

CUSTOMIZED PRODUCTION

RUBBER EXPANSION JOINT TYPE D-21, D-22, D-41, D-42 SQUARE OR OVAL UNIVERSAL EXPANSION JOINT DN 150 – DN 7500



STRUCTURE TYPE D / RUBBER BELLOWS PN 0,7

- **Type D-21:**
 - Rectangular universal expansion joint consisting of a rubber bellows and press-on retaining frame
 - Wide rubber rim
- **Type D-22:**
 - Rectangular universal expansion joint consisting of a rubber bellows and press-on retaining frame
 - Frame with stiffening ring
 - Narrow rubber rim
- **Type D-41:**
 - Rectangular universal expansion joint consisting of a rubber bellows and press-on retaining frame (round corners)
 - Wide rubber rim
- **Type D-42:**
 - Rectangular universal expansion joint consisting of a rubber bellows and press-on retaining frame (round corners)
 - Frame with stiffening ring
 - Narrow rubber rim
- **RUBBER BELLOWS PN 0,7 bar g:**
 - Extruded, endless vulcanized profile band
 - Without reinforcement
 - Self-sealing rubber rim

Rubber grade*	EPDM	NBR
Colour code	orange	red
Possible uses	Air, gases containing acids or lyes, dust	gases with hydrocarbon containing liquids

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

Technical design	
Max. perm. operating pressure	depending on DN not exceeding 0.7 bar g (see table)
Max. perm. temperature	+90 °C
Vacuum operation	for light vacuum down to 0.98 bar abs.

Max. operating pressure to be set 30 % lower for shock loads.

FLANGES / VERSIONS

- Retaining frame with drilling for through bolts

	Standard	Others
Dimensions	Dimensions and drillings according to customer's specification	
Materials	1.0038 (S235JR)	unalloyed steel, stainless steel etc.
Corrosion protection	hot-dip galvanized	special varnish and coating, etc.

NOTE

Please comply with the general technical instructions and installation instructions.

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

Admissible operating pressure, effective cross sectional area, reaction forces, moving forces and spring rates depend on expansion joint's size. Please inquire.

APPLICATIONS

- for reducing thermal and mechanical tension, e.g. at
 - ventilating fans
 - blowers
- for muffling vibration and noise
- for compensating axial and lateral movement
- to compensate for installation inaccuracies
- air and ventilation technology
- dedusting and filter engineering (clean-room technology)

ACCESSORIES

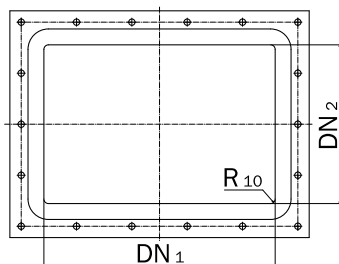
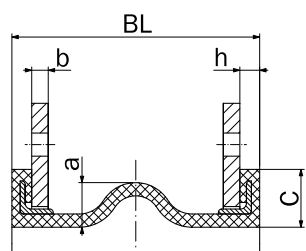
- Internal guide sleeve

DIMENSIONS STANDARD PROGRAM

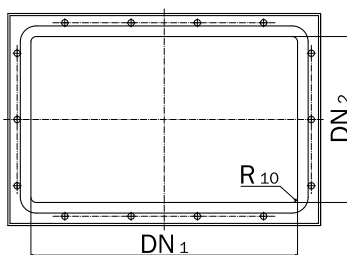
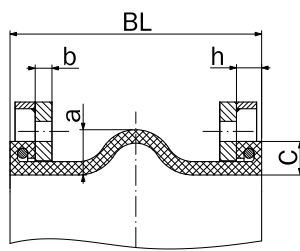
TYPE	DN ₁ Maximum size mm	DN ₂ Minimum size mm	BL mm	Minimum circum- ferential size inside mm	a External height of con- volution mm	C Rubber rim height mm	h Rubber rim thick- ness mm	b Flange thick- ness mm
D 21	7500	150	150	900	27	35	12	10
D 22	7500	150	150	900	27	20	15	10
D 41	7500	150	150	900	27	35	12	10
D 42	7500	150	150	900	27	20	15	10

MOVEMENT COMPENSATION / VERSIONS

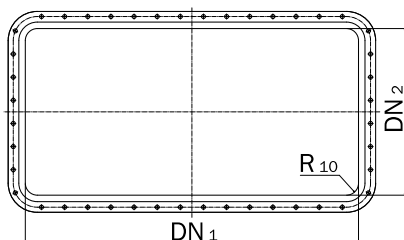
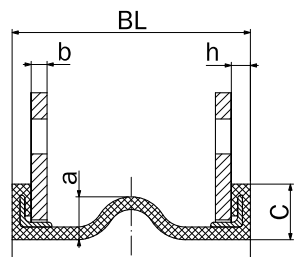
TYPE	Δ ax		Δ lat
	Axial movement		Lateral movement
	Compression -mm	Elongation +mm	\pm mm
D 21	25	15	20
D 22	25	15	20
D 41	25	15	20
D 42	25	15	20



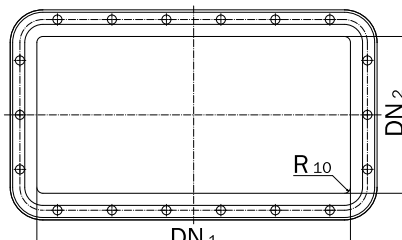
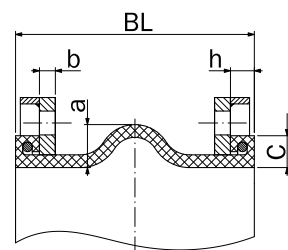
Type D-21



Type D-22



Type D-41



Type D-42