

4 HYDRA® EXPANSION JOINTS FOR NUCLEAR STEAM LINES

Application

Flamanville 3 in France for steam – safety line in the 3rd safety barrier

Technical data

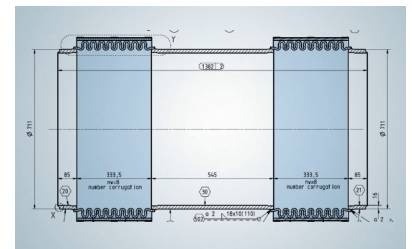
- 4 universal expansion joints; DN 700
- 1.4307 special material with chemical restrictions
- Temperature: –10 °C to 180 °C
- Nominal pressure (PN): 25 bar
- Max. operating pressure: 6 bar
- Acceptance by Framatome GmbH and EDF France

Special Features

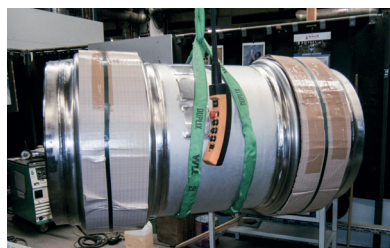
- External production monitoring of each work step (cutting, vertical seam welding, rounding of the cylinder, joining of the cylinder, shaping of the cylinder, etc. by Framatome and EDF with logs and approved test instructions, which were additionally created for this project
- Cleaning check with water treatment test (ferrite test), swab sampling test
- Packaging control



A moisture meter continuously monitors air humidity inside the packaging.



Safety plates protect the bellows from mechanical damage.



Prior to packing, the expansion joint will be cleaned with osmotic water.



Every box is fitted with a shock indicator. This allows tracking of external effects such as the box falling down during transport.