TECHNICAL DATA SHEET

ANCHOR FOR VENTILATED FAÇADES

Denomination: **ANCHOR FAÇADES**	Codes: **AVR, AVC**		
Reference: **FT AV-en**	Date: **12/01/16**	Revision: 2	Page: **1 of 5**

AVR

AVC

CHARACTERISTICS

- Corrugated rod (AVC) and Threaded rod (AVR) versions available, in A2 stainless steel (AISI 304).
- Fixing system consisting of fixing the end of the rod to the wall using a chemical anchor. The use of a sleeve is recommended when working with hollow materials. The stone is fixed by the flat part of the anchor and the bolt.
- Use with the following chemical anchors:
  - MOPOLY, with European Approval ETA 13/0752 (use in concrete).
  - MOPOSE, with European Approvals ETA 13/0571 (use in concrete) and ETA 12/0306 (use in masonry).

APPLICATIONS

- Anchor for fixing stone panels and facings to façades.

See Web profile:

BASE MATERIALS

CONCRETE | CONCRETE BLOCK | HOLLOW BRICK | SOLID BRICK | STONE

APPLICATION EXAMPLES

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TYPES

AVR — VRA2 Threaded Anchor for Façades + Bolt

Properties

A2 INOX AISI 304

A2 Stainless Steel

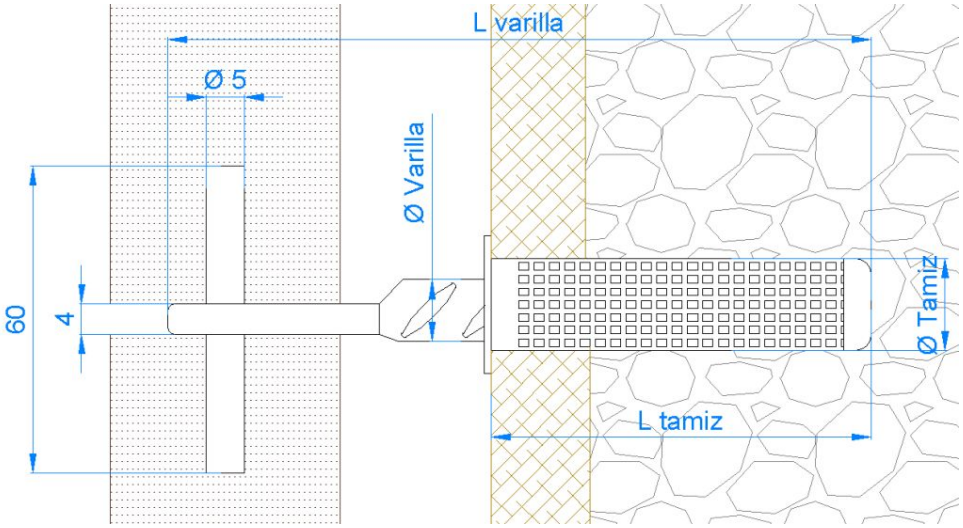
AVC — VCA2 Threaded Anchor for Façades + Bolt

Properties

A2 INOX AISI 304

A2 Stainless Steel

INSTALLATION DATA



ANCHOR FOR VENTILATED FAÇADES

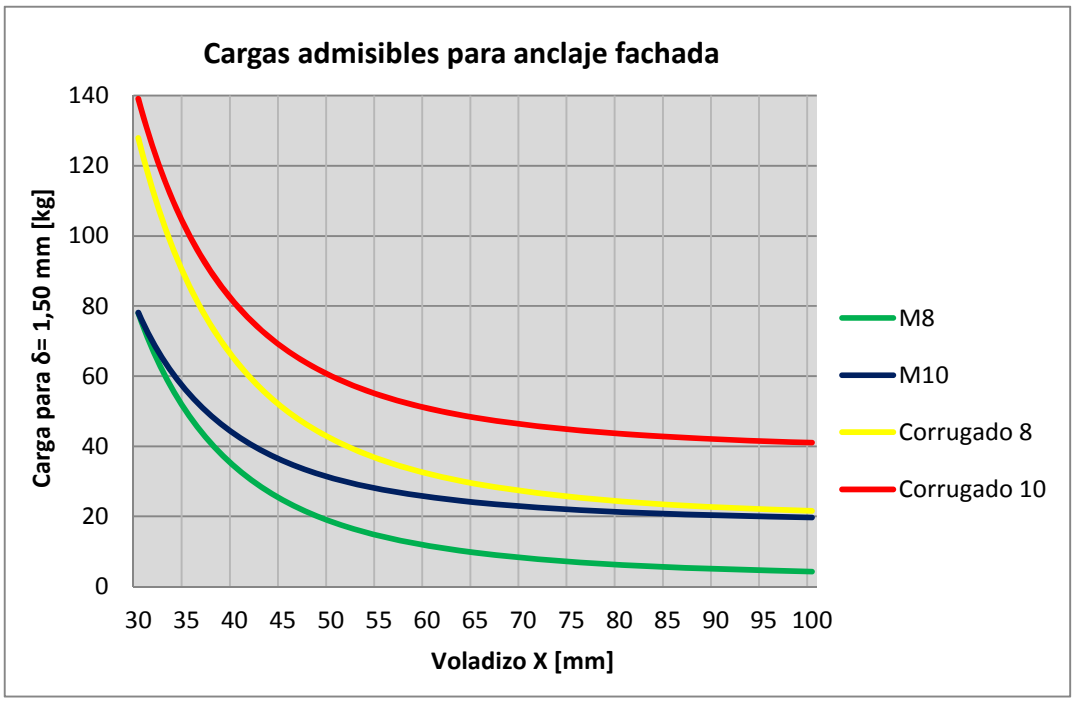
Code	Rod Type	Rod [mm]	Bolt [mm]	Ø Drillhole/depth	Sleeve	Chemical Mortar
AVC08120	Corrugated	Ø 8 x 120	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	MOPOLY MOPOSE
AVC08150		Ø 8 x 150	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	
AVC10120		Ø 10 x 120	Ø 5 x 60	Ø 15x90	Ø 15x85	
AVC10150		Ø 10 x 150	Ø 5 x 60	Ø 15x90 Ø 15x135	Ø 15x85 Ø 15x130	
AVC10180		Ø 10 x 180	Ø 5 x 60	Ø 15x90 Ø 15x135	Ø 15x85 Ø 15x130	
AVR08120	Threaded	M 8 x 120	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	MOPOLY MOPOSE
AVR08150		M 8 x 150	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	
AVR10120		M 10 x 120	Ø 5 x 60	Ø 15x90	Ø 15x85	
AVR10150		M 10 x 150	Ø 5 x 60	Ø 15x90 Ø 15x135	Ø 15x85 Ø 15x130	
AVR10180		M 10 x 180	Ø 5 x 60	Ø 15x90 Ø 15x135	Ø 15x85 Ø 15x130	

