

CUSTOMIZED PRODUCTION

STEEL EXPANSION JOINT TYPE SA-20

LATERAL-EXPANSION JOINT



STRUCTURE TYPE SA-20 / STEEL BELLOWS PN 16

- 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
- Multiple convolution bellows in various stainless steel grades
- Single 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

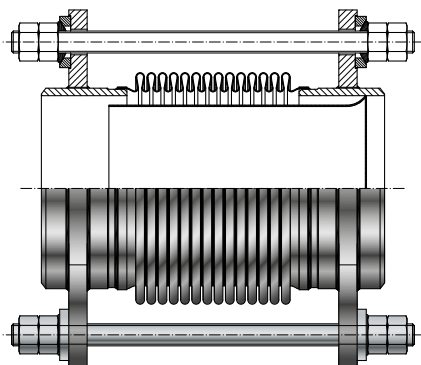
* Check or inquire about the resistance of material grades to temperature and medium.

** Check or inquire about reduction in pressure by temperature.

WELDING ENDS / VERSIONS

- Welded pipe ends

	Standard	Others
Dimensions	on request	
Materials	1.0345 (P235GH) 1.0038 (S235JR)	stainless steel etc.
Corrosion protection	anti-corrosion primed	special varnish etc.



Type SA-20 with inner guide sleeve
External restraints, carried on spherical washers/conical seats (ball joint)

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 lateral movement
- for reducing tension, in pipes and their system components, e.g.
 - compressors
 - engines
 - 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 DESIGN

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

CERTIFICATES

- CE (PED 2014/68/EU)
- American Bureau of Shipping
- Bureau Veritas
- DVGW (DN 32 – DN 200)
- RINA

ACCESSORIES

- Internal guide sleeve
- Protective tube