



Lamello



LC P-16

Joining system for lightweight panels
without the need for concealed timber edges

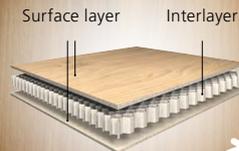
- P-System joint for lightweight materials and speedy installation
- Strong anchorage in the surface layers without concealed timber edges
- Three product sizes for use with all common material thicknesses



NEW

New possibilities in lightweight construction with the P-System

Lightweight construction stands for innovative designs that offer maximum stability and functionality with minimal use of materials. At a time when sustainability and resource conservation are becoming increasingly important, lightweight construction plays a central role. The use of intelligent materials and innovative technologies not only reduces weight and costs, but also protects the environment. Whether in the furniture industry, interior fittings or vehicle construction – lightweight construction enables flexible, resilient and sustainable solutions. It opens up new design possibilities and promotes efficient, future-oriented construction.



LC P-16 connector

LC P-16 is a connector that combines the advantages of lightweight construction with the efficient and aesthetic Clamex connection. Due to its width, the LC P-16 is anchored in the surface layers and acts as an adapter into which a Clamex P-14 connector is slid in.

Advantages in the manufacturing process

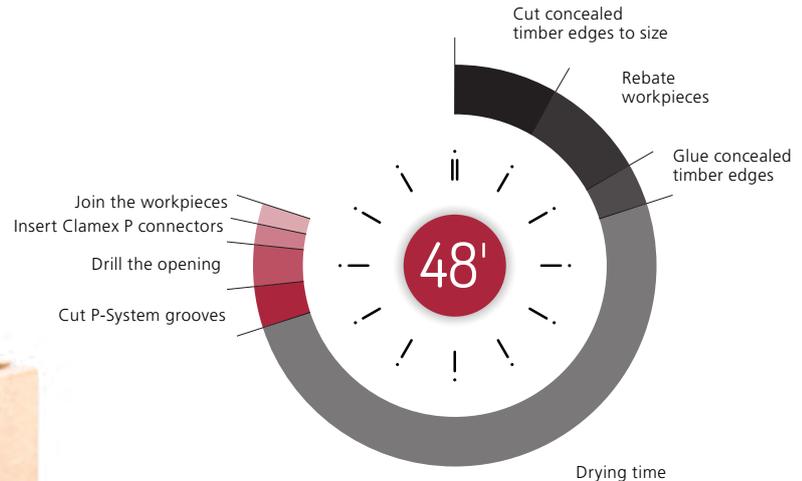
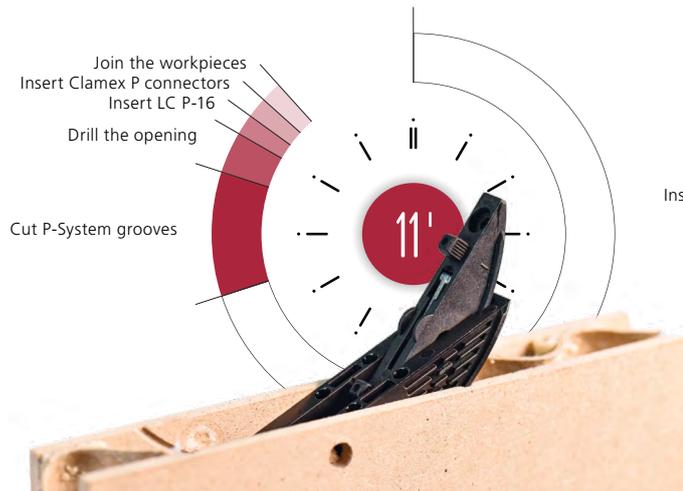
The LC P-16 lightweight connector significantly improves the machining and assembly process. The time-consuming use of a concealed timber edge is eliminated, which speeds up the production process and also saves material. The simple assembly – the connector is simply slid in – completely eliminates waiting times due to glueing. The result is a fast, smooth process that reduces time and costs in both manufacturing and assembly without compromising on aesthetics, stability and quality.



