



# Stainless Steel Expansion Joints

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



**CUSTOMISABLE**

- **VARIOUS DIMENSIONS CUSTOMISABLE**
- **WIDE RANGE OF PRODUCTS FOR ANY APPLICATION**
- **STOCK ITEM UP TO DN1200**
- **TYPE APPROVAL BY 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 excellent vibration isolation and flexibility to the pipeline system Trelleborg offers top of the line stainless steel expansion joints, the Balance series. With the Balance series, Trelleborg offers a complete program of expansion joints for various applications. The expansion joints are available with one or more approvals by certification authorities as ABS, Bureau Veritas, and DNN-GL.

Our complete portfolio consists of standard expansion joints as well as our special customized expansion joints. Balance series expansion joints are used worldwide for various applications like exhaust gas lines, low and high-pressure pipelines.

#### **FUNCTIONALITIES**

- Compensates movement and expansion
- Absorbs stress in the system
- Reduces noise transmission and vibration
- Compensates ground and foundation settling
- Compensates inaccurate assembly

#### **ADVANTAGES**

- Suitable for high pressures
- Also available for vacuum
- Flanges according to DIN86044 (customisable)

#### **APPLICATION EXAMPLES**

- Exhaust gas pipeline systems
- High-pressure pipelines (steam, liquids)
- Large heating pipeline systems



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