fischer

FFA.
The nylon specialist for aerated concrete.

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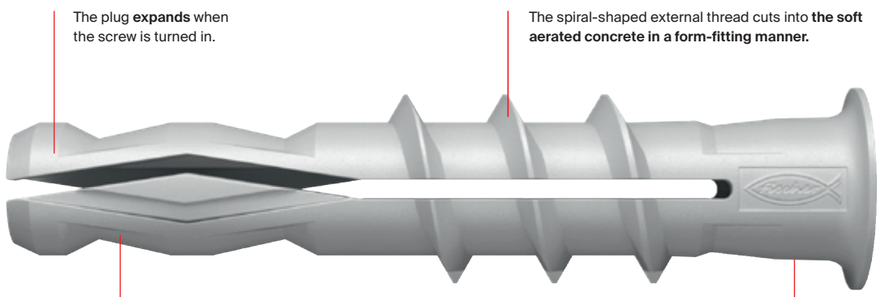


Function

- The FFA is suitable for pre-positioned installation.
- The aerated concrete plug taps itself into the aerated concrete with a positive fit during the installation process.
- When turning in the screw, the plug expands and anchors itself in the building material.
- The required screw length is given by the plug length + fixture thickness + screw diameter.
- Suitable for wood screws, chipboard screws and metric screws.
- Use rotary drilling to create the drill hole.

Approvals / Characteristics

★★★★★
Nylon Quality

Applications


Mirrors


Book shelves

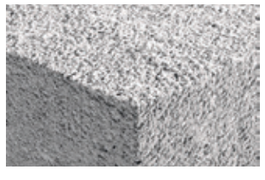

Radiators

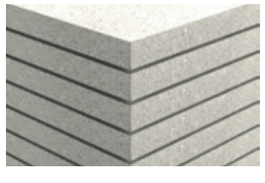

TV consoles

More applications

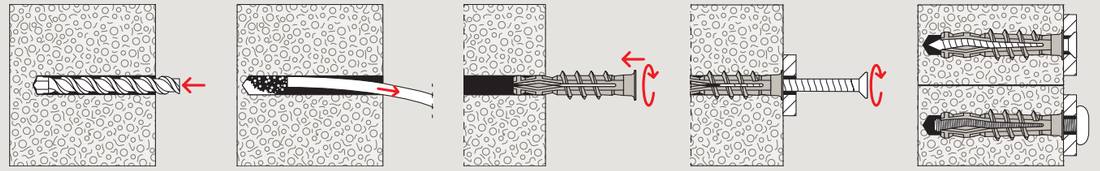
- Pictures
- Lamps
- Hanging cabinets
- Wallboxes
- Curtain rods
- Trellis
- Signs
- Cable and pipe clamps
- Downpipes

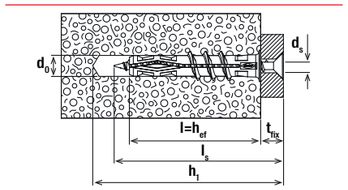
Building materials


Aerated concrete


Solid panel made from gypsum

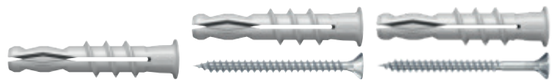
Installation FFA





Technical data

Aerated concrete plug FFA



FFA | FFA 8 S | FFA 10 S

Item	Item no.	Drill diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Plug length = min. anchorage depth $l = h_{ef}$ [mm]	Plug drive	Wood and chipboard screws d_s [mm]	Metric screw M	Screw dimension $d_s \times l_s$ [mm]	Drive	Max. fixture thickness t_{fix} [mm]	Sales unit [pcs]
FFA 8	**578981**	8	60	50	TX40	4.0 - 6.0	M4 - M5	–	–	–	30
FFA 8 S	**578988**	8	60	50	TX40	–	–	5.0 x 60	TX20	5	15
FFA 10	**578982**	10	80	62	TX40	5.0 - 7.0	M6	–	–	–	30
FFA 10 S	**578989**	10	80	62	TX40	–	–	6.0 x 80	TX30	10	15
FFA 14	**578983**	14	90	70	SW 8	7.0 - 10.0	M8	–	–	–	20

Loads

Aerated concrete plug FFA

Recommended loads[1] for a single anchor in aerated concrete and gypsum blocks.
The given loads are valid for screws with the specified diameter and metric screws with the specified thread size.

Type			FFA 8		FFA 10		FFA 14	
Screw diameter		[mm]	6.0	M5	6.0	M6	10.0	M8
Min. edge distance	c_{min}	[mm]	100	100	150	150	200	200
Recommended load in the respecative base material F_{empf} [2]								
Aerated concrete	AAC 2 ≥ 2.5 N/mm²	[kN]	0.24	0.19	0.26	0.23	0.44	0.37
Aerated concrete	AAC 4 ≥ 5.0 N/mm²	[kN]	0.51	0.35	0.56	0.56	0.90	0.67
Aerated concrete	AAC 6 ≥ 7.5 N/mm²	[kN]	0.71 [3]	0.55 [3]	0.88 [3]	0.87 [3]	1.52 [3]	0.74 [3]
Gypsum block	ρ ≥ 0.85 kg/dm³	[kN]	0.54	0.41	0.61	0.72	0.98	0.63

[1] Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).
[2] Valid for tensile load, shear load and oblique load under any angle.
[3] Loads are valid for plastered aerated concrete. For unplastered aerated concrete, the loads must be reduced by 60% and a larger drill diameter is recommended: FFA 8 ø 10 mm, FFA 10 ø 12 mm. FFA 14 ø 16 mm.