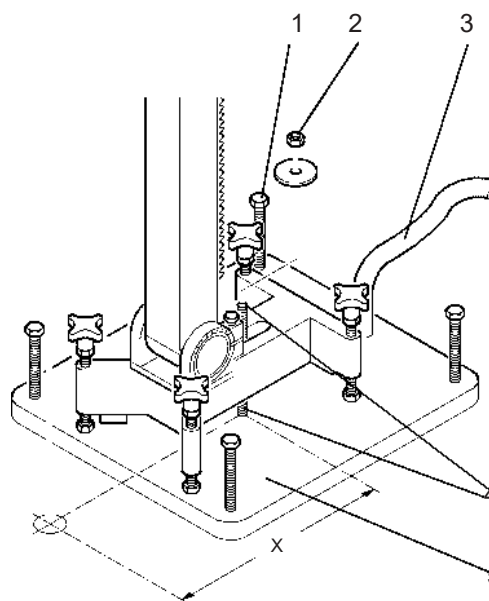
During the drilling process, observe that the support holds **firmly**.

3.3.4 Fastening by a pressurised lower platform

**CAUTION!**

Fastening with lower pressure is not permitted for overhead drilling.

- Orient the lower pressure platform (5) at a distance of X mm (see image 3) from the centre of the drill hole in the direction of the threaded rod (4).
- Connect the lower pressure hose (3) with the lower pressure platform (5) and switch on the vacuum pump.
- Mount the lower pressure platform in a suitable position and fit it by vacuum.
- As soon as there is a lower pressure of at least 0.7 bar, the adjusting screws (1) must be turned inwards until the platform is stabilised.
- Push the foot platform onto the threaded bar (4) and secure it with the disc and nut (2).
- Orient the guide pillar and pull the nut (2) tight.
- Since this type of fixing depends on the foundation, it can only take place on a smooth, level and non-porous foundation. When fixing, it must be ensured that the floor covering is firmly connected to the foundation without being able to detach (e.g. in the case of tiles, floor coverings, floating wooden floors, etc.).

**Fastening by a pressurised lower platform**

- 1 Adjustment screw
- 2 Nut
- 3 Lower pressure hose to vacuum pump
- 4 Threaded rod
- 5 Lower pressure platform
- X = 300 mm in **COLONNA 500** type

**Caution!**

The COLONNA 500 type drilling machine must not be operated with a pressurised lower platform.

Activate the pre-traction only to the point where the lower pressure platform cannot lift. Observe the lower pressure gauge during the drilling procedure. The lower pressure must not fall below 0.7 bar.

3.4 Set the inclination of the guide pillar

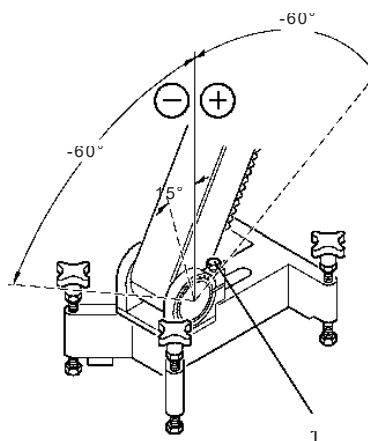


Caution!

Strongly tilting the guide pillar forwards **decreases the maximum diameter of the drilling crown.**

Loosen both clamp screws (1).

- The guide pillar can be swung in the desired direction.
- Retighten both clamp screws (1).
- Maximum range of oscillation $\pm 60^\circ$.



Shifting the angle of inclination

1 Screws with clamp for setting the angle of inclination (left + right)



Caution!

If the guide pillar is swung forwards with force (in the direction of -60°), care must be taken not to puncture the threaded rod and/or the stop anchor.

3.5 Mounting the motor support casing



CAUTION!

Before mounting the **motor mount casing with the drilling machine motor, pull the plug.**

Danger of injuring yourself by getting your fingers caught between the guide pillar and the motor mount casing. For this, mount the motor mount casing with one hand on the handle and the other hand on the **drilling machine motor.**

- Orient the guide pillar.
- Mount the motor mount casing.

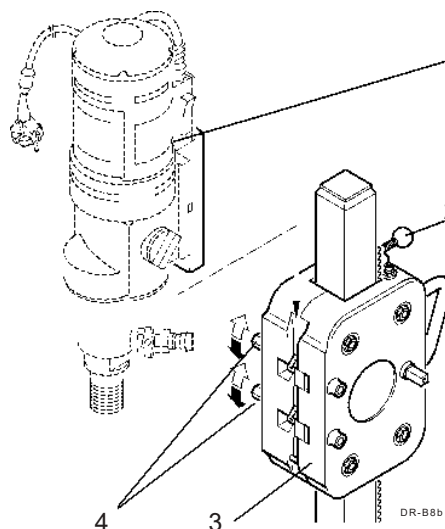
3.6 Motor change with quick closing



CAUTION!

Before assembling or changing the drilling machine motor, unplug it.

- Lock the casing of the motor support (3) with the pre-traction stop (2).
- Open the clamp screws (4)
- Insert the drilling motor (1) from above in the direction of the arrow up to the stop inside the quick-release fastener.
- Secure the drilling machine motor (1) with the clamp screws (4), fasten the clamp screws (4) tightly with the spanner or pre-traction crank. Turn in the direction of the black arrow = clamps Turn in the direction of the white arrow = loosen
- Replacing or dismantling the drilling machine motor (1) takes place in the opposite sequence.



- 1 Drilling machine motor
- 2 Stopping pre-traction
- 3 Motor support casing
- 4 Clamp screws



Caution!

Attention must be paid to the fact that the dimensions of the drilling machine motor must correspond to those of the platform of the drilling machine motor holder. (see technical data in chapter 1.2)

3.7 Insert the drill crown and select the correct speed

- Screw the drilling machine crown onto the drive shaft of the drilling machine motor.

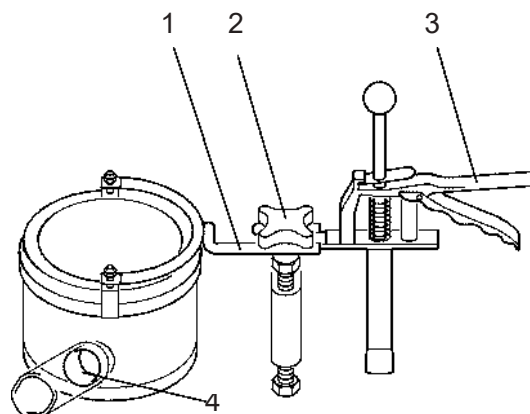
In order to ensure long life times of the drill crowns with a tensioning performance that is both high and economical, we recommend a drill motor speed that depends on the diameter of the drill crown and the material being processed. The number of rpm to be set can be found in the designation and/or operating instructions of the drilling machine motor.

