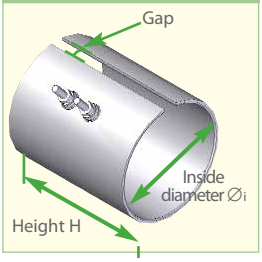
- Description of the different connections, with and without cap:
  - Wires : flexible wires, nickel core, fiberglass insulated, designed for a maximum operating temperature of 340°C.
  - Connection with embossement and leads in the thickness : each conductor is protected by a galvanized steel braid.
  - Terminals : M4, M5 or M6 threaded terminals, depending on the watt density, mounted with 2 washers and 1 nut per terminal.
  - Plugs : 2 pins, ∅ 6 mm, axe 19 mm, in nickeled stainless steel. Connection boxes, other models of pins in option. See p12.
  - Braid (specific for termination with cap) : 2 conductors wire termination, protected by a galvanized steel braid.
- All of our band heaters are provided with an earth wiring, by default. Delivery without ground wire, only on request.

CONNECTIONS WITHOUT CAP

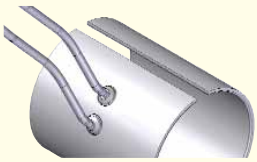
Legend



Orientation of the connections

Both terminations on the same side, parallel to the gap

Both terminations on the same side, perpendicular to the gap

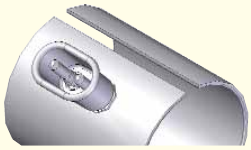


One termination on each side ot the gap

Standard band heaters are in aluminised sheath or stainless steel as option (no stainless for steel band heaters with wires in the thickness and connection with embossement). The dimensional ranges are the same for those two types mentioned above, except special specifications.
Connection without cap, single phased, are centered on the band heater's height . (except for connections leads in the thickness and leads under embossement). Dim. between the two axes: 19 mm.

Connections , on the same side, parallel to the gap

Pins
Intensity < 9 A



Mica
Øi : 50 to 150 mm
H : 55 to 215 mm

Mica with clamping sheat
Øi : 70 to 380 mm
H : 60 to 215 mm

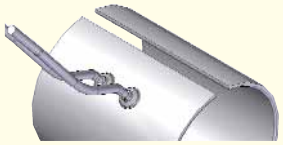
Terminals
Intensity < 13.5 A

Mica
Øi : 50 to 150 mm
H : 55 to 215 mm

Mica with clamping sheath
Øi : 70 to 380 mm
H : 60 to 215 mm

Ceramic : on request

Wires
Intensity < 20 A



Mica
Øi : 50 to 150 mm (alu)
Øi : 50 to 150 mm (st. steel)
H : 55 to 215 mm

Mica with clamping sheath
Øi : 70 to 380 mm
H : 60 to 215 mm

Ceramic : on request

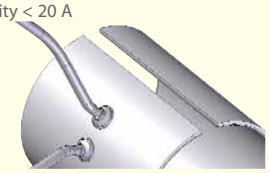
Connections , on the same side, perpendicular to the gap

Terminals
Intensity < 13.5 A

Mica with clamping sheath
Øi : 70 to 380 mm
H : 45 to 215 mm

Ceramic : on request

Wires
Intensity < 20 A

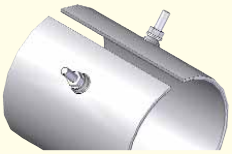


Mica
Øi : 70 to 380 mm
H : 45 to 215 mm

Ceramic
Ømin: 70 to 380 mm
H: 30 to 450 mm

Connections located on each side of gap

Terminals
Intensity < 13.5 A



Mica
Øi : 50 to 150 mm
H : 30 to 111 mm

Mica with clamping sheath
Øi : 70 to 380 mm
H : 65 to 111 mm

Ceramic : on request

Wires
Intensity < 20 A

Mica
Øi : 25 to 150 mm (alu)
Øi : 40 to 150 mm (st.steel)
H : 20 to 111 mm

Ceramic
Øi : 70 to 380 mm
H : 60 to 215 mm

Wires under bossage
Rated current < 4.5 A

Mica
Øi : 30 to 150 mm
H : 32 to 111 mm

(This heater is only available in brass)

Wires in the thickness
Intensity < 4.5 A

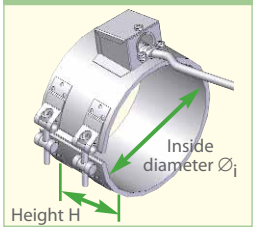
Mica
Øi : 30 to 150 mm
H : 30 to 111 mm

Possibility to add plugs, in option. See chapter "Options" p 12 and "Accessories" documentation.

