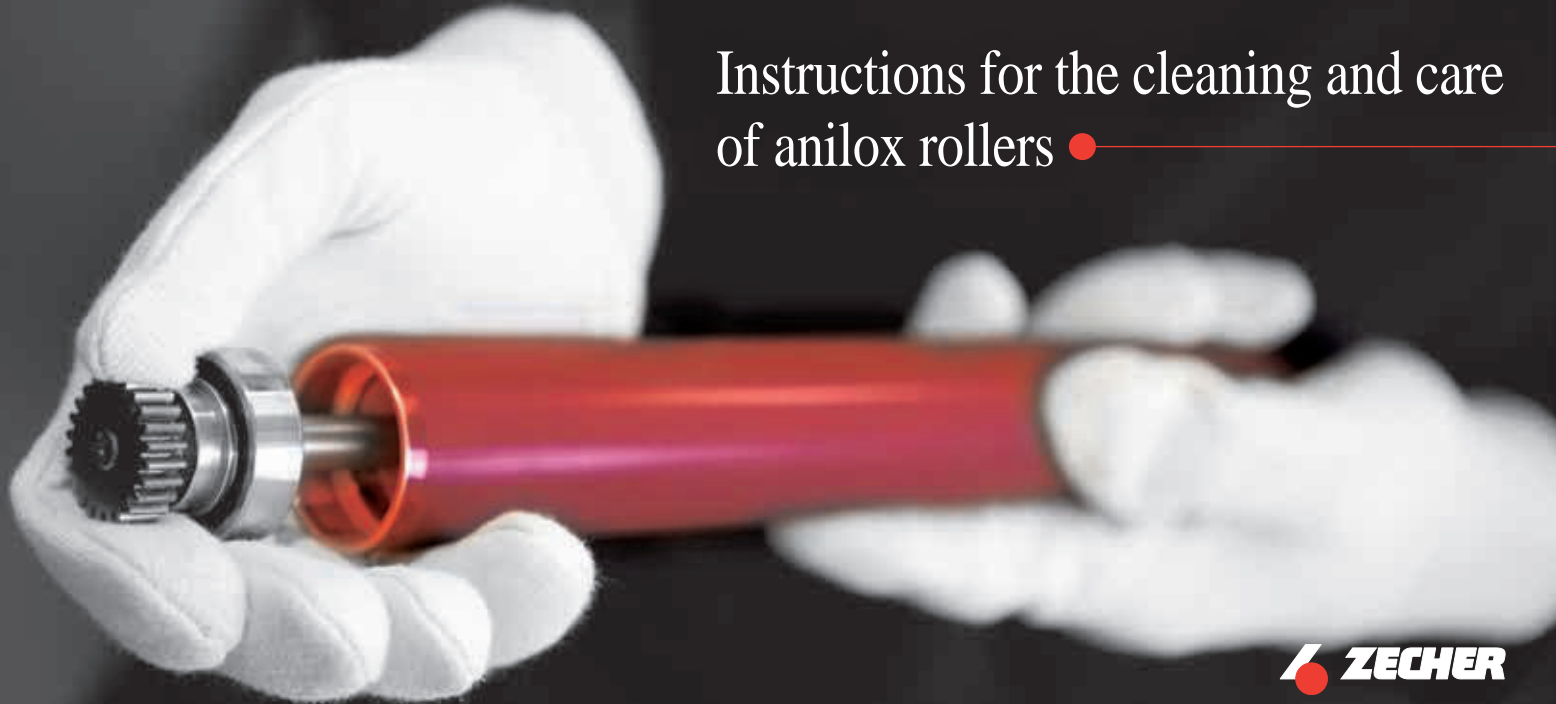


Instructions for the cleaning and care of anilox rollers ●



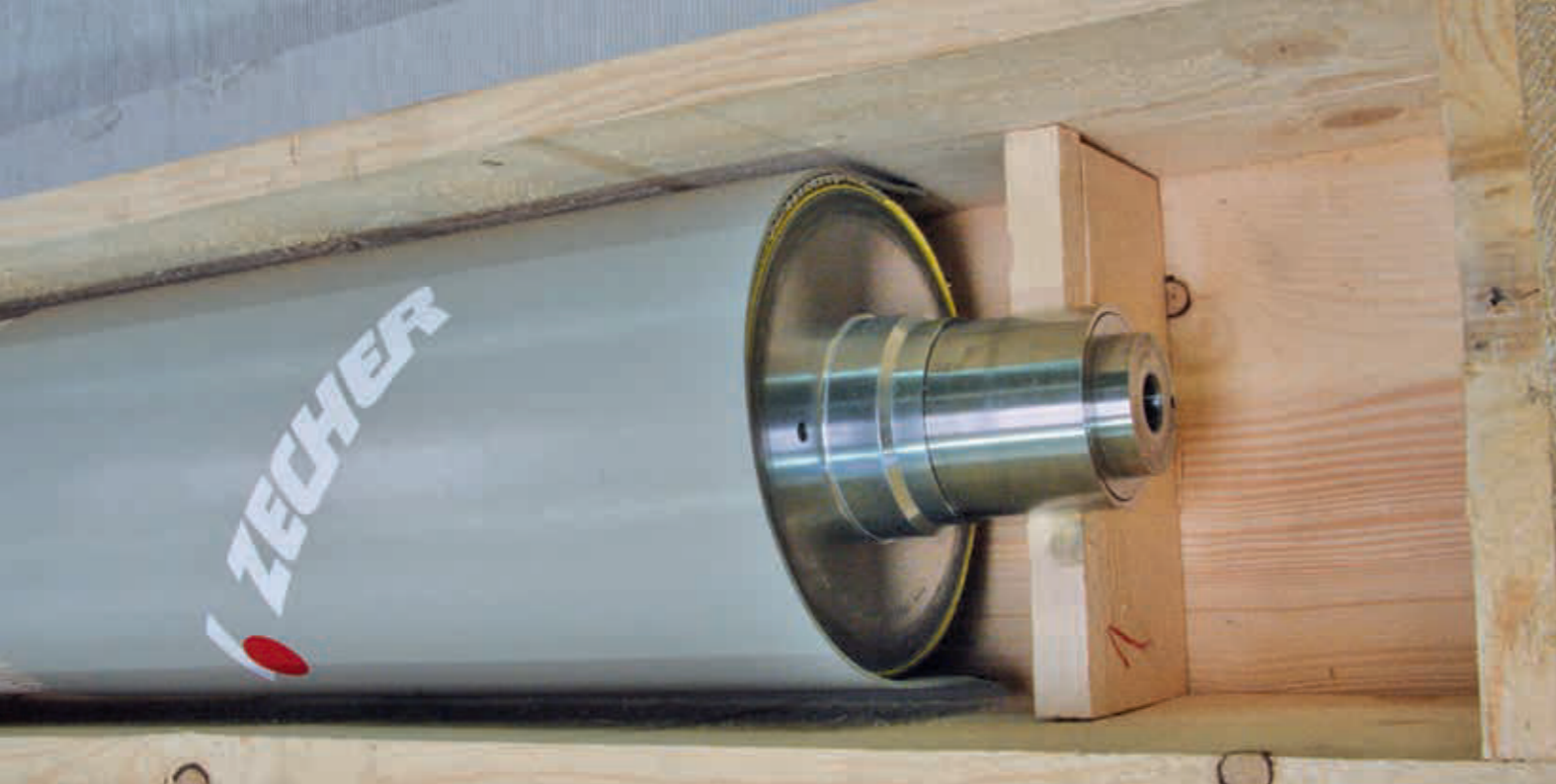


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General wear-prevention instructions

- The anilox roller is designed to be used for specific media transfer in a printing or coating machine. The product is not intended for any other purpose.
- Please check in advance (by contacting the manufacturer if necessary) for compatibility with acid or alkaline printing and coating media.
- The anilox roller must be securely placed in a robust wooden crate for transport in order to prevent physical damage.
- The surface of the anilox roller should be protected using special sleeves and/or mats supplied by ZECHER.
- Special care should be taken with the in-house transport of unpacked anilox rollers on their journeys between the storage area and the printing machine.
- Bearings must only be fitted and removed by suitably trained personnel.
- The surface of the roller must be kept free of oil and grease whenever work is taking place. Wear clean gloves and check the packing materials for cleanliness.





