



# Rubber Expansion Joints

**FLEXIBLE PARTS TO ENSURE FLAWLESS OPERATION  
OF PIPELINE SYSTEMS.**



**CUSTOMISABLE**

- **VARIOUS DIMENSIONS CUSTOMISABLE**
- **WIDE RANGE OF PRODUCTS FOR ANY APPLICATION**
- **FOR HIGH PRESSURES UP TO 16 BAR**
- **TYPE APPROVAL BY VARIOUS CLASSIFICATION SOCIETIES**



Pipeline systems are exposed to temperature variations, chemicals, setting in foundations, forces, and deformations causing movement and/or stress in the system. To ensure flawless operation of the system it is necessary to insert flexible parts to absorb the moments preventing structural damage.

To provide the vibration isolation and flexibility necessary, Trelleborg offers excellent rubber expansion joints. Our portfolio consists of a wide program of expansion joints for various applications. The expansion joints are available with one or more approvals by certification authorities as DNV, Lloyd's Register, Bureau Veritas, and DNV-GL.

Our complete portfolio consists of standard expansion joints as well as our special customized expansion joints. Our rubber expansion joints are used worldwide for various applications like chemical pipelines, fuel pipelines and (cooling) water pipelines.

#### FUNCTIONALITIES

- Compensate movement and expansion
- Absorb stress in the system
- Reduce noise transmission and vibration
- Compensate ground and foundation settling
- Compensate inaccurate assembly
- Serve as dismantling joints on fittings

#### ADVANTAGES

- Suitable for high pressures up to 16 bar
- Most sizes available in different neutral lengths
- Also available for vacuum
- Flanges according to DIN or ASA
- Available with fire protection cover

#### APPLICATION EXAMPLES

- High-pressure pipelines
- Oil contaminated water pipelines
- Various chemical pipelines
- Cooling pipelines