

Section 1. PRODUCT DESCRIPTION

METAL HAMMER DRIVE ANCHOR – SMM

Metal hammer drive anchor SMM comprises anchor made of zinc alloy and aluminium (Zn/Al) and a hammer drive nail made of zinc-plated carbon steel. It is designed for fixing of thin metal members, flashings, drywall encasement elements, or suspended ceiling systems. Fixing is executed by driving in the nail into the anchor which causes its expansion and creates a permanent anchorage.



Types of substrates on which hammer drive plug SMM can be installed:

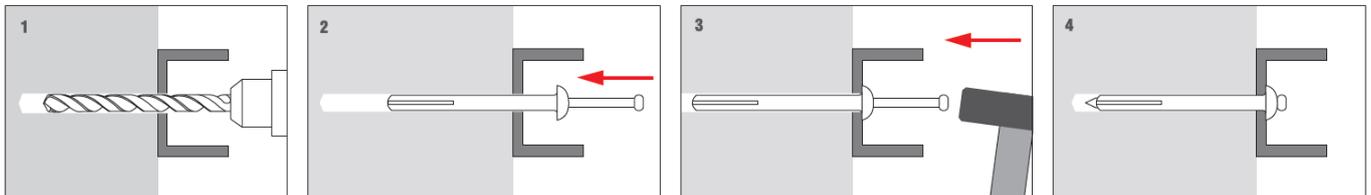
- Concrete
- Solid clay brick

Hammer drive plugs hold National Technical Assessment:
ITB-KOT-2018/0463 Rev. 1



Section 2. METHOD OF INSTALLATION

1. Original hammer drive anchors delivered by the manufacturer can be used only
2. Before installation identify a substrate in which the anchor will be installed and compare loads which the anchor will carry to resistance values given in Product Data Sheet or National Technical Assessment
3. Select an adequate length of the anchor so that expansion zone is in the construction material of the wall (thickness of member being fixed matches max. usable length of the anchor – t_{fix})
4. Diameter of drilled holes should match diameter of the anchors used
5. Drilled holes in substrates of solid materials should be deeper by min. 10mm compared to the anchorage depth
6. Clean the holes in solid materials of drillings with a back and forth motion of the drill at a reduced speed
7. Then insert the plug into a drilled hole, and drive the nail until it completely penetrates the anchor

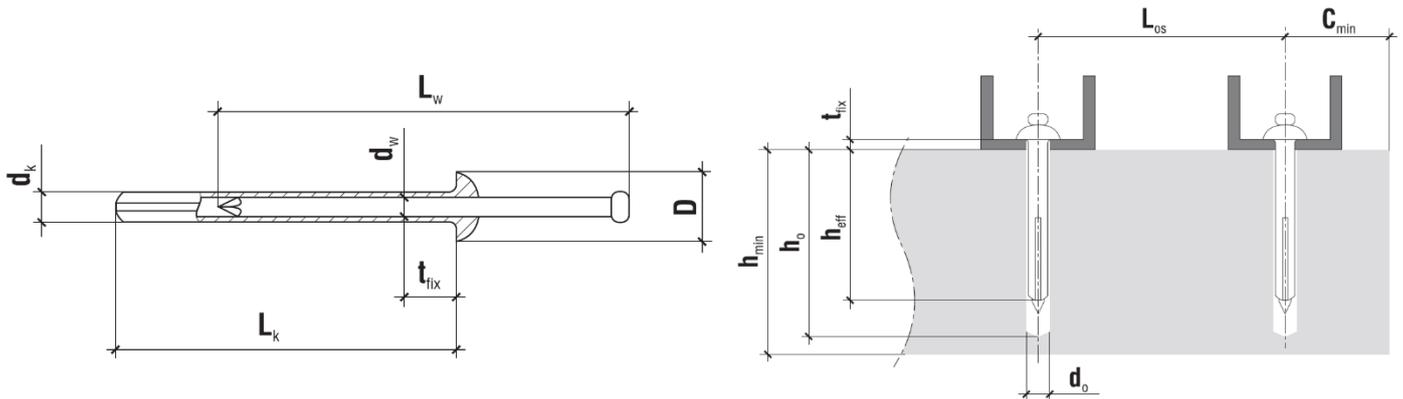


Section 3. TECHNICAL DATA

TECHNICAL PARAMETERS		
Parameter	Unit	Value
Anchor diameter	d_k [mm]	6
Hole/drill diameter	d_o [mm]	6
Effective anchorage depth	h_{eff} [mm]	30
Drilled hole depth	h_o [mm]	40
Anchor material	[-]	Zn/Al
Nail material	[-]	Carbon steel
National Technical Assessment	[-]	ITB-KOT-2018/0463

RESISTANCE	
Substrate type	Design resistance [kN]
Concrete C20/25 ÷ C50/60	1,19
Solid clay brick	1,00

INSTALLATION PARAMETERS			
Substrate type	Min. substrate thickness	Min. distance from edge	Min. axial distance
	h_{min} [mm]	c_{min} [mm]	L_{os} [mm]
Concrete C20/25 ÷ C50/60	80	150	250
Solid clay brick	80	150	250



SELECTION TABLE					
Product code	Anchor diameter and length	Nail diameter and length	Max. usable length	Collar diameter	Number of pieces in a box
	$d_k \times L_k$ [mm]	$d_w \times L_w$ [mm]	t_{fix} [mm]	D [mm]	[pcs]
SMM-06040	6x40	3,8x48	10	13	100
SMM-06050	6x50	3,8x59	20	13	100
SMM-06065	6x65	3,8x73	35	13	100

Section 4. REMARKS

1. All previous versions of this Product Data Sheet shall cease to be valid
2. Data given in this Product Data Sheet is in accordance with current knowledge and published in good faith. KLIMAS Sp. z o.o. is not responsible for correctness and quality of the fixing if recommendations regarding method of use and installation are not followed.