

TECHNICAL DATA SHEET

ANCHOR FOR VENTILATED FAÇADES

Denomination: **ANCHOR FAÇADES**

Codes: AVR, AVC

Reference:

Date: **09/07/21**

Revision: 3

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FML



FMC

CHARACTERISTICS

APPLICATIONS

- Anchor for fixing stone panels and facings to façades.

BASE MATERIALS



CONCRETE



CONCRETE BLOCK



HOLLOW BRICK



SOLID BRICK



STONE

APPLICATION EXAMPLES



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TYPES

FML

MLA2 Threaded Anchor for Façades + Bolt



Properties



A2 Stainless Steel

FMC

MCA2 Threaded Anchor for Façades + Bolt

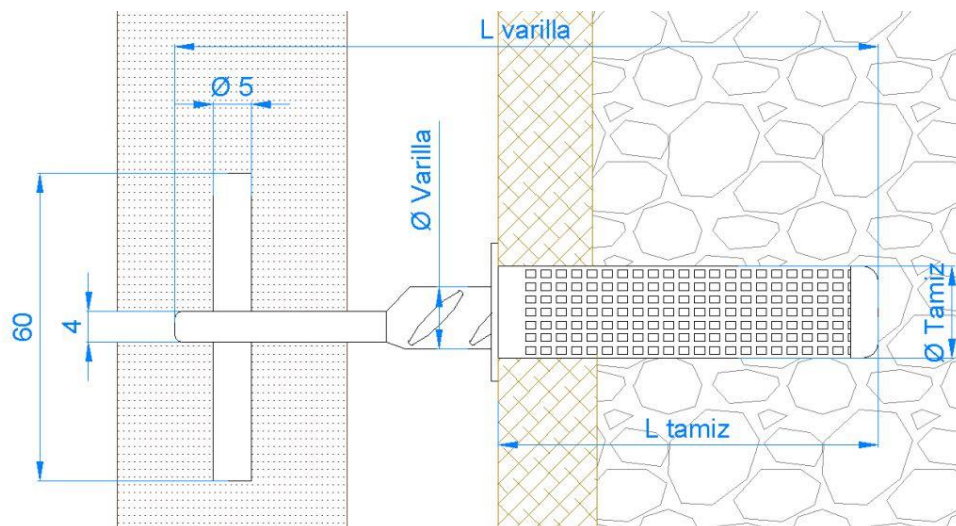


Properties



A2 Stainless Steel

INSTALLATION DATA



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Code	Rod Type	Rod [mm]	Bolt [mm]	Ø Drillhole/depth	Sleeve	Chemical Mortar
FMC08120	Corrugated	Ø 8 x 120	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	MO-P MO-PS
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	
FMC10150		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	
FML08120	Threaded	M 8 x 120	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	MO-P MO-PS
AVR08150		M 8 x 150	Ø 5 x 60	Ø 12x55 Ø 15x90	Ø 12x50 Ø 15x85	
FML10120		M 10 x 120	Ø 5 x 60	Ø 15x90	Ø 15x85	
FML10150		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.

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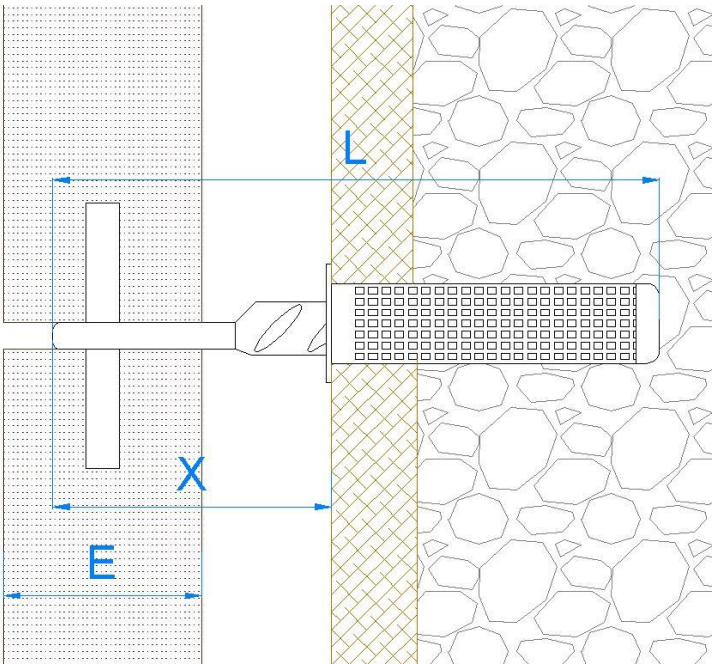
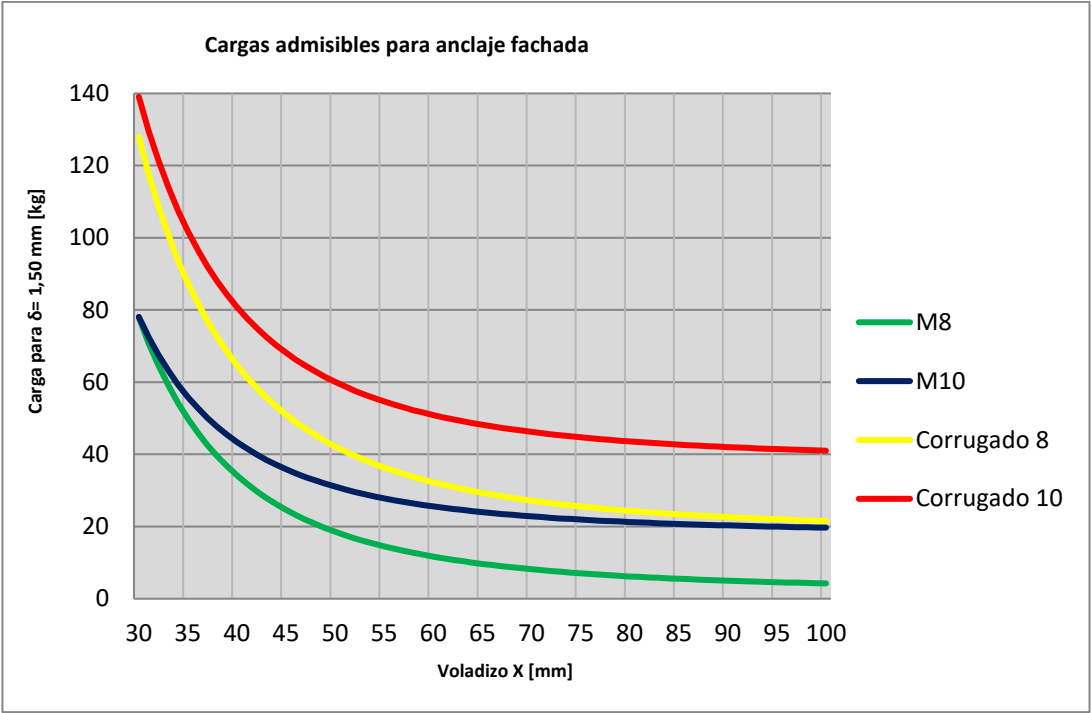
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RESISTANCES

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

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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