

Nail anchor UNA

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.