**TUBULAR AIR HEATING ELEMENTS**

For air heating and radiation heating Backer tubular element are the most popular alternative. Backer manages a large number of production techniques, giving a choice within a wide range of element types. An optimal heat solution of an application is decided by user environment and operating temperature. Backer for example can supply element with an operating temperature of as much as 900°C.

### Type of heating
- Tubular heating elements
- Finned elements
- Fin strip elements
- Cast-in elements
- Aluminium elements

### Material
- Mild steel - Grade D
- Stainless steel: AISI 304/EN 1.4301, AISI 316L/EN 1.4404, Incoloy 800, R 323
- Ferritic stainless steel: 1.4510, 1.4512, 1.4521
- Aluminium

### Dimension
- Ø 6.4, 8.5, 14, 16, 18, 21 mm
- Other dimensions available upon request

### Fields of application
- Radiators/convectors
- Ovens, grills, frying tables
- IR-heaters
- Hot-air curtains
- Sterilization equipment

### Assembly
- Fixing in the object with flange/nipple

### Connection
- M4, M6, flat pin, spot welded cable, round pin 2.5 mm

### Types
- One, two alt. three wattage ratings/element
- Connection at one or two ends
- According to customer specification
- Can be manufactured with UL, VDE approval

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**Example of product design**