

SCAFFOLDING ANCHORS

Denomination: **SCAFFOLDING ANCHORS**

Codes: ANFA23, ANFA51, ANFAZ50.

Reference: **FT ANFA-en**

Date: **08/3/19**

Revision: 3

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ANFA23



ANFA51



ANFAZ50



TCSO



ANTA

CHARACTERISTICS

- ◆ ANFAZ50 Scaffolding anchor to be fixed with AZAMC10 Ø10 zamak anchor.
- ◆ ANFA Scaffolding anchor to be fixed with Ø14 or Ø16 TCSO nylon plug.
- ◆ Scaffolding anchor with welded pressed eye with Ø23 mm diameter eye opening (ANFA23) or Ø51 mm eye opening (ANFA51).
 - ◆ Available in a wide range of lengths.
 - ◆ Mean values for anchor mechanical resistance.

APPLICATIONS

- ◆ Suitable for a wide range of base materials: concrete, stones, solid brick, hollow brick, etc.
 - ◆ Use: for scaffolding applications in walls, floors, etc...
- View Web profile:

BASE MATERIALS



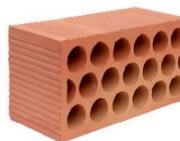
HORMIGÓN



BLOQUE HORMIGÓN HUECO



PIEDRA



LADRILLO HUECO



LADRILLO MACIZO



HORMIGÓN CELULAR

EXAMPLES OF USE



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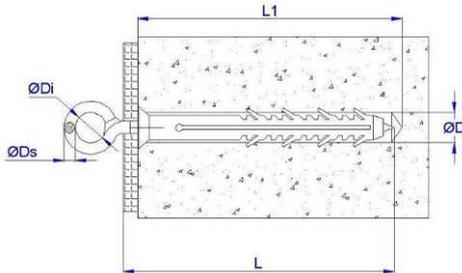
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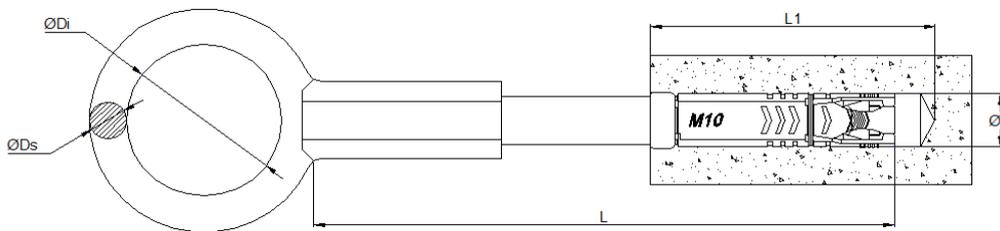
MATERIALES

ITEM	COMPONENT	MATERIAL	DESCRIPTION
ANFA	ANFAZ50	Zinc-plated steel	Façade anchor for fixing with AZAMC10 zamak anchor.
	ANFA23	Zinc-plated steel	Façade anchor for fixing with TCSO plug
	ANFA51		
TCSO	Nylon plug	Polyamide 6	Nylon plug in Ø14 or Ø16.
ANTA	Plug	Polyamide 6	Plug for anchor once uninstalled.

INSTALLATION DATA



Ds: shaft diameter.
Di: interior diameter of anchor eye.
D: drill-hole diameter.
L: anchor length.
L1: drill-hole depth.



