

**PRODUCT DATA SHEET – KMG**

**Section 1. PRODUCT DESCRIPTION**

**HAMMER-IN ANCHOR FOR AUTOCLAVED AERATED CONCRETE – KMG**

Universal hammer-in anchor KMG is made of carbon steel with protective zinc coating. The anchor is used as a body for screw-in elements, such as screws, screw-in hooks. Metal anchor has ribbed design which provides easy screw tightening, and outer teeth allow for transfer of heavy loads. Fixing is executed by driving the screw into the anchor which causes its expansion and creates a permanent anchorage.

Types of substrates on which anchor KMG can be installed:

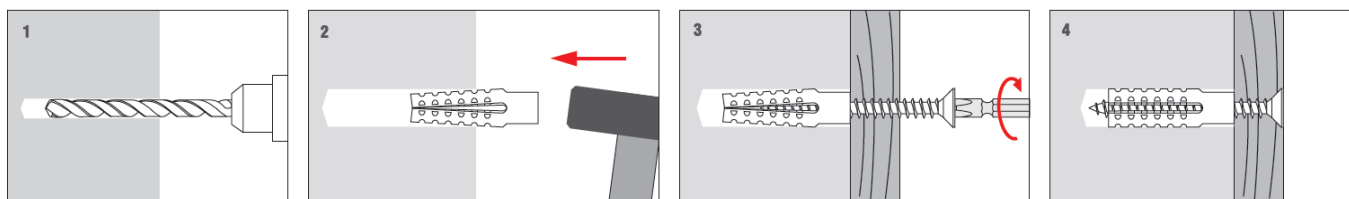
- autoclaved aerated concrete



Anchors hold National Technical Assessment: ITB-KOT-2018/0463 Rev. 1

**Section 2. METHOD OF INSTALLATION**

- Original anchors delivered by the manufacturer can be used only
- 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
- Select a screw with an adequate diameter recommended for each anchor diameter
- Use proper method of drilling according to a substrate type (holes in masonry substrate made of autoclaved aerated concrete blocks should be drilled using a drill without impact)
- Diameter of drilled holes should match diameter of the anchors used
- Drilled holes in substrates of solid materials should be deeper by min. 10mm compared to the plug anchorage depth
- Clean the holes in solid materials of drillings with a back and forth motion of the drill at a reduced speed
- Then insert the anchor into a drilled hole, and drive the screw until it completely penetrates the body



**Section 3. TECHNICAL DATA**

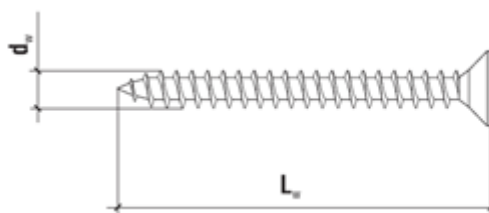
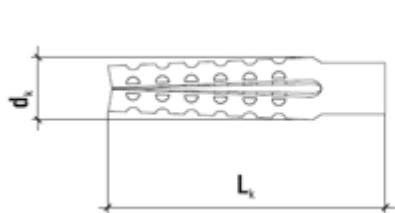
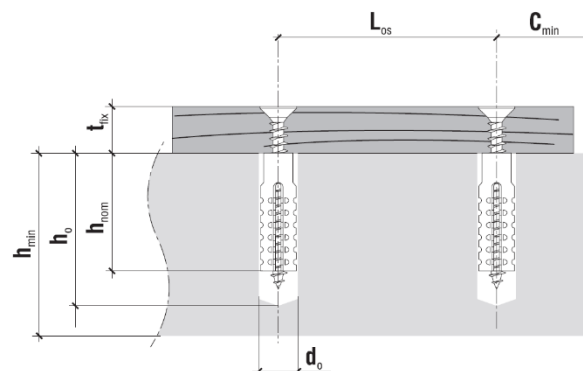
TECHNICAL PARAMETERS		
Parameter	Unit	Value
Anchor diameter	$d_k$ [mm]	5/6/8/8*/10
Hole/drill diameter	$d_0$ [mm]	5/6/8/8*/10
Effective anchorage depth	$h_{eff}$ [mm]	30/32/36/60*/60
Drilled hole depth	$h_0$ [mm]	40/40/45/70*/70
Anchor material	[-]	Zinc-plated steel
National Technical Assessment	[-]	ITB-KOT-2018/0463 Rev. 1

\*for KMG-08-D

RESISTANCE		
Anchor type	Design resistance [kN]	
	Autoclaved aerated concrete class 2,0 & $\rho \geq 350 \text{ kg/m}^3$	Autoclaved aerated concrete class 3,5 & $\rho \geq 650 \text{ kg/m}^3$
KMG-05	0,04	0,16
KMG-06	0,10	0,28
KMG-08	0,18	0,52
KMG-08-D	0,44	1,39
KMG-10	0,60	1,79

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INSTALLATION PARAMETERS			
Plug type	Min. substrate thickness	Min. distance from edge	Min. axial distance
	$h_{min}$ [mm]	$C_{min}$ [mm]	$L_{os}$ [mm]
KMG-05	100	45	90
KMG-06	100	48	96
KMG-08	100	53	108
KMG-08-D	100	90	180
KMG-10	100	90	180



PZ-2  
PZ-3

SELECTION TABLE			
Product code	Anchor diameter and length	Recommended screw diameter	Number of pieces in a box
	$d_k \times L_k$ [mm]	$d_w$ [mm]	[pcs]
KMG-05	6,2x30	4,5	200
KMG-06	7,5x32	4,5 - 5,0	200
KMG-08	9,8x36	5,0 - 6,0	100
KMG-08-D	9,8x60	5,0 - 6,0	50
KMG-10	11,8x60	6,0 - 8,0	50

**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.