Users manual
Grinding machine RO-300



Users manual / Spare part list

Grinding machine RO-300

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1 Preliminary notes

Dear customer,

You have chosen the RO-300 grinding machine, the right choice for quality and performance.

These operating instructions contain important information for the operation of your machine.

The operation manual identify important notes on safety and damage prevention
using the following symbols:

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The operation manual identify important notes on safety and damage prevention
using the following symbols:

Please comply with these instructions to avoid any damages and injuries.
They point to a possible dangerous situation. The nonobservance can lead to the death,
to heavy injuries and to material damages.

Warning!



Designates a potentially hazardous situation.
Please note that failure could cause death or injuries.

Caution!



Designates a dangerous situation.
Please note that failure could cause damages at products or others.

Note!



Important notes on the operation, intended for an optimum utilization of the equipment and other useful information.

The operation manual is intended to ***accompany the machine****.*

The operation manual has been prepared by the manufacturer on the basis of his knowledge and experience with respect to design, production and operation.

Specific instructions of the user may be added to these operation manual (for example to refer to surveillance and reporting regulations, inter-company maintenance and inspection schedules.

1.1 General notes for the operator

As a operator you are responsible for:

- The proper and normal operation by trained persons only,
- The adherence to the safety regulations, the safety notes, and the provisions referring to working safety and accident prevention,
- The technical instruction of the operation personnel on the equipment and their reading of the operation instructions of the equipment.

1.2 Guarantee and liability

ROLL ensures a guarantee and liability are in accordance with our currently valid general business and sales conditions. The guarantee runs out after 12 months from purchase date.

We reject any guarantee claims for tools which are not in their original condition, or for altered or changed tools or which are not used in accordance to the intended use.

We guarantee free maintenance of this machine when getting carriage paid, in case of damages due to manufacturing defects or material defects; provided that the machine is correct used and not changed or altered. Wearing parts are not under warranty

The guarantee claim expires:

- In case of damages caused by improper operation and utilization other than intended use.
- In case of incorrect assembly, intervention of unauthorized persons or utilization of accessories or replacement parts that are not ROLL original parts.

We strongly recommend the use of genuine ROLL spare parts and accessories even after expiration of the warranty period. This is the only way to ensure an impeccable operation of your machine.

Note!

Check the shipment in order to ensure that it is complete in accordance with the chapter „scope of delivery“, and inform your dealer immediately, should any shipment be incorrect.

2 Safety

2.1 Allgemeines

Die Beachtung der Sicherheitshinweise schützt vor Verletzungen und verhindert eine unsachgemäße Anwendung der Maschine. Jeder Benutzer dieser Maschine und Personen, die mit Montage, Wartung oder Reparatur der Maschine beschäftigt sind, müssen vor Beginn der Arbeit den Inhalt dieser Bedienungsanleitung gelesen und verstanden haben.

2.2 General information



Adherence to the safety notes helps to protect against injuries and reduces the risk of an improper utilization of the machine. Every user of this machine and personnel charged with the assembly, maintenance or repair of this machine must have read and understood the contents of the instructions prior to starting any work.

2.3 Safety instructions in operation



Warning! Risk of death!

When driving over the electrical lines, there is a risk of death due to electrical shock!

Security check before each startup:

- **Check connecting cables and plug-in devices for damage and correct connection value and for damage.**
- **Lay the electrical cable in such a way that no tripping hazards arise.**
- **Switch on the machine only in the working position.**
- **Hold both hands by the handles.**

2.4 Intended Use

The RO-300 has been designed to remove adhesive residue, coatings, putty and similar residue from concrete floors and to sand concrete floors.

Under no circumstances may the machine be used to machine other surfaces.

Outdoor use is not permitted.

If the machine is used in a different way than intended use and if persons are injured or things are damaged, no liability can be derived for the manufacturer from this.

2.5 Basic Safety Instructions

The rehabilitation router RO-300 has been designed and manufactured according to recognized rules of technology and in compliance with the occupational safety and accident prevention regulations and the EC guideline for safety of machines for the intended use.

Despite all safety and protection precautions, the machine may be dangerous during operation, especially if
- improper use the causes are.

