

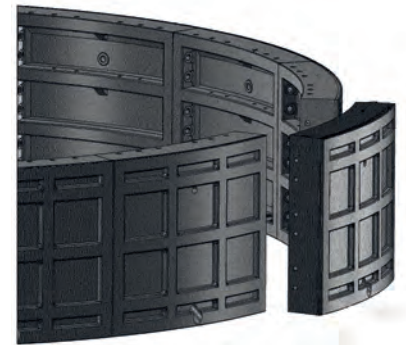
Tubing segment and method of its assembling

Description of the solution:

The object of the invention is a tubing segment comprising a ribbed outer plane and an inner plane with two horizontal flanges and two vertical flanges and method of its assembling.

Benefits of the solution:

- Increasing the tightness of the tubing lining and ensuring that this durability is maintained over the longest possible life of the excavation.
- The invention gets rid of the problem of leakage at the corners of the tubing and at the horizontal joints.
- An additional seal, which swells on contact with water, prevents water from entering the tunnel.
- The spatial arrangement of the additional gasket prevents water from collecting and possibly leaking at the gasket sheet interface and stops the leakage as early as possible without weakening the structure.
- Providing an additional seal on only one of the vertical and one of the horizontal sides of the tubing segment unexpectedly reduces leakages.
- Simplifying and speeding up the installation method (limiting the number of gaskets to only two of the four flanges of the tubing segment, which is important in terms of time constraints and labour efficiency).



Area of application:

Mining, Excavation industry.

Intellectual property:

Invention: PAT.245222

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