

ultralight

Creating Panel Connections

garnica
Challenge the ordinary

Connections



hinge

Overlay hinge
Exterior folding hinge
Concealed hinge
Häfele hinges and connectors



flat connection

Fastmount
Knob/Handle (metric screw)
Knob/Handle (wood screw)
Connection on the same plane



90° connection

Ovvo connector
Shelf bracket
Wood screw connection with washer
Countersunk wood screw connection
Inclined wood screw connection
90° connection with dowel pin
Long eccentric
Short eccentric
Lamello Cabineo



insert

Insert for metric screw (visible)
Insert for metric screw (concealed)
Blind rivet
Würth Coldmelt Technology
Sliding door system



filled edge

Filled Edges

Tools



saw



rivet gun



cutter



drill



special

Accessories



dowel pin



wood screw



rivet



metric



filled



edge



PVA adhesive



PU adhesive



PC adhesive



EVA adhesive



hinge



hinge

Overlay hinge

Overlay hinge used on doors, cupboards, kitchen furniture.

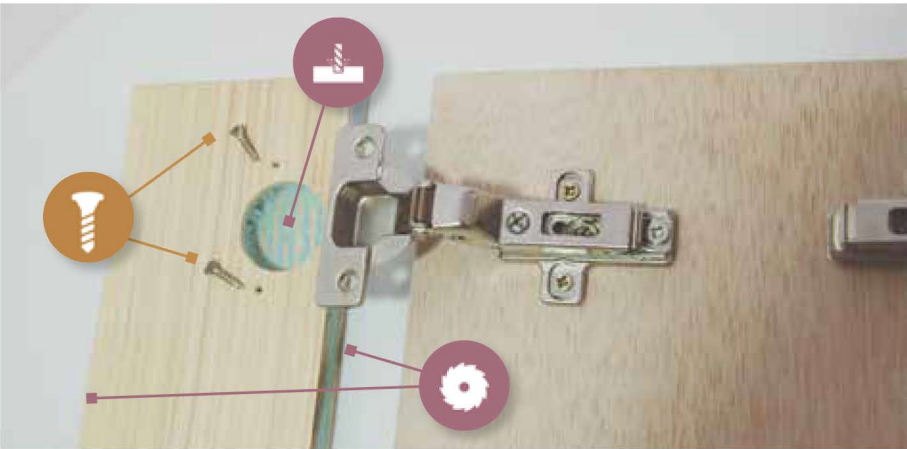
* The wood screw used must apply grip force between 2 and 8 mm of the shank.
** The resistance of the 4.5 mm poplar faces is usually sufficient for standard connections. 6 mm poplar faces are also available for applications that require greater strength, such as large furniture, doors, etc.

ADVANTAGES:

- ✓ Less stress on the hinge and screws thanks to the lighter weight of the Ultralight panel
- ✓ High screw pull-out resistance
- ✓ Only standard components are required

SUPPLIER:

Regular supplier



Tools



saw



cutter

Accessories



wood screw

Exterior folding hinge

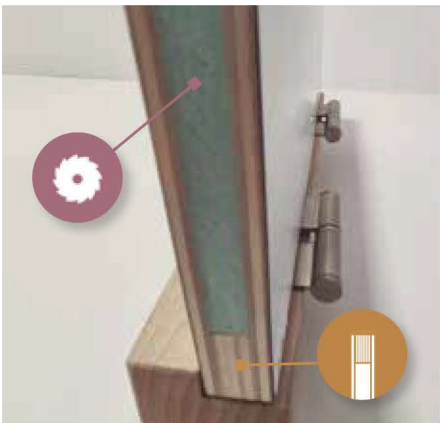
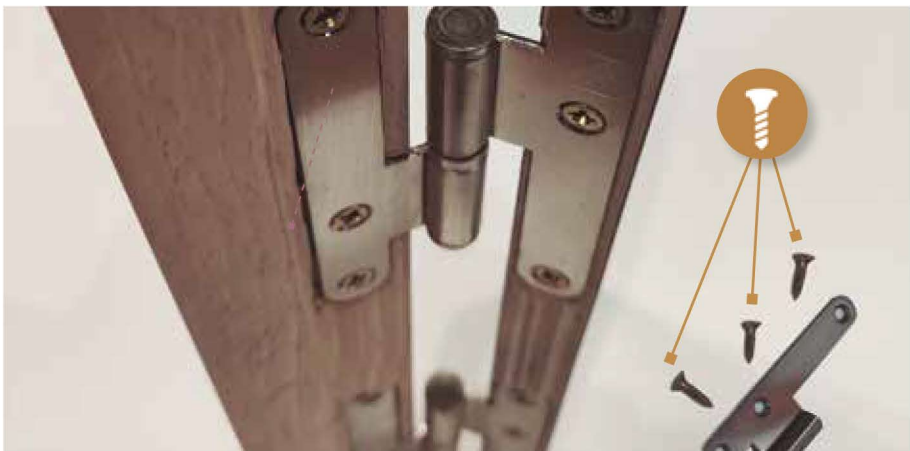
Exterior folding hinge for use on both interior and exterior doors.

ADVANTAGES:

- ✓ Less stress on the hinge and screws thanks to the lighter weight of the Ultralight panel
- ✓ High screw pull-out resistance
- ✓ Only standard components are required

SUPPLIER:

