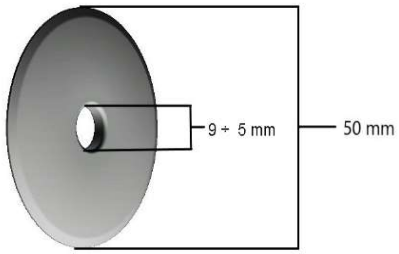
FRT: Fixing washer for sheets, panels and anti-shatter applications



Features

The FRT washer is a grey PA6 disc that can be combined with various fastening systems. Its limited thickness allows for quick execution of the seat for installations that require a flush finish.
Thanks to its slightly rounded shape, the FRT is characterised by considerable sturdiness and can also be used for structural reinforcement applications such as anti-shatter. The tightening of the self-tapping screw or the hammer plug, inserted in the central seat of the disc, creates the right pressure for fastening insulating panels. It can be used with THROUGH or NON-THROUGH fixing plugs.

Advantages

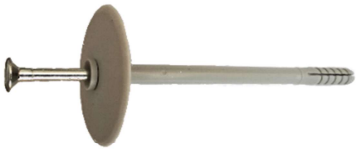
- Good Resistant.
- Moisture and corrosion resistant.
- Resistant to external agents.

Material

Polyamide PA6 grey RAL 7035 compliant with REACH and RoHS directives.

Applications

With self-tapping screw for wood fixing.



With D8 hammer fixing.

With through-fixing for D8 frames anchor.

With 4-sector Nylon universal dowel.

With classic fixing.

Installation

Installation depends on the type of fastening with which the disc is coupled and the desired final finish. The Bartolucci technical office is available to analyze and provide advice on specific problems.

Fixable thickness

The fixable thickness depends on the type of fastening with which the disc is coupled.

Loads

The anchorage holding loads depend on the combination of the type of anchor, screw and support. The washers have a holding load determined by the size of the screw head with which it is coupled and by the performance of the material with which it is made. For caution, consider the minimum value of the two values (anchor and washer).

The limit resistance values have been determined through tests carried out in the internal BARTOLUCCI laboratory. The recommended values take into account a suitable safety coefficient in static load conditions. The resistance capacity of an isolated anchor to bending stresses is poor, so its application is not recommended.

If there are situations subjected to dynamic stresses, the application must be tested for each specific situation.

RECOMMENDED loads

(1kN ≈ 100 kg forza)

Code	Hole diameter [mm]	Screw diameter [mm]	Screw Head [mm]	Nracc (pullout washer)
FRT50MM-DF055	5	5	Testa svas. 7mm	0,4 kN
FRT50MM-DF088	9	6	Testa svas. 12mm	0,5 kN

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.

Packaging

Boxes

Code	Descrizione	Ø head (mm)	Ø internal (mm)	pieces / box	box / Carton	Carton / pallet	Pieces / pallet
FRT50MM-DF055	washer	50	5	50	24	30	36000
FRT50MM-DF088	washer	50	9	50	24	30	36000

EURO pallet 80x120 maximum height 1,95 meters.

Use

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.