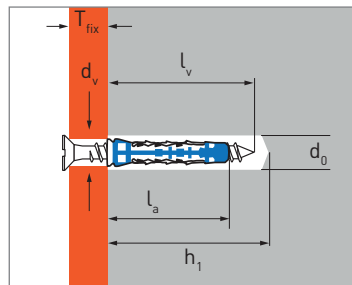


Bi-material high strength plastic anchor
for multimaterial use in concrete, solid masonry,
hollow masonry brick and hollow concrete block



APPLICATIONS

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

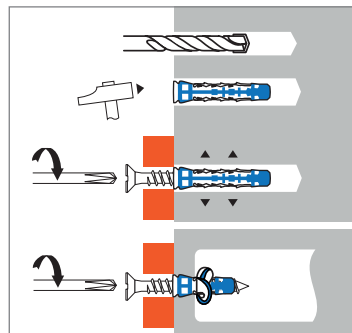
MATERIAL

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 (mm) t_{fix}	Drilling depth (mm) h_1	Ø Drilling (mm) d_0	Ø screw thread (mm) d_s	Anchor length (mm) l_a	Screw length (mm) l_v	Code
BLUEFIX 5x30	t_{fix}	45	5	3,5 – 4,0	30	40+ t_{fix}	568284
BLUEFIX 5x30/VA	5	45	5	3,5	30	40	565539
BLUEFIX 6x35	t_{fix}	50	6	3,5 – 4,5	35	45+ t_{fix}	568286
BLUEFIX 6x35/VA	5	50	6	4,5	35	45	565540
BLUEFIX 6x35/KS	5	50	6	4,5	35	45	568179
BLUEFIX 8x50	t_{fix}	65	8	4,5 – 6	50	60+ t_{fix}	568287
BLUEFIX 8x50/VA	5	65	8	5	50	60	565541
BLUEFIX 8x50 HS	5	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.