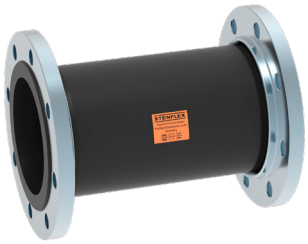
STENFLEX®

RUBBER EXPANSION JOINT TYPE E

CYLINDRICAL LATERAL EXPANSION JOINT DN 20 – DN 250



STRUCTURE TYPE E / RUBBER BELLOWS PN 10

- Lateral expansion joint consisting of a cylindrical rubber bellows without convolution and rotable flanges
- Cylindrical bellows without convolution in various rubber grades
- Synthetic fibre reinforcement
- Wire-reinforced self-sealing rubber rim (type E)
- Electrical impedance 10^3 to 10^6 Ohm (DIN IEC 93, VDE 0303-30)

Rubber grade*	EPDM	NBR
Colour code	orange	red
Possible uses	Cooling, hot, waste, brackish water, acids, lyes	hydrocarbon containing liquids

*Check or inquire about the resistance of the rubber grade to temperature and medium.

Technical design	
Max. perm. operating pressure	10 bar*
Max. perm. temperature	+100 °C
Bursting pressure	≥ 30 bar
Vacuum operation	not suitable

Max. operating pressure to be set 30 % lower for shock loads.
*Please consider a decrease of pressure due to temperature (see technical annex).

FLANGES / VERSIONS

- Special machined groove for rubber rim
- Flange drilling for through bolts

	Standard	**Others**
Dimensions	EN 1092	ANSI, BS etc. Connection dimensions see technical annex page 213 – 215
Materials	1.0038 (S235JR)	stainless steel etc.
Corrosion protection	electrogalvanized	special varnish and coating, etc.

NOTE

Please comply with the general technical instructions regarding reaction force, moving force, fixed point load, installation instructions etc.

Reaction force, moving force and fixed point load have to be calculated as for universal expansion joints (no tie rod restraints available).

Subject to technical alterations and deviations resulting from the manufacturing process.

APPLICATIONS

- for compensating lateral movement
- to improve the flow of media (smooth passage)
- for deposit-free passage of solid matter, e.g. at pumps for gypsum suspension
- for muffling vibration and noise
- as cylindrical elastic transition piece at
  - pumps
  - pipelines
  - engines
  - ventilating fans/blowers
  - cooling water lines
- cement industry
- conveyance technology

SPECIAL VERSIONS

Other sizes or lengths on request

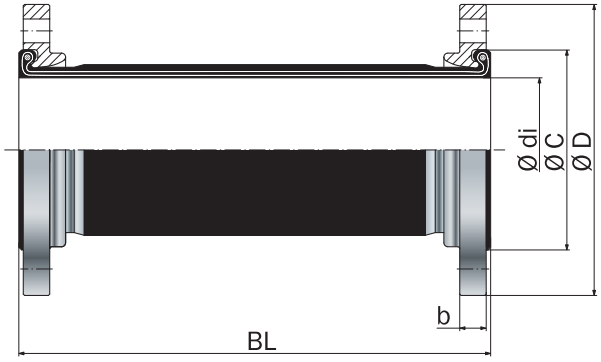
CERTIFICATES

- CE (PED 2014/68/EU)

DIMENSIONS STANDARD PROGRAM

DN	BL mm	Pressure rate bar	Ø d_i Bellows inner Ø mm	Ø C Raised face Ø mm	PN Flange connection EN 1092	Ø D Flange outer Ø mm	b Flange thickness mm	Δ lat Lateral movement ± mm	Weight approx. kg
20	160	10	25	51	16	115	16	30	2.3
25	160	10	25	51	16	115	16	30	2.3
32	200	10	39	72	16	140	16	25	3.4
40	200	10	45	81	16	150	16	25	3.9
50	230	10	56	95	16	165	16	25	4.7
65	290	10	72	115	16	185	18	20	5.8
80	310	10	84	127	16	200	20	20	7.9
100	350	10	109	151	16	220	20	20	9.2
125	350	10	133	178	16	250	22	20	12.1
150	350	10	161	206	16	285	22	20	14.7
200	350	10	209	260	10	340	25	15	21.3
250	350	10	262	313	10	395	25	15	26.3

Please contact us for further flange dimensions.



Type E

Cylindrical lateral expansion joint with rotable flanges