




Husqvarna®



Operator's manual

PG450



GB

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

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KEY TO SYMBOLS

Symbols on the machine:

WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Wear personal protective equipment. See instructions under the "Personal protective equipment" heading.

WARNING! Dust forms when grinding, which can cause injuries if inhaled. Use an approved breathing mask. Always provide for good ventilation.

This product is in accordance with applicable EC directives.

Environmental marking. Symbols on the product or its packaging indicate that this product cannot be handled as domestic waste.

By ensuring that this product is taken care of correctly, you can help to counteract the potential negative impact on the environment and people that can otherwise result through the incorrect waste management of this product.

For more detailed information about recycling this product, contact your municipality, your domestic waste service or the shop from where you purchased the product.

Other symbols/decals on the machine refer to special certification requirements for certain markets.



Explanation of warning levels

The warnings are graded in three levels.

WARNING!



WARNING! Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

CAUTION!



CAUTION! Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE!

NOTICE! Is used to address practices not related to personal injury.

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Dear Customer,

Thank you for choosing a Husqvarna product!

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. A purchase of one of our products gives you access to professional help with repairs and services. If the retailer who sells your machine is not one of our authorized dealers, ask him for the address of your nearest service workshop.

This operator's manual is a valuable document. Make sure it is always at hand at the work place. By following its content (operating, service, maintenance etc.) the life span and the second-hand value of the machine can be extended. If you will sell this machine, make sure that the buyer will get the operator's manual.

More than 300 years of innovation

Husqvarna AB is a Swedish company based on a tradition that dates back to 1689, when the Swedish King Karl XI ordered the construction of a factory for production of muskets. At that time, the foundation was already laid for the engineering skills behind the development of some of the world's leading products in areas such as hunting weapons, bicycles, motorcycles, domestic appliances, sewing machines and outdoor products.

Husqvarna is the global leader in outdoor power products for forestry, park maintenance and lawn and garden care, as well as cutting equipment and diamond tools for the construction and stone industries.

Owner responsibility

It is the owner's/employer's responsibility that the operator has sufficient knowledge about how to use the machine safely. Supervisors and operators must have read and understood the Operator's Manual. They must be aware of:

- The machine's safety instructions.
- The machine's range of applications and limitations.
- How the machine is to be used and maintained.

National legislation could regulate the use of this machine. Find out what legislation is applicable in the place where you work before you start using the machine.

The manufacturer's reservation

Subsequent to publishing this manual Husqvarna may issue additional information for safe operation of this product. It is the owner's obligation to keep up with the safest methods of operation.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

For customer information and assistance, contact us at our website: www.husqvarna.com

Design and features

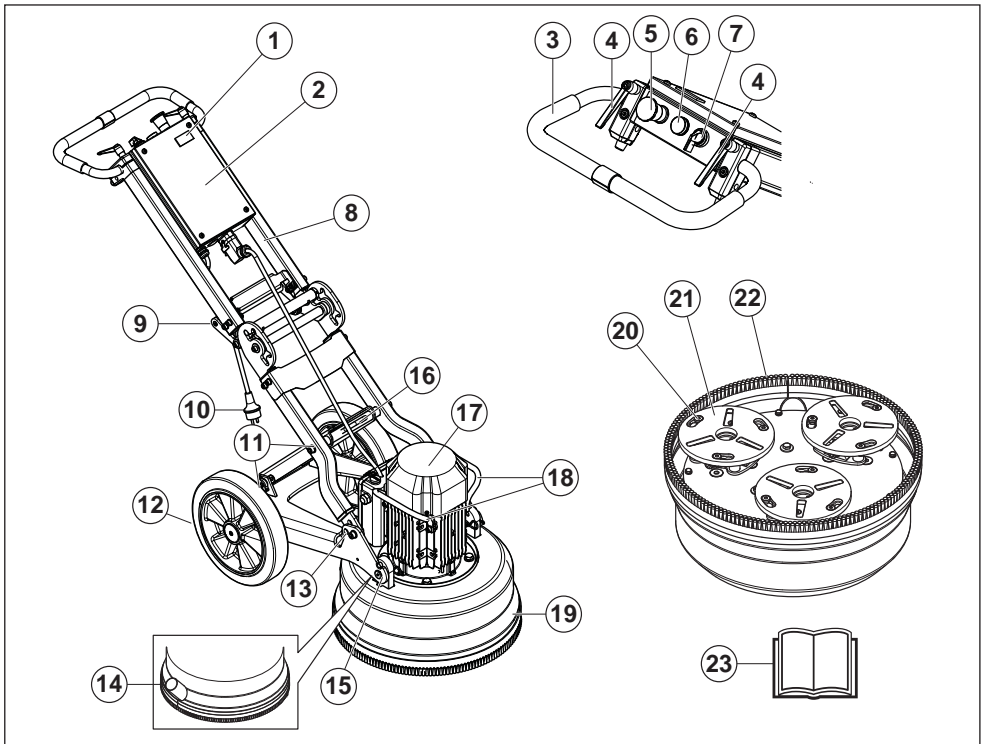
Values such as high performance, reliability, innovative technology, advanced technical solutions and environmental considerations distinguish Husqvarna's products. Safe operation of this product requires the operator to read this manual carefully. Ask your Husqvarna dealer if you need more information.

