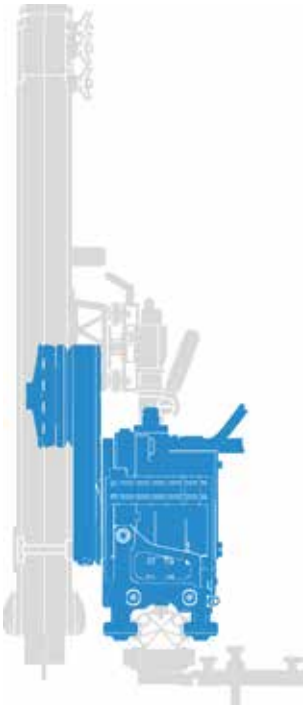
PREMIUM

OPERATING INSTRUCTIONS

WSE912

Index 000



Translation of the original operating instructions
11009214 en / 12.02.2025

CE

Congratulations!

You have chosen tried and tested Tyrolit Hydrostress equipment that sets technological standards for the industry. Only genuine Tyrolit Hydrostress spare parts guarantee quality and problem-free replacement. If maintenance work is neglected or not performed correctly, we cannot cover our warranty obligations. All repairs must be performed by trained specialist personnel only.
Our Customer Service is at your disposal to help keep your Tyrolit Hydrostress equipment in perfect condition.
We wish you smooth, trouble-free working.

Tyrolit Hydrostress

Tyrolit Hydrostress AG
Witzbergstrasse 18
CH-8330 Pfäffikon
Switzerland
Phone 0041 (0) 44 952 18 18
Fax 0041 (0) 44 952 18 00

www.tyrolit.com

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1 Safety

1.1 General safety information

INFORMATION
This instruction booklet is just part of the documentation for the wall saw. This booklet is only complete together with the "Wall saw safety manual/system manual."

DANGER
Failure to observe the safety instructions in the "Safety Manual / System Manual" and the operating instructions may result in death or serious injury.
- ►Ensure that the "Wall Saws Safety Manual / System Description" and the operating instructions have been read and understood in full.

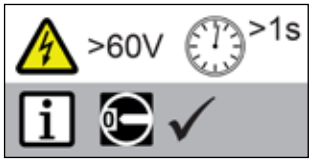
DANGER
Risk of cut injuries due to saw blade!
- ►Wear protective gloves when working on the wall saw, especially on the saw blade.
- ►Operate the wall saw only with the blade guard.

DANGER
Serious injury or damage to property due to uncontrolled movements of the wall saw!
- ►Do not connect or disconnect cables while the wall saw is running.

DANGER
Death or serious injury if the machine starts up unexpectedly!
- ►Before switching on the system, make sure that there are no persons in the danger zones.
- ►Switch off the system when leaving and secure so it cannot be switched back on.

DANGER
Death or serious injury can result if the sawing machine continues running in the event of an accident.
- ►Make sure that the EMERGENCY STOP button can be reached quickly.

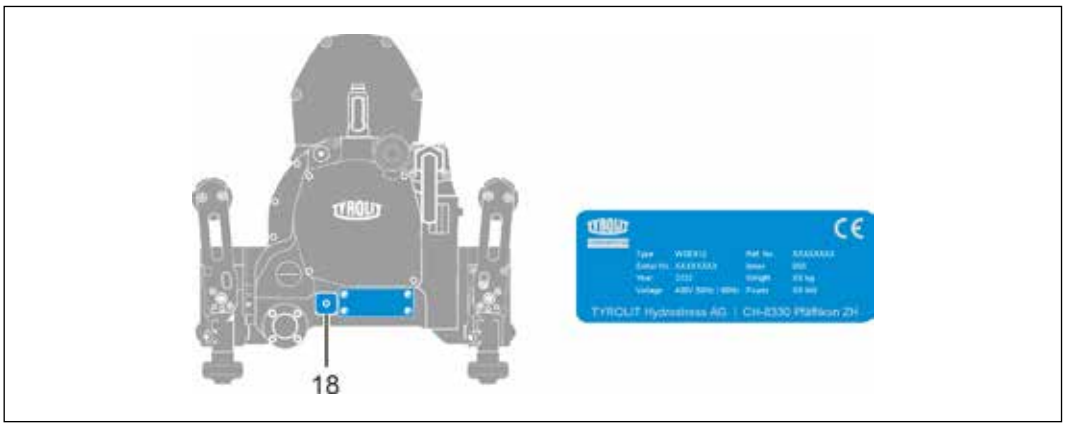
DANGER
Electric shock from live cables and plugs!
- ►The electrotechnical equipment must be checked before each use and sporadically during longer periods of use. Contact Customer Service.
- ►Switch off the WSE912 wall saw before connecting or disconnecting cables.
- ►If one or more electrical lines are located in the wall, ceiling or floor, ensure that they are de-energised and secured against being switched on again
- ►Ensure that the power supply is earthed and fitted with a universal current-sensitive residual current device (RCD type B) with a maximum residual current of 30 mA.



DANGER
Fire hazard due to incorrect mains voltage!
- ►Ensure that the mains voltage and mains frequency match the mains setting of the WSE912 saw.

1.2 Information sources on the device

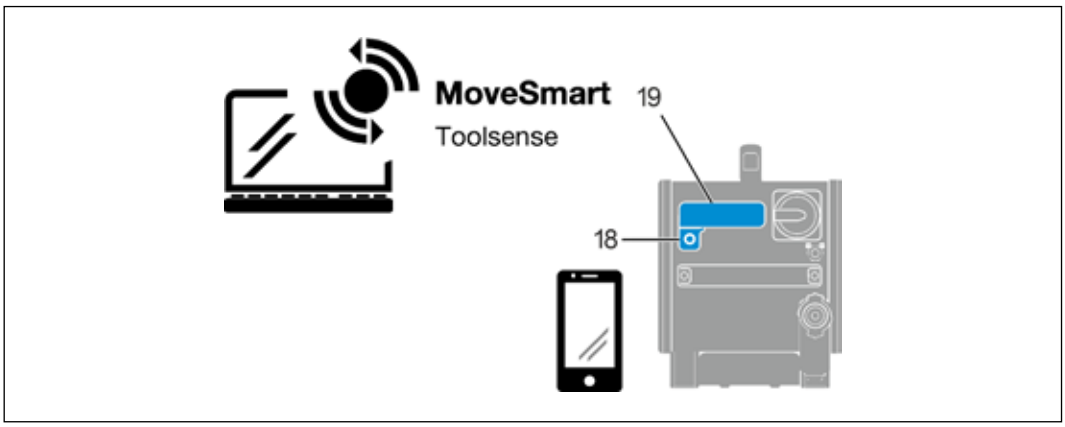
1.2.1 Type plate



Type plate

18 NFC Tag

1.2.2 NFC tag and Tyrolit MoveSmart technology



MoveSmart / NFC Tag

18 NFC Tag
19 Remote query antenna

INFORMATION
NFC Tag:
Machine information can be viewed via an NFC reader.
The data corresponds to an electronic type plate.

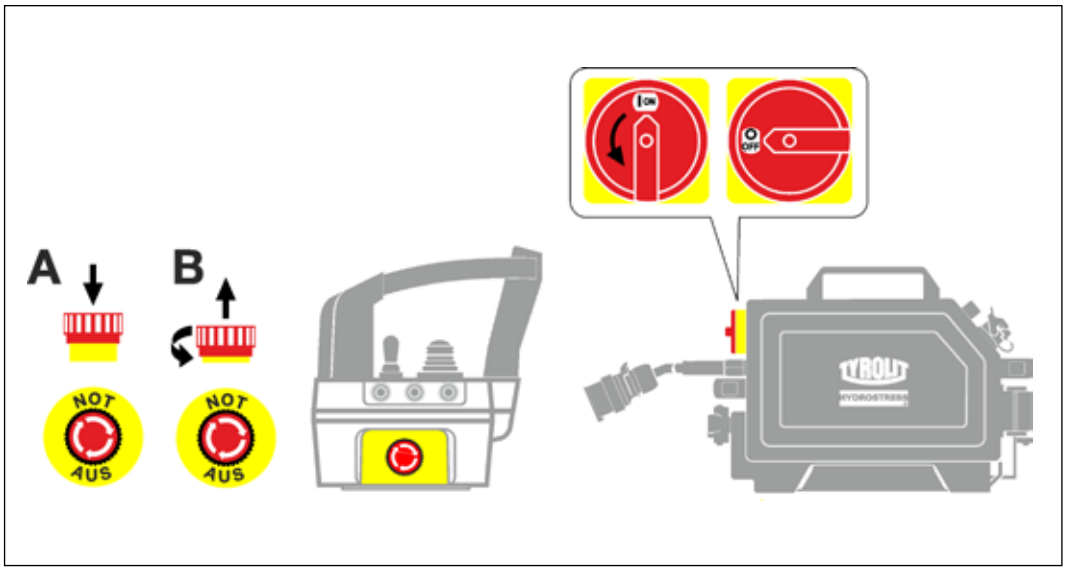
INFORMATION
Remote query antenna:
Tyrolit MoveSmart technology can be used via the antenna.

MoveSmart is an innovative platform solution for operational & user data.

1.3 What to do in an emergency

►Press the EMERGENCY STOP button on the radio remote control or the On/Off switch on the PPE12RR control.

INFORMATION
The radio remote control has an acceleration sensor. If the sensor detects free fall of the radio remote control, the machine switches off.



Saw blade unit

A Activating EMERGENCY STOP
B Deactivating EMERGENCY STOP

2 Description

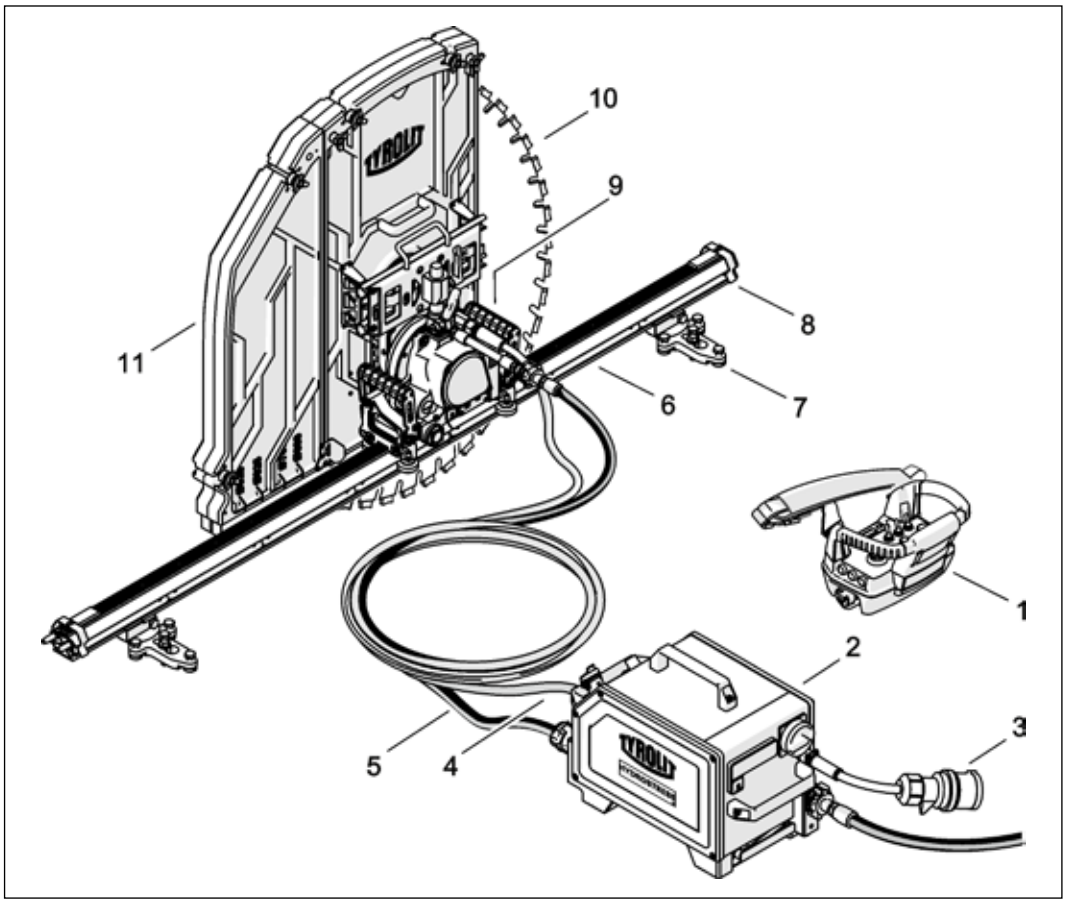
2.1 Wall saw system

INFORMATION
The structure and function of the wall saw systems are described in the "Wall saw safety manual / system description".

2.2 Intended use

Transportable wall saw for construction site use, for cutting (reinforced) concrete, stone and masonry. For industrial use only.
Not suitable for use in potentially explosive atmospheres.

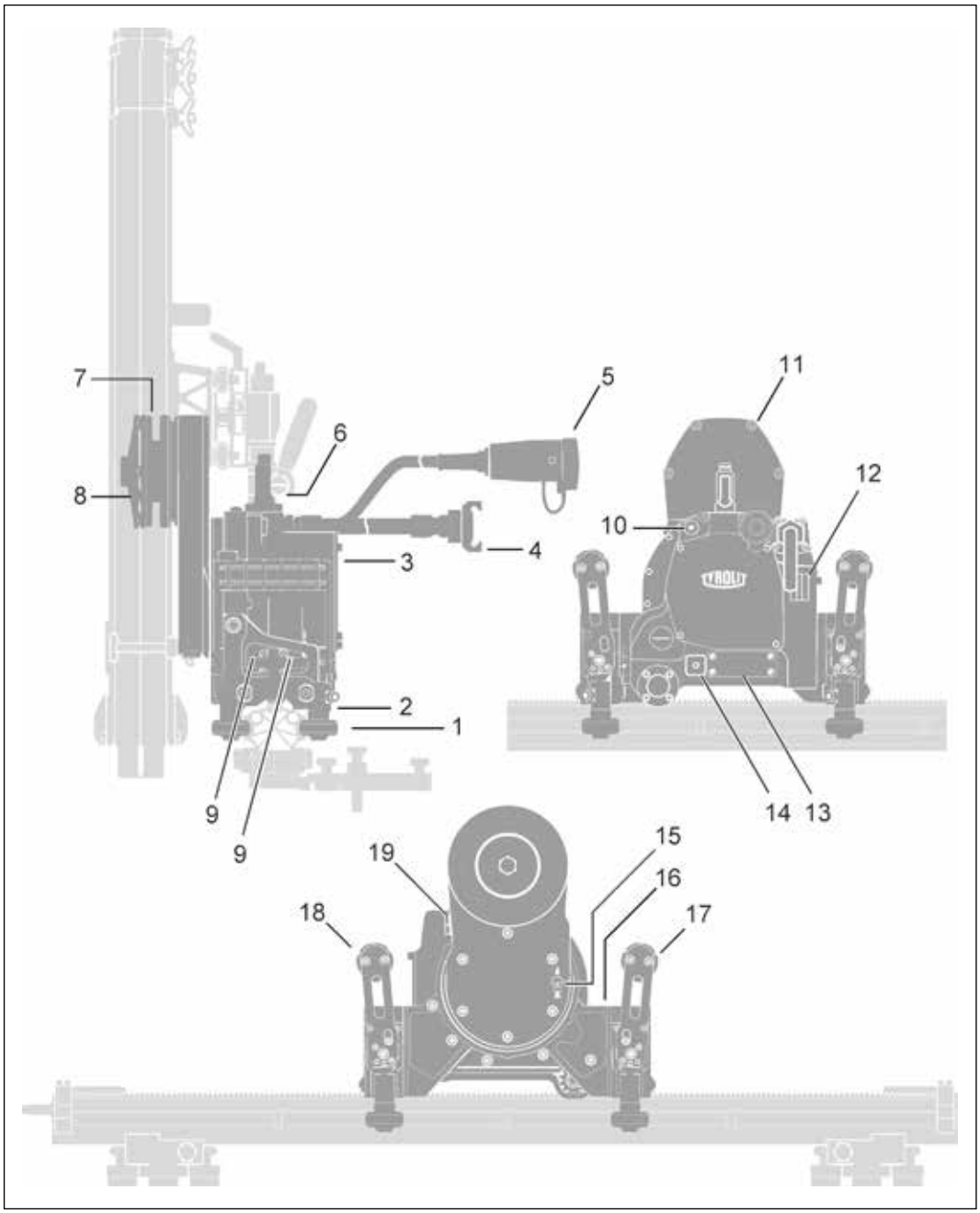
2.3 Wall saw system components



Wall saw system

1 Radio remote control
2 PPE12RR control
3 Mains cable with plug
4 Wall saw head electric cable
5 Water hose
6 Guide rail
7 Rotating rail support
8 Rail stopper
9 Wall saw head including main motor
10 Diamond saw blade
11 Blade guard

