

CUSTOMIZED PRODUCTION

STEEL EXPANSION JOINT TYPE SA-33

ANGULAR EXPANSION JOINT CARDANIC MOVABLE



STRUCTURE TYPE SA-33 / STEEL BELLOWS PN 6, 16

- Vacuum-proof angular expansion joint consisting of a stainless steel bellows and welded pipe ends (welding ends)
- Welded joint bars with cardan hinge 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

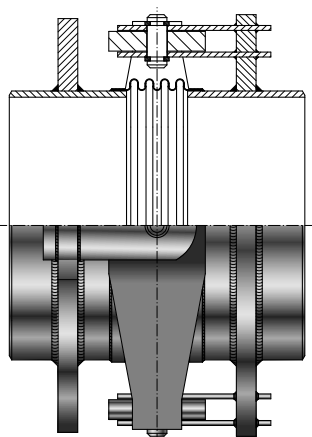
* Check or inquire about the resistance of material grades to temperature and medium.

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

WELDING ENDS / CONNECTING PIPE / VERSIONS

- Welded pipe ends

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



Type SA-33

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 angular movement in angular and deflecting 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

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 DESIGN

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

CERTIFICATES

- CE (PED 2014/68/EU)