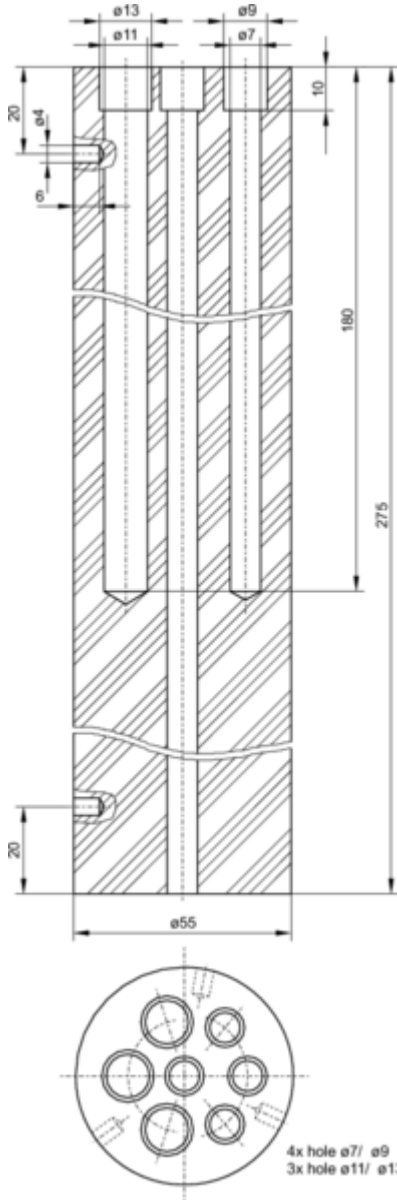


Components and accessories  
Calibration block  
Calibration block KB



Thermal equalising block from aluminium nitride

for improving thermal uniformity of a calibration furnace

- high thermal conductivity (figure next page)
- low density (3,3 g/cm<sup>3</sup>)
- low specific heat (32,1 J/molK)
- high chemical resistance
- high operating temperature range 0-1100°C (short 1200°C)
- high heat shock resistance up to 180K

With the help of 6 radial insert holes ( $\varnothing$  4 mm) for application of distance pieces can be provided a central positioning of the calibration block in different furnace geometries. The region of the best uniformity of the furnace can be found by means of the central 7 mm hole. The position varies depending on operational temperature and inserts. The block should have an optimal position where the temperature gradients surrounding the sensing elements of thermometers under test are minimal.

#### Structure

- outer dimensions  $\varnothing$  55 mm x 275 mm
- 3 holes  $\varnothing$  11 mm x 180 mm
- 3 holes  $\varnothing$  7 mm x 180 mm
- 1 continuous hole in the middle  $\varnothing$  7 mm
- others on inquiry