

WCA1 Ceiling Anchors

Product overview

The WCA1 ceiling anchors are easy to install deformation-controlled anchors for medium loads. They are approved for multiple use for non-structural applications in cracked and non-cracked concrete.



ETA ETAG001 Part 6
ETA-16/0971



Fire Resistance
R120

Material
Steel, zinc plated



Features and benefits

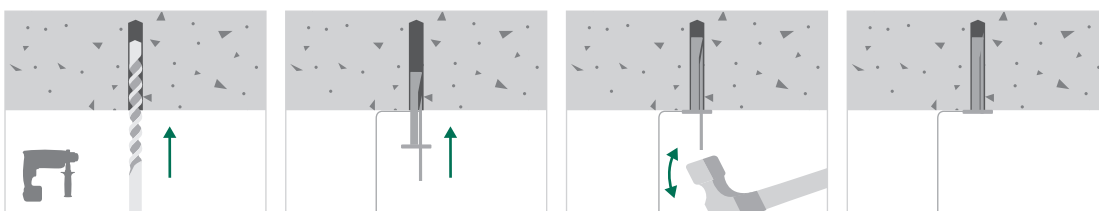
- ETA ETAG001 Part 6 approval for multiple use for non-structural applications
- Simple and quick installation procedure
- Correct anchor installation can be verified by simple visual check
- Fire resistance class R30-R120 for design of anchorages under exposure to fire
- Medium load capacity
- Through fixing

Substrate type

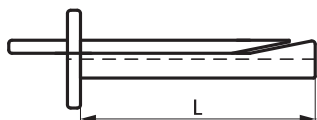
- Non-cracked concrete
- Cracked concrete



Installation guide



Product information



Part No.	Description	Anchor Size	d (mm)	L (mm)	Box qty (pcs)
609 6 3604	WCA1 6x40	6	5.8	36	100
609 6 3665	WCA1 6x65	6	5.8	65	100

Recommended loads*

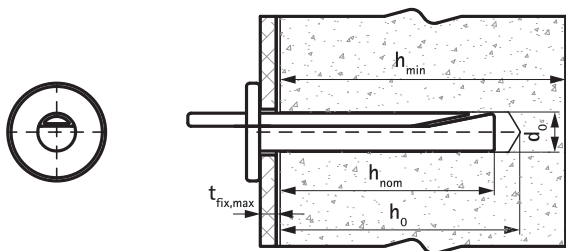
Option 1 ETA-16/0971 - Multiple use for non-structural applications

Recommended load for all directions in C20/25 to C50/60 concrete

Part No.	Description	Cracked	Non-cracked	Partial safety factor
		F_{rec} (kN)	F_{rec} (kN)	γ_M
609 6 3604	WCA1 6x40	1.43	1.43	1.50
609 6 3665	WCA1 6x65	1.43	1.43	1.50

*Recommended loads: apply to correctly installed anchors at maximum embedment depth; include partial safety factor and an overall partial safety factor for action of 1.4. The partial safety factor for action depends on the type of loading and shall be taken from national regulations. All anchor failure modes and the entire relevant product European Technical Assessment must be considered for anchor design.

Installation data



Part No.	Description	d_0 (mm)	$\geq h_0$ (mm)	h_{min} (mm)	$\geq h_{nom}$ (mm)	$\geq h_{ef}$ (mm)	C_{cr} (mm)	S_{cr} (mm)	$t_{fix,max}$ (mm)
609 6 3604	WCA1 6x40	6	40	100	32	32	150	200	4.5
609 6 3665	WCA1 6x65	6	40	100	32	32	150	200	35