rotec® Lightweight Sleeve

100% Quality with up to 40% reduction in weight

Rely on us.

FlintGroup
Flexographic Products
Market requirements
Market requirements

Increased demands on the printing industry…

• More frequent job changes on press
• Shorter press set-up times needed
• Run lengths for print jobs decline
• Demand for increased equipment efficiency

…also in terms of SHE (safety, health and environmental)

• Maximum weight limits for handling of sleeves
• Accident prevention
• ATEX 95 regulations
Market requirements

Need to be combined with

• Highest quality
• Increased productivity
• Lower print form costs

Therefore, innovative and customer oriented solutions are needed!
rotec® Lightweight Sleeve

Plate mounting sleeve for easy handling
Product Features

**Lightweight construction**
- Up to 40% weight reduction compared to rotec® Blue Light and other plate mounting sleeves on the market
- Latest development in the sector of polyurethane light foams

**“EndPlate” sleeve edge sealing**
- Long lasting protection of sleeve build-up against
  - Cleaning liquids
  - Ink residues
  - Humidity
- Protection of proven rotec® compressible glassfibre base
- Made of aluminium – for long service-life
Product Features

**Improved mounting characteristics**
- Less linear load during sleeve mounting process
- Long lasting protection of inner base

**Available with Ω-Surface Technology**
- Electrically conductive through inner base, top layer and “EndPlate“

**All well known extras are available**
- rotec® Register Ring, GPS chips & Easy-Reg options, scribe lines, etc.
## Overview: rotec® Lightweight Sleeve

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<tr>
<th><strong>Field of application</strong></th>
<th>Mid-web, Wide-web, Pre-Print</th>
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<tbody>
<tr>
<td><strong>Wall thickness</strong></td>
<td>19 mm to 125 mm (Special sizes available on request)</td>
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<tr>
<td><strong>Face length</strong></td>
<td>600 mm to 2,600 mm</td>
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<tr>
<td><strong>Specifications</strong></td>
<td>Outer diameter tolerance +/- 0.02 mm</td>
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<td></td>
<td>TIR (= total indicated runout) &lt; 0.025 mm (measured on air cylinder at TIR &lt;0.005 mm)</td>
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<tr>
<td><strong>Materials</strong></td>
<td>Extremely durable polyurethane top-layer (75 Shore D)</td>
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<td></td>
<td>Proven rotec® compressible glassfibre base</td>
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<td></td>
<td>Innovative, highly stressable polyurethane foam</td>
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<tr>
<td><strong>Adapters</strong></td>
<td>Can be combined with various types of adapter systems</td>
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<tr>
<td><strong>Plate &amp; Tape</strong></td>
<td>Suitable for all plate and tape types and thicknesses</td>
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<tr>
<td><strong>Handling</strong></td>
<td>Scratch- and solvent resistant (if handled correctly – see rotec® User’s Advice)</td>
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Field of Application
Field of Application

Highest performance – it’s always worth using a rotec® Lightweight Sleeve starting at a wall thickness of 19 mm!

- Mid-web, wide-web, pre-print
- High repeat steps without intermediate adapter
  - Reduced number of adapters required on press
  - Additional adapter step is not economical
- Fulfilment of safety requirements in terms of max. weight limits
Weight comparison Wide-Web

Weight (kg)

Air cylinder: 108.342 mm
Length: 1,300 mm

Blue Light

Lightweight

Repeat Size (mm)
Weight comparison Pre-Print

Air cylinder: 232.482 mm
Length: 2,500 mm

Weight (kg)

Repeat Size (mm)

Blue Light

Lightweight
Fast Facts
Fast Facts

• Comprehensive field testing for 2 years
  • International customer testing
  • Several million meters of printed jobs in daily business
  • Various printing speeds and repeat sizes
• 100% stable diameter and TIR tolerances
• 100% positive customer feedback

Result: Official market launch in February 2016
Rely on us.

Highest thermal resistance and dimensional stability at lower weight – without any compromise in our proven quality.
Where you can find us!

www.flintgrp.com

www.linkedin.com/company/flint-group

Flint Group @flinteresting

Suchen und finden Sie uns unter “Flint Group”

www.youtube.com/user/MyFlintGroup

Flint Group Flexo Toolbox App für iPhone und Android