

# Lägler®

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# HUMMEL®

Belt sanding machine



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## Application

The sophisticated and durable technology for perfect sanding along with its enormous performance quality makes the HUMMEL® the undisputed number one machine for sanding wooden floors. It enables perfect and economical sanding of both small and large surfaces.

## Technical data\*

<b>Motor:</b>	single-phase alternating current with no-voltage release
<b>Voltage / frequency:</b>	230 V / 50 Hz (CPS)
<b>Motor power:</b>	2,2 kW
<b>Necessary fuse protection of the mains supply:</b>	at least 16 A
<b>Speed of sanding drum:</b>	approx. 2400 1/min
<b>Width of sanding drum:</b>	200 mm (approx. 7.9")
<b>Dimension of sanding belt:</b>	200 x 750 mm (approx. 7.9" x 29.5")
<b>Overall weight of machine:</b>	79 kg (approx. 174 lbs)

## Particularities

- ✓ Smooth running and high sanding rate
- ✓ High extraction capacity and thus lowest dust level
- ✓ Operator and maintenance friendly
- ✓ Ergonomic paddle lever to lift the sanding drum
- ✓ Quick sanding belt change
- ✓ Sanding drum pressure adjustable stepwise
- ✓ Thermal overload protection of the motor
- ✓ Robust Housing
- ✓ Integrated bracket for transportation



\*) The HUMMEL® is available on request in other versions (depending on the power supply in your country and the area of application).

## Scope of delivery

- ✓ **Tool bag** – with the necessary tools.
- ✓ **Dust bag** – its generous volume allows to collect a large amount of dust.
- ✓ **Extension cable** – with a cable cross-section of 3 x 2.5 mm<sup>2</sup> and a cable length of 10 meters.
- ✓ **Cable support with rubber ring** – always keeps the extension cable out of the working area of the machine.
- ✓ **Respiratory mask** – for dust protection, also from carcinogenic dusts.
- ✓ **MultiClip** – it additionally seals the dust bag during sanding.
- ✓ **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.





## Accessories

Suitable accessories facilitate your daily work and extend the range of applications of the HUMMEL®!  
Discover the numerous possibilities!

### Paddle System

The ergonomic paddle lever together with an adjustable quick lift plate and a larger ball-head ensure a completely new sanding experience. This system now also allows secure fixing and significantly faster separation of the upper and lower parts of the rod.

It is possible to retrofit machines built after 1990 with either the entire system or the paddle lever, only.

Since 2020, the HUMMEL® has been supplied with the new paddle system as standard.



### LED Work Light

With the robust LED work light problems due to poor lighting conditions belong to the past. The assembly and disassembly of the LED work light is extremely quick and easy.

No external power supply is needed to run the LED work light. Power is supplied via an easy to open plug connection on the machine.

Since 2020, the HUMMEL® is optionally available with or without LED work light.



#### Technical data:

- Power: 30 Watt
- Luminous flux: 3.480 lm
- Number of LEDs: 32 pieces
- Pivot range of the lighting unit: 70°

## Red Sanding Drum

The levelling of softwood floors (e.g. spruce, pine, and fir) with many knots can be a challenge.

Due to the hard rubber coating of this sanding drum such wooden floors can also be treated effectively with the HUMMEL®.

The convex shape of its rubber coating ensures both a particularly high abrasion rate during sanding and a smooth transition of the sanding paths. The sanding drum is therefore of central importance for a good and economical sanding result.

All drums are carefully processed, profiled and then precisely balanced in our factory. The resulting low-vibration concentricity ensures even abrasion and thus the highest sanding quality.



## Milling Drum IGEL

With the IGEL milling drum, the machine can also be used for particularly difficult renovations!

The use of this tool saves time, power, and abrasives!

Strongly recommended for renovations when it comes to removing stubborn coatings on wooden floors, such as old layers of paint, carpet and adhesive residues or levelling compounds.

Also ideal for the pre-treatment of cupped floorboards.





## Long Guide Tube

To make working as comfortable as possible for taller people, we also offer the option of retrofitting the machine with a long guide tube.

Due to the more upright working posture this leads to a noticeable work relief for the user!

## Trolley Transcart

The Transcart is used to transport the HUMMEL®. It protects the wheels and the sanding drum, especially on unpaved roads.

It can be quickly and easily attached to the sanding machine and is immediately ready for use.



## Carrying Handle

The carrying handle makes it easier to carry the HUMMEL® in pairs, especially over stairs and other obstacles. It is simply hooked onto the retaining bracket at the front of the machine housing.

## Extraction Adapter

Ideal for connecting to an external exhaust system whenever it is required or desired. The extraction adapter reduces dust emissions to a minimum during sanding work. It also impresses with its simple and quick assembly.

