

## EJOT® hammer-in anchor N1

**Cross reference**

Combi washer VT90  
Combi washer SBL 140 plus

**Application range**

- > For fixing of external thermal insulation composite systems with rendering
- > Useable for all building materials (A, B, C, D, E)

**Properties**

- > Solid steel nail (break proof)
- > Low thermal transmission
- > Expansion zone for security and grip in critical substrates
- > Low profile washer face
- > Useable with an additional washer
- > High loads
- > Economic anchor usage
- > Premounted nail

**Technical data**

Anchor nominal diameter	8 mm	
Washer diameter	60 mm	
Drill hole depth $h_1 \geq$		
Use categories A, B, C	35 mm	
Use categories D, E	N1 95-115 mm	55 mm
	N1 135 - 275 mm	75 mm
Embedment depth $h_{ef} \geq$		
Use categories A, B, C	25 mm	
Use categories D, E	N1 95-115 mm	45 mm
	N1 135 - 275 mm	65 mm
Point thermal transmission $\lambda$	0.002 W/K	
Use categories	A, B, C, D, E	



## Tensile load capacity NRk in concrete and masonry per anchor in kN according to ITB tests based on EAD 330196-01-0604

Base materials	Bulk density class $\rho$ [kg/dm <sup>3</sup> ]	Min. compressive strength $f_b$ [N/mm <sup>2</sup> ]	Embedment depth $h_{ef}$ [mm]		Embedment depth $h_v$ [mm]	
			N1 95 / 115	N1 95 / 115	N1 135 - 275	N1 135 - 275
A Concrete C 16/20 - C 50/60 acc. to EN 206-1:2000	-	-	≥ 25	0.6	≥ 25	0.55
A Clay bricks (Mz) acc. to EN 771-1:2011	≥ 2.0	20	≥ 25	0.55	≥ 25	0.5
B Sand-lime solid bricks (KS) acc. to EN 771-2:2011	≥ 2.0	20	≥ 25	0.55	≥ 25	0.5
B Vertically perforated clay bricks (Hz) acc. to EN 771-1:2011	≥ 1.6	15	≥ 25	0.55	≥ 25	0.5
C Sand-lime perforated bricks (KSL) acc. to EN 771-2:2011	≥ 1.6	15	≥ 25	0.55	≥ 25	0.5
D Lightweight concrete hollow blocks (LAC 5) acc. to EN 1520:2011-06 / EN 771-3:2011	≥ 0.35	2	≥ 45	0.55	≥ 65	0.95
D Lightweight concrete hollow blocks (LAC 5) acc. to EN 1520:2011-06 / EN 771-3:2011	≥ 0.65	3.5	≥ 45	0.8	≥ 65	0.95
E Autoclaved aerated concrete (AAC 4 - AAC 7) acc. to EN 771-4:2011	≥ 0.88	5	≥ 45	0.95	≥ 65	0.95

**Please note**

For calculation of design loads the national safety factors have to be included (e.g. Germany: 3).

Order description and length [mm]	Use categories A, B, C Insulation [mm]		Use categories D, E Insulation [mm]		Packaging [pieces]	Pallet quantity [pieces]	Article number
	New building <sup>1)</sup>	Renovation <sup>2)</sup>	New building <sup>1)</sup>	Renovation <sup>2)</sup>			
EJOT N1 95	60	40	-	-	100	5,000	8749 095 490
EJOT N1 115	80	60	-	-	100	4,000	8749 115 490
EJOT N1 135	100	80	60	-	100	3,000	8749 135 490
EJOT N1 155	120	100	80	-	100	3,000	8749 155 490
EJOT N1 175	140	120	100	80	100	3,000	8749 175 490
EJOT N1 195	160	140	120	100	100	3,000	8749 195 490
EJOT N1 215	180	160	140	120	100	3,000	8749 215 490
EJOT N1 235	200	180	160	140	100	2,000	8749 235 490
EJOT N1 255	220	200	180	160	100	2,000	8749 255 490
EJOT N1 275	240	220	200	180	100	2,000	8749 275 490

<sup>1)</sup>10 mm adhesive, <sup>2)</sup>10 mm adhesive and 20 mm old render