2.4 Wall saw head main components

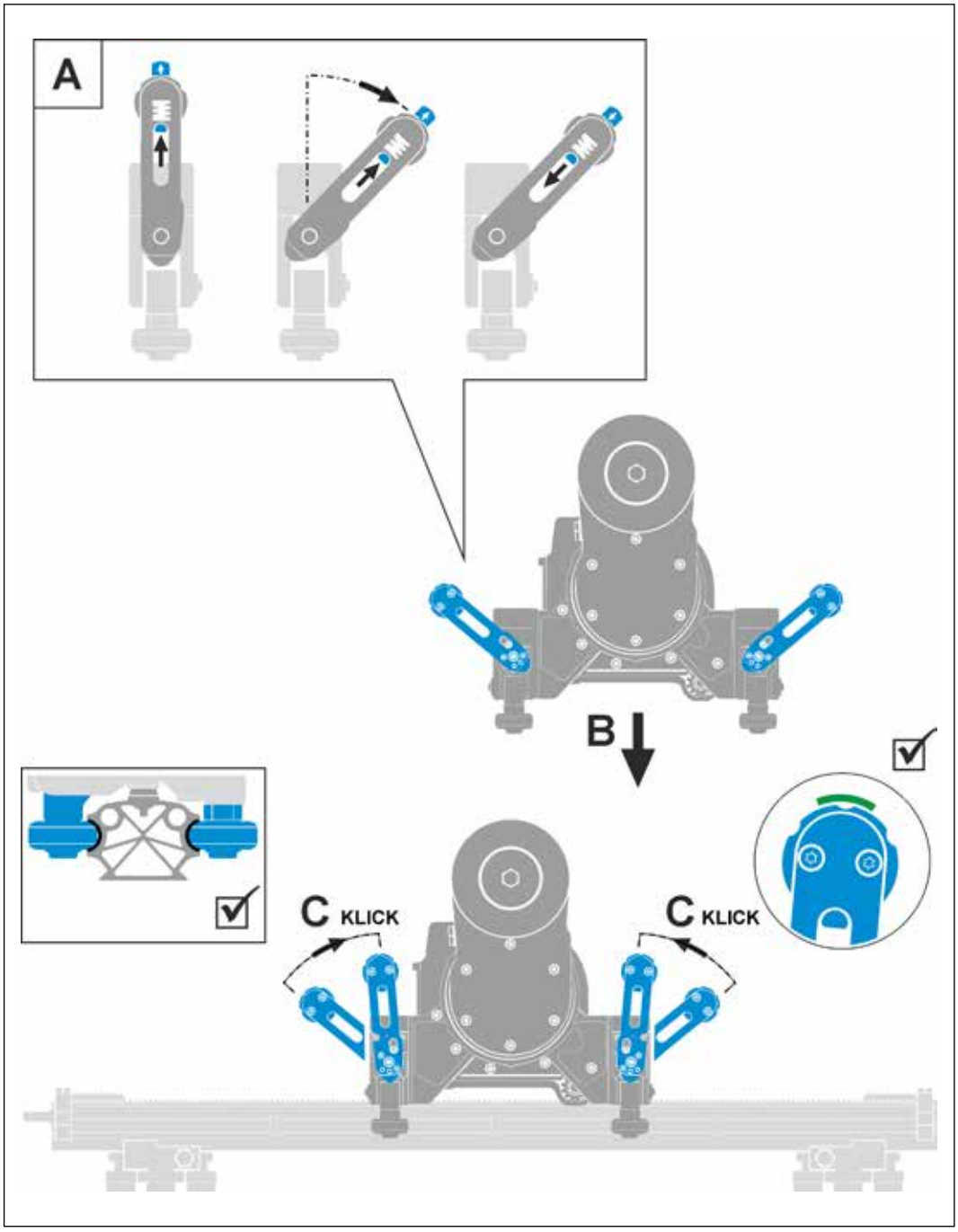


Components

1 Guide roller
2 Roller holder
3 Saw blade drive motor
4 Water connection
5 Electrical connection
6 Guard holder for blade guard
7 Blade flange
8 Flange cover
9 Feed motors
10 Water bypass connection (dry cutting)
11 Swivel arm
12 Hour counter
13 Type plate
14 NFC Tag
15 Water valve rotary knob
16 Basic chassis
17 Left locking unit
18 Right locking unit
19 Oil plug (oil change)

3 Mounting/removing

3.1 Positioning the wall saw on the guide rail



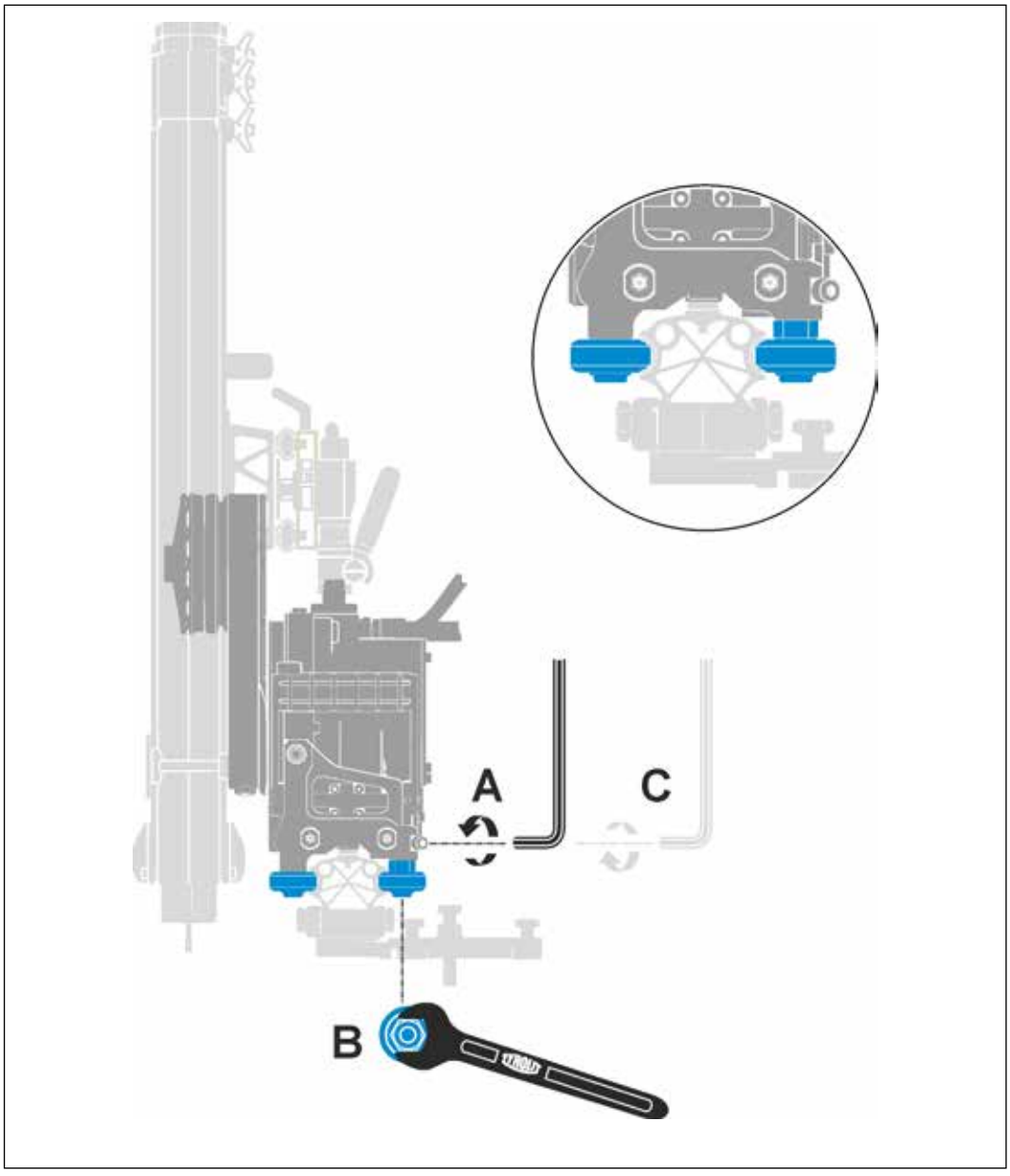
Mounting the wall saw head

INFORMATION
If the swivelling handle does not engage or if the wall saw sits too loosely on the guide rail: Adjust the guide rollers.

3.2 Adjusting the guide rollers

✓ Tool

Open-end spanner		24 mm Tyrolit No. 973773
Allen key		6 mm Tyrolit No. 973792



Adjusting the guide rollers

The guide rollers are correctly adjusted when they can just no longer be turned by hand. To ensure that the machine runs parallel to the rail, both guide rollers must be adjusted identically.

3.3 Mounting the saw blade

DANGER
Death or serious injury if the saw blade flies off!
►Only use genuine screws from Tyrolit Hydrostress AG.

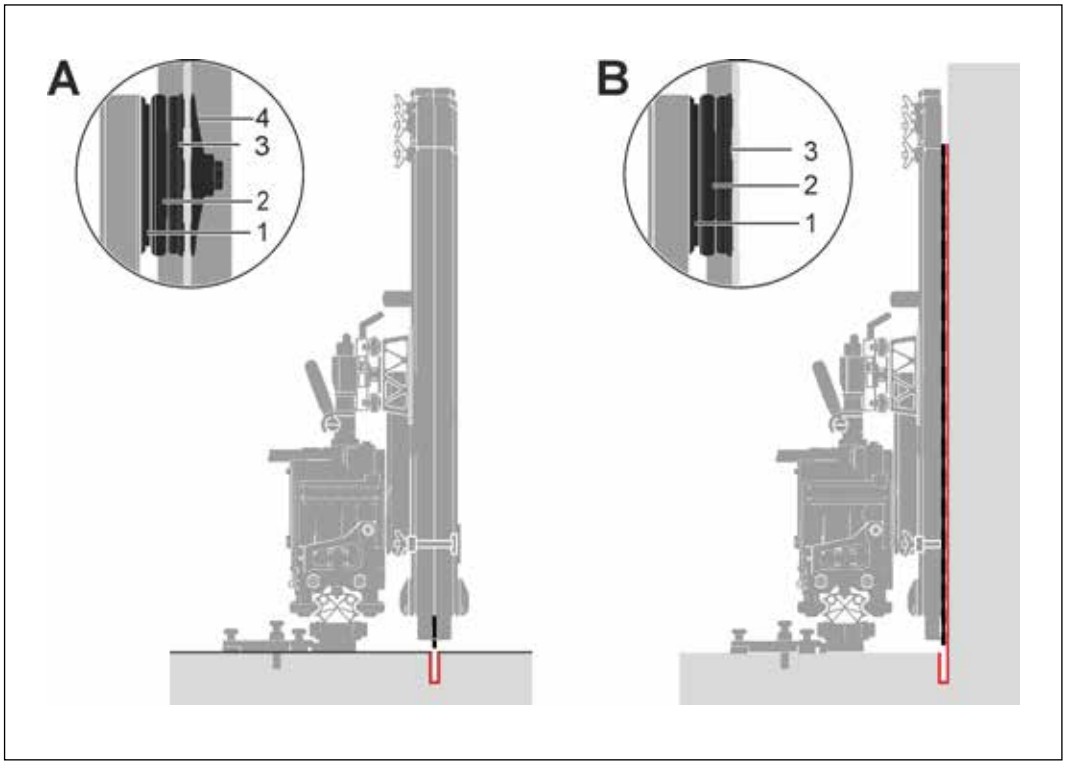
DANGER
Serious injury if the saw blade starts up suddenly!
►Switch off the wall saw before working on the saw blade.
►Disconnect the wall saw from the power supply.

WARNING
Injury if the saw blade falls!
►When removing, ensure that the blade remains on the mounting.

INFORMATION
Diamond saw blades with Ø60 mm mounting holes can be mounted on the WS912 wall saw.

3.3.1 Saw blade unit

INFORMATION
The direction of rotation of the saw blade must match the direction of rotation of the machine. Correct alignment: Countersinking of the mounting holes towards the blade cover.



Saw blade unit

A Saw blade unit for normal cut
B Saw blade unit for flush cutting

1 Guide groove for blade guard
2 Sliding ring
3 Blade flange
4 Cover

3.3.2 Saw blade attachment for normal cut

DANGER
Death or serious injury if the saw blade flies off!

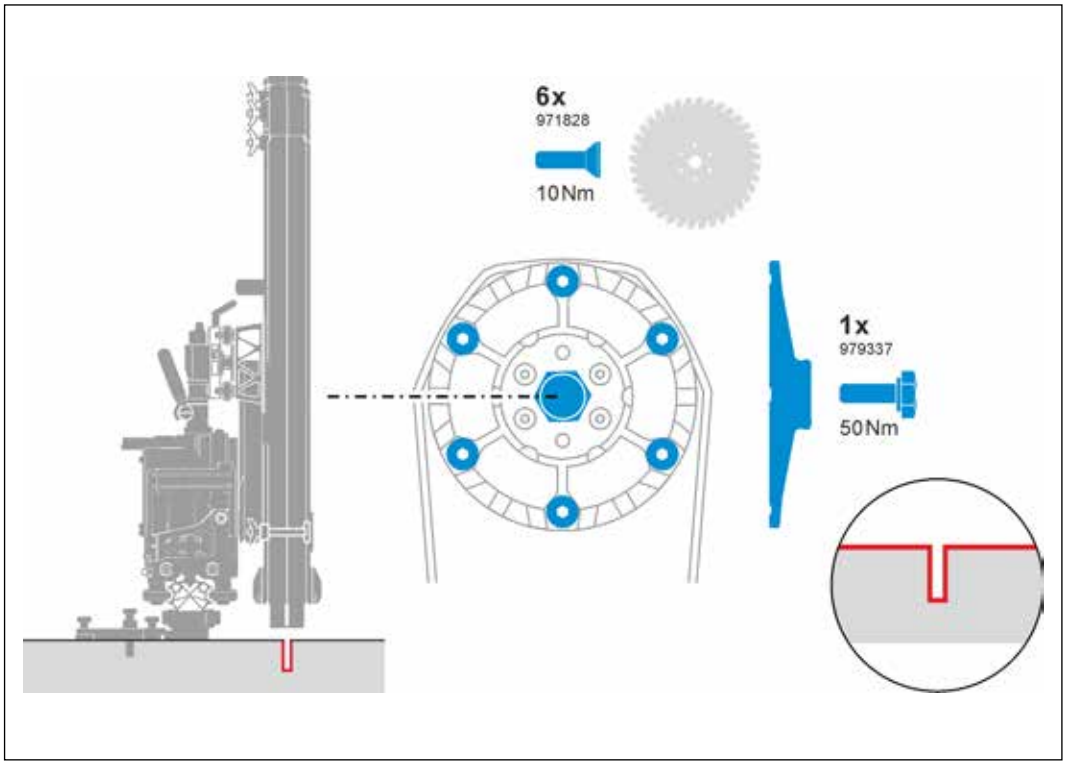
Permitted saw blade diameter

Ø600 / **Ø650** / **Ø700** / Ø750 / **Ø825** (800) / **Ø925** (900)

- ►Always secure the diamond saw blade with 6 original Tyrolit countersunk screws and the blade cover screws.
- ►Tighten countersunk screws to a torque of 10 Nm
- ►Tighten the blade cover screw to a torque of 50 Nm

✓ Tool

Open-end spanner		19 mm Tyrolit No. 973784
Allen key		6 mm Tyrolit No. 973792



Saw blade mounting for normal cutting

3.3.3 Saw blade mounting for flush cutting

DANGER
Death or serious injury if the saw blade flies off!

