

Safety Nail TDN



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Safety Nail TDN-O

Description

The Safety Nail TDN is a hammer-in steel anchor for cracked and uncracked concrete, with fire resistance classification, vandal-proof. Supplied pre-assembled.

Applications

Suspended ceilings, ventilation systems, claddings, brackets, metal sheet.

Load Range: 0,5 kN–2,4 kN



Safety Nail TDN



- Steel, zinc plated
- For cracked and uncracked concrete

Description	Ref. No.	Drill hole Ø mm	Fixture thickness mm	Eye - Ø mm	Package content pcs.	Weight per package kg
TDN 6/5	72210101	6 x 40	5	-	100	1,0
TDN 6/35	72230101	6 x 40	35	-	100	1,8
TDN-O ¹⁾	72250101	6 x 45	-	9	100	2,5



Extract from Permissible Service Conditions of ETA-06/0259 for use in concrete for redundant non-structural systems

Approved loads according to EN 1992-4 for single anchors without the influence of spacing and edge distances. The total safety factor (γ_M und γ_P) is included. The admissible loads per fixing point can be taken from the relevant national regulations of the EOTA member states and may be lower than the approved load of the anchor.

Loads and performance data			TDN 6/5	TDN 6/35	TDN-O ¹⁾
			concrete C20/25 to C50/60		
Approved loads, any direction	appr. F	[kN]	2,4	2,4	0,5
Loads under fire exposure (C20/25 to C50/60)					
Approved loads R 30	appr. F	[kN]	0,8	0,8	-
Approved loads R 60	appr. F	[kN]	0,7	0,7	-
Approved loads R 90	appr. F	[kN]	0,6	0,6	-
Approved loads R 120	appr. F	[kN]	0,4	0,4	-
Loads under fire exposure (C20/25 to C50/60)					
Approved loads R 30	hef	[mm]	32	32	33
Approved loads R 60	s _{min}	[mm]	200	200	200
Approved loads R 90	c _{min}	[mm]	150	150	150
Approved loads R 120	h _{min}	[mm]	80	80	100
Installation parameters					
Drill hole diameter	d ₀	[mm]	6	6	6
Depth of drill hole	h ₁	[mm]	40	40	45
Head diameter		[mm]	15	15	-

¹⁾Not part of European Technical Assessment

Installation

