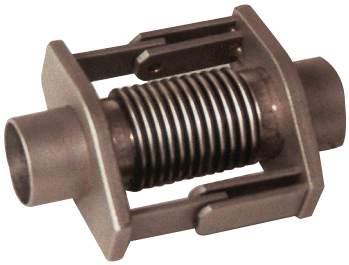
Steel expansion joint ▪ Type SA-30

Angular expansion joint, movable in one plane



Customized production

Applications

- for compensating angular movement in angular pipe routings
- as double or triple joint compensation system for large movements
- for reducing tension
- for installation in
  - industrial applications
  - pipe line and plant construction

Structure type SA-30

☐ Vacuum-proof angular expansion joint consisting of a stainless steel bellows and welded pipe ends (welding ends)

☐ Welded joint bars with hinge restraints to absorb reaction force

Steel bellows PN 6 / 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 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.

Hinge restraints

☐ Pivot of joint bars at center of bellows
☐ Hinge restraints control bellows movement

Materials
Standard: 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)

Welding ends

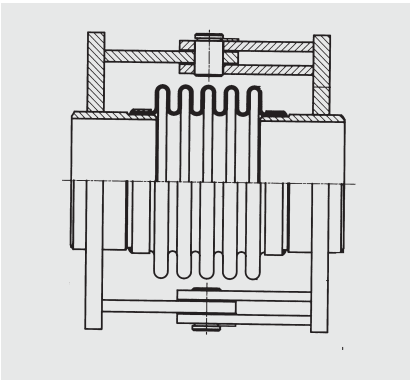
Version
☐ Welded pipe ends

Dimensions
Standard: see tables of type SA-10
Others: DIN EN, ANSI, BS etc.

Materials
Standard: 1.0305 (St 35.8I), 1.0038 (S235JR)
Others: stainless steel, etc.

Corrosion protection
Standard: anti-corrosion primed
Others: special varnish, etc.

Version



Type SA-30

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.