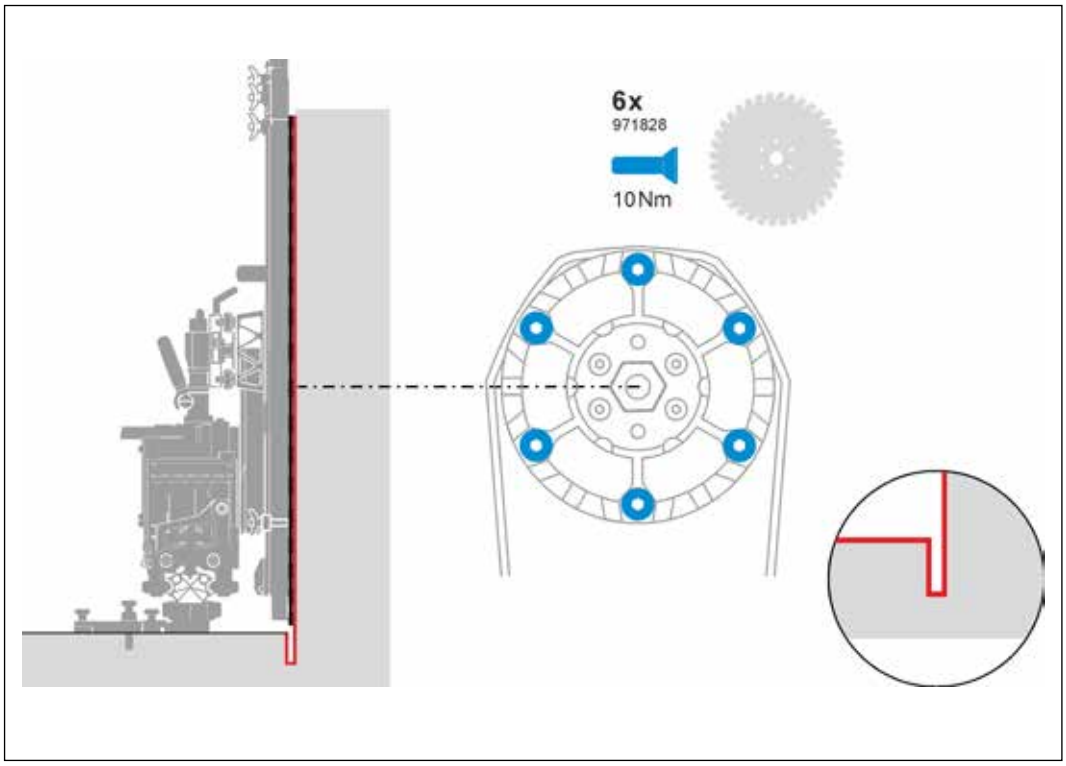
Permitted saw blade diameter:

Ø600 / **Ø650** / **Ø700** / Ø750 / **Ø825** (800) / **Ø925** (900)

►Always fasten the diamond saw blade with 6 original Tyrolit countersunk screws.
►Tighten the countersunk screws with a torque of 10 Nm.

✓ Tool

Allen key  Tyrolit No. 973792 (SW 6)

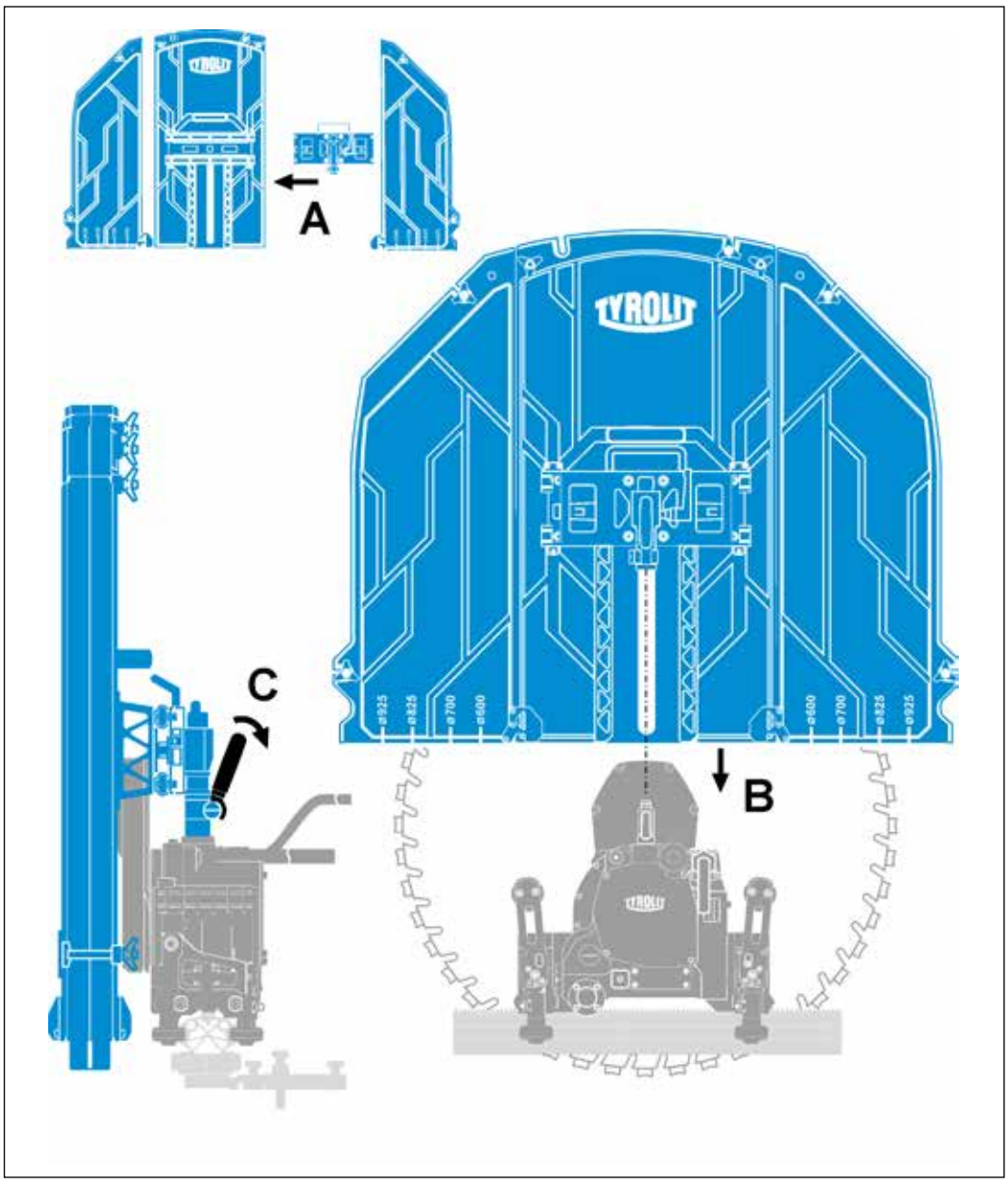


Saw blade mounting for flush cutting

3.4 Blade guard

3.4.1 Fitting the blade guard holder and blade guard

Fit according to the instruction leaflet.



Fitting / removing the blade guard

3.4.2 Removing the blade guard holder and blade guard

INFORMATION
Remove the blade guard in reverse order to the fitting procedure.

3.5 Connecting the control

3.5.1 Establishing the mains, motor and water supply

INFORMATION
Read the operating instructions for the PPE12RR control before you start using the system.

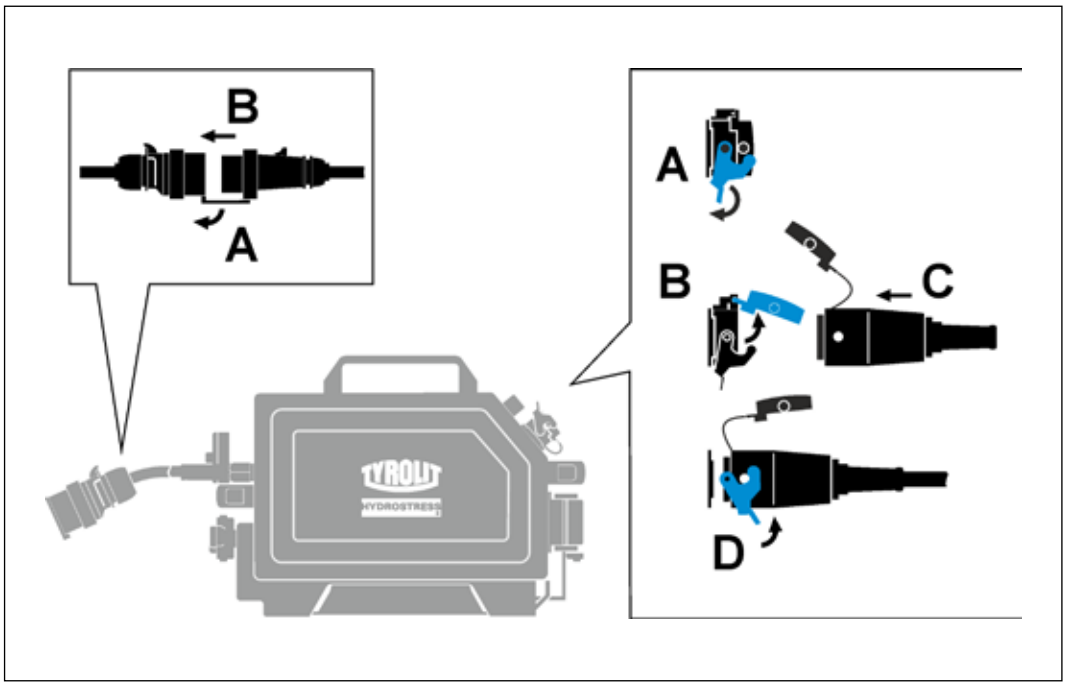
3.5.2 Mains

- ✓ Plugs are clean
- ✓ Cables are undamaged
- ✓ Power supply is earthed and fitted with a universal current-sensitive residual current device (RCD type B, max. residual current 30 mA)
- ✓ Cable cross-section is correctly sized

Recommended minimum cross-sections and max. cable lengths				
Conductor cross-section mm^2	2 x 1.5	2 x 2.5	2 x 4.0	2 x 6.0
230 V	15 m	>20 m	>40 m	>75 m
Conductor cross-section mm^2	4 x 1.5	4 x 2.5	4 x 4.0	6 x 6.0
400V	20 m	>40 m	>50 m	>75 m

3.5.3 Power connections

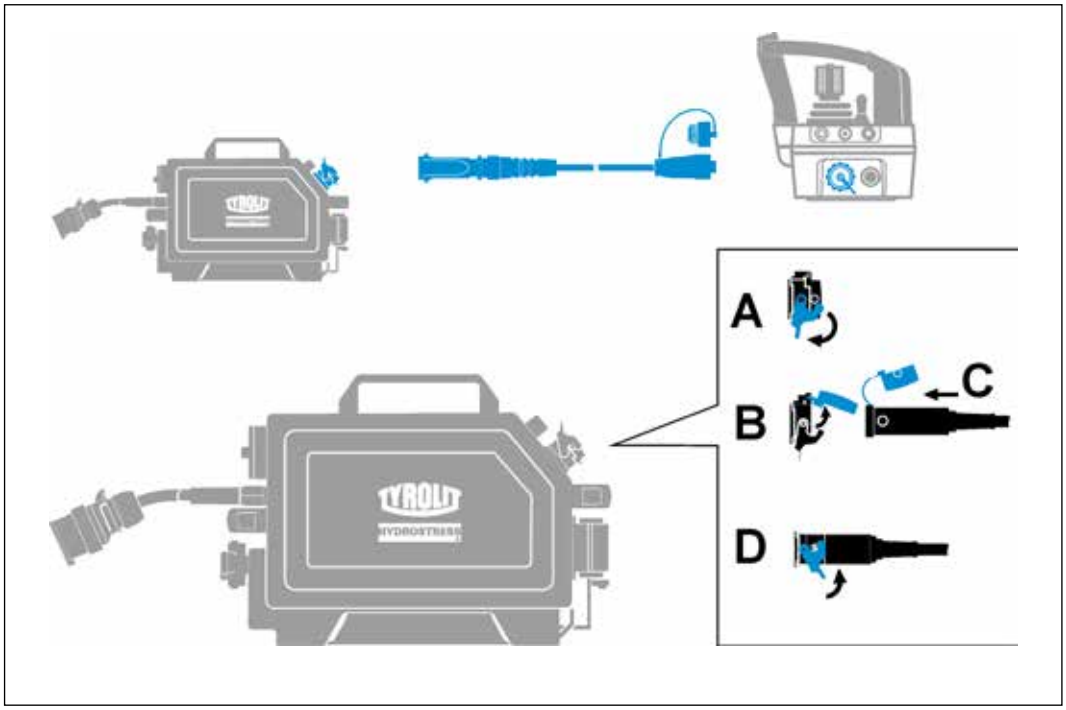
- ✓ Plugs are clean
- ✓ Cables are undamaged



Control connections

3.5.4 Remote control connection with cable operation

✓ Plugs are clean
✓ Cables are undamaged

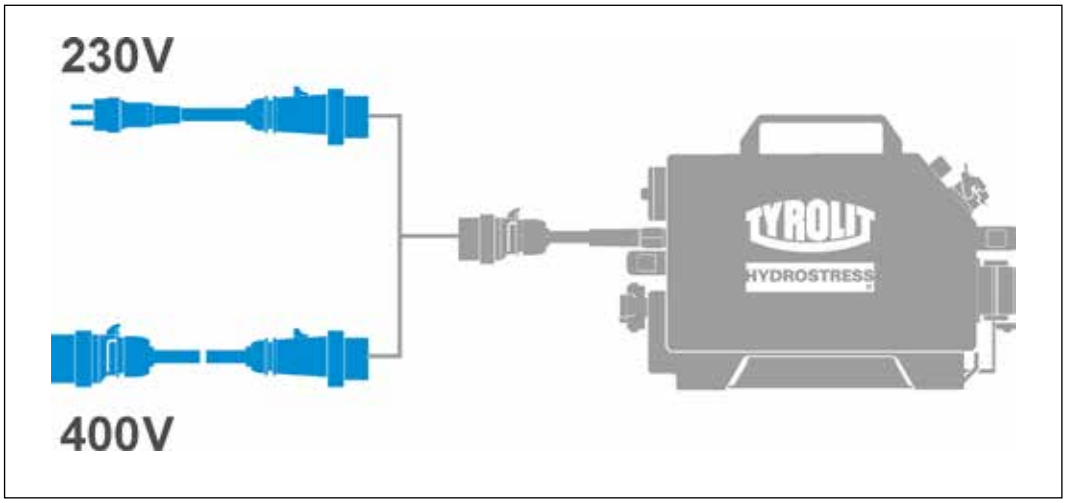


Cable connection

3.5.5 Mains connection 230 V | 400 V

INFORMATION
The WSE912 wall saw with PPE12RR control can be operated on a 3-phase 400V power supply or with an adapter cable on a 1-phase 230V power supply.

