



15 DRYING CYLINDERS (CAN)

CE-Compliant Precision
Cylinders for Industrial Textile Drying

Dhara Drying Cylinders are engineered to deliver highly efficient, stable, and uniform drying performance in modern textile and technical fabric processing lines. Manufactured using advanced thin-wall construction techniques and stringent quality controls, these cylinders ensure excellent thermal efficiency, dimensional accuracy, and long operational life under continuous industrial duty.

Dhara stands among the select manufacturers in India capable of supplying CE-compliant drying cylinders, designed, manufactured, and tested in accordance with applicable European safety and pressure equipment requirements. This capability reflects Dhara's commitment to international standards, process safety, and global market readiness.

ENGINEERING ADVANTAGES

- » Precision thin-walled shell construction for optimized heat transfer
- » Uniform surface temperature across the full working width
- » Extremely low radial run-out for vibration-free operation
- » High-integrity welding executed under controlled procedures
- » Compatible with steam, thermal oil, and electric heating systems
- » Designed for continuous, high-speed industrial operation

TECHNICAL PARAMETERS

- » Working Width: 1600 – 3200 mm (customizable)
- » Machine Speed: 0 – 90 m/min (variable)
- » Operation Mode: Continuous, Bidirectional
- » Input Roll Diameter: Customizable as per requirement
- » Output Roll Diameter: Up to 1500 mm (or higher on request)
- » Fabric Type: Woven, Knitted, Processed, Technical Textiles

Designed for Precision. Built for Performance. Engineered for Reliability.

Technical Specifications — Drying Cylinders

Parameter	Specification
Annual Manufacturing Capacity	Up to 2000 cylinders
Cylinder Diameter Range	400 mm – 800 mm
Working Width Range	1000 mm – 4000 mm
Hydraulic Test Pressure	3 Bar – 12 Bar
Shell Thickness	2 mm – 4 mm
Surface Finish	SS 304 / SS 316, Polished or Teflon Coated
Compliance	CE-compliant design and testing (as applicable)

Typical Applications

- » Textile drying ranges
- » Sizing and coating machines
- » Nonwoven production systems
- » Technical and industrial fabric processing lines

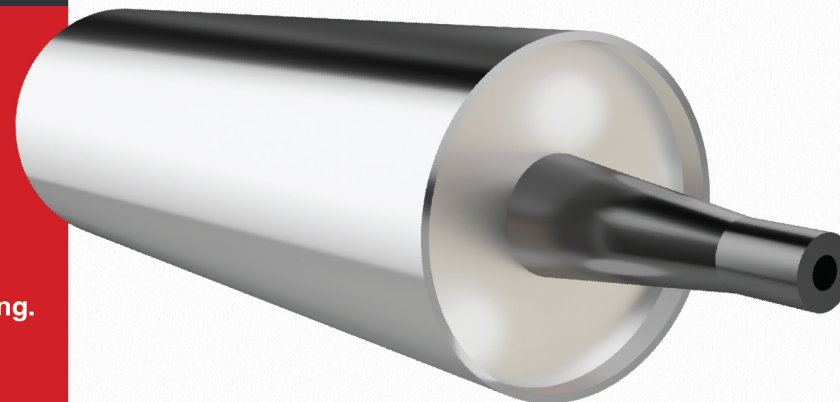
Quality Assurance

Each Dhara Drying Cylinder undergoes controlled fabrication, pressure testing, and dimensional inspection to ensure mechanical integrity, operational safety, and long-term reliability.

Dhara — Precision-Engineered Cylinders for Global Textile Manufacturing.


Energy Efficiency Add-Ons (Optional)


- » Provision for advanced ceramic surface coating on drying cylinders to reduce radiant heat loss and improve effective heat transfer efficiency.
- » Option to supply high-density thermal insulation sheets for non-contact surfaces and cylinder end zones to minimize heat dissipation to the ambient environment.
- » Designed to reduce overall steam consumption by improving thermal retention and stabilizing surface temperature during continuous operation.
- » Supports energy optimization objectives in accordance with EU best-practice guidelines for industrial thermal processes.
- » Contributes to lower specific energy consumption (SEC) per unit of production, particularly in high-speed and long-duration drying applications.
- » Enhances process stability by maintaining uniform thermal conditions across the drying surface.
- » Reduces condensate losses and improves overall thermal system efficiency.
- » Supports compliance with energy-efficiency and sustainability requirements commonly referenced in European textile processing standards.






CONTACT

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