Regular supplier



Tools



saw



cutter

Accessories



wood screw



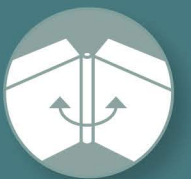
filled



Creating Panel Connections



hinge



hinge

Concealed hinge

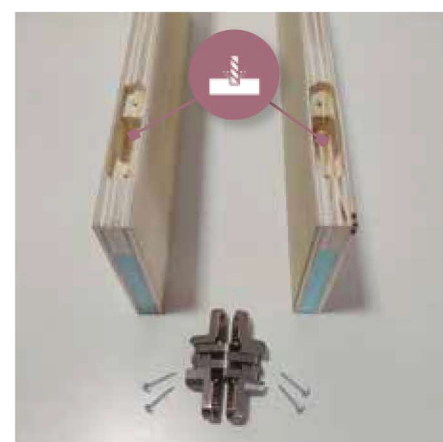
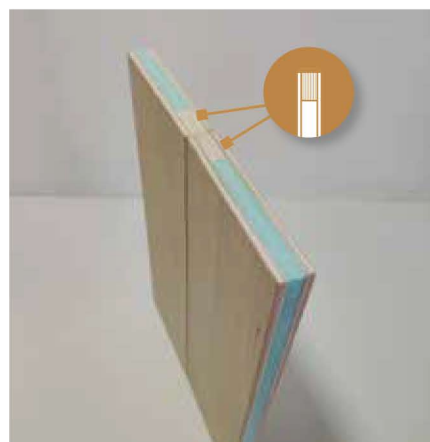
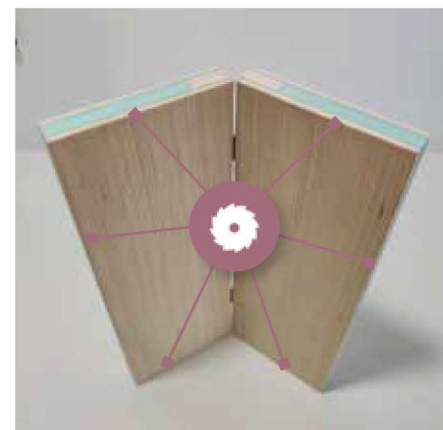
Concealed hinge used for both exterior and interior doors and cupboards.

ADVANTAGES:

- ✓ Less stress on the hinge and screws thanks to the lighter weight of the Ultralight panel
- ✓ High screw pull-out resistance
- ✓ Only standard use components are required
- ✓ Concealed hinge

SUPPLIER:

Regular supplier



Tools



saw



cutter

Accessories



wood screw



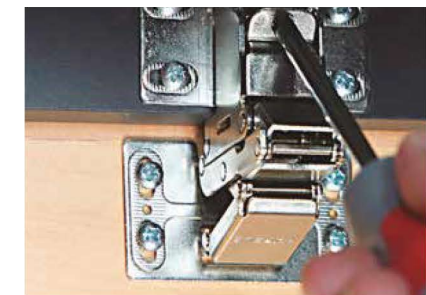
filled

Häfele hinges and connectors

Hinges and connectors for interior caravan furniture.

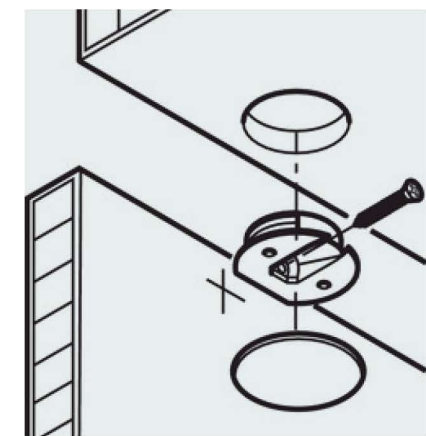
HINGE ADVANTAGES:

- ✓ Lighter than a standard hinge
- ✓ Less stress on the hinge and screws thanks to the lighter weight of the panel
- ✓ High screw pull-out resistance
- ✓ Only standard components are required



CONNECTOR ADVANTAGES:

- ✓ Reversible connection and exceptionally lightweight
- ✓ High screw pull-out resistance
- ✓ Easy to use with common tools



SUPPLIER:

www.haefele.de

Tools



drill

Accessories



wood screw

Creating Panel Connections



flat connection



flat connection

Fastmount

The Fastmount connection is perfect for countless uses in panelling, false ceilings, acoustic panels, furniture, upholstery, etc.

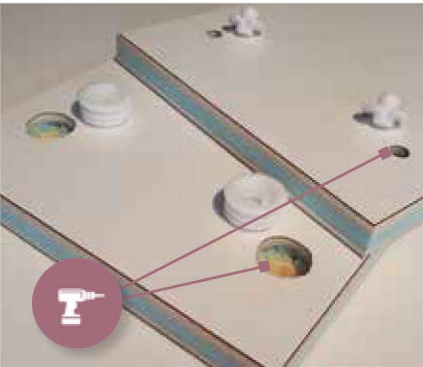
** The website of the supplier indicates the technology necessary for this system.*

ADVANTAGES:

- ✓ Invisible connections
- ✓ Lightweight
- ✓ Reversible
- ✓ Easy to install
- ✓ Wide variety of solutions
- ✓ Suitable for outdoor use
- ✓ Absorbs expansions and contractions

SUPPLIER:

www.fastmount.com



Tools



drill



special

Knob/Handle (metric screw)

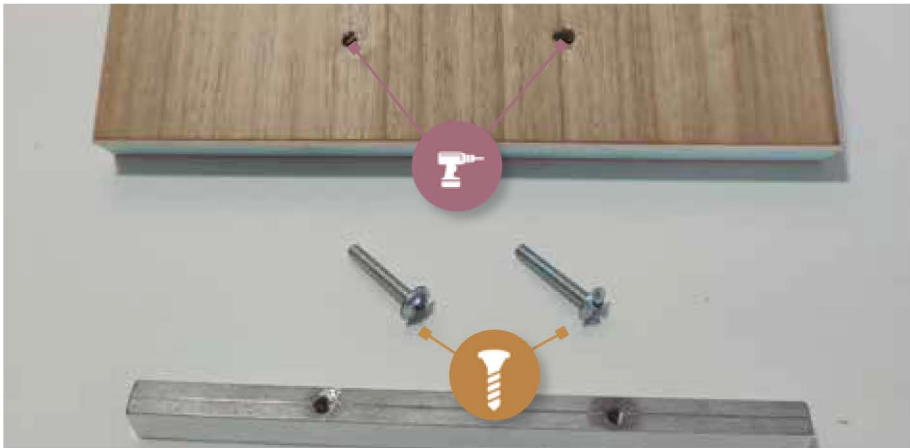
Knob/handle (wood screw) for handle use.

