

Lägler®


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SINGLE

The single disc sanding machine



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Application

Sophisticated technology, robust construction!

* Padding, sanding and
cleaning of wooden floors

With suitable accessories also ideal for:

* intensive dry
subfloor treatment

Technical Data*

Motor:	single-phase alternating current with no-voltage release
Voltage:	230 V / 50 Hz
Motor power:	1,2 kW
Necessary fuse protection of mains supply:	at least 16 A
Diameter of disc:	406 mm (16")
Speed of disc:	approx. 180 1/min (rpm)
Overall weight of machine:	45 kg (approx. 99 lbs)

Characteristics

- ✓ Powerful motor with thermal overload protection
- ✓ Versatile use
- ✓ Universal disc for sanding, padding and cleaning
- ✓ Height of the handle infinitely adjustable
- ✓ Quick change of the discs
- ✓ Very robust metal planetary gear
- ✓ Integrated adapter for external dust
extraction directly on the machine housing



*) On request available in other versions
(depending on the power supply in your country and the area of application).

Scope of delivery

- ✓ **Tools** – two hexagonal spanners SW5 and SW6.
- ✓ **Respiratory protection mask** – for dust protection, also from carcinogenic dusts.
- ✓ **Extension cable** – with a cable cross-section of 3 x 2.5 mm² and a cable length of 10 metres.
- ✓ **Cotton bag** – all accessories included in the scope of delivery are safely stored here.
- ✓ **Operating instructions / Sanding manual** – important information about the machine and applications.
- ✓ **Strain relief ring** – always keeps the extension cable out of the working area of the machine.
- ✓ **Universal disc** – for sanding, padding, polishing and cleaning floors.



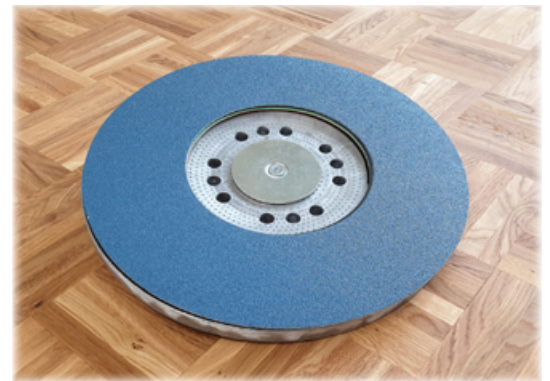
Accessories

Suitable accessories make your everyday work easier and extend the possible uses of your machine. Discover the numerous possibilities!

Universal sanding disc

The sanding plate is included in delivery.

The versatile plate can be used for sanding, padding, polishing and cleaning floors. The construction of the plate allows to attach velcro rings and discs, tension sanding discs, sanding grids and different pads.



Additional weight

The additional weight, which can be filled with water, allows the pressure on the milling or sanding disc to be increased by up to 20 kg. After use, it can be emptied and then easily transported due to its low weight.

Extraction adapter

Ideal for connecting the SINGLE to an external extraction system whenever this is required or desired. Quick and easy to mount due to integrated impact surface, its angled shape allows different hose sizes to be connected.

- Variable connection due to two-stage inner diameter
- 1st stage: Ø 44 mm 2nd stage: Ø 54 – 55 mm (conical)
- Extremely robust (thermoplastic PETG plastic in 3D printing)



LÄGLER 5-STAR

The new robust multi-disc plate adapts perfectly to the floor thanks to the flexible spring steel of the individual steel sanding plates.

This effect is enhanced by the use of the flexible Velcro discs. The individually mounted sanding plates rotate in the opposite direction to the entire plate. This reduces vibrations, makes handling easier and ensures a significantly improved sanding pattern.

Technical data:

- multi-disc plate with 5 **non-driven** steel sanding plates
- Total diameter of multi-disc plate: 420 mm
- Carrier plate: material thickness 8 mm / stainless steel
- Plate holder: material thickness 4 mm / stainless steel
- Mounting the steel sanding plate: screwed



Transport lock

During transport, e.g. over uneven terrain or small steps, this transport lock reliably protects the handle of the SINGLE from damage. Fitted as standard since 2021, it can also be retrofitted to machines built in 2019 or later.

Retrofit kit wheels and handle

Since 2019, the SINGLE has been equipped with rubber wheels and an additional bow handle as standard. All previous models can be retrofitted with it.

The elastic solid rubber wheels with large outer diameter allow comfortable and easy transport of the machine, even on uneven surfaces and over small obstacles. The handle allows the single disc sanding machine to be carried more easily.



