

## 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

### 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

### CERTIFICATES



### 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.

### APPLICATIONS

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

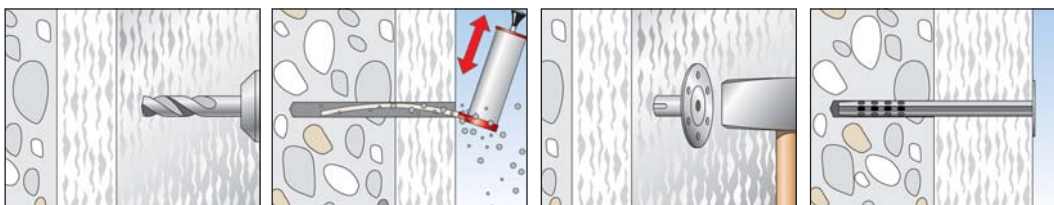
- Mineral / glass wool
- Light building boards made of wood wool
- Foam glass tiles

**Also suitable for:**

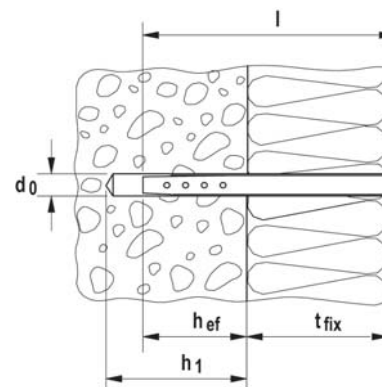
- Polystyrene boards
- Coir matting

### FUNCTIONING

- The insulation support is set in push-through installation using a hammer.
- The spring steel expands when hammered into the base material.
- Use the DTM 80 plate (available separately) to fix soft insulating materials.



## TECHNICAL DATA



Insulation support metal **DHM**,  
washer-ø 35 mm

Insulation retaining metal washer **DTM 80**,  
washer-ø 80 mm, inside-ø 11 mm

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

## ACCESSORIES



Cover cap **DHM ADK-W**



Cover cap **DHM ADK-GR**



Cover cap **DHM ADK-BG**

Item	Art.-No.	Diameter $d$ [mm]	Colour	Outer carton [pcs]	Sales unit [pcs]
<b>DHM ADK-W</b>	013330	37	white	5000	250
<b>DHM ADK-GR</b>	046843	37	grey	10000	250
<b>DHM ADK-BG</b>	046844	37	beige	2500	250

## LOADS

### Insulation support DHM

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

Type	DHM		
<b>Recommended loads in the respective base material <math>F_{rec}</math><sup>2)</sup></b>			
Concrete <sup>3)</sup>	$\geq C12/15$	[kN]	0,25
Solid brick	Mz 12	[kN]	0,25
Solid sand-lime brick	KS 12	[kN]	0,25
Aerated concrete (without pre-drilling)	$\geq PB 2, PP 2 (G2)$	[kN]	0,10

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

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

<sup>3)</sup> Acc. to German approval in cracked concrete 0,07 kN. The complete approval has to be considered.