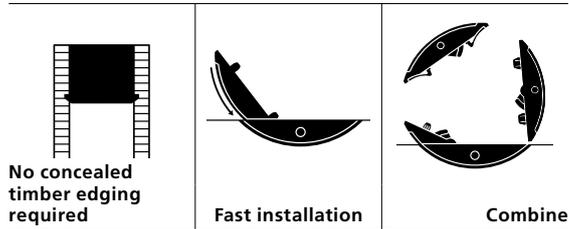
Cabinet with LC P-16

Processing time per cabinet

Cabinet with concealed timber edge

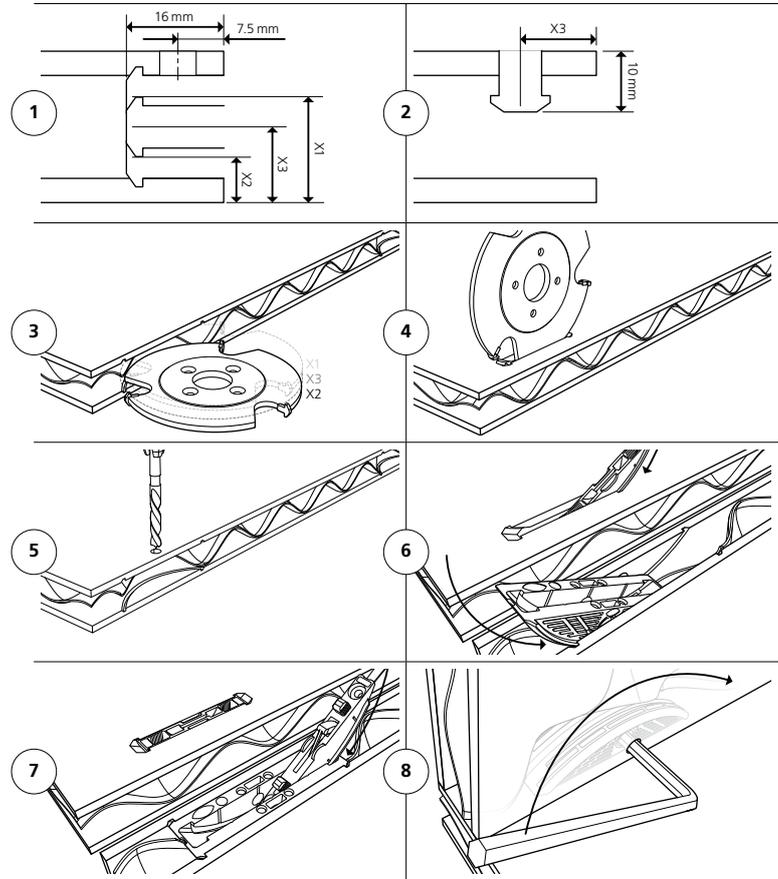


Features



The LC P-16 is a P-System joint for lightweight panels. It is securely anchored in the surface layer by its profile. The integrated P-System groove makes it possible to slide in Clamex P connectors without the time-consuming use of concealed timber edges or glues. Machining with two to three machining steps is carried out either with the Zeta P2 or, even more efficiently, with the CNC machining centre. Thanks to the three sizes of the LC P-16, detachable connections in various lightweight panels are possible.

Installation



Applications



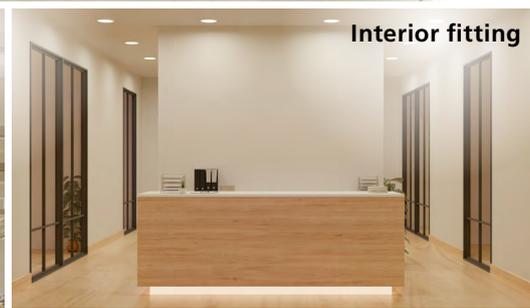
Furniture-making



Kitchen manufacturing



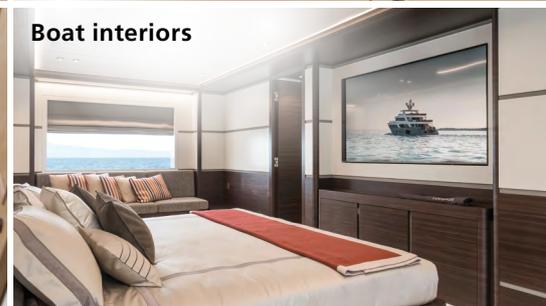
Shopfitting and trade fair construction



Interior fitting



Caravan and vehicle interior fittings



Boat interiors

Machining with Zeta P2

The LC P-16 is fixed in the surface layers of the lightweight panel using the P-System anchoring. Machining can be carried out with a CNC machining centre or with the Zeta P2. Depending on the size of the surface layer, two to three milling operations are required to achieve the required groove width, as the LC P-16 is wider than a P-System connector. The machining process for an LC P-16 x 11 with the Zeta P2 is as follows:



Position the angle stop and cut the first groove



Drill 6 mm access hole



Align the Zeta P2 in the hole using the positioning clip and cut the next groove*



Inserting the LC P-16



Slide Clamex P-14 into LC P-16 and Clamex P-10 connector half into the surface.



Connect the workpieces – finished!

* If the machining is carried out with the Zeta P2, creating spacers is recommended for performing the two to three machining operations for the LC P-16. The correct dimension can be found with the LC P-16 configurator.

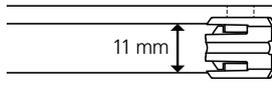
Choosing the right connector size

The LC P-16 lightweight connector is available in three sizes. This enables joints in the most common lightweight panels

LC P-16 × 11



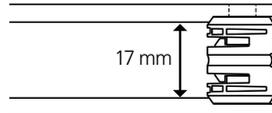
Panel thickness / surface layer
19 mm / 4 mm



LC P-16 × 17



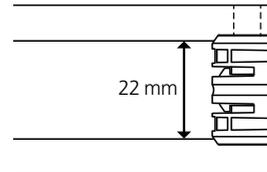
Panel thickness / surface layer
25 mm / 4 mm



LC P-16 × 22



Panel thickness / surface layer
30 mm / 4 mm
38 mm / 8 mm



The LC P-16 configurator is available for selecting the correct connector for other material or surface layer thicknesses. Based on the panel thickness and thickness of the interlayer or surface layer, the configurator determines whether the installation of the LC P-16 is possible, which sizes can be used and which cutting position is ideal.

Articles



Art. No.

LC P-16 x 11, 80 pcs **145710**

LC P-16 x 11, 1000 pcs **145711**

LC P-16 x 11 set, 80 pcs, incl. Clamex P-14/10 **145712**



Art. No.

LC P-16 x 22, 80 pcs **145730**

LC P-16 x 22, 1000 pcs **145731**

LC P-16 x 22 set, 80 pcs, incl. Clamex P-14/10 **145732**



LC P-16 x 17, 80 pcs **145720**

LC P-16 x 17, 1000 pcs **145721**

LC P-16 x 17 set, 80 pcs, incl. Clamex P-14/10 **145722**



LC P-16 Starter set **145700**

Scope of delivery: 20 x LC P-16 x 11, 20 x LC P-16 x 17, 20 x LC P-16 x 22, 20 pairs Clamex P-14/10, 1 piece positioning clip, 1 piece element insert Clamex P-16, 1 piece depth adjuster cap 2 mm, 1 piece allen key, SW 4 mm, 75 x 55 mm

Joining methods

