

# Insulation support DHK

The cost-effective plastic insulation support for all conventional insulating boards



Insulating materials in rear-ventilated façades



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## Applications

To fix soft and pressure-resistant insulating materials in rear-ventilated façades, such as:

- Mineral / glass wool
- PU panels
- Light building boards made of wood wool
- Cork boards / coir matting
- Polystyrene
- Foam glass tiles

## Advantages

- The optimised geometry of the expansion section ensures a low anchorage depth and reduces the amount of drilling required.
- Flexible pins in the plate area adapt to the insulating material, and ensure a sustained contact pressure.
- The simple hammerset installation allows

for a quick installation process and thus reduces workload.

- The colouring of the DHK means that it does not stand out on black clad insulating material in rear-ventilated façades.
- The DHK 45 is suitable for use in pressure-resistant insulating boards and reveals.

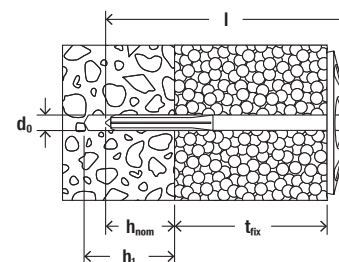
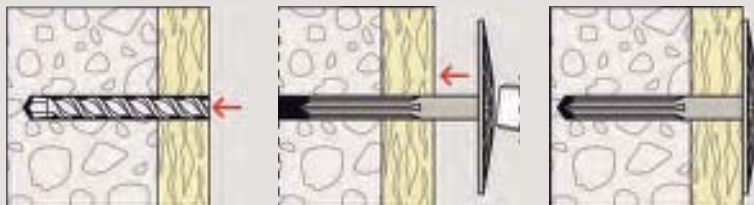
## Building materials

- Concrete
- Hollow blocks made from lightweight concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Solid sand-lime brick
- Natural stone with dense structure
- Aerated concrete
- Solid brick made from lightweight concrete
- Solid brick

## Functioning

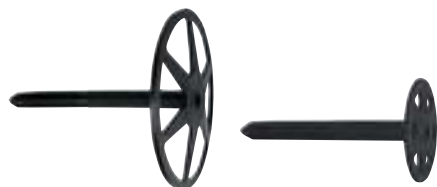
- The DHK is set in push-through installation using a hammer.
- The plate size of the insulation support is to be selected in line with the compressive strength of the insulating material: DHK 45 for pressure-resistant; DHK 90 for soft insulating materials.
- The expansion of the ribs in the drill hole gives the DHK an ideal contact pressure.
- Temperature range when installed: -40 °C to +80 °C.

## Installation DHK



## Technical data

### Insulation support DHK


 DHK, plate- $\phi$  90 mm

 DHK 45, plate- $\phi$  45 mm

Item	Item No.	Drill hole diameter $d_0$ [mm]	Min. drill hole depth $h_1$ [mm]	Effect. anchorage depth $h_{ef}$ [mm]	Anchor length $l$ [mm]	Max. fixture thickness $t_{fix}$ [mm]	Sales unit [pcs]
DHK 40	080937	8	30	20	65	40	250
DHK 60	080938	8	30	20	85	60	250
DHK 80	080939	8	30	20	105	80	250
DHK 100	080940	8	30	20	125	100	250
DHK 120	080941	8	30	20	145	120	200
DHK 140	080949	8	30	20	165	140	200
DHK 160	512150	8	30	20	185	160	100
DHK 180	512151	8	30	20	205	180	100
DHK 200	512153	8	30	20	225	200	100
DHK 220	512154	8	30	20	245	220	100
DHK 45/40	080892	8	30	20	65	40	250
DHK 45/60	080893	8	30	20	85	60	250
DHK 45/80	080894	8	30	20	105	80	250
DHK 45/100	080895	8	30	20	125	100	250

## Loads

### Insulation support DHK

Recommended loads<sup>1)</sup> for a single anchor.

Type		DKH
Recommended loads in the respective base material $F_{rec}^{2)}$		
Concrete	$\geq C12/15$	[kN] 0.03
Solid brick	Mz 12	[kN] 0.03
Solid sand-lime brick	KS 12	[kN] 0.03
Perforated sand-lime brick	KSL 6	[kN] 0.03
Vertically perforated brick	Hlz 12	[kN] 0.02
Aerated concrete	$\geq AAC 2 (G2)$	[kN] 0.02

<sup>1)</sup> Required safety factors are considered.

<sup>2)</sup> Valid for tensile load.