Some of the unique features of your product are described below.

PG450

- The machine is used for grinding and polishing concrete floors and other hard materials.
- The machine can be folded and is collapsible for simpler transport.
- PG450 is robust and easy to use
- The machine is equipped with a floating cover.
- 1-phase
- 3 discs, 9 segments full set
- The machine has a planetary rotation system
- Resin holder disc - Holder for plastic-bonded diamond tools.

WHAT IS WHAT?



What is what on the grinder?

- | | |
|--|---------------------------------------|
| 1 Counter | 13 Lock function |
| 2 Electrical cabinet | 14 Connection, vacuum hose |
| 3 Handle / handlebar | 15 Attachment for motor/grinding head |
| 4 Locking lever for handlebar adjustment | 16 Lifting eye |
| 5 Emergency stop | 17 Electric motor |
| 6 Overload lamp | 18 Lift handle, motor - PG450 |
| 7 Stop/run switch | 19 Floating cover |
| 8 Connection, quick connection for motor cable | 20 Head lock screw |
| 9 Handle for angle joint | 21 Satellite discs |
| 10 Plug | 22 Brush list |
| 11 Lock knob, support foot | 23 Operator's manual |
| 12 Rubber wheels | |

MACHINE'S SAFETY EQUIPMENT

General



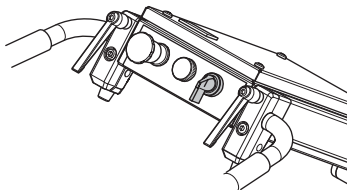
WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact your service agent to get it repaired.

This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly.

CAUTION! Connect the motor cable to the electrical box before connecting the plug.

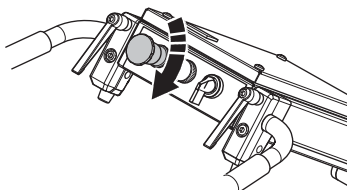
Stop/run switch

The start/stop knob is used to start and stop the machine.

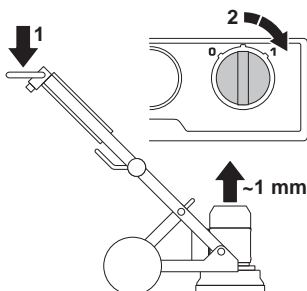


Checking the stop/run switch

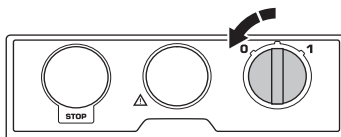
Check that the emergency stop or machine stop button are not pressed by turning them clockwise.



- Reduce the pressure between grinding disc and floor by pushing down the handle without lifting the grinding unit from the floor when starting.

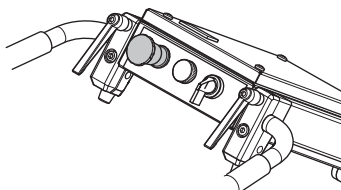


- Start the machine by turning the 0/1 knob to position 1 (drive). The machine will then start smoothly and accelerate to the set speed within 5 seconds.
- Turn the start/stop knob to '0' (stop) to stop the machine.



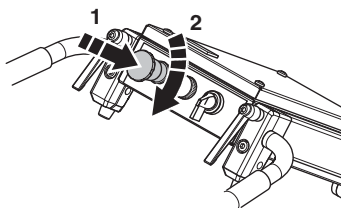
Emergency stop

The emergency stop is used to quickly switch off the engine. The emergency stop at the machine breaks the mains power supply.



Testing the emergency stop

- Press the emergency stop. Check that the engine stops.
- Disengage Emergency Stop button (twist clockwise).



OPERATING

General safety precautions



WARNING! This section describes basic safety directions for using the machine. This information is never a substitute for professional skills and experience. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent or an experienced user. Do not attempt any task that you feel unsure of!

- Do not use the machine without first reading and understanding the contents of this Operator's Manual. **Save all warnings and instructions for future reference.**

Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- The machine should not be used in areas where potential for fire or explosions exist.

Electrical safety



WARNING! There is always a risk of shocks from electrically powered machines. Avoid unfavourable weather conditions and body contact with lightning conductors and metal objects. Always follow the instructions in the Operator's manual to avoid damage.

Never connect the machine to a outlet if plug or cord is damaged.



CAUTION! The equipment fulfills the requirements in EN61000-3-11 and is subject for conditional connection to the mains. It may be connected in consultation with the supply authority.

The equipment will only be connected to the mains supply with impedance lower than 0,28 ohm. The system impedance at the interface point may be obtained from the supply authority.

If the mains supply has higher system impedance, short voltage dips may appear when the equipment is started. This may influence the operation of other products, e.g flickering lights.

- Check that the mains voltage corresponds with that stated on the rating plate on the machine.
- Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.
- Always shut down the machine before disconnecting the power plug.

