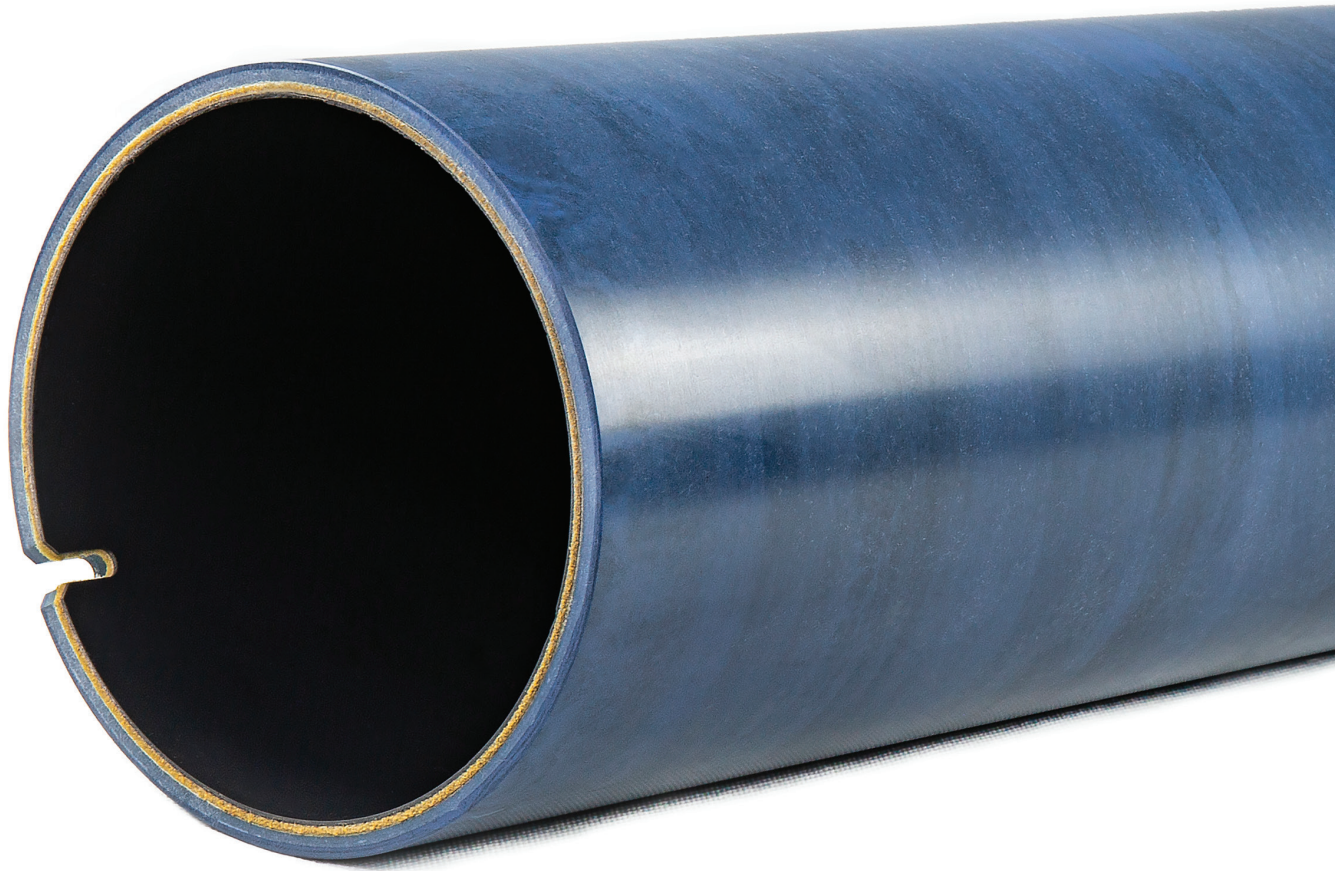




ANTISTATIC **rotoSLEEVE**

ROTOMETAL
we are for print

Safer printing

Using the latest technology, we manufacture our composite sleeves, each layer of which has properties that allow the discharge of loads. This coating has an excellent conductivity that has been tested and verified by an independent accredited body. All this means that our rotoSLEEVE ANTISTATIC sleeves are designed and recommended for working with solvent-based paints.

Facts

- ✓

Resistant to solvents: This material is capable of withstanding exposure to solvents, making it suitable for applications where resistance to chemical substances is crucial.
- ✓

Antistatic carbon coating: It features an antistatic carbon coating, which helps dissipate static electricity, reducing the risk of electrostatic discharge.
- ✓

Conductivity <10 Ohm approved by accredited institute: The material has a low electrical conductivity, measuring less than 10 Ohms, a characteristic certified by an accredited institute. This makes it suitable for applications where electrical conductivity needs to be controlled.
- ✓

Hardness 80-90 ShD, Working pressure 4-8 bar: The material has a hardness rating of 80-90 on the ShD scale, indicating its durability and resistance to wear. It can operate effectively within a working pressure range of 4-8 bar, making it suitable for applications in environments with varying pressures. Additionally, the assembly line for this material allows for locking in the axis or shifting by 90° or 180°, providing flexibility in manufacturing and assembly processes.

Advantages:

- Energy-saving material, option of different hardnesses for the outer layer.
- Highly abrasion-resistant, resistant to elevated temperatures and humidity
- High elasticity, vibration damping capacity, tensile strength, self-extinguishing and electro-insulating properties
- Simple design for easy installation on an air mandrel
- Durable inner core
- Significantly reduced weight means the machine is less stressed, which reduces the operational costs
- Lightweight sleeve cylinder is made for easy handling and problem-free mounting on the printing machine
- High print quality and accuracy

Technical information

Inner diameter	STORK list
Maximum printing repeat	1100 mm
Maximum width	1600 mm
Concentricity tolerance T.I.R	0.01 mm



Key features:

- Epoxy resin reinforced with glass fibers with a Shore D hardness of 80-90
- Polyester styrene resin-free reinforced fiberglass with hardness ShoreD 80-90
- Antistatic surface with carbon coating for excellent conductivity
- Suitable for solvent-based inks

Conductivity:

	Rotometal	Competitor
Conductivity	Surface & Volume	3 contact point

While some competitors utilize a grounding method that relies on three contact points to channel static electricity, this approach can be unreliable. If the sleeve doesn't perfectly align with the machine mandrel, these contact points may not function, leaving the sleeve unable to effectively distribute charges.

In contrast, Rotometal employs a superior solution: antistatic surface & volume technology with carbon particles. This approach ensures consistent conductivity across the entire sleeve surface, regardless of mandrel contact.

Comparison:

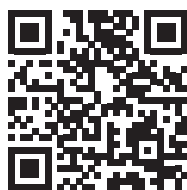
	Rotometal	Competitor
Min/Max Length	300 mm - 1600 mm (2200 mm in December 2023)	350 - 2850 mm
Thickness	1,9 - 70 [mm] // 0.075" - 2.756"	1,9 - 70 [mm] // 0.075" - 2.756"
Shore D	70-80; 80-90 (according to customer's needs and press type)	only 75 Shore D
Working pressure	4 - 10 bar	6 - 10 bar
Operating temperature	90 degrees max	40 degrees max
Standard reference guidelines	OUR STANDARD: 1 longitudinal corresponding to the register notch. OPTIONAL: as many as requested: single double, central, longitudinal, to the sides	1 longitudinal corresponding to the register notch - 1 circumferential in centre
T.I.R.	0.01 mm	< 0.02 mm



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