ADVANTAGES:

- ✓ Easily machinable

SUPPLIER:

Regular supplier



Tools



saw



drill

Accessories



wood screw



flat connection



flat connection

Knob/Handle (wood screw)

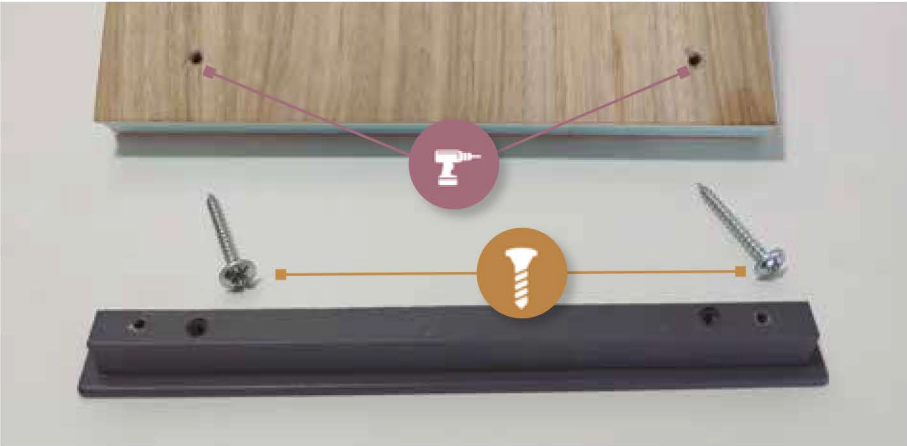
Knob/handle (wood screw) for handle use.

ADVANTAGES:

- ✓ Easily machinable

SUPPLIER:

Regular supplier



Tools



saw



drill

Accessories



wood screw

Connection on the same plane

Lengthening Ultralight panels.

* The cutting gear must be central on the edge and 1mm thicker than the XPS.

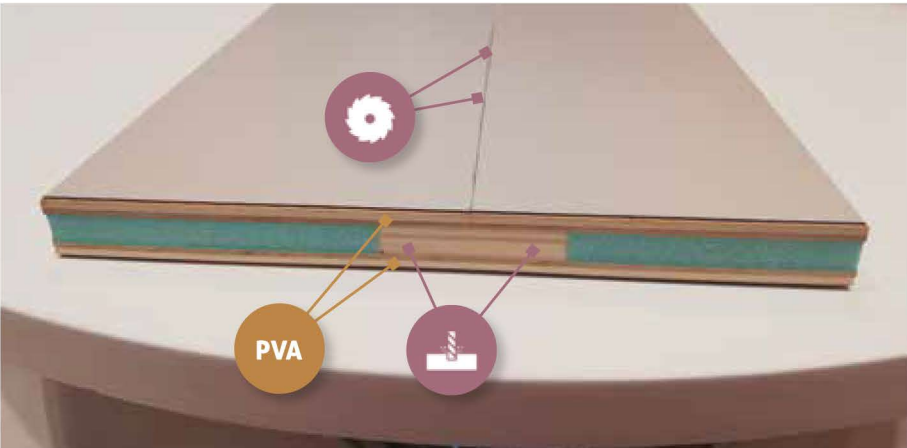
** The connecting piece must be twice as thick as the insulation.

ADVANTAGES:

- ✓ Lengthens the Ultralight panel surface

SUPPLIER:

Regular supplier



Tools



saw

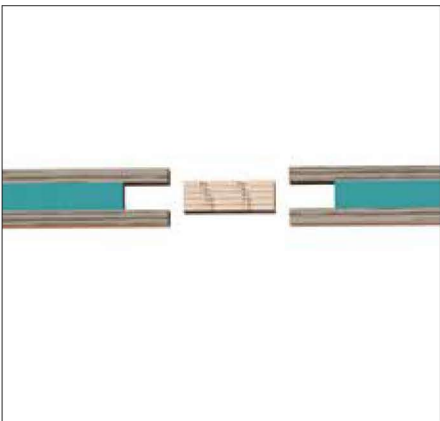


cutter

Accessories



PVA adhesive





90° connection



90° connection

Ovvo connector

Ovvo connector used in furniture.

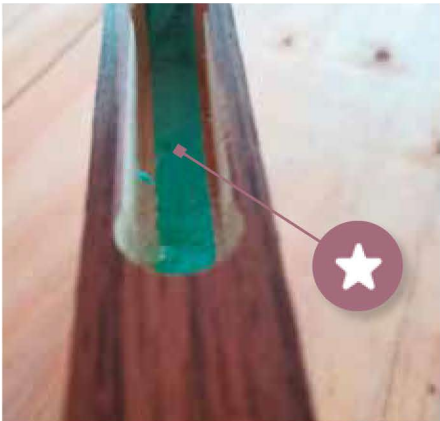
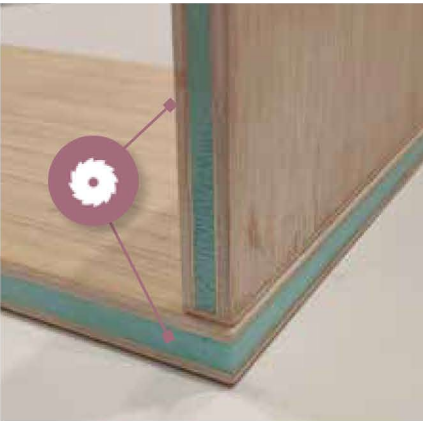
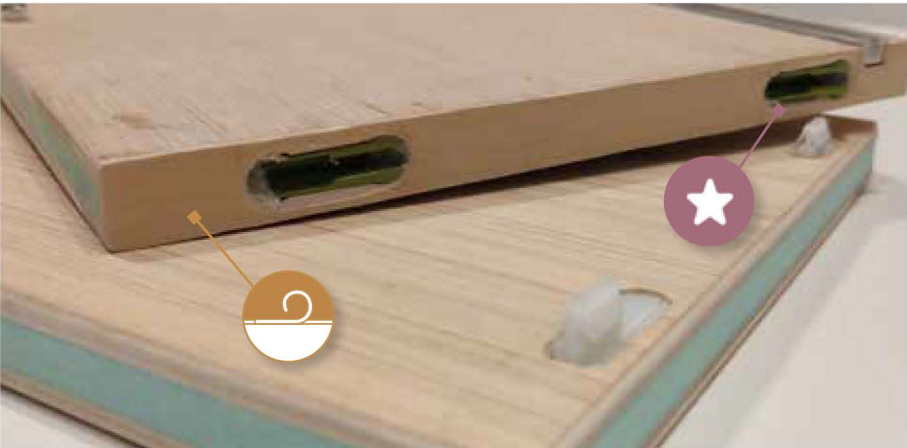
* Requires edging of at least 0.2 mm on the edge.
** The website of the supplier contains the technical information necessary.

ADVANTAGES:

- ✓ Connection versatility
- ✓ Connector option for joining parallel planes, at an angle or perpendicular
- ✓ Fixed or reversible connection option

SUPPLIER:

www.ovvotech.com



Tools



saw



special

Accessories



edge

Shelf bracket

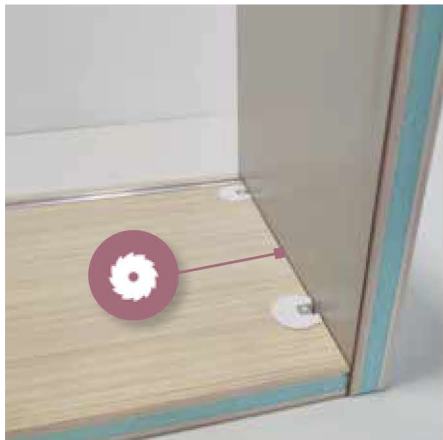
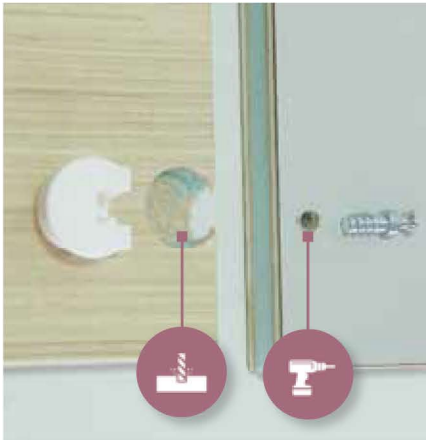
Shelf bracket connection used for supporting shelves, removable assemblies.

ADVANTAGES:

- ✓ Component allows reversible shelf support
- ✓ High screw pull-out resistance
- ✓ Option to create removable assemblies
- ✓ Concealed hinge

SUPPLIER:

www.emuca.es | www.hettich.com | www.wuerth.com



Tools



saw



cutter



drill



90° connection



90° connection

Wood screw connection with washer

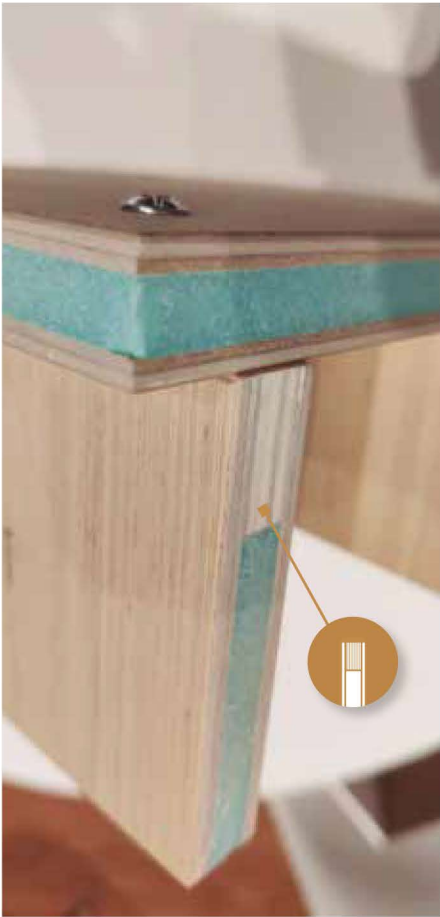
Wood screw connection with washer used for 90° connections in furniture

ADVANTAGES:

- ✓ Strong mount with pressure base
- ✓ High screw pull-out resistance
- ✓ Standard components only

SUPPLIER:

Regular supplier



Tools



saw

Accessories



wood screw



filled

Countersunk wood screw connection

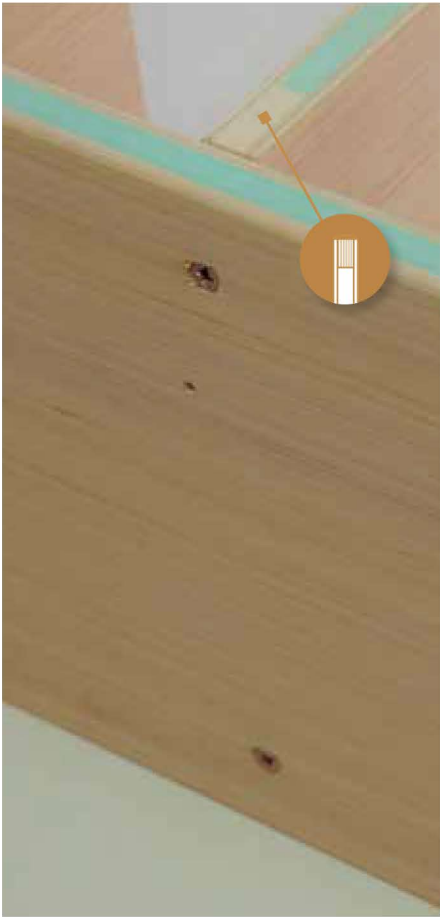
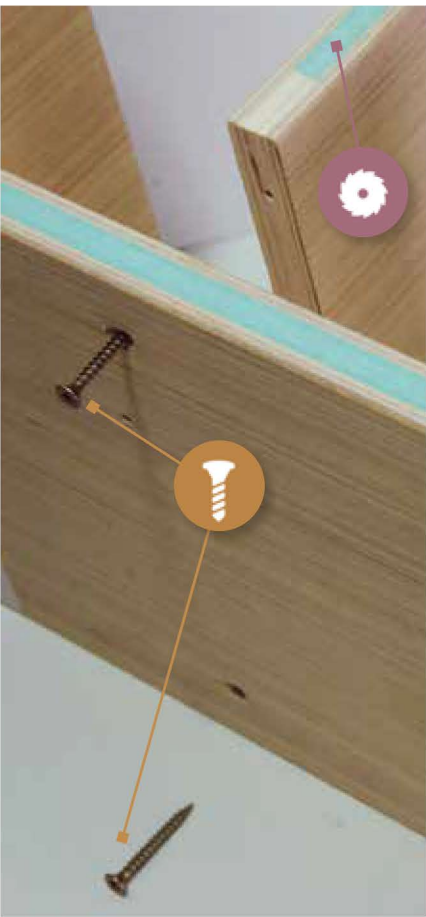
Countersunk wood screw connection used for 90° connections in furniture.

