

AN-CU

Denomination: **CEILING ANCHOR**

Codes: **AN-CU**

Reference: **FT ANCU-en**

Date: **28/03/19**

Revision: **3**

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AN-CU

CHARACTERISTICS

- Wedge-type, hammer-drive, metal anchor.
- Used on solid base materials.
- Easy installation.
- Suitable for (static or almost static) medium loads.
- Tamper-proof solution.
- Installation through the element to be fixed.



APPLICATION EXAMPLES



- Examples: Suspensions from concrete ceilings attaching slit-steel straps, punched band, nonius system hanger or wood battens.

BASE MATERIAL



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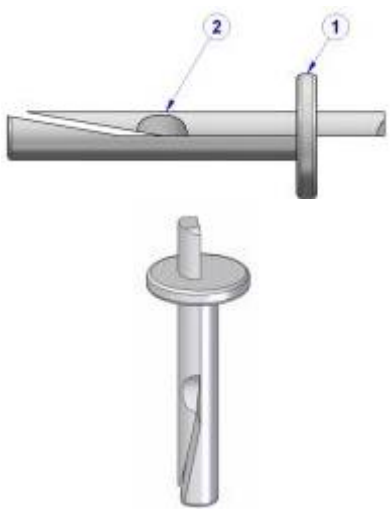
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1. RANGE

DENOMINATION	PHOTO		COATING	DESCRIPTION
AN-CU				Fixing element used in insulation panels, without nail.
ITEM	COMPONENT	MATERIAL		
1	BODY	Carbon steel class 4.8		
2	PIN	Carbon steel class 8.8		

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1.1 AN-CU

CEILING ANCHOR

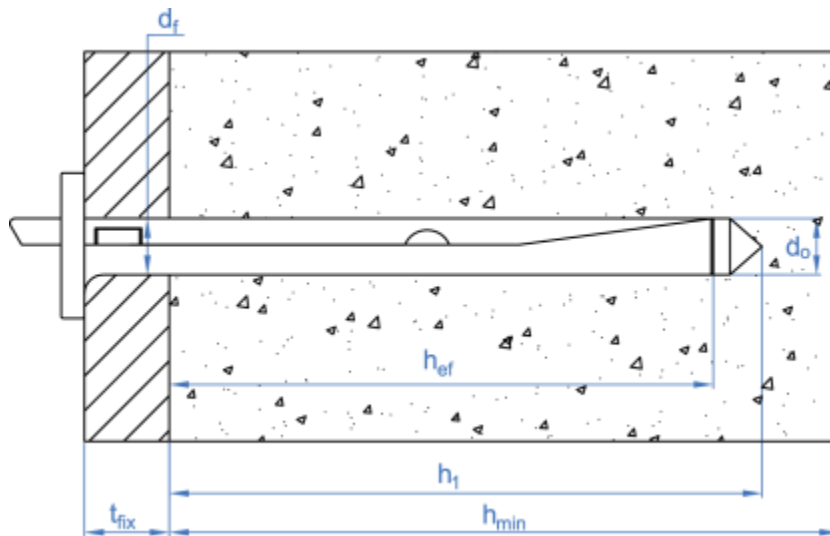


Material



Sizes

CODE			ANCU06040	ANCU06070
	Effective depth	$h_{ef} \geq$	[mm]	32
Thickness of fixture	t_{fix}	[mm]	0 - 5	0 - 35
Nominal diameter of drill bit	d_0	[mm]	6	
Depth of the drilled hole	$h_1 \geq$	[mm]	40	
Minimum thickness of base material	h_{min}	[mm]	80	
Minimum spacing	s_{min}	[mm]	200	
Minimum edge distance	c_{min}	[mm]	150	



RESISTANCES

CODE	Characteristic resistance all load directions (F_{Rk}) [kN]
ANCU06040	3,0
ANCU06070	
CODE	Design resistance all load directions (F_{Rd}) [kN]
ANCU06040	1,6
ANCU06070	
CODE	Maximum load recommended all load directions (F_{Rec}) [kN]
ANCU06040	1,2
ANCU06070	

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INSTALLATION PROCEDURE



Check the concrete base is compact and porosity is insignificant.

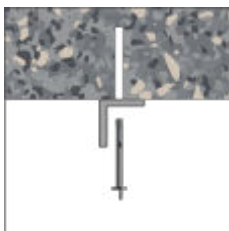
Drill to the specified diameter and depth values in previous table.

Use drill in hammer mode. In case of hollow materials do not use the hammer mode to prevent damages inside the base material. Reduce the speed when are about to finish the drill.



Clear the drill holes completely of dust and fragments.

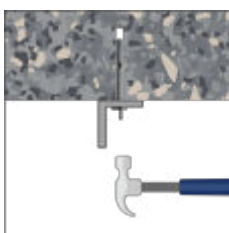
Use air pump and brush.



Set up the fixture and the anchor.

Hammer hit the flat surface on the top of the anchor as it shows the figure.

Avoid hitting the nail, otherwise the anchor won't expand as it should.



Once the anchor is in contact with the fixture, hit the anchor in the nail as its showed in the figure.

Insert the nail until the nail protrude at most 2,5 mm.

The anchor is set up.