Notice!	If drilling crowns with a diameter greater than Ø350 mm are used for COLONNA 500 models, a spacer must additionally be mounted between the drill motor support platform and the drill motor.
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3.8 Fixing the **drilling** water suction ring

The following order must be observed when installing the water suction ring of the drill hole:

- Push the tensioning fork (1) onto the adjustment screw (2) of the foot platform.
- Insert the drill crown into the drill water intake ring.
- Secure the water intake ring with the tensioning grip (3).
- Connect and switch on the wet vacuum cleaner by the suction hose (4).



Caution! The water pressure **can be a maximum of 2 bar.**

- Connect the water.
- Open the water shut-off valve.

Drilling water intake ring

- 1 Tensioning fork
- 2 Tensioning screw
- 3 Tensioning grip
- 4 Suction hose

Notice!

After drilling the core:

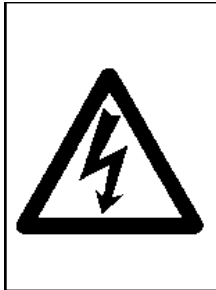
- Close the water shut-off valve.
- Switch off the wet vacuum cleaner.

The wet vacuum cleaner must have a **minimum** rated output of **2000 W**.

A wet vacuum cleaner **is only necessary for floor drilling**.

In the case of holes in the wall, swing the nozzle down. The wet vacuum can be used if necessary.

3.9 Activate pre-traction



!!! DANGER OF DEATH !!!

Drilling through a live external electrical conduit can be life-threatening. This could make the drilling machine live.

The wrong-current protection switch does not protect against this danger .

Caution!

Do not use levers or extensions to achieve a higher pre-traction force.

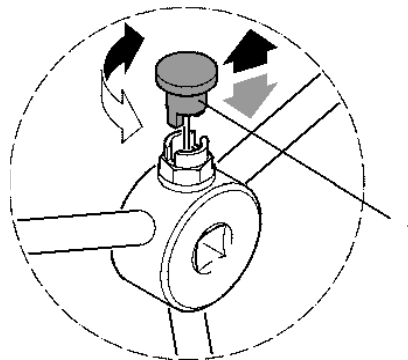
To avoid total damage to the drilling crown, care must be taken that sufficient cooling water reaches the interface/diamond cut.

Do not overload the drilling machine motor by too great a pre-traction force. The slippery coupling must not slip through it more than 2-3 seconds.

- Make a sufficient water supply available before activating the pre-traction unit.
- Activate the pre-traction crank manually.

The pre-traction crank for better handling of the drilling machine and adapting to the respective drilling situation must be used on both the right and left side. To switch the pre-traction crank from one side to the other, proceed as follows:

- Raise the stop button (1).
- Turning the stop button (1) 90° to the left or right keeps it in the disengaged position.
- Pull out the pre-traction crank in axial direction.
- Insert the pre-traction crank on the axial shaft on the opposite side.
- By turning the stop button (1) 90° degrees, secure the pre-traction crank.



Stopping the pre-traction crank

1 Stop button



CAUTION!

During the slippage of the pre-traction crank from the shaft, the drilling machine loses control. For this, the pre-traction crank must be securely positioned on the shaft. Care must be taken that the fastening bolt is firmly seated in the bag hole.

4 Accessories

Accessories broaden the scope of use of the drilling machine, simplifying and accelerating its work. The accessories listed below can be ordered from your drilling machine supplier:

- Safety box with incorrect-current protection switch (IP)
- Heavy-duty tank with a permissible load of 5.7 kN
- Threaded rods
- Drilling crowns in all usual diameters
- Drilling machine crown extensions
- Drilling water collection ring in different diameters
- Overhead drilling recovery stop
- Lower pressure platform with vacuum pump
- Stainless steel foot console
- Guide pillars
- Wheel axles
- Drilling centre indicator
- Transmission gear
- Tension neck adapter
- Oscillator
- Supports
- Drilling machine base motor support platform
- Spacer 120 mm
- Spacer 170 mm

Our extensive range of accessories is constantly being adapted to customer requirements. Please contact our technical service for information.

4.1 Support mounting and setting



CAUTION!

Before performing setting work at the drill stand, pull out the socket.

- Secure the component with clamp (3) to the guide pin (1) by hexagonal screws (2).
- Fasten the component with foot clamp (7) to the foot console (9) by a hexagonal screw (8).
- Attach the hexagonal screw of the joint clamp (10).
- Align the guide pillar (1) at the desired angle and clamp the support fork (6) to the support tube (4) by a shifting lever with clamp (5).
- Tighten the hexagonal screw of the joint clamp (10).

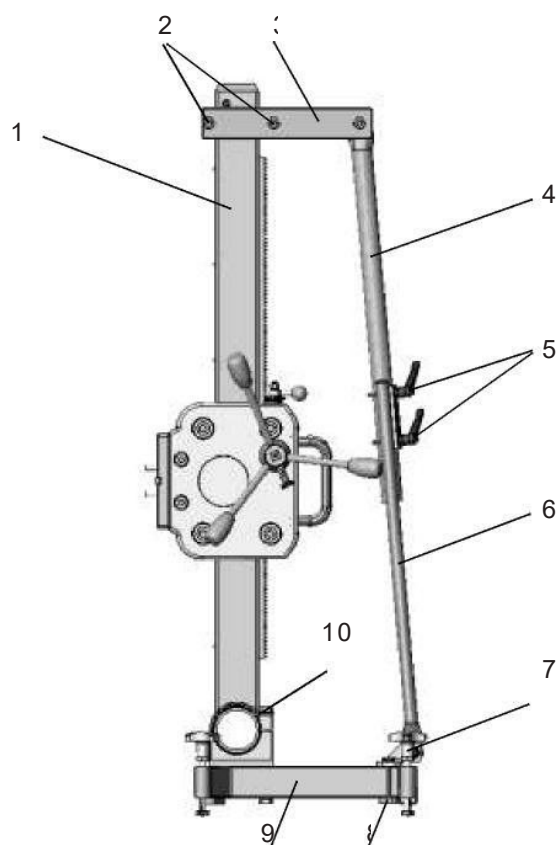


Image 8 COLONNA 500 support

- 1 Guide pillar
- 2 Hexagonal screw
- 3 Piece with clamp
- 4 Support tube
- 5 Shift lever with clamp
- 6 Support fork
- 7 Foot piece with clamp
- 8 Hexagonal screw
- 9 Foot console
- 10 Joint clamp

5 Maintenance

5.1 Inspection

The following inspection work must be carried out **prior to each drilling procedure**:

- Check electrical connections
- Visual inspection of condition, water resistance and cleanliness

The following inspection work is to be carried out **monthly**:

- Check the fixed position of screws and fastening components.

