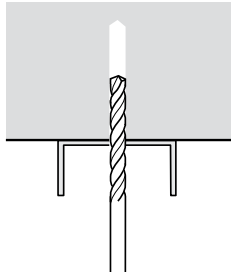


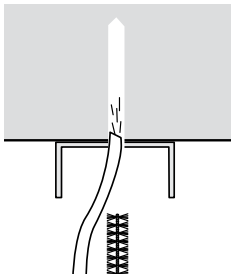
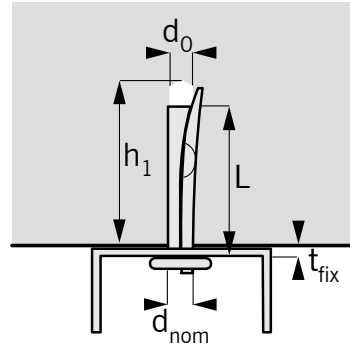
**CONCRETE HAMMER RIVET**

**Installation:**

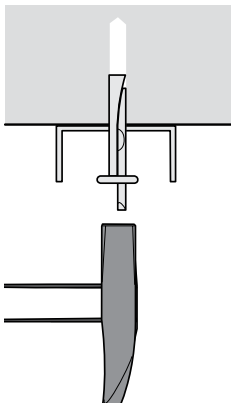
For fixing of suspended ceilings, ventilation systems, claddings, brackets and sheet metal in concrete



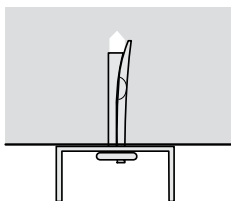
**1** Drill a hole with correct diameter and depth through fixture and into the concrete. Hole in fixture must be minimum 2 mm larger than drill hole diameter



**2** Clean the drilled hole thoroughly



**3** Insert the Concrete Hammer Rivit and knock-in the expansion element



**4** The installation is completed

Type	Dimensions			Fixing		Load Capacities	
	$d_{nom}$	L	$t_{fix}$	$d_0$	$h_1$	$N_{Rd}$	$V_{Rd}$
Concrete Hammer Rivet	Outside diameter of anchor mm	Anchor length mm	Thickness of fixture mm	Drill hole diameter mm	Depth of drilled hole (Min.) mm	Design Resistance tension shear	
6x35	6	35	4,5	6	40	1,00	1,25
6x65	6	65	35,0	6	40	1,00	1,25

• Design resistance is maximum in concrete  $\geq C20/25$ . Partial safety factor for material ( $\gamma_m$ ) is included. Partial safety factor for actions ( $\gamma_f$ ) must be applied according to national building code. If no guidance for  $\gamma_f$  exists Expandet recommend a partial safety factor for actions of minimum 1,5.

**Important:** See Expandet's "Principles for fastening" for general information on fastening as well as information on limited liability. (Can be downloaded at [www.expandet.com](http://www.expandet.com))

**Advantages:**

- Fast and easy through fixing.
- Small drilling diameter.
- Fire tested for fixing of suspended ceilings in both cracked and non-cracked concrete.

**Materials:**

Expandet Concrete Hammer Rivet is zinc plated min. 5  $\mu m$ . Head diameter: 15 mm

**Approvals:**

European Technical Approval (ETA 06/259). Fire classification is included in the ETA.



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