

Insulation support DHM

The fire-protection-tested metal insulation support for fire-resistant insulating boards



Pressure-resistant insulating materials on ceiling undersides



Pressure-resistant insulating materials in curtain façades

Applications

To fix fire-resistant soft or pressure-resistant insulating materials, such as:

- Mineral / glass wool
- Light building boards made of wood wool
- Foam glass tiles

Also suitable for:

- Polystyrene boards
- Coir matting

Advantages

- The metal insulation support achieves fire resistance F 120. This means that it can be used where there are fire resistance requirements.
- The DTM 80 plate for soft insulating materials (available separately) simplifies storage and minimises costs.
- The simple hammer-set installation allows

for a quick installation process and thus reduces workload.

- The shaft geometry allows setting in aerated concrete without pre-drilling, thus saving a stage of installation.
- Stainless steel version DHM A2 (1.4301) for wet and exterior applications.

Certificates



Fire resistance classification R120

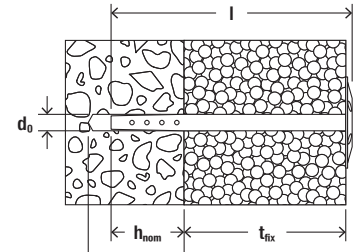
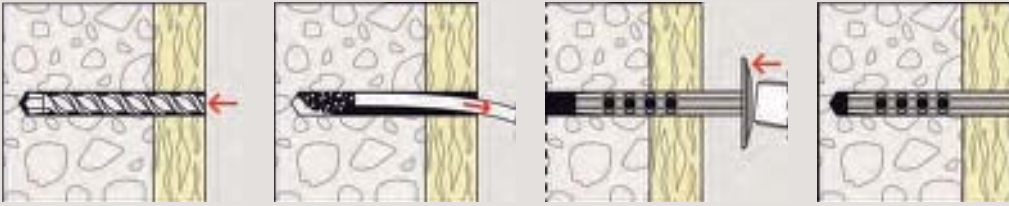
Building materials

- 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 insulation support is set in push-through installation using a hammer.
- When hammered in, the expansion part tightens like a spring with the substrate.
- Use the DTM 80 plate (available separately) to fix soft insulating materials.

Installation DHM



Technical data

Insulation support DHM


 DHM, washer- \varnothing 35 mm

 DTM 80, washer- \varnothing 80 mm,
inside- \varnothing 11 mm

Item	Hot-dip galvanised steel	Stainless steel A2	Approval	Drill hole diameter	Min. drill hole depth	Effect. anchorage depth	Anchor length	Usable length	Sales unit
	Item No.	Item No.		d_0 [mm]	h_1 [mm]	h_{ef} [mm]	l [mm]	t_{fix} [mm]	
	hdg	A2	DIBt						[pcs]
DHM 40	536253	536262	●	8	50	40	80	10 - 40	250
DHM 70	536254	536264	●	8	50	40	110	40 - 70	250
DHM 100	536256	536265	●	8	50	40	140	70 - 100	250
DHM 130	536257	536266	●	8	50	40	170	100 - 130	250
DHM 160	536258	536267	●	8	50	40	200	130 - 160	250
DHM 210	536259	536268	●	8	50	40	250	170 - 210	125
DHM 260	536260	536269	●	8	50	40	300	220 - 260	125
DTM 80	536261	536271	●	—	—	—	—	—	250

Technical data

Cover cap DHM ADK



DHM ADK-W



DHM ADK-GR



DHM ADK-BG

Item	Item No.	Diameter	Colour	Sales unit
		[mm]		
DHM ADK-W	013330	37	white	250
DHM ADK-GR	046843	37	grey	250
DHM ADK-BG	046844	37	beige	250

Loads

Insulation support DHM			
Recommended loads ¹⁾ for a single anchor.			
Type			DHM
Recommended loads in the respective base material $F_{rec}^{2)}$			
Concrete ³⁾	≥ C12/15	[kN]	0.25
Solid brick	Mz 12	[kN]	0.25
Solid sand-lime brick	KS 12	[kN]	0.25
Aerated concrete (without pre-drilling)	≥ AAC 2 (G2)	[kN]	0.10

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load.

³⁾ Acc. to German approval in cracked concrete ≥ C20/25 0.07 kN. The complete approval has to be considered.