- reliable sealing via an O-ring
- quick mounting by means of clamping plate + knurled screws
- variable due to conical inner diameter of  $\varnothing$  55 - 58 mm
- base body made of aluminium







## Wooden Handles

Due to its untreated surface, the wooden handles provide a pleasant feeling while working.

The original plastic handles can be quickly and easily replaced with these beech wood handles.

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## Safety Belt

Areas such as upper body muscles, spine, and intervertebral discs are normally particularly stressed during sanding. By using the safety belt that is attached to the machine, these areas are noticeably relieved during work.

The belt has an integrated back padding. The waist size can be adjusted flexibly. If necessary, the belt can be quickly separated from the machine by a safety device.



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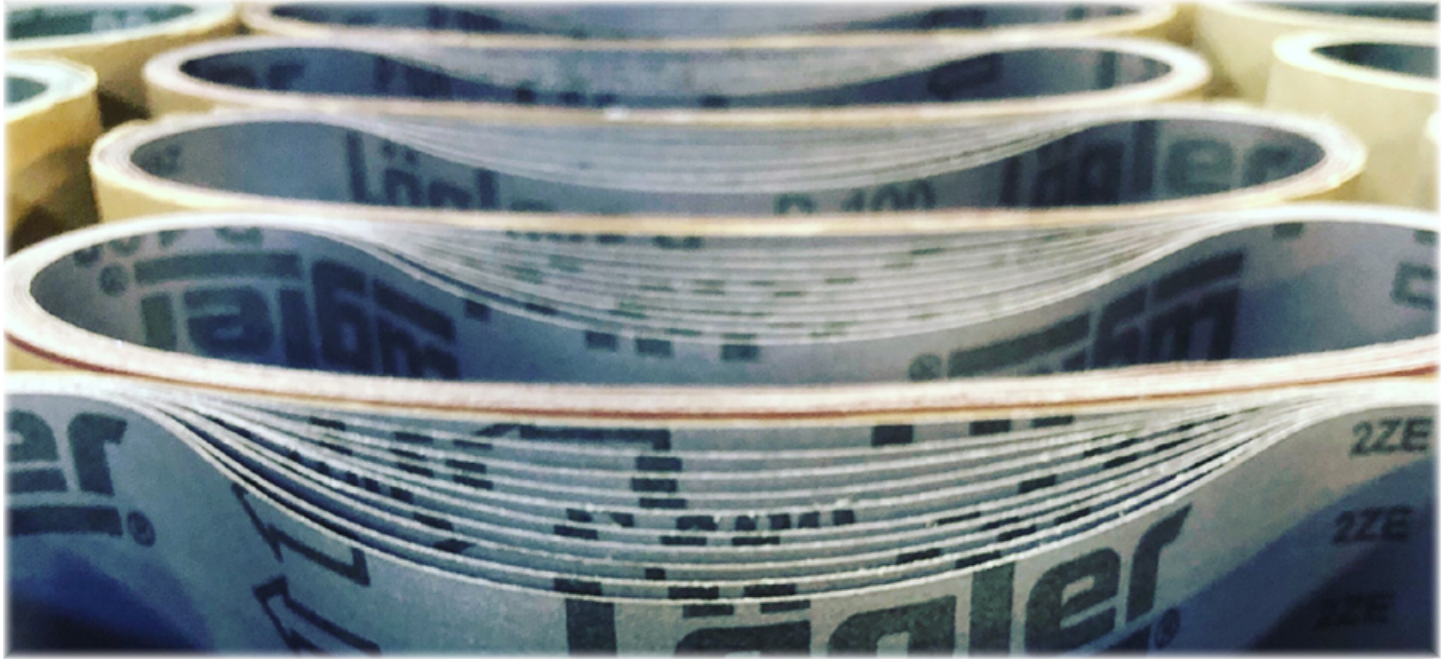
## Safety Switch PRCD-S

The PRCD-S detects all possible electrical faults and then prevents the machine from being switched on. Before switching on and during operation of the machine, the intact protective conductor functions are checked.

In addition, independent restarting of the machine, e.g. after rectification of a power failure, is prevented.



## Abrasives for the HUMMEL®




The Lägler® abrasives are optimally adjusted to the HUMMEL® and its wide range of applications.

The use of high-quality materials ensures maximum efficiency in the use of our sanding belts! The best results in the sanding pattern and abrasive durability are provided by butt-jointed sinus-splice (wave form) bonded with a special film. Due to this special type of closure, there is no grain-free area and the risk of belt breakage is minimized. This ensures the highest surface quality during sanding.

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

HUMMEL® abrasive belts are available in the following grit sizes:

HUMMEL® 200 x 750 mm	16	24	36	40	50	60	80	100	120
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 Aluminium oxide / Corundum

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