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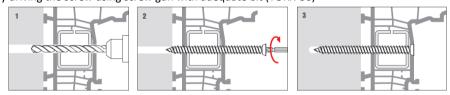


PRODUCT DATA SHEET – WHO/WHOW

Section 1. PRODUCT DESCRIPTION



- 1. Original screws delivered by the manufacturer can be used only
- 2. Before installation identify a substrate in which the screw will be installed and compare loads which the screw will carry to resistance values given in Product Data Sheet or National Technical Assessment
- 3. Select adequate screw length, depending on thickness of members being fixed
- 4. 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)
- 5. Diameter of drilled holes should match diameter of hole recommended by the manufacturer
- 6. Drilled holes in substrates of solid materials should be deeper by min. 10mm compared to the screw anchorage depth
- 7. Clean the holes in solid materials of drillings with a back and forth motion of the drill at a reduced speed
- 8. Fixing is executed by driving the screw using screw gun with adequate bit (TORX-30)



Section 3. TECHNICAL DATA

TECHNICAL PARAMETERS			
Parameter	Unit	Value	
		WHO	WHOW
Screw diameter	d _k [mm]	7,5	
Hole/drill diameter	d₀ [mm]	6	
Effective anchorage depth	h _{eff} [mm]	30/40/60*	
Drilled hole depth	h₀ [mm]	40/50/70*	
Drive type	[-]	TORX-30	
Screw material	[-]	Zinc-plated steel	
National Technical Assessment	[-]	ITB-KOT-2017/0308	

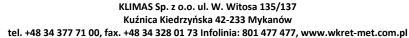
*for concrete / solid brick / autoclaved aerated concrete

RESISTANCE				
Substrate type	Design resistance – WHO/WHOW			
	Pull-out [kN]	Shear [kN]		
Concrete C20/25 – C50/60	1,19	2,40		
Solid clay brick	0,80	1,60		
Autoclaved aerated concrete	0,20	0,40		

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	45	250	
Solid clay brick	80	60	250	
Autoclaved aerated concrete	90	90	250	

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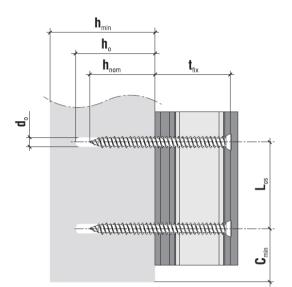
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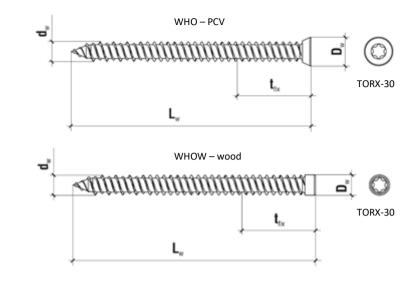




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PRODUCT DATA SHEET – WHO/WHOW





SELECTION TABLE – WHO				
Product code	Screw diameter and length	Head diameter	Drive type	Number of pieces in a box
	d _{w ×} L _w [mm]	D _w [mm]	[-]	[pcs]
WHO-75042	7,5x42	11	TORX-30	200
WHO-75062	7,5x62	11	TORX-30	200
WHO-75082	7,5x82	11	TORX-30	100
WHO-75102	7,5x102	11	TORX-30	100
WHO-75112	7,5x112	11	TORX-30	100
WHO-75132	7,5x132	11	TORX-30	100
WHO-75152	7,5x152	11	TORX-30	100
WHO-75182	7,5x182	11	TORX-30	100
WHO-75212	7,5x212	11	TORX-30	100

SELECTION TABLE – WHOW				
Product code	Screw diameter and length	Head diameter	Drive type	Number of pieces in a box
	d _{w x} L _w [mm]	D _w [mm]	[-]	[pcs]
WHOW-75042	7,5x42	8,5	TORX-30	200
WHOW-75062	7,5x62	8,5	TORX-30	200
WHOW-75082	7,5x82	8,5	TORX-30	100
WHOW-75102	7,5x102	8,5	TORX-30	100
WHOW-75112	7,5x112	8,5	TORX-30	100
WHOW-75132	7,5x132	8,5	TORX-30	100
WHOW-75152	7,5x152	8,5	TORX-30	100
WHOW-75182	7,5x182	8,5	TORX-30	100
WHOW-75212	7,5x212	8,5	TORX-30	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.