

## CUSTOMIZED PRODUCTION

## STEEL EXPANSION JOINT TYPE SF-24

LATERAL EXPANSION JOINT  
MOVABLE IN ONE PLANE

## STRUCTURE TYPE SF-24 / STEEL BELLOWS PN 6, PN 10

- Vacuum-proof lateral expansion joint consisting of two stainless steel bellows with connecting pipe, pipe ends and welded flanges
- Double hinge restraints to absorb reaction force
- Long connecting pipes allow large lateral movements
- 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

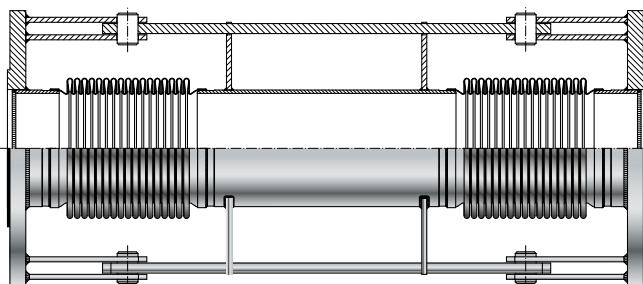
\* Check or inquire about the resistance of material grades to temperature and medium.

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

## FLANGES / VERSIONS

- Welded flanges
- Flange drilling for through bolts

	Standard	Others
<b>Dimensions</b>	DN 32 – DN 150 / PN 16 DN 200 – DN 500 / PN 10 acc. EN 1092-1	ANSI, BS etc. Connection dimensions see technical annex page 213 – 215
<b>Materials</b>	1.0038 (S235JR)	stainless steel etc.
<b>Corrosion protection</b>	anti-corrosion primed	special varnish etc.



Type SF-24

## 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 large lateral movement
- for reducing tension
- for installation in
  - industrial applications
  - pipe line and plant construction

## HINGE RESTRAINTS

- Pivot of joint bars at bellow's center
- Joint bars control bellow's movement

## Materials

Standard: 1.0038 (S235JR)

Others: stainless steel, etc.

## Corrosion protection

Standard: anti-corrosion primed

Others: special varnish, etc.

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)