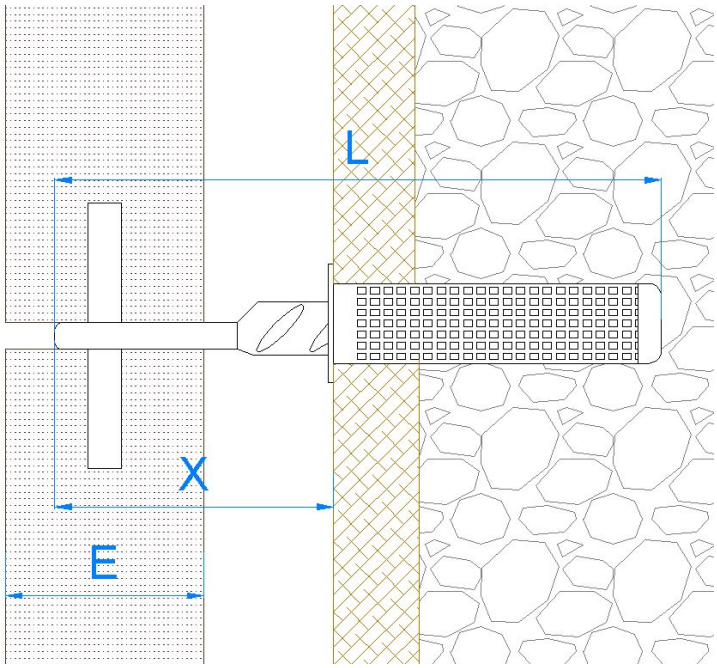
INSTALLATION PROCEDURE

- Pre-drill the lower panel to Ø 5 x 30, approximately half the panel thickness.
- Drill base material to the diameter and depth specified in the table.
- Clear drill-hole of dust and fragments.
- If using hollow materials, position the sleeve.
- Inject the chemical anchor into the drill-hole, filling it half-full for solid materials or filling the sleeve completely when using hollow materials.
- Position panel on lower supports, provisionally fixing it by the upper part until the upper fixing is in place.
- Insert the threaded or corrugated rod so that its lower side rests in the upper side of the panel.
- Place the Ø 5 bolt through the hole in the rod, holding the stone panel in place.
- Repeat the process until corresponding panelling is completed.

RESISTANCES

The fixing system limiting parameter is rod displacement once installed and the load applied. The following table shows the maximum load values on the anchor tip depending on lever arm and rod type, with a maximum admissible displacement of 1.5mm.





X: Anchor lever arm

E: Panel thickness E>30 mm

L: Anchor length

Maximum load for displacement in δ end= 1.5 mm [kg]				
Lever Arm [mm]	**M8**	**M10**	**Corrugated 8**	**Corrugated 10**
30	77,9	78,1	127,9	139,1
35	49,9	55,9	87,4	101,8
40	34,1	43,4	64,7	80,8
45	24,6	35,9	51,0	68,1
50	18,6	31,0	42,2	60,1
55	14,5	27,8	36,3	54,6
60	11,7	25,6	32,2	50,9
65	9,6	24,0	29,3	48,2
70	8,2	22,8	27,2	46,2
75	7,0	21,9	25,6	44,7
80	6,2	21,2	24,3	43,6
85	5,5	20,7	23,4	42,7
90	5,0	20,3	22,6	42,0
95	4,6	20,0	22,0	41,5
100	4,2	19,7	21,5	41,0