Failure to observe the operating instructions, in particular the safety instructions, may result in injury or even mortal danger, as well as the risk of damage to property.

Warning, risk of electric shock



Do not use damaged cables and connectors. The machine may only be used in a technically perfect condition and with functioning safety devices.

- The machine secures the high-speed parts (such as diamond wheel) with protection against accidental contact or intervention.

- On some construction sites, especially in buildings whose power supply network and fuses are unknown, an FI protective plug must be used for safe operation of the machine.

2.6 User requirements

The users of this machine must

- instructed in the operation of the machine
- master the procedures required for handling and assembly
- know the applicable safety regulations for the operation of such machines and behave accordingly (see chapter Preliminary note)
- be informed about possible additional local regulations (eg for safety devices)
  be aware of any hazards that may arise from the operation of such machines.

2.7 Review according to DGUV 3

The operator must ensure that this machine is checked for its proper condition. The test may only be carried out by a qualified electrician or, if suitable test equipment is used, by persons instructed by electronic means.

2.8 Safety instructions Dust
Attention! Finest grinding dust



Grinding produces fine and finest dust. Dust can cause health problems if inhaled frequently. Always wear a dust mask when grinding.

The dust is extracted by means of the integrated extraction system. Always connect a suitable industrial vacuum cleaner!

2.9 Danger of cutting



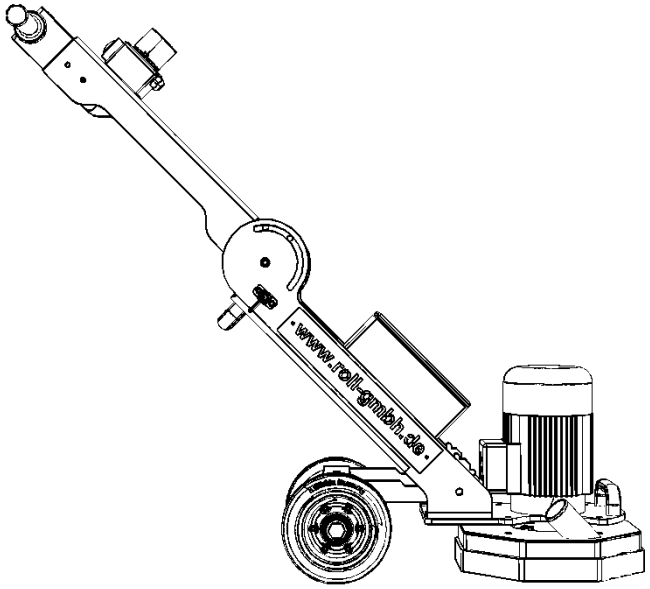
Caution, risk of cutting due to sharp edges when attaching diamond and PCD discs!



Carefully attach.
Wear gloves when attaching or changing.

