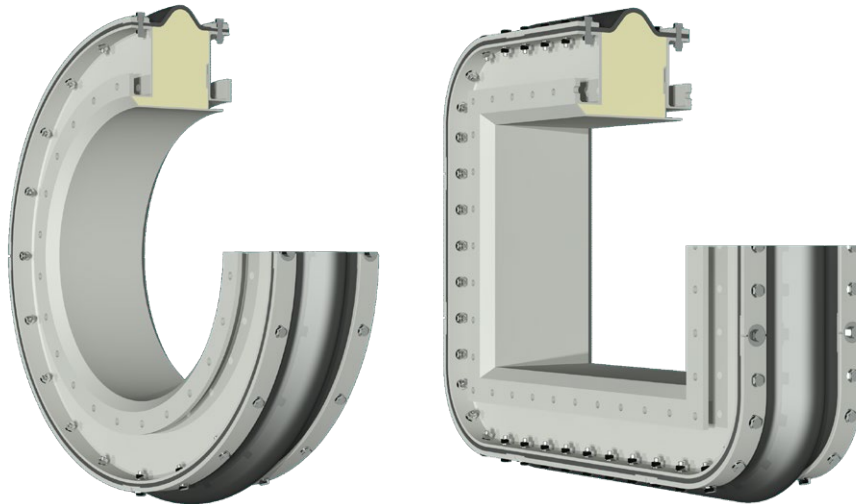
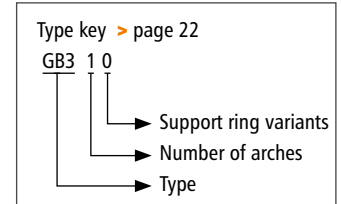


GB310



> Type GB310



Belt expansion joint on duct angles with pre-insulation, with one or more arches

Design: Cylindrical, single or multi-arch elastomer or multilayer expansion joint with sleeve for clamp bar fixing
Optional expansion joint with installation seam
Optional external pressure support rings in the arch trough
Optional vacuum support rings

Installation method: Clamp bar fixing on duct angles

Dimensions: For round and rectangular duct cross sections

Installation length: = Installation gap + 2x fixing width
Individually according to customer specifications

Fixing width: Depends on pressure and diameter between 60 and 100 mm

Media temperature: Depending on the height of the duct angle and duct lining, suitable for up to 1200°C

Pressure: Up to ±0.25 bar
Higher pressures on request

Movement: For axial, lateral and angular movements
Benchmarks:
axial compression = approx. 0.25 x installation gap
axial extension = approx. 0.25 x installation gap
lateral displacement = approx. 0.20 x installation gap
In the event of axial extension and simultaneous lateral displacement, movements are reduced. For large lateral movements, we recommend presetting the duct against the direction of movement

Application:
Power plants, waste incineration plants, gas turbines, cement factories, paper industry, steel industry e.g. in exhaust pipes, in ventilators, in air ducts, in ash lines, in filter systems



Request assembly instructions at:
www.ditec-adam.de/en/contact

Expansion joints

Multilayer expansion joint	
Temperature:	Depending on the duct angle height and lining, up to 1200°C
Design:	Multilayer fabric expansion joint consisting of interior insulating layers, embedded sealing films and exterior pressure carrier fabrics
Material:	<p>Internal layers PTFE glass fibre fabric laminate, glass fibre fabric, glass mat, silicate fabric</p> <p>Sealing films: PTFE film, stainless steel film</p> <p>External layer: Silicon coated glass fibre fabric, PTFE-glass fibre fabric laminate</p>

Pre-insulation

Design: Insulation layers, cut to the installation gap, consisting of heat-resistant wire mesh
Insulation layers made from glass, ceramic, silicate or mineral wool
Optional installation-ready, fabric-sheathed insulation pillow
Duct lining necessary for high medium temperatures

Clamp bar

Design: Multi-part clamp bar with slotted holes
Materials: Carbon steel, stainless steel
Coating: Primed, hot-dip galvanised, special paint

Optional accessories

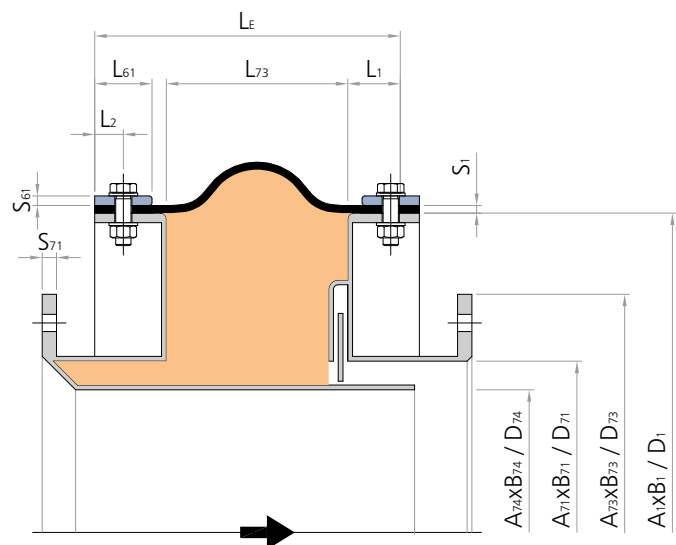
Fixing: Screws, nuts, washers, disc springs

Support rings: Vacuum rings inside in the arch apex and/or external support rings in the arch trough

Installation unit: Installation-ready installation unit complete with pre-mounted expansion joint, flow liner and connecting ends for welding or screwing into the duct (> page 361)

Installation set: Tools and aids for punching and closing the expansion joint seam

Cross section GB310





Multilayer expansion joint bellows, type GB300
as a seal between the grate and boiler in a waste incineration plant



Multilayer expansion joint, type GB300
as a pre-fabricated installation unit
for ash discharge in a power plant
Ø 5,500 x 600 mm, 750°C



Elastomer expansion joints, type GU110
in the chute between the screw conveyor and sludge container
in a slurry incineration facility
∅ 400 x 400 mm, 60 °C



Elastomer expansion joints, type GU100
on the scrubbing drums of a waste incineration plant
∅ 2,400 mm, 80 °C