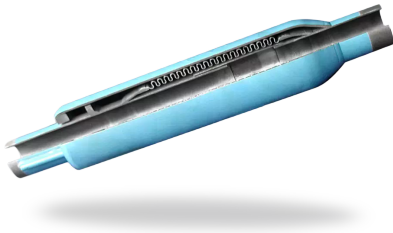


RELY ON EXCELLENCE

## DH1S Danmuff metal expansion joint

Expansion Joints | Metal expansion joints



### Features

- Untied metal expansion joints mainly for district heating applications.
- External shroud with torsion protection, for district heating.
- Can be installed in series.
- Designed for large axial movements.

### Notes

Custom designs and sizes are available on request. Untied metal expansion joints require guide and support. DH type expansion joints are delivered 100 % preset (extended) using shear bolts, which are activated during startup / first cycle.

### Advantages

- No significant pressure drop - reduced need for pumps and general power consumption for moving media, compared to pipe loops.
- Less space required around the joint - compared to pipe loops.
- Less supporting structure required - compared to pipe loops.
- Lower erosion rate (for abrasive media lines - compared to pipe loops with elbows).
- Multiply bellows with low spring rate and high cycle life.

### Operating range

Diameter: DN 40 ... DN 600 (1.75" ... 24")

Temperature: ... 120 °C (248 °F)

Pressure: 16 barg (232 PSIG), 25 barg (362 PSIG)

### Materials

- Bellows: 1.4541 (AISI 321)
- Connections: 1.0345 - (P235GH)

Other materials are available on request.

### Standards and approvals

Design code:

EJMA, 1,000 Cycles

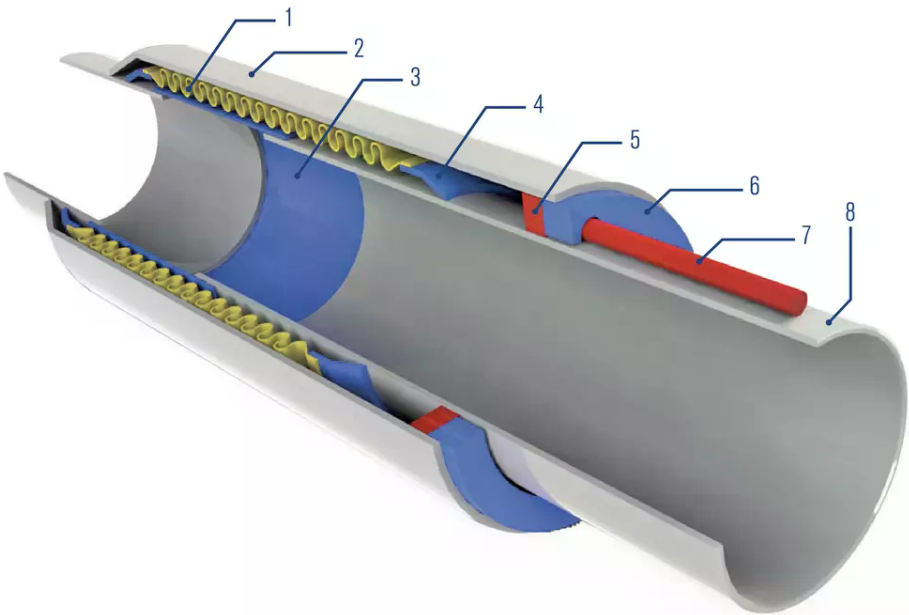
NDT and documentation:

Can be provided per customer request e.g., material certificates and NDT test reports.

### Recommended applications

- Power plant technology
- Building services industry
- District heating & cooling
- Water cooling systems
- Air and steam transport lines

RELY ON EXCELLENCE



Item	Description
1	Bellows
2	Outer casing / shroud
3	Internal liner
4	Cone section
5	Stop ring
6	Guide ring
7	Torsion protector
8	Media / line pipe

### Installation, details, options

