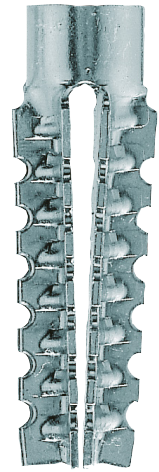


Metal expansion anchor UMA

Installation-friendly metal expansion anchor for wood and chipboard screws.



Long Description

The Upat metal expansion anchor UMA is a user-friendly expansion plug. The plug is suitable for fastenings in concrete, aerated concrete, solid and hollow building materials, as well as in solid plasterboard. This special plug can be flexibly installed in pre-set and aerated concrete without pre-drilling. The metal teeth securely anchor into the building material when screwed in, enabling high load-bearing capacity. The ribbed internal geometry of the UMA ensures secure screw guidance for wood and chipboard screws. The metal expansion anchor UMA is a specialist in installation technology and finds its application in the fastening of, for example, gas and water pipes, cable and pipe clamps.

Characteristics

- Building material: Concrete, solid construction, panel construction
- Load range: Tensile load, shear load, and oblique load 0.2-0.6 kN
- Material: Zin plated steel (zp)
- Feature: Drill diameter 6-10mm

Materials

- Concrete
- Perforated clay bricks
- Hollow block made of lightweight concrete
- Hollow decks made of brick and concrete
- Calcium silicate perforated bricks
- Calcium silicate solid bricks
- Natural stone with dense structure
- Aerated concrete
- Solid block made of lightweight concrete
- Full gypsum boards

Advantages

- Wide range of applications: Suitable for a variety of building materials. Proven for fixing gas and water pipes as well as cable and pipe clamps
- Versatile use: Due to the flush-mounted installation in the building material, various types of screws such as chipboard screws, wood screws, eye screws, angle screws, or hook screws can be used for fixing
- Safe application: Thanks to the special internal geometry for screw guidance
- Time saving in aerated concrete: Pre-drilling is not necessary. The metal expansion anchor can be directly hammered into the aerated concrete

Applications

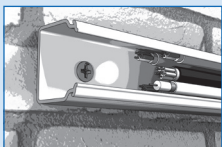
- Cable channels
- Wall lights
- Speakers
- Electrical installations
- Pipeline routes

Straight to the product

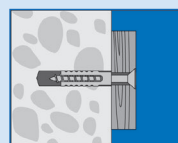
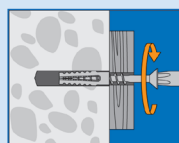
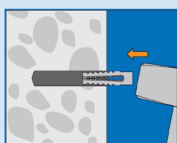
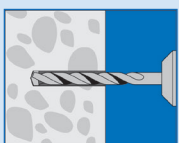


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Application examples



Assembly



Metal expansion anchor UMA

Product variants

Product	Art-No.	Drill diameter	Anchor length	Min. drill hole depth	Screw diameter	Sales unit
UMA 6x32	542949	6	32	38	5.0 - 6.0	100
UMA 8x38	542950	10	38	46	6.0 - 8.0	100
UMA 10x60	542951	12	60	68	8.0 - 10.0	50

Load table

Highest recommended loads¹⁾²⁾ of a single anchor.

Type	Wood screw diameter Ø [mm]	Aerated concrete ≥ AAC 2 F _{rec} ³⁾ [kN]	Aerated concrete ≥ AAC 4 F _{rec} ³⁾ [kN]
UMA 8x38	8	0.2	0.3
UMA 10x60	10	0.4	0.6

¹⁾ Required safety factors are considered.

²⁾ The given loads are valid for wood screws with maximum diameter

³⁾ Recommended loads in the respective base material.