

BGK611



Expansion joints for smoke escape ducts at 600°C for 120 minutes

- Design:** Single-arch fabric expansion joint (silicon-free) with self-sealing flanges
 Tested according to DIN 1823-6
 Vacuum support ring made from spring steel wire inside at the arch apex
 Single-part backing flange on both sides with guide rods
- Test temperature:** 600°C for 120 minutes
- Test vacuum:** 1,500 Pa at room temperature, 500 Pa at 600°C
- Installation method:** Fixes to flange at duct level
- Dimensions:** For round and rectangular duct cross sections
- Installation length:** 160 mm
- Media temperature:** Suitable for up to 120°C long-term temperature
- Pressure:** Up to ±15,000 Pa at room temperature
- Movement:** For axial movements
 axial compression= 100 mm

Application:
 Expansion joints in ducts and on smoke escape flaps in automatic smoke escape systems to compensate for thermal growth in the event of fire e.g. for building and tunnel smoke escape

Tested according to DIN 1823-6
 No individual approval according to the building regulation list

Flanges

- Design:** Single-part backing flange with clearance holes and guide bolts
- 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

Flow liners

- Design:** Cylindrical, conical or telescoping flow liner (▶ page 24)
- 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

Planning help BGK611