- Never drag the machine by means of the cord and never pull out the plug by pulling the cord. Hold the plug to disconnect the power cord.
- Never use the machine if any cable or plug is damaged, but hand it in to an authorized service workshop for repair.
- The machine must never be driven to such a depth in water that it reaches up to the machine's equipment. The equipment can be damaged and the machine can be live, resulting in personal injuries.
- Always have the power cable disconnected when connecting and disconnecting the contact between the motor and the electrical box.

Grounding instructions



WARNING! Improper connection can result in the risk of electric shock. Contact a qualified electrician if in doubt as to whether the appliance is properly grounded.

Do not modify the plug. If it will not fit the outlet have a proper outlet installed by a qualified electrician. Make sure local regulations and ordinances are followed.

If the grounding instructions are not fully understood contact a qualified electrician.

- The machine is equipped with a grounded cord and plug and should always be connected to a grounded outlet. This reduces the risk of electric shock in the event of malfunction.
- The use of adaptors is not allowed with the machine.

Extension cords and cables

- The marking on the extension cable must be the same or higher than the value stated on the machine's rating plate.
- Use grounded extension cables.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- Keep the connection to the extension cord dry and off the ground.
- Keep cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cable increase the risk of electric shock.
- Check that the cables are intact and in good condition. Never use the machine if any cable is damaged, but hand it in to an authorized service workshop for repair.
- To avoid overheating do not use the extension cord while it is rolled up.
- Ensure the cord is behind you when you start to use the machine so that the cord will not be damaged.
- When using an extension cable, use only certified extension cables with sufficient reach.

OPERATING

Personal safety



WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists. These symptoms may be increased in cold temperatures.

- Wear personal protective equipment. See instructions under the "Personal protective equipment" heading.
- Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.
- Never allow anyone else to use the machine without first ensuring that they have read and understood the contents of the operator's manual.
- All operators shall be trained in the use of the machine. The owner is responsible for ensuring that the operators receive training.
- People and animals can distract you causing you to lose control of the machine. For this reason, always remain concentrated and focused on the task. Never allow children to use or be in the vicinity of the machine.
- Be careful as clothing, long hair, and jewellery can get caught in moving parts.
- There is always a risk of crush injuries when working with products containing moving parts. Keep your distance!
- Never leave the machine unsupervised with the motor running.
- Make sure that there is always another person close at hand when you use the machines, so that you can call for help if an accident should occur.
- Always ensure you have a safe and stable working position.

Personal protective equipment



WARNING! You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.

- Hearing protection
- Protective goggles or a visor
- Breathing mask

- Heavy-duty, firm grip gloves.
- Tight-fitting, heavy-duty and comfortable clothing that permits full freedom of movement.
- Boots with steel toe-caps and non-slip sole.
- Always have a first aid kit nearby.

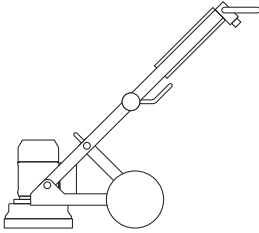
Use and care

- Only use the machine for the purpose it was intended for.
- Keep all parts in good working order and ensure that all fixtures are properly tightened.
- Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the Maintenance heading.
- Do not modify safety equipment. Check regularly that they function as they should. The machine must not be run with defective or disassembled safety equipment.
- Never use a machine that has been modified in any way from its original specification.
- Always use genuine accessories. Contact your dealer for more information.
- Machinery should only be started when grinding heads are resting on the ground unless carrying out a testing procedure as outlined in this manual.
- The machine should not be started without the brush list attached. It is essential a good seal between machine and floor be established for safety, especially when operating in dry grinding applications.
- During grinding, the machine must be connected to a vacuum cleaner for the removal of the dust.
- Make sure the machine is without power when changing diamond tools by pressing in the emergency stop and disconnecting from the power outlet.
- Always dismantle the diamond tool after each grinding operation.
- Make sure that the brush list is intact and clean and that it seals tightly against the floor. Damaged brush list should always be replaced.
- The tool plate continues to rotate for a while after the motor has been switched off. Maintain grinding action until the fan has come to a complete stop. Ensure the tool plate has stopped rotating before lifting up the machine.
- When grinding adhesive, asphalt, paint or the like, lift the front of the machine slightly after use to prevent it sticking to the floor from the heat. Ensure the tool plate has stopped rotating before lifting up the machine.
- Diamond tools may be very hot after use. Leave machine to cool off before removing the diamond segments. Use protective gloves.
- Always use the machine mounted lifting eye when lifting.
- Always carry the machine by the carrying handle and the handle.