Notice!	Pay particular attention to the fixed positioning of the toothed bar and the pre-traction stop.
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- Check whether the pre-traction crank works easily.
- Check the ease of operation of the transmission and its noise.
- Check the guide pillar for wear and damage.
- Check the clearance of the motor support casing.

5.2 Maintenance



CAUTION!	Only carry out cleaning work with the plug disconnected.
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Maintenance is limited to cleaning the drilling machine.

Never clean the drill motor with water or wet rags.

Notice!	For maintenance work on the drilling machine motor, please refer to the enclosed documentation from the motor manufacturer.
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5.3 Corrective maintenance

If, in addition to the care, cleaning and measures described in Chapter 5.3.1, other setting and correct maintenance work is required, the drilling machine must be sent to the manufacturer for repair. Alternatively, a workshop authorised by the manufacturer can carry out corrective maintenance work.

5.3.1 Setting roller guide clearance



CAUTION! Disconnect the plug before setting up the drill support.

- Loosen nuts (1) (4 pieces)
- Unscrew the cover screws (3) (4 pieces)
- Re-tighten all four headless screws (2) by hand with the internal hexagonal screwdriver evenly until the motor support housing can be pushed onto the guide pillar with slight pre-tensioning.
- Tighten the nuts (1) securely with a spanner (turn = 60 Nm)
- Turn the cover screws (3) inwards and draw them in slightly

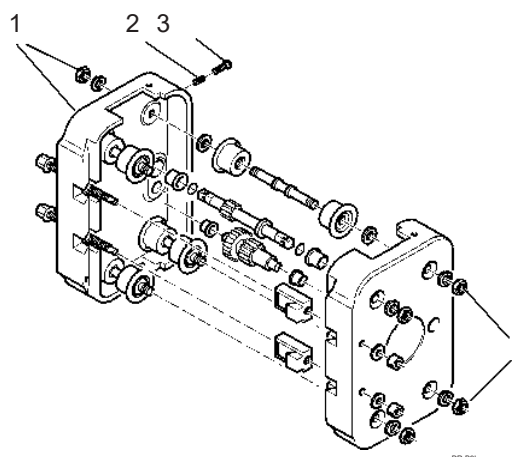


Image 9 Motor support casing

- 1 Nut
- 2 Headless screw
- 3 Cover screw

6 Spare parts

6.1 Spare parts stock

Having a stock of the main spare and wear parts close to the place of use is a prerequisite for the high level of operational availability of the drilling machine.

The assembly and/or use of spare parts not supplied or authorised by us may alter the prescribed characteristics of the drilling machine and thus limit its active and/or passive safety. For damage caused by the use of non-original parts the manufacturer's liability and warranty are excluded.

6.2 Ordering Spare Parts

When ordering spare parts, please use the illustrated spare parts list. The following data must be indicated in the order:

Type

Year of construction

Processing number (see name sign)

Order number

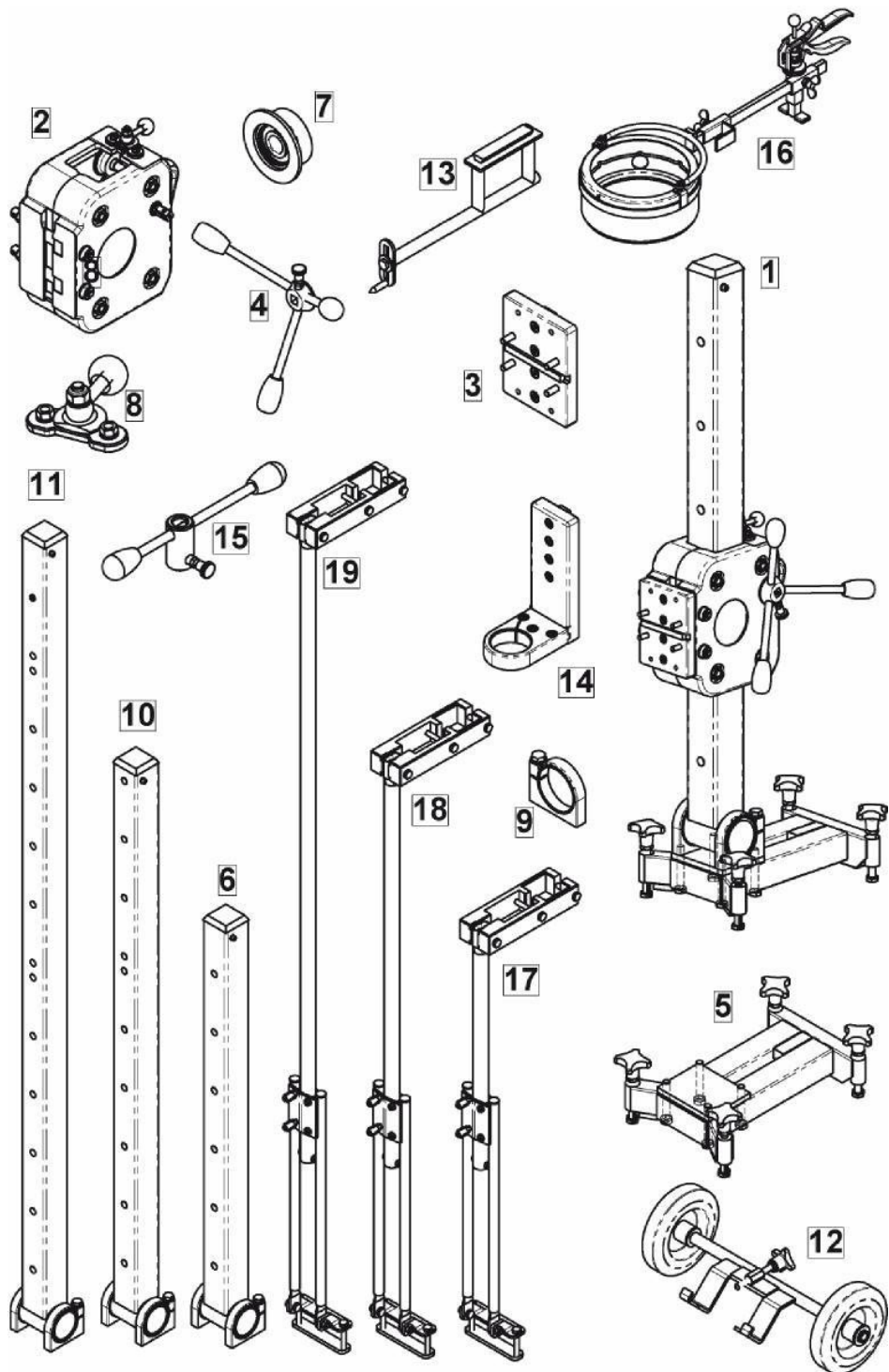
Name

Number of pieces.....