Sanding and Milling Tools

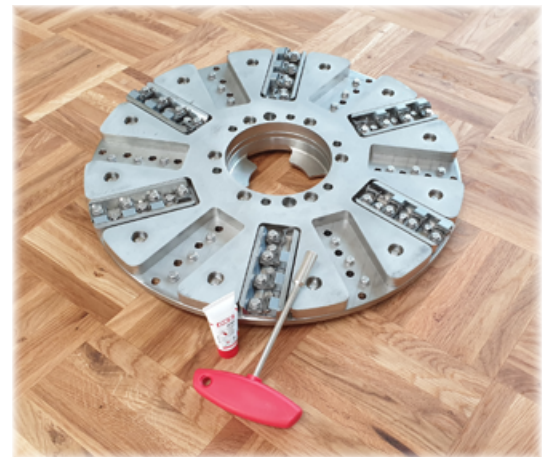
Various tools are available for the SINGLE for a wide range of applications.

The base disc made of stainless steel with a diameter of 406 mm can be easily converted to any available tool variation.

Milling Disc with ceramic cutting inserts

This milling disc for the SINGLE was designed for rough subfloor treatment. Among other things, it is used to remove old felt backing, tile adhesive or plaster residues.

The ceramic milling disc is supplied with 6 cutter holders. These are each equipped with 3 ceramic reversible milling cutters. The number of ceramic reversible milling cutters can vary from 1 to 4. This allows to adjust the aggressiveness of the Milling Disc according to individual requirements.



Material	Application	Subfloor
Ceramic	<ul style="list-style-type: none"> Removal of carpet and adhesive residues, priming material, and tile adhesive residues 	Screed



DIAMOND Sanding Disc SINGLE

The DIAMOND sanding disc is perfect for the subfloor preparation, e.g. for sanding and levelling of screeds and removing sinter layers. Furthermore, this tool is ideal for the removal of residues on screed surfaces.

The sanding disc consists of a stainless steel base disc, which is equipped with six red diamond sanding segments.

Material	Application	Subfloor
MCD = monocrystal- line diamond	<ul style="list-style-type: none"> Sanding down of screed, e.g. sintered layers; Levelling screeds; Removal of tile adhesive, priming material, and plaster residues 	Screed

Scrabber Disc GREEN SINGLE

Six green PCD segments, each with a wide cutting edge, transform this Scrabber Disc into the ideal tool for removing, for example, residual parquet adhesives, residual tile adhesive, residual filler- and coatings paint on screed and OSB-panels or chipboard.



Material	Application	Subfloor
PCD = polycrystalline diamond	<ul style="list-style-type: none"> Removal of hard and elastic adhesive residues and residues of priming material, foam and cardboard backing, felt and jute backing, plaster, paint Gentle on the subfloor (wide cutting edge) 	Screed, OSB-panels, and chipboard

Scrabber Disc BLACK SINGLE

In addition to the same applications as the Scrabber Disc GREEN, this tool is also suitable for removing thin layers of bitumen.

Due to the six black PCD segments, each with three narrow cutting edges, it processes the surface even more aggressively.



Material	Application	Subfloor
PCD = polycrystalline diamond	<ul style="list-style-type: none"> Removal of hard and elastic adhesive residues, and residues of priming material, more aggressive than Scrabber GREEN (narrow tailors) 	Screed, OSB-panels, and chipboard



Abrasives and pads for the SINGLE



The Lägler® abrasives are optimally adapted to the SINGLE and its wide range of applications.

The use of high-quality materials ensures maximum efficiency when using our sanding discs and sanding grids! The Lägler® sanding discs are made with a velcro coating and a particularly high-quality paper backing. They can be quickly and easily velcroed onto the sanding disc.

Polishing pads and sanding pads are available in different designs, identified by different colours. In general, the pads are very versatile and can be used for polishing, sanding, matting and cleaning parquet floors.

The darker the colour of the pad, the harder and more abrasive it is. Black pads, for example, are suitable for cleaning heavily soiled parquet floors. Beige and white pads, on the other hand, are used for polishing and padding parquet floors.

Get the most out of your machines with Lägler® abrasives!

SINGLE sanding discs and sanding grids are available in the following grit sizes:

SINGLE Ø 410 mm	16	24		40		60	80	100	120			
SINGLE Ø 410 mm Sanding screen						60	80	100	120	150	180	220

 Zircon

 Silicon carbide (Sanding disk)

 Silicon carbide (Sanding screen)