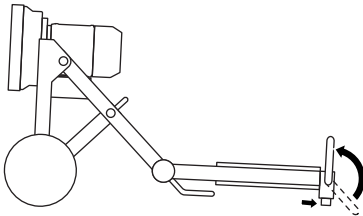
OPERATING

Various machine modes

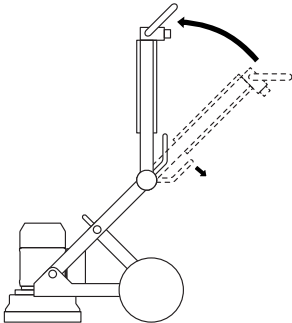
Operating position



Service position

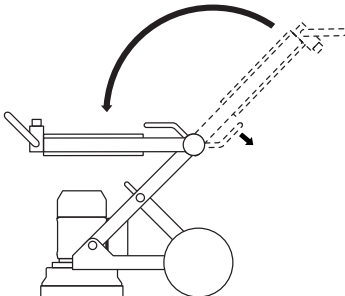


Tilting transportation position



Lifting transportation position

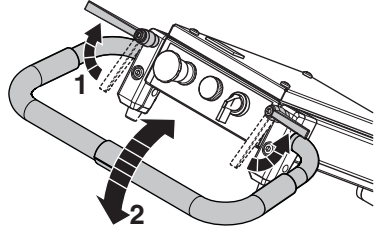
Put padding between the motor and the electrical cabinet to prevent damage to the machine.



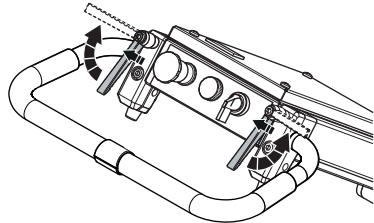
Handlebar adjustment

The handle can be infinitely adjusted. The handle lock knobs are operated clockwise, counterclockwise or placed in idle position.

- Loosen the lock knobs and adjust the handle to desired position.



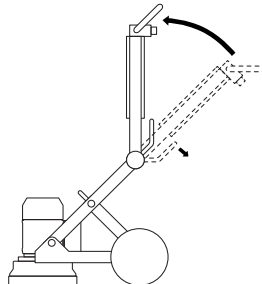
- Fix the position by tightening the lock knobs.
- When not in use, pull the handle lock knobs upwards and place them into idle position.



Frame height adjustment

The angle of the frame can be adjusted to alter the weight distribution of the chassis to decrease or increase grinding pressure. It can also be used to allow a more comfortable working position for different operators.

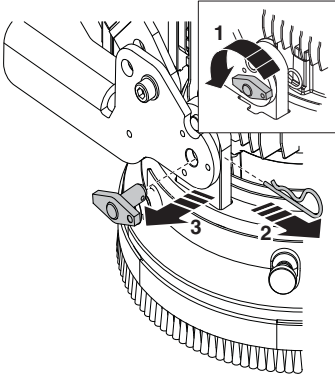
- Disconnect the motor cable from the electrical box.
- Standing beside the grinder, squeeze the handle on the central hinge while simultaneously angling the upper frame to the inclined transport position.



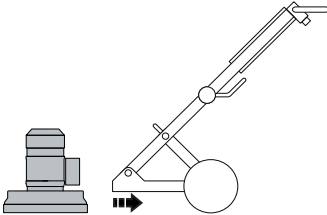
- Loosen the nuts a few turns to release any pressure.

OPERATING

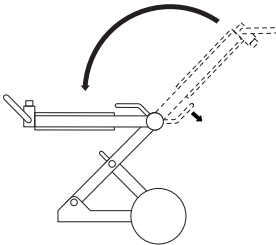
- Pull out the locking pins and remove the bolts on each side of the grinding head.



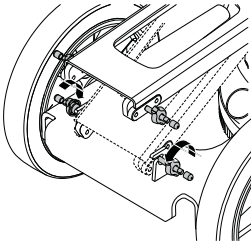
- Remove the wheel chassis from the grinding head.



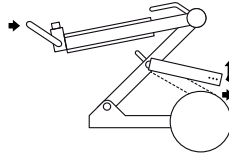
- Standing beside the wheel chassis, squeeze the handle on the central hinge while simultaneously angling the upper frame forward to the lifting position.



- Loosen the locking knobs on the support foot.

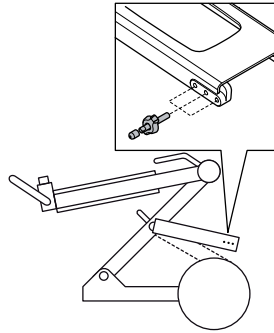


- Hold the handlebar to stabilize the frame and lift out and up the support foot.



- Choose the appropriate position required by tightening up the locking knobs in the correct hole.

The lower hole for a higher handlebar and greater grinding pressure. The upper hole for a lower handlebar and less grinding pressure.



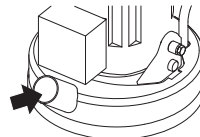
Handle heights

Hole position	Handle height, mm/inch
Upper	835/33
Center	925/36
Lower	1000/39

Connect the vacuum cleaner

Use a Husqvarna dust extraction system for complete dust control.

- Connect the dust extractor to the machine. Use a 50 mm (2 inch) hose.



Make sure that the filters in the vacuum cleaner are intact and clean. Pay attention to dust during operation.

Grinding guide Diamonds

Background

The diamond segment comprises usually of two components:

- Diamonds (also called diamond crystals or corn). Changing the size of the diamonds or corn will change the coarseness or fineness of the scratches after the grinding process.
- A bonding agent (metal or plastic). Powder is mixed and suspended in a metal or plastic bonding agent. If metal is used as a bonding agent, the finished product is called metal-bonded or sintered diamond segment. If plastic is used as a bonding agent, the finished product is called plastic-bonded diamonds or polishing disc. By changing the hardness of the bonding agent, you can change how quickly or slowly the diamond abrasive is worn down.