CODE Anchor	Anchor measurement [mm]	CODE Plug	Ø Ds [mm]	Ø Di [mm]	Ø D [mm]	L [mm]	L1 [mm]
ANFAZ5021	M10x210	AZAMC10	12	50	16	210	130
ANFAZ5027	M10x270	AZAMC10	12	50	16	270	180
ANFA2309	12x90	TCSO14075 - TCSO14100	12	23	14	90	100
ANFA2312	12x120	TCSO14075 - TCSO14100	12	23	14	120	150
ANFA2316	12x160	TCSO14075 - TCSO14100	12	23	14	160	170
ANFA2319	12x190	TCSO14075 - TCSO14100	12	23	14	190	200

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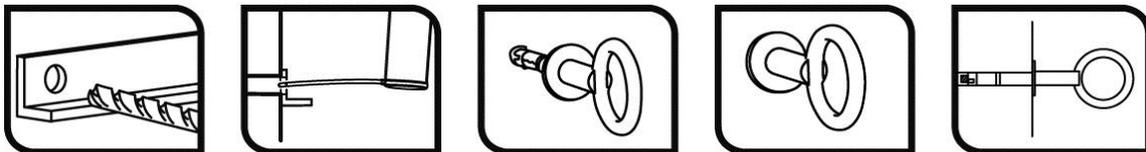
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CODE Anchor	Anchor measurement [mm]	CODE Plug	∅ Ds [mm]	∅ Di [mm]	∅ D [mm]	L [mm]	L1 [mm]
ANFA2323	12x230	TCSO14075 - TCSO14100	12	23	14	230	240
ANFA2330	12X300	TCSO14075 - TCSO14100	12	23	14	300	310
ANFA2335	12X350	TCSO14075 - TCSO14100	12	23	14	350	360
ANFA5114	12X140	TCSO14075 - TCSO14100	12	51	14	140	150
ANFA5116	12x160	TCSO14075 - TCSO14100	12	51	14	160	170
ANFA5120	12x200	TCSO14075 - TCSO14100	12	51	14	200	210
ANFA5124	12x240	TCSO14075 - TCSO14100	12	51	14	240	250

INSTALLATION PROCEDURE



- ◆ Drill to the diameter and depth specified in the table. In the case of hollow materials, do not use the hammer function to prevent causing damage to the interior of the base material. Reduce drilling speed when it is sensed the drill bit is approaching the inside hollow of the base material.
- ◆ Clear drillhole of dust and fragments.
- ◆ Insert corresponding plug.
- ◆ Insert and screw in the ANFA scaffolding anchor.
- ◆ Once work is finished, uninstall the ANFA scaffolding anchor and insert ANFATA plug.

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CHARACTERISTIC RESISTANCES

Characteristic resistance* for an individual anchor (without the effects of critical edge distance or critical anchor spacing) is that indicated in kg in the following table:

CODE Anchor	CODE Plug	N concrete traction C20/25 [kg]	N brick tension [kg]	V shear concrete C20/25 [kg]
ANFAZ5021	AZAMC10	1400	70	<u>110</u>
ANFAZ5027	AZAMC10	1400	70	<u>80</u>
ANFA2309	TCSO14075 - TCSO14100	300	70	---
ANFA2312	TCSO14075 - TCSO14100	300	70	---
ANFA2316	TCSO14075 - TCSO14100	300	70	---
ANFA2319	TCSO14075 - TCSO14100	300	70	---
ANFA2323	TCSO14075 - TCSO14100	300	70	---
ANFA2330	TCSO14075 - TCSO14100	300	70	---
ANFA2335	TCSO14075 - TCSO14100	300	70	---
ANFA5114	TCSO14075 - TCSO14100	300	70	---
ANFA5116	TCSO14075 - TCSO14100	300	70	---
ANFA5120	TCSO14075 - TCSO14100	300	70	---
ANFA5124	TCSO14075 - TCSO14100	300	70	---

* The characteristic resistance of an anchor is that of a 95% probability of being surpassed in a breakage test. It depends on the average breakage resistance values, on the number of tests performed and on result dispersion.

RECOMMENDED SAFETY COEFFICIENTS

SAFETY COEFFICIENT	RESISTANCE REDUCTION COEFFICIENT		LOAD INCREMENT COEFFICIENTS
	CONCRETE FAILURE	<u>STEEL FAILURE</u>	
Concrete	1,80	<u>1.25</u>	1,4
Hollow and solid brick	2,50	---	