

FIXING WITH HELICAL BARS FOR STRUCTURAL REINFORCEMENTS



Features

The FHD fastening system is used for anchoring steel helical bars in structural reinforcements. The fixing consists of a cylindrical plug that ends with a flange from which emerge two little wings, ensuring speed and ease of installation. The construction of polypropylene loaded with fiberglass ensures a high impact and erosion resistance, excellent durability and high thermal resistance.

Applications

- Connections for structural reinforcement systems by band plating;
- Connections for structural reinforcement systems by diffuse plating;
- Mechanical anchors for guidance systems for floors with breakthrough problems;
- Seams of facade coverings;
- Roll-over connections for infill walls.

Installation

First, a pilot hole must be made: it has to be of appropriate width and depth equal to the length of the helical bar that will be used in the seam.

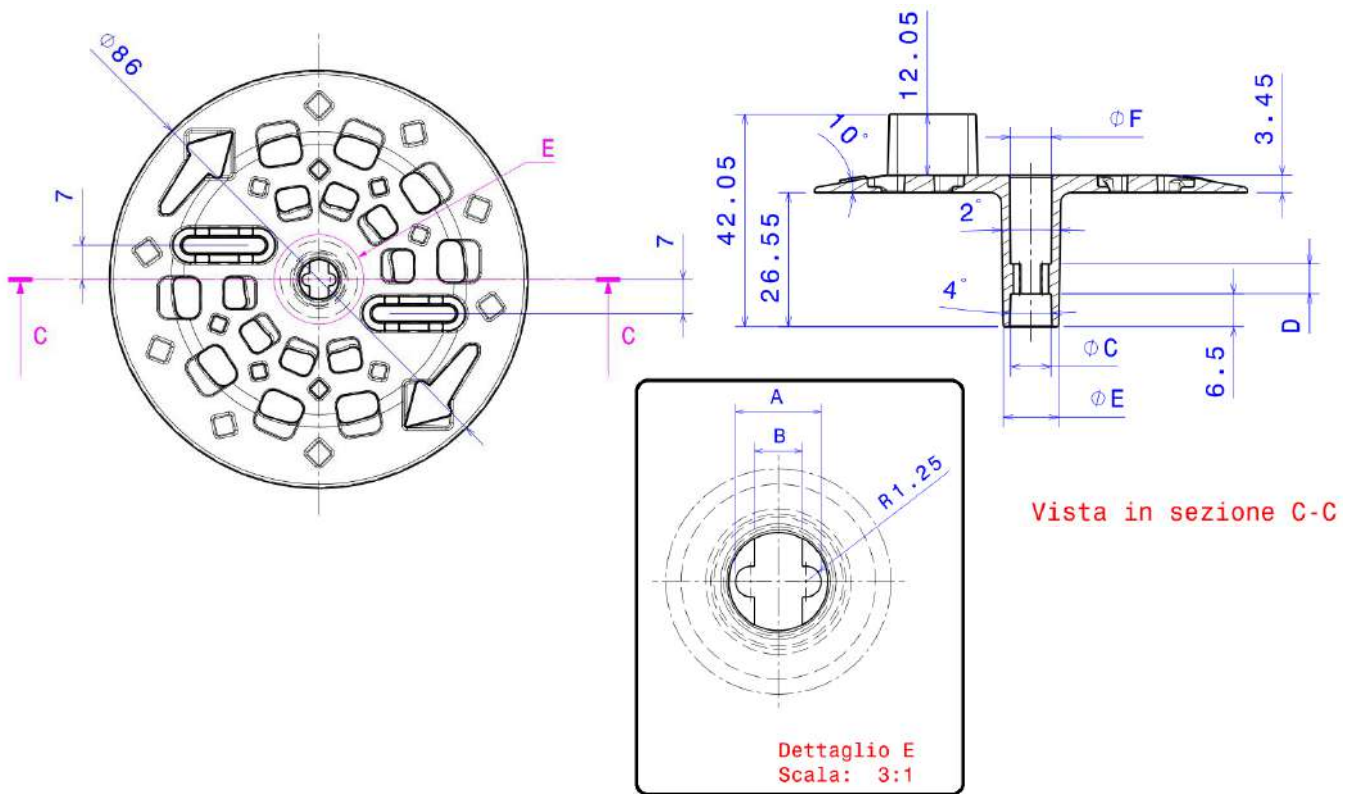
Once the helical bar is installed inside the hole, the FHD plug can be applied using the fins in the screwing operation. Once the screwing is finished, the fins must be removed. Now the end of the hole can be stuccoed with epoxy mineral matrix or mortar suitable for the function of the type of coating.

Now the FHD plug can be fully covered, in order to ensure the best hole sealing and a proper adhesion between the helical bar and the substrate in the initial part.

Rev. 1 06/09/2021 In order to improve the products, Bartolucci reserves the right to modify, at any time and without notice, the data contained in this document.



Material: Polypropylene PP Fiberglass 30%.



Vista in sezione C-C

Technical Data:

Code	A	B	C	D	E	F	Ø Disk
FHD08	7	3,9	8	5,9	11	8,41	86
FHD10	9	5,9	10,2±0,15	7,9	13,4±0,1	10,45±0,1	87

Note: all measurements are in millimeters unless otherwise indicated.

Loads:

Load type	Permissible tensile load of a single plug
Tensile strenght	0,9 kN

Note: 1 kN = 100 kgf

WE RECOMMEND USING APPROPRIATE SAFETY COEFFICIENTS.

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