Storage instructions •

- The anilox roller must be kept in a dry, dust-protected place when not in use.
- Avoid wide fluctuations of temperature (+/- 15°C /60°F).
- If the anilox roller is stored horizontally, its surface must be protected using special sleeves and/or mats supplied by ZECHEER.
- If it is stored in a vertical position, we recommend adding a support to prevent it from tipping over.
- You should preferably use special ZECHEER sleeves and protective mats, and a wooden crate with movement prevention, to avoid physical damage to the surface of the anilox roller.





Handling •

Onsite transport

- Before raising the roller, ensure that the lifting gear is of sufficient load-bearing capacity. The health-and-safety aspects of load-lifting and transport should also be taken into account.
- When transporting the roller, keep it as horizontally levelled as possible to prevent it from slipping out of its lifting slings.
- We recommend the use of anilox roller protection mats or sleeves. Take steps to prevent the roller from slipping out of the sleeve/mat.

Installation and removal of the roller

- Installation and removal must only be carried out by suitably trained specialists. Please be sure to follow the operating instructions (including the safety information) when doing so.
- We can accept no liability for defective installation/removal of the anilox roller, or for incorrect assembly/dismantling.

- The surface of the anilox roller is absolutely vital to the printing/coating process, so it must not be damaged during installation or removal.
- Please note that certain processes may leave residues (liquids, etc.) on the roller. Take careful note of the safety data sheets and hazardous-substance instructions supplied with your operating materials.





Cleaning and care •

- Rollers must be cleaned immediately whenever a production run is interrupted, and at the end of each print job.
- Dried-on flexographic inks can only be removed with intensive deep-action (and normally corrosive) chemicals.
- Avoid all mechanical cleaning methods (such as particle blasting and brushing) wherever possible, so as not to damage the delicate micro-structure of the anilox roller's surface.

- Cleaning products must be matched to the inking system used.
- Always be sure to follow the recommendations of the manufacturer/ supplier (see data sheet).

Follow these basic guidelines:

- Do not use strong, acid-based (<pH 5) cleaning products on steel rollers.
- Do not use strong, alkaline-based (>pH 11) cleaning products on aluminum rollers, as they are likely to cause corrosion damage to the underlying structure.

- Use cleaning sponges supplied by ZECHER, which are specifically designed for routine day-to-day cleaning with lineatures of > 280 l/cm.
- After each cleaning operation, rinse the surface thoroughly with fresh water free of detergent residues.
- In order to prevent dripping water interfering with the following process, dry the roller with a soft, clean, absorbent cloth.





(1) Interim cleaning with a sponge

- Use a ZECHER micro-pore sponge for fast and efficient interim cleaning between print jobs.
- Note that wiping down with a sponge does not replace automatic machine cleaning or the use of a suitable external cleaning device.

(2) Daily cleaning in the printing machine

- A dry run with the use of a blade chamber can lead to scoring and other mechanical damage.

(3) Intensive cleaning outside the machine

- If wiping with a sponge or routine cleaning inside the printing machine proves insufficient, the following cleaning procedures should be applied: ultrasonic, Flexowash.

Did you know that ZECHER offers its customers a professional deep-cleaning service that includes an appraisal of the roller's current condition? For further information, please contact our sales team!

- Use only recommended cleaning products. (Follow the manufacturer's recommendations)

- Remove add-on components/bearings before cleaning.
- When cleaning in a mechanical washer, position the roller in the cleaning machine so that its pivots rest on the machine's conveyor rollers.
- Verify the results and record them in a cleaning schedule.
- Carefully follow the instructions contained in this manual when subsequently transporting the roller in-house.





Transport •

Receipt of shipments from ZECHER

- ZECHER anilox rollers and accessories are carefully inspected to ensure that they are free of damage before being handed over to the carrier for onward transport.
- Check the shipment immediately after delivery for signs of damage in transit.
- If you do detect any damage, record the details in the delivery note.

- The defective item must be left in its packing material, exactly as it was delivered by the carrier, until it can be inspected.
- Concealed damage must be reported to the carrier within ten days of delivery.
- Copies of all accompanying documents (packing slips, transport documents/waybills (CMR), invoices, explanatory photos, etc.) must be sent in along with the damage report.

Dispatch to ZECHER

- The anilox roller must not slide around during transport. It must be securely packed in a suitable container or wooden crate.
- Ensure that its surfaces are covered with special protective sleeves and/or mats supplied by ZECHER.
- Select screws and/or nails of a length not likely to penetrate the interior of the crate.

