



## Be very careful when handling doctor blades



Take these precautionary measures to prevent injuries.  
Doctor blades are sharp by nature - regardless of whether they are new or used.  
Therefore, we recommend wearing personal protective equipment.

### Safety instructions

Wear cut-proof hand protection to protect your hands. The hand protection must fulfil cut protection class 5 in accordance with EN 388 or cut resistance "F" in accordance with EN ISO 13997.



### Packaging and removing the doctor blades

- **The packaging is only to be opened at the intended and marked location.**
- **Attention:** Opening the marked, perforated pull-out opening on the packaging may cause the end of a doctor blade to pop out.  
**Risk of injury. Always wear the prescribed protective equipment.**
- The opening of the packaging should face the person when stored so that the doctor blades can be removed easily.
- To remove the doctor blades easily, they are provided with system holes in the packaging and connected to each other.
- Have a pair of cutters ready to separate the removed doctor blade from the next one.
- The doctor blades are numbered in descending order so that it is always apparent how many doctor blades are available in the CLOUTH DOCTOR-BOX®.

**Make sure that the next doctor blade in the CLOUTH DOCTOR-BOX® protrudes over the edge of the box.**



### Handling

- Never grab the doctor blade, always take hold from the rivet side.
- Only change a doctor blade when the machine is at a standstill.
- When removing a doctor blade, only use suitable aids that are approved by the manufacturer.
- Before inserting new doctor blades, they must undergo a visual inspection for damage. Always make sure that the doctor blade is suitable for the respective type of holder.
- Never carry the doctor blade alone; have at least two persons carry the doctor blade, depending on the length. The doctor blade must always be inserted with at least two persons. Do not hit anything with the doctor blade.





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### Doctor blade wear limit



#### Dotted wear line at 10 mm

The doctor blade should only be used up to this mark.

If the wear has reached this line, the doctor blade should always be changed in a timely manner in order to maintain the optimal cleaning effect.

#### Solid wear line at 15 mm

The doctor blade must now be changed as the cleaning effect is heavily diminished.

### Proper use

The doctor blades are used to clean/doctor roller/cylinder surfaces in the paper and steel industry. They can also be used in other production machines where roller surfaces must be kept clean. The respective doctor blade is inserted into the intended blade holder. To fix in place and protect the blade from falling out of the blade holder, the doctor blade can be provided with shaped springs, ridges or rivets on the top and bottom.

The length of the doctor blade depends on the maximum roller/cylinder length to be cleaned and may have a length of 12 m, for example.

Safety on the on-site machine system is the operating company's responsibility.

### Delivery, storage and transport

- Check the delivery for completeness and external integrity using the delivery note. In the event of transport damage, contact us immediately.
- Make sure that the doctor blades are transported and stored in a location protected from the weather and damage.
- Avoid winding up of the doctor blades. Use extreme caution when winding or unwinding the doctor blades. When the windings slip apart, enormous forces are released depending on the type and thickness of the material. The coating blades may not be rolled up below a diameter of 40 cm and the doctor blades below a diameter of 75 cm.

### Installation

The doctor blades are assembled by persons who have been explicitly commissioned to do so, are authorised and have received the corresponding training/instruction. The operating company is responsible for defining how much support is required from the manufacturer during installation.

### Maintenance and cleaning

- The doctor blades and holder must be cleaned regularly and included in the maintenance plan.
- Clean the doctor blade guide of the blade holder thoroughly with compressed air or water.

### Disposal

Used/worn doctor blades must be disposed of properly in the intended container in accordance with the valid provisions/laws.