

rotec® Sleeves and Adapters

rotec® Sleeves and Adapters

Overview

	rotec®														
	Blue Light Sleeve	Compressible Sleeve	Premium Sleeve	Label Sleeve	Lightweight Sleeve	Hybrid Sleeve	Bridge Adapter	Unifit Adapter	Airo Adapter	Atlas Adapter	H/C Bridge Adapter	H/C Unifit Adapter	H/C Airo Adapter	Base Sleeve	Offset Sleeve
Wall thickness (mm)	0.9–125	2.9–125	10–125	10–125	19–125	0.9–2.0	4.1–9.5	9.5–80	15.9 ² –125	15.9 ² –125	4.7–10.5	10.5–80	17.5 ² –125	1 ± 0.2	14.5 ³ –106
Increased dimensional stability			✓	✓		✓		✓	✓	✓		✓	✓		✓
Conductive version ¹	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	
Register Ring	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓

rotec® Sleeves

High quality sleeves for conventional plate mounting

- Easy and reliable handling for all plate types
- Tight tolerances (TIR < 0.025 mm)
- Proven rotec® interior design of synthetic resin and glassfibre compound
- High durability and stability



rotec® Blue Light Sleeve
Light and robust

The benchmark in conventional plate mounting

- Superior service life and outstanding durability
- Consistent and long-lasting mounting and clamping characteristics
- Available in XXL dimensions for wide web presses



rotec® Compressible Sleeve
Unique compressibility

Compressible surface for highest print quality

- Permanently highest volume compressibility
- Very efficient with hard tapes and long print runs
- Lowest dot gain



rotec® Premium Sleeve
Superior dimensional stability

High-quality printing for critical tolerance applications

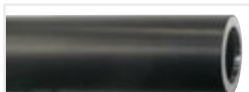
- Constant outer diameter at fluctuating temperatures or high air-humidity for a dependable register accuracy
- Long-lasting and consistent printing properties
- Perfect for high printing speeds



rotec® Label Sleeve
Optimum edge-stability

Specially developed for narrow web machines

- Consistent printing properties through high dimensional stability
- Constant and long-lasting parallelism of the sleeve
- Excellent results in label printing due to optimum edge-stability
- Perfect matched clamping properties for short working widths



rotec® Lightweight Sleeve
100% quality; up to 40% weight reduction

Plate mounting sleeve for easy handling

- Up to 40% weight reduction compared to other plate mounting sleeves on the market
- “EndPlate” sleeve edge sealing for long lasting protection
- Improved mounting characteristics



rotec® Hybrid Sleeve
Efficient and cost effective

Thin-walled fibreglass composite sleeve with low tolerances

- Particularly hard surface
- Long service life
- Quick availability
- Perfect solvent and ink resistance

¹ The regulations of ATEX 95 concerning electrostatic derivation ability are fulfilled

² Depending on thread type of air connection

³ Cylinder diameter: 92.426 mm; 152.905 mm; 111.252 mm

rotec® Adapters

Customer specific high performing adapters to reduce wall thickness of printing sleeves

- Quick set-up times, easy handling and cost saving
- Optimal air flow for easy mounting of sleeves



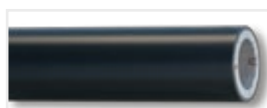
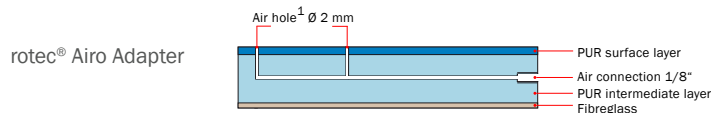
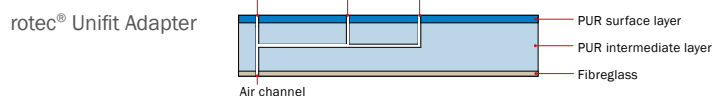
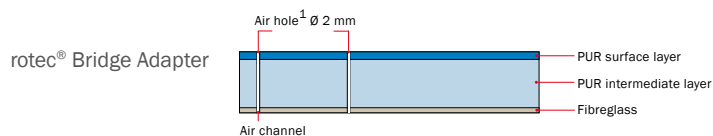
rotec® Adapter

The perfect fit for every cylinder configuration

Sophisticated air flow system and extremely low tolerances

- rotec® Bridge Adapter for wall thicknesses below 9.5 mm with pass through air connection, which conducts air from the air cylinder to the surface via air holes
- rotec® Unifit Adapter with dedicated air conduction system for almost all types of air cylinder as nearly independent of air hole pattern
- rotec® Airo Adapter with separate compressed air connection and dedicated air conduction system

- Suitable for conventional cylinder presses and quick change cantilevered machines



rotec® Atlas Adapter

Highest performance due to carbon-fibre structure

For outstanding printing results and high press speeds

- Low vibration and vibration-damping properties
- Efficient and reliable over long life time
- Durable fibre-free hard polyurethane surface – rework possible
- Available with customised air conduction system as rotec® Atlas Unifit and rotec® Atlas Airo Adapter



rotec® H/C Adapter

Compressible adapter to mount In-The-Round sleeves

For optimal print results – proven in combination with nyloflex® ITR Thin

- Exclusive compressible anti-slip surface for perfect mounting
- Consistent and long term printing performance especially for long print runs
- Available with customised air conduction system as rotec® H/C Bridge, Unifit and Airo Adapter

rotec® Sleeves for Special Applications



rotec® Base Sleeve

Extremely durable

Fibreglass sleeve for a large variety of coatings

- Optimal stability with low weight
- Robust and durable over long time period
- Rough surface with perfect bonding characteristics with coating material



rotec® Offset Sleeve

Unique durable construction

Offset Sleeve specially designed for web offset presses

- Allows extremely quick format changes for all repeat sizes
- Highest durability at high temperatures and torque forces
- Long-lasting and consistent register accuracy
- Perfect resistance to UV-inks and solvents

Upgrades for rotec® Sleeves

rotec® Omega Surface Technology

Reliable electrostatic conductivity

- Life time conductivity with a 10-year warranty
- Complete conductivity of the inner construction and sleeve surface
- Complies with BG information, status 11/2003, Order No. 452 and ATEX 95 (DEKRA certified)

rotec® Register Ring

Long lasting protection for almost all sleeves and adapters

- Avoids breaking of the notch and protects sleeve base
- Ensures a long service life of sleeves and adapters
- Made of high-grade stainless steel
- Available as inner ring and outer ring (for wall thicknesses > 4.3 mm)

¹ Air hole arrangement only shown schematically. Design depends on adapter width and diameter.

You are welcome to contact us for further information!

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