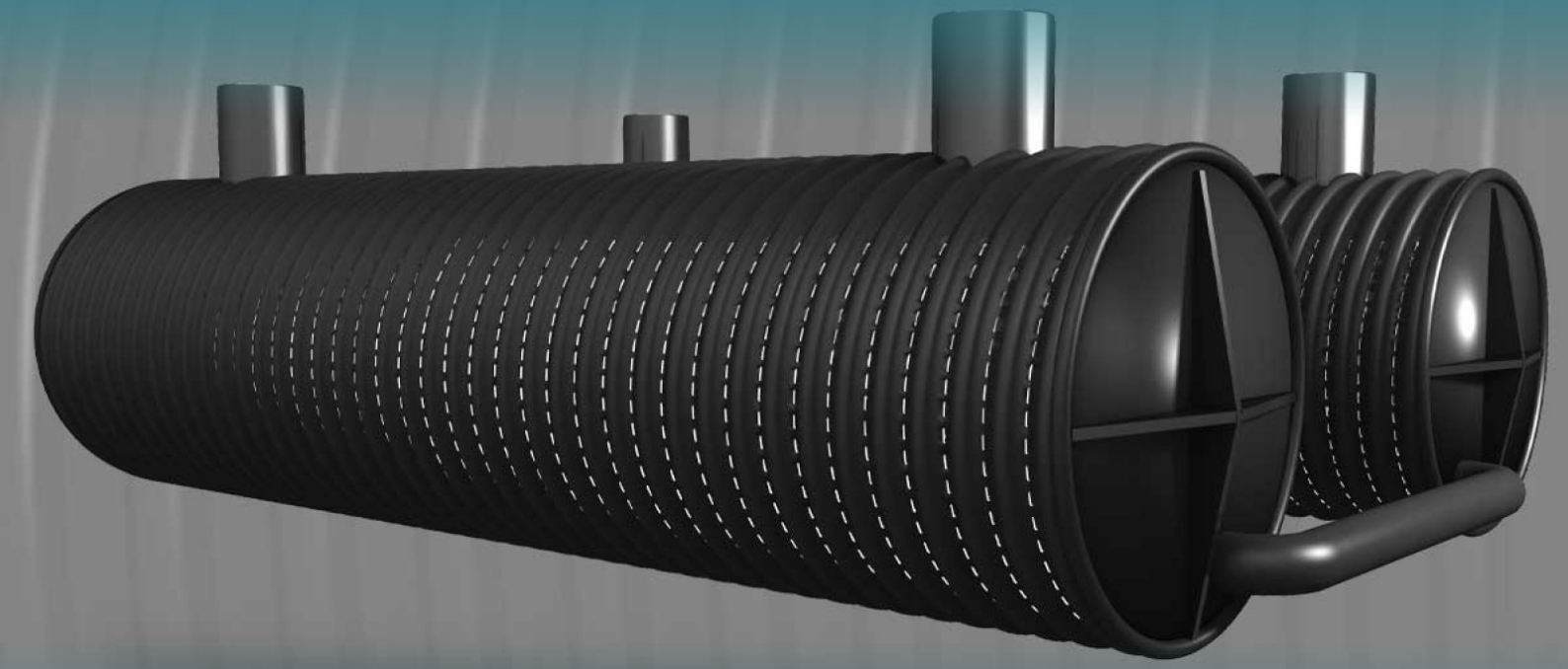
PALADERI
INNOVAZIONE COSTANTE



TECHNICAL DATA SHEET · PALASTORM

PALADRAIN drainage pipes

Slotted steel and polyethylene pipes that draw excess water from specific soil layers: ground consolidation, groundwater lowering, drainage of landslide masses.