Customer's address

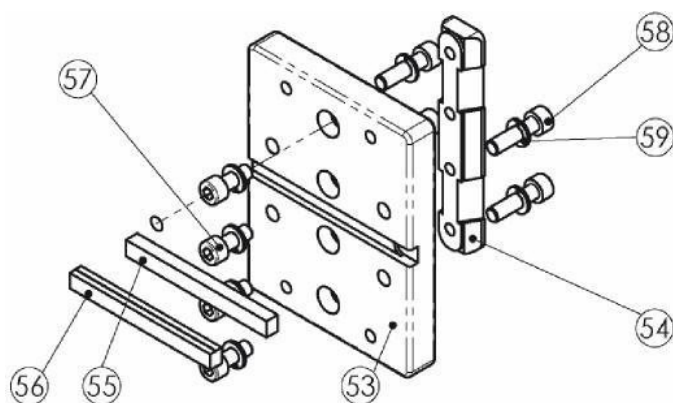
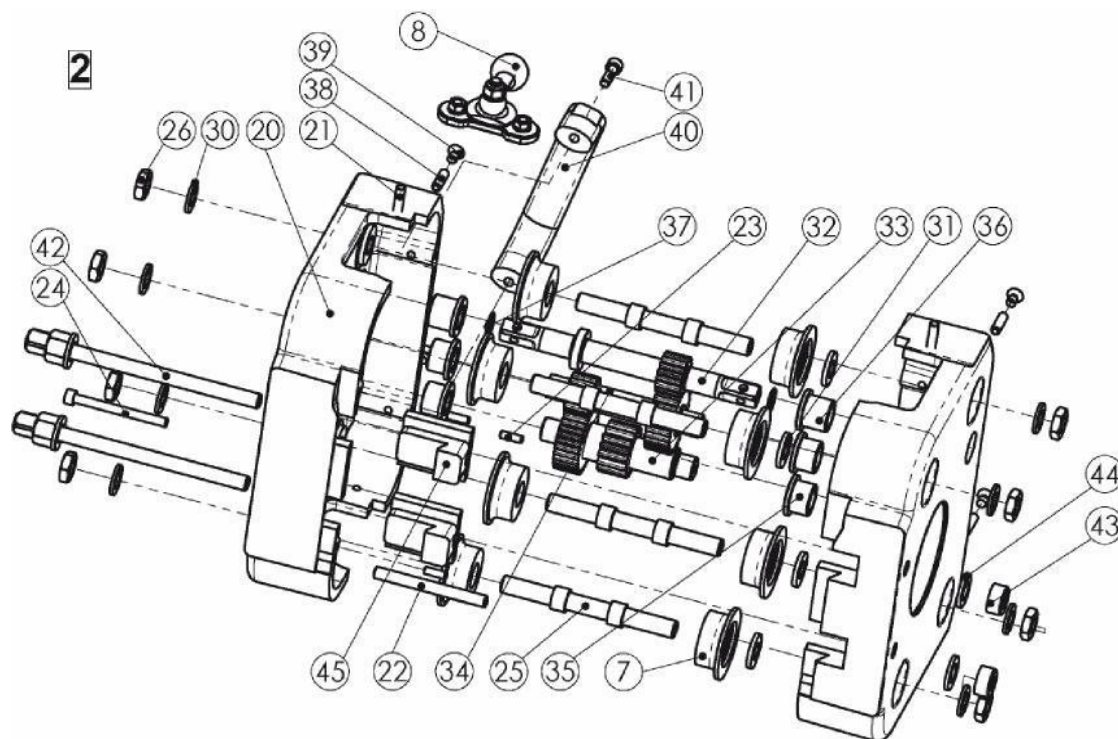
Notice!	Please provide full details. Only in this way can our proven spare parts be delivered quickly and correctly.
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6.3 Spare parts list COLONNA 500



Pos.	Name	Number order	Observation
1	COLONNA 500	COL500IN	Standard complete without colour and hard-coat
2	Casing	25010KFK	Neutral complete without colour and hard-coat
3	Support platform of the drill motor	250118KFK	Complete
4	Crank	25020K	Complete
5	Steel foot console	25040STK	Complete
6	Guide pillar 1000 mm	25060KFGK	Complete with joint clamp
7	Rollers	25015K	Complete
8	Pre-traction arrest	250310K	Complete
9	Articulation band	25050K	Complete
10	Guide pillar 1400 mm	6006014KFGK	Complete with joint clamp
11	Guide pillar 2000 mm	6006020KFGK	Complete with joint clamp
12	Wheel axle	25046K	Complete
13	Drilling centre indicator	250101K	Complete
14	Tensioning neck adapter	150110K	Complete
15	Oscillator	60030K	Complete
16	Water collection drilling ring Ø 202	25090K	Complete
17	Support 1000 mm	2501500K	Complete
18	Support 1400 mm	2501600K	Complete
19	Support 2000 mm	2501700K	Complete

