WCA1 Ceiling Anchors

Economical ceiling hammer-set anchor for non-structural applications

Anchor types

WCA1 6x40
WCA1 6x65

- The **WCA1** ceiling anchors are easy to install deformation-controlled anchors for medium loads.

Features and benefits

- Simple and quick installation procedure
- Correct anchor installation can be verified by simple visual check
- Medium load capacity
- Through fixing

Suitable base materials

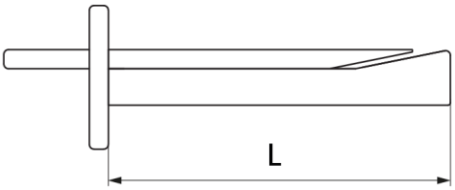
- Non-cracked concrete, C20/25 to C50/60
- Cracked concrete, C20/25 to C50/60
- Fire-exposed concrete, C20/25 to C50/60

Typical applications

- Lightweight and suspended ceilings
- Coffered ceilings
- Fastening perforated suspension band
- Machinery

Product details

Article	Description	Size [-]	Length L [mm]
60963604	WCA1 6x40	6	36
60963665	WCA1 6x65	6	65



Packaging details

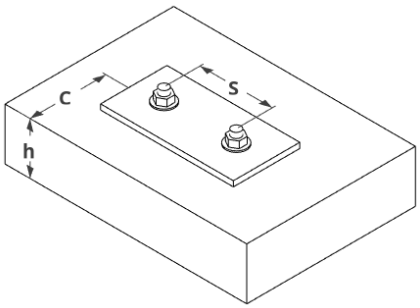
Article	Description	Pack 1		Pack 2	
		[pcs]	EAN13	[pcs]	EAN13
60963604	WCA1 6x40	100	8712993157822	1600	8712993157877
60963665	WCA1 6x65	100	8712993157839	800	8712993157884

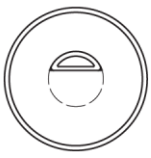
Mechanical properties

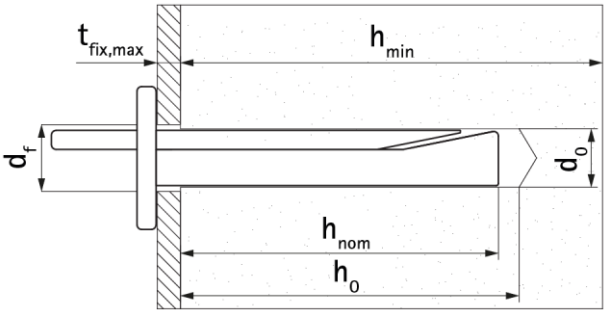
Anchor Type	WCA1
Material	Steel acc. to EN 10263-2; galvanized steel (≥ 8 µm)

Installation parameters

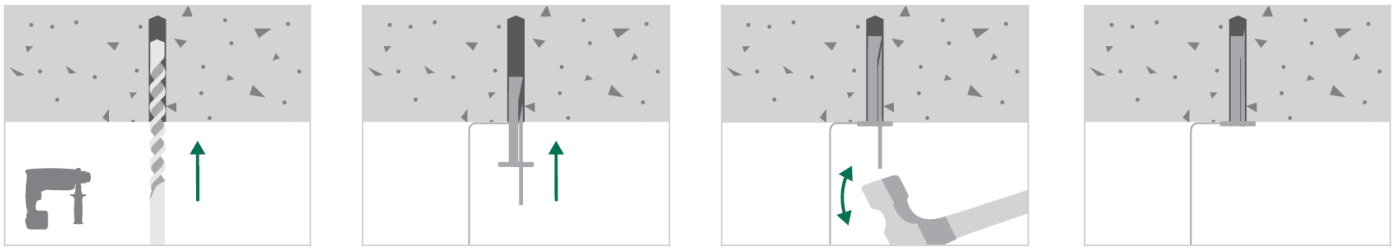
Anchor Type			WCA1	
Anchor size			6x40	6x65
Anchor length	L	[mm]	36	65
Drill hole diameter	d_0	[mm]	6	6
Depth of drill hole	$h_0 \geq$	[mm]	≥ 40	≥ 40
Nominal embedment depth	h_{nom}	[mm]	≥ 32	≥ 32
Effective embedment depth	h_{ef}	[mm]	32	32
Min. concrete member thickness	h_{min}	[mm]	100	100
Maximum fixture thickness	$t_{fix,max}$	[mm]	4.5	35
Characteristic edge spacing distance	C_{cr}	[mm]	150	150
Characteristic anchor spacing distance	S_{cr}	[mm]	200	200
Clearance hole diameter	d_f	[mm]	7	7







Instructions for installation in concrete



Recommended loads in C20/25 to C50/C60 concrete for single anchors[1)]

Anchor Type			WCA1	
Anchor size			6x40	6x65
Recommended load for all directions	F_{rec}	[kN]	1.43	1.43

1) Single anchors are anchors not affected by concrete edge and anchor spacing influence.
2) Recommended load includes 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.