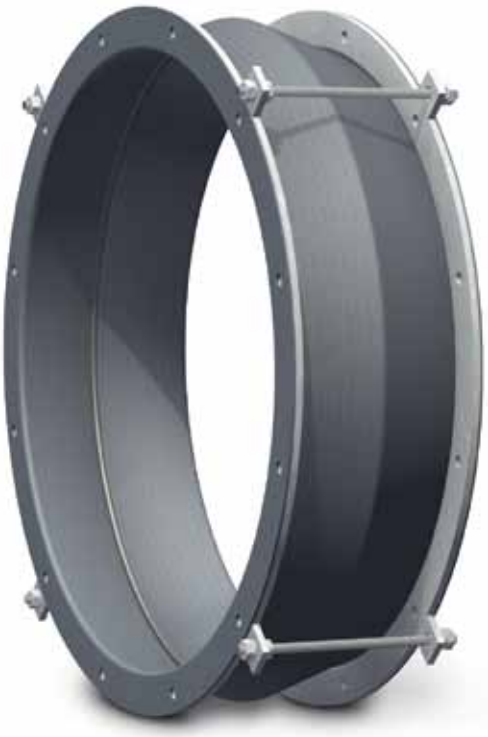
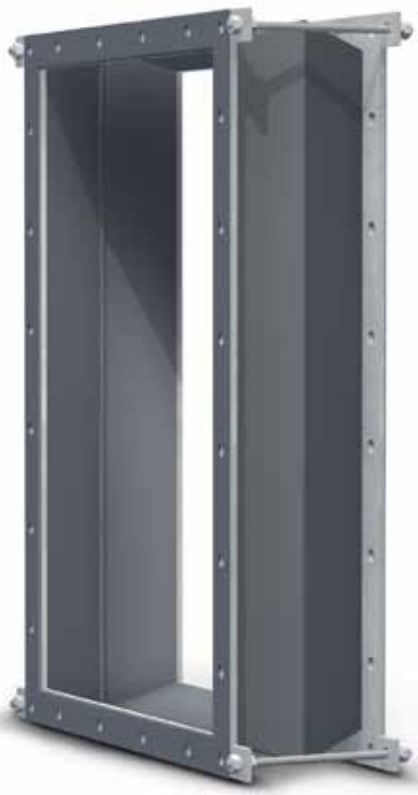
BGK611





▶ **Type BGK611**

Type key ▶ page 20

BGK6 1 1

- Support ring variants
- Number of arches
- Type

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 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

Planning help BGK611