

## METAL HAMMER-IN ANCHOR TMH

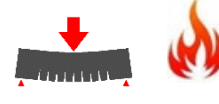
### Usage:

- fixing hangers for suspended ceilings
- fixing of perforated banding
- fixing of fireproof cabling



### Advantages:

- Can be used in cracked and non-cracked concrete
- Fire resistance up to R120 - non-flammable fixing
- Quick and each assembly



### Anchor material:

Anchor shaft made of ML08Al carbon steel, wedge made of 45 (C1045) steel. Galvanized anchor min. 5µm.

### Substrate material:

Reinforced or unreinforced plain concrete of a class not lower than C20 / 25 and not higher than C50 / 60 according to EN 206.

Method of marking TMH nails		
Symbol	Nail diameter d [mm]	Nail length L[mm]
TMH06040	06	040

### Installation parameters of TMH anchors

Product Code	Nail Diameter	Hole Dia. in the ground	Min. hole depth	Effective anchorage depth	Min. substrate thickness	Max. thickness of the fixed element	Min. hole diameter in element to be attached	Anchor length
	d [mm]	d <sub>o</sub> [mm]	h <sub>1</sub> [mm]	h <sub>ef</sub> [mm]	h <sub>min</sub> [mm]	t <sub>fix</sub> [mm]	d <sub>f</sub> [mm]	L [mm]
TMH06040	6	6	40	30	80	5	6,5	40
TMH06070	6	6	40	30	80	35	6,5	70

The entire European Technical Assessment ETA-20/0526 should be considered when designing

### Design bearing capacity of TMH anchors in cracked and non-cracked concrete, classes C20 / 25 to C50 / 60 for the basic anchor depth h<sub>ef</sub>

Connector designation	TMH
Effective anchoring depth h <sub>ef</sub> [mm]	30
Pull-out capacity N <sub>Rd</sub> [kN]	1,42
Shear load capacity V <sub>Rd</sub> [kN]	2,49
Anchor spacing S <sub>cr,N</sub> [mm]	200
Distance from the edge C <sub>cr,N</sub> [mm]	150

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### Characteristic resistance of TMH anchors in the event of fire in cracked and non-cracked concrete, classes C20 / 25 to C50 / 60



Connector designation	TMH
Effective anchoring depth h <sub>ef</sub> [mm]	30
Pull-out capacity R30 F <sub>Rk,fi</sub> [kN]	0,75
Pull-out capacity R60 F <sub>Rk,fi</sub> [kN]	0,75
Pull-out capacity R90 F <sub>Rk,fi</sub> [kN]	0,75
Pull-out capacity R120 F <sub>Rk,fi</sub> [kN]	0,60
Anchor spacing S <sub>cr,fi</sub> [mm]	200
Distance from the edge C <sub>cr,fi</sub> [mm]	150

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### TMH metal nail-in assembly diagram:

