THANK YOU FOR BUYING TECH SLEEVES®!
This user manual illustrates how to use and care for your sleeves. Read the document carefully to get the best possible performance from your Tech Sleeves. Do not hesitate to contact us, for any additional question.

GETTING STARTED

1 OPEN THE BOX
Open the sleeve box and take the sleeves out.

2 UNPACK THE SLEEVES
Remove the corrugated paperboard with care.

3 INSPECTION
Inspect the sleeves carefully to identify if any damage has been caused during the transportation.

4 WAIT FOR 24 HOURS
Allow the sleeves to rest for 24 hours after unpacking. This will help the sleeve to adapt to the temperature in the factory in order to ensure a perfect fit.
HOW TO STORE SLEEVES?

1. **STORE THE SLEEVES STANDING UPRIGHT**
   Do not lay the sleeves horizontally, as this could cause deformation of the sleeve over time. Store in an up-right position. Even if the sleeves are shipped horizontally in the boxes, store them vertically.

2. **STORE THE SLEEVES ON A FLOOR MAT**
   It prevents damage to the bottom of the sleeve.

3. **STORE AT A CONSISTENT TEMPERATURE AND HUMIDITY**
   Sleeves may age due to temperature fluctuations and/or humidity variations.

4. **ORGANIZED STORAGE**
   A neat and organized storage will increase your productivity and prevent possible damage.

For more information visit www.tech-sleeves.com.
HOW TO MOUNT SLEEVES?

1. **HANDLE THE SLEEVES WITH CARE**
   Dropping or mishandling a sleeve may damage it.

2. **DON’T MOUNT TAPE AND PLATES UNTIL THE SLEEVE IS DRY**
   After cleaning the sleeve, make sure it is completely dry before mounting tape and plates on it. Using a wet sleeve may cause the tape to not stick properly, resulting in sub-standard prints.

3. **DON’T FORCE THE SLEEVE**
   Forcing the sleeve on the mandrel can cause the sleeve to hit the alignment notch, damaging either the alignment pin or the sleeve.

4. **USE COMPRESSED DRY AIR (CDA)**
   CDA forms a cushion to mount and demount the sleeves smoothly from the mandrel or cylinder.

5. **WAIT 20 SECONDS**
   It takes approximately 20 seconds for the air between the sleeve and the mandrel to escape after mounting the sleeve. Waiting 20 seconds will ensure the sleeve is properly mounted on the mandrel or cylinder.
HOW TO DEMOUNT THE TAPE AND PLATE OFF THE SLEEVE?

1. SPREAD FORCE EQUALLY
   Spread equal force along the width of the plate or tape while demounting it.

2. DO NOT USE EXCESSIVE PRESSURE ON THE EDGES
   Avoid putting excessive pressure towards the edges. This may cause damage.

3. CLEAN THE SLEEVE
   Don’t let the ink stay on the sleeve for a long duration. Clean the sleeve immediately after usage and store it.

4. USE DEMOUNTER
   Using a Demounte is the most efficient and safe way of removing plates and tape from a sleeve.

For more information visit www.tech-sleeves.com.
HOW TO CLEAN THE SLEEVES?

1. CHEMICAL USE
   Any chemical commonly used in the flexographic industry can be used to clean the Tech Sleeves® as they have supreme chemical resistance.

2. DRYING
   Mounting tape and plate on a wet sleeve may lead to substandard prints as the tape may not stick properly. Therefore, allow the sleeves to dry after cleaning it.

3. CLEAN BEFORE AND AFTER USAGE
   Dust prevents proper adhesion of the tape. To avoid that the sleeve will stand with ink residue for a long duration, clean your sleeves immediately after use. This will increase the lifespan of your sleeve.
ACKNOWLEDGEMENT

This document, and all parts of this document including images, drawings and schematics, remain the sole property of Tech Sleeves® BV and may not be distributed, photocopied, photographed, copied digitally, or copied in any other way. All information described in this document is classified and may not be discussed or negotiated with third parties without the prior consent of Tech Sleeves® BV. The recipient(s) of this document is (are) aware of this confidentiality and agree to the above. Violating this acknowledgement may result in penalties decided by the Dutch law and/or the international corporate law.

