

Area of Application

ESSVE Indu-Prog Frame sleeve is designed for installation in frames of wood, aluminium and steel.

Description

Indu-Prog Frame sleeve is a universal frame fixing, which is excellent to work with irrespective of the material the fixing is to be made in. The frame sleeve may either be prefitted on delivery of windows and/or doors or installed directly on site.

The wall material, which can be wood, concrete, steel, lightweight concrete, haydite, etc determines the choice of fixing, see the Installation instructions to select a suitable ESSVE fixing.

Indu-Prog frame sleeve is made of zinc and comes in two lengths, 28 and 38 mm. Dimension 28 mm is used for light doors and small windows with joints up to 13 mm and in aluminium or steel sections. Dimension 38 mm is used for massive doors, exterior doors and larger windows or joints up to 23 mm.

The outside Indu-Prog frame sleeve consists of a 20 mm hex plate and the M16 threaded fixing section. The M16 thread means the frame sleeve is ideal for aluminium and steel frames as well as frames of wood. Inside Indu-Prog Frame sleeve is an internal 10 mm hex.

Installation

Pre-drilled 14 mm holes are required for installation in wooden frames. The grooves on the underside of the external hex plate allow countersinking in the frame. In thin pre-drilled aluminium sections, the ESSVE Indu-Prog Frame sleeve cuts its own thread. For steel frames, an M16 thread is required in the hole.



28 mm



Installation

1. Install Indu-Prog Frame sleeve, from the outside in the frame using KMN or UN-T before the window/door is lifted into position.

Wooden frames and thin aluminium sections: Pre-drilled 14 mm holes. Indu-Prog Frame sleeve cuts its own thread.

Steel frames: Indu-Prog Frame sleeve requires an M16 thread in the hole.

2. When the frame is in position in the opening, unscrew the Indu-Prog Frame sleeve using KMN or UN-T so that the frame is secured in the opening. Align the window/door both vertically and horizontally. Using KarmFix Indu-Prog, item no. 111050, this operation is quick, easy and secure. KarmFix Indu-Prog is used to fix and hold the window in position during installation, while it can also be used for adjustment. If the maximum joint width is exceeded, use Spacer $\varnothing 20 \times 10$. (Item no. 111120)

3. Select the fixing as set out below:

In concrete and solid brick: Indu-Prog Concrete screw $\varnothing 7.5 \times 65$. Pre-drill $\varnothing 6$ mm.

In wood: Indu-Prog Wood screw $\varnothing 8.0 \times 58$ or Indu-Prog Concrete screw $\varnothing 7.5 \times 65$.

In lightweight concrete: Indu-Prog Lightweight concrete screws $\varnothing 8.0 \times 120$. No pre-drilling required, the screw is screwed directly into the material. Avoid over-tightening. Pre-drill $\varnothing 8$ mm. Pressure distribution washer $\varnothing 43 \times 10$ recommended for porous materials.

In steel joists: Indu-Prog Self-drilling screw $\varnothing 7.0 \times 35$. Suitable for thicknesses up to 5.0 mm.

In hollow brick: Indu-Prog Lightweight concrete screw $\varnothing 8.0 \times 120$ or Indu-Prog Concrete screw $\varnothing 7.5 \times 92$ or 132 mm. Pre-drill $\varnothing 6$ mm in both cases.

4. The hole is covered with a cover in a matching colour. Installation is complete.

Specification

Material	Zinc alloy
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Indu-Prog Frame sleeve

ESSBOX

Item no.	Dimension mm	dk x L mm	D mm	Max. joint width for wooden joist, mm	Key width mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
111102	28	14×28	20	13	10	304	100	4
111205	38	14×38	20	23	10	304	80	4

Small package

Item no.	Dimension mm	dkxL mm	D mm	Max. joint width for wooden joist, mm	Key width mm	Qty/ pack.
511270	28	14×28	20	13	10	6
511272	38	14×38	20	23	10	6