POLYWEST
SLEEVE SYSTEMS

PRODUCT NOTES

Handling, Care and Storage Instructions for Sleeves and Adapters

Dear Sir or Madam,

POLYWEST products are high-quality technical products. The following instructions guarantees very good printing results of the sleeves and adapters over a long period of time.

RECEIPT OF A DELIVERY

- Please check the transport packaging for damage immediately upon receipt of a delivery!
- Visible damage to the packaging has to be documented on the delivery note and reported to POLYWEST by e-mail within 24 hours after delivery. Please enclose photos showing the damage of the transport packaging and if applicable of the product.
- Please avoid opening the transport packaging with a boxcutter. The outer foil and paper wrapping of the individual sleeves and adapters should not be opened with a boxcutter either, as this can lead to damages of the surface of the sleeve or adapter.
- The inspection of delivered sleeves and adapters for damages and flawless function must be carried out within 3 working days after delivery.

MAINTENANCE

- Avoid cutting on the sleeve with a boxcutter as this may lead to deformation of the surface. Helpful here are our products Cutmaster and Rolling-Knife.
- The drying of printing inks especially on the softcoat surface can negatively affect the printing quality. We recommend a complete taping of the surface in areas which are not covered with the printing plate. After finishing printing, please remove the tape immediately.
- The sleeves should not be exposed to high temperatures, e.g. when taking of the clichés with a hot air blower or heat radiator. This can lead to an uncontrolled partial change of the geometry.
- The sleeve surface can be cleaned with a solvent-based cloth. We recommend the use of diluted cleaning agents such as ethanol or isopropanol, depending on the ink system used. We strongly advise against a soaking procedure. Excess cleaning agent should be removed with a dry cloth. Before the sleeve can be taped again the sleeve surface should be allowed to evaporate for approx. 30 minutes.

HANDLING

- Please notice the following points to ensure perfect functioning for the combination of the air mandrel, adapter and sleeves.
- In order to enable the trouble-free mounting and removal of sleeves and adapters on the air mandrel they require a temperature of 20 - 30 ° C.
- Before slipping the sleeves and adapters onto an air mandrel please always check both front sides and edges against damages, burrs and abrasions to avoid damages of the sleeve and adapter inner side.
- The sleeves have to be pushed with little force after the first row of radial air outlet holes is covered. If this is not the case do not shove the sleeve with force nor pitch them with a hammer. For a smooth installation a sufficient amount of air is required which must flow freely (please see information on the back).

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COMMON CAUSES OF ERRORS

- Please make sure that the air supply tube to the cylinder is not kinked or leaking. Too long air supply tubes or reductions of the air supply tube diameter could also reduce the air flow.
- Please check the fitting of the tube at the air mandrel. Leaks in this field could lead to a reduction in the air flow rate as well.
- Please check the air outlet holes on the air mandrel. These holes may have dirt, rust, etc. which can lead to a reduction in air flow, too.
- If you have checked all the above points and still cannot push the adapter or sleeve on the air mandrel when please consider the following additional notes.
- The air mandrel should be conformity to the standardization recommendation of the 2006 DFTA.
- The following checklist will allow you to check the air supply to the air mandrel in the mounting department and in the printing press:

Checkliste	Specifite by DFTA Norm 2006	Actual
What is the air pressure on the cylinder? Measured with free outflow of air = dynamic measurement	at least 6 - 8 bar	
Amount of air measured between air connection and air mandrel (dynamic measurement)?	at least 12 l per second or 720 l per min.	
What is the inner diameter of your air supply tube at the narrowest point?	> 8 mm	
Are other air consumers fed by the same air line?	no	
What is the outer diameter of the air mandrel?	diameter according to STORK specifications tolerance 0 to +0.015 mm	
How many radial air outlet holes does the cylinder have on the operating side?	diameter ≤ 121,074 mm = 4 holes diameter > 121,074 mm to 248,398 mm = 6 holes diameter > 248.398 mm = 8 holes	
What is the diameter of the axial air outlet holes on the cylinder surface?	Ø 2,0 mm	
At which position are the air holes measured from the operator side of the air mandrel?	10 - 12 mm distance from the beginning of the cylinder to the air holes (measured sealing surface without bevel)	
How many additional air outlet holes are on the cylinder (measured from the operator side / except the previously mentioned radial holes)?	• cylinder width ≤ 1,000 mm 2 holes Ø 1.2 mm at the cylinder center 180 ° reversed • cylinder width 1,000 to 1,500 mm 1 hole Ø 1.2 mm at 500 mm and another hole at 1,000 mm 180 ° reversed • cylinder width > 1,500 mm 1 hole Ø 1,2 mm at 500 mm; 1 hole Ø 1,2 mm at 1000 mm 180°; 1 hole Ø 1,2 mm at 1500 mm at 0° measured for user side	

STORAGE

- Storage at hot or cold temperatures as well as high humidity may negatively affect the lifetime of sleeves and adapters. It is recommended to store them at 15° to 30°C and at a humidity of 40 - 70 %.
- Sleeves and adapters should be stored upright and secured against falling over!
- Sleeves should not be stacked on top of each other. For safe storage we recommend appropriate storage systems.
- Sleeves mounted on an air mandrel have to be stored freely. Weight or pressure which is exerted on the sleeve itself can have a negative effect on concentricity.

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