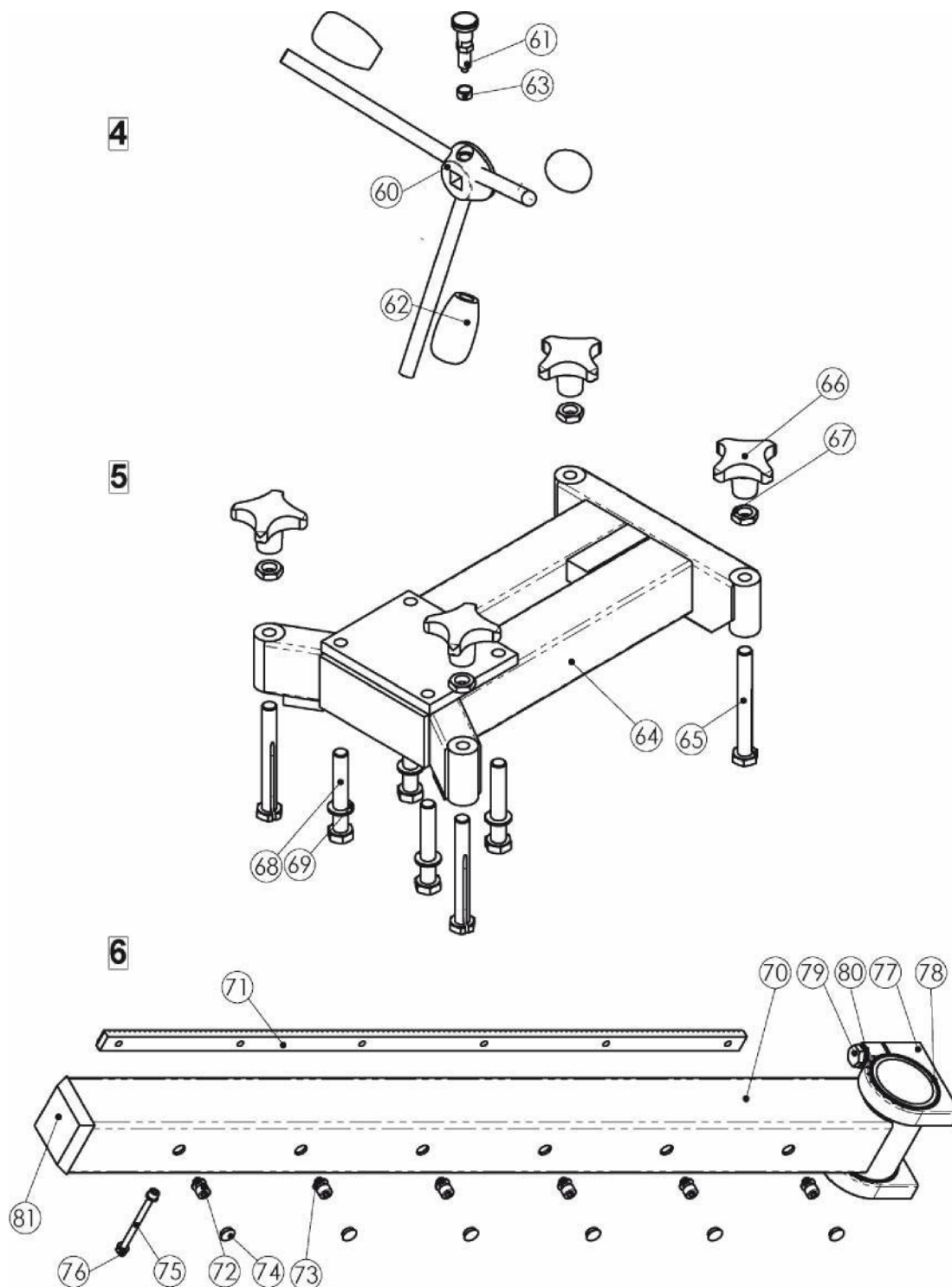
Spare parts list pos. 2 casing, pos. 3 drilling machine motor support platform



Pos.	Name	Order number	Observation
7	Rollers	25015K	Complete
8	Pre-traction arrest	250310K	Complete
20	Half casing	25011KF	Neutral complete without colour and hard-coat
	Half casing	25011K F	With colour

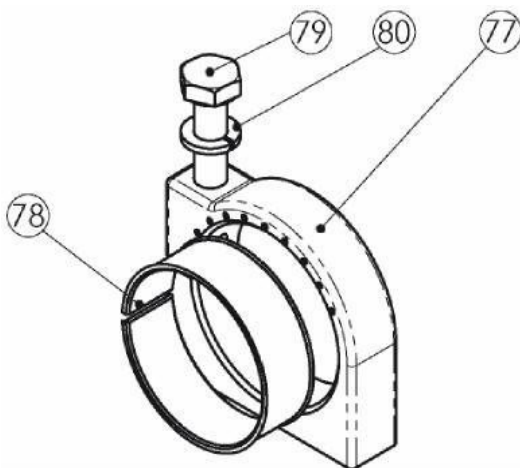
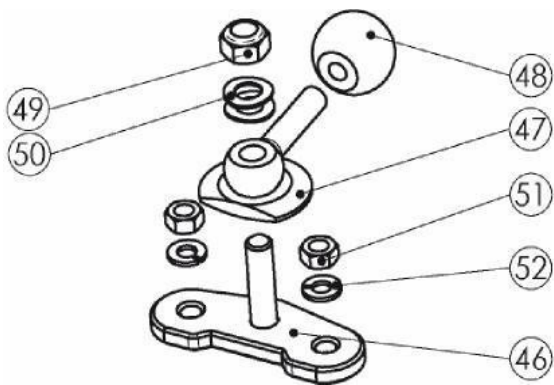
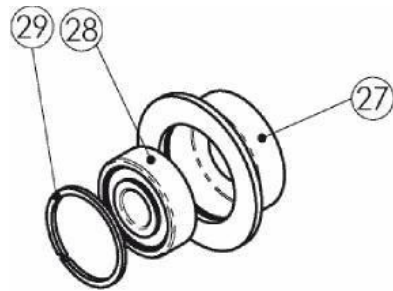
Pos.	Name	Number order	Observation
	Half casing	25011KFFH	With colour and hardcoat
21	Hexagonal screws	250127	Hexagonal M 6x22
22	Alignment pin	250124	8x80
23	Alignment pin	250125	5x16
24	Internal hexagonal screw	250131	M6x65
25	Axes	25012	
26	Hexagonal nut	25013	Flat M12x7
30	Spring disc	25014	
31	Lower disc for bearing	250141	
32	Toothed shaft	25017	
33	Dual toothed shaft	250122	
34	Dual toothed shaft	600122	
35	Bushing bearing	250123	
36	Bushing bearing	150110	
37	Disc in material synthetic	25018	(Ring 0) Ø 16
38	Threaded bar	250111	Hexagonal 6x20
39	Lowered round head screw with cross notch	250112	6x10
40	Grip	250113	
41	Internal hexagonal screw	250114	6x25
42	Tensioning screw	250115	
43	Setting ring	150128	
44	Lower disc	25056	Ø 10
45	Tensioning stand	250116	
53	Drilling machine motor support platform	250118KF	
54	Tensioning block	250117	
55	Spring-loaded rod	250119	
56	Spring-loaded rod	250120	
57	Internal hexagonal screw	250121	M8x20
58	Internal hexagonal screw	250130	M8x30
59	Spring disc	250129	Ø 8