General Principles

General rules for using diamond tools when grinding follow below. As with all rules, there are exceptions or occasions when they do not apply.

Diamond grit size

Changing the size of the diamond grit to a smaller particle/grit size will effect the performance of the diamond tool in the following ways:

- Create a finer scratch pattern.
- Increased service life of diamond tools.

The opposite will occur when changing to a larger particle/grit size.

Binding agent

Increasing hardness of bond will:

- Create a finer scratch pattern.
- Increased service life of diamond tools.
- Decrease production rate.

The opposite will occur when making the metal or resin bond softer.

Number of diamond tools under the machine

An increased number of tools under the machine leads to:

- Less pressure on each individual tool – less wear on the diamond tools.
- Reduce load on the machine and cause the grinder to draw less current.
- Create a smoother scratch pattern (particularly on soft floors).

The opposite will occur when decreasing the number of segments under the machine.

Summary of diamond principles

The diamond tools must be worn in order to give a high grinding efficiency. The wear on diamond tools can be affected by the following factors:

- Pressure.
- Hardness of bond.

- Diamond grit size.
- Number of segments under the machine.
- Adding an additional abrasive (e.g. sand, silicone carbide) on the floor will increase wear.

Generally, the faster a diamond tool is worn down, the better the grinding efficiency. Changing the factors above can also change the following results:

- Scratch pattern.
- Current draw of machine.
- Flatness of floor (see next section).
- Ease of operation.

Determining the hardness of concrete

All concretes are measured by their compressive strength and depending on which part of the world you are from, different compressive strength indices (e.g. PSI & MPa) are used. Generally, the higher the compressive strength rating, the harder the concrete and therefore, the harder it will be to grind.

But there are also factors other than compression strength that determine how hard a floor is and which therefore affect the choice of diamond tool. As it is most often only the top layer (5 mm) that we are talking about from a grinding point of view, the surface treatment of the concrete and the condition of the concrete surface have many times a greater impact on the choice of diamond segment than the compression strength.

Surface factors to consider when making a diamond selection

Generally, if a concrete surface is very smooth (i.e. Most likely it has been heavily trowelled/helicoptered), the concrete will behave as if it has a high compressive strength and therefore, require a soft bond segment.

Accordingly, if a concrete surface is coarse/aggressive (e.g. rain-damaged, shot blasted, scarified, exposed aggregate e.t.c.), the concrete will behave as if it has a low compressive strength and therefore, require a hard bond segment.

Surface coatings/contaminants (e.g. Epoxy coatings, ceramic tile adhesives, levelling compounds/screeds) will often have a larger bearing on what diamond to select, than will the compressive strength of the concrete.

As a general rule, when grinding a concrete slab for the first time and you are unsure about its hardness, always begin with harder bond diamonds under the machine. This will ensure the least amount of wear on the diamond segments. If a hard diamond segment is not suited to the application, all it has cost is a little amount of time without wearing out the diamonds.

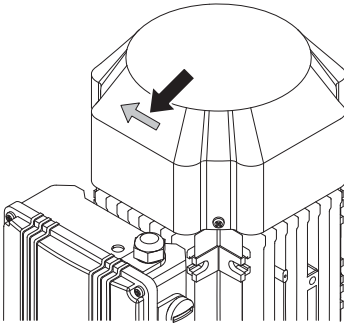
If performed the other way around (i.e. a soft segment is used to begin with) and the concrete is soft or possesses an abrasive surface or surface contaminant, it is quite possible to wear-out a considerable amount of diamond in very short period of time.

OPERATING

The motor's direction of rotation

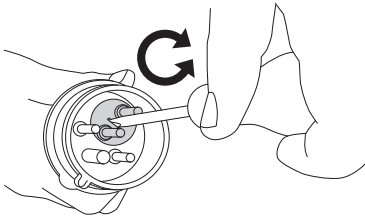
1-phase

The arrow shows the direction of rotation of the motor.



3-phase

The motor's direction can be changed by reversing the poles in the power plug.



NOTICE! The Piranha/PCD tools are designed to run in only one direction.

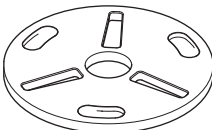
Diamond selection

The way diamond segments are set-up on the grinding unit will greatly influence the performance of the machine, the productivity levels and also the finished floor quality.

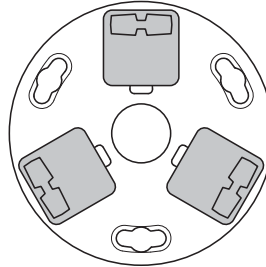
Metal bond diamonds

Redi lock holder disc - Used to fasten metal-bonded diamond tools.

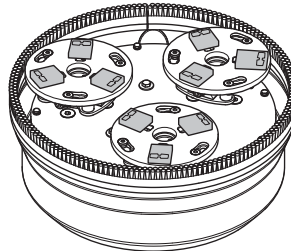
CAUTION! Husqvarna recommends three tools with single segment on each Redi lock holder disc when removing surfacing or normal concrete.



