# L0 Frame mounting fastener, PZ

AT-15-8976/2012

Zn/Al

## Description

| | |
|---|---|
| Application | Fastener for fixing PVC and wooden window frames, door frames, and metal fittings |
| Type of installation | Required to bore a hole |
| Substrate | Concrete and masonry |
| Material | Material: steel, Zn-Al alloy |

## Features and advantages

**Countersunk head with PZ drive**
Countersunk head ensures its correct sinking in the installed element. Commonly used PZ drive also makes installation easier.

**Expansion in the installed element**
Plug expansion in the element being installed ensures a correct fixing in the substrate.

**Expansion in the substrate**
Special design of the expansion zone ensures correct fixing both in solid substrate (concrete, ceramic/clay brick, aerated concrete, sand-lime brick ) and in ceramic/clay hollow brick.
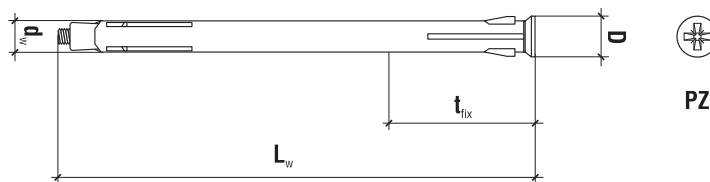
## Substrates

## DESIGN RESISTANCE

| Substarte | Anchorage depth | Value |
|---|---|---|
| Design resistance in concrete C20/25 | 30 mm | 1.70 kN |
| Design resistance in solid brick | 40 mm | 1.11 kN |
| Design resistance in solid silica brick | 40 mm | 1.14 kN |
| Design resistance in hollow brick | 60 mm | 0.29 kN |
| Design resistance in AAC | 60 mm | 0.29 kN |

Normal weight concrete strength, class not lower than C20/25 according to PN-EN 206/1:2003 in the compression zone
Solid clay brick, class not lower than 15 according to PN-EN 771-1:2011
Sand-lime brick, class not lower than 20 according to PN-EN 771-2:2011
Aerated concrete type 600 class 5 according to PN-EN 771-4:2011
Hollow clay brick, class 15 according to PN-EN 771-1:2011

Sample application

# SCREWS AND FASTENERS FOR WINDOWS AND DOORS
SCREWS AND FASTENERS FOR WINDOW AND DOOR INSTALLATION – PRODUCTION PROGRAMME

**Wkręt-met**®
**KLIMAS**

## LO Frame mounting fastener, PZ

$t_{fix}$

$L_w$

D

PZ

| | Code | $d_w$ x $L_w$ [mm] | D [mm] | $t_{fix}$ [mm] | PZ ➕ | Pcs |
|---|---|---|---|---|---|---|
| **ø10** | LO-10072 | **10 x 72** | 13 | 42 | PZ 3 | 100 |
| | LO-10092 | **10 x 92** | 13 | 62 | PZ 3 | 100 |
| | LO-10112 | **10 x 112** | 13 | 82 | PZ 3 | 100 |
| | LO-10132 | **10 x 132** | 13 | 102 | PZ 3 | 100 |
| | LO-10152 | **10 x 152** | 13 | 122 | PZ 3 | 100 |
| | LO-10182 | **10 x 182** | 13 | 152 | PZ 3 | 50 |
| | LO-10202 | **10 x 202** | 13 | 172 | PZ 3 | 50 |

## Z Cover cap for frame fastener - LO

| Code | Colour | Diameter [mm] | Pcs |
|---|---|---|---|
| ZB | **White** | 16 | 100 |
| ZBR | **Brown** | 16 | 100 |
| ZCZ | **Black** | 16 | 100 |
| ZSZ | **Gray** | 16 | 100 |