Operation Manual

Grinding Machine for Saw blades

Article 30167

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!
Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.
Updating the documentation
If you have suggestions for improvement or have found any irregularities please contact us.

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Although WilTec Wildanger Technik GmbH has made every effort to make sure that this user manual is complete, accurate and updated, errors cannot always be avoided. In the event of problems with this user manual please complete and send this form back to us.

FAX-notification (+49 2403 55592-15),
from: ________________________________________
Name: _____________________
Firm: _____________________
Tel/Fax: ___________________
I would like to report the following mistakes:

Customer Service WilTec Wildanger Technik GmbH
e-mail: service@WilTec.info
Tel: ++49 2403 55592-0

Introduction

Thank you for purchasing this quality product. To minimize the risk of injury by means of fire or electric shock we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.

Always use a grounded power connection with the appropriate mains voltage. You can find the corresponding mains voltage on the type plate. If you have any doubts about the connection being grounded, have it checked by a qualified professional. Never use a faulty electric cable.

Do not inspect the electrical part of the pressure pond filter in a wet or damp environment or when you are wet yourself and protect it from direct sunlight. Install this device in a safe location so that nobody can step on the cable, fall over or damage it. Disconnect the power plug before cleaning it and use only a damp cloth for cleaning. Avoid using cleaning agents and make sure that no liquid enters the electrical part of the pump.

The electric part of the device contains no parts that can be inspected or serviced by the user. Leave the maintenance, adjustment and repair to qualified technical personnel. In case of unauthorised intervention the 2-year warranty is no longer valid! Keep these operation instructions safe.
Application and security notice

- Before commissioning assemble properly all covers and safety devices. Attention to the installation procedure according section „commissioning“.
- Before commissioning check the device for any damage.
- Before commissioning make sure that any and all data on the type plate are in accordance with the data of your mains connection.
- Before each commissioning check the mains power plug and cables for damage.
- Only use the device with its grinding disc suitable for the respective application.
- Kindly acknowledge all safety instructions when commissioning. This is for your own safety and the safety of others.
- Never remove deliberately any mounted protective equipment.
- This device is only applicable for the sharpening of saw blades in the respectively authorized dimensions.
- Never make use of the device in the rain or in humid environment. Kindly pay attention to the respective instructions as well as the technical data.
- Never remove any protective cover or touch any moving or hot part of the device.
- Keep children away from the device.
- Only work within the specified performance range. Never overload the device.
- The packaging materials are to be delivered for recycling.
- Any technical modification to the device excludes the manufacturer’s liability.
- Attention! Never operate the device in case you are under the influence of alcohol or overtired.
- Always comply with the applicable safety instructions and regulations for the prevention of accidents.
- Make the engine come to complete standstill as soon as it has been switched off.
- Before commissioning make sure that all safety installations operate properly.
- Make sure to replace any defective safety installations and clothing as soon as possible.
- Before commissioning always check for the removal of adjustment tools and wrenches.
- Keep these instructions for use in the future.
- Always switch off the device before you leave the workplace and unplug the mains power cord.
- In case of an emergency switch off the device immediately and unplug the mains power cord.
- Attention! This sharpening device must only be operated in accordance with its intended use and has to be equipped with the matching grinding disc depending on the material that is ground.
- Always unplug the mains power cord before maintenance and adjustment.
- Make use of the transportation equipment when transporting the device.
- Always check the device with regard to any possible failure before commissioning.
- Only use the approved extension cords that must not exceed 50 m / 100 m with a cross section of 1,5mm² / 2,5mm².
- Never operate the device with a damaged mains power cord. Never lift and carry the device by grappling the mains power cord.
- This grinding machine has to be supplied and protected by a residual current device with a rated residual current not exceeding 30 mA.
- Protect the cord against sharp edges or corrosive liquids.
- Always wear a dust protection cover.
- Never operate the device near flammable liquids or gases which would lead to explosion or fire.
- Always wear appropriate clothing. When working outside we recommend to wear gloves, shoes that a slip-proof as well as tight-fitting clothes.
- Never touch the working area with your hands or other objects respectively while commissioning.
Technische Daten

