

INSTALLED IN NO TIME – HOLLOW CEILING ANCHOR FHD-VII

THE ANCHOR THAT HOLDS YOUR LOAD.



Added value –
through economy
of time

•• Pre-spreading – no
need to hold fixture

HOLLOW CEILING ANCHOR FHD-VII

Zinc-coated steel.

The easy solution for fixings in pre-stressed hollow-core concrete slabs.

Already spreads to some extent when inserted – no need to hold fixture.

ADVANTAGES

- Simple and flexible use
- The metrical inner thread allows for use of customary screws or threaded rods
- **The collar prevents the anchor from slipping into the cavity**
- No special tools are required
- Instantly loadable
- For use in extremely narrow spaces

APPLICATIONS

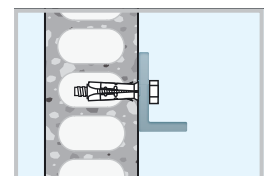
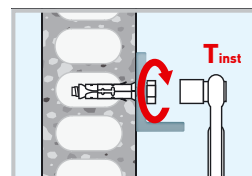
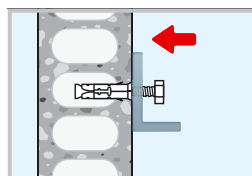
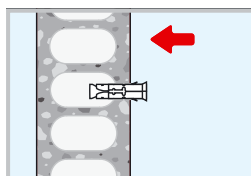
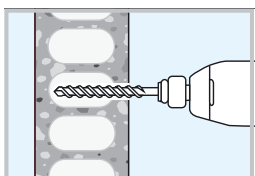
- Piping
- Ventilation lines
- Cable ducts
- Sprinkler systems
- Suspended ceilings
- Steel constructions
- Wooden constructions

APPROVALS

- European Technical Assessment for use in precast prestressed hollow core slabs for multiple use in non-structural applications
- Fire Protection Test F 120 is part of the assessment



INSTALLATION



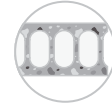


HOLLOW CEILING ANCHOR FHD-VII

Zinc-coated steel

The easy solution for fixings in pre-stressed hollow-core concrete slabs.

SUBSTRATES



Pre-stressed hollow-core concrete slabs

TECHNICAL DATA

FHD-VII-SZ Hollow-ceiling anchor, zinc-coated steel

Thread	Drill bit diameter mm	Drill hole depth mm	Anchorage depth mm	Sales unit/Pcs	Item no. FHD-VII-SZ
M6	10	≥45	38	100	113300868
M8	12	≥50	44	50	113300869
M10	16	≥60	53	25	113300870

LOADS AND PERFORMANCE DATA

Anchor size			M6	M8	M10	
Permissible tensile load (≥ C40/50 prestressed hollow core slab)	25 - 30 [mm]	N _{rec}	[kN]	1,39	2,78	3,15
	30 - 40 [mm]		[kN]	2,38	4,76	5,47
	> 40 [mm]		[kN]	3,17	3,70	5,55

INSTALLATION

Anchor size			M6	M8	M10
Drill hole diameter	Ød ₀	[mm]	10,0	12,0	16,0
Torque value during anchoring	T _{inst}	[mm]	10,0	20,0	30,0
Drill hole depth	h ₀	[mm]	≥45,0	≥50,0	≥60,0
Effective anchorage depth	h _{ef}	[mm]	38,0	44,0	53,0
Min. length of bolt	l _s	[mm]	t _{fix} + 40	t _{fix} + 46	t _{fix} + 55
Min. edge distance	c _{min}	[mm]	60,0	70,0	80,0
Min. spacing	s _{min}	[mm]	100,0	100,0	100,0

LOADS AND PERFORMANCE DATA UNDER FIRE STRESS

Anchor size			M6	M8	M10	
Minimum panel bottom thickness for fire resistance	d _b	[mm]	30	30	40	
Characteristic resistance in concrete for all load directions without lever arm						
Characteristic resistance in ≥C40/50 pre-stressed hollow-core concrete slabs ¹⁾	R30	F _{Rk,fi,30} ⁰	[kN]	0,20	0,37	0,87
	R60	F _{Rk,fi,60} ⁰	[kN]	0,18	0,33	0,75
	R90	F _{Rk,fi,90} ⁰	[kN]	0,14	0,26	0,58
	R120	F _{Rk,fi,120} ⁰	[kN]	0,10	0,18	0,46
Edge distance	R30-R120	C _{cr,fi}	[mm]	80	80	200
Spacing	R30-R120	S _{cr,fi}	[mm]	160	160	100

¹⁾ If no other national regulations exist, the partial safety factor γ_{res,fi} = 1,0 is recommended for the load-bearing capacity under fire load.