Complete set/satellite disc



Complete set - 3 Redi lock holder discs, 9 tools

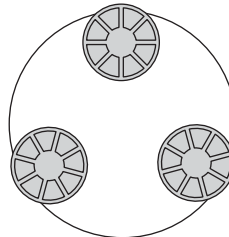


Resin bond diamonds

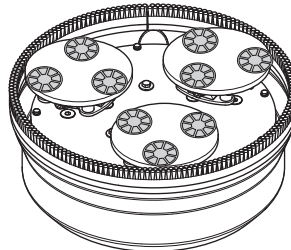
Resin holder disc - Used to fasten plastic-bonded diamond tools.



Complete set/satellite disc



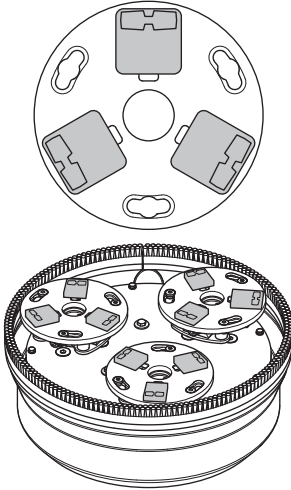
Complete set - 3 Resin holder discs, 9 tools



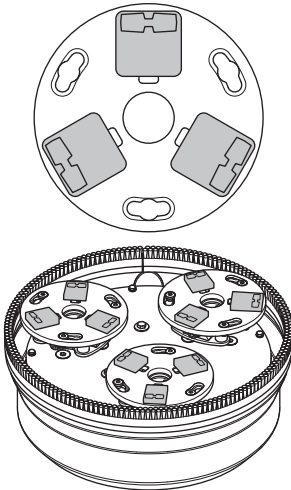
OPERATING

Husqvarna's recommendations for grinding before HiPERFLOOR

- 1 When grinding the first stage, use single segments on the tool plate.

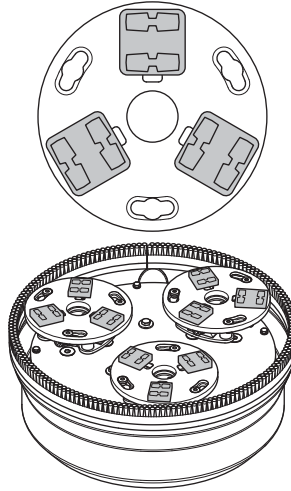


- 2 Change to a softer bonding agent but still use single segments on the tool plate.

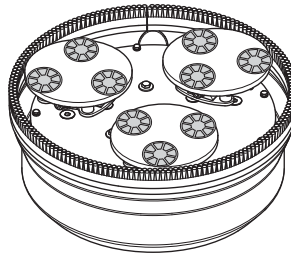


- 3 Change to a tool with double segments on each plate, same hardness or softer than step two. Apply water,

GM3000 and follow the recommendations given by Husqvarna in their HiPERFLOOR process.



- 4 Change to the tool holder for plastic-bonded diamonds and use Husqvarna's recommended tools for the HiPERFLOOR process. Apply HiPERHARD and allow it to cure in accordance with Husqvarna recommendations.

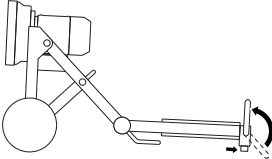


OPERATING

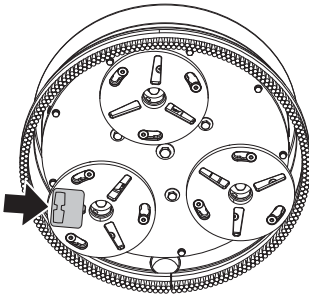
Changing the diamonds

Shut down the machine and disconnect the power plug.
Have a set of gloves ready, as diamond tools can get very hot.

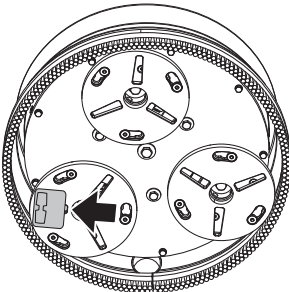
- Put the machine into service position.
- Pull back on handle to lift grinding head off the ground.
- Lay machine back on the ground.



- Put on gloves.
- Use a hammer to remove the diamond segments.



- Affix new diamond segments on the grinding disc.



- Once new diamond segments have been attached, reverse procedure to lower machine to ground.

Transport and storage

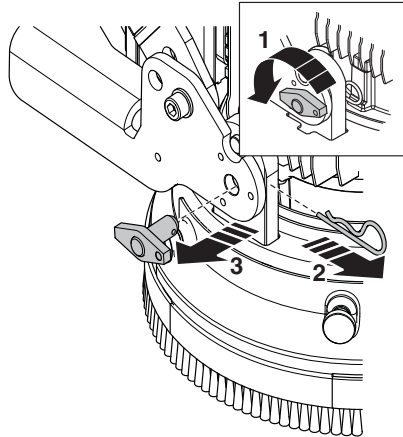
- Secure the equipment during transportation in order to avoid transport damage and accidents.
- The machine should be transported under cover where possible, limiting the exposed to natural elements – in particular rain and snow.
- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.