Spare parts list pos. 4 crank, pos. 5 steel foot console, pos. 6 guide pillar 1000 mm



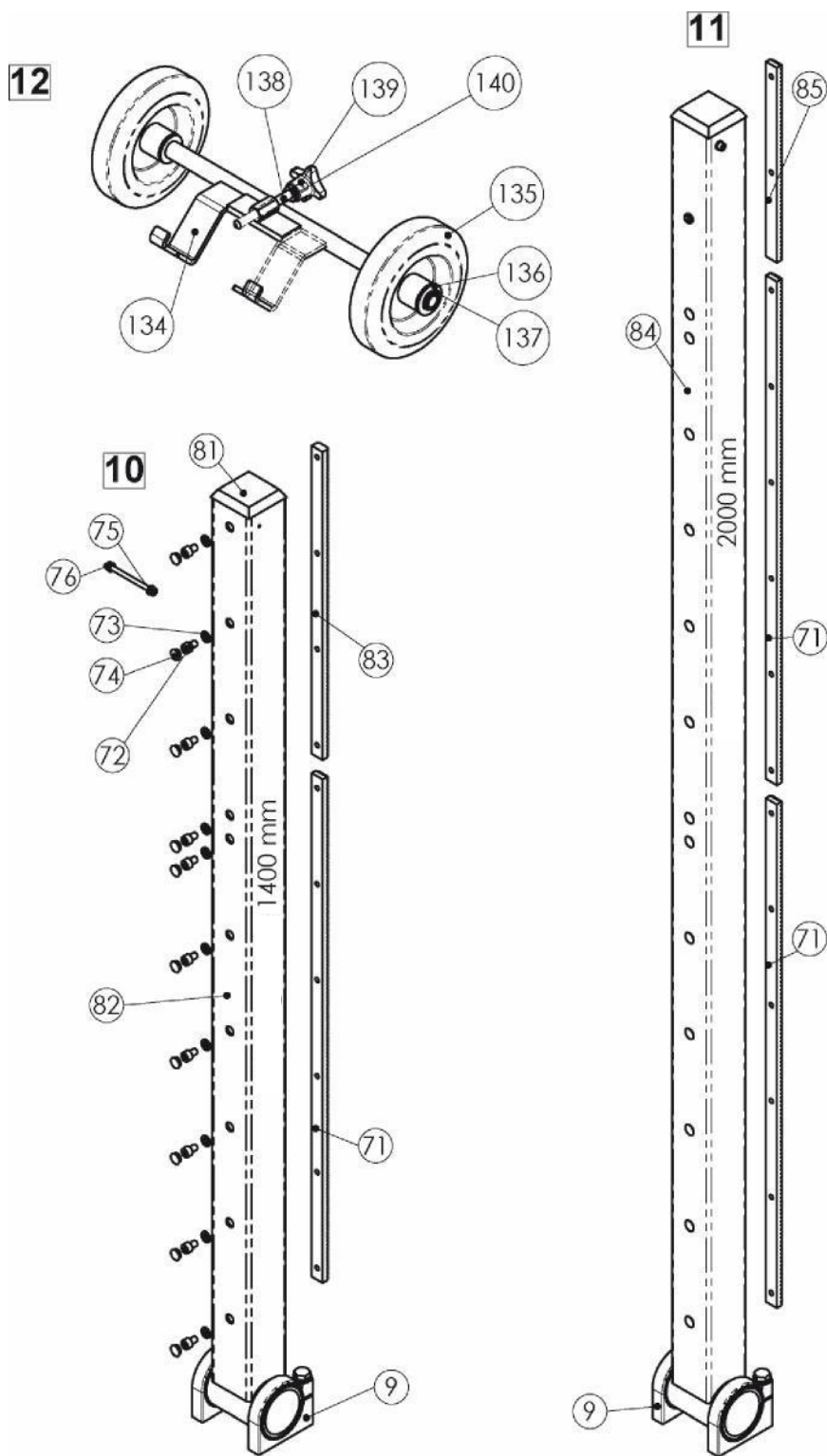
Pos.	Name	Number order	Observation
60	Crank body	25021	
61	Tightening bolt	25022	
62	Switch button	25023	
63	Spacer ring	25024	
64	Steel foot body	25041ST	
65	Setting screw	25042	
66	Cross grip	25043	Aluminium M12
67	Hexagonal nut	25013	Flat M12
68	Hexagonal screw	25057	M12x70
69	Spring ring	25055	Ø 12
70	Pipe	25061KF	
71	Toothed bar	25062	
72	Internal hexagonal screw	25063	M8x12
73	Spring ring	25064	Ø 8
74	Blind cap	25065	Ø 13
75	Hexagonal screw	250611	Stop M10x80
76	Hexagonal nut	250612	Self-fastening M10
77	Body of the joint clamp	25051	
78	Brass ring	25052	
79	Hexagonal screw	25054	10.9 M10x45
80	Lower disc	25056	Ø 13
81	Cover hood	250617	

Spare parts list pos. 7 rollers, pos. 8 pre-traction stop, pos. 9 joint clamp



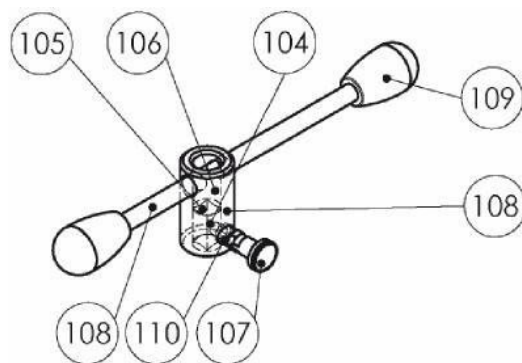
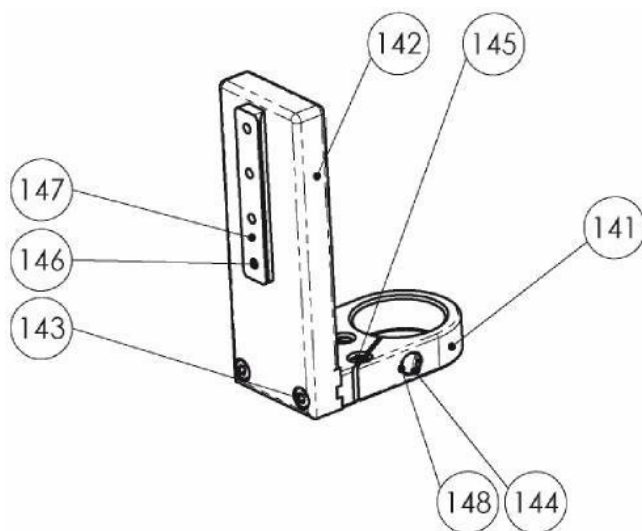
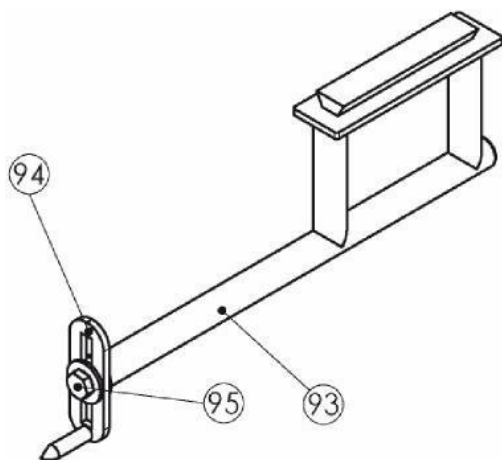
Pos.	Name	Number order	Observation
27	Roller	25015	
28	Ball bearing	25016	
29	Fixing ring	250151	
46	Pre-traction stop base platform	250311	
47	Disc rotating part	250312	
48	Ball grip	250313	
49	Hexagonal nut	250314	Self-fastening M8
50	Spring disc	250129	Ø 8
51	Hexagonal nut	25037	Self-fastening M6
52	Lower disc	25038	Ø 6
77	Body of the joint clamp	25051	
78	Brass ring	25052	
79	Hexagonal screw	25054	10.9 M12x50
80	Lower disc	25056	Ø 13