ADVANTAGES:

- ✓ Strong mount with flush head
- ✓ High screw pull-out resistance
- ✓ Standard components only

SUPPLIER:

Regular supplier



Tools



saw

Accessories



wood screw



filled

Creating Panel Connections



90° connection



90° connection

Inclined wood screw connection

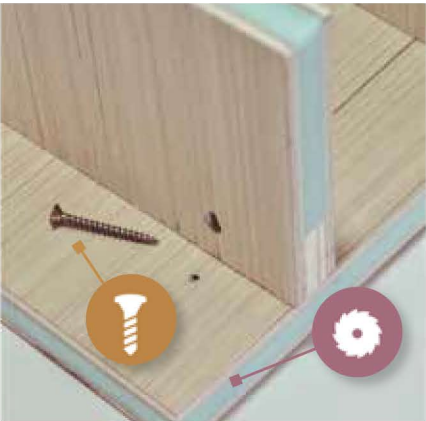
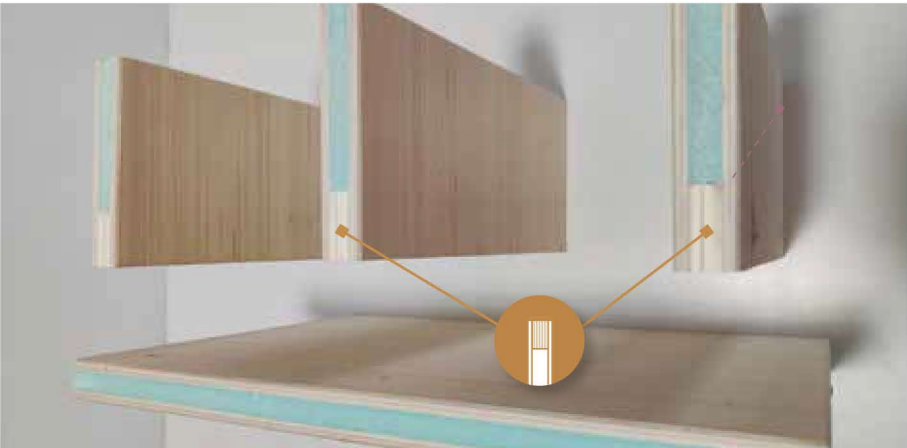
Inclined wood screw connection used for 90° connections in furniture.

ADVANTAGES:

- ✓ Strong mount with flush head.
- ✓ High screw pull-out resistance

SUPPLIER:

Regular supplier



Tools



saw

Accessories



wood screw



filled

90° connection with dowel pin

90° connection with dowel pin used in furniture.

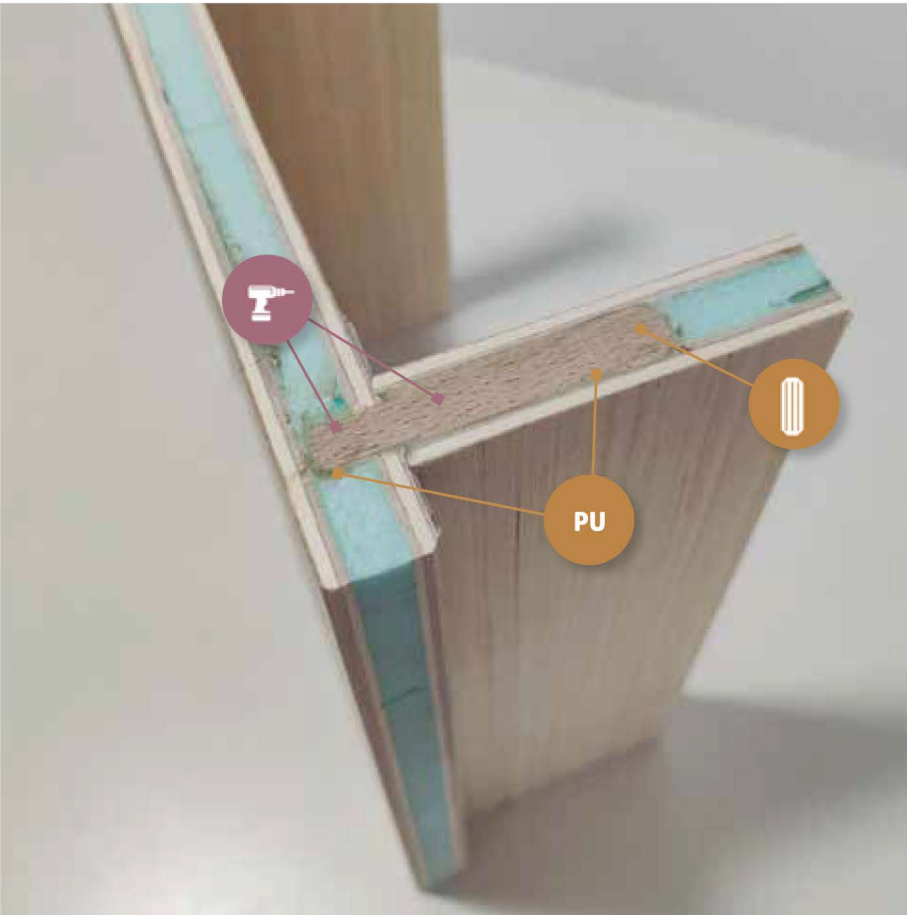
* The dowel pin must have a diameter of 1 mm or be larger than the XPS and the drilling must be central on the edge.

ADVANTAGES:

- ✓ Concealed anchoring
- ✓ Standard components only

SUPPLIER:

Regular supplier



Tools



saw



drill

Accessories



dowel pin



PU adhesive



90° connection



90° connection

Long eccentric

Long 90° eccentric connection for drawers, removable assemblies.