- The machine should always be stored in a dry place when not in use.

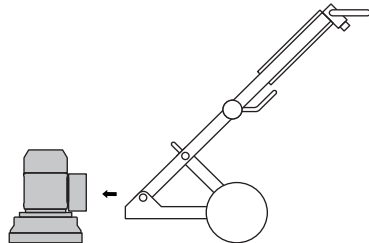
Transport

The machine can be taken apart and folded to give a smaller size when transporting.

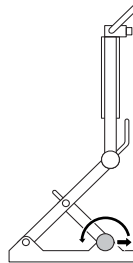
- Disconnect the motor cable from the electrical box.
- Remove the locking pins and then the bolts on each side.



- Loosen the grinding head from the wheel chassis.



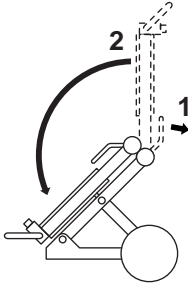
- Put the machine in inclined transport position. Loosen the locking knobs on the support foot.



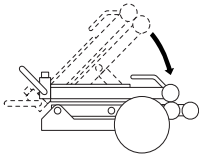
- Fold back the support foot.

OPERATING

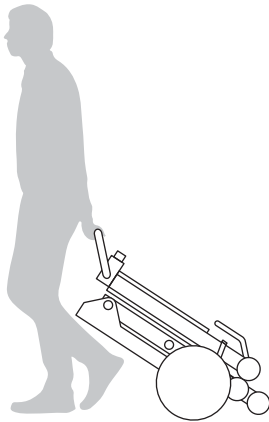
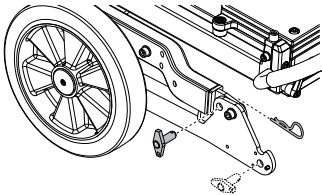
- Hold down the handle on the angle joint while simultaneously angling the upper part of the frame carefully forward.



- Carefully fold the machine forward.

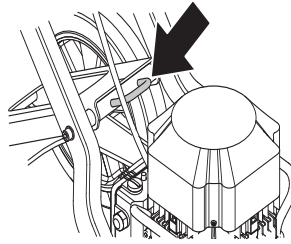


- Secure the machine with locking pin and bolt.



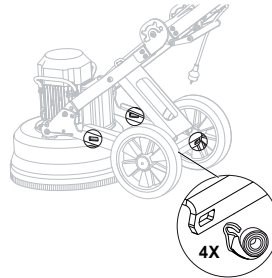
Lifting eye

- Always use the machine mounted lifting eye when lifting. To ensure a balanced lift, use a spotter as support when lifting.



Secure the machine

- The machine is equipped with holes for strapping down the machine to the vehicle during transport. Attach the strapping hook into the hole in the chassis and tighten it firmly downwards.



STARTING AND STOPPING

Before starting



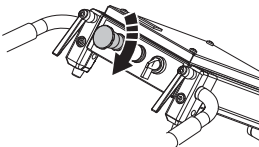
WARNING! Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Wear personal protective equipment. See instructions under the "Personal protective equipment" heading.

Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury.

Check that the machine is assembled correctly and do not show any signs of damage.

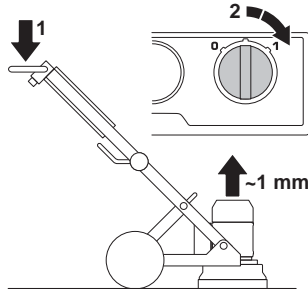
- Perform daily maintenance.
- Position grinder on the working area.
- Make sure there are diamonds beneath the machine and that they are firmly attached.
- Connect the dust extractor to the machine.
- Use locking knobs for handlebar adjustment to set most comfortable working height.
- Make sure the motor cable is connected to the electrical box before the machine is plugged into an electric socket.
- Plug the machine into an electric socket.
- Check that the emergency stop button is not pressed by turning it clockwise.



- Check the motor's direction of rotation

Starting

- Reduce the pressure between grinding disc and floor by pushing down the handle without lifting the grinding unit from the floor when starting.



- To start the machine. Start the machine by turning the 0/1 knob to position 1 (drive). The machine will then start smoothly and accelerate to the set speed within 5 seconds.

Stopping

- Turn off the machine with the start/stop knob, turn it to '0' (stop).



- Keep grinding segments in contact with the floor when stopping. This will help bring the machine to a complete stop quickly. Do not lift the grinding head off the floor when stopping as this can create a significant amount of dust in the air.
- Pull out the plug.

MAINTENANCE

Faults and trouble shooting

The machine does not start

- Check the power supply and the power cables to make sure they are not damaged.
- Check that the emergency stop button is not pressed by turning it clockwise.
- Check the overload lamp. If the overload lamp is on, allow the motor to cool down for a few minutes until the machine is automatically reset.

