

Steel expansion joint - Type SF-23

Lateral expansion joint



Customized production

Structure type SF-23

- Vacuum-proof lateral expansion joint consisting of two stainless steel bellows with connecting pipe and rotating flanges
- Suitable for simultaneous movements
- Long connecting pipes allow large lateral movements

Steel bellows PN 1 / PN 6

- Multiple convolution bellows in various stainless steel grades
- One ply or multi-ply structure
- DN 50 – DN 500 with flared ends
- DN 600 – DN 1000 with pre-welded flared ends

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 +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.

Flanges

Version

- Rotating flanges
- Flange drilling for through bolts

Dimensions

Standard: DN 50 - DN 1000 (PN 6) according to EN 1092

Others: DIN EN, ANSI, BS etc.

Connection dimensions see technical annex

Materials

Standard: 1.0038 (S235JR)

Others: stainless steel, etc.

Corrosion protection

Standard: DN 50 - DN 250 electrogalvanized, DN 300 - DN 1000 anti-corrosion primed

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

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.

Applications

- for compensating simultaneous axial and lateral movement
- for reducing tension, in pipes and their system components, e.g.
 - pumps
 - compressors
 - motors
 - turbines
 - machines
 - process plants
- for installation in
 - long pipe routings
 - industrial application
 - exhaust systems
 - heating installations
- to compensate for installation inaccuracies

Connecting pipe/guide sleeve

Materials

Standard: 1.0305 (St 35.8)
1.0038 (S235JR)

Others: stainless steel etc.

Corrosion protection

Standard: anti-corrosion primed

Others: special varnish etc.

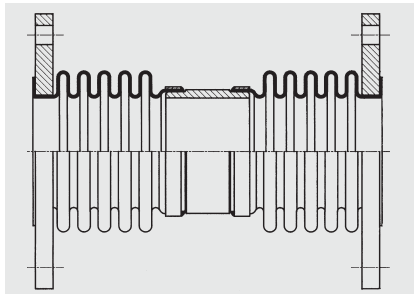
Special designs

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

Certificates

- CE (DGR 97/23/EC)
- American Bureau of Shipping
- Bureau Veritas
- Germanischer Lloyd
- Lloyd's Register of Shipping

Version



Type SF-23