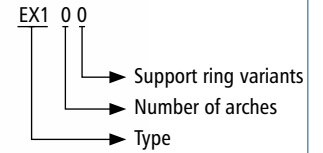


## EX100



### ► Type EX100

Type key ► page 20



## Expansion joint for EX protection zones

<b>Design:</b>	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
<b>Conductivity:</b>	Surface resistance $1.4 \times 10^5 \Omega$ electrical discharge capability
<b>Installation method:</b>	Fixing to flanges or using clamps at duct level Earthing with min. 10 cm <sup>2</sup> contact surface required
<b>Dimensions:</b>	For round, rectangular and oval duct cross sections
<b>Installation length:</b>	According to customer specification
<b>Media temperature:</b>	Suitable between -30 to +100°C
<b>Pressure:</b>	Up to $\pm 15,000$ Pa
<b>Movement:</b>	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

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

## Fastening clamps

<b>Design:</b>	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.	
<b>Width:</b>	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	
<b>Materials:</b>	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

<b>Design:</b>	Cylindrical, conical or telescoping flow liner (▶ page 298)
<b>Materials:</b>	Carbon steel: 1.0038 (S235JRG2) Stainless steel: 1.4301 (X5CrNi18-10) 1.4571 (X6CrNiMoTi17-12-2) Other materials on request
<b>Coating:</b>	Primed, hot-dip galvanised, special paint

## Optional accessories

<b>Fixing:</b>	Screws Nuts Washers Disc springs
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Planning help EX100