Machine is hard to hold onto

- Too few diamonds under the machine or the wrong type of tool for the application (stiff adhesive or soft floor coverings result in high stress to the machine and the user if there are too few diamonds under the machine). Usually also accompanied by high current draw by motor.

Use the number of diamonds recommended by Husqvarna to reduce the stress on the grinder and the user.

Machine is jumping around

- Diamonds may not be fitted correctly or have different heights. Check to ensure all diamonds are fitted correctly and are the same height.

The machine stops after just a while

- The machine is overloaded and the overload protection has been released. Reduce load. The machine will reboot after about a minute when the motor has cooled off.
- Ensure any extension cables are not under dimensioned.

The machine stops during start-up

- The electric motor has overloaded and the overload lamp is on. Give the machine one or two minutes to reset and try again. When this does not help, contact an authorised service workshop.
- Ensure any extension cables are not under dimensioned.

NOTICE! Good motor performance depends on proper voltage. Extension cables that are too long and/or which have a gage that is too small, reduce power to the motor under load.

Maintenance

IMPORTANT! Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.

Used correctly, the machine is an extremely low-maintenance and reliable product.

Daily maintenance

- Cleaning
- Electrical Feed
- Brush list
- Satellite discs

Cleaning

Always pull out the plug from the outlet socket before cleaning, maintenance or assembly.

Always clean all the equipment at the end of the working day. Do not use a high pressure washer to clean the machine.

In order for the machine to always be cooled sufficiently the cooling air openings must be kept clear and clean.

Electrical Feed



WARNING! Never use damaged cables. They can cause serious, even fatal, personal injuries.

Check that the cord and extension cord are intact and in good condition.

Never use the machine if the cord is damaged, hand it in to an authorized service workshop for repair.

Brush list

Make sure the brush strip is whole and reaches down to the floor.

Satellite discs

Rotate the satellite discs to make sure the internal belts are not damaged.

Also check that the head locking screws are tight and the rubber dampers are in good condition.

Service

IMPORTANT! All types of repairs may only be carried out by authorised repairmen. This is so that the operators are not exposed to great risks.

TECHNICAL DATA

Technical data

	PG450 (1-phase, 220-240V)		PG450 (1-phase, 100-120V)	
	50 Hz	60 Hz	50 Hz	60 Hz
Motor Power, kW/hp	2,2/3,0	2,2/3,0	1,5/2,0	1,5/2,0
Rated current, A	13	13	20	19
Rated voltage, V	220-240	220-240	100-120	100-120
Weight, kg/lbs	109/240,3	109/240,3	109/240,3	109/240,3
Grinding width, mm/inch	450/17,7	450/17,7	450/17,7	450/17,7
Diameter - grinding disc, mm/inch	3x180/3x7,1	3x180/3x7,1	3x180/3x7,1	3x180/3x7,1
Grinding pressure, kg/lbs	59/130	59/130	59/130	59/130
Rotation speed - grinding disc, rpm	705	865	470	575

Noise emissions

Noise emissions (see note 1)	
Sound power level, measured dB(A)	93
Sound levels (see note 2)	
Sound pressure level at the operators ear, dB(A)	79,2
Vibration levels (see note 3)	
Handle right, m/s ²	3,5
Handle left, m/s ²	3,9

Note 1: Noise emission in the environment measured as sound power according to EN 60335-2-72. Expected measurement uncertainty 2,5 dB(A).

Note 2: Sound pressure level according to EN 60335-2-72. Expected measurement uncertainty 4 dB(A).

Note 3: Vibration level according to EN 60335-2-72. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1 m/s²

TECHNICAL DATA

EC Declaration of Conformity

(Applies to Europe only)

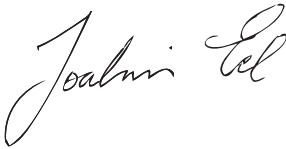
Husqvarna AB, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declares under sole responsibility that the floor grinder **Husqvarna PG450** dating from 2014 serial numbers and onward (the year is clearly stated on the type plate, followed by the serial number), complies with the requirements of the COUNCIL'S DIRECTIVE:

- of May 17, 2006 "relating to machinery" **2006/42/EC**.
- of February 26, 2014 "relating to electromagnetic compatibility" **2014/30/EU**.
- of February 26, 2014 "relating to electrical equipment designed for use within certain voltage limits" **2014/35/EU**.
- of June 8, 2011 on the "restriction of use of certain hazardous substances" **2011/65/EU**.

The following standards have been applied: EN ISO 12100:2010, EN 55014-1:2006+A1:2009+A2:2011, EN 55014-2:1997+A1:2001+A2:2008, EN 61000-3-11, EN 60335-2-72:2012, EN 60335-1:2010.

The supplied machine conforms to the example that underwent EC type examination.

Partille August 21, 2017



Joakim Ed

Global R & D Director

Construction Equipment Husqvarna AB

(Authorized representative for Husqvarna AB and responsible for technical documentation.)



www.husqvarnacp.com

**GB - Original instructions, DE - Originalanweisungen,
FR - Instructions d'origine, NL - Originele instructies
1158745-20**



2017-11-30