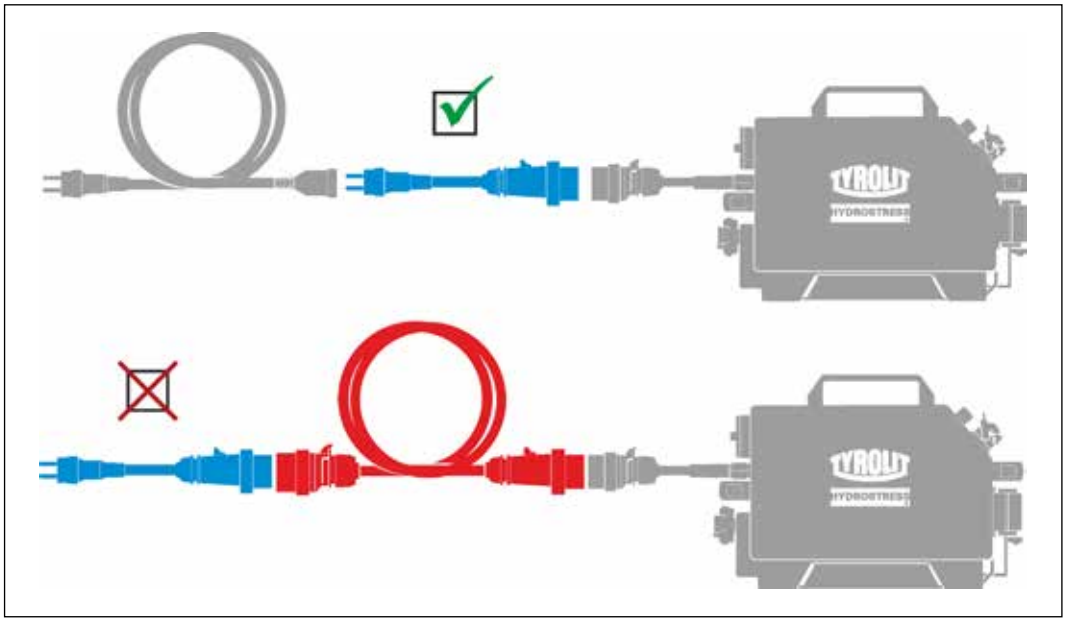
✓ Plugs are clean
✓ Cables are undamaged



OmniGrid

3.5.6 230V adapter cable

INFORMATION
The adapter cable must be connected directly to the control cable and can then be combined with a 230V extension cable.
Reverse mounting is not permitted.



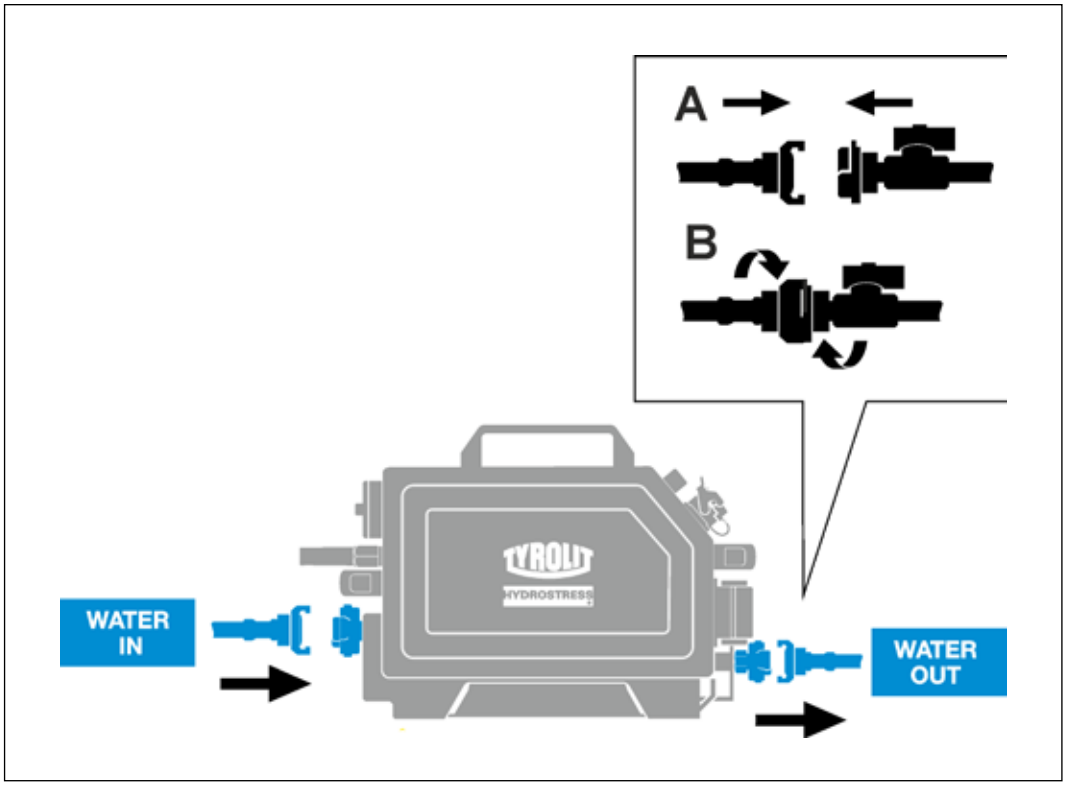
230 V adapter cable

INFORMATION
The 230V mains supply must be fused with 16A for reliable operation.

3.6 Water

3.6.1 Water connections

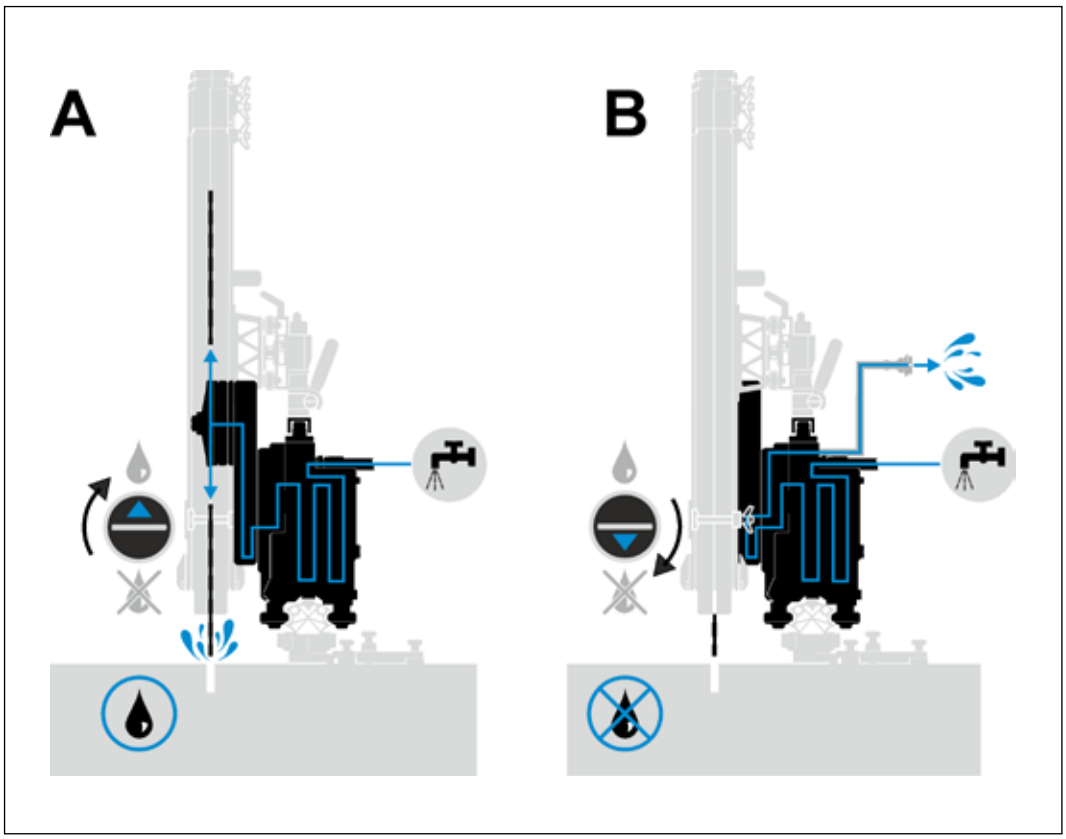
✓ Clutches are clean
✓ Cable is undamaged



Water connection

3.7 Wet and dry cutting

INFORMATION
The WSE912 wall saw can be used for wet and dry cutting.



Wet cutting and dry cutting

A Water outlet at saw blade (wet cutting)
B Water outlet via bypass pipe (dry cutting)

INFORMATION
Two symbols for wet and dry cutting are visible on the swivel arm near the rotary knob for the water valve.

INFORMATION
For water dispersion during dry cutting, the plug on the wall saw head must be removed and the hose adapter (Tyrolit No.10992228) must be mounted.

3.7.1 Wet cutting

Water

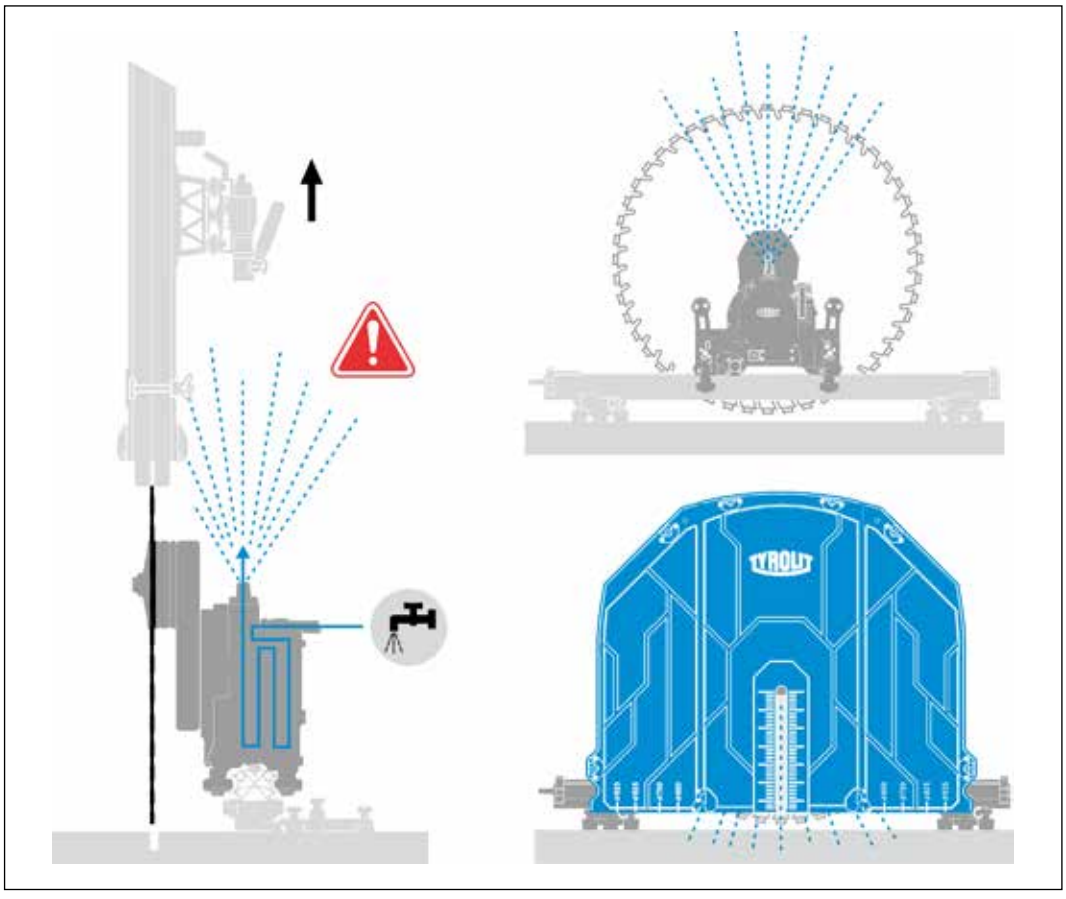
- ✓ Pressure: min. 2 bar/max. 6 bar
- ✓ Quantity: min. 4 l/min
- ✓ Temperature: max. 25°C

3.7.2 Cutting without blade guard

DANGER
Danger from segments or
concrete splinters ejected by the cutting tool.

- ►Cutting without a blade guard is prohibited.
- ►When cutting without blade guard side sections, e.g. door cutouts, the side sections must be removed when the machine is at a standstill.

INFORMATION
If the middle section of the blade guard is not fitted, the water will escape uncontrolled via the guard holder for the blade guard.



Cutting without blade guard

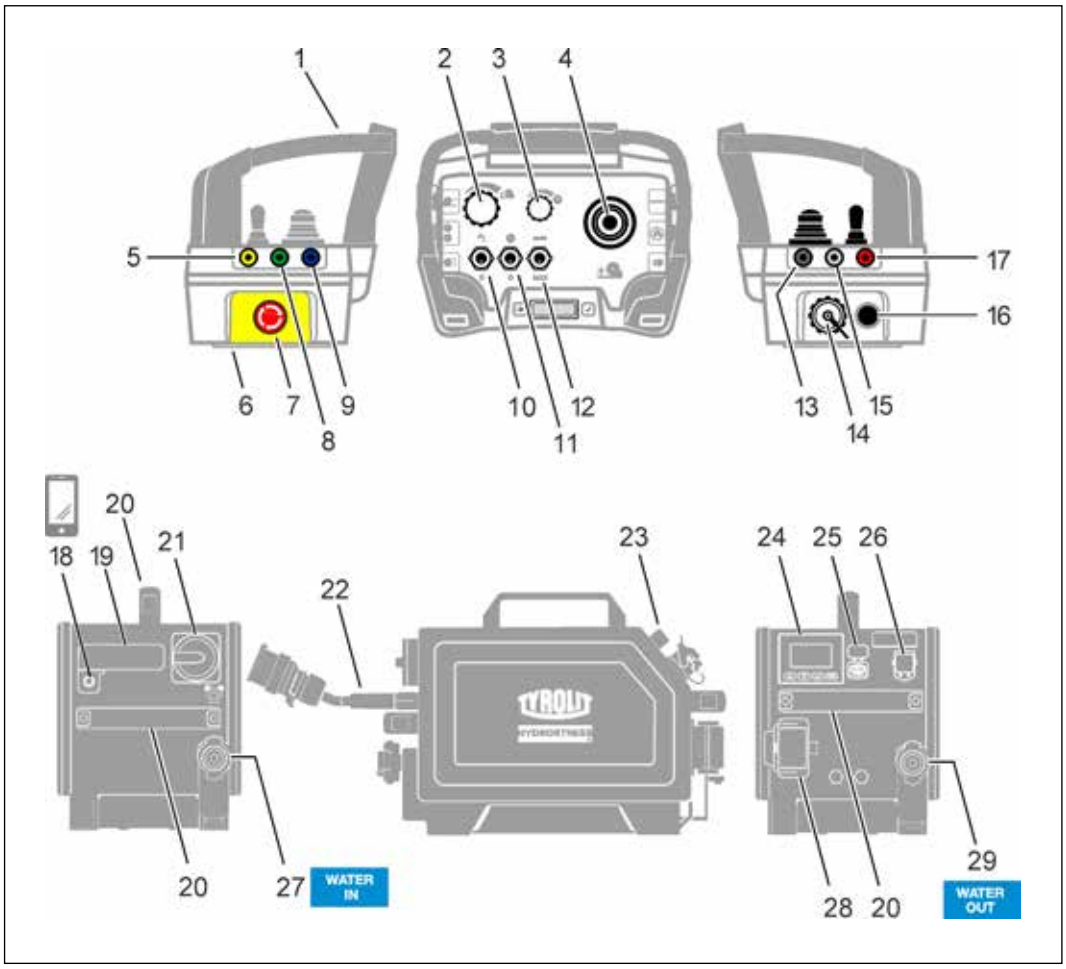
3.6.5 Dry cutting / special diamond tools and equipment

The cooling water is channelled through the swivel arm and via the bypass.
Special Tyrolit diamond tools and blade guards with dust extraction must be used for dry cutting.