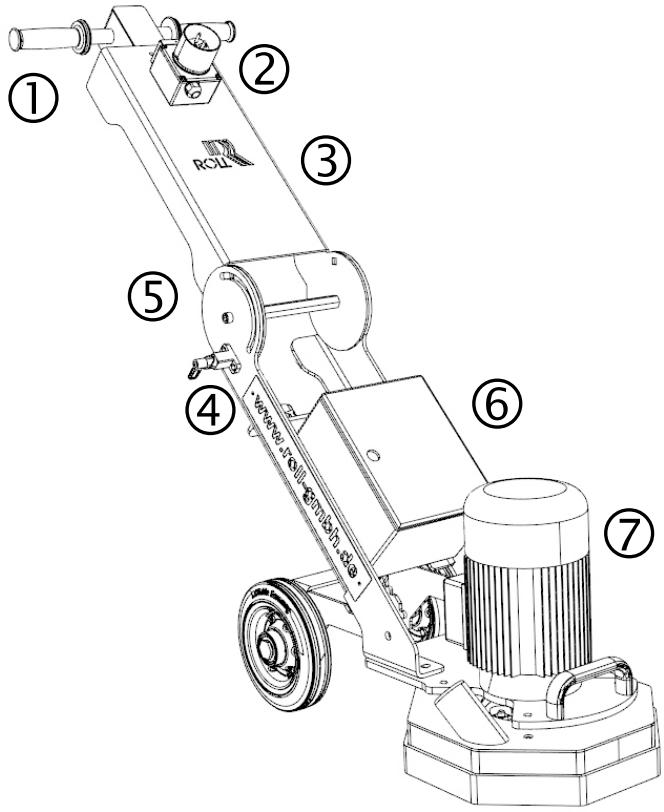
3 General for the user

3.1 Scope of delivery



1. Grindign machine RO-300
2. Suction hose
3. Extension cable
4. Fixing screws (6x)
5. Tool kit
6. Operation manual

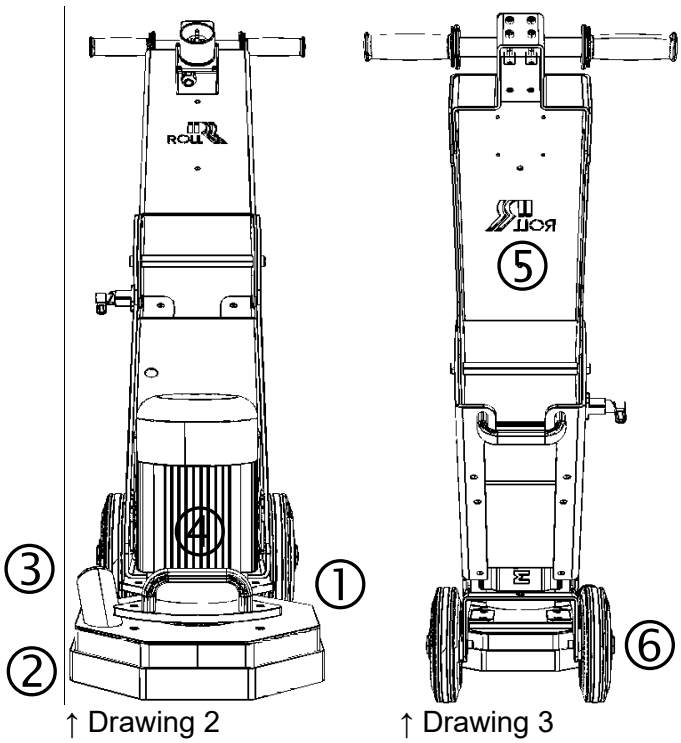
3.2 Important components of the machine



↑ Drawing 1

Drawqing 1

① Guide handle
② On- Off switch with connector
③ Handle
④ Locking lever (right left)
⑤ Clamping handle (right left)
⑥ Control box with frequency converter
⑦ Electric motor



↑ Drawing 2

↑ Drawing 3

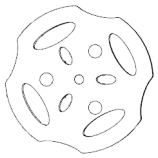
Drawing 2

① Vacuum hood
② Rubber strip
③ Vacuum hose connector Ø 50mm
④ Carrying handle (front)

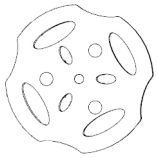
Drawing 3

⑤ Carrying handle (back)
⑥ Wheels

3.3 Accessories



Article: 17.16875
Diamond disc 300mm V12 red



Article: 17.16880
PCD-disc 300mm "PRO"

3.4 Disposal

The cardbox and pallet is reusable and can be used as a storage container. We recommend storage for possible return for inspection or repair.

3.5 Measurements / weight / technical data

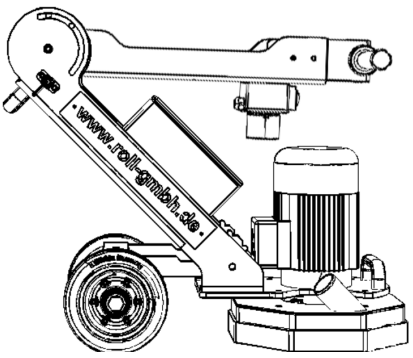
Technical data:	Power :	2200 Watt / 230V
	Rotation :	1650 rpm
	Weight :	63kg
	Working width :	300mm

4 Assembly

The grinding machine RO-300 is delivered fully assembled. The mounting of the discs takes place only at the place of use.

5 Transport

Often it is essential that the machine must be transported or carried to your application. Due to the low weight and the handy dimensions no handling instructions are required.



