

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")

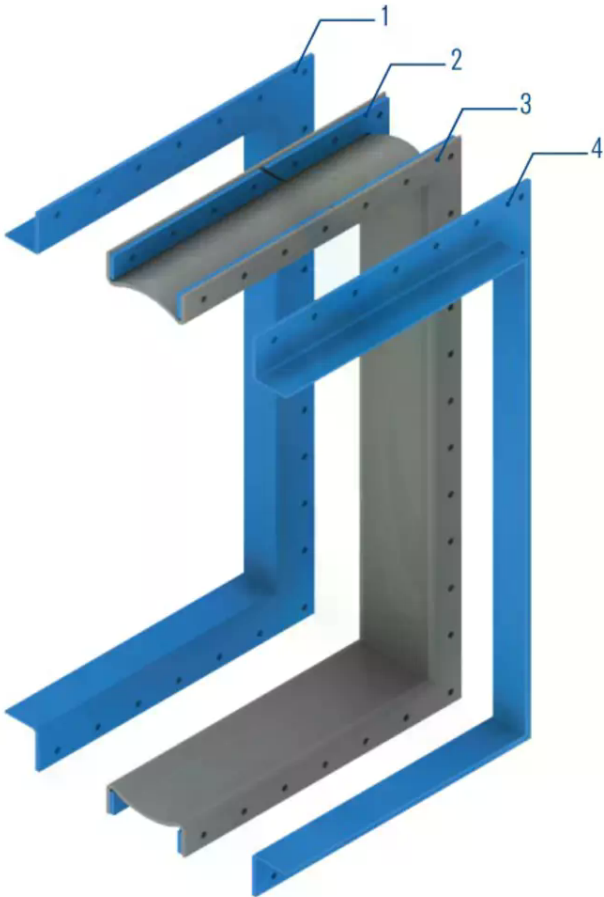
### Standards and approvals

- 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

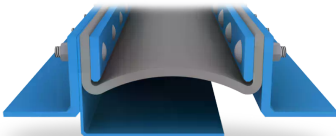
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Item	Description
1, 4	Duct flange
2	Clamp bar
3	Expansion joint

### 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	