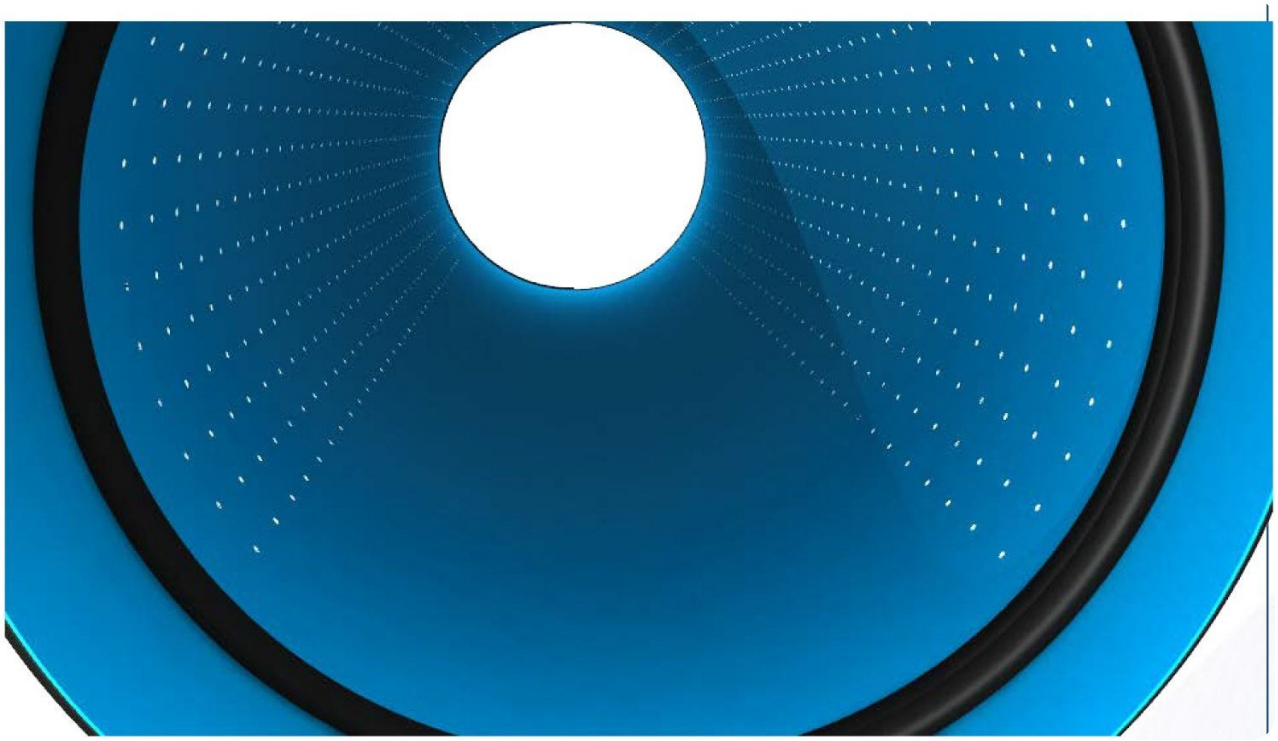
PERFORATIONS
in the groove between the steel windings

INSTALLATION
sub-horizontal in trenches or vertical in wells

Technical data

Material	**Galvanised steel and high-density polyethylene**
Perforations	**in the groove between the steel windings**
Installation	**sub-horizontal in trenches or vertical in wells**
Base pipe standard	**UNI 11434**

Application



Suitably slotted PALADEX pipes are used in drainage trenches and in systems for diverting or collecting water: wherever ground needs to be consolidated, the groundwater regime modified or water drained away from a landslide body.

The perforations are located in the groove between the steel coils: water enters the pipe without carrying soil with it, so the ground is consolidated. The water flows to a collection point in the case of sub-horizontal pipes, or into a well in the case of vertical pipes.

Sub-horizontal drains serve road, railway, airport, agricultural, building and public green-space works; vertical pipes form wells for domestic, agricultural or public use.

Frequently asked questions

How does a PALADRAIN drainage pipe work?

PALADRAIN is a PALADEX pipe in galvanised steel and polyethylene, compliant with UNI 11434, perforated in the groove between the steel spirals: water enters the pipe without carrying soil with it, so the ground is consolidated, and flows to a collection point, with sub-horizontal installation in a trench or vertical installation inside a well.

Over what sector of the circumference are PALADRAIN drainage pipes perforated?

PALADRAIN pipes are perforated over a 90°, 180° or 270° sector of the circumference, for use in drainage trenches or in groundwater dispersal and collection systems. For a DI 1200 pipe, the Paladeri table gives 64 holes at 90°, 128 holes at 180° and 192 holes at 270°.

What diameters are PALADRAIN drainage pipes available in?

The PALADRAIN perforation parameter table covers internal diameters from 400 to 2500 mm for 90° and 180° perforation, and from 400 to 2400 mm for 270° perforation. The base pipe is the PALADEX spiral-wound pipe in galvanised steel and polyethylene compliant with UNI 11434.

Where are PALADRAIN drainage pipes used?

Sub-horizontal PALADRAIN pipes drain road, railway, airport, agricultural, building and public green-space works, consolidate ground, lower the water table and draw water away from landslide masses; vertical ones form wells for domestic, agricultural or public use. In the catalogue diagram, a DN 2200 drainage pipeline is laid in granular material beneath a concrete load-distribution slab.

Indicative data, subject to change without notice. The Paladeri technical department is available for sizing and selecting the right solution.

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PALADRAIN drainage pipes on paladeri.eu

paladeri.eu/en/products/paladrain-drainage-pipes

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