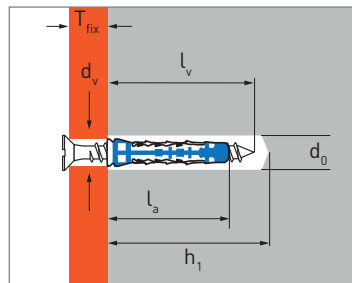


Bi-material high strength plastic anchor  
for multimaterial use in concrete, solid masonry,  
hollow masonry brick and hollow concrete block



## APPLICATIONS

- Light-duty application
- Light shelves fixing
- Equipment and lighting
- Furniture

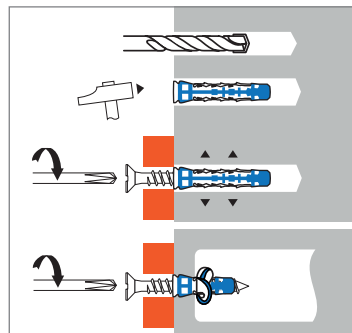
## MATERIAL

**Sleeve:** Nylon PA6.6 T.E.I.M.  
Nylon PA6 FG-B 10

**Screw:** galvanized electrolytically with  
a thickness (5 µm)

**Screw head:** PZ2

## INSTALLATION



Drill the hole with the recommended  
diameter and clean the hole.

Set the anchor sleeve inside the hole.

Tight the screw up to the fixture  
surface by using the prescribed  
tightening torque.

## INSTALLATION TEMPERATURE

**Installation temperature:**

-0°C ÷ +40°C

**Working temperature:**

-20°C ÷ +70°C

## Technical Data

| Anchor size     | Max. Fixable thickness<br>(mm)<br>$t_{fix}$ | Drilling depth<br>(mm)<br>$h_1$ | Ø Drilling<br>(mm)<br>$d_0$ | Ø screw thread<br>(mm)<br>$d_s$ | Anchor length<br>(mm)<br>$l_a$ | Screw length<br>(mm)<br>$l_v$ | Code   |
|-----------------|---------------------------------------------|---------------------------------|-----------------------------|---------------------------------|--------------------------------|-------------------------------|--------|
| BLUEFIX 5x30    | -                                           | 40                              | 5                           | -                               | 30                             | 40+t <sub>fix</sub>           | 568284 |
| BLUEFIX 5x30/VA | 5                                           | 40                              | 5                           | 3,5                             | 30                             | 40                            | 565539 |
| BLUEFIX 6x35    | -                                           | 50                              | 6                           | 3,5/4,5                         | 35                             | 50+t <sub>fix</sub>           | 568286 |
| BLUEFIX 6x35/VA | 10                                          | 50                              | 6                           | 4,5                             | 35                             | 50                            | 565540 |
| BLUEFIX 6x35/KS | 5                                           | 50                              | 6                           | 4,5                             | 35                             | 45                            | 568179 |
| BLUEFIX 8x50    | -                                           | 65                              | 8                           | 4,5/6                           | 50                             | 60+t <sub>fix</sub>           | 568287 |
| BLUEFIX 8x50/VA | 10                                          | 65                              | 8                           | 5                               | 50                             | 60                            | 565541 |
| BLUEFIX 8x50 HS | 10                                          | 65                              | 8                           | 5                               | 50                             | 60                            | 568172 |

## Ultimate loads ( $N_{Ru,m}$ )

| TENSION [kN]                         |     |     |     |
|--------------------------------------|-----|-----|-----|
| Anchor size \ Base material          | Ø 5 | Ø 6 | Ø 8 |
| Embedment depth (mm)                 | 30  | 35  | 50  |
| Concrete (C20/25)                    | 1,5 | 1,5 | 1,6 |
| Solid brick                          | 1,7 | 1,7 | 2,2 |
| Hollow masonry brick (Doppi UNI)     | 1,3 | 2,0 | 2,2 |
| Hollow masonry brick (Poroton)       | 1,2 | 2,3 | 2,3 |
| Hollow concrete block                | 1,5 | 1,5 | 2,1 |
| Aerated concrete AAC 5               | -   | 0,7 | 1,0 |
| Plasterboard - Single wall - 12,5 mm | 0,5 | 0,6 | 1,0 |
| Plasterboard - Double wall - 25 mm   | -   | 0,6 | 1,1 |

These values are obtained from laboratory tests on isolated anchors without edge or group effects

## Recommended loads ( $N_{Rec}$ )

$$N_{rec} = \frac{N_{u,m}}{\gamma_{**}}$$

\* Average ultimate loads from laboratory tests

\*\* Safety factor defined using a simplified approach and considered to be 5

| TENSION [kN]                         |     |     |     |
|--------------------------------------|-----|-----|-----|
| Anchor size \ Base material          | Ø 5 | Ø 6 | Ø 8 |
| Embedment depth (mm)                 | 30  | 35  | 50  |
| Concrete (C20/25)                    | 0,3 | 0,3 | 0,3 |
| Solid brick                          | 0,3 | 0,3 | 0,4 |
| Hollow masonry brick (Doppi UNI)     | 0,3 | 0,4 | 0,4 |
| Hollow masonry brick (Poroton)       | 0,2 | 0,5 | 0,5 |
| Hollow concrete block                | 0,3 | 0,3 | 0,4 |
| Aerated concrete AAC 5               | -   | 0,1 | 0,2 |
| Plasterboard - Single wall - 12,5 mm | 0,1 | 0,1 | 0,2 |
| Plasterboard - Double wall - 25 mm   | -   | 0,1 | 0,2 |

Maximum recommended loads for a single anchor without group or edge effects.  
Loads given are valid only for screws in assortment.