

LOADS

Ceiling nail FDN

Highest permissible loads¹⁾ for a single anchor as part of a multiple fixing of non-structural systems in concrete C20/25 up to C50/60.

Type	Effective anchorage depth	Min. member thickness	Torque-moment	Permissible load	Min. spacing	Min. edge distance
	h_{ef} [mm]	h_{min} [mm]	T_{inst} [Nm]	F_{perm} ³⁾ [kN]	s_{min} ²⁾ [mm]	c_{min} ²⁾ [mm]
FDN 6	32	80	-	2,4	200	150

For the design the complete approval ETA - 07/0144 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⁾ Minimum possible axial spacings resp. edge distance.

³⁾ Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads as well as bending moments see approval.