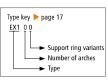
## EX100



## ▶ 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-seal-

ing flanges or sleeves for clamped fixing and proof electri-

Optional single-part backing flanges or fastening clamps

Conductivity: Surface resistance 1.4 x 10<sup>5</sup> Ω electrical discharge

capability

Installation method: Fixing to flanges or using clamps at duct level

Earthing with min. 10 cm<sup>2</sup> contact surface required

Dimensions: For round, rectangular and oval duct cross sections

Installation length: According to customer specification Suitable between −30 to +100°C Media temperature:

Up to  $\pm 15,000$  Pa Pressure:

For axial and lateral movements Movement:

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

Depending on pressure and the nominal diameter, endless clamp belt, screw thread belt, small clamps Design:

or hinge bolt clamps. At higher pressures, 2 adjacent clamps per fastening side.

Width: Endless clamp belt: 3/4"

Screw thread belt:

Small clamp: depending on Ø: 9-12 mm Hinge bolt clamp: depending on Ø: 18-30 mm

Endless clamp belt with screw lugs (tongs): 1.7300 Materials:

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 24)

1.0038 (S235JRG2) Materials: Carbon steel:

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 Planning help EX100