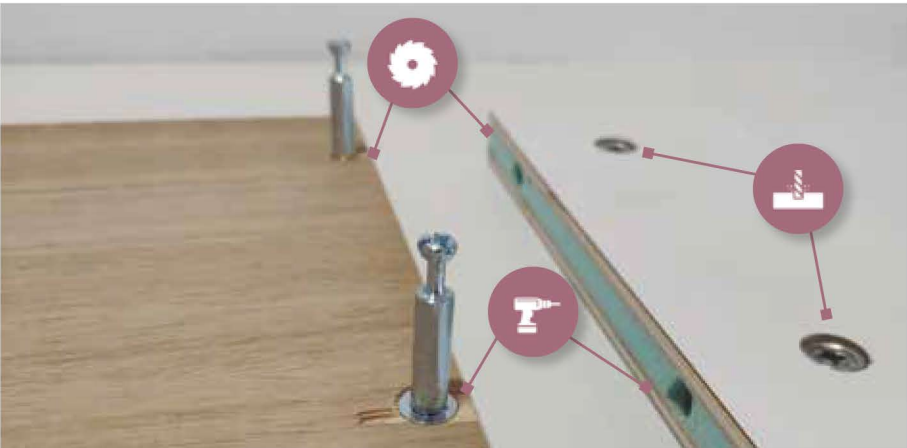
* No edging required for use.
** For a better connection, filled edge recommended on eccentric side.

ADVANTAGES:

- ✓ Reversible connection
- ✓ High screw pull-out resistance

SUPPLIER:

www.emuca.es | www.hettich.com | www.wuerth.com



Tools



saw



cutter



drill

Short eccentric

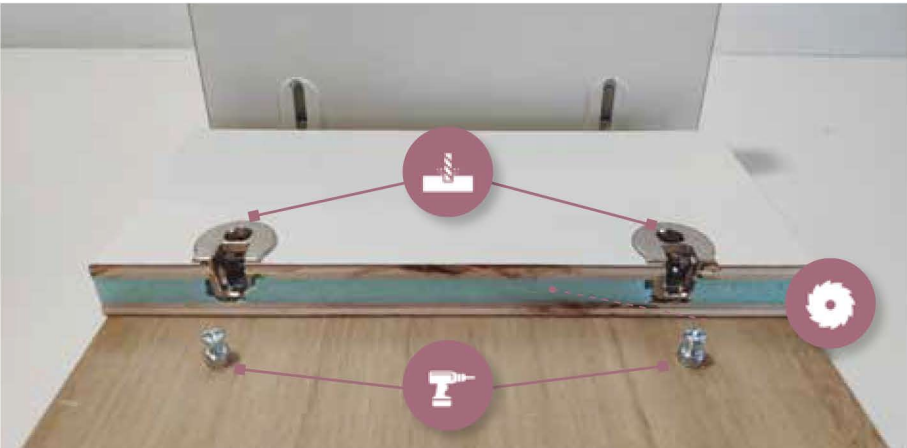
Short 90° eccentric connection for drawers, removable assemblies.

ADVANTAGES:

- ✓ Reversible connection
- ✓ High screw pull-out resistance

SUPPLIER:

www.emuca.es | www.hettich.com | www.wuerth.com



Tools



saw



cutter



drill



90° connection



insert

Lamello Cabineo

Lamello Cabineo 90° connection for drawers, removable assemblies.

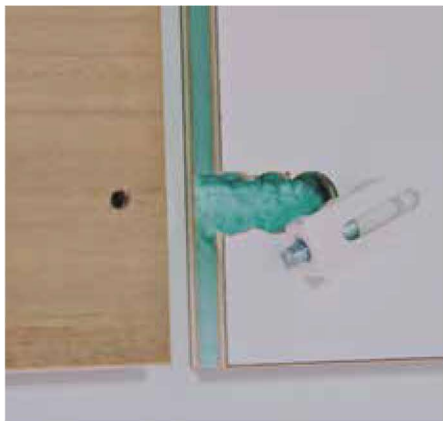
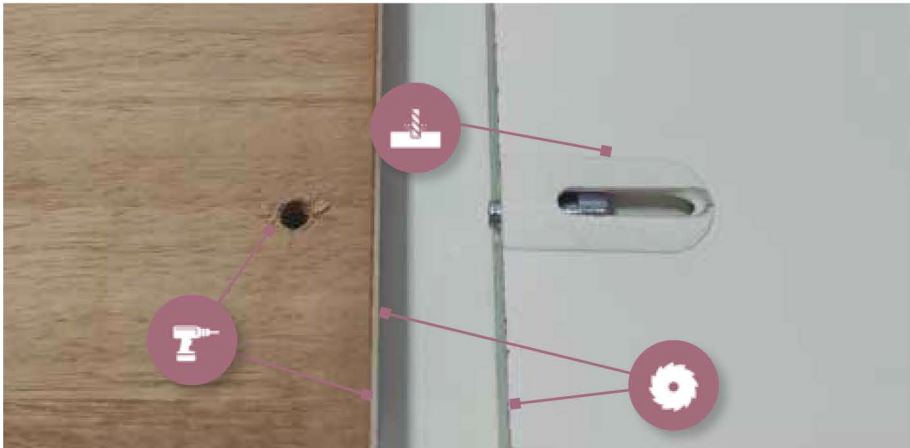
** The website of the supplier contains the technical information necessary.*

ADVANTAGES:

- ✓ Reversible connection
- ✓ High screw pull-out resistance

SUPPLIER:

www.lamello.com



Tools



saw



cutter



drill

Insert for metric screw (visible)

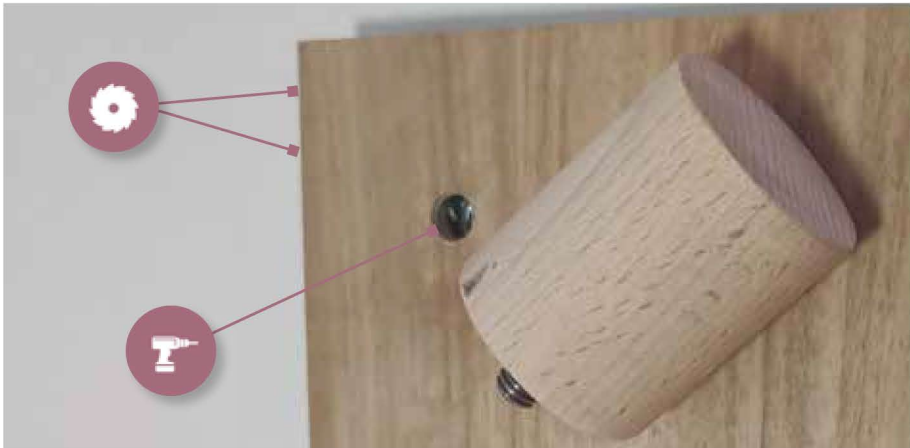
Insert for metric screw (visible) for furniture feet, connections on the same plane with metric screws.