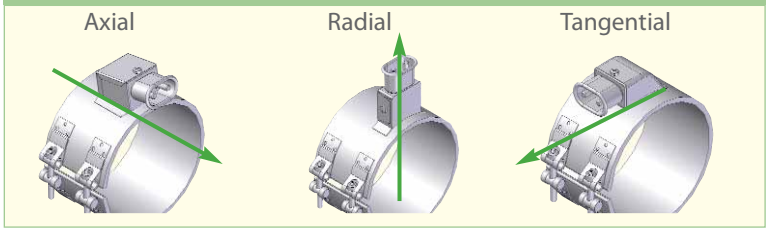
Refer to p18 "How to define special band heaters" to help you to define your quotation. Choose the connection type and fill in the enclosed form.

CONNECTIONS WITH CAP

Legend

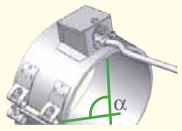


Orientation of the caps



Std positioning of the cap

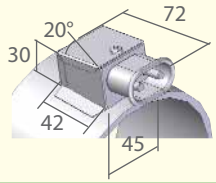
Øband h. < 100 mm α : 180°
Øband h. ≥ 101 mm α : 90°
Other angles on request



- Connection description : Other models, in option: p.12.
- Mica and ceramic b. h. : standard aluminised sheath, option stainless steel.
  Caps : standard aluminised plate, option stainless steel.
- Sealed nozzle heaters & caps : all pieces made of brass or stainless steel
- Positioning of caps on the height : please consult us.
- The sketches of the connection shown below, correspond to Øi and H ranges mentioned in the table. Other ranges, see note(1).
- Models of caps, below, for single phase connection. Possibility of three phase (stud terminals and braid), commutable or not. Please, consult us.

Axial orientation

Pins- Intensity < 16 A (single phase)

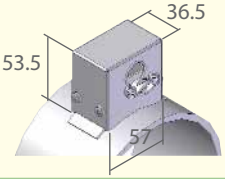


Mica
Øi : 70 to 380 mm / H : 44 to 424 mm

Other range (1) :
Øi : 60 to 250 mm / H : 35 to 43 mm

Ceramic
Ømin: 60 mm / H : 45 to 450 mm

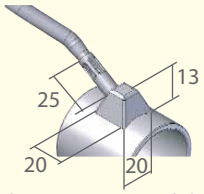
Terminals - Intensity < 13.5 A (single phase)



Mica
Øi : 95 to 380 mm / H : 70 to 424 mm

Other range(1) :
Øi : 95 to 250 mm / H : 40 to 69 mm

Braid + CMBPE type cap, angle 30° - Intensity < 7.5 A (single phase)



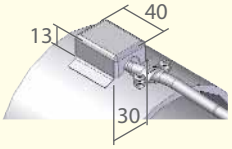
Sealed mica (brass)
Øi : 30 to 250 mm / H : 91 to 215 mm

Sealed mica (stainless steel)
Øi : 30 to 250 mm / H : 61 to 215 mm

Mica
Øi : 45 to 250 mm / H : 41 to 130 mm

Other orientations : radial or tangential, with different slopes . (see p12)

Braid + small bulk cap - Intensity < 20 A (single phase)

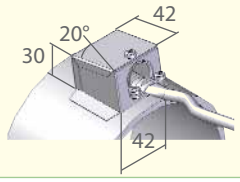


Also available with radial or tangential ends.

