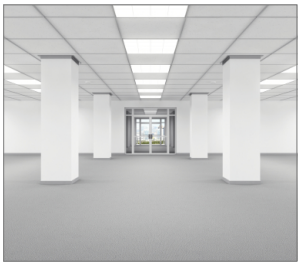
GS Ceiling wedge anchor

Ceiling wire hanger for lightweight ceilings and suspended ceilings to solid building materials



Approvals and Reports

- ETA 11/0268
- UKTA-22/6289

Product information

Features and benefits

- During installation, when the nail is flush with the head, it signifies the complete expansion of the anchor
- Steel body and pin ensure positive expansion and high safety in use
- Approved for installation in cracked and non-cracket concrete.
- Fire resistance class A1
- Reliable setting thanks to the simple visual check
- Impact expansion by hammer, no setting tool is needed

Applications

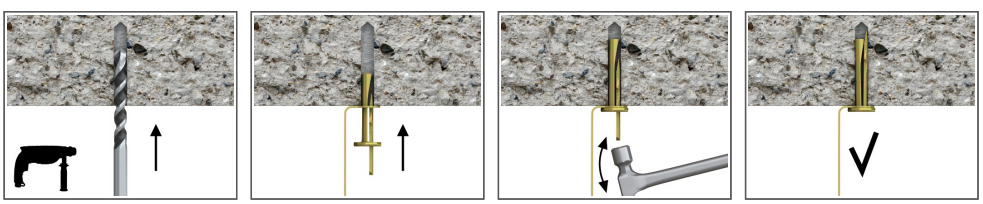
- Installation of lightweight ceilings and suspended ceilings
- Installation of coffered ceilings
- Installation of conduit and pipe clamps and other MEP applications
- Ventilation systems
- Metal roof profiles
- Punched straps

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Installation guide

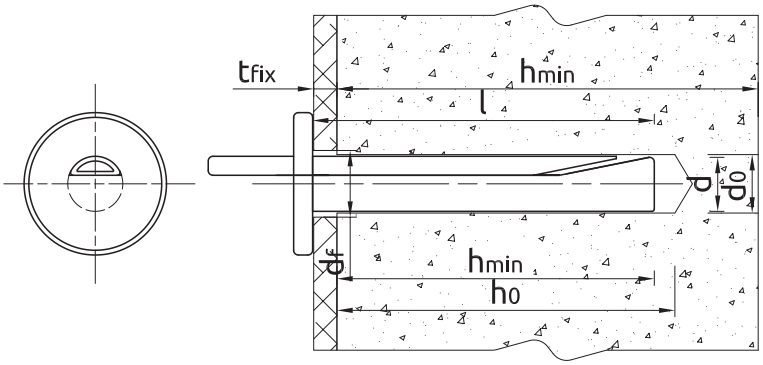


1. Drill a hole of required diameter and depth
2. Insert anchor through fixture into hole until fixing depth is reached.
3. Hammer-in the nail until flush with head.
4. Do not hit the expansion wedge at the stage.

Product information

Size	Product Code

Installation data



Size			Ø6
Hole diameter in substrate	d_0	[mm]	6
Min. hole depth in substrate	h_0	[mm]	40
Min. installation depth	h_{nom}	[mm]	32
Min. substrate thickness	h_{min}	[mm]	100
Min. spacing	s_{min}	[mm]	200
Min. edge distance	c_{min}	[mm]	150
Fixing diameter	d	[mm]	5.8

Basic performance data

Performance data for single fixing without influence of edge distance and spacing

Substrate		Cracked concrete	Non-cracked concrete
MEAN ULTIMATE LOAD $F_{Ru,m}$			
Ø06, Effective embedment depth 32 mm	[kN]	4.27	4.27
CHARACTERISTIC LOAD F_{Rk}			
Ø06, Effective embedment depth 32 mm	[kN]	3.00	3.00
DESIGN LOAD F_{Rd}			
Ø06, Effective embedment depth 32 mm	[kN]	2.00	2.00
RECOMMENDED LOAD F_{rec}			
Ø06, Effective embedment depth 32 mm	[kN]	1.43	1.43

Design performance data

Size

Resistance to tension and shear loads under fire exposure

Size			Ø6
R (for EI) = 30 min			
TENSION LOAD			
STEEL FAILURE			
Characteristic resistance	$N_{Rk,s}$	[kN]	0.66