

Area of Application

ESSVE Expander nail is designed for light installation and for drill-through installation in concrete, brick or stone material.

The expander nail is suitable where fire demands are made on the fixing or where short insertion depths are required.

The expander nail is used e.g. for installing wood/steel joists as well as sill installation, nailed battens for false ceilings, etc.

When the expander is knocked into the pre-drilled hole, it is pressed together slightly. The characteristic of

the spring steel to regain its original shape means that the expander nail grips in the hole.

The parallel expansion along the whole nail result in a large contact area against the substrate, which gives a safe and strong fastening.



Description

The nail is tubular shaped and is made of hardened spring steel, with bright zinc plated surface treatment.

Installation

See the installation instruction.

Installation (drill-through installation)

1. Drill the hole. Hole diameter is equal to the nail diameter.
2. Knock in the nail.
3. Installation is complete.

Specification

Material	Hardened spring steel
Surface finish	Bright zinc plated
Corrosion category	C1

Expandable nails

ESSBOX



Item no.	Dimensions Drill Ø/Object thickness /Length mm	Minimum insertion depth mm	Nail head Ø mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
305205	5/30/50	20	9	202	100	12
305207	6/0/30	30	11	202	100	12
305209	6/30/60	30	11	203	100	8
7305209	6/30/60 (bulk)	30	11		2000	1
305211	6/50/80	30	11	203	100	8
305213	8/30/70	40	13	204	100	6
7305213	8/30/70 (bulk)	40	13		1000	1
305216	8/50/90	40	13	304	100	4
7305216	8/50/90 (bulk)	40	13		1000	1
305217	8/70/110	40	13	203	50	8
7305217	8/70/110 (bulk)	40	13		900	1
305221	8/90/130	40	13	204	50	6
305219	8/110/150	40	13	204	50	6

Small package

Item no.	Dimensions Drill Ø/Object thickness/Length mm	Minimum insertion depth mm	Nail head Ø mm	Qty/ pack.
511293	6/30/60	30	11	8
511291	8/30/70	40	13	8
511292	6/50/80	30	11	8
511294	8/50/90	40	13	8
511295	8/70/110	40	13	8

Practical load capacity

Dimensions mm	Tensile load Concrete C20/25 kN/kg	Shear load Concrete C20/25 kN/kg
Ø 5.0	0.10/10	0.10/10
Ø 6.0	0.35/35	0.35/35
Ø 8.0	0.70/70	0.70/70