Mica
Øi: 90 to 250 mm / H: 30 to 49 mm
& Øi: 60 to 380 mm / H: 50 to 111 mm
l_{max} : H ≤ 111 mm: 13.5 A, beyond 20 A.

Other range (1):
Øi: 60 to 380 mm / H: 112 to 424 mm (l_{max} 20 A)

Braid - Intensity < 20 A (single phase)



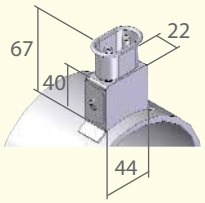
Mica
Øi : 60 to 380 mm / H: 44 to 69 mm
& Øi : 70 to 380 mm / H: 70 to 424 mm

Ceramic
Ømin: 60 mm / H: 45 to 450 mm

In case of particular bulks, please consult us.
Note (1) : for these ranges,please consult us for cap dimensions.

Radial orientation

Pins - Intensity < 16 A (single phase)



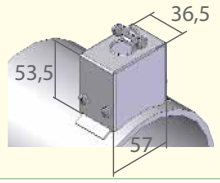
Also perpendicular avaliable on the edge of the band heater

Mica
Øi: 50 to 250 mm / H: 22 to 43 mm
et Øi: 50 à 380 mm / H 44 to 424 mm
l_{max} : H ≤ 29 mm : 4.5 A, beyond16 A.

Other range (1):
Øi : 35 to 49 mm / H : 22 to 285 mm

Ceramic
Ømin: 60 mm - H : 30 to 450 mm

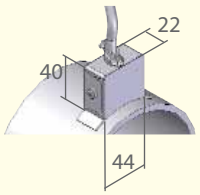
Terminals - Intensity < 13.5 A (single phase)



Mica
Øi: 75 to 250 mm / H: 35 to 43 mm
and Øi : 75 to 380 mm / H: 44 to 424 mm

Ceramic
Ømin: 60 mm / H : 30 to 450 mm

Braid - Intensity < 20 A (single phase)



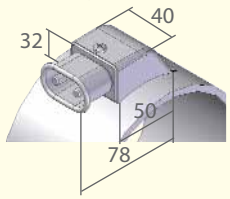
Mica
Øi : 50 to 250 mm / H: 22 to 43 mm
and Øi: 50 to 380 mm / H: 44 to 424 mm
l_{max} : H ≤ 29 mm : 4.5 A, beyond 20 A.

Other range (1):
Øi : 35 à 49 mm / H : 22 to 285 mm

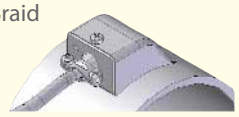
Ceramic
Ømini 60 mm / H: 30 to 450 mm

Tangential orientation

Pins Intensity < 16 A (single phase) or braid - Intensity < 20 A (single phase)



Braid



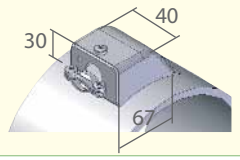
Mica
Øi : 70 to 380 mm / H : 51 to 424 mm

Other range (1): pins
Øi : 110 to 250 mm / H : 32 to 50 mm

Other range (1): braid
Øi : 90 to 250 mm / H : 35 to 50 mm (l_{max} 20 A)
et Øi : 60 to 380 mm / H : 112 to 424 mm
Øi : 60 to 250 mm / H : 50 to 111 mm (l_{max} 13.5 A)

Ceramic
Ømin: 60 mm / H: 45 to 450 mm

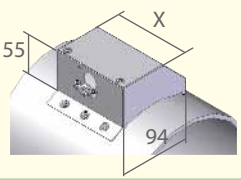
Terminals - Intensity < 13.5 A (single phase)



Mica
Øi : 70 to 380 mm / H : 51 to 424 mm

Other range(1):
Øi : 95 to 250 mm / H : 40 to 50 mm
and Øi : 110 to 250 mm / H : 35 to 39 mm

Terminals - Intensity < 20 A (single phase)



Ceramic
Ømin: 60 mm / H: 45 to 450 mm

X: Ithe cap height equals the band height