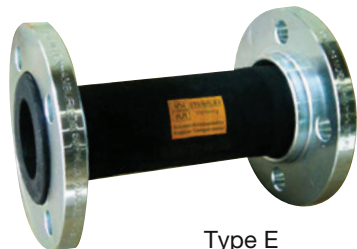


Rubber expansion joint - Type E

Cylindrical lateral expansion joint DN 20 – DN 250



Type E

Structure type E

Lateral expansion joint consisting of a cylindrical rubber bellows without convolution and rotatable flanges

Rubber bellows PN 10

- 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*	Colour code	Possible uses
EPDM	orange	Cooling, hot, waste, brackish water, acids, lyes
NBR	red	Oil

*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

Version

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

Dimensions

Standard: DN 20 - DN 175 (PN 16)
DN 200 - DN 250 (PN 10)
according to EN 1092

Others: DIN EN, ANSI, BS etc.

Connection dimensions see technical annex

Materials

Standard: 1.0038 (S235JR)

Others: stainless steel, etc.

Corrosion protection

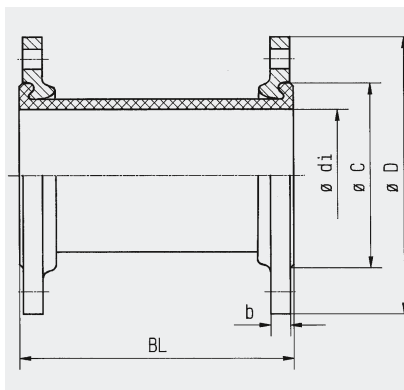
Standard: DN 20 - DN 250
electrogalvanized

Others: special varnish,
special coating, etc.

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
 - motors
 - ventilating fans/blowers
 - cooling water lines
- cement industry
- conveyance technology

Versions



Type E

Cylindrical lateral expansion joint with rotatable flanges

Special versions

Other sizes or lengths on request

Certificates

- CE (DGR 97/23/EC)

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.

Dimensions standard program type E

DN	BL	Pressure rate bar	ø di 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