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Capacity</td>
<td>110 Watts</td>
</tr>
<tr>
<td>Mains connection</td>
<td>230V 50 Hz</td>
</tr>
<tr>
<td>Rotation with idle speed</td>
<td>5.300 U/min</td>
</tr>
<tr>
<td>Cross section of disc</td>
<td>100 mm</td>
</tr>
<tr>
<td>Cross section saw blade</td>
<td>90 mm bis 400 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 5.4 kg</td>
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</table>
Assembly

The grinding machine for saw blades is supplied to a large extent in a pre-assembled version. After the assembly of the protection disc the device is ready for use.

Inserting the saw blade

- Open the clamping fixture on the device and remove the attaching shim and the centering piece.
- Insert the saw blade in the desired direction and fix it by using the parts of the clamping fixture in reverse order.
- The illustration as drawn below gives a detailed explanation for inserting the saw blade:

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<table>
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<tbody>
<tr>
<td>1</td>
<td>Clamping screw</td>
</tr>
<tr>
<td>2</td>
<td>Shim</td>
</tr>
<tr>
<td>3</td>
<td>Spring</td>
</tr>
<tr>
<td>4</td>
<td>Shim</td>
</tr>
<tr>
<td>5</td>
<td>Piece for centering</td>
</tr>
</tbody>
</table>
The position of the saw blade must be adjusted. In this respect you have to decide whether you wish to grind the tooth front or the back of the tooth.

Adjustment to grind the front of the tooth:

Adjustment to grind the back of the tooth:
The size of the saw blade is crucial for an exact setting of the grinding machine.

Loosen the clamping nut (1) to pull out and turn the holder. The ground plate and the mandrel fixing the holder, can be adjusted in the same way. Furthermore, you can adjust the engine’s position for those saw blades with a larger size. The variety of possibilities for the setting ensures to find the right position for each saw blade with a diameter of between 90 mm and 400 mm.

Examples for the setting:
Commissioning

Provide for a safe and firm stand and a solid assembly before using the device. Connect the mains power cord to a 230 volt grounded socket. Always wear your safety glasses as well as protective gloves while operating the device and make sure that there are no obstacles lying about within the
field of operation in order to work without being disturbed. Insert the saw blade as described into the grinding machine and turn the switch on/off button to start your work. Always keep an eye on the position of the extension cord while operating. Before commissioning we recommend you to run the cord in a way that ensures that it remains out of the area of cutting during the operation. Any improper application will cause an acute risk of injury.

Slowly move the grinding disc towards the saw blade that has to be sharpened. Never put any pressure upon it during the process of grinding but make the grinding disc slowly touch the saw blade. Work with care and caution all the time. The teeth of the saw blade as well as the grinding disc mean a source of danger thus leading to injury. Make sure to grind one tooth after another. We recommend to start by grinding the front side first and thereafter reset the machine to work on the back of the teeth.

Maintenance

After finishing your work, pull the mains power plug and clean the device thoroughly. Check it for any damage that might have been caused. The ventilation slots must not be blocked. Impurities are to be removed in order to guarantee the proper functioning of the device. The maintenance must only be done with mains power plug disconnected beforehand. Only operate the device if all its parts are have been checked before with regard to any damage. Any damaged part of the device as well as any damaged protective equipment must be replaced before commissioning.

The device should be regularly and thoroughly cleaned, for example with a brush. A constant purification is of crucial essence to guarantee the capacity and operational life of the device. If possible, do not use any cleaning agents which may contain solvents that damage the plastic parts of the device. Never use water to clean the device.

The screws and nuts of the device should be examined regularly and if necessary, be tightened. The thread of the engine should be greased regularly.

In case the engine runs irregularly or does not start at all, please contact an expert, who then will check the carbon brushes of the engine and replace them if necessary.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WilTec Technik GmbH has been registrated in the German registry EAR under the WEEE-registration number DE45283704.
Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.

Materials’ recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities or the store where you purchased the article.

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