For transport in smaller vehicles, the handle can be folded.

Caution, Fragile!
Do not transport the machine without securing it onto the load area.

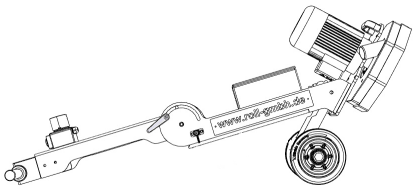
Caution, damage due to improper storage or transport possible!
If the device has been transported in extreme temperatures, it requires at least 2 hours of acclimatization prior to operation.

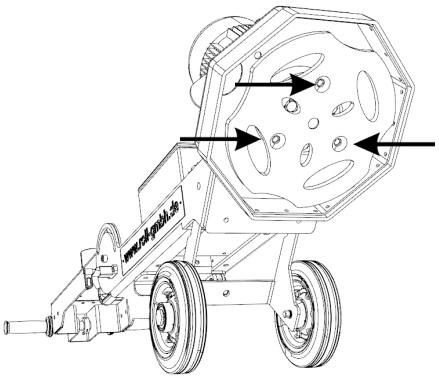
6 Operation

6.1 Assembly of the disc



1. Turn off the machine and unplug the power cord from the wall outlet.
2. Lay the machine on the floor with the handle folded
3. Mount the sanding pad with the 3 countersunk screws provided with lock washers.



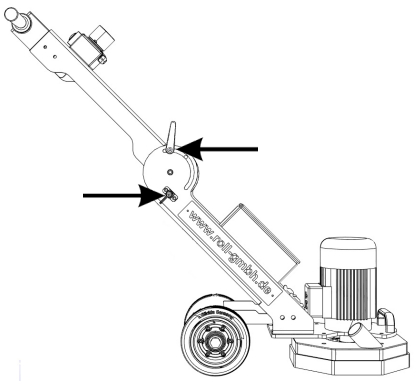


6.2 Prepare machine

6.2.1 Adjust height of the handle

For an easy and precise handling of the machine the correct height adjustment of the drawbar is important.

1. Open the handle lock on the right and left
2. Open the clamping handles on the right and left
3. Adjust the handle to the height of the operator
4. Close the clamp handles on the right and left



6.3 Starting the machine



Caution, risk of injury!
When switched on, the engine starts immediately.
Hold the machine with both hands to switch on.



Connection to the generator

Operation of the machine on a power generator is not permitted.
This can damage the frequency converter or overload the generator.



1. Make sure that the required grinding disc is mounted.
2. Connect your industrial vacuum cleaner to the grinding machine RO-300.
3. Connect the supplied extension cable to the machine and connect it to the socket.
4. Lower the pressure between the disc and thefloor by pressing down the handle without lifting the device completely from the ground.
5. Switch on the motor with the on / off switch.
6. After the engine has reached full speed, carefully place the grinding disc to the ground.
7. After grinding, switch off the motor with the on / off switch.



Make sure that the grinding disc remains in contact with the ground when stopping. This allows the machine to be stopped completely quickly.



After switching off, it may take some time until the grinding disc comes to a standstill. Before lifting the machine, make sure that the grinding disc does not rotate any more.



8. Disconnect from the socket

EC declaration of conformity

Original-declaration of conformity

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Authorized person, for the compilation of technical documentation:	Name: Stephan Roll, Geschäftsführer, Roll GmbH Street: Albstr. 12 City: 72820 Sonnenbühl Country: Deutschland
Product:	Product description: Floor grinding machine Model: RO-300

The above machine meets the requirements of the following guidelines and standards:

- Machinery Directive 2006/42/EG
- EC directive for electromagnetic compatibility 2004/108/EWG
- Low Voltage Directive 2006/95/EG

- DIN EN ISO 14118:2018-07 Avoid unexpected startup
- DIN EN ISO 12100 Security of machines
- DIN EN 55014-1 /-2 Electromagnetic compatibility
- DIN EN 60204-1 Electrical equipment of machines
- DIN EN 60745-1 Hand-held motor-driven electric machines

Sonnenbühl, 16. Mai 2024

Stephan Roll, Managing Director
First name, name, function