ADVANTAGES:

- ✓ Insert for connection with metric screws and bolts to affix all sorts of components, furniture feet, other panels on the same plane, extra thicknesses

SUPPLIER:

Regular supplier



Tools



saw



drill



insert



insert

Insert for metric screw (concealed)

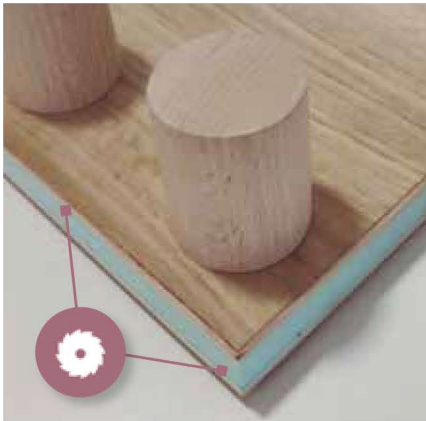
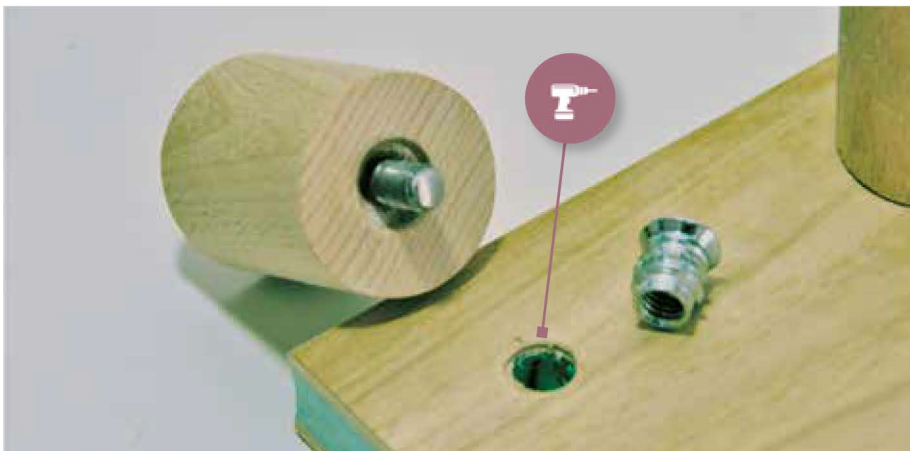
Insert for metric screw (concealed) for furniture feet, connections on the same plane with metric screws.

ADVANTAGES:

- ✓ Insert for connection with metric screws and bolts to affix all sorts of components, furniture feet, other panels on the same plane, extra thicknesses

SUPPLIER:

Regular supplier



Tools



saw



drill

Blind rivet

Blind rivet for furniture feet, connections on the same plane with metric screws.

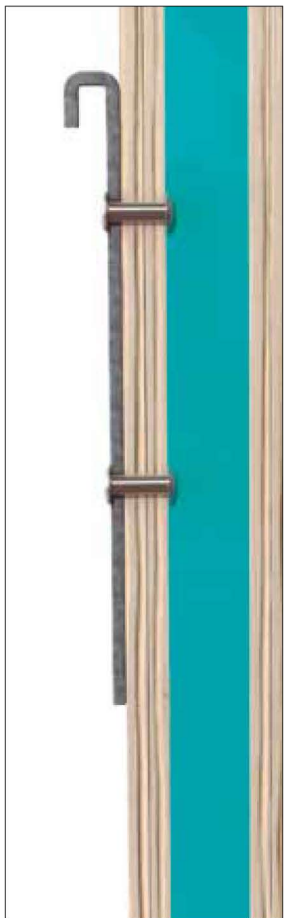
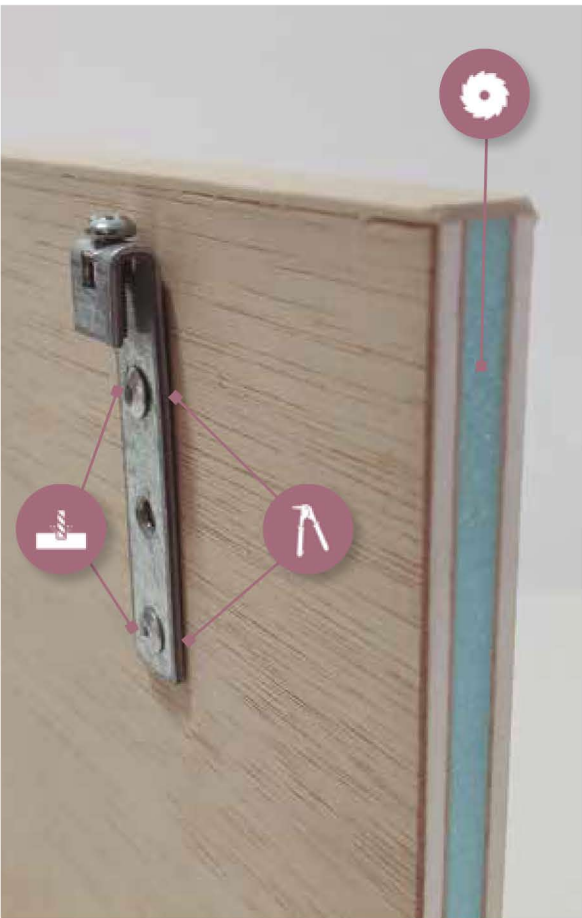
** The drill diameter must be that which is defined by the rivet manufacturers.*

ADVANTAGES:

- ✓ Permanent connection

SUPPLIER:

Regular supplier



Tools



saw



cutter



rivet gun



insert



insert

Würth Coldmelt Technology

Würth Coldmelt Technology for mounting screws and fittings on lightweight panels.

* The website of the supplier indicates the technology necessary for this system.

ADVANTAGES:

- ✓ Technology for adhesive-free insertion of adjustable plastic anchors in lightweight panels
- ✓ For mounting screws and fittings

SUPPLIER:

www.wuerth.com



Tools



special

Sliding door system

Sliding cupboard door system

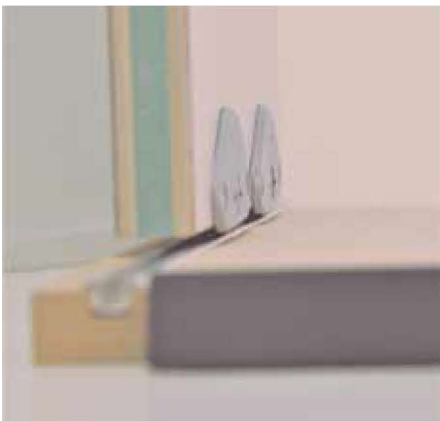
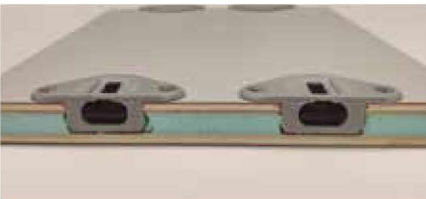
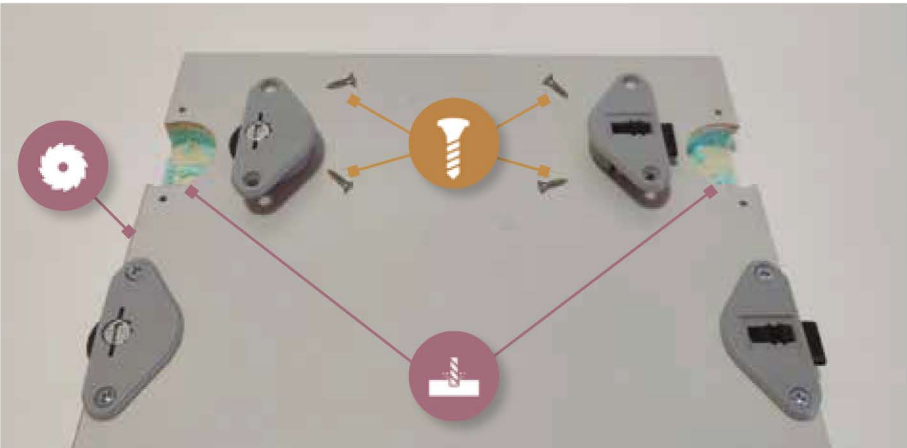
* The wood screw used must apply grip force between 2 and 8 mm of the shank.

ADVANTAGES:

- ✓ Easier to move due to lightweight Ultralight panel
- ✓ Less wear on the fitting due to lightweight Ultralight panel
- ✓ High screw pull-out resistance

SUPPLIER:

www.gedotec-beschläge.de | www.ducasseindustrial.com



Tools



saw



cutter

Accessories



wood screw



filled edge



filled edge

Filled

Reinforced edges.

* The cutting gear must be central on the edge and 1 mm thicker than the XPS.

ADVANTAGES:

- ✓ Gives plywood characteristics to the edge
- ✓ Can be machined like a solid plywood panel
- ✓ High screw pull-out resistance

SUPPLIER:

Regular supplier

Edges

Edge protection.

* The right adhesive for the type of edging must be used.

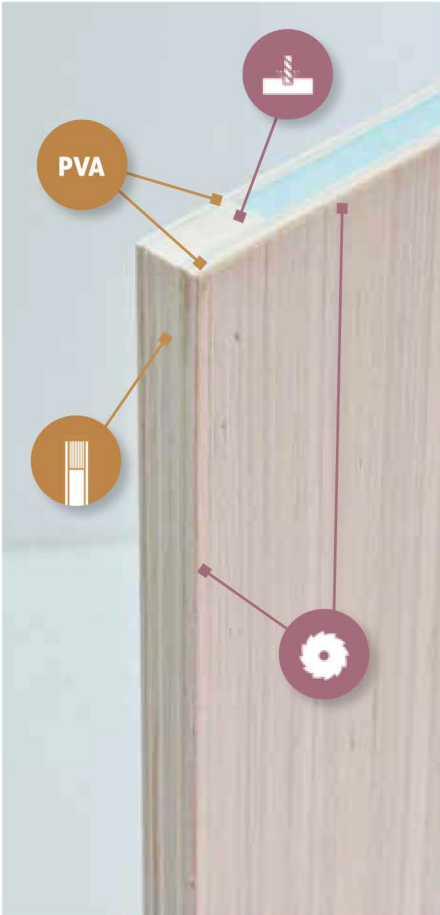
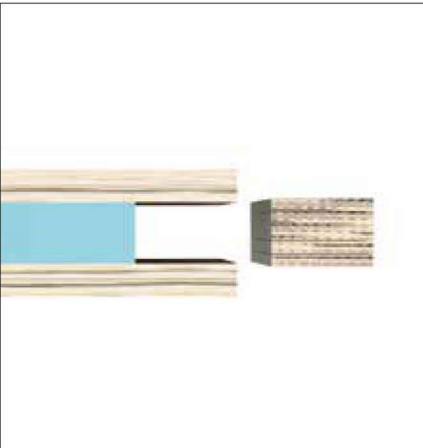
** Due to the lower density of Ultralight when compared with conventional plywood panels, it may be necessary to reduce the roller pressure during the edging process.

ADVANTAGES:

- ✓ Ultralight panels can be edged with all types of edges, PVC, ABS, veneer and melamine

SUPPLIER:

Regular supplier



Tools



saw



cutter

Accessories



filled



PVA adhesive



Tools



saw

Accessories



edge



PVA adhesive



PU adhesive



ultralight