

Metal frame anchor UFD

Solid metal frame anchor for tension-free spaced installation.

Long Description

The Upat metal frame anchor UFD is the optimal anchor for tension-free standoff installation. The UFD, consisting of a metal sleeve and a countersunk head screw made of zinc plated steel, allows for time-saving through-hole installation in solid and hollow building materials. By tightening the screw, the anchor expands and wedges against the borehole wall. The functional principle enables tension-free installation, allowing for precise positioning and long-lasting attachment of window and door frames.

Characteristics

- Building materials: Concrete, solid construction, hollow construction
- Load range: Tensile load, shear load, and oblique load 0.5-1.4 kN
- Material: Zinc plated steel (zp)
- Feature: Drill diameter 10mm, anchor length 112-182 mm

Applications

- Windows
- Wooden substructures
- Door frames
- Garden gates

Materials

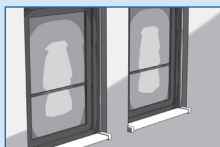
- Concrete
- Perforated clay bricks
- Hollow block made of lightweight concrete
- Calcium silicate perforated bricks
- Calcium silicate solid bricks
- Aerated concrete
- Solid block made of lightweight concrete
- Full bricks

Advantages

- Stress-free spacing installation: Clever functional principle enables a stress-free spacing installation
- Precise positioning: Stress-free installation allows for precise positioning of door and window frames
- Flexible application: Can be flexibly used in solid and hollow building materials
- Secure grip: The pressure- and tension-resistant dowel geometry ensures a secure grip in the building material



Application examples

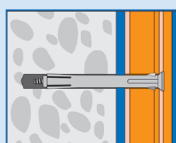
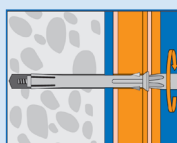
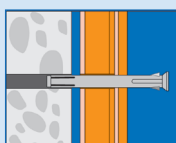


Straight to the product



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Assembly



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Product variants

Product	Art.No.	Drill diameter	Anchor length	Max. fixture thickness	Min. drill hole depth for through fixings	Sales unit
UFD 10/112	541737	10	112	82	130	100
UFD 10/132	541738	10	132	102	150	100
UFD 10/152	541739	10	152	122	170	100
UFD 10/182	541740	10	182	152	200	50

Load table

Highest recommended loads¹⁾ of a single anchor as part of a multiple fixation of non-load-bearing systems.

Type	Concrete $\geq$ C20/25 $F_{rec}^{2)}$ [kN]	Solid Brick $\geq$ Mz 12 $F_{rec}^{2)}$ [kN]	Solid Sand-lime Brick $\geq$ KS 12 $F_{rec}^{2)}$ [kN]	Solid Light Concrete Brick $\geq$ V 2 $F_{rec}^{2)}$ [kN]	Perforated Sand-lime Brick $\geq$ KSL 12 $F_{rec}^{2)}$ [kN]
UFD 10	1.4	1.3	1.3	0.5	0.6

¹⁾ Includes the necessary safety factor.

²⁾ Valid for tensile, shear, and oblique pull under any angle.