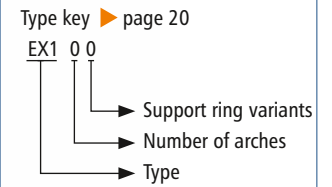


EX100



► Type EX100



Expansion joint for EX protection zones

Design:	Straight or conical fabric expansion joint made from EPDM rubber with a polyester fabric insert and self-sealing flanges or sleeves for clamped fixing and proof electrical conductivity Optional single-part backing flanges or fastening clamps
Conductivity:	Surface resistance $1.4 \times 10^5 \Omega$ electrical discharge capability
Installation method:	Fixing to flanges or using clamps at duct level Earthing with min. 10 cm ² contact surface required
Dimensions:	For round, rectangular and oval duct cross sections
Installation length:	According to customer specification
Media temperature:	Suitable between -30 to +100°C
Pressure:	Up to $\pm 15,000$ Pa
Movement:	For axial and lateral movements

Application:

Pharmaceutical industry, food processing, petrochemical and refining technology, varnish industry, e. g. on ventilators, in air conditioning and ventilation ducts, in suction units



Flanges

Design:	Single-part backing flange with clearance holes
Flange norms:	According to customer specification
Materials:	Carbon steel: 1.0038 (S235JRG2) Stainless steel: 1.4301 (X5CrNi18-10) 1.4571 (X6CrNiMoTi17-12-2) Other materials on request
Coating:	Primed, hot-dip galvanised, special paint

Fastening clamps

Design:	Depending on pressure and the nominal diameter, endless clamp belt, screw thread belt, small clamps or hinge bolt clamps. At higher pressures, 2 adjacent clamps per fastening side.	
Width:	Endless clamp belt: $\frac{3}{4}$ "	
	Screw thread belt: $\frac{1}{2}$ "	
	Small clamp: depending on \varnothing : 9–12 mm	
	Hinge bolt clamp: depending on \varnothing : 18–30 mm	
Materials:	Endless clamp belt with screw lugs (tongs): 1.7300	
	Screw thread belt with threaded screw lugs: 1.4310	
	Small clamp, belt and housing: 1.4016 (Screw steel galvanised)	
	Hinge bolt clamp, belt and housing: 1.4016 (Screw steel galvanised)	

Flow liners

Design:	Cylindrical, conical or telescoping flow liner (▶ page 296)
Materials:	Carbon steel: 1.0038 (S235JRG2) Stainless steel: 1.4301 (X5CrNi18-10) 1.4571 (X6CrNiMoTi17-12-2) Other materials on request
Coating:	Primed, hot-dip galvanised, special paint

Optional accessories

Fixing:	Screws Nuts Washers Disc springs
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Planning help EX100

