

NORDILOC X

THE ONLY VARIABLE CLOSE FIT SYSTEM



PROVIDING SOLUTIONS





CLOSE FIT REHABILITATION SOLUTIONS FOR GRAVITY PIPES

The Nordiloc X Spiral Lining System is a proven trenchless rehabilitation solution designed for the structural renewal of circular gravity sewer and stormwater pipelines ranging from DN150 to DN750. Using a unique spirally wound PVC-U profile, the system creates a tight-fitting, durable liner within existing pipes, without the need for excavation or flow interruption. Engineered for reliability and efficiency, Nordiloc X delivers long-term performance with minimal environmental and operational disruption.

With its expanding spiral profile and ability to be installed under live flow conditions, Nordiloc X offers unmatched versatility on site.

PRODUCT CHARACTERISTICS

In-situ Installation: The Nordiloc X system forms a new liner pipe within the existing host pipe by helically winding a continuous PVC-U profile strip. Installation is typically performed via existing access chambers, eliminating the need for excavation.

Adjustable Diameter: The winding machine is set to a smaller diameter to allow smooth insertion. As the profile is wound, it gradually forms a spiral pipe that conforms to the internal path of the host pipe.

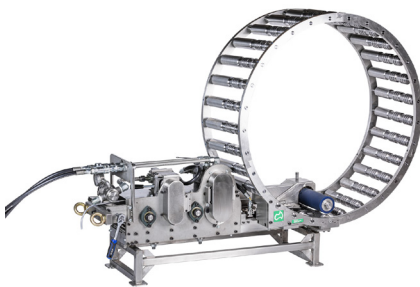
Flexible Navigation: The spiral design enables the liner to negotiate over displaced joints, minor bends, and accommodate localised damage within the host pipe.

Tight Fit Expansion: Once the full length of the pipe is wound, the spiral liner is expanded to form a tight fit against the internal surface of the host pipe, creating a strong mechanical bond.

Structural Renewal Without Digging: The result is a durable, new PVC-U pipe within the existing structure, providing long-term rehabilitation without excavation or major disruption.



Nordiloc X Profiles, E6 up to E14.



Nordiloc X drive tray, Including cage.



Nordiloc X Cages from DN150 to DN750.



THE ADVANTAGES AT A GLANCE

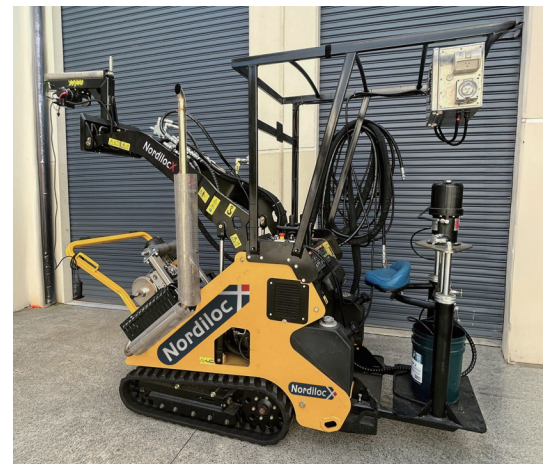
- Compact site setup with minimal disruption
- No thermal curing required – eliminates steam, hot water, or UV processes
- Installs effectively under infiltration conditions
- No need for flow management for flows <20%.
- Creates a tight-fitting, structural liner within the host pipe
- Low material waste – profile strips are recyclable
- Suitable for circular, non-pressure pipelines from DN150 to DN750

TECHNICAL SPECIFICATIONS

Nordiloc X linings are designed in accordance with key industry standards to deliver a structural solution with a minimum 50-year service life. Standards include:

- AS/NZS 2566.1-1998 – Buried Flexible Pipelines – Structural Design
- ASTM D1784-11 – PVC Compounds
- ASTM F1741-18 – Installation of Machine Spiral Wound (PVC) Liner Pipe for Rehabilitation of Existing Sewers & Conduits
- ASTM F1697-18 – PVC Profile Strip for Machine Spiral Wound Liner Pipe Rehabilitation of Existing Sewers & Conduits

Nordiloc X is available in a range of profile sizes to suit gravity pipe diameters from DN150 to DN750.



Nordiloc X Mobile Hydraulic Power Unit.



Manhole Installation.

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TECHNOLOGIES

PROVIDING SOLUTIONS



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