EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

Acouseal expansion joint

Expansion Joints | Fabric expansion joints

Features

- Single layer design
- Designed for acoustic demanding environment in GT inlets
- Absorbs movements and vibrations in multiple directions
- 100 % gas tight connection
- Excellent and proven sound reducing properties

Functional description

Acouseal expansion joints safely absorb thermal expansion, vibrations and misalignments in sound sensitive pipe and duct systems. Acouseal expansion joints compensate for movements in multiple directions simultaneously.

Advantages

- Delivered pre-shaped at required dimensions
- Can upon request be delivered with pre punched holes for easy installation
- Proven sound reduction abilities
- Improved acoustic environment around GT inlet system
- Easy transportation and storage
- Self-sealing expansion joint (no gasket needed during installation)

Operating range

Temperature:
-35 °C ... +150 °C (-31 °F ... +302 °F)
Pressure:
-0.1 bar ... 0.1 bar (-1.45 PSI ... 1.45 PSI)
Maximal axial movement: ... 30 mm (1″)
Maximal lateral movement: ... 15 mm (1/2″)

Standards and approvals

- EN 10204-2.2 Certificate
- Safety Data Sheet (SDS) for base material

Recommended applications

- Oil and gas industry
- Power plant technology
- Gas turbine inlets
- Boiler outlets

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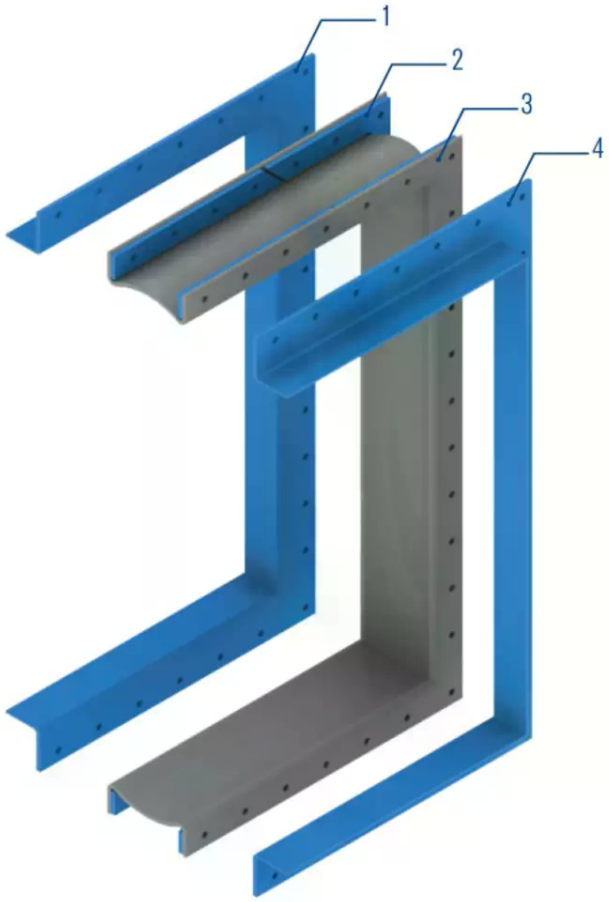
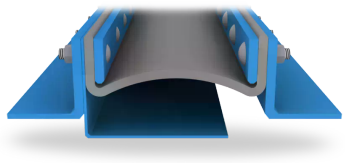
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



Item	Description
1, 4	Duct flange
2	Clamp bar
3	Expansion joint

Installation, details, options

V-Flanges with single sleeve
Temperature: ... 150 °C (302 °F)
For high flow velocity



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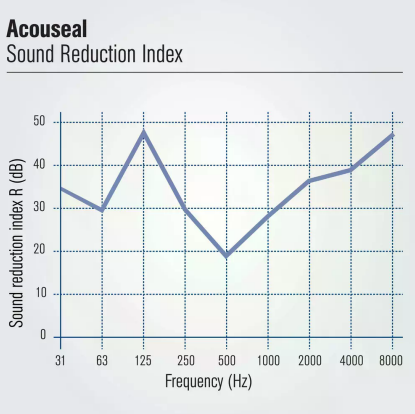
Product variants

Acouseal product properties

Type	Agressivemedia	Non-aggressivemedia	Max.temperatureV-Flange	Min.temperature	Max.pressure	Min.pressure	Axialflexibility	Lateralflexibility
150/8	Dry	Wet	150 °C(302 °F)	-35 °C(-31 °F)	0.1 bar(1.45 PSI)	-0.1 bar(-1.45 PSI)	20 %	10 %

Charts



Sound Reducion Index of Acouseal, ref no. 260 2 4004 DTI

1/1 octave center frequency (HZ) R (from table 1)**
31 33.6
63 30
125 48
250 30.6
500 18.4
1,000 28
2,000 35.7
4,000 37.1
8,000 43.5
31.5-8,000

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