4 Operation

4.1 Overview of controls

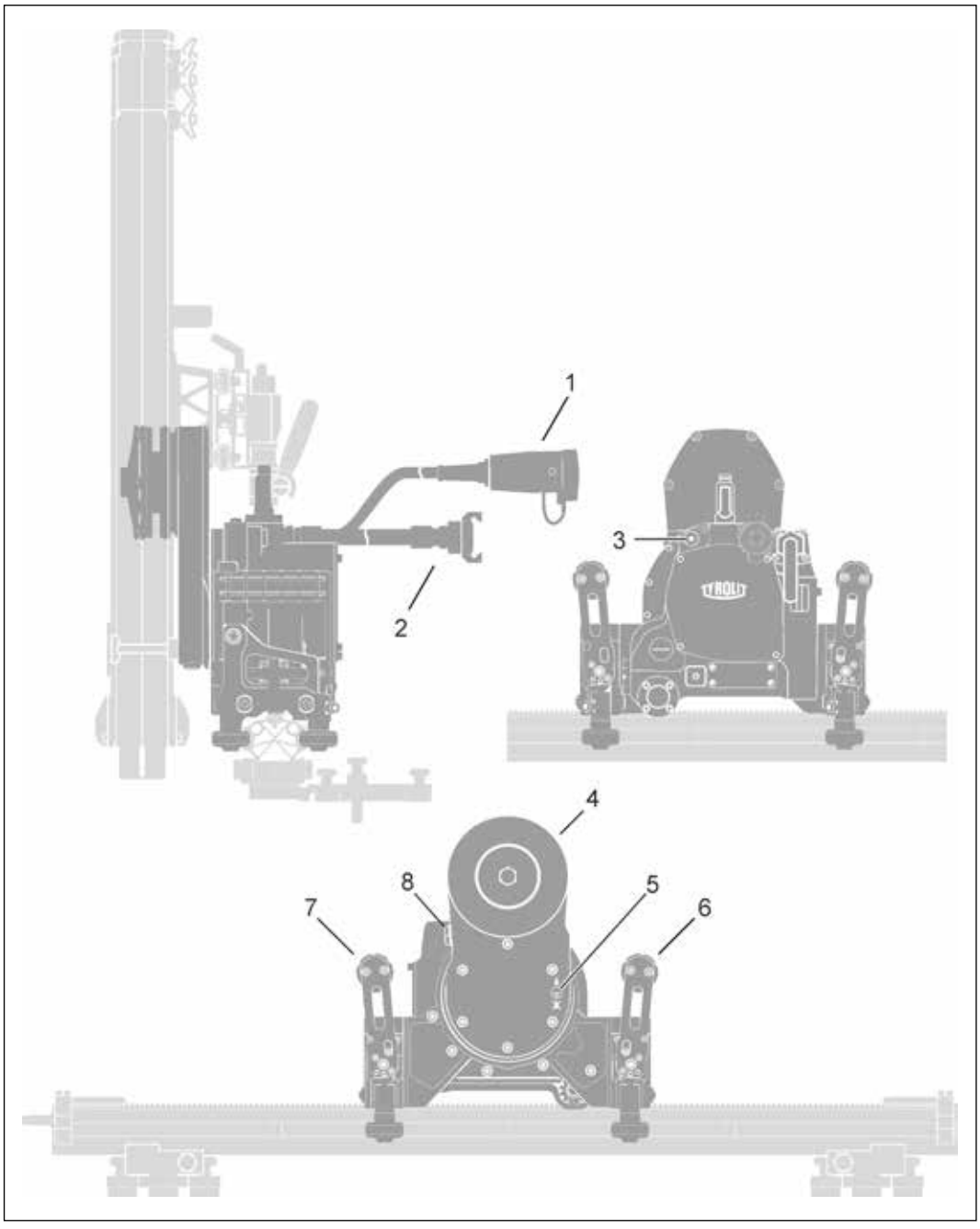
4.1.1 Remote control/control



Controls

1 Housing with handle
2 Feed motor potentiometer
3 Main motor potentiometer
4 Joystick feed
5 Remote control lighting pushbutton
6 Battery compartment
7 E-STOP and ON-OFF radio remote control
8 Connection setup pushbutton
9 Reset pushbutton
10 Water ON-OFF toggle switch
11 Main motor ON-OFF toggle switch
12 Toggle switch for concrete or reinforcement mode
13 Feed lock pushbutton
14 Remote control cable connection
15 Tool direction of rotation pushbutton
16 Pressure equalising diaphragm
17 Blade diameter selection pushbutton
18 NFC-Tag
19 Remote query antenna
20 Carrying handle
21 Main switch
22 Mains cable with plug
23 Radio remote control antenna
24 Display with navigation buttons
25 USB connection
26 Remote control cable connection
27 Water inlet connection
28 Saw head cable connection
29 Water outlet connection

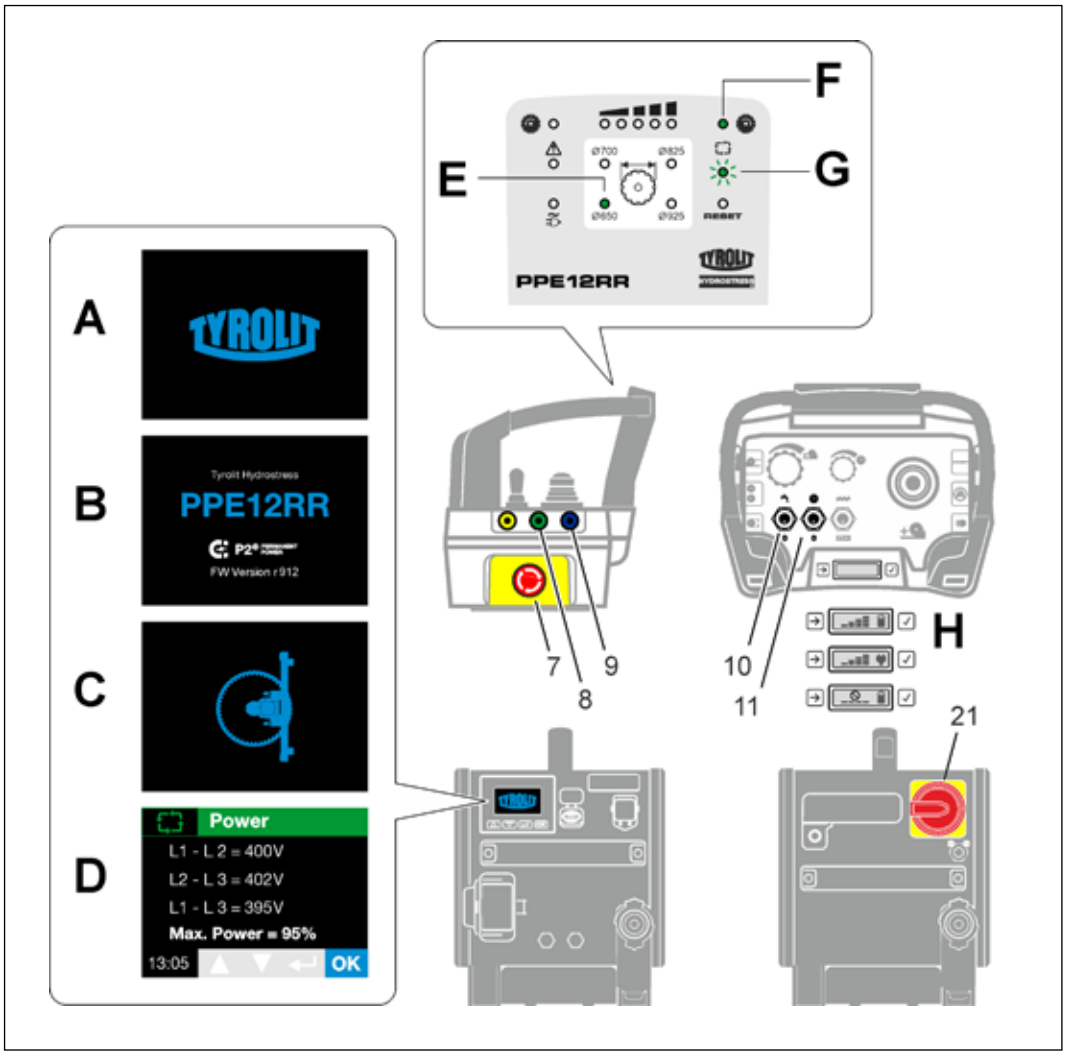
4.1.2 Wall saw head



Controls for wall saw head

1 Electrical connection
2 Water connection
3 Water bypass connection (dry cutting)
4 Saw blade arbour
5 Water valve rotary knob
6 Left locking unit
7 Right locking unit
8 Oil plug (oil change)

4.2 Start wall saw



Start wall saw

4.2.1 Preparation:

✓ The WSE912 control is correctly connected to the mains and water supply.
✓ Machine system is connected to the PPE12RR control.

►Set the following controls on the remote control to the 0 position.

– Feed motor potentiometer
– Main motor potentiometer
– Water switch toggle switch
– Main motor toggle switch

4.2.2 Starting

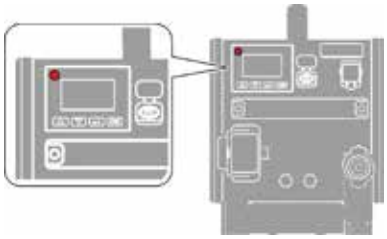
►Switch on the PPE12RR control using the main switch (21).
– The display on the control shows the TYROLIT logo (A).
– Display on the control shows control type PPE12RR and firmware version (B.)
– Display on the control shows the wall saw pictogram (C).
– Display on the control shows performance data (D).
►Release the EMERGENCY STOP (7) on the radio remote control.
►Switch on the radio remote control using the Reset pushbutton (9).
– Control lamp for saw blade Ø650 lights up green (E).
– Control lamp for saw blade direction of rotation lights up green (F).
– System ready indicator flashes green (G).
– Radio connection power and type of power supply are displayed (H).

►Press the Connect pushbutton (8) on the radio remote control.
►Switch on the water using the toggle switch on the radio remote control (10).
►Switch on the main motor using the toggle switch on the radio remote control (11).

INFORMATION
The main motor can only be started with the water switched on.

INFORMATION

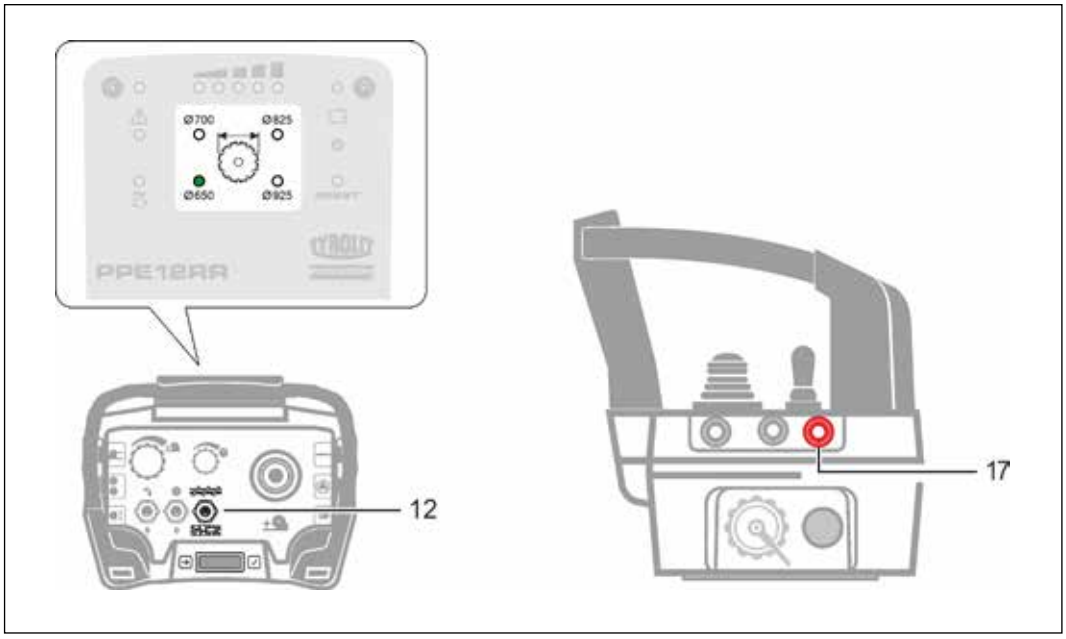
If only the control is switched on, the LED indicator on the display lights up red.



4.3 Selecting the tool station

The machine systems (wall saws, wire saws, core drills, handsaws) are automatically recognised by the PPE12RR control during the start-up process.
Once the PPE12RR control has been started correctly, the tool stations can be selected before the main motor is switched on.

INFORMATION
The tool stations may be changed during work. You can also switch between concrete and iron mode using the toggle switch (12).
The tool stations are set to the optimum revolutions per minute and cutting performance in relation to the tool diameter.



Selecting the tool station

INFORMATION
You can choose between saw blade Ø650 mm/Ø700 mm/Ø825 mm/Ø925 mm (pushbutton 17) and concrete and iron mode (toggle switch 12).

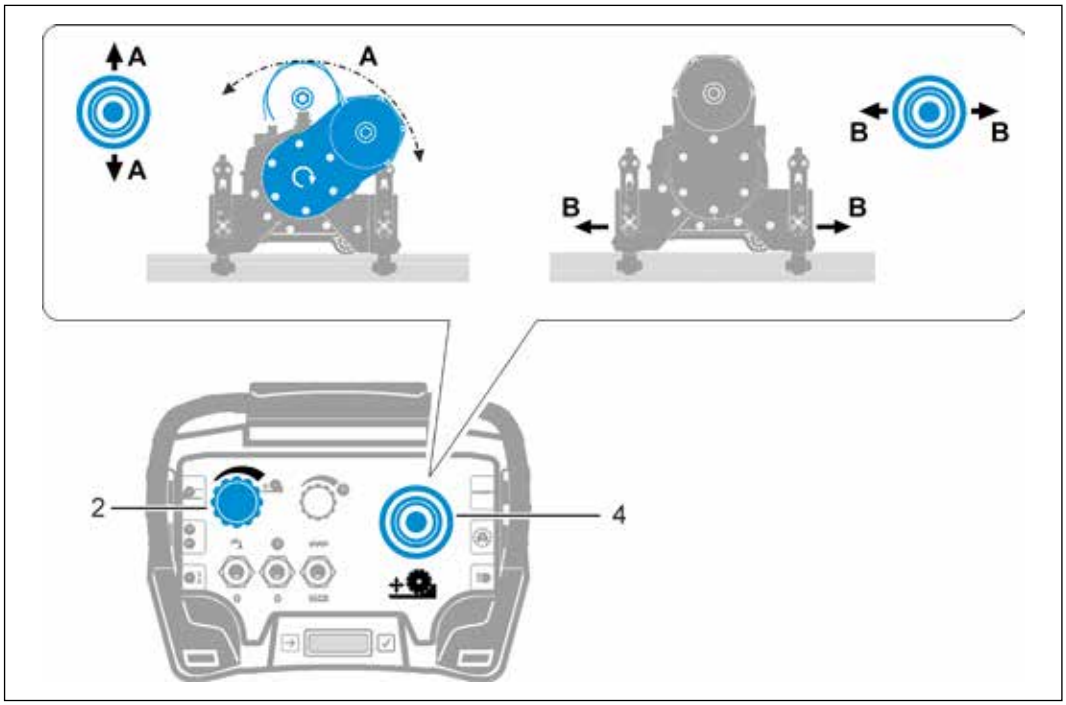
Tool selection		
	Iron mode 38 m/s	TYROLIT diamond tool (Ø650mm / Ø700mm / Ø825mm / Ø925mm)
	Concrete mode 44 m/s	TYROLIT diamond tool (Ø650mm / Ø700mm / Ø825mm / Ø925mm)

Proceed as follows:

- ▶ Press the tool selection button (17), Ø650 is preselected. By repeatedly pressing the tool selection button, the selection jumps to Ø700 mm, on to Ø825 mm, on to Ø925 mm and then back again step by step.

4.4 Setting the feed

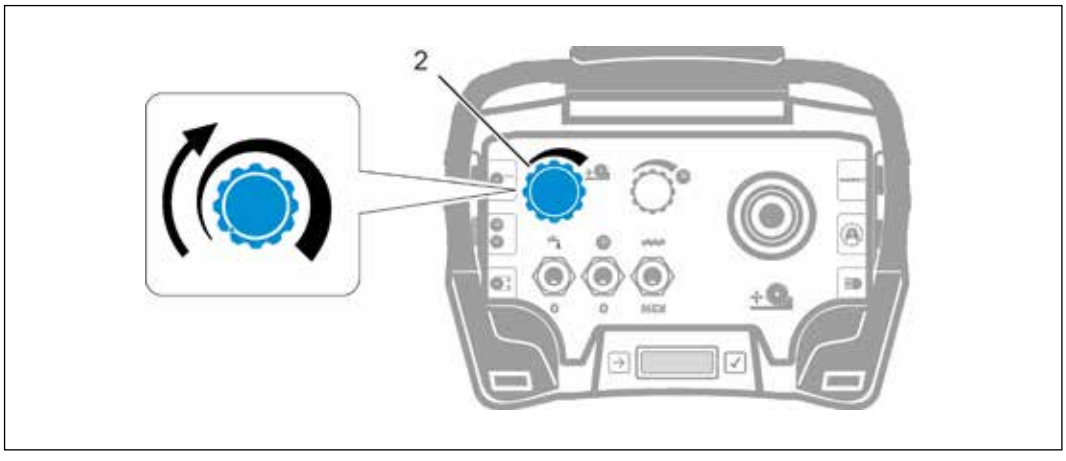
The feed motions are selected using the joystick (4) and the speed is regulated using the potentiometer (2).



