

Donut rotative foam filled fenders

This type of defense is specifically installed on:

- Dry dock entrances, an alternative solution to the fenders installed directly on the quay, the rotating "donut" type fenders are fitted to the pile.

They are made from a metal guide ring, sized to the diameter of the pile, and installed with rotation guidance by a HDPE pad.

- Corner protectors
- Rotating structures
- Port entrance pontoons
- Bridge protection

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Donut fenders move up and down along the pile depending on the tide. Therefore, the design must consider several cases in order to achieve the desired performance at all times.

Each of the variables listed below will have impact on the fender performances.

- Foam density
- Inside & outside diameter
- height

The most frequent diameters vary from 1270 to 4220 mm.

The fenders have a core of closed cell physically reticulated polyolefin foam, at a density proposed according to the level of energy to be dissipated.



The sprayed Nibraprène® ES 40D coating is produced without solvent, respectful of the environment, securing dimensional stability over time of the fenders while improving the resistance qualities. It is reinforced with high strength polyester fabrics, the dope-dyed color is defined by customer's requirements.