Spare parts list pos. 10 guide pillar 1400 mm, pos. 11 guide pillar 2000 mm, pos. 12 wheel axle



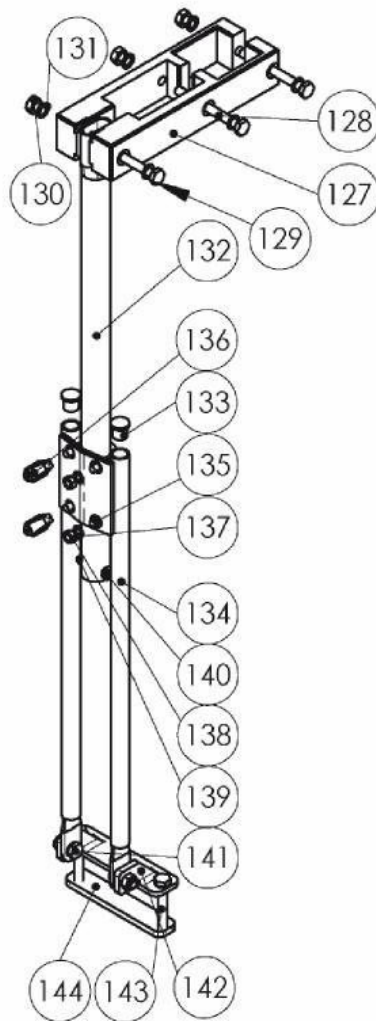
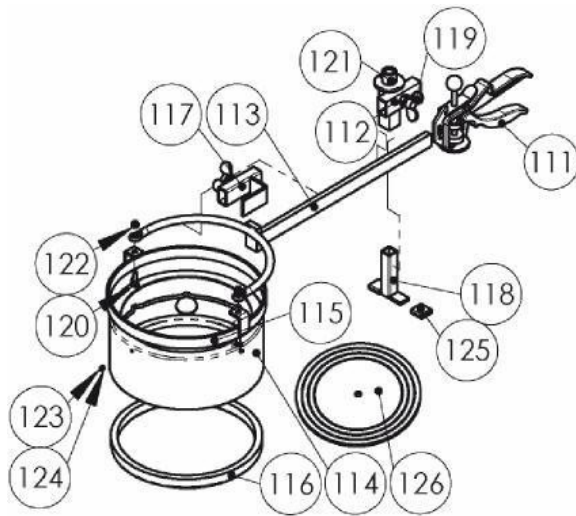
Pos.	Name	Number order	Observation
9	Joint clamp	25050K	Complete
71	Toothed bar	25062	
72	Internal hexagonal screw	25063	M8x12
73	Spring ring	25064	Ø 8
74	Blind cap	25065	Ø 13
75	Hexagonal screw	250611	Stop M10x80
76	Hexagonal nut	250612	Self-fastening M10
81	Cover hood	250617	
82	Pipe	6006114KF	
83	Toothed bar	600621	
84	Pipe	6006120KF	
85	Toothed bar	600622	
134	Wheel axis body	25047	
135	Positioning wheel	25048	
136	Lower disc	25049	
137	Fixing ring	250410	
138	Threaded bolts	250411	
139	Cross grip	15035	Aluminium
140	Hexagonal nut	25036	Flat

Spare parts list pos. 13 drill centre indicator, pos. 14 tensioning neck adapter, pos. 15 oscillator



Pos.	Name	Number order	Observation
93	Drilling centre indicator body	250102	
94	Drilling centre indicator arm	250103	
95	Hexagonal screw	250104	M10x20
104	Hub	60031	
105	Spring	60034	
106	Lower disc	60033	Ø 10
107	Tightening bolt	25022	
108	Round material	60032	
109	Switch button	25023	
110	Spacer ring	60035	Ø 10
141	Tensioning neck	150111	
142	Tensioning neck platform	150112	
143	Hexagonal screw	150113	Fastening M8x45
144	Hexagonal screw	150114	Tensioner M8x50
145	Transverse threaded bolt	150115	
146	Hexagonal screw	150131	Tensioning block M8x22
147	Tensioning block	150117	
148	Spring disc	250129	Ø 8