WARRANTY

This Limited Warranty applies to physical goods, and only for physical goods, purchased from Tech Sleeves® BV.

This Limited Warranty covers any defects in material or workmanship under normal use during the Warranty Period. During the Warranty Period, Tech Sleeves® BV will repair or replace, at no charge, products or parts of a product that proves defective because of improper material or workmanship, under normal use and maintenance. This includes maintaining diameter tolerance of +/- 0.02 mm / .0008 inches and TIR <0.02mm / <.001 inches (measured on a carrier/cylinder with a TIR value of _< 0.005mm)

Tech Sleeves® BV provides a Warranty on all Physical Goods of 12 months from the date of shipment. Since, Tech Pro+® is a premium product, a unique Warranty of 36 months is provided. The Physical Goods will be repaired at no charge, using new or refurbished replacement materials.

A replacement Physical Good or part assumes the remaining warranty of the original Physical Good or 1 Year (12 Months) from the date of replacement or repair, whichever is longer. Any problems caused due to conditions, malfunctions or damage not resulting from defect in material or workmanship is not covered under this policy.

To claim warranty, you must first contact us to determine the problem and the most appropriate solution for you.

LIABILITY

Tech Sleeves® BV is not accountable for injuries sustained from using this document:
1. If the operator is not trained properly
2. Instructions in this manual are not followed as prescribed
3. Correct tools are not used
4. Proper personal protective equipment is not used or used incorrectly
5. Proper precautionary measures for the use of the stated chemicals are not taken.
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guarantee</td>
<td>12 months for all products and 36 months for Tech Pro + version</td>
</tr>
<tr>
<td>Tolerance</td>
<td>Tech Sleeves are guaranteed to have a tolerance on diameter of +/- 0.020 mm / &lt;.001 inches</td>
</tr>
<tr>
<td>Precision grinding</td>
<td>TIR &lt; 0.020 mm / .001 inches (measured on a carrier/cylinder with a TIR value ≤ 0.005 mm)</td>
</tr>
<tr>
<td>Outer surface</td>
<td>Smooth and polished</td>
</tr>
<tr>
<td>Mounting</td>
<td>On air cylinders with min. air-pressure of 6.5 bar. (12 liter/second)</td>
</tr>
<tr>
<td>Wall thickness</td>
<td>0.9 - 110 mm (thicker upon request) / 0.035 - 4.330 inches</td>
</tr>
<tr>
<td>Sleeve length</td>
<td>Max. length of 2100 mm for repeat sleeves / 82.677 inches</td>
</tr>
<tr>
<td>Repeat length</td>
<td>240-1500 mm / 9.449 - 59.055 inches</td>
</tr>
<tr>
<td>Register line</td>
<td>Standard 1x axial line included. Extra axial or vertical lines may be added</td>
</tr>
<tr>
<td>Register slot</td>
<td>As ordered by the customer</td>
</tr>
<tr>
<td>Temperature</td>
<td>Tech Sleeves and Bridges can handle a temperature of 60°C / 140°F</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Resistant against all solvents used in the flexographic industry for plate cleaning</td>
</tr>
<tr>
<td>Cleaning advice</td>
<td>Clean with ethyl alcohol mixed with max 15% ethyl acetate</td>
</tr>
<tr>
<td>Label</td>
<td>The dimensional specifications are shown on the label inside the Tech Sleeves®.</td>
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PRODUCT PORTFOLIO

SLEEVES AND BRIDGES

TECH SLEEVE® HARD

TECH BRIDGE® HARD

TECH SLEEVE® SOFT

TECH BRIDGE® SOFT
WORLDWIDE CUSTOMIZED SLEEVE SOLUTIONS
Tech Sleeves offers Bridge and Plate Sleeves for the global flexographic printing industry. We strive to enhance the printing quality and overall efficiency through a combination of experience and innovation.