

STEEL EXPANSION JOINT TYPE SF-23

LATERAL EXPANSION JOINT



STRUCTURE TYPE SF-23 / STEEL BELLOWS PN 1, PN 6

- Vacuum-proof lateral expansion joint consisting of two stainless steel bellows with connecting pipe and rotatable flanges
- Suitable for simultaneous movements
- Long connecting pipes allow large lateral movements
- Multiple convolution bellows in various stainless steel grades
- Single 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 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

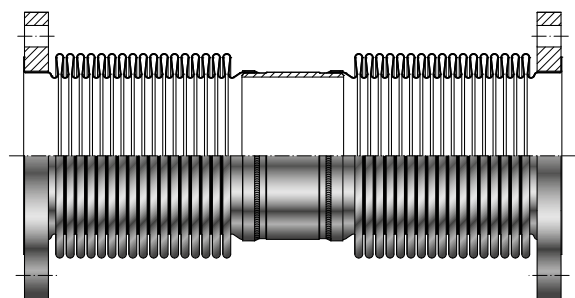
* Check or inquire about the resistance of material grades to temperature and medium.

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

FLANGES / VERSIONS

- Rotable flanges
- Flange drilling for through bolts

	Standard		Others
Dimensions	DN 50 – DN 1000 acc. EN 1092-1 PN 6		ANSI, BS etc. Connection dimensions see technical annex page 213 – 215
Materials	1.0038 (S235JR)		stainless steel etc.
Corrosion protection	DN 50 – DN 250 electro-galvanized	DN 300 – DN 1000 anti-corrosion primed	hot-dip galvanized, special varnish, special coating etc.



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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
 - engines
 - 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: 1.0345 (P235GH)
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)
- American Bureau of Shipping
- Bureau Veritas
- RINA