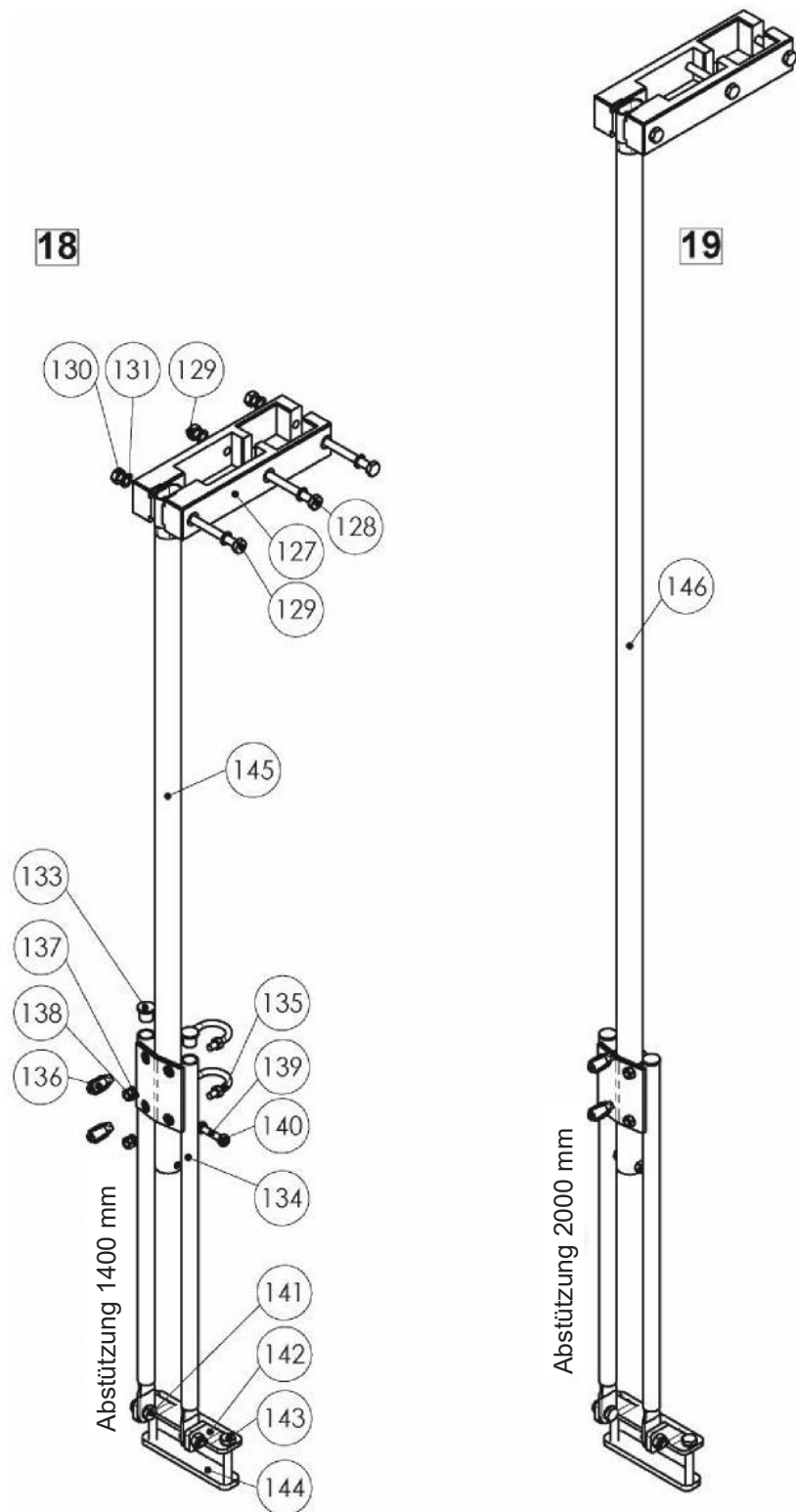
Spare parts list pos. 16 drilling water collection ring Ø 202, pos. 17 support 1000 mm



Pos.	Name	Number order	Observation
111	Tensioning grip	25091	
112	Supply device	25092	
113	Tensioning fork	25093	
114	Collection ring	25094	
115	Support ring	25095	
116	Waterproof rubber	25096	
117	Traction fork	25097	
118	Pressure piece	25098	
119	Winged screw	25099	M10x20
120	Hexagonal lowered screw	250910	M6x25
121	Internal hexagonal screw	15063	M6x12
122	Hexagonal nut	25037	Self-fastening M6
123	Cylindrical screw	250911	M4x6
124	Hexagonal nut	250912	M4
125	Rubber sleeves for pressure part	250913	
126	Membranes	2508.7	
127	Self-fastening device to the pillar	2501601	
128	Hexagonal screw	2501602	M10x100
129	Hexagonal screw	2501603	M10x100
130	Hexagonal nut	250612	Self-fastening M10
131	Spring disc	2501605	Ø 10
132	Supporting pipe	2501506	Ø 33 x 620 mm
133	Hoods in synthetic material	2501607	
134	Supporting fork	2501608	
135	U-bracket	2501609	
136	Displacement clamp lever	2501610	
137	Spring disc	250129	M8
138	Hexagonal nut	2501612	M8
139	Hexagonal screw	2501613	M8x40
140	Hexagonal nut	250314	Self-fastening M8
141	Hexagonal screw	2501615	M10x30
142	Foot self-fastening component	2501616	
143	Hexagonal screw	15057	M10x65

Pos.	Name	Order number	Observation
144	Foot self-fastening platform	2501618	

Spare parts list pos. 18 support 1400 mm, pos. 19 support 2000 mm



Pos.	Name	Order number	Observation
127	Self-fastening device to the pillar	2501601	
128	Hexagonal screw	2501602	M10x100
129	Hexagonal screw	2501603	M10x100
130	Hexagonal nut	250612	Self-fastening M10
131	Spring disc	2501605	Ø 10
133	Hoods in material synthetic	2501607	
134	Supporting fork	25016.08	
135	U bracket	2501609	
136	Displacement clamp lever	2501610	
137	Spring disc	250129	Ø 8
138	Hexagonal nut	2501612	M8
139	Hexagonal screw	2501613	M8x40
140	Hexagonal nut	250314	Self-fastening M8
141	Hexagonal screw	2501615	M10x30
142	Foot self-fastening component	2501616	
143	Hexagonal screw	15057	M10x65
144	Foot self-fastening platform	2501618	
145	Supporting pipe	2501606	Ø 33 x 1050 mm
146	Supporting pipe	2501706	Ø 33 x 1650 mm

EC DECLARATION OF CONFORMITY

HEADER

MAXIMA SpA, Via Matteotti, 6 – 42028 Poviglio (RE)

OBJECT OF THE DECLARATION:

PROFESSIONAL COLUMN FOR CORE DRILL

TRADEMARK:



MODEL:

COLONNA 500

SERIAL NUMBER:



We declare under our sole responsibility that this product complies with the following standards and normative documents: EN ISO 12100:2011-03, EN ISO 13857:2008-06, EN 349:2008-09, EN 12348:2010-01

EC Machinery Directive 2006/42/EC - Electromagnetic Compatibility 2004/108/EC - Low Voltage Directive 2006/95/EC

Poviglio (RE), 23.04.2013

A handwritten signature in black ink, appearing to read "Mirco Dall'Olio".

CEO
i.t. Mirco Dall'Olio

COLONNA 500



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