EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

KE-Flex expansion joints

Expansion Joints | Fabric expansion joints

Features

- Single layer design
- Compensates for movements in several directions simultaneously
- Can be delivered as fabric only or as preassembled drop in unit
- For dry and wet condition*
- Custom made to fit actual working conditions

* Depending on material selection

Functional description

KE-Flex expansion joints safely absorb thermal expansion, vibrations and misalignments in pipe and duct systems in low temperature areas. KE-Flex products compensate for movements in multiple directions simultaneously.

Advantages

- Highly flexible
- Minimal reaction forces
- Suitable for food processing*
- 100 % gas tightness*

* Depending on material selection

Operating range

Temperature:
-35 °C ... +300 °C (-30 °F ... +572 °F)
Pressure:
-0.25 bar ... 0.25 bar (-3.63 PSI ... 3.63 PSI)
Maximal axial movements: ... 200 mm (8")
Maximal lateral movements: ... 80 mm (3")

Standards and approvals

Documentation:

- EN 10204-2.2 certificate
- Safety Data Sheets (SDS) for individual materials

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Power plant technology
- Pulp and paper industry
- Food and beverage industry
- Sugar industry
- Air ducts
- Process lines
- Stack connections
- Coal mills
- Food processing lines

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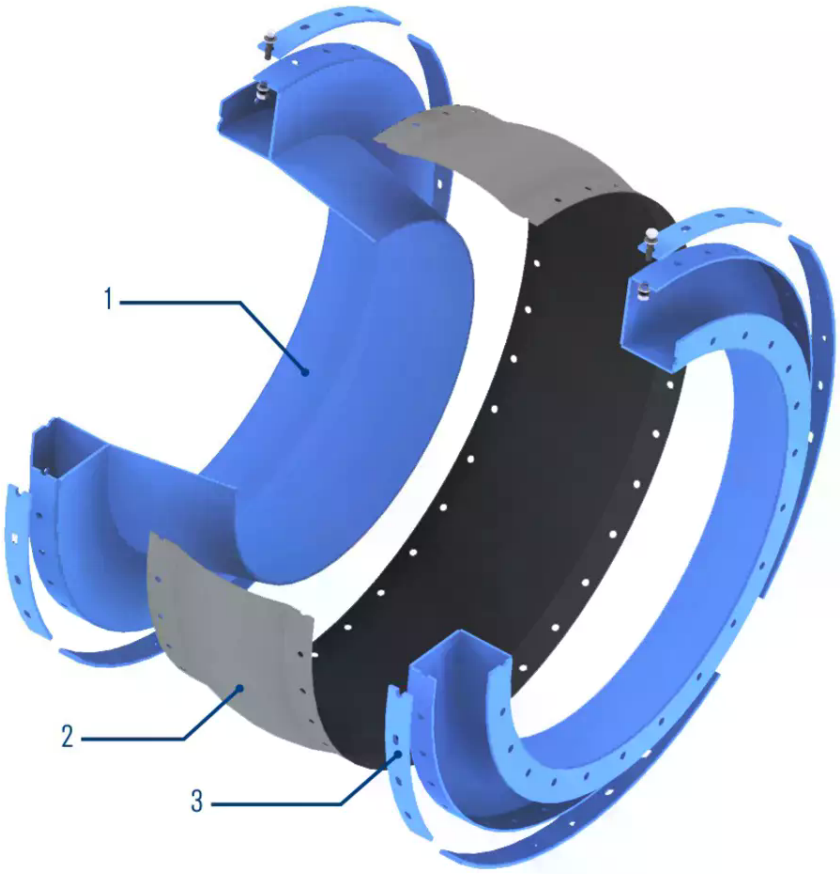
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.



Item	Description
1	Frames
2	Expansion joint
3	Clamp bar

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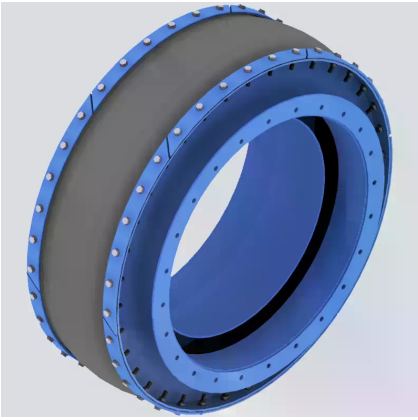
Product variants



Pre-assembled units
Pre-assembled expansion joint units consist of:

- Fabric expansion joint
- Metal frames / inner sleeves
- Bolster (internal insulation)
- Gaskets (optional)
- Fasteners

Frame material:

- Carbon steel
- Stainless steel
- Heat resistant steel

Pre-assembled expansion joint units can be supplied with surface treatment that is corrosion resistant (standard) and resistant to high temperatures. EagleBurgmann offers any RAL color code for the units. Units can be delivered with seaworthy packing or standard packing for road transportation.

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