Setting the feed

INFORMATION
During the cutting process, the feed speed is automatically supported by a feeding aid.

4.5 Setting the feed rate manually



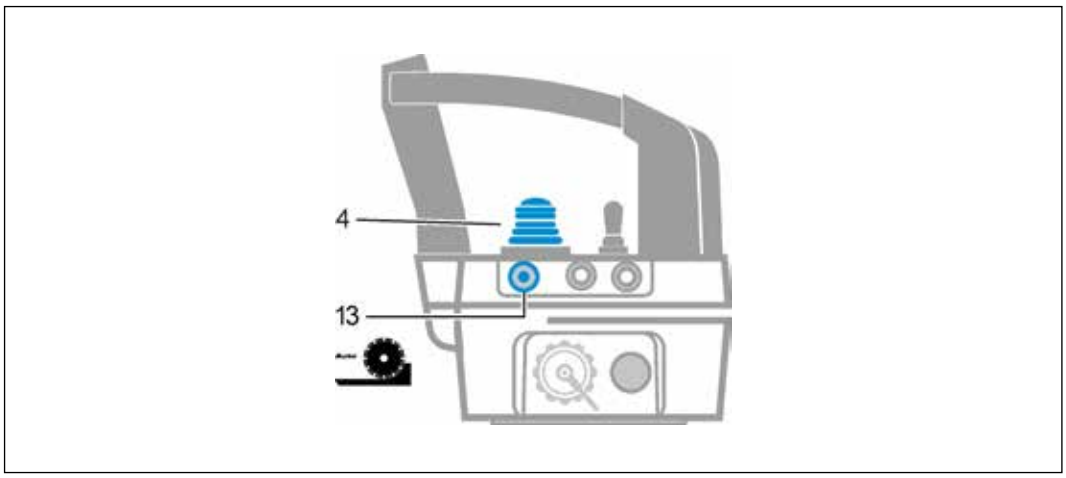
Feed speed

✓ PPE12RR control has started

►Set the desired feed speed with the feed potentiometer (2).

4.6 Feed lock

The drive/swivel feed can be locked so that the joystick does not have to be held in position during the drive/swivel feed motion.



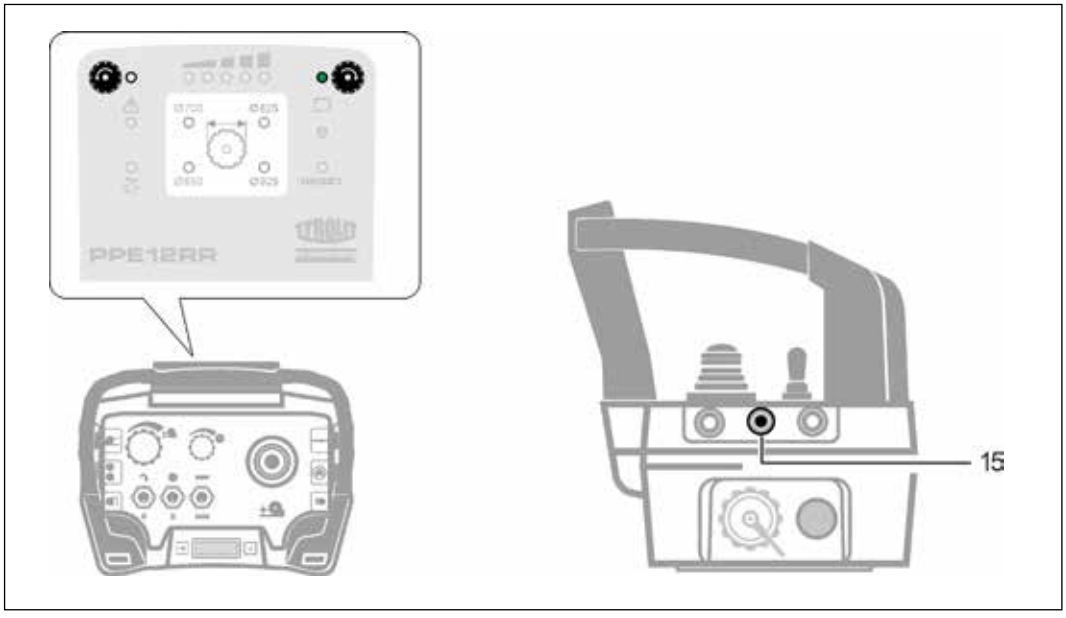
Feed lock

Proceed as follows:

- ►Press the joystick (4) in the desired moving direction and press the lock button (13) at the same time.
- ►The feed is locked when the joystick and the lock button (13) are released.

INFORMATION
To release the feed lock, move the joystick (4) briefly in any direction or press the lock button (13) again.

4.7 Change direction of rotation of main motor



Change direction of rotation of main motor

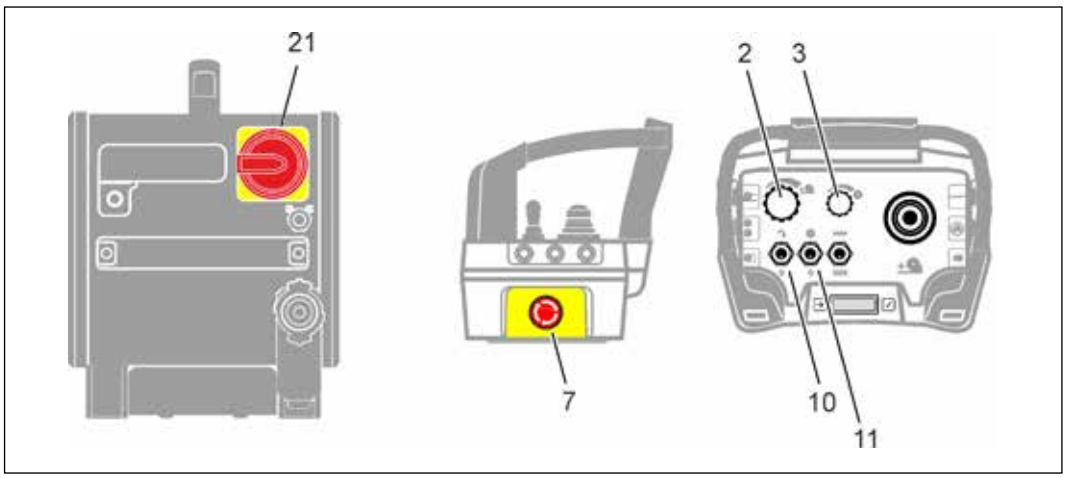
INFORMATION
The direction of rotation can only be changed before starting the main motor.

Proceed as follows:

►Press the push button (15).
– The current direction of rotation of the main motor appears on the display.
►To change the direction of rotation, press the push button (15) again.

INFORMATION
When the PPE12RR control is restarted, the direction of rotation of the main motor changes to the default setting.

4.8 Switch off the PPE12RR control



Switch off the control

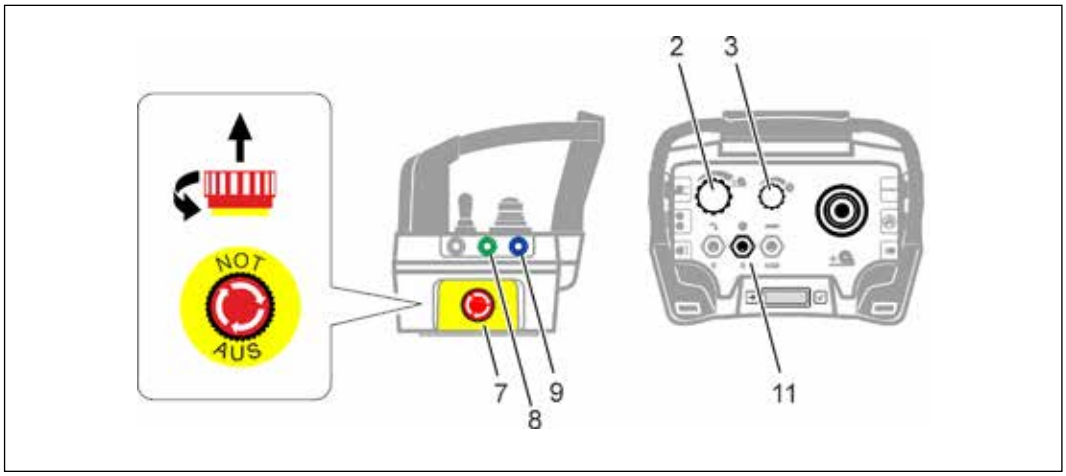
Proceed as follows:

►Set the potentiometers (2 and 3) on the radio remote control to the 0 position.
►Switch off the main motor using the toggle switch (11) on the remote control.
►Switch off the cooling water using the toggle switch (10) on the remote control.
►Close the water tap on the hose of the PPE12RR control.
►Press EMERGENCY STOP on the radio remote control (7).
►Switch off the PPE12RR control using the main switch (21).

INFORMATION
If the PPE12RR control is only switched off using the main switch (21), the remote control is not switched off. When the PPE12RR control is restarted, the remote control is also ready to continue working.

INFORMATION
If only the remote control is switched off using the EMERGENCY STOP (7), i.e. not with the main switch of the control (21), the selected direction of rotation is retained.

4.9 Deactivating EMERGENCY STOP



Deactivating EMERGENCY STOP

The following operating elements must be set to the 0 position:

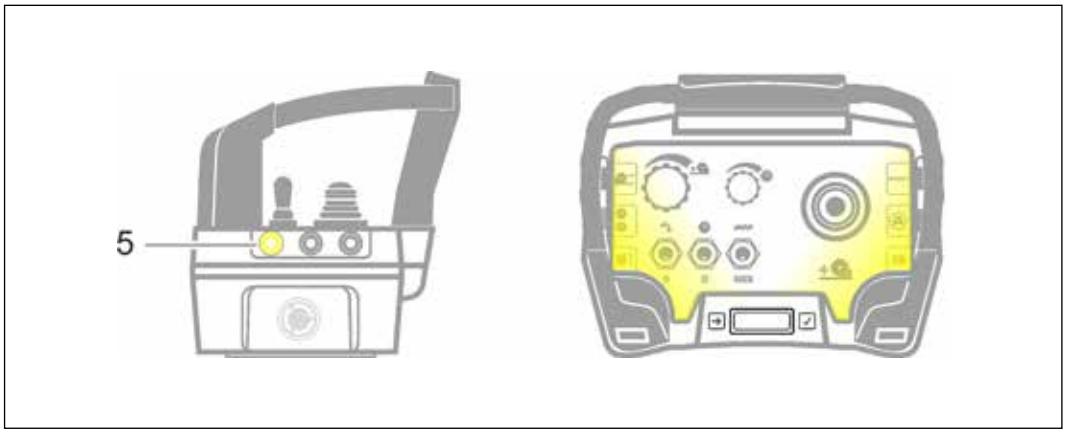
- Feed potentiometer (2)
- Main motor potentiometer (3)
- Main motor ON/OFF toggle switch (11).

►Proceed as follows:

►Turn the EMERGENCY STOP button (7) clockwise.
►To continue working, press the Reset button (9).
►Press the Connect pushbutton (8).

4.10 Remote control lighting

INFORMATION
Pressing the pushbutton (5) illuminates the control panel of the radio remote control.



Remote control lighting

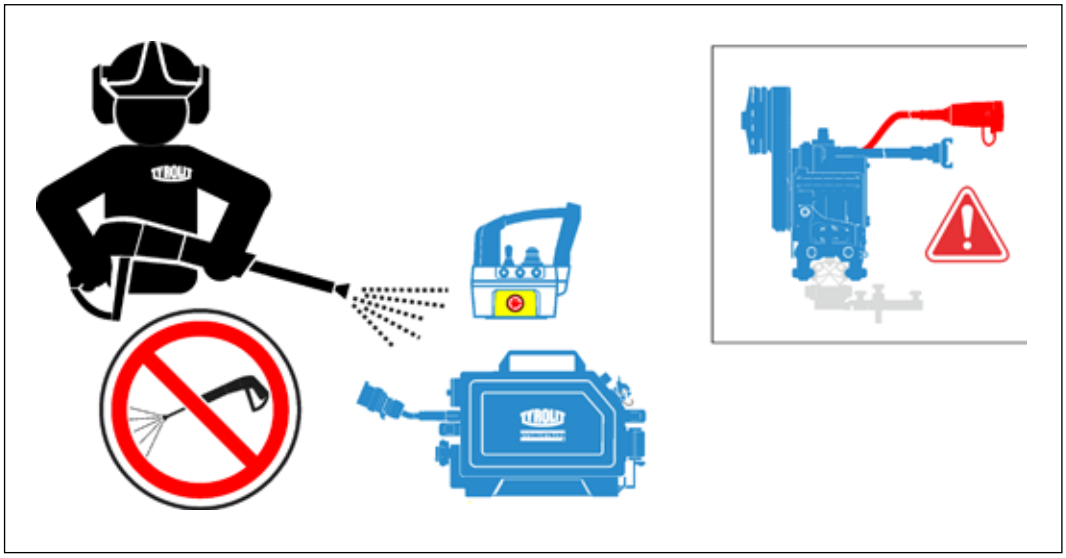
4.11 After work is complete

Proceed as follows:

►Turn the main switch on the WSE912 control to the 0 position.
►Pull out the mains plug.
►Disconnect the water hoses on the WSE912 wall saw.
►Blow water out of all pipes.
►Clean the WSE912 wall saw, the radio remote control and the cables with a damp cloth.

INFORMATION
Cleaning with high-pressure cleaning systems is not permitted.

Cleaning with high-pressure cleaning systems can damage the PPE12RR control.
Products containing solvents can damage parts on the WSE912 wall saw and the cables.



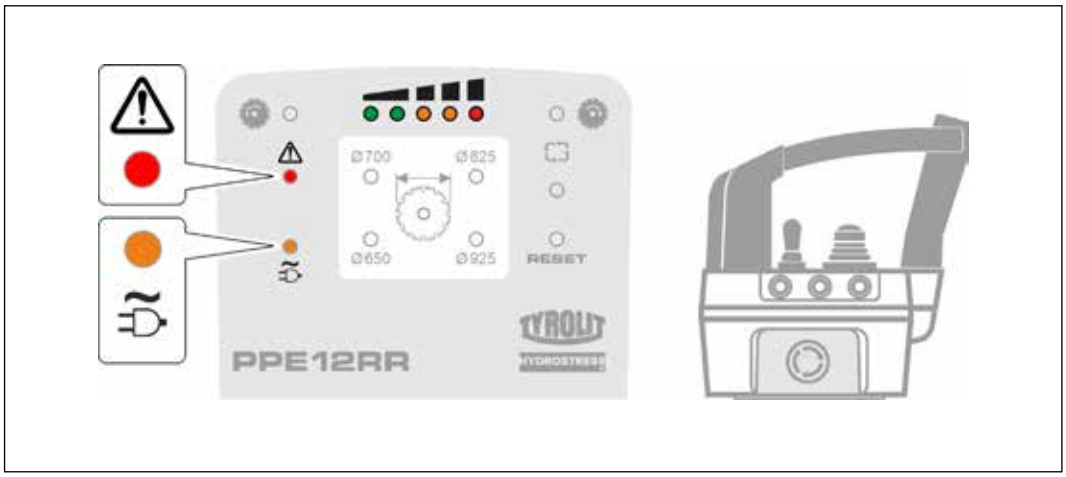
High-pressure cleaning

5 Indicators

5.1 Power indicator in operating state

INFORMATION
The current power range of the main motor is displayed with coloured lights.
Ideal: Work on orange-coloured light.

