**FHD : Washers for fixing reinforcement mesh to helical bars**

## Features

The FHD fixing system is an accessory used for anchoring reinforcement mesh with steel helical bars. The fixing consists of a cylindrical dowel that ends with a flange from which two wings emerge that facilitate screwing, ensuring speed and ease of installation. The construction in polypropylene loaded with glass fiber guarantees considerable resistance to impacts and excellent durability in alkaline environments.

## Applications

- Connections for structural reinforcement systems.
- Mechanical anchors for support systems for floors with sagging problems.
- Seams of reinforcements for facade cladding.
- Anti-tipping connections for infill walls.

## Installation instructions

1) Make the hole in the wall with a drill bit of a diameter suitable for installing the helical bar (consult the technical data sheet of the helical bar manufacturer) to a depth sufficient to accommodate the length of the bar according to the project.

2) Insert the helical bar using the appropriate tool (consult the technical data sheet of the helical bar manufacturer).

3) Place the reinforcement mesh according to the instructions of the person in charge of the works.

4) Screw the FHD washer into the protruding part of the helical bar.

5) Tighten the washer with the mesh using the appropriate screwing tabs.

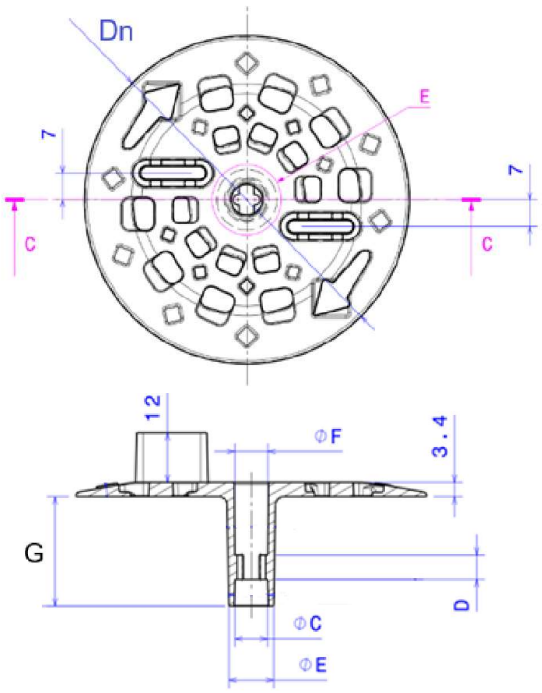
6) Once all the washers have been fixed, proceed to detach the fins with wire cutters.

7) Proceed to pour the binding mortar by spraying or by roughcasting.

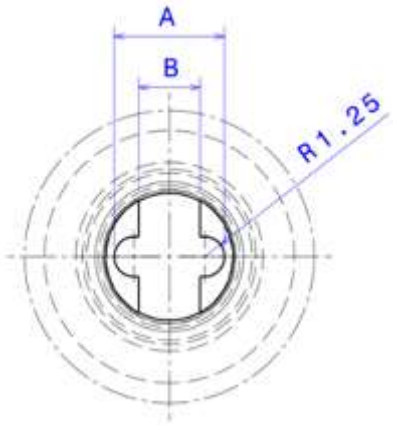
## Material

PP30GF, Polypropylene with 30% glass fibre compliant with REACH and RoHS directives.

## Technical Data




Detail E




| Code | A | B | C | D | E | F | G | Dn |
|---|---|---|---|---|---|---|---|---|
| FHD08-XS | 7 | 3,9 | 8,4 | 5,9 | 11,3 | 8,4 | 10 | 87 |
| FHD08 | 7 | 3,9 | 8,4 | 5,9 | 11,3 | 8,4 | 25 | 87 |
| FHD10 | 9 | 5,9 | 10,2 | 7,9 | 13,4 | 10,5 | 25 | 87 |
| FHD12 | 11 | 7,9 | 12 | 9,9 | 15,5 | 12,5 | 25 | 87 |

Note: All dimensions are in millimeters.

## DoP - Loads

Pullout strength of a single washer by applying a tensile force to the head (the contribution in work determined by the mortar and the bending of the helical bar is not considered).

Nrk = 0,9 kN (1 kN = 100 kgf)

WARNING: ADOPT AN APPROPRIATE SAFETY COEFFICIENT.

The limit resistance values were determined through tests carried out in the internal BARTOLUCCI laboratory.

## Packaging :

Industrial Carton

| Cod. | Description | Pz. X Cartone ind. |
|---|---|---|
| FHD08-XS-I100 | Rondella per barra elicoidale D8 extra corto | 100 |
| FHD08-I100 | Rondella per barra elicoidale D8 | 100 |
| FHD10-I100 | Rondella per barra elicoidale D10 | 100 |
| FHD12-I100 | Rondella per barra elicoidale D12 | 100 |

EURO Pallet 80x120 maximum height 1,45 meters.

## Usage

Store in the original packaging in a covered and dry place.

## Safety Instructions

According to the current European regulations, the articles in question do not require a Safety Data Sheet (Reg.1906/2007/CE - REACH). During application, the use of gloves, dust mask and protective glasses is recommended. Follow the safety regulations in place in the workplace.

## Warnings

The data reported correspond to our current technical and applicative knowledge for an appropriate use of the product and are to be considered, in any case, indicative and general, therefore not binding for the same. It is recommended to carry out a preliminary practical test in order to verify the suitability of the product in relation to the intended use, purpose and its use. The purchaser is responsible for verifying the suitability of the products described in this document for the use and purposes it intends.