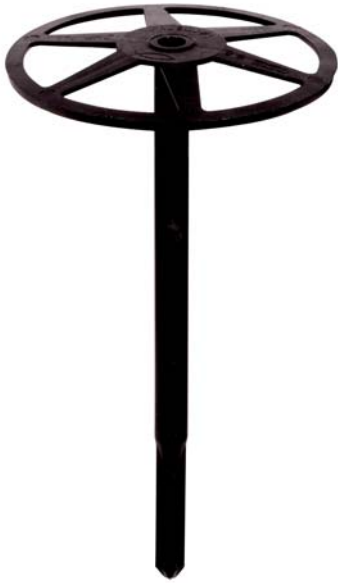


The cost-effective plastic insulation support for all conventional insulating boards



Insulating materials in rear-ventilated façades



Insulating materials in rear-ventilated façades

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

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 hammer-set 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.

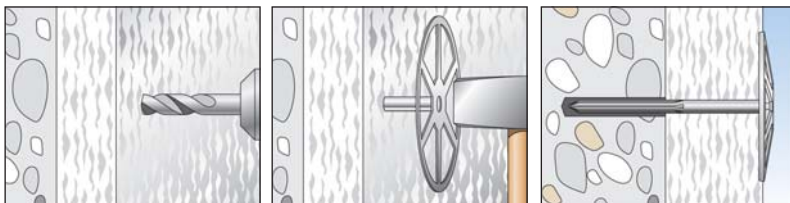
APPLICATIONS

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

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.



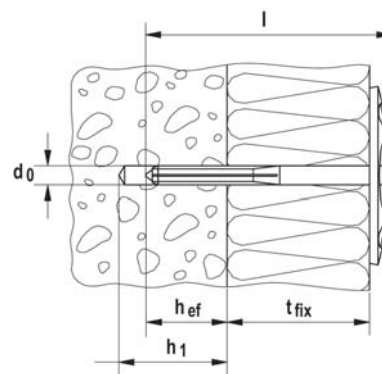
TECHNICAL DATA



Insulation support **DHK 45**,
plate-ø 45 mm



Insulation support **DHK**,
plate-ø 90 mm



Item	Art.-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

Highest recommended loads¹⁾ for a single anchor.

Type	DHK		
Recommended loads in the respective base material F_{rec}²⁾			
Concrete	≥ 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	≥ PB 2, PP 2 (G2)	[kN]	0,02

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load.