INFORMATION
Power consumption with 230V | 400V mains connection
230V max. 3.6kW
400V max. 11kW



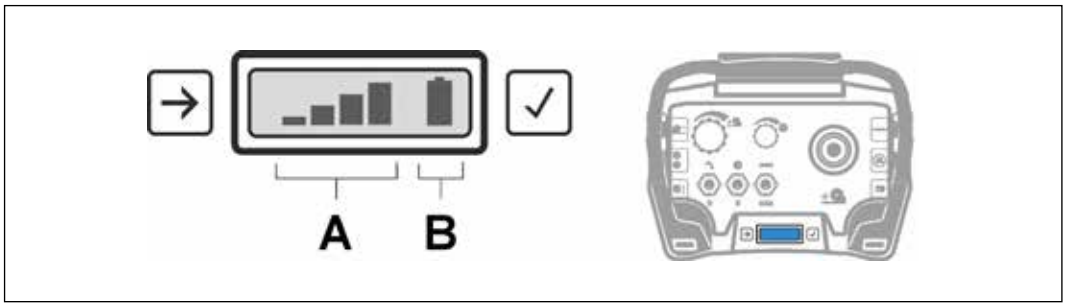
Main motor power indicator

INFORMATION
If the overload is too great (red LED), the system switches off and must be restarted.

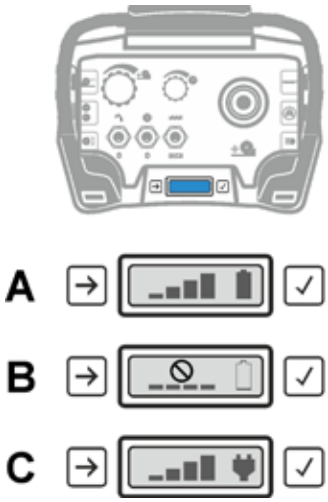
INFORMATION
If the mains power is low (orange LED), the remote control issues a warning.

5.2 Remote control power supply indicator

INFORMATION
The battery status and the signal strength of the radio connection can be read on the radio remote control.



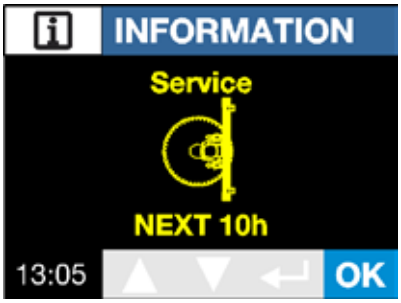
A Radio connection signal strength
B Battery level (radio remote control power supply)

Power indicators			
		Power supply	**Measure**
	**A**	Battery: Fully loaded, max. radio connection	None
	B	Battery: State of charge: empty, no radio connection	Battery: Replace, No connection to the control
	C	Wired operation without wireless facility	None

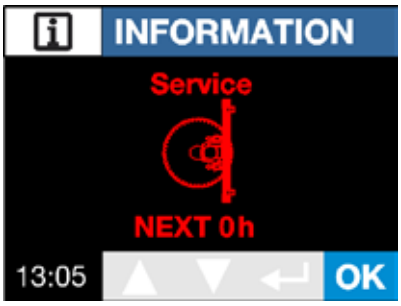
6 Maintenance and servicing

Servicing and maintenance table							
		Each time before putting into operation	After the end of work	Weekly	Yearly	If problems occur	If damage occurs
Electrical system	►Check the condition and cleanliness of the electrical cables, plugs and switches.	X	X			X	X
	►Check the condition and cleanliness of the couplings.	X	X			X	X
Wall saw head	►Tighten loose bolts and nuts (observe torque specifications)	X				X	X
	►Check cleanliness	X	X			X	X
Locking unit	►Clean locking grooves and guide grooves	X	X			X	X
	►Lubricate, see 6.3			X		X	X
Guide rollers	►Check bearing clearance for wear	X	X			X	X
	►Cleaning	X	X			X	X
	►Change						X
Chassis	►Clean with water		X				
	►Check saw blade arbour for wear	X				X	X
Swivel arm	►Replace gearbox oil	Every 100 h					
Water system	►Check that water line is clean and not leaking	X				X	X
	►Blow out water		X				
Saw blade	►Clean with water		X				
	►Check for wear	X	X			X	X
Service	►Have servicing work performed by Tyrolit Hydrostress AG or an authorised representative	After 100/300/500/700 hours					

INFORMATION
The PPE12RR control has a service interval display. Display when starting up the PPE12RR control.



For the device shown, for example, the next service is due in 10 hours.



Service is now due on the device shown

INFORMATION
Service case WSE912 / Tyrolit No.11010246

The WSE912 service case contains all the necessary parts, materials and tools to optimally maintain, service and adjust a WSE912 in accordance with the operating instructions.

Timely maintenance prevents unnecessary downtime!

6.1 Blowing out water

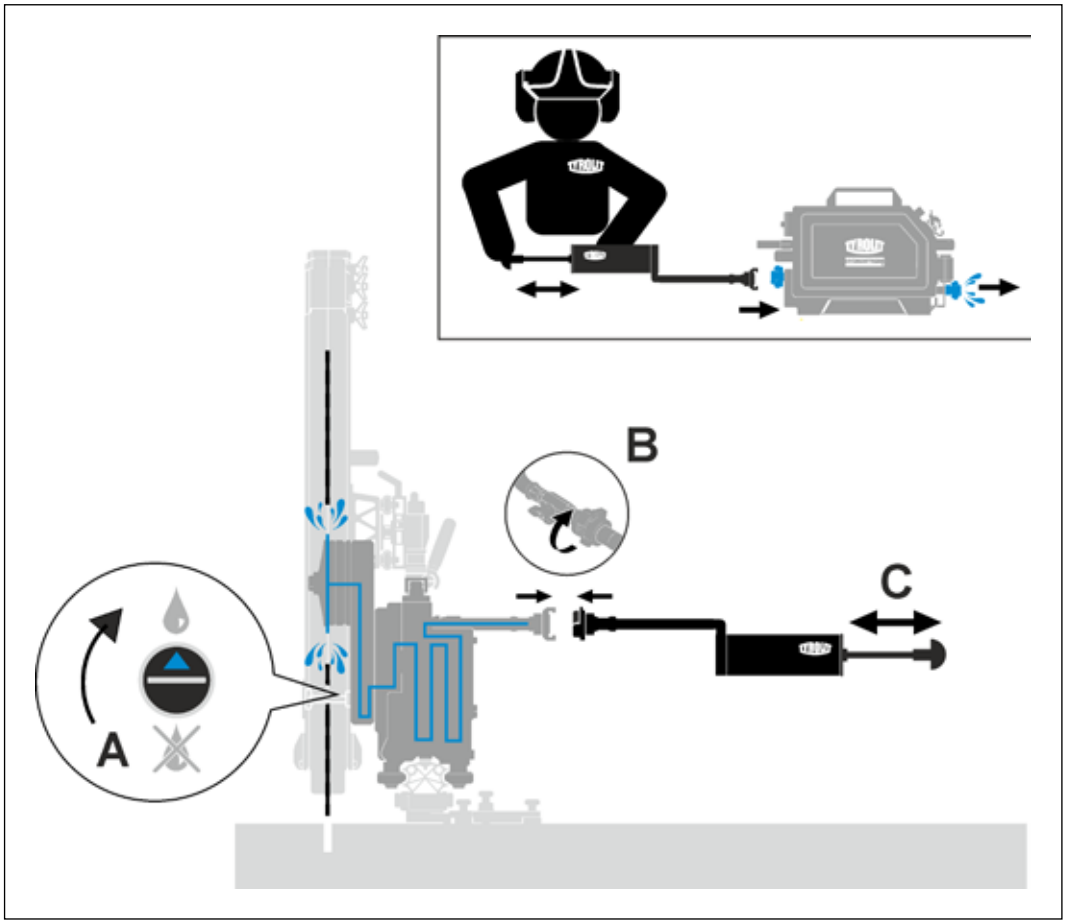
WARNING
Damage to the saw system due to frost!
If there is a risk of frost, blow out the water from the saw head and the PPE12RR control

Proceed as follows:

✓ Main switch on the PPE12RR control is set to **OFF**

►Pull out the mains plug.
►Detach all water lines.
►Connect the blow-out pump to the water outlet.
►Blow out water until all coolant has been removed.
►Remove the pump.

The blade guard holder must be fitted so that the water at the saw head can be blown out of the pipes correctly. Use the TYROLIT blow-out pump No.10982667.

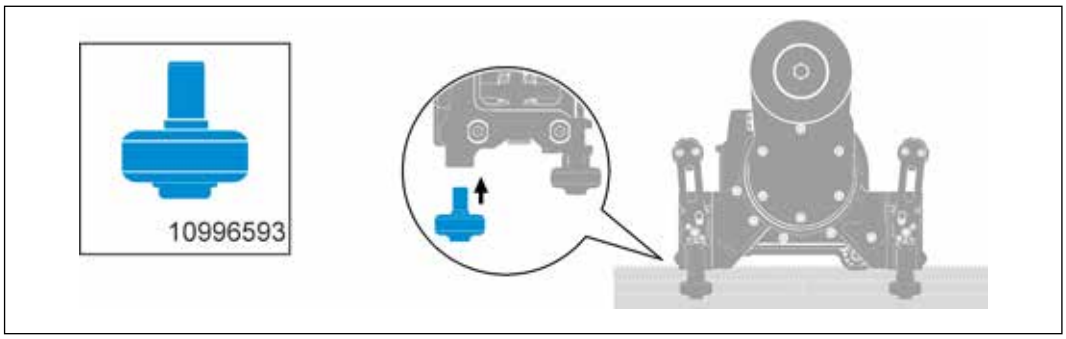


Blowing out water

6.2 Change guide rollers

✓ Tool

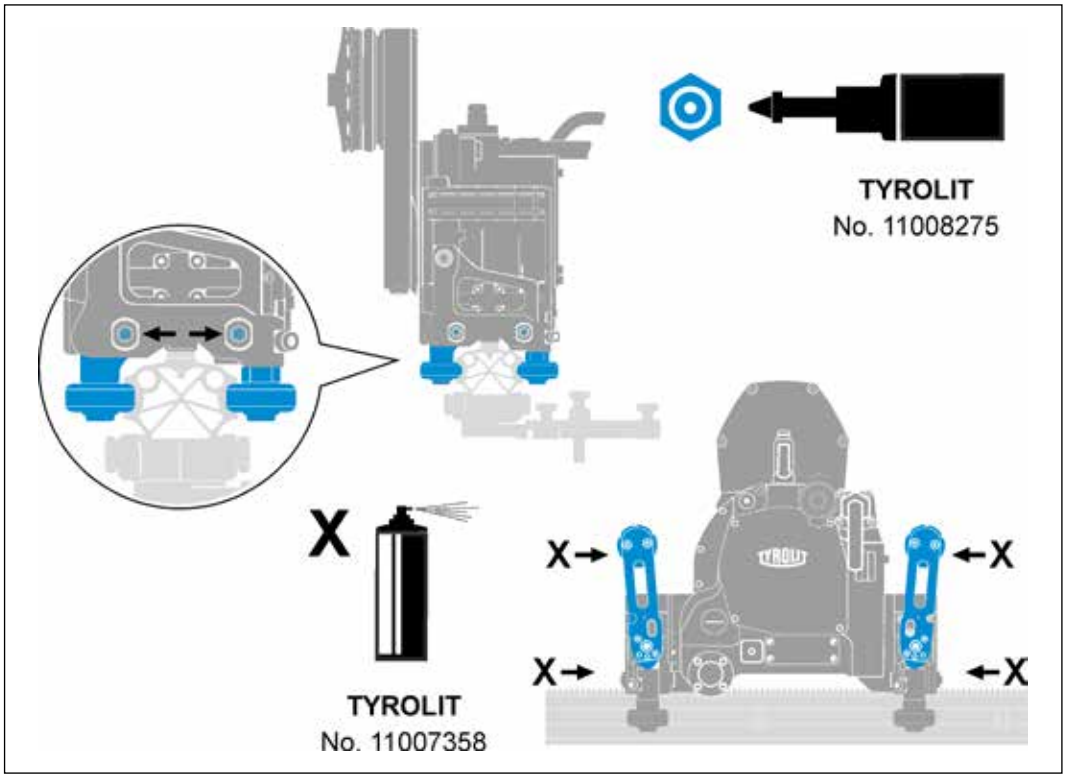
Allen key  6 mm



Change guide rollers

Replace defective guide rollers No.10996593.

6.3 Lubricate locking unit



Lubricate locking unit

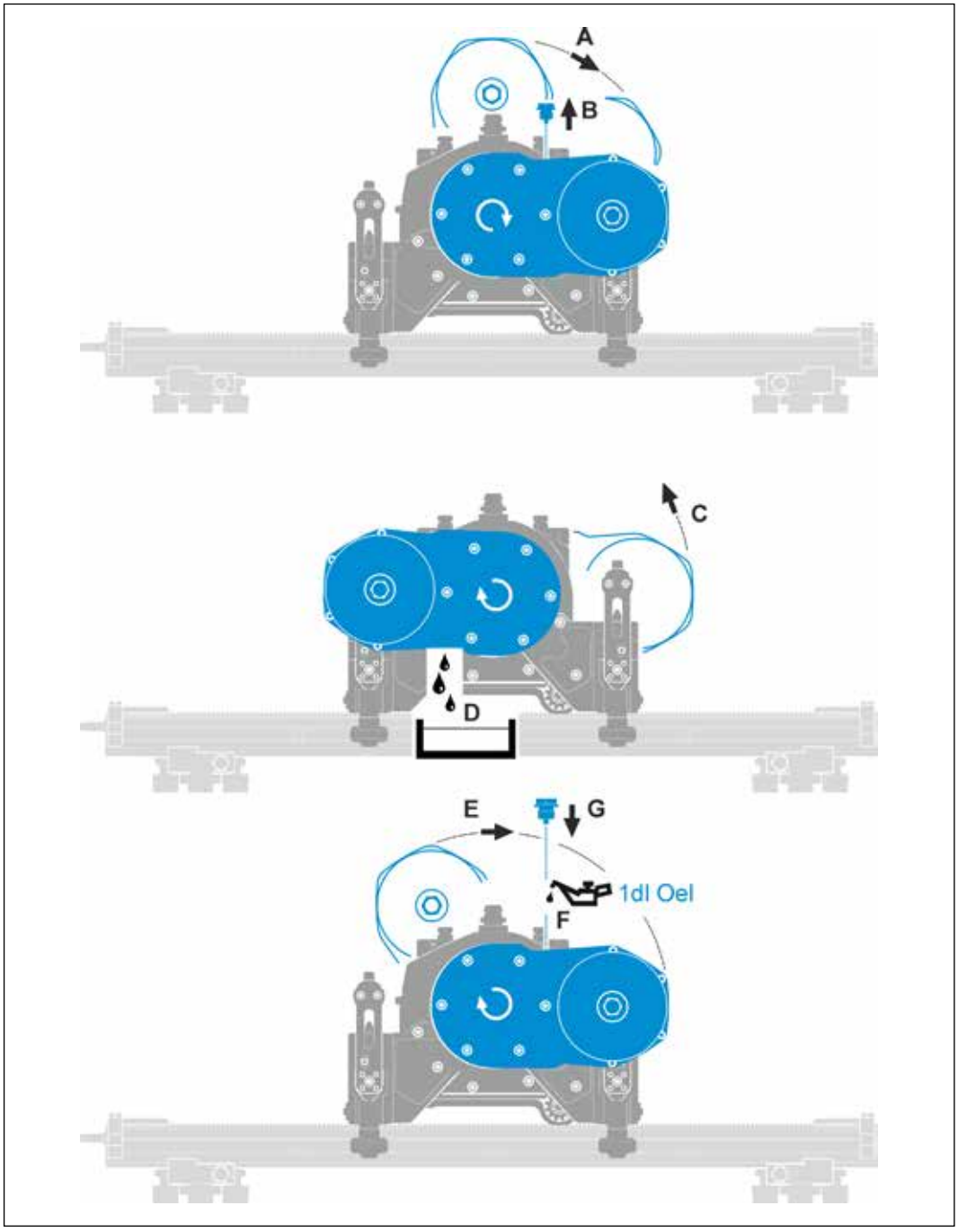
INFORMATION
Lubricating greases
1 Apply lubricant (Tyrolit No. 11007358) to joints and locking unit.
2 Lubricate with grease gun (EP Grease 2)

6.4 Change gearbox oil

INFORMATION
Damage to the wall saw due to unsuitable oil!
►Only use Tyrolit Hydrostress AG oil containers.

