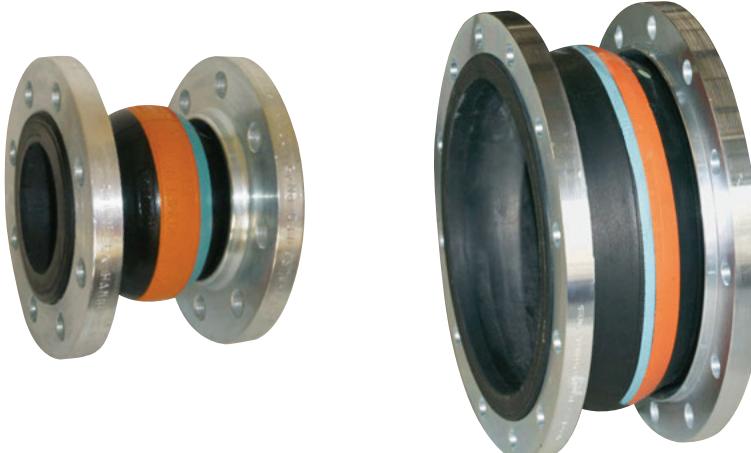


Rubber expansion joint • Type AS-1

Universal expansion joint DN 25 – DN 400



flame-proof

1
17

Structure type AS-1

Universal expansion joint, consisting of a rubber bellows and rotatable flanges

Rubber bellows PN 16

- Highly elastic molded bellows in various rubber grades
- Steel wire cord reinforcement
- Wire-reinforced self-sealing rubber rim
- Electrical impedance < 100 Ohm (DIN IEC 93, VDE 0303-30)

Rubber grade*	Colour code	Possible uses
EPDM	orange/blue	Hot water, acids, lyes
NBR	red/blue	Oil

*Check or inquire about the resistance of the rubber grade to temperature and medium.

Technical design

Max. perm. operating pressure	16 bar*
Max. perm. temperature	+130 °C
Bursting pressure	≥ 50 bar
Vacuum operation	DN 20-50 without vacuum supporting ring, DN 65-400 with vacuum supporting ring

Max. operating pressure to be set 30 % lower for shock loads.

*Please consider a decrease of pressure due to temperature (see technical annex).

Flanges

Version

- Rotable flanges with stabilizing collar
- Flange drilling for through bolts, DN 25 with Drill holes
- Special machined groove for rubber rim

Dimensions

Standard: DN 25 - DN 175 (PN 16)
DN 200 - DN 400 (PN 10)
DN 20 - DN 400 (PN 6)
according to EN 1092

Others: DIN EN, ANSI, BS etc.
Connection dimensions see technical

annex

Materials

Standard: 1.0038 (S235JR)
Others: 1.4541, 1.4571 etc.

Corrosion protection

Standard: electrogalvanized
Others: hot-dip galvanized, special varnish, special coating, etc.

Applications

- for reducing thermal and mechanical tension in pipes and their system components, e.g.
 - pumps
 - compressors
 - motors
- for muffling vibration and noise
 - at appliances
 - in cooling water and lub oil pipes
- for compensating axial, lateral and angular movement
- to compensate for installation inaccuracies
- to meet fire protection regulations
- shipbuilding industry
- in heating plants

Accessories

- Vacuum supporting ring
- Internal guide sleeve
- Protective hood
- Protective tube

Certificates

- CE (DGR 97/23/EC)
- American Bureau of Shipping
- Bureau Veritas
- Det Norske Veritas
- Germanischer Lloyd
- Lloyd's Register of Shipping
- TÜV/DIN 4809 (DN 25-200)
- Others see technical annex



STENFLEX® type AS-1 used in cooling water system of ship's engine

