STENFLEX®

Steel expansion joint ▪ Type SA-23

Lateral expansion joint

Customized production

Structure type SA-23

- ☐ Vacuum-proof lateral expansion joint consisting of two stainless steel bellows with connecting pipe and welded pipe ends (welding ends)
- ☐ 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

Material grade *	Material No. as per DIN EN	Temperature**	Possible uses
Stainless steel	1.4541	-196 °C up to +550 °C	Low temperature, acids, lyes, gases, fertilizers
	1.4404, 1.4571	+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 / connecting pipe

Version
- ☐ Welded pipe ends and connecting pipe

Dimensions
Standard: see tables of type SA-13
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, etc.

Applications

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

Special designs

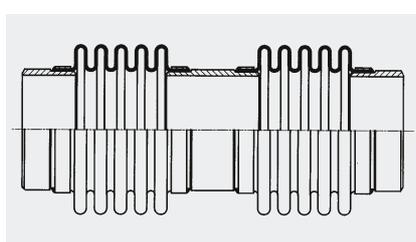Other sizes (DN), lengths or pressure ratings on request.

Certificates

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

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.

Version

Type SA-23