

Nail anchor FNA II

zinc plated steel / stainless steel / high corrosion resistant steel

Highest permissible loads ¹⁾ for a single fixing point ⁶⁾ as part of a multiple fixing of non-structural systems ⁴⁾ in concrete C20/25 up to C50/60 ³⁾ .								Minimum spacings while reducing the load	
Type	Material fixing element	Effective anchorage depth	Minimum member thickness	Maximum torque moment	Permissible load	Required edge distance for	Required spacing for	Min. spacing	Min. edge distance
		h_{ef} [mm]	h_{min} [mm]	T_{inst} [Nm]	$F_{perm}^{2)}$ [kN]	Max. Load c [mm]	Max. Load s [mm]	$s_{min}^{5)}$ [mm]	$c_{min}^{5)}$ [mm]
FNA II 6 x 25	gvz	25	80	-	1,4	100 for $s \geq 200$	100 for $c \geq 200$	40	40
FNA II 6 x 30	gvz	30		-	2,4				
	A 4			-	2,4				
	C	30		-	2,4				
	C			-	2,4				
FNA II 6 x 25 M6	gvz	25		-	1,4				
FNA II 6 x 30 M6	gvz	30		-	1,4				
	A 4			4	2,4				
	C	30	-	2,4					
	C		-	2,4					
FNA II 6 x 30 M8	gvz	30	-	2,4					
FNA II 6 x 25 OE	gvz	25	-	0,7					

For the design the complete approval ETA - 06/0175 has to be considered.

¹⁾ The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of $\gamma_L = 1,4$ are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

³⁾ For concrete compressive strength C12/15 see approval.

⁴⁾ Multiple use is defined acc ETAG 001 Part 6 with min. 3 fixing points with min. one anchor per fixing point and a permissible load of 1.4 kN or min. 4 fixing points with min. one anchor on a permissible load of 2.1 kN.

⁵⁾ Minimum possible axial spacings resp. edge distances. Smaller permissible loads acc. approval are required.

⁶⁾ A fixing point is defined as a single anchor or a group of 2 or 4 anchor.