

Technical solutions - Helix

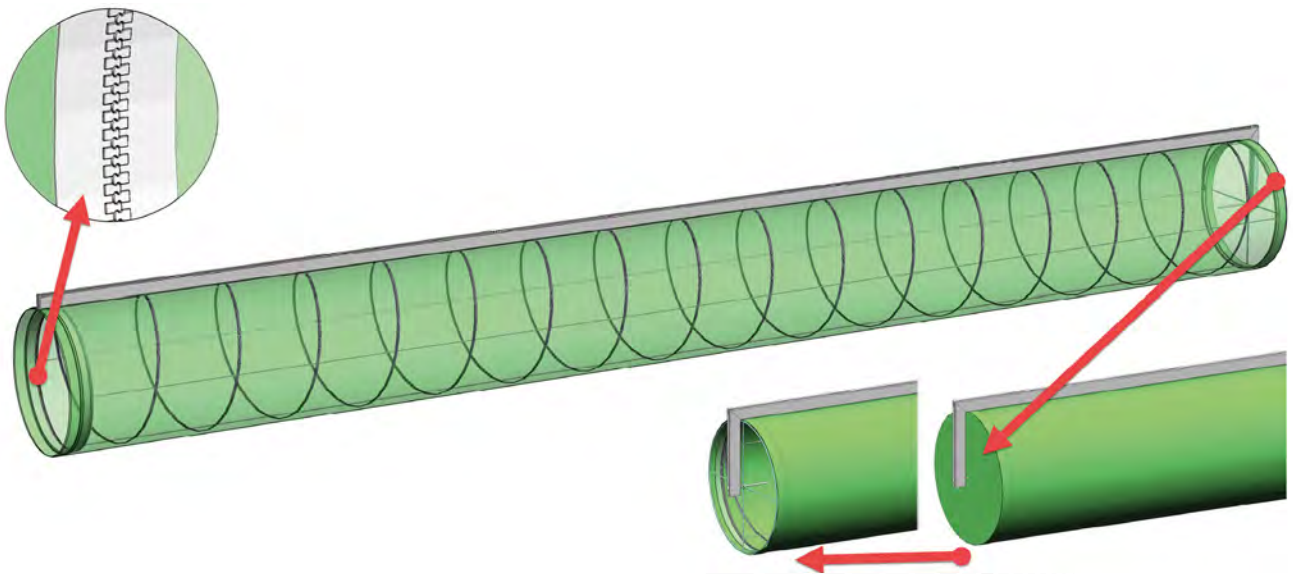


PROBLEM: Sagging diffuser and start-up shock

SOLUTION: Helix Tensioning System

Design

Fabric-encased metal spirals factory-installed inside diffusers maintain the full shape and provide primary tensioning to the fabric regardless of airflow. 16' long Helix sections are zipped into diffuser sections and can be easily removed for laundering. Helix sections can also be installed in elbows and fittings. In-track or end-cap tensioners provide secondary tensioning to ensure fabric remains tight regardless of airflow volume or pressure.



No field assembly - Helix sections are installed at the factory, eliminating field assembly

Technical specifications

- Available for 10"-48" diameter
- Section length - 16 ft
- Weight 0.4 - 0.7 lb/ft
- Internal zippered diffuser connections

Key Benefits

- Maintains full cylindrical shape even with zero airflow.
- No field assembly. Helix sections are factory installed.
- Easy removal and reinstallation for diffuser maintenance.



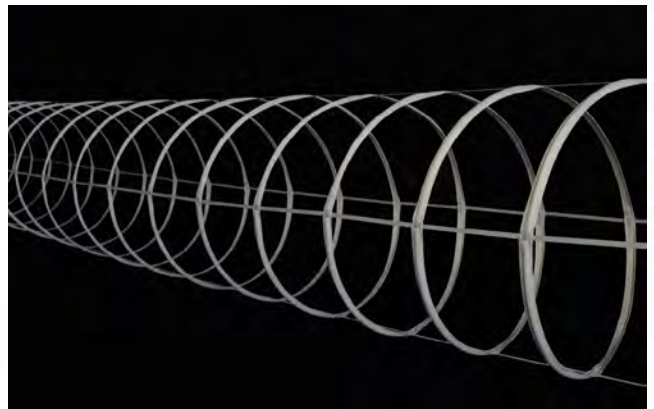
External view



Internal view



Helix supported elbow



Detachable Helix reinforcement section



Helix reinforcement + Prihoda Art