

Universal plug UVD II

Secure universal plug for unknown building materials.

Long Description

The Upat Universal plug UVD II is a high-quality pure nylon universal plug suitable for securing light to medium loads in almost all building materials. This clever plug provides secure fastening by expanding against the wall in solid materials or by knotting itself in voids and behind panel building materials. The plug can be installed in both pre-positioned and push-through installations. In the version with a rim, the anchor prevents slipping during installation.

Characteristics

- Building material: Concrete, solid construction, hollow construction
- Load range: Tension load, shear load, and oblique load 0.05-1.2kN
- Material: Nylon
- Variant: Standard, with edge (R)
- Feature: Drill diameter 5-12mm

Materials

- Concrete
- Plasterboard and gypsum fiber boards
- Perforated clay brick
- Hollow block made of lightweight concrete
- Ribbed slabs made of brick and concrete
- Perforated sand-lime brick
- Full sand-lime brick
- Natural stone
- Aerated concrete
- Particle boards
- Full gypsum boards
- Full lightweight concrete block
- Full brick

Advantages

- Upat nylon quality: Robust - durable - recyclable
- Peace of mind: When dealing with an unknown building material, the nylon universal plug is a good choice due to its expansion and knotting function
- Secure application: The anti-rotation lock prevents the nylon universal plug from rotating in the borehole
- Versatile use: The nylon universal plug can be used in combination with chipboard screws, wood screws, eye screws, angle screws, or hook screws
- Flexible installation: Suitable for pre-positioned and push-through installation

Applications

- Towel holder
- Mirror cabinet
- Wall shelves
- Screen brackets

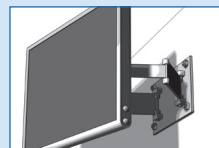
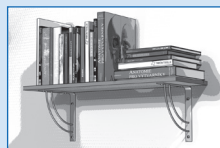


Straight to the product

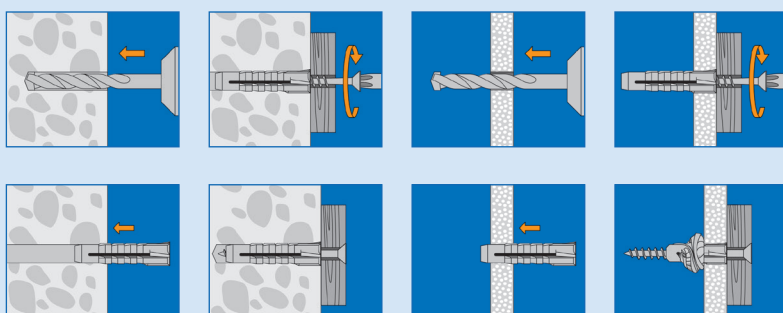


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Application examples



Assembly



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Product variants

Product	Art.No.	Drill diameter	Anchor length	Min. drill hole depth	Wood and chipboard screws	Sales unit
UVD II 5x25 R	538436	5	25	35	3.0 - 4.0	100
UVD II 6x30 R	538435	6	30	40	4.0 - 5.0	100
UVD II 6x50 R	538437	6	50	60	4.0 - 5.0	100
UVD II 8x40 R	538439	8	40	50	5.0 - 6.0	100
UVD II 10x50 R	538441	10	50	60	6.0 - 8.0	50
UVD II 12x60	538442	12	60	70	8.0 - 10.0	25

With rim (R): For flush mounting and to prevent the dowel from slipping into the drill hole

Load table

Highest recommended loads¹⁾²⁾ of a single anchor.

Type	Concrete	Solid sand-lime brick	Perforated clay brick	Aerated concrete	Gypsum Plasterboard
	≥ C20/25	≥ KS 12	≥ Hlz 12	≥ AAC 4 (G4)	12,5 mm
	F _{rec} ³⁾	F _{rec} ³⁾	F _{rec} ³⁾	F _{rec} ³⁾	F _{rec} ³⁾
	[kN]	[kN]	[kN]	[kN]	[kN]
UVD II 5 x 25 R	0.25	0.25	0.1	0.05	0.05
UVD II 6 x 30 R	0.35	0.35	0.15	0.1	0.05
UVD II 6 x 50 R	0.4	0.4	0.15	0.1	0.05
UVD II 8 x 40 R	0.5	0.5	0.2	0.1	0.1
UVD II 10 x 50 R	1	1	0.2	0.15	0.1
UVD II 12 x 60	1.2	1.2	0.25	0.2	0.1

¹⁾ Safety factor requirement considered.

²⁾ Load values apply to the largest screw diameter.

³⁾ Valid for tension, shear, and oblique loads at any angle.