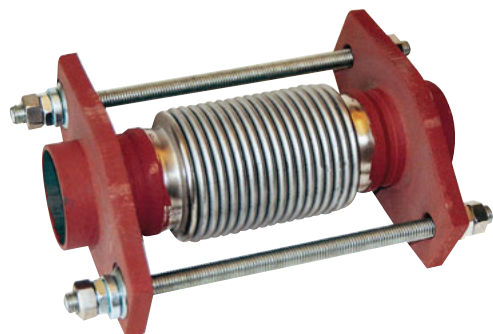


## Steel expansion joint - Type SA-20

Lateral expansion joint



Customized production

### Structure type SA-20

- Vacuum-proof lateral expansion joint consisting of a stainless steel bellows and welded pipe ends (welding ends)
- Welded joint bars with tie rod restraints to absorb reaction force

### Steel bellows PN 16

- Multiple convolution bellows in various stainless steel grades
- One ply or multi-ply structure

| Material grade * | Material No. as per DIN EN | Temperature**            | Possible uses  |
|------------------|----------------------------|--------------------------|--|
| Stainless steel  | 1.4541                     | -196 °C                  | Low temperature, acids, lyes, gases, fertilizers                         |
|                  | 1.4404, 1.4571             | up to +550 °C<br>+550 °C | Media containing chloride, oil, soap, drinking water, food stuff, petrol |

\* Check or inquire about the resistance of material grades to temperature and medium.  
\*\* Check or inquire about reduction in pressure by temperature.

### Welding ends

#### Version

- Welded pipe ends

#### Dimensions

Standard: see tables

Others: DIN EN, ANSI, BS etc.

#### Materials

Standard: 1.0345 (P235GH)  
1.0038 (S235JR)

Others: stainless steel etc.

#### Corrosion protection

Standard: anti-corrosion primed

Others: special varnish

### Note

Please comply with the general technical instructions regarding reaction force, moving force, fixed point load, installation instructions, etc.

Subject to technical alterations and deviations resulting from the manufacturing process.

#### Type SA-20

External restraints, carried on spherical washers/conical seats (ball joint)

### Applications

- for compensating lateral movement
- for reducing tension, in pipes and their system components, e.g.
  - compressors
  - motors
  - turbines
  - machines
  - process plants
- for installation in
  - industrial applications
  - exhaust systems
  - heating installations
  - gas supply lines

### Tie rod restraints

- External restraints carried on spherical washers/conical seats

### Materials

Standard: tie rods 8.8

Others: stainless steel

### Corrosion protection

Standard: electrogalvanized

### Special designs

Other sizes (DN), lengths or pressure ratings on request.

### Accessories

- Internal guide sleeve
- Protective tube

### Certificates

- CE (DGR 97/23/EG)
- American Bureau of Shipping
- Bureau Veritas
- DVGW (DN 32 - DN 200)
- Germanischer Lloyd
- Lloyd's Register of Shipping

### Versions