✓ Tool

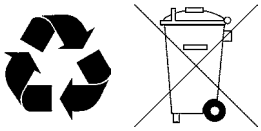
Open-end spanner		17 mm
Oil container		1.5 dl (TYROLIT No.11007351)



Change gearbox oil

INFORMATION
Drain the gearbox oil.
To allow all of the gearbox oil to drain out, leave the swivel arm in vertical position for approx. ¼ hour. The swivel arm can be moved back and forth a little in between. Important: Used oil is harmful to health and must not be disposed of directly in the ground or in nature.

6.5 Recycling waste materials



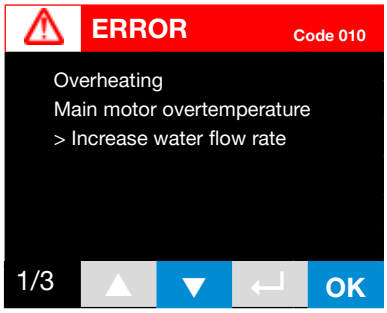
TYROLIT Hydrostress power tools are made from a high proportion of reusable materials. Proper material separation is a prerequisite for recycling. In many countries, Tyrolit has already set up arrangements for returning your old equipment for recycling. Ask Tyrolit Customer Service or your sales advisor.

7 Troubleshooting

INFORMATION
Information on system malfunctions and errors shown on the PPE12RR control display can be found in the operating instructions for the PPE12RR control.
(Chapter: Faults and error messages)

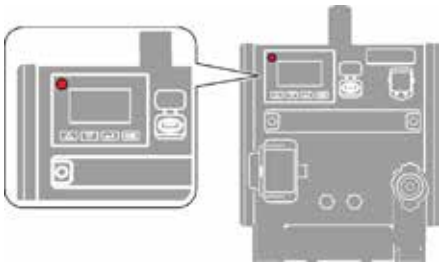
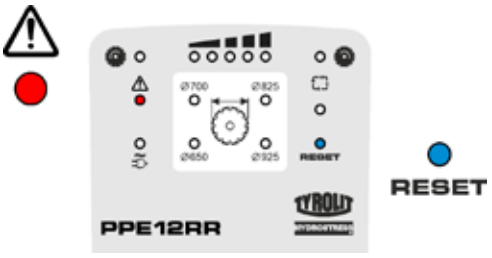
Example error display:

Cause: Overheating
Main motor overtemperature
Measure: Increase water flow



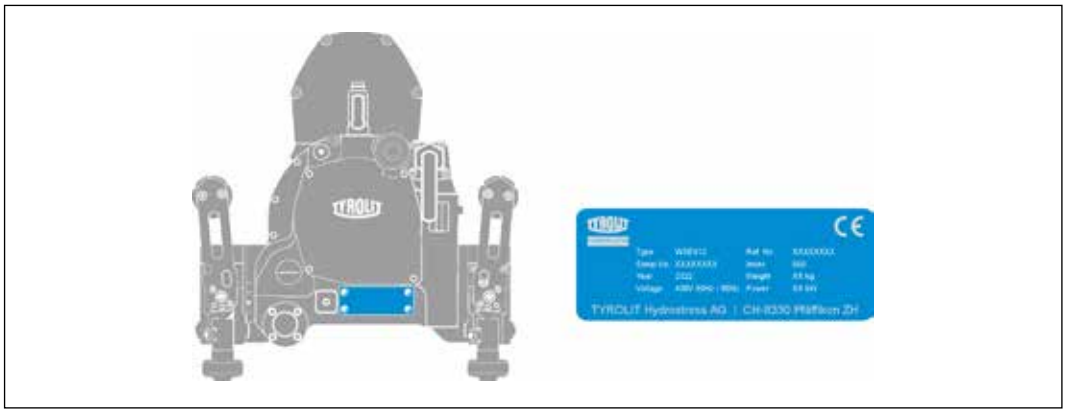
Example error display

INFORMATION
The following visual elements indicate a system malfunction:

PPE12RR control	Radio remote control
	
LED lights up red	Alarm LED lights up red RESET LED lights up blue

INFORMATION
If you were unable to remedy the fault, call our Service Centre (see manufacturer's address on the back of the cover page).

To ensure quick and professional troubleshooting, please prepare as follows before calling:



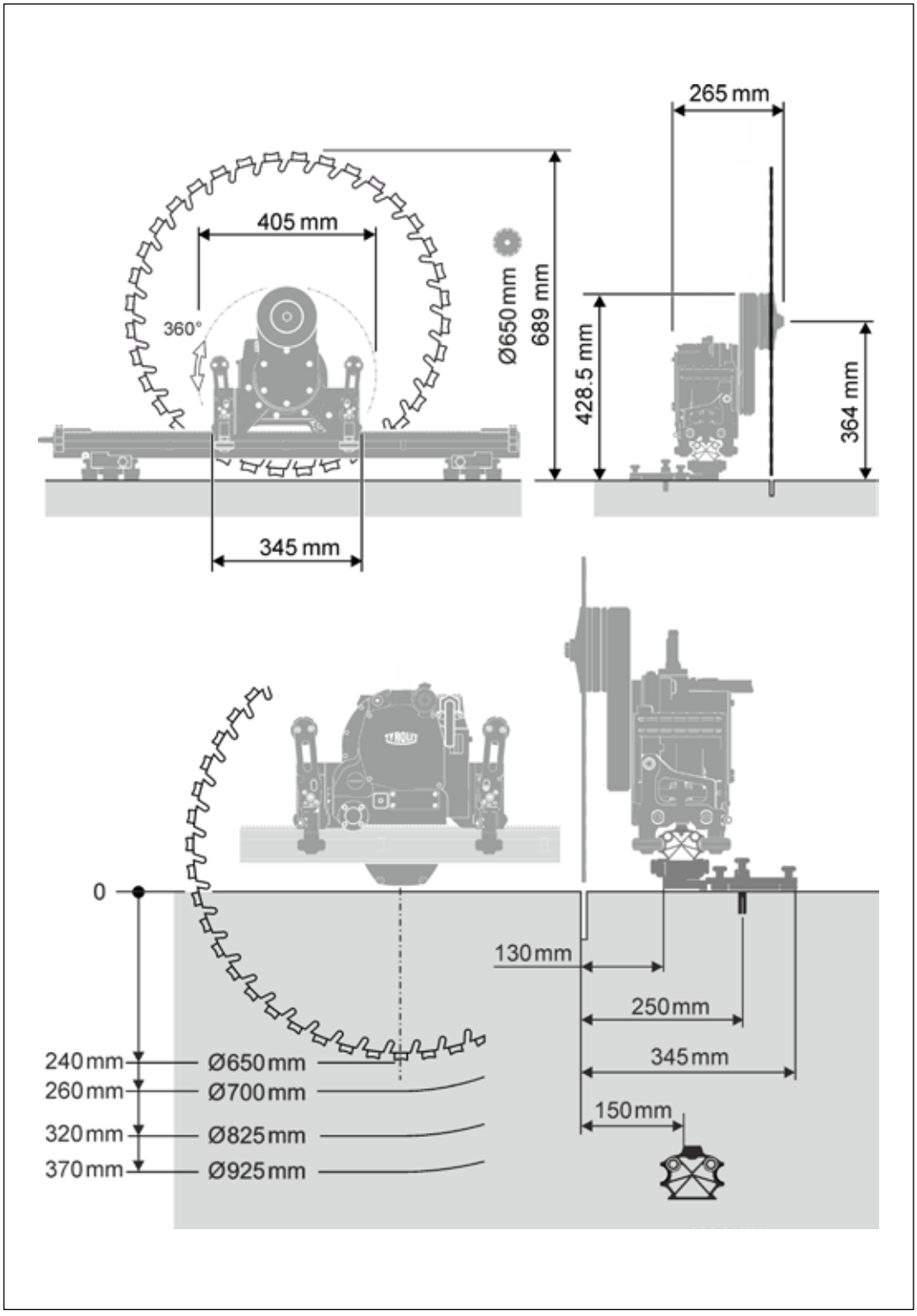
Type plate

Proceed as follows:

►Try to describe the fault as precisely as possible.
►Make a note of the type and index designation of your equipment (type plate).
►Have the operating instructions to hand.

8 Technical data

8.1 Dimensions



Dimensions in mm

8.2 Weights

Weight	
Parameter	**Value**
Complete wall saw head	25.5 kg
Control	18 kg
Remote control	1.4 kg

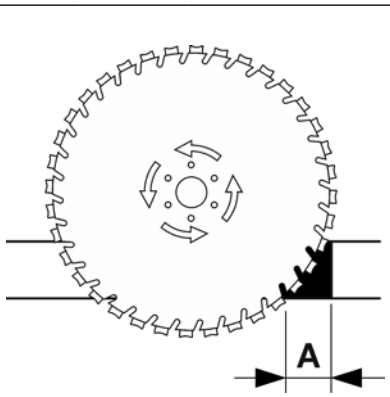
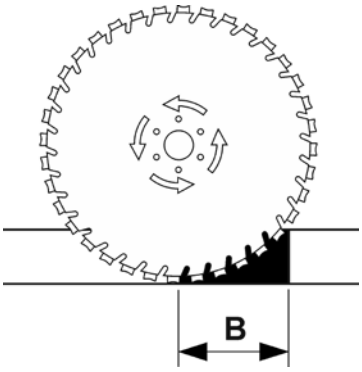
8.3 Design

Design	
Parameter	**Value**
Construction	Lightweight aluminium / steel construction
Rotating swivel arm	360°
Power transmission	Gear
Carrying handles	2 pieces, carrying handles combined with locking function
Roller guide	Wear-resistant, suitable for EX rails
Mounting on rail	Locking and securing function on the carrying handle
Main motor	Electric motor, water-cooled
Feed motor/swivel motor	Electric motor with gearbox
Flush cut	Flange without blade cover
Normal cut	Flange with blade cover
Water	Water connection on the chassis

8.4 Saw blades

Saw blades		
Parameter		**Value**
Saw blade max.		Ø 925 mm
Saw blade freely attachable		Ø 700 mm
Blade flange mounting on wall saw		Flange
Blade flange mounting for flush cutting		6 countersunk head screws M10x16 10.9 Pitch circle Ø 110 mm
Blade cover mounting on blade flange		1 hexagon head screw M12x40 8.8
Cutting depth	Ø 650 mm	240 mm
	Ø 700 mm	260 mm
	Ø 825 mm	320 mm
	Ø 925 mm	370 mm

8.5 Over-cut table

Over cut								
	Maximum cutting tool plunge depth				Minimum cutting tool plunge depth			
								
								
	Ø 650 mm	Ø 700 mm	Ø 825 mm	Ø 925 mm	Ø 650 mm	Ø 700 mm	Ø 825 mm	Ø 925 mm
	Dimensions in cm							
5 cm	0.21	0.20	0.15	0.12	17.00	17.50	19.50	
10 cm	0.50	0.45	0.40	0.32	24.50	25.50	27.00	29.50
15 cm	0.98	0.85	0.70	0.60	38.00	30.50	32.50	34.50
20 cm	16.50	14.50	11.50	10.00	30.00	32.50	36.00	39.50
24 cm	33.00							
25 cm		26.00	18.00	14.50		36.50	39.00	42.50
26 cm		34.00						
30 cm			27.00	21.00			40.00	44.00
32 cm			41.00					
35 cm				32.00				46.00
37 cm				48.00				

8.6 Saw blade infeed depths

Infeed depths				
Power		**100%**	**58%**	**33%**
Initial cut	All Ø	max. 5 cm		
Subsequent cut	Ø 650 mm and Ø 700 mm	10 cm	7 cm	5 cm
	Ø 825 mm	7 cm	5 cm	3 cm
	Ø 925 mm	5 cm	3 cm	2 cm

8.7 Noise

Noise data acc. to ISO 3744	
Parameter	**Value**
Noise pressure level L_{pA}	76 dB (A) *
Peak sound level pressure L_{pCpeak}	124 dB
Sound power level L_{WA}	96 dB (A) *

Measurement conditions:
* Saw blade Ø 825 mm (not sound-insulated) not in cutting mode at full load

8.8 Water

Water connection	
Parameter	**Value**
Pressure	min. 2 bar/max. 6 bar
Flowrate	min. 4 l/min
Max. temperature	25°C

8.9 Fluids and lubricants

Fluids and lubricants		
Parameter		**Value**
Gearbox oil (swivel arm)		Klüber GEM 4 -150N TYROLIT No. 10981362
Lubricating grease (locking unit) Tyrolit No. 975057	Penetration	265 to 295
	NLGI	2
Universal Spray 400 ml (locking unit) Tyrolit No. 11007358		
Lubricating grease (travelling and swivel gearboxes) TYROLIT No. 11008334	Penetration	280 to 310
	NLGI	2

8.10 Recommended ambient temperature

Ambient temperature	
Parameter	**Value**
Storage	-20°C to +50°C
Operation	-10°C to +45°C

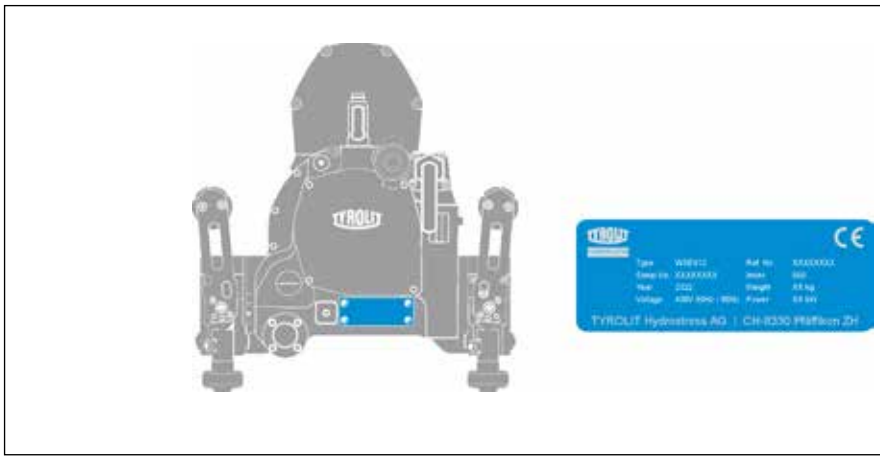
8.11 Electrical data for PPE12RR control

Electrical data	
Parameter	**Value**
Protection class	IP 65
Connected load	230 - 480 V / 50 Hz - 60 Hz
Current consumption	16 A
Power consumption	11 kW

8.12 Remote control PPE12RR

Remote control	
Parameter	**Value**
Cable length	10 m
Voltage	7.2 VDC
Degree of protection	IP 65
Weight	1.4 kg with battery/1.18 kg without battery
Radio frequency	2.4 GHz

8.13 Type plate



Type plate

9 EC Declaration of Conformity

Designation	Wall saw
Type designation	WSE912

We declare under our sole responsibility that this product complies with the following directives and standards:

Applicable directives

2006/42/EC	dated 17 May 2006
2011/65/EU	dated 8 June 2011
2012/19/EU	dated 4 July 2012
2014/30/EU	dated 26 February 2014

Applicable standards

EN ICE 62841-3-7:2021 + A11 2021

EN ISO 12100:2010

EN 60204-1:2006+A1:2009

EN 61000-6-2:2005

EN 61000-6-4:2007+A1:2011

Tyrolit Hydrostress AG
Witzbergstrasse 18
CH-8330 Pfäffikon
Switzerland

Pfäffikon, 06.11.2024

Reto Schaffner
Managing Director Technology

TYROLIT CONSTRUCTION PRODUCTS GMBH
Swarovskistraße 33 | 6130 Schwaz | Austria
Tel +43 5242 606-0 | Fax +43 5242 63398

Our **worldwide subsidiary companies** can be found on
our website at **www.tyrolit.com**