

Nail anchor UNA

Efficient nail anchor for streamlined installation. Approved for concrete (multiple fixings) and fire protection.

Long Description

The Upat nail anchor UNA is the pragmatic impact anchor for quick installation. With a simple setting process, it can be used for fastenings in both indoor and outdoor environments. The nail anchor UNA is commonly used, for example, for the fastening of mounting rails and substructures made of metal or wood.

Characteristics

- Certification/Approval: ETA multiple fastening in cracked concrete, fire resistance, VdS CEA guidelines compliant
- Load range: Tension load, shear load, and angle load 0.7-2.4kN
- Material: Zinc plated steel (zp), Stainless Steel (R)
- Variant: Nail head, threaded and flange nut (M), eyelet (OE)
- Feature: Drill diameter 6mm, usable length 5-75mm
- Accessory: Blow-out pump UPM AB

Applications

- Wooden substructures
- Cable support systems
- Electrical installations
- Ventilation ducts

Advantages

- Secure anchoring: ETA concrete approval option 1 for multiple fastening of non-load-bearing systems and fire resistance
- Easy installation: Setting process without torque and impact aid
- Secure impact: Prevents reinforcement hits due to reduced impact depth
- Installation-friendly: Ideal for overhead installations thanks to direct hold already when inserted
- Stainless steel (R): For fastenings outdoors or in damp rooms

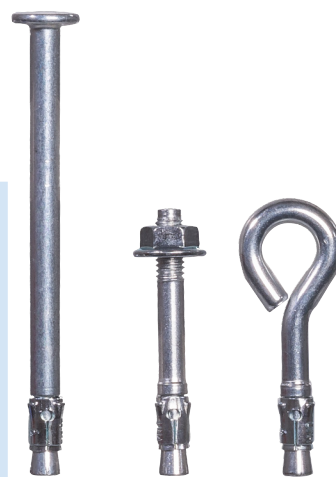
Materials

Approved for:

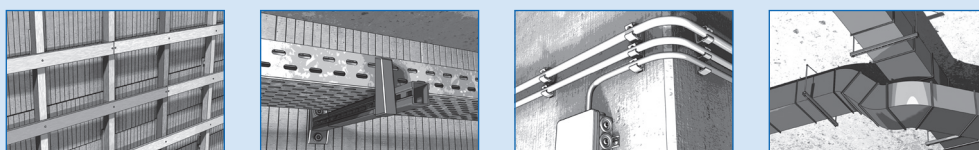
- Concrete C12/15 to C50/60, cracked, for use as multiple fixings for redundant non-structural systems

Also suitable for:

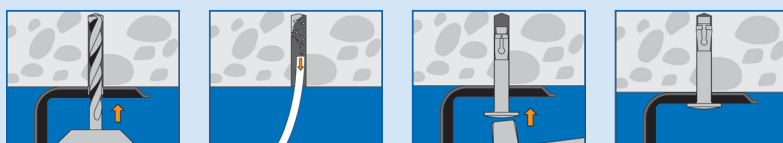
- Calcium silicate solid bricks
- Natural stone with dense structure
- Precast concrete hollow core slab decks



Application examples



Assembly



Straight to the product



upat.com/en-una

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Product variants

Product	Art.-No. (zp)	Art.-No. (R)	Anchor length	Drill diameter	Max. fixture thickness	Min. drill hole depth for through fixings	Fire resistance	Sales unit (zp)	Sales unit (R)
UNA 6x25 OE	541305	-	54	6	—	35	R120	50	-
UNA 6x30 M6/5	541306	-	50	6	5	45	R120	100	-
UNA 6x30/5	541308	547293	40	6	5	45	R120	100	100
UNA 6x30/30	541307	547294	65	6	30	70	R120	50	50
UNA 6x30/50	541309	547295	85	6	50	90	R120	50	50
UNA 6x30/75	547292	-	110	6	75	115	R120	50	-

Stainless steel (R): For fastenings outdoors or in damp rooms

Galvanised steel (zp/gvz): For fastenings in dry indoor areas

Thread and flange nut (M): For series installation and precise adjustment of the attachment

Eye (OE): For fastening of suspensions and hangers

Load table

Permissible loads¹⁾ for a single anchor for multiple use for non-structural applications in normal concrete C20/25 up to C50/60.

For the design the complete current assessment ETA - 17/0287 has to be considered.

Type	Material / surface ²⁾	Effective anchorage depth	Minimum member thickness	Maximum installation torque	Permissible load (F_{perm}), minimum spacing (s_{min}) and edge distances (c_{min})		
		h_{ef} [mm]	h_{min} [mm]	$T_{inst,max}$ [Nm]	F_{perm} ³⁾ [kN]	s_{min} ⁴⁾ [mm]	c_{min} ⁴⁾ [mm]
UNA II 6 x 30	zp	30	80	-	2.4	40	40
	A4	30	80	-	2.4	40	40
UNA 6 x 30 M6	zp	30	80	4	2.4	40	40
	A4	30	80	4	2.4	40	40
UNA II 6 x 25 OE	zp	25	80	-	0.7	40	40

¹⁾ Design according to EN 1992-4:2018 (for static resp. quasi-static loads). The partial safety factors for material resistance as regulated in the ETA as well as a partial safety factor for load actions of $\gamma_L = 1.4$ are considered. As a single anchor counts e.g. an anchor with a spacing $s \geq 3 \times h_{ef}$ and an edge distance $c \geq 1.5 \times h_{ef}$. Accurate data see ETA.

²⁾ Further steel grades, versions and technical data see ETA.

³⁾ Maximum load for normal spacing and edge distances. Valid for tensile load, shear load and oblique load under any angle. In the case of shear loads with lever arm (bending) as well as reduced spacings or edge distances (anchor groups), the design must be carried out in accordance with the provisions of the complete ETA and the provisions of the EN 1992-4:2018.

⁴⁾ Minimum possible axial spacings resp